

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
 Data File : BM022223.D
 Acq On : 21 Aug 2019 11:25
 Operator : HP/JU
 Sample : K4264-21MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Manual Integrations
 APPROVED

Jagrut
 8/22/2019 2:00:03 PM

Quant Time: Aug 22 00:25:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 20 02:18:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	37156	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	140839	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	81658	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	149826	20.00	ng	0.00
76) Chrysene-d12	21.19	240	131660	20.00	ng	0.00
87) Perylene-d12	23.39	264	146353	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	226958	108.85	ng	0.00
7) Phenol-d6	6.76	99	301117	108.44	ng	0.00
23) Nitrobenzene-d5	8.74	82	215903	74.56	ng	0.00
42) 2,4,6-Tribromophenol	15.73	330	131605	99.57	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	436987	66.84	ng	-0.01
79) Terphenyl-d14	19.63	244	516338	57.14	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.18	88	33530	38.380	ng	# 84
3) Pyridine	3.56	79	82080	37.086	ng	# 89
4) n-Nitrosodimethylamine	3.49	42	61526	46.401	ng	# 60
6) Aniline	6.92	93	93933	25.267	ng	96
8) 2-Chlorophenol	7.14	128	112149	45.174	ng	94
9) Benzaldehyde	6.74	77	50183	28.520	ng	92
10) Phenol	6.79	94	135438	46.073	ng	76
11) bis(2-Chloroethyl)ether	7.02	93	94768	40.753	ng	96
12) 1,3-Dichlorobenzene	7.45	146	121666	40.208	ng	# 92
13) 1,4-Dichlorobenzene	7.60	146	123618	40.240	ng	99
14) 1,2-Dichlorobenzene	7.91	146	119754	40.026	ng	96
15) Benzyl Alcohol	7.83	79	99993m	40.966	ng	
16) 2,2'-oxybis(1-Chloropropan	8.09	45	124255	38.566	ng	99
17) 2-Methylphenol	8.02	107	89209	42.548	ng	# 90
18) Hexachloroethane	8.62	117	54401	40.789	ng	92
19) n-Nitroso-di-n-propylamine	8.38	70	86297	39.456	ng	# 83
20) 3+4-Methylphenols	8.35	107	119966	42.366	ng	93
22) Acetophenone	8.40	105	165140	45.707	ng	# 87
24) Nitrobenzene	8.78	77	137786	46.475	ng	94
25) Isophorone	9.30	82	225466	43.874	ng	# 97
26) 2-Nitrophenol	9.48	139	59157	47.106	ng	# 69
27) 2,4-Dimethylphenol	9.54	122	98758	52.172	ng	91
28) bis(2-Chloroethoxy)methane	9.78	93	133082	43.774	ng	99
29) 2,4-Dichlorophenol	10.00	162	109586	47.975	ng	99
30) 1,2,4-Trichlorobenzene	10.20	180	127319	45.250	ng	98
31) Naphthalene	10.39	128	333345	45.571	ng	99
32) Benzoic acid	9.73	122	65486m	40.526	ng	
33) 4-Chloroaniline	10.54	127	25142	8.213	ng	97
34) Hexachlorobutadiene	10.65	225	108264	44.844	ng	97
35) Caprolactam	11.36	113	23892m	38.911	ng	
36) 4-Chloro-3-methylphenol	11.66	107	106303	44.028	ng	97
37) 2-Methylnaphthalene	12.02	142	239577	44.809	ng	# 93
38) 1-Methylnaphthalene	12.23	142	224428	43.946	ng	# 99
40) 1,2,4,5-Tetrachlorobenzene	12.39	216	165496	51.776	ng	99

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.34	237	176201	92.250	nq	98
43) 2,4,6-Trichlorophenol	12.65	196	92309	48.176	nq	98
44) 2,4,5-Trichlorophenol	12.72	196	96253	49.489	nq	# 96
46) 1,1'-Biphenyl	13.05	154	311308	48.476	nq	99
47) 2-Chloronaphthalene	13.09	162	243456	46.064	nq	96
48) 2-Nitroaniline	13.33	65	70667	42.301	nq	83
49) Acenaphthylene	13.95	152	378769	46.723	nq	99
50) Dimethylphthalate	13.70	163	349701	50.937	nq	100
51) 2,6-Dinitrotoluene	13.83	165	61844	45.615	nq	# 58
52) Acenaphthene	14.29	154	221722	46.900	nq	98
53) 3-Nitroaniline	14.17	138	23382	17.318	nq	98
54) 2,4-Dinitrophenol	14.40	184	53661	70.151	nq	# 63
55) Dibenzofuran	14.63	168	368380	46.893	nq	91
56) 4-Nitrophenol	14.49	139	86963	96.639	nq	# 53
57) 2,4-Dinitrotoluene	14.64	165	84497	43.412	nq	# 63
58) Fluorene	15.28	166	296203	44.726	nq	97
59) 2,3,4,6-Tetrachlorophenol	14.86	232	90003	46.415	nq	# 94
60) Diethylphthalate	15.07	149	305111	42.144	nq	97
61) 4-Chlorophenyl-phenylether	15.28	204	182395	43.700	nq	96
62) 4-Nitroaniline	15.35	138	44931	35.954	nq	# 51
63) Azobenzene	15.57	77	308447	44.214	nq	84
65) 4,6-Dinitro-2-methylphenol	15.40	198	39972	42.229	nq	88
66) n-Nitrosodiphenylamine	15.50	169	231744	48.239	nq	100
67) 4-Bromophenyl-phenylether	16.17	248	104554	47.092	nq	# 91
68) Hexachlorobenzene	16.28	284	112781	44.713	nq	# 84
69) Atrazine	16.47	200	84704	53.245	nq	98
70) Pentachlorophenol	16.64	266	117733	95.938	nq	99
71) Phenanthrene	17.03	178	525260	60.454	nq	99
72) Anthracene	17.12	178	434150	50.337	nq	99
73) Carbazole	17.40	167	321535	44.677	nq	97
74) Di-n-butylphthalate	17.96	149	457396	41.888	nq	# 98
75) Fluoranthene	19.06	202	626763	59.820	nq	98
77) Benzidine	19.26	184	169240	57.310	nq	99
78) Pyrene	19.42	202	590650	63.735	nq	99
80) Butylbenzylphthalate	20.33	149	180082	43.445	nq	# 83
81) Benzo(a)anthracene	21.18	228	481880	52.044	nq	99
82) 3,3'-Dichlorobenzidine	21.12	252	79070	24.492	nq	99
83) Chrysene	21.23	228	452352	50.609	nq	99
84) Bis(2-ethylhexyl)phthalate	21.10	149	266249	42.711	nq	94
85) Di-n-octyl phthalate	21.97	149	424940	42.116	nq	# 93
86) Indeno(1,2,3-cd)pyrene	25.59	276	590542	58.983	nq	# 96
88) Benzo(b)fluoranthene	22.73	252	488360	49.974	nq	98
89) Benzo(k)fluoranthene	22.77	252	431809	45.204	nq	99
90) Benzo(a)pyrene	23.30	252	455032	51.129	nq	98
91) Dibenzo(a,h)anthracene	25.59	278	482428	51.016	nq	# 97
92) Benzo(g,h,i)perylene	26.26	276	463545	56.069	nq	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

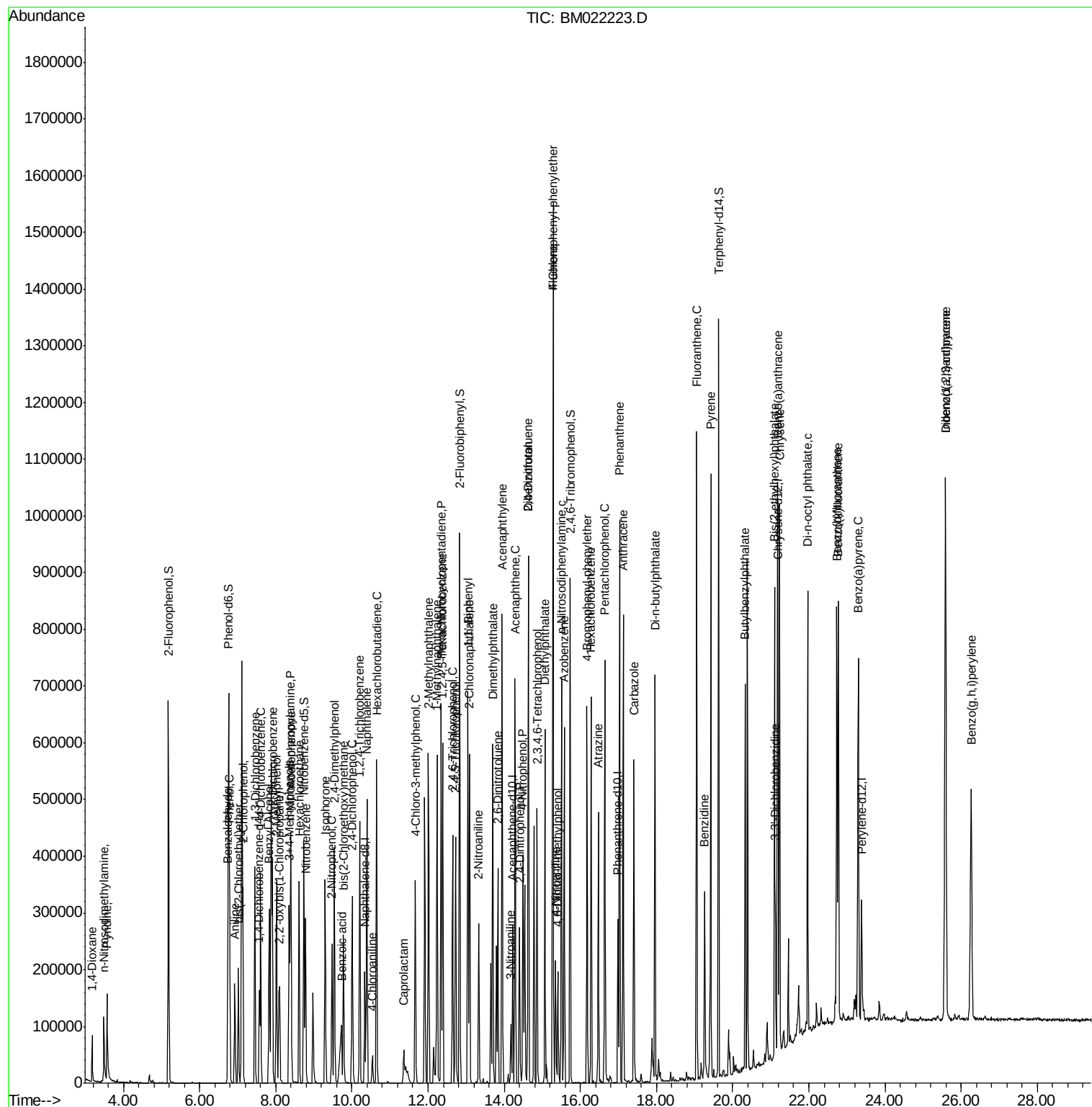
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
 Data File : BM02223.D
 Acq On : 21 Aug 2019 11:25
 Operator : HP/JU
 Sample : K4264-21MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

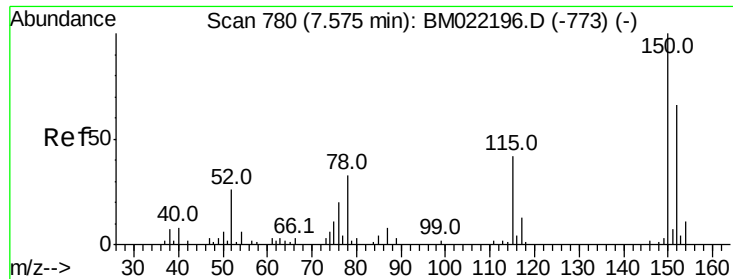
Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

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#1

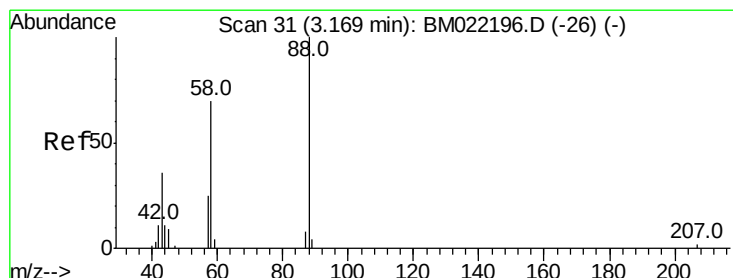
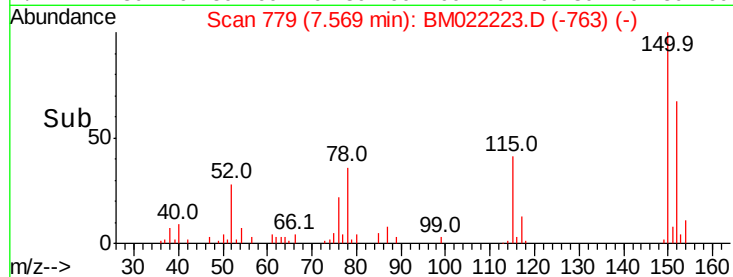
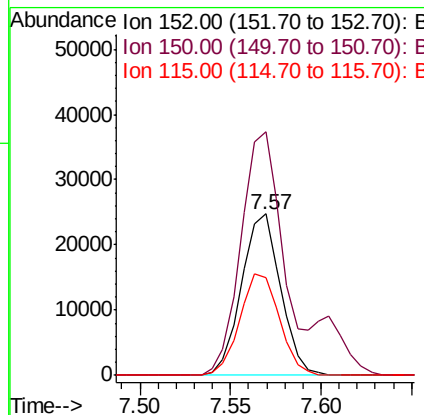
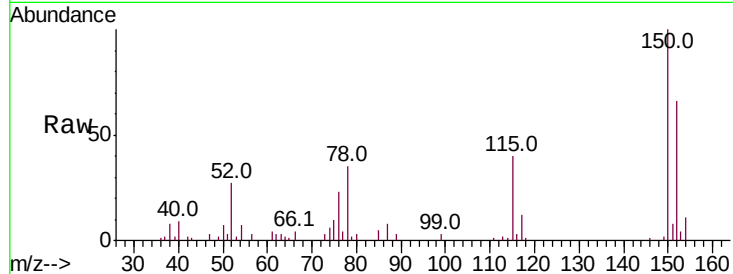
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 779
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	123.1	184.7
115	61.0	44.2	66.4

Manual Integrations
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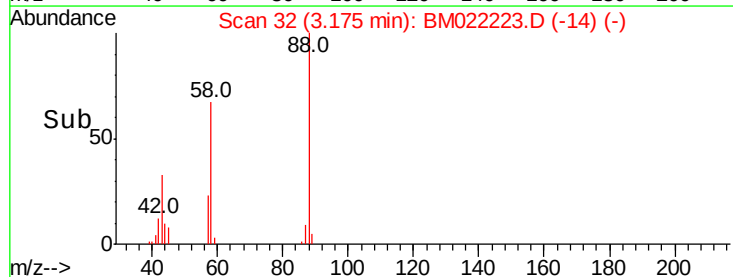
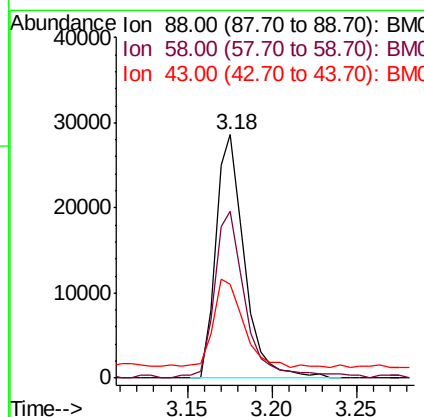
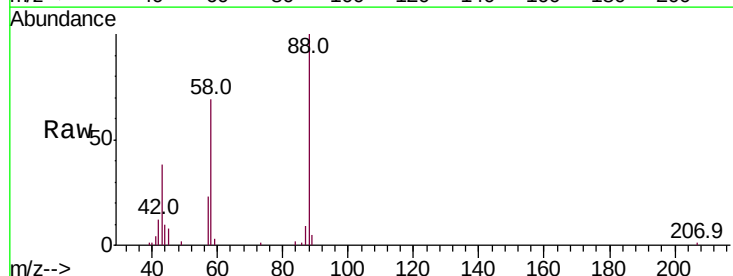
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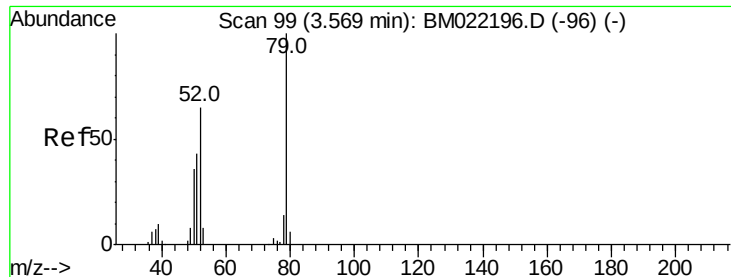


#2

1,4-Dioxane
Concen: 38.380 ng
RT: 3.18 min Scan# 32
Delta R.T. 0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	75.8	51.9	77.9
43	37.9	21.4	32.2





#3

Pvridine

Concen: 37.086 ng

RT: 3.56 min Scan# 98

Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Instrument :

BNA_M

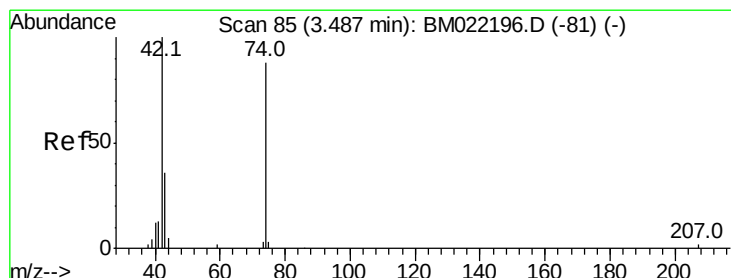
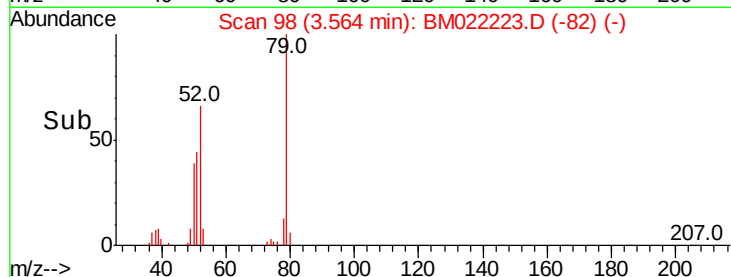
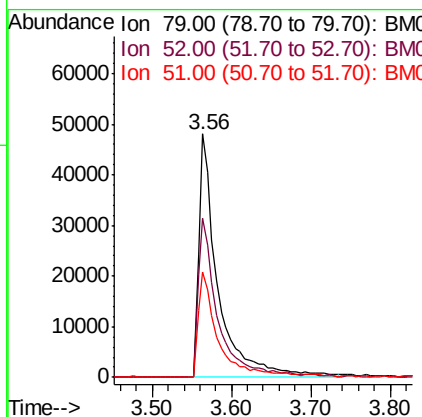
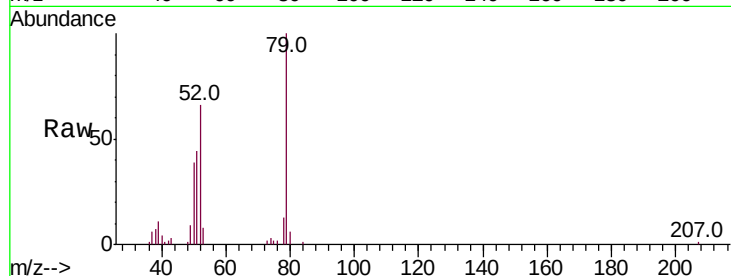
ClientSampleId :

REACTOR-3-C1-C4-(3)MSD

Tot Ion:	79	Resp:	82080
Ion Ratio	Lower	Upper	
79	100		
52	65.6	48.8	73.2
51	43.5	25.7	38.5#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 46.401 ng

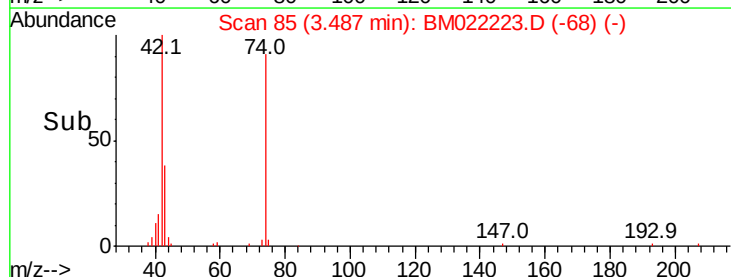
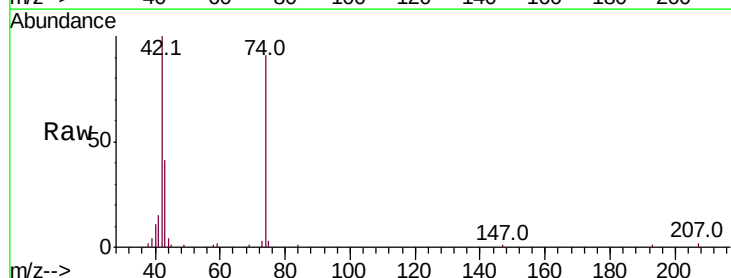
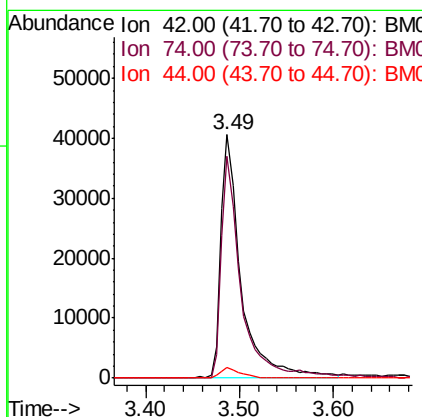
RT: 3.49 min Scan# 85

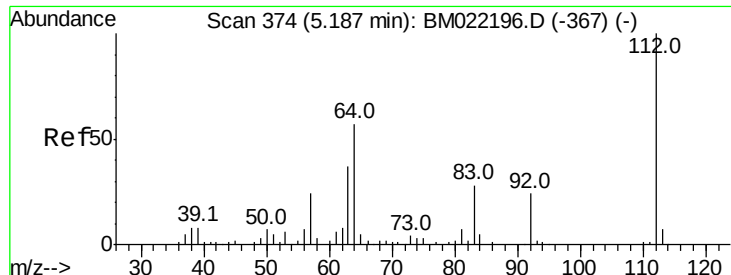
Delta R.T. 0.00 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Tgt Ion:	42	Resp:	61526
Ion Ratio	Lower	Upper	
42	100		
74	90.9	113.8	170.6#
44	4.5	8.2	12.2#





#5

2-Fluorophenol

Concen: 108.847 ng

RT: 5.18 min Scan# 373

Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Instrument :

BNA_M

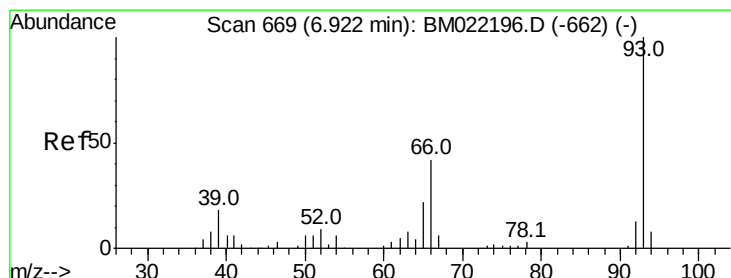
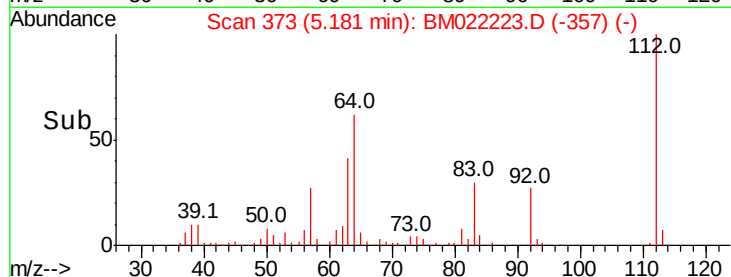
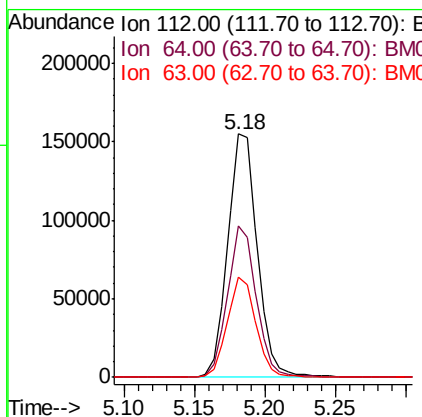
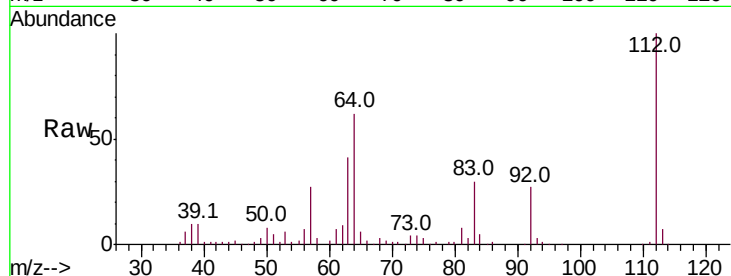
ClientSampleId :

REACTOR-3-C1-C4-(3)MSD

Tot Ion:	112	Resp:	226958
Ion Ratio	Lower	Upper	
112	100		
64	62.1	45.2	67.8
63	41.1	23.5	35.3

Manual Integrations
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#6

Aniline

Concen: 25.267 ng

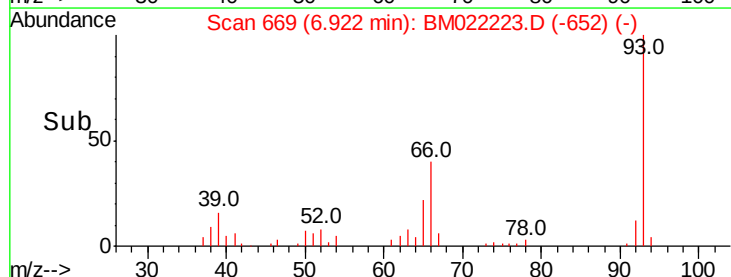
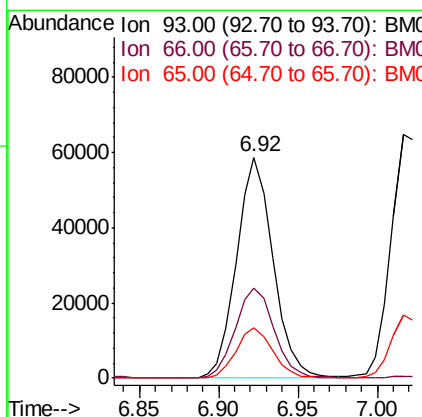
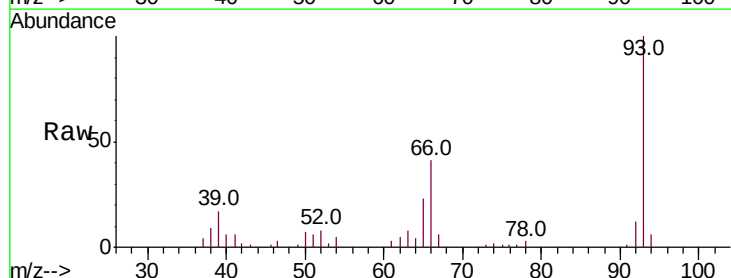
RT: 6.92 min Scan# 669

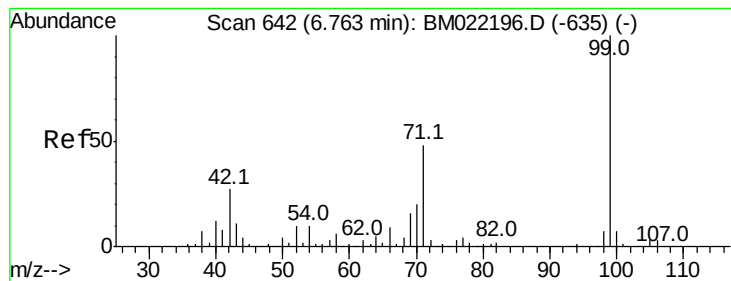
Delta R.T. 0.00 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Tgt Ion:	93	Resp:	93933
Ion Ratio	Lower	Upper	
93	100		
66	41.0	31.3	46.9
65	22.6	15.9	23.9





#7

Phenol-d6

Concen: 108.445 ng

RT: 6.76 min Scan# 642

Delta R.T. 0.00 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Instrument :

BNA_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MSD

Tot Ion: 99 Resp: 301117

Ion Ratio Lower Upper

99 100

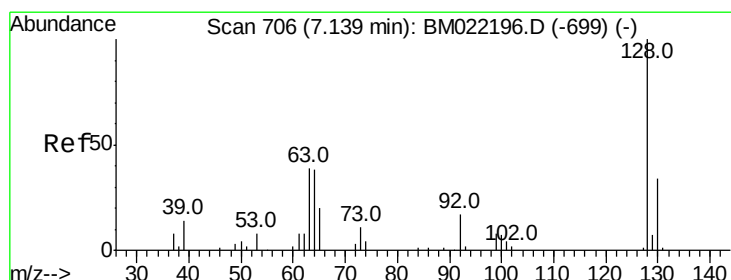
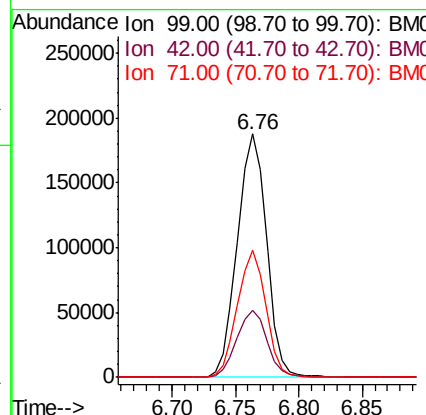
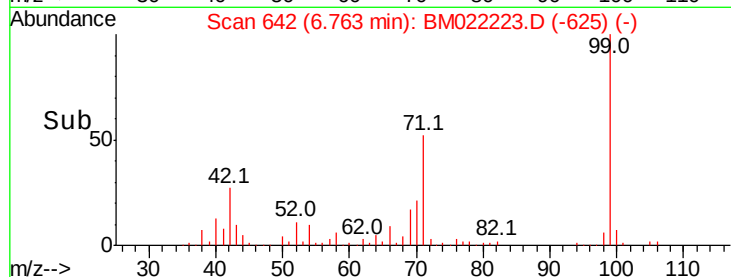
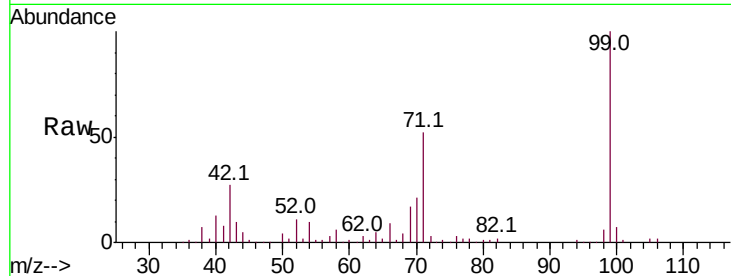
42 27.3 13.5 20.3#

71 52.0 29.3 43.9#

Manual Integrations
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#8

2-Chlorophenol

Concen: 45.174 ng

RT: 7.14 min Scan# 706

Delta R.T. 0.00 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

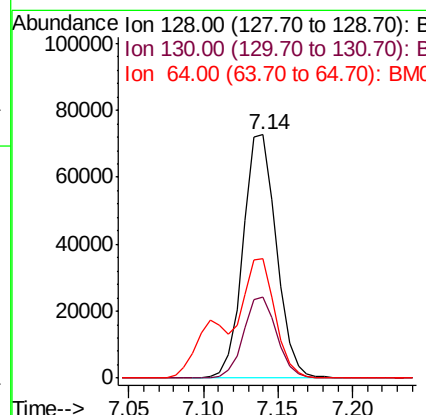
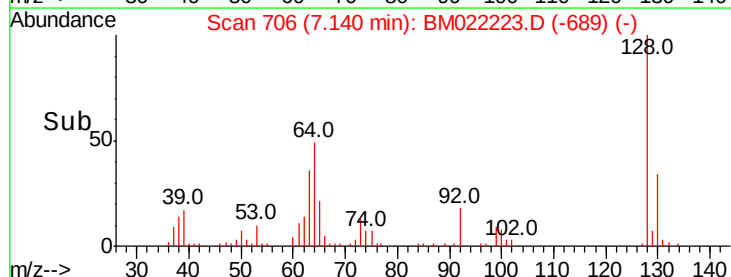
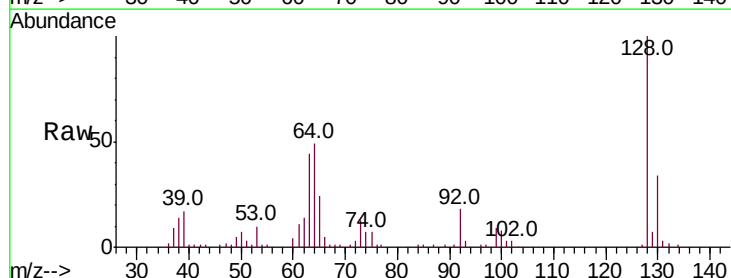
Tgt Ion: 128 Resp: 112149

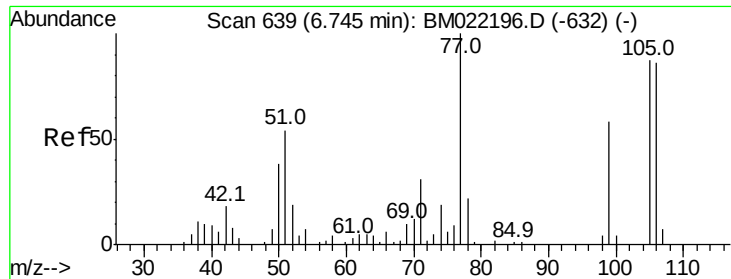
Ion Ratio Lower Upper

128 100

130 33.5 12.2 52.2

64 49.2 23.2 63.2





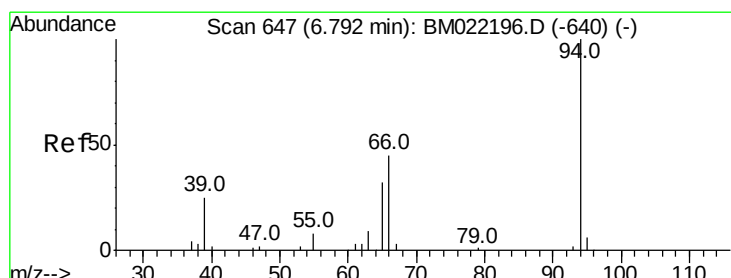
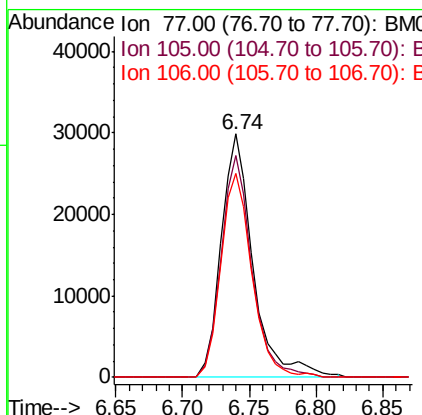
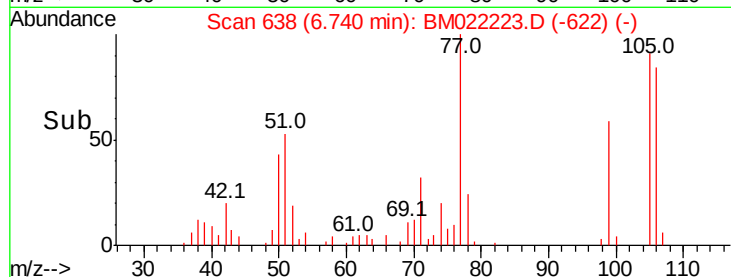
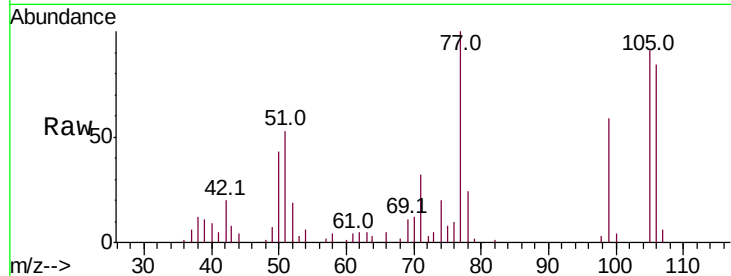
#9
Benzaldehyde
Concen: 28.520 ng
RT: 6.74 min Scan# 638
Delta R.T. -0.01 min
Lab File: BM022223.D
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Instrument :
BNA_M
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REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	90.9	77.8	117.8
106	84.0	71.8	111.8

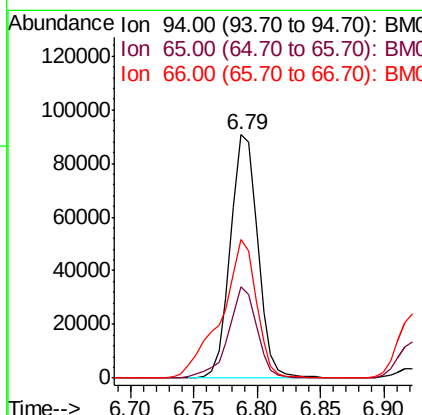
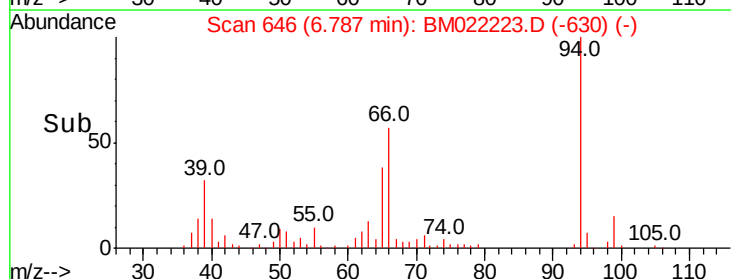
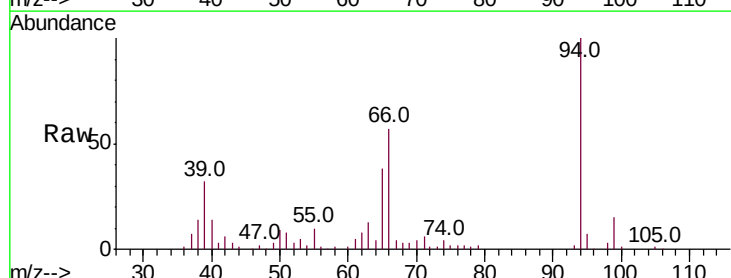
Manual Integrations
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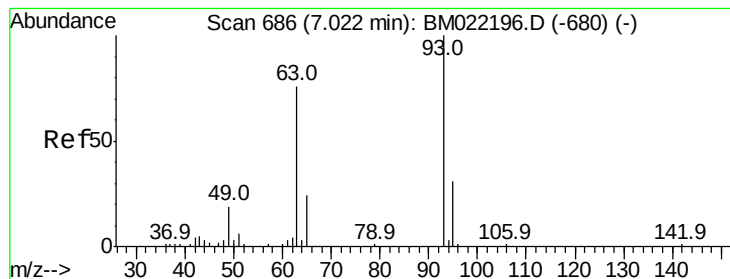
Jagrut
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#10
Phenol
Concen: 46.073 ng
RT: 6.79 min Scan# 646
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
94	100		
65	37.7	8.7	48.7
66	57.2	19.0	59.0





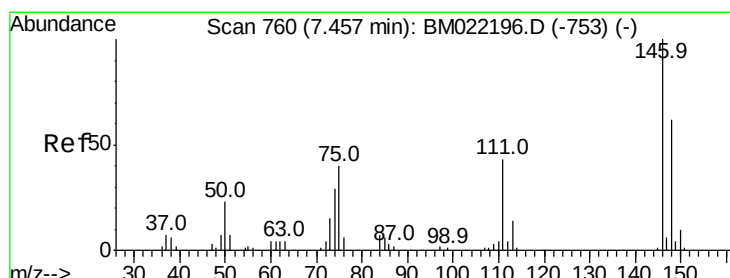
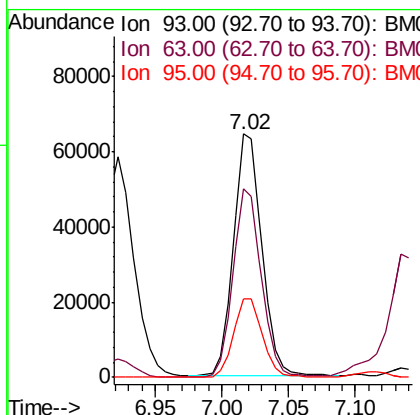
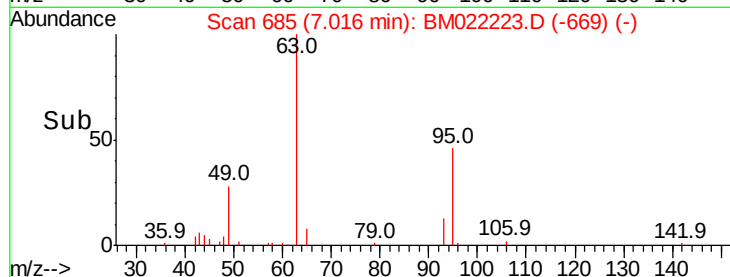
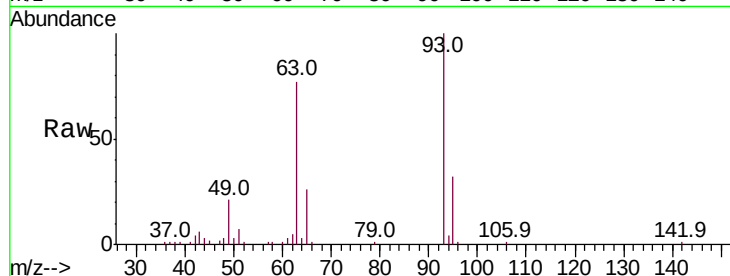
#11
 bis(2-Chloroethyl)ether
 Concen: 40.753 ng
 RT: 7.02 min Scan# 685
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion:	93	Resp:	94768
Ion	Ratio	Lower	Upper
93	100		
63	77.5	53.4	93.4
95	32.2	13.0	53.0

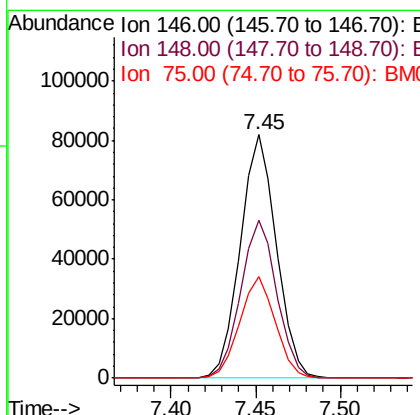
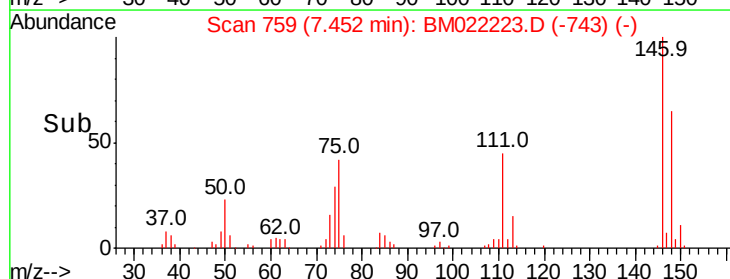
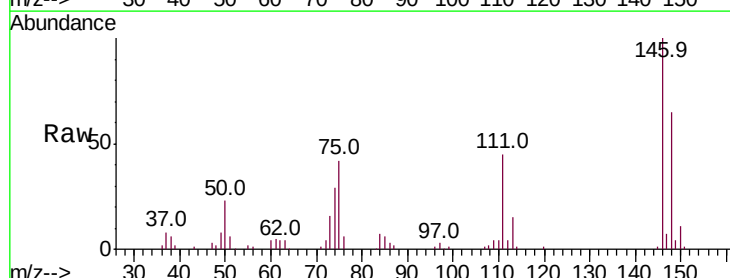
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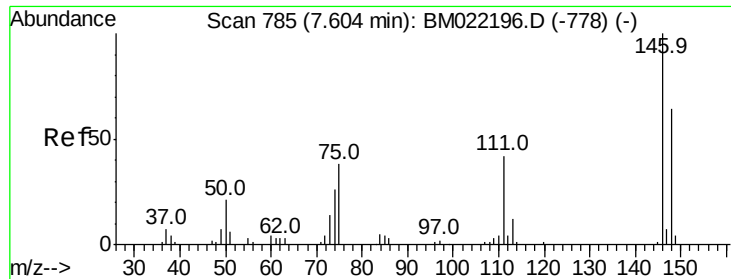
Jagrut
 8/22/2019 2:00:03 PM



#12
 1,3-Dichlorobenzene
 Concen: 40.208 ng
 RT: 7.45 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion:	146	Resp:	121666
Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.2	78.2
75	41.7	22.2	33.4#





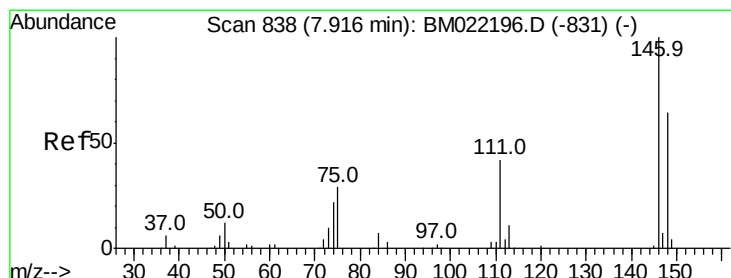
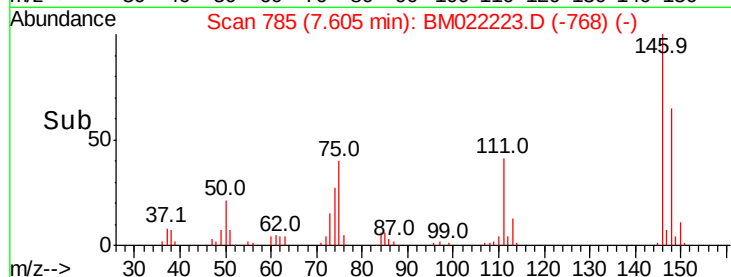
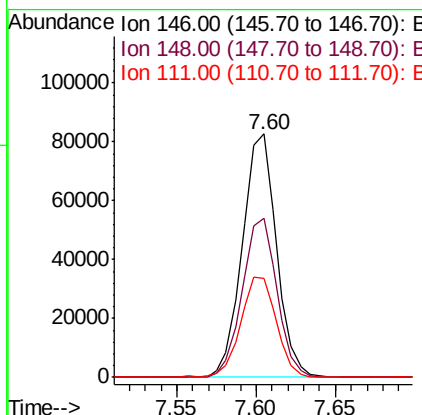
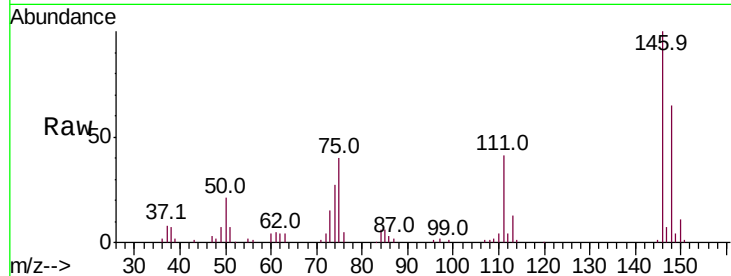
#13
 1,4-Dichlorobenzene
 Concen: 40.240 ng
 RT: 7.60 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.9	77.9
111	40.7	31.4	47.0

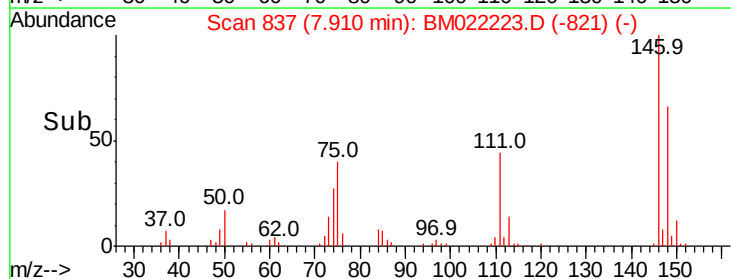
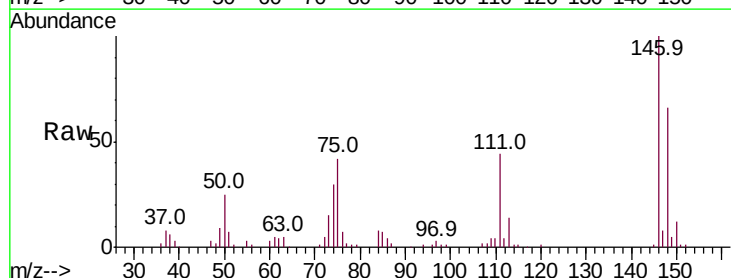
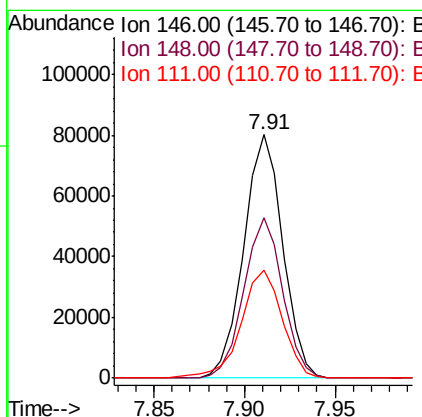
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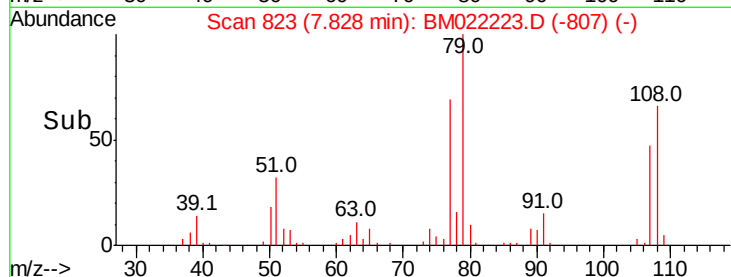
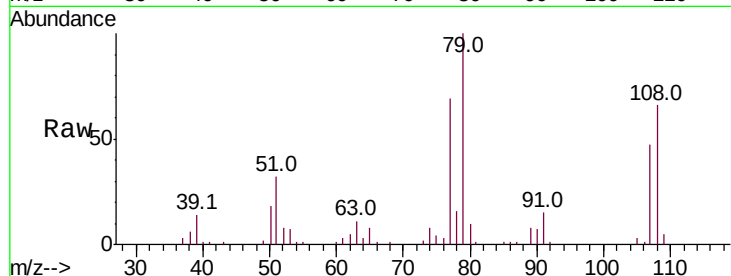
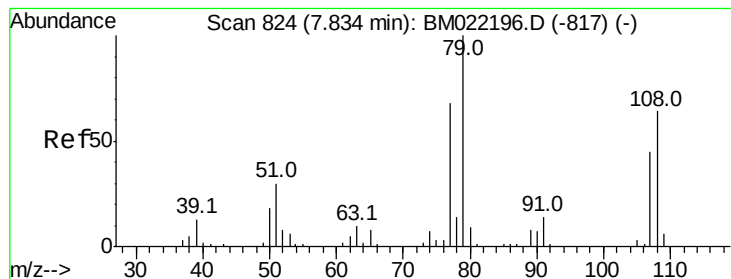
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#14
 1,2-Dichlorobenzene
 Concen: 40.026 ng
 RT: 7.91 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.0	51.2	76.8
111	44.1	32.8	49.2





#15

Benzyl Alcohol

Concen: 40.966 ng/mL

RT: 7.83 min Scan# 823

Delta R.T. -0.01 min

Lab File: BM022223.D

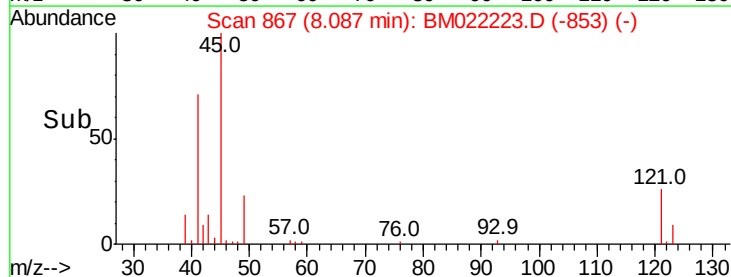
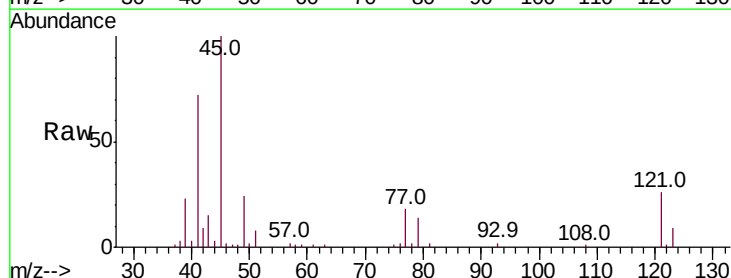
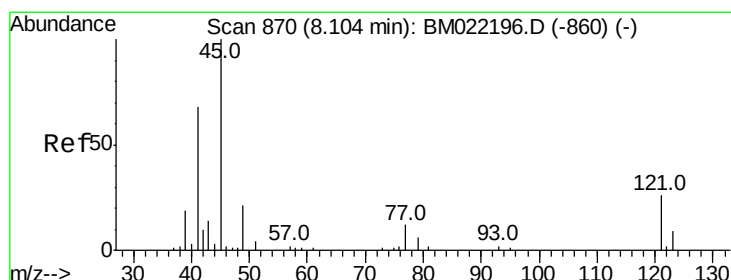
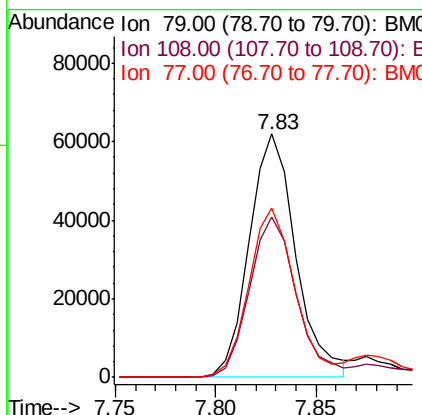
Acq: 21 Aug 2019 11:25

Tot Ion:	79	Resp:	99993
Ion Ratio	Lower	Upper	
79	100		
108	65.9	58.4	87.6
77	69.5	50.1	75.1

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.566 ng/mL

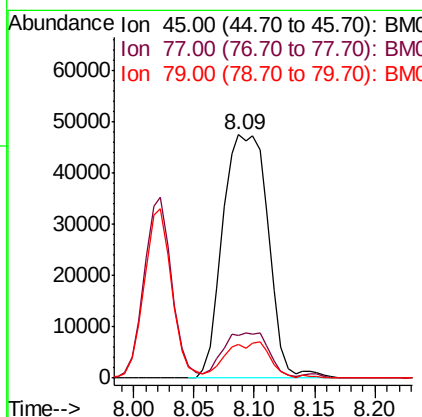
RT: 8.09 min Scan# 867

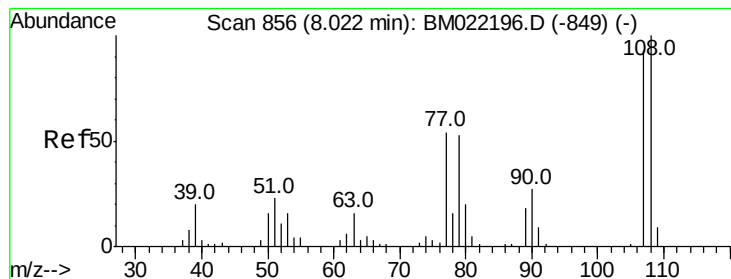
Delta R.T. -0.02 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Tgt Ion:	45	Resp:	124255
Ion Ratio	Lower	Upper	
45	100		
77	17.7	0.0	37.5
79	13.8	0.0	33.5





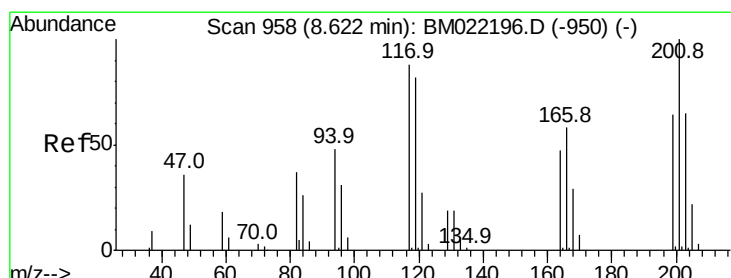
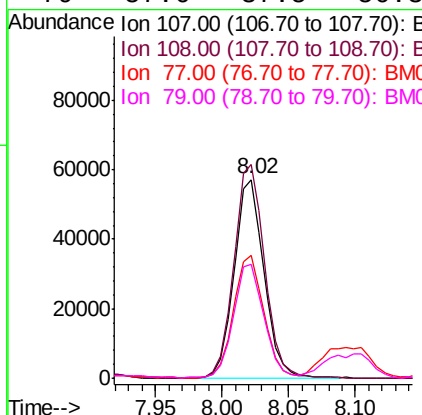
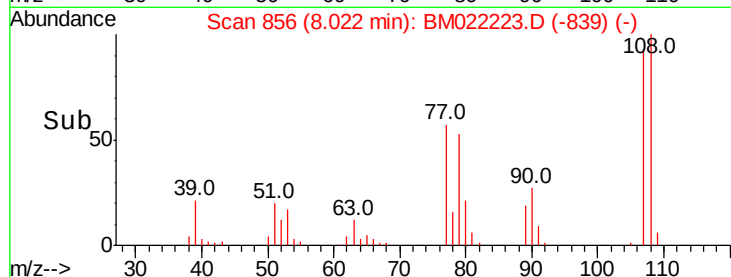
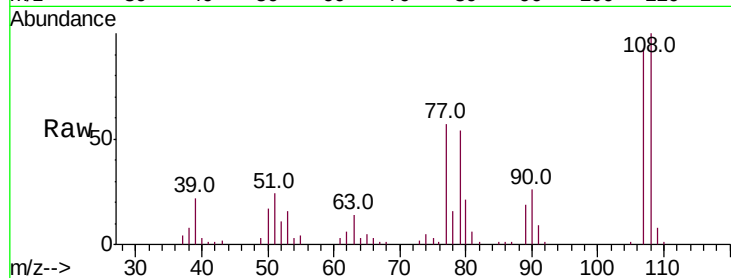
#17
2-Methylphenol
Concen: 42.548 ng
RT: 8.02 min Scan# 856
Delta R.T. 0.00 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	107.4	87.5	131.3
77	61.5	37.8	56.8
79	57.6	37.5	56.3

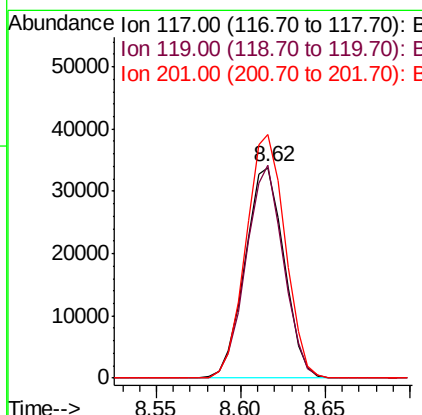
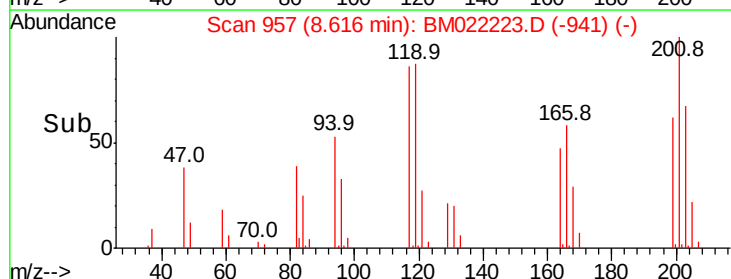
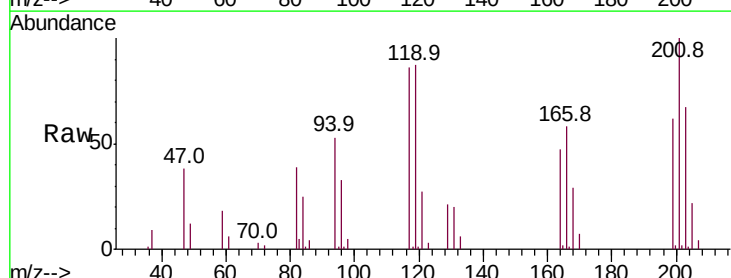
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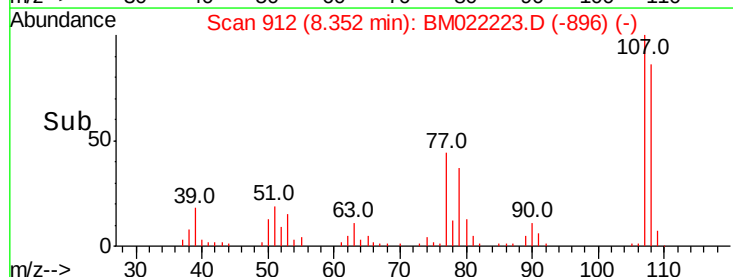
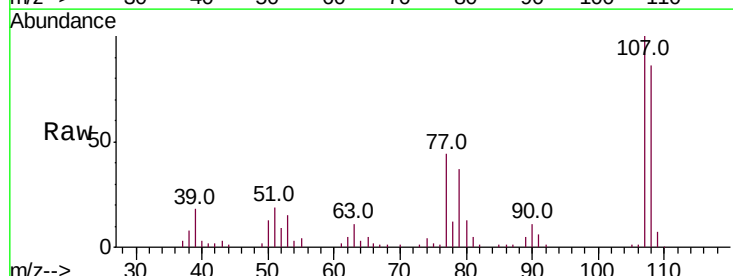
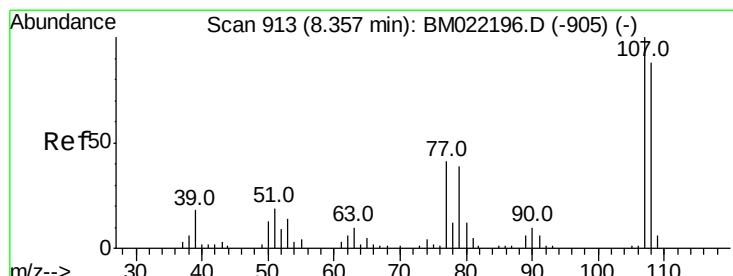
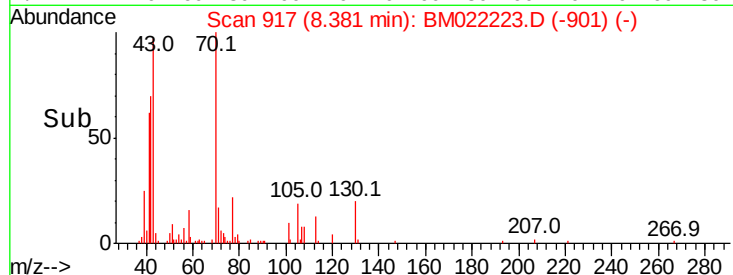
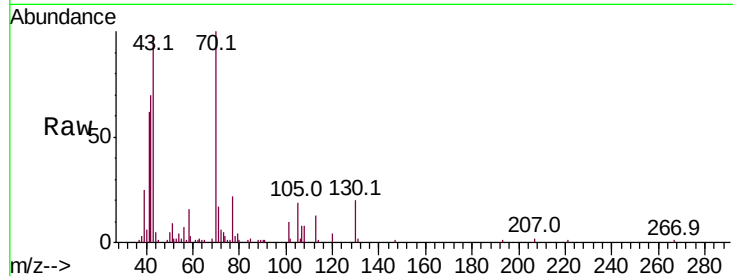
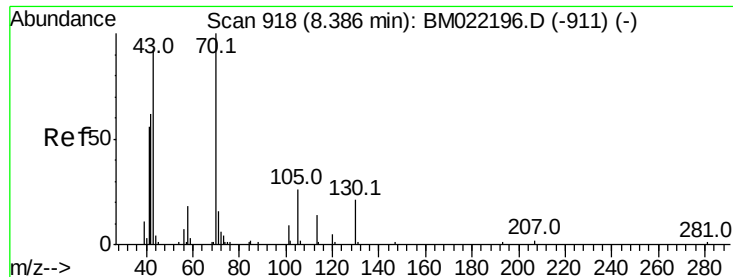
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#18
Hexachloroethane
Concen: 40.789 ng
RT: 8.62 min Scan# 957
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

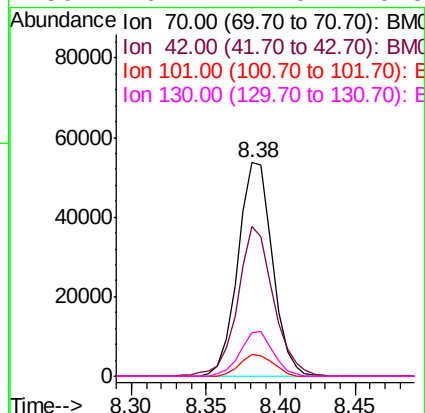
Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.1	77.5	116.3
201	115.7	102.3	153.5





#19
n-Nitroso-di-n-propylamine
Concen: 39.456 ng
RT: 8.38 min Scan# 917
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	70.4	41.9	62.9#	
101	10.3	8.1	12.1	
130	20.1	17.5	26.3	



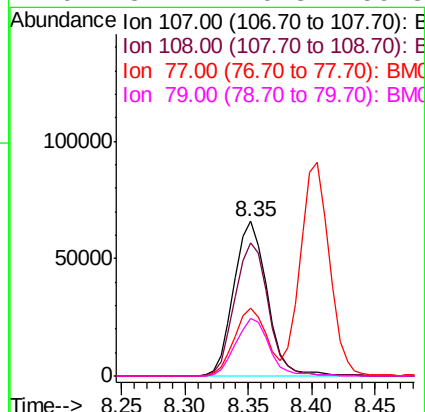
Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

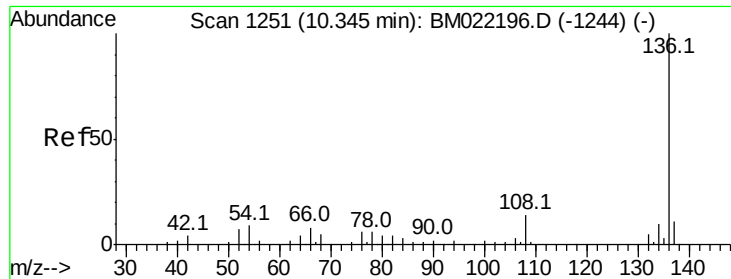
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#20
3+4-Methylphenols
Concen: 42.366 ng
RT: 8.35 min Scan# 912
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	86.1	67.9	107.9	
77	43.9	14.6	54.6	
79	37.4	10.8	50.8	





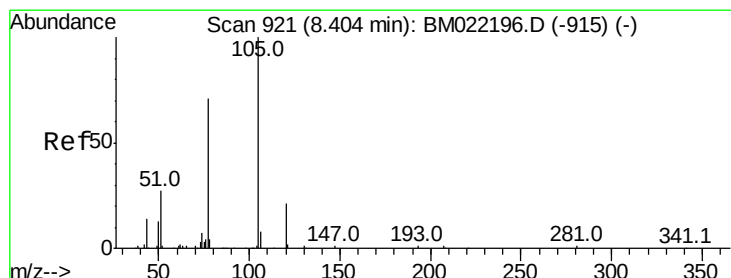
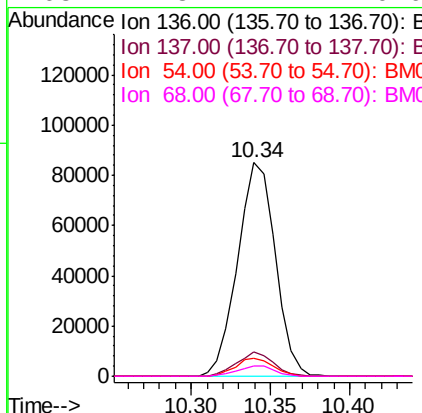
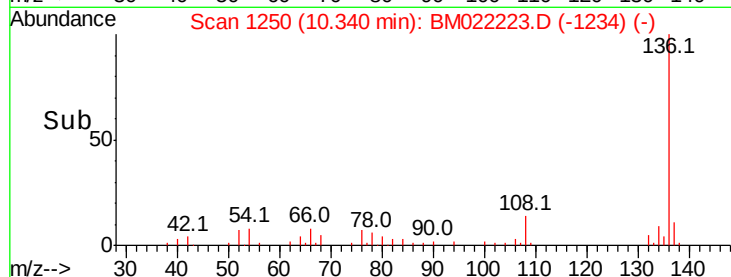
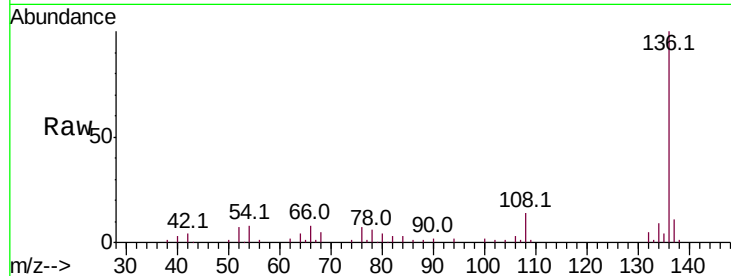
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.34 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.6	13.0	
54	8.1	5.3	7.9	
68	4.8	4.4	6.6	

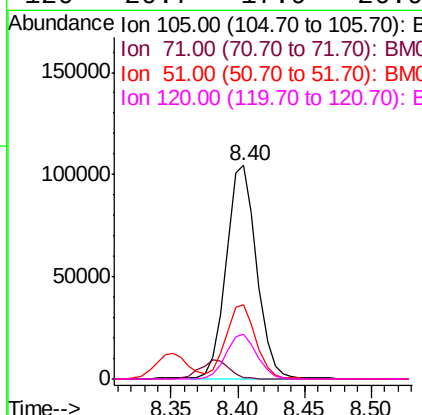
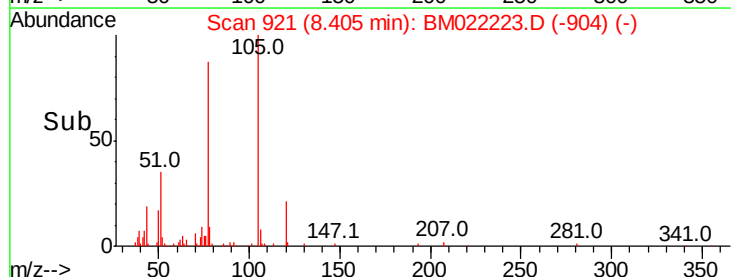
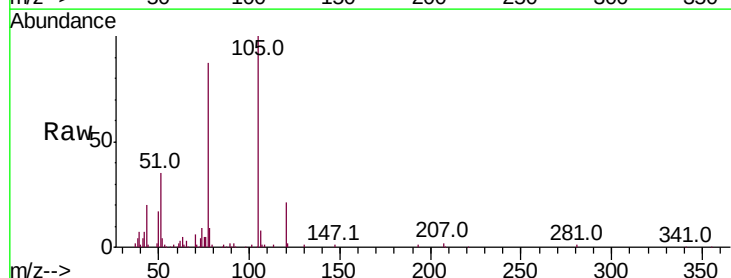
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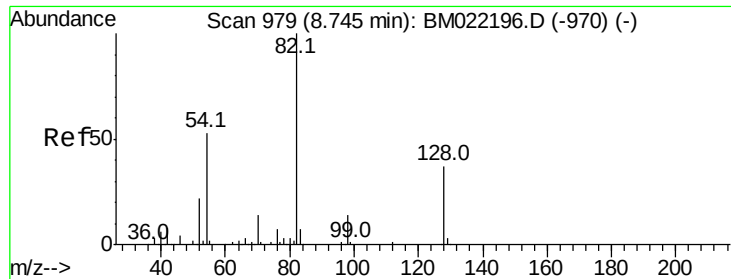
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#22
Acetophenone
Concen: 45.707 ng
RT: 8.40 min Scan# 921
Delta R.T. 0.00 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.9	1.2	1.8	
51	34.7	19.1	28.7	
120	20.7	17.9	26.9	





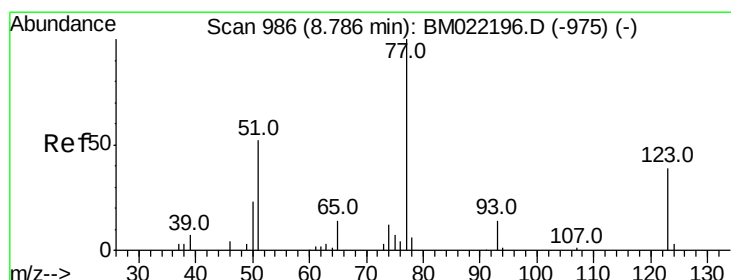
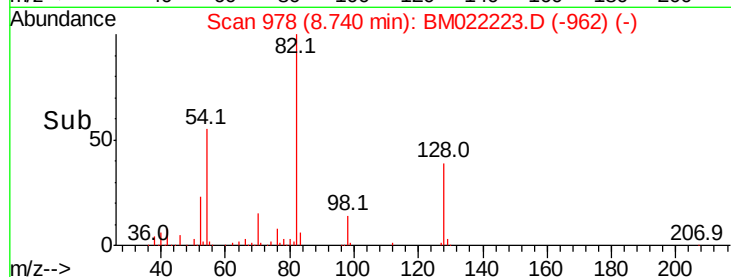
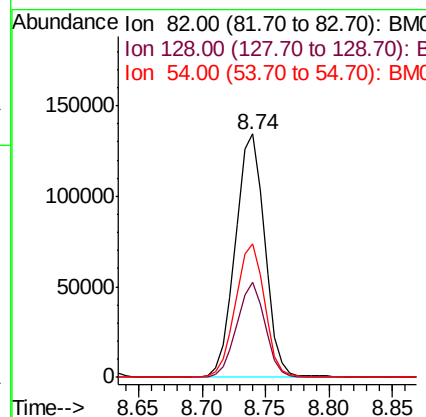
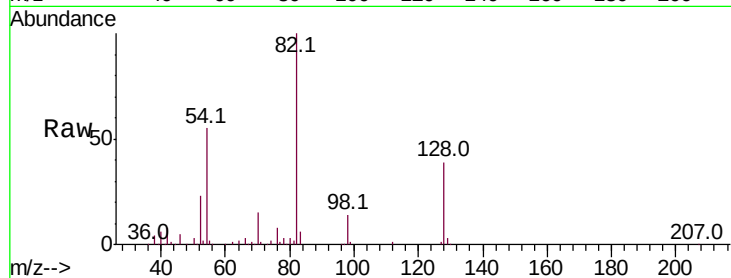
#23
Nitrobenzene-d5
Concen: 74.559 ng
RT: 8.74 min Scan# 978
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.2	35.9	53.9
54	54.7	36.6	55.0

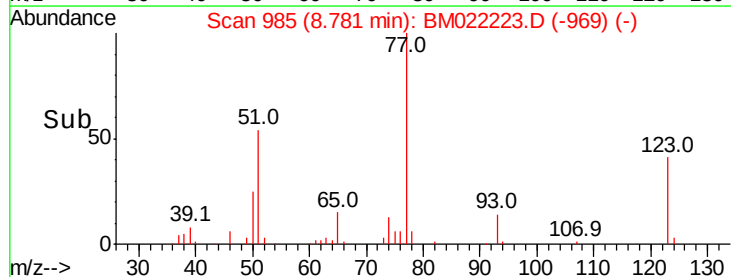
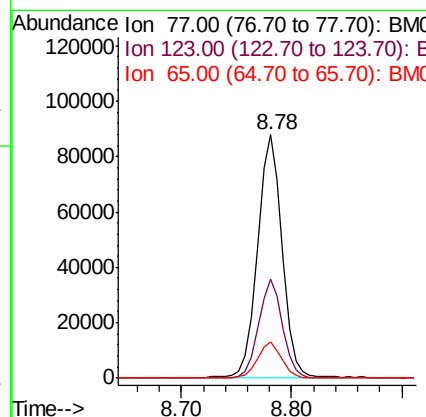
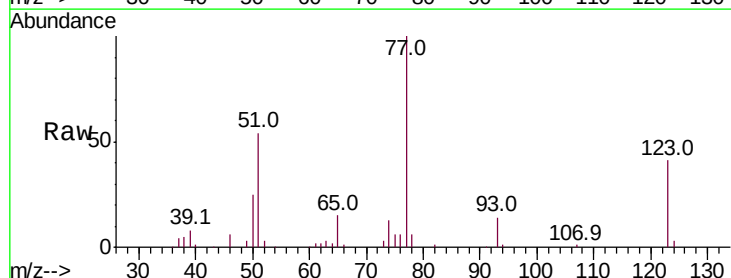
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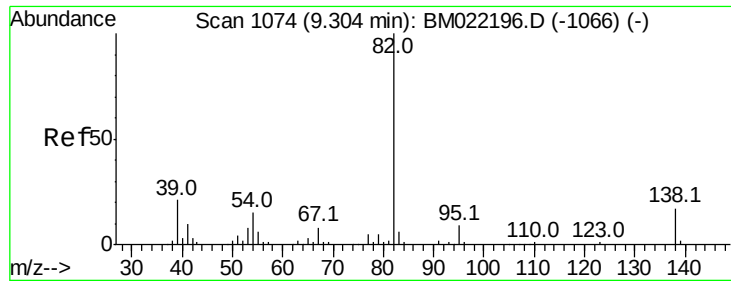
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#24
Nitrobenzene
Concen: 46.475 ng
RT: 8.78 min Scan# 985
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.7	36.3	54.5
65	14.8	10.6	16.0





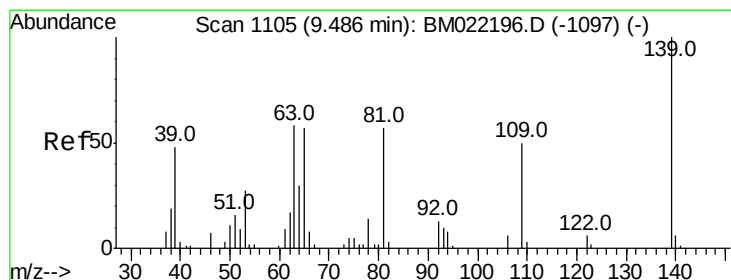
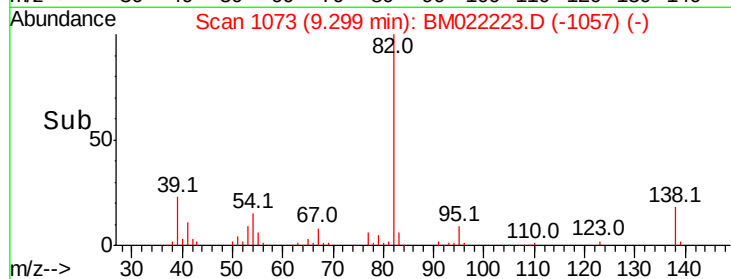
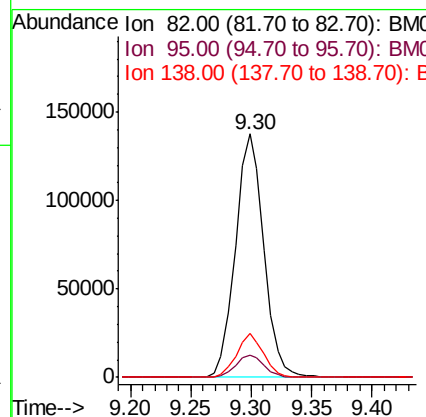
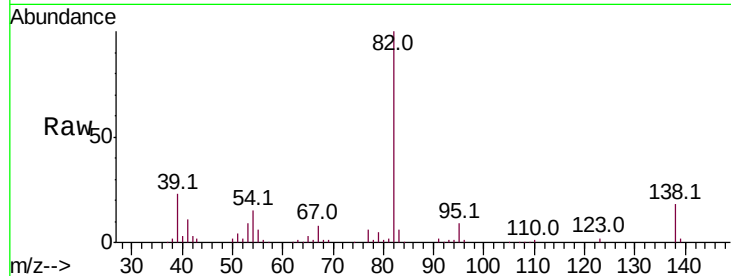
#25
Isophorone
Concen: 43.874 ng
RT: 9.30 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	9.2	6.1	9.1#	
138	18.0	15.0	22.6	

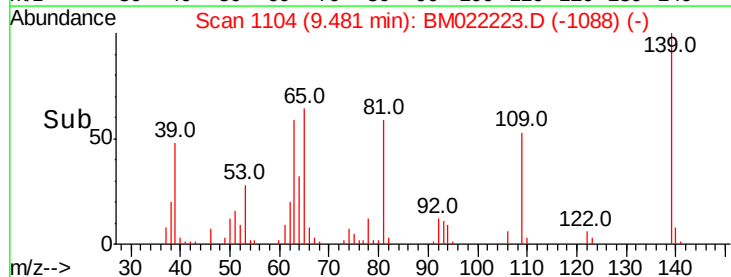
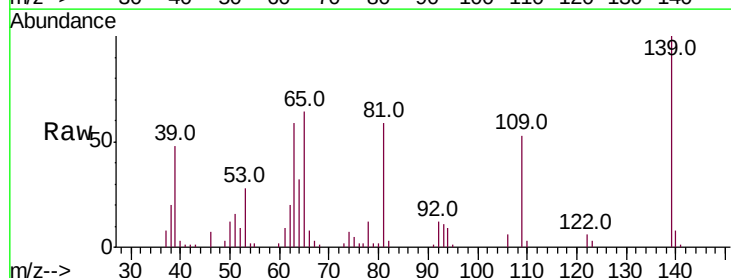
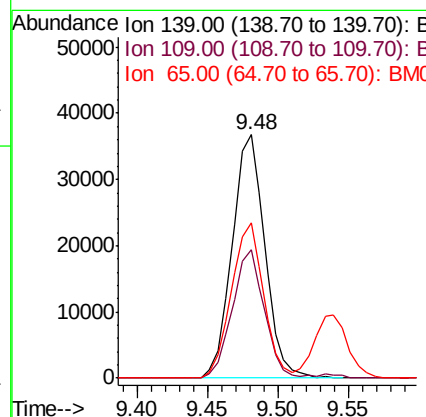
Manual Integrations
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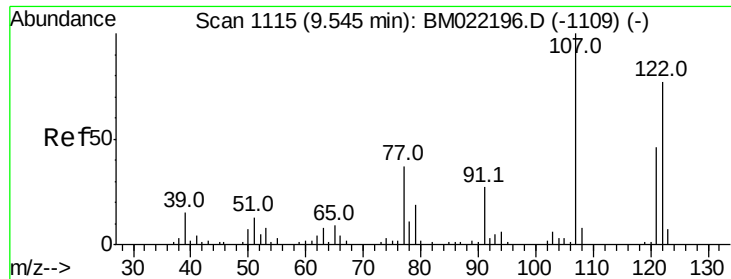
Jagrut
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#26
2-Nitrophenol
Concen: 47.106 ng
RT: 9.48 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	52.9	25.2	37.8#	
65	64.0	37.4	56.0#	





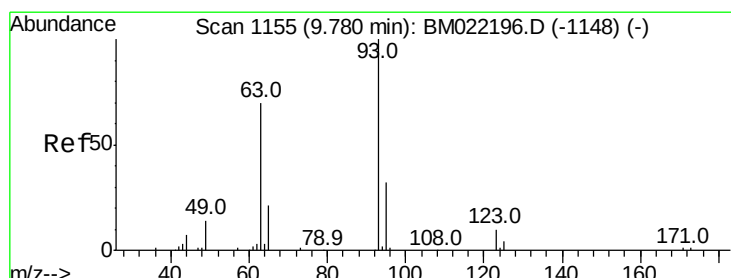
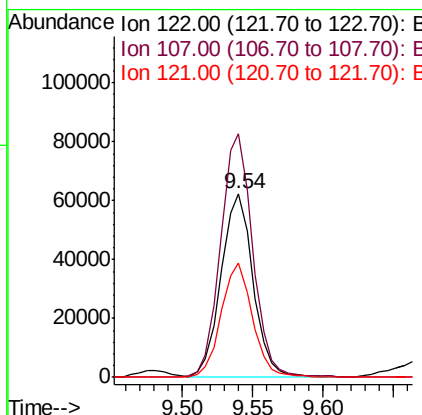
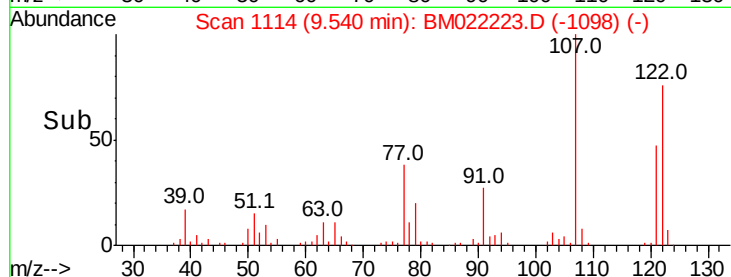
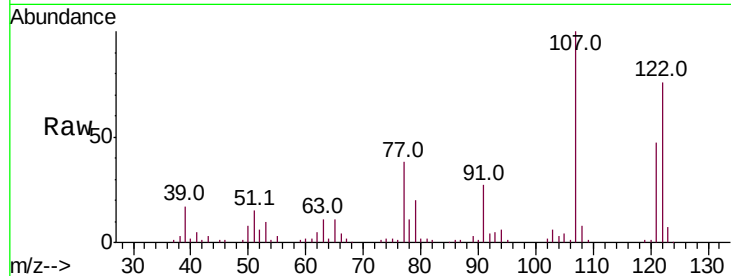
#27
 2,4-Dimethylphenol
 Concen: 52.172 ng
 RT: 9.54 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion:	122	Resp:	98758
Ion Ratio	Lower	Upper	
122	100		
107	132.3	95.3	142.9
121	62.0	47.5	71.3

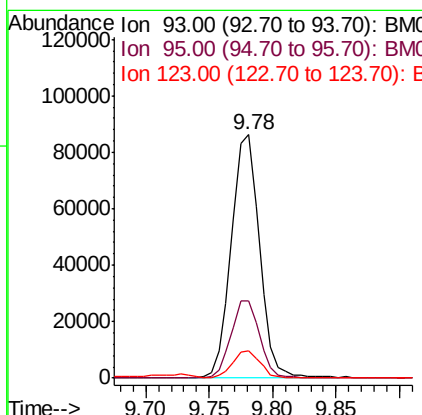
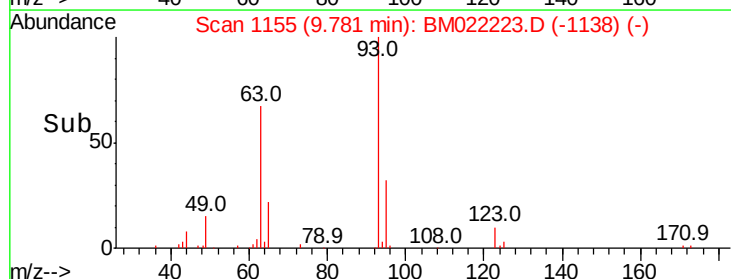
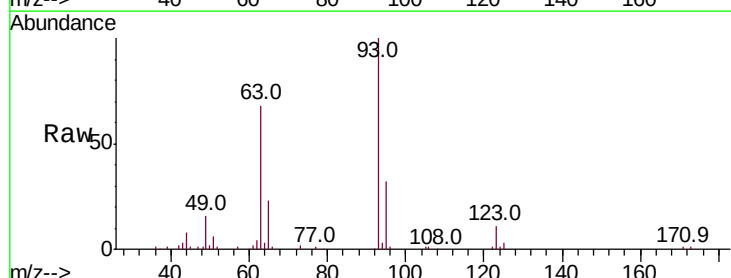
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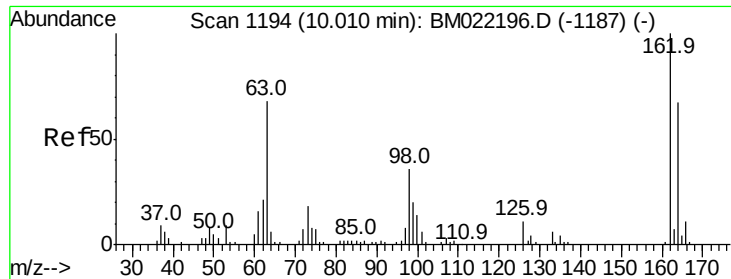
Jagrut
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#28
 bis(2-Chloroethoxy)methane
 Concen: 43.774 ng
 RT: 9.78 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion:	93	Resp:	133082
Ion Ratio	Lower	Upper	
93	100		
95	31.7	26.2	39.2
123	11.2	9.0	13.4





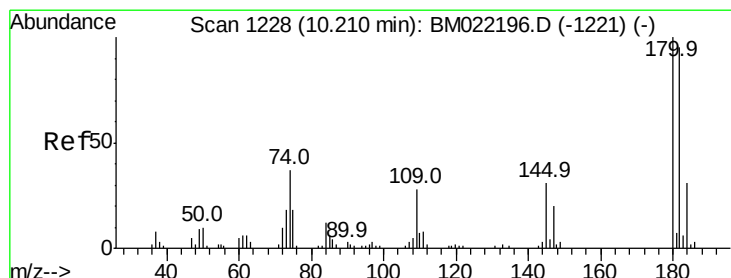
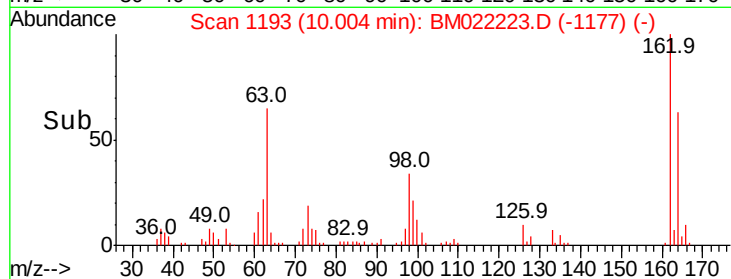
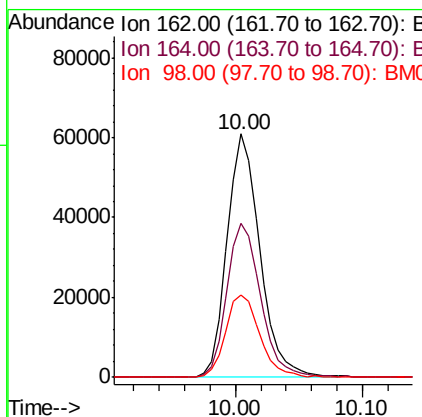
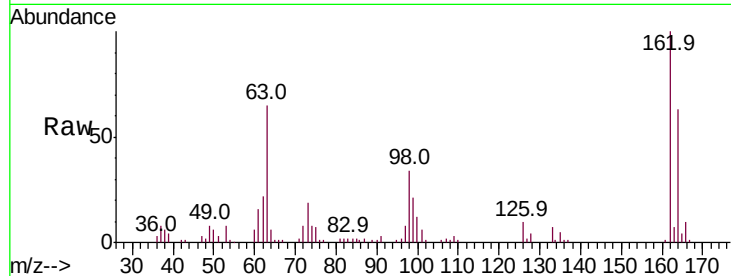
#29
 2,4-Dichlorophenol
 Concen: 47.975 ng
 RT: 10.00 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	109586		
164	63.0	43.7	83.7	
98	34.1	13.4	53.4	

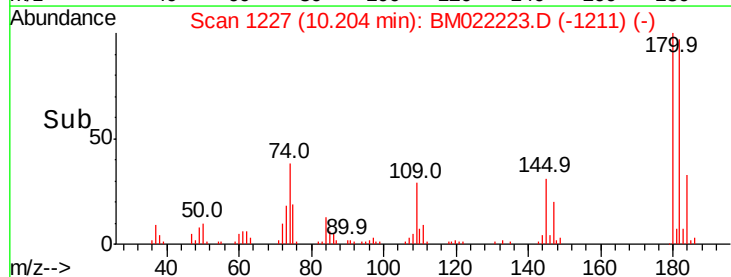
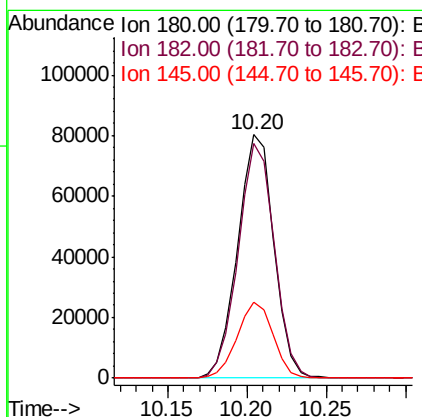
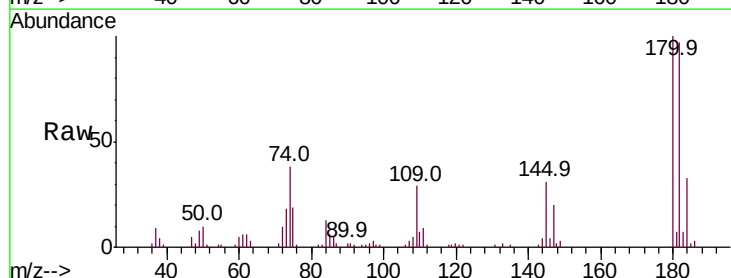
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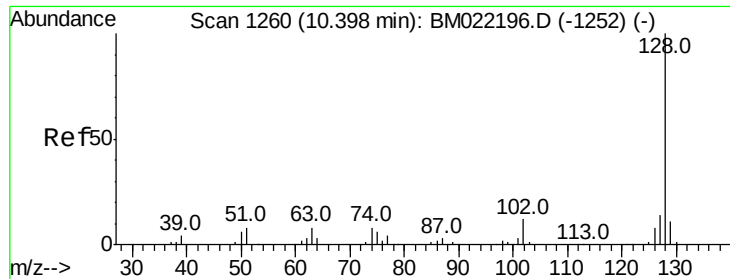
Jagrut
 8/22/2019 2:00:03 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 45.250 ng
 RT: 10.20 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	127319		
182	96.6	78.0	117.0	
145	31.1	23.4	35.0	





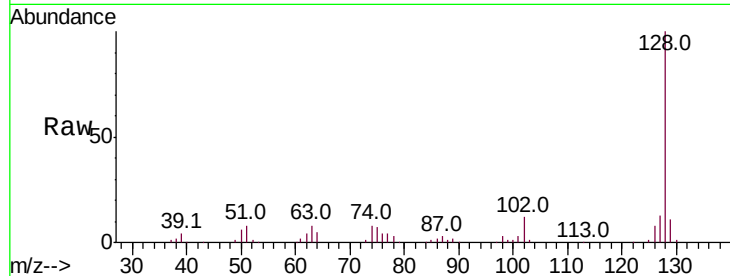
#31
Naphthalene
Concen: 45.571 ng
RT: 10.39 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.1	10.8	16.2

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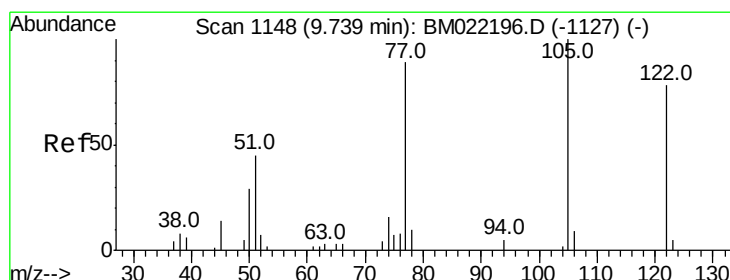
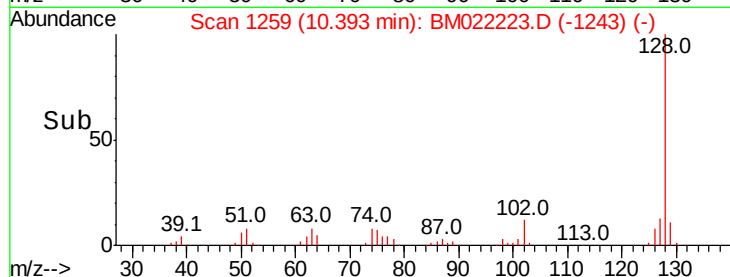
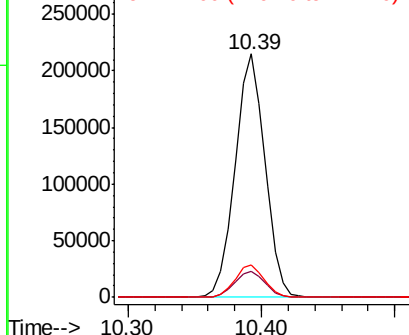


Abundance

Ion 128.00 (127.70 to 128.70): E

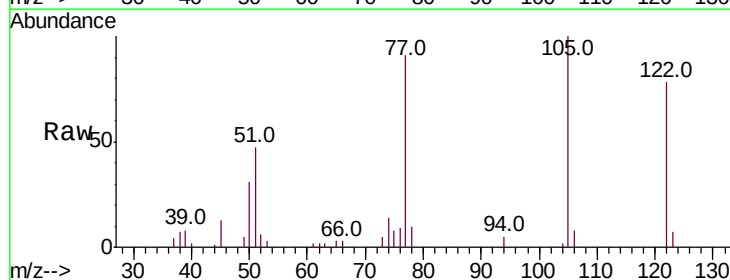
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 40.526 ng m
RT: 9.73 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
122	100		
105	127.8	108.9	148.9
77	115.8	76.7	116.7

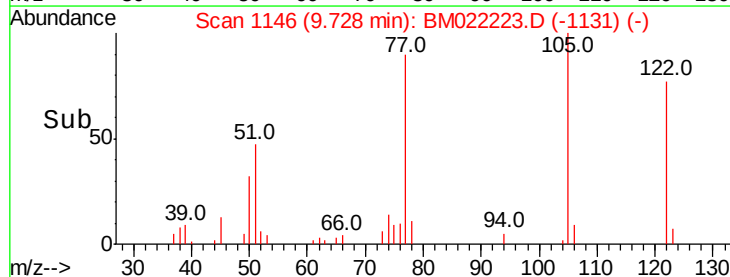
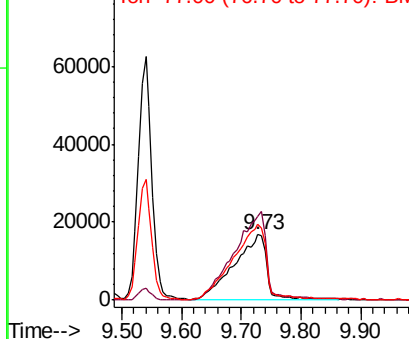


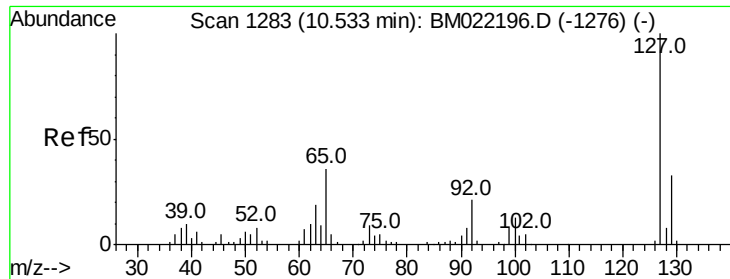
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM





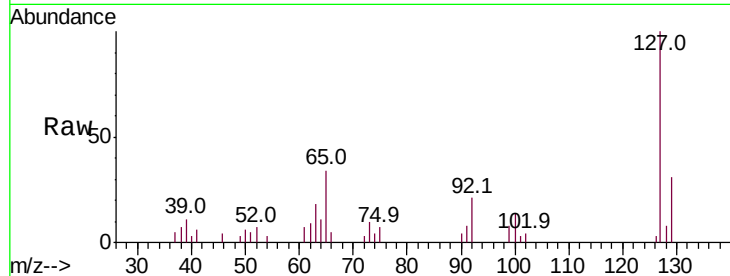
#33
4-Chloroaniline
Concen: 8.213 ng
RT: 10.54 min Scan# 1284
Delta R.T. 0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.1	37.7
65	33.5	23.8	35.8
92	21.3	15.7	23.5

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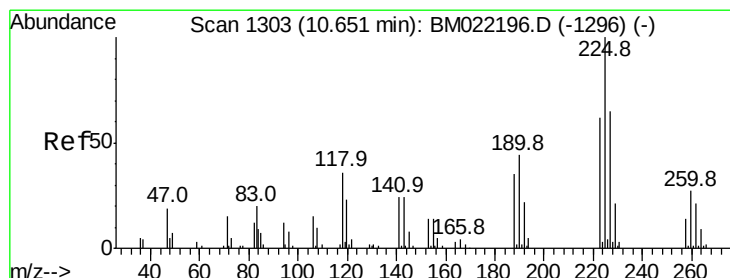
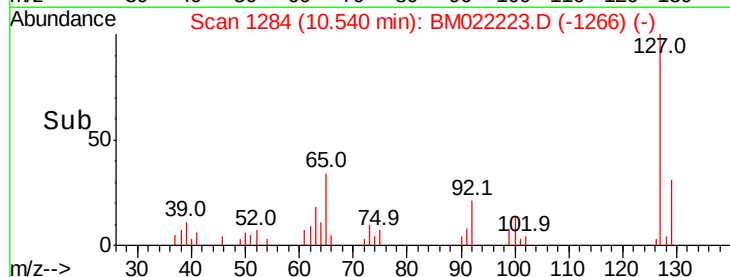
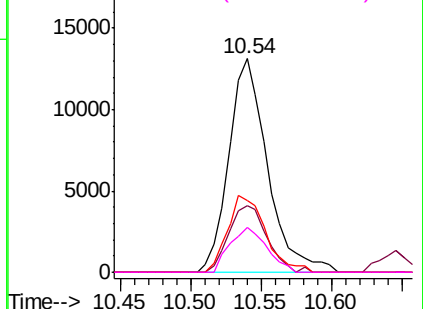
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

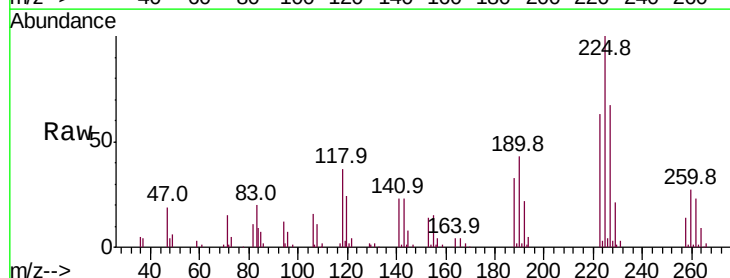
Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0



#34
Hexachlorobutadiene
Concen: 44.844 ng
RT: 10.65 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.6	74.4
227	67.0	50.4	75.6

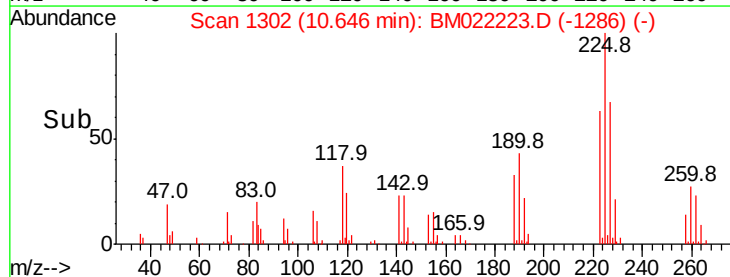
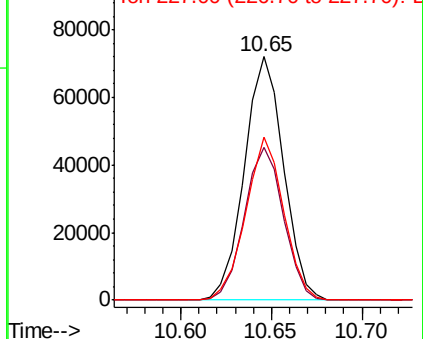


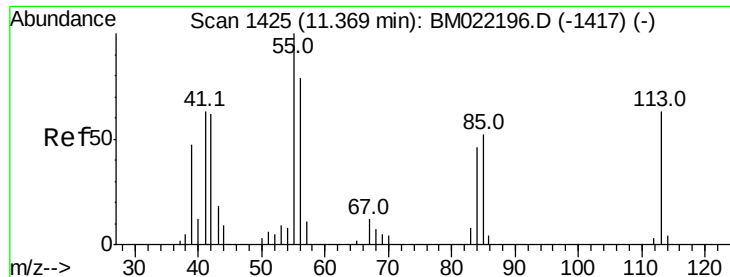
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 38.911 ng/mL

RT: 11.36 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Instrument :

BNA_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MSD

Tot Ion:113 Resp: 23892

Ion Ratio Lower Upper

113 100

55 192.7 129.8 169.8#

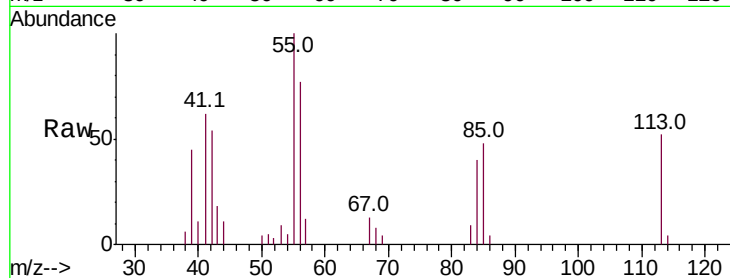
56 147.8 94.3 134.3#

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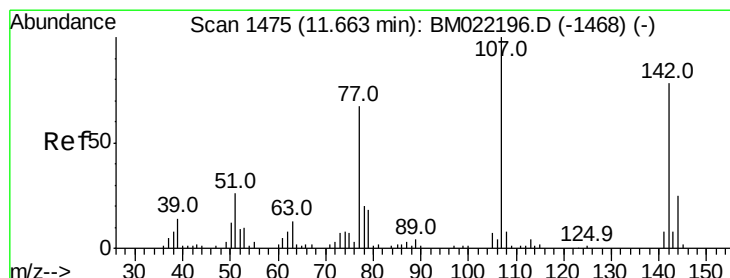
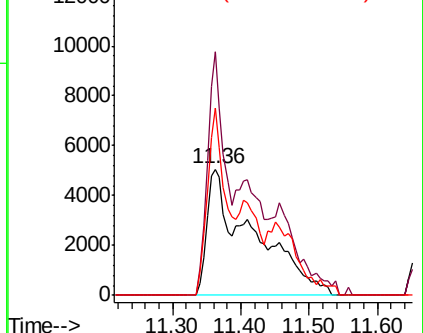
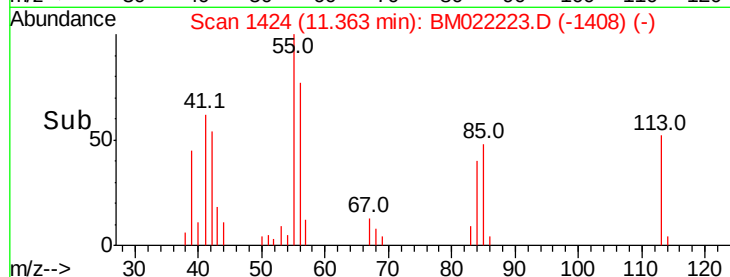
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#36

4-Chloro-3-methylphenol

Concen: 44.028 ng/mL

RT: 11.66 min Scan# 1475

Delta R.T. 0.00 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

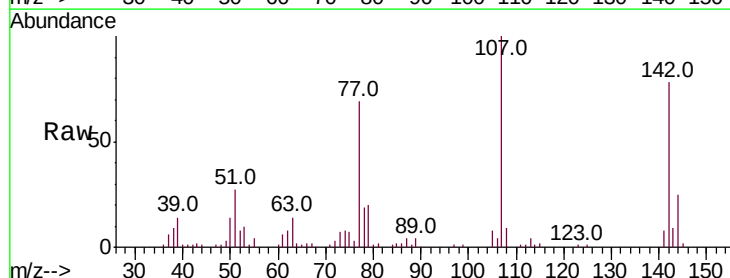
Tgt Ion:107 Resp: 106303

Ion Ratio Lower Upper

107 100

144 25.5 21.3 31.9

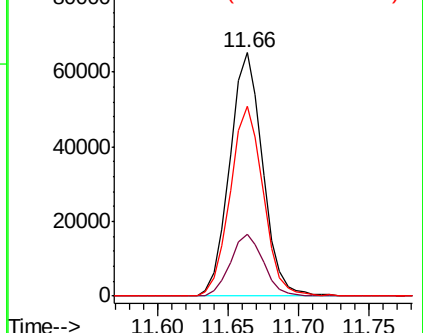
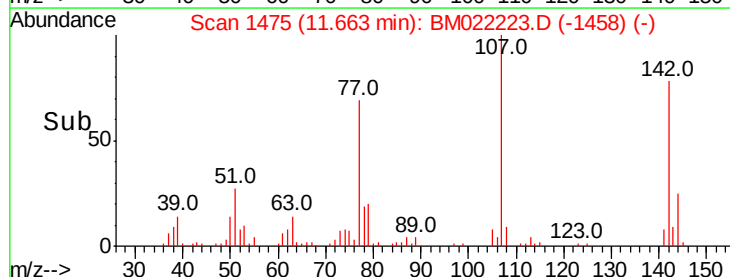
142 77.8 64.9 97.3

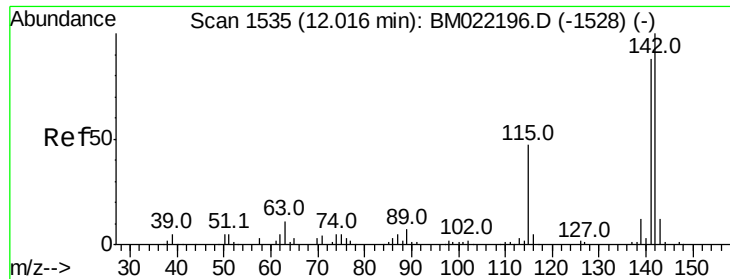


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





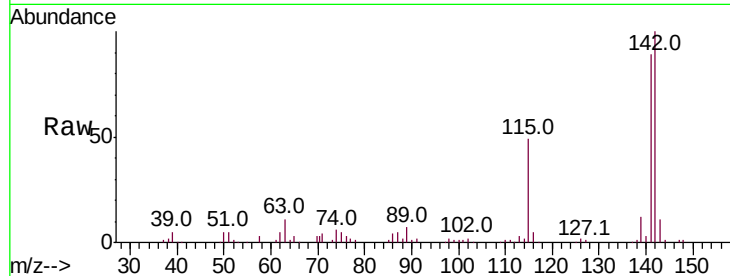
#37
2-Methylnaphthalene
Concen: 44.809 ng
RT: 12.02 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.2	108.2
115	48.9	27.9	41.9#

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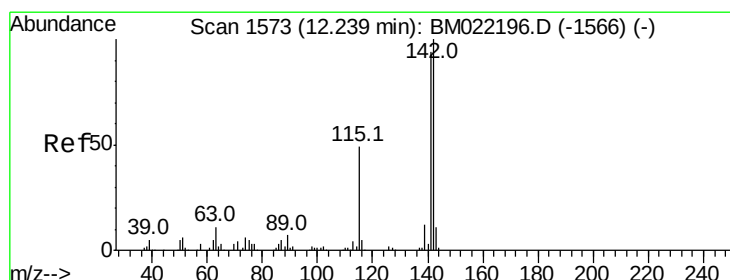
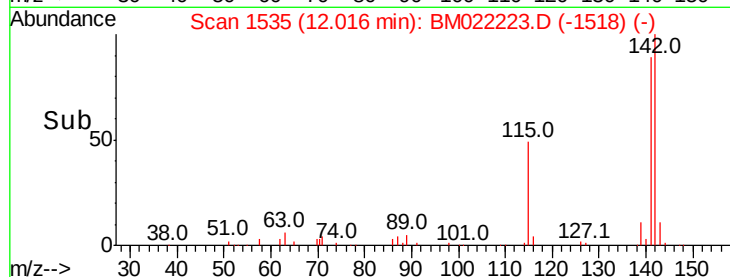
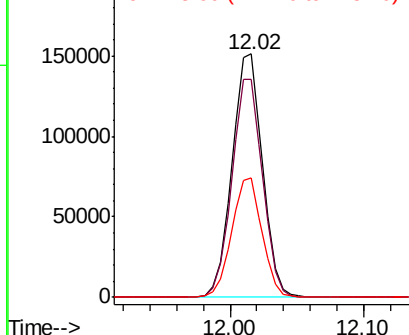


Abundance

Ion 142.00 (141.70 to 142.70): E

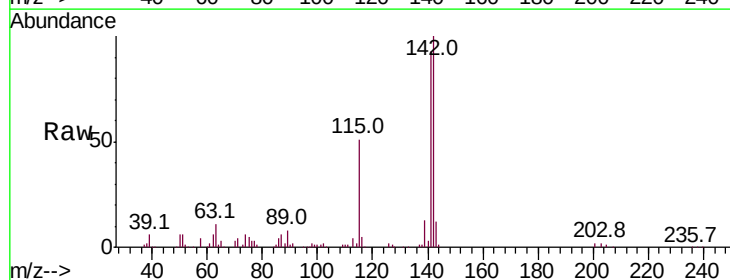
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 43.946 ng
RT: 12.23 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.4	73.9	110.9
116	5.4	3.0	4.6#

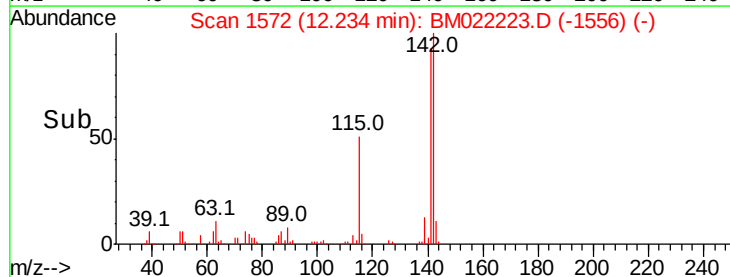
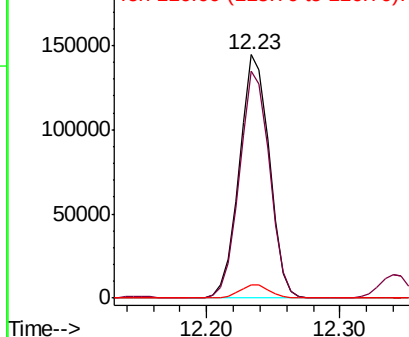


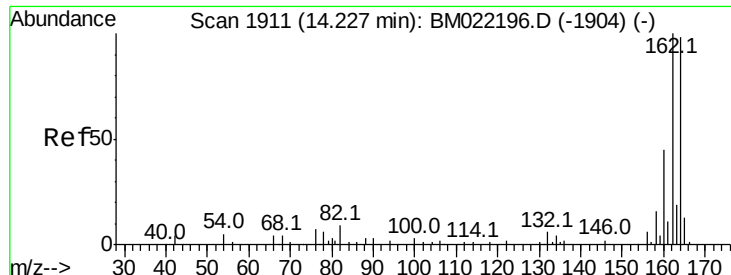
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





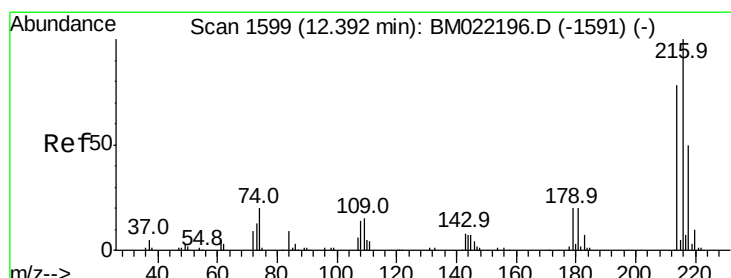
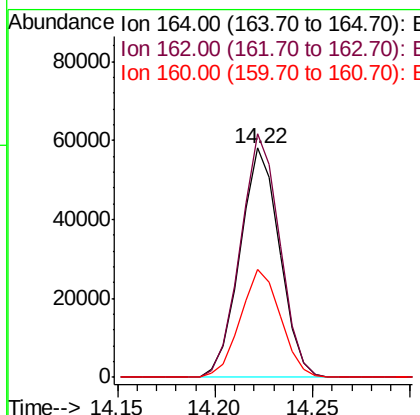
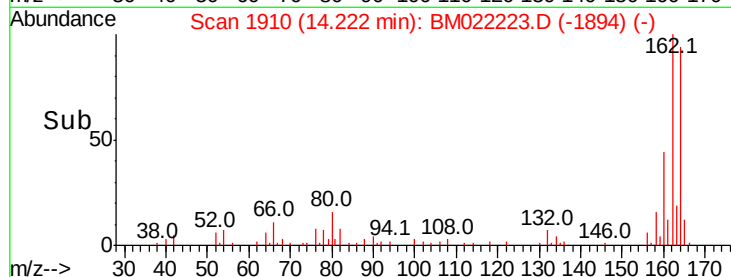
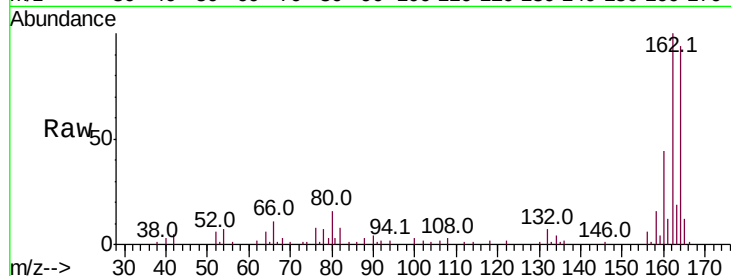
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.22 min Scan# 1910
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.3	82.1	123.1
160	47.1	37.1	55.7

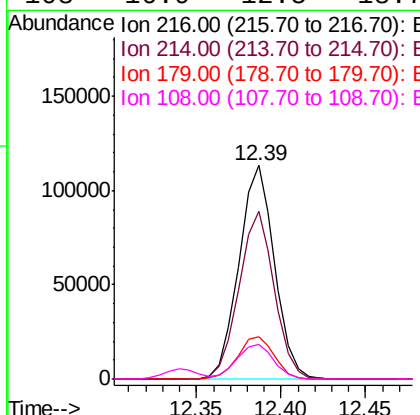
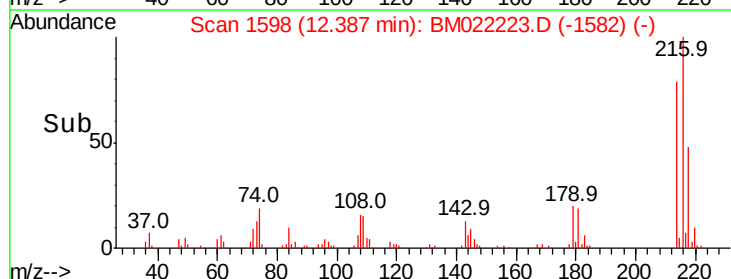
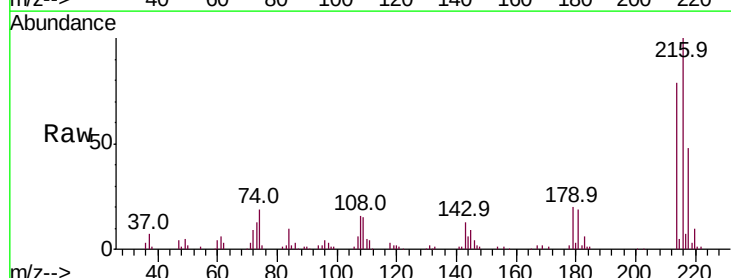
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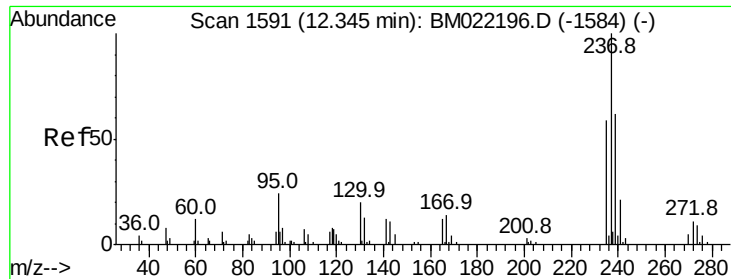
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 51.776 ng
 RT: 12.39 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.7	63.0	94.6
179	20.2	16.4	24.6
108	16.9	12.5	18.7





#41

Hexachlorocyclopentadiene

Concen: 92.250 ng

RT: 12.34 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Instrument :

BNA_M

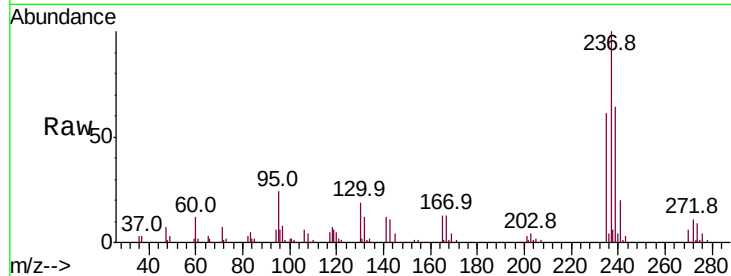
ClientSampleId :

REACTOR-3-C1-C4-(3)MSD

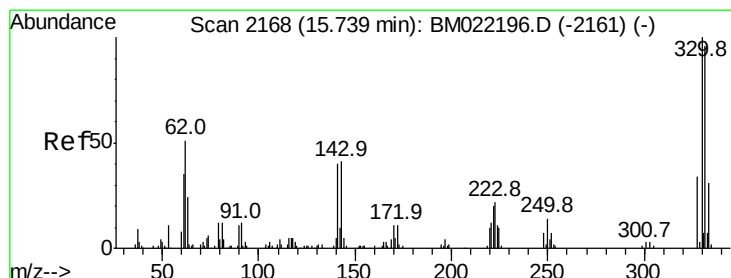
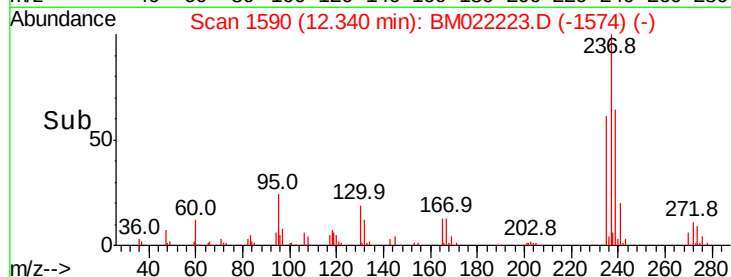
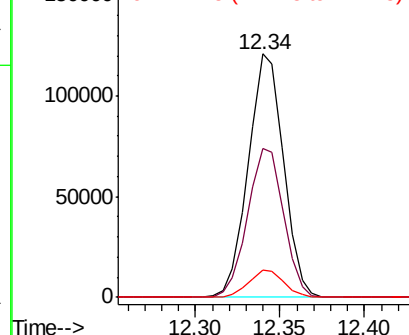
Tot Ion	Ratio	Resp	Lower	Upper
237	100	176201		
235	61.4	41.7	81.7	
272	11.3	0.0	34.1	

Manual Integrations
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 99.572 ng

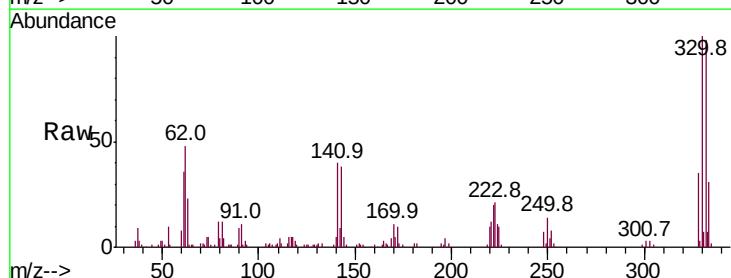
RT: 15.73 min Scan# 2167

Delta R.T. -0.01 min

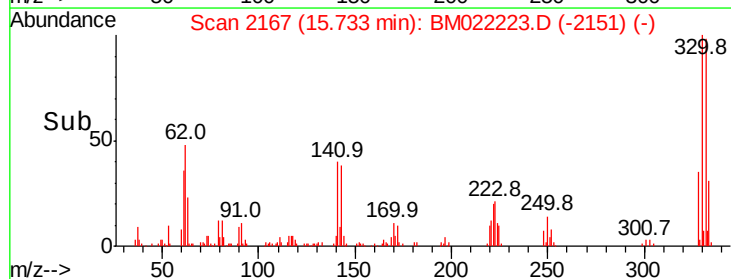
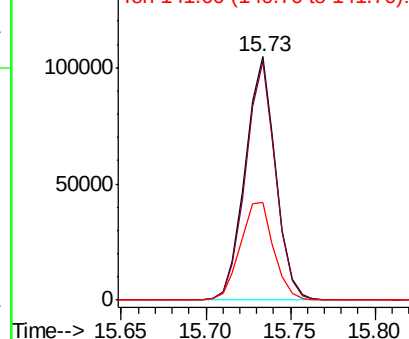
Lab File: BM022223.D

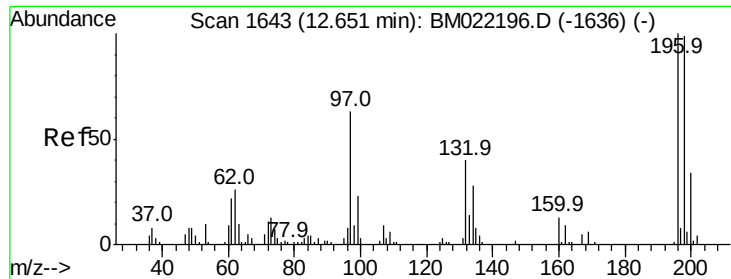
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	131605		
332	96.8	77.1	115.7	
141	43.9	21.8	32.8#	



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





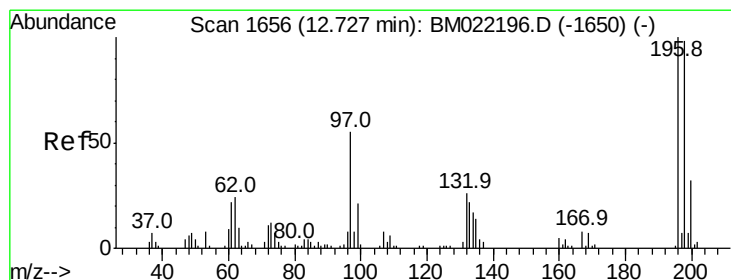
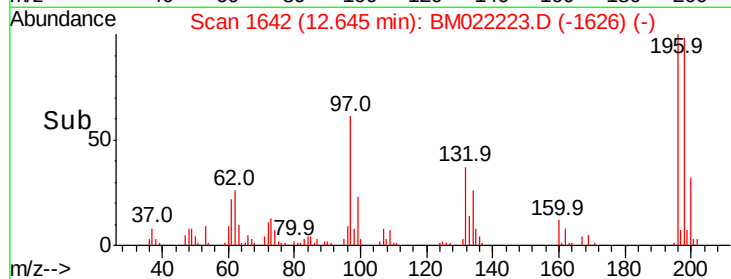
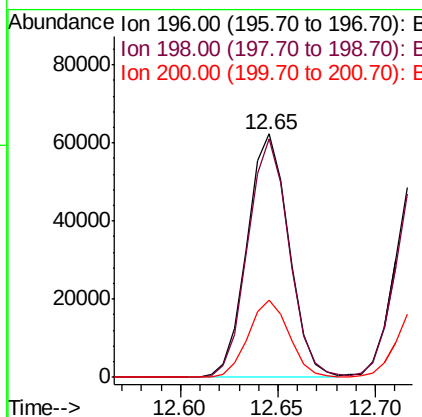
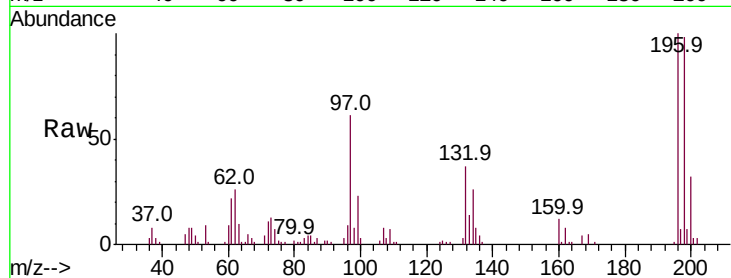
#43
 2,4,6-Trichlorophenol
 Concen: 48.176 ng
 RT: 12.65 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	92309		
198	97.8	76.7	115.1	
200	31.8	24.2	36.4	

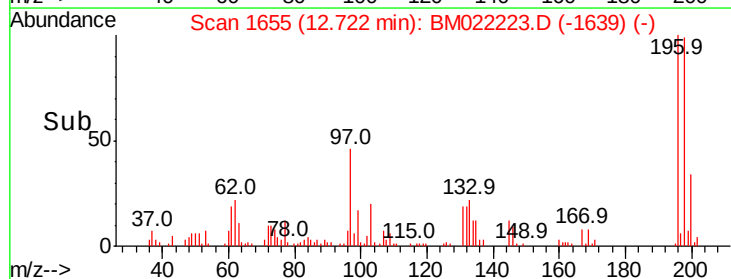
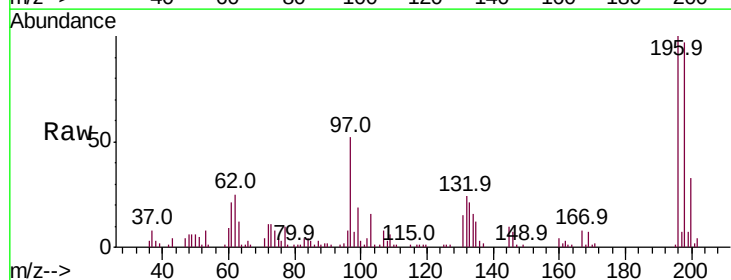
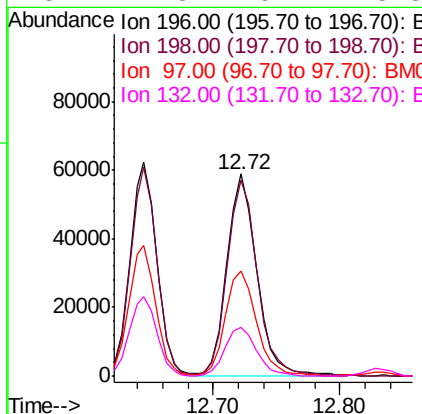
Manual Integrations
 APPROVED

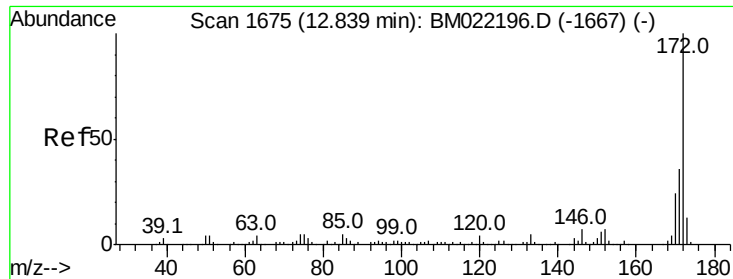
Jagrut
 8/22/2019 2:00:03 PM



#44
 2,4,5-Trichlorophenol
 Concen: 49.489 ng
 RT: 12.72 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	96253		
198	97.3	78.2	117.4	
97	52.3	34.1	51.1#	
132	24.3	19.2	28.8	





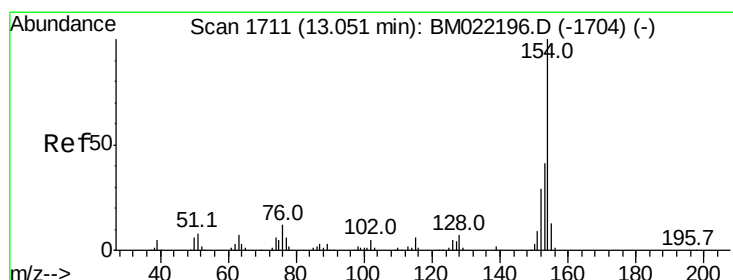
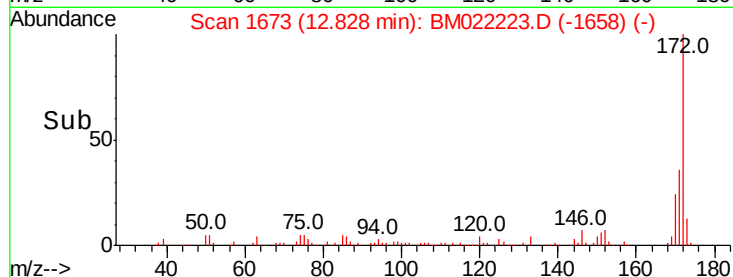
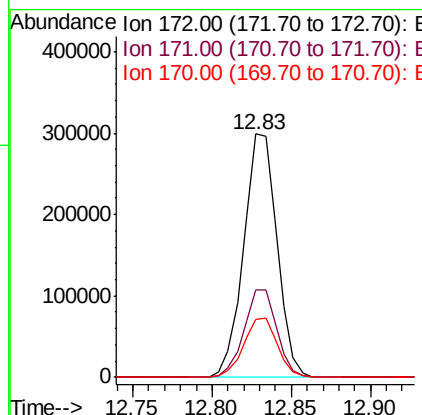
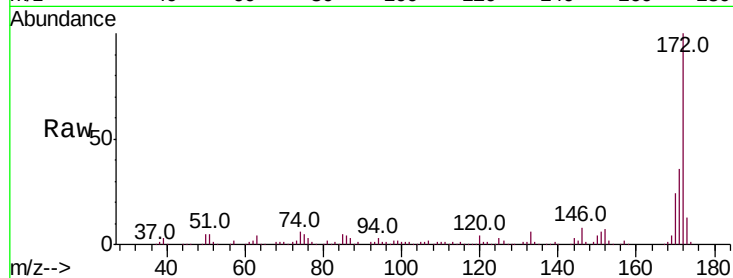
#45
2-Fluorobiphenyl
Concen: 66.839 ng
RT: 12.83 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
172	100	436987		
171	36.0		28.6	43.0
170	24.1		18.7	28.1

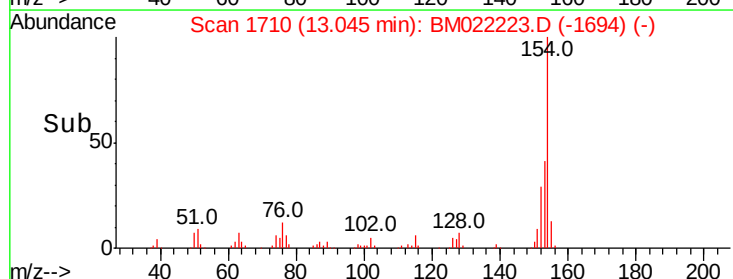
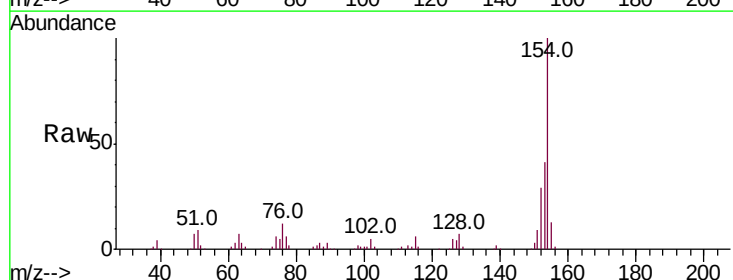
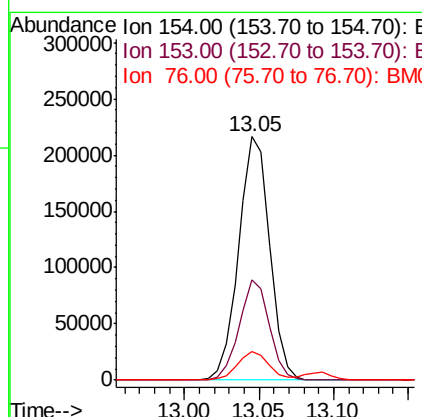
Manual Integrations
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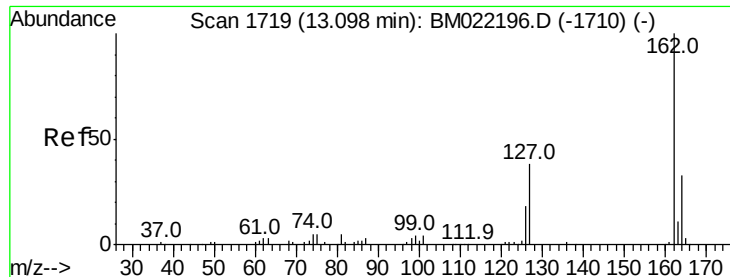
Jagrut
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#46
1,1'-Biphenyl
Concen: 48.476 ng
RT: 13.05 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	311308		
153	41.3		21.3	61.3
76	11.9		0.0	30.9





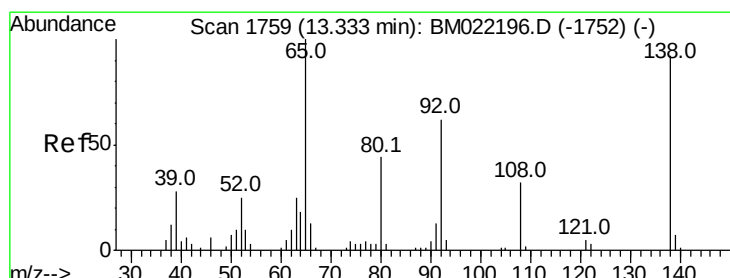
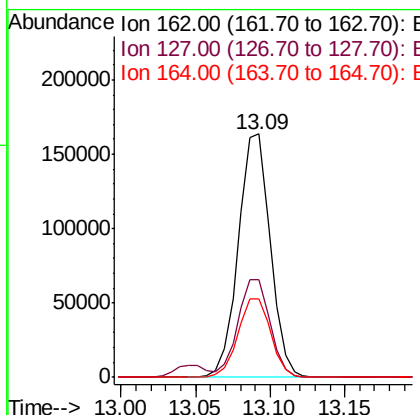
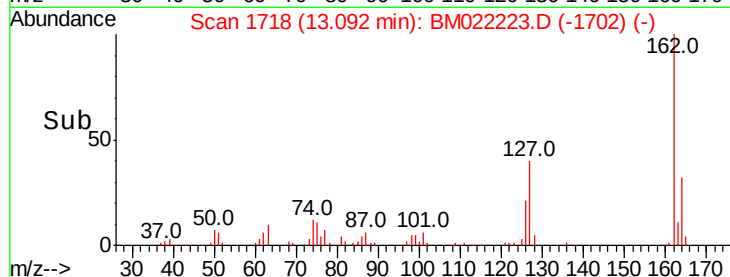
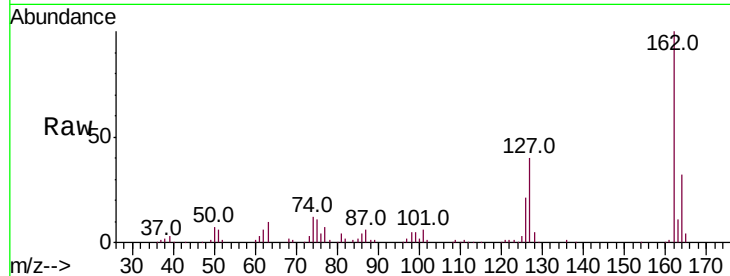
#47
 2-Chloronaphthalene
 Concen: 46.064 ng
 RT: 13.09 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.0	29.4	44.2
164	32.0	26.5	39.7

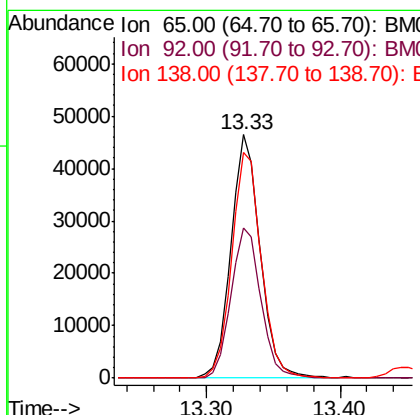
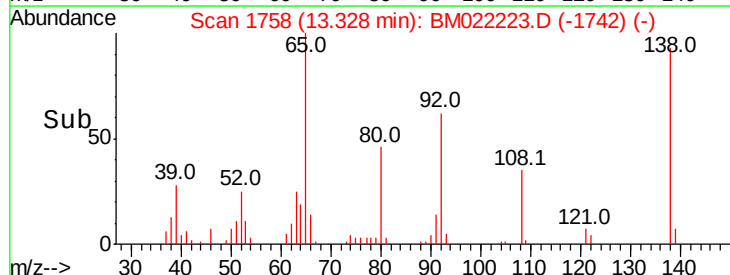
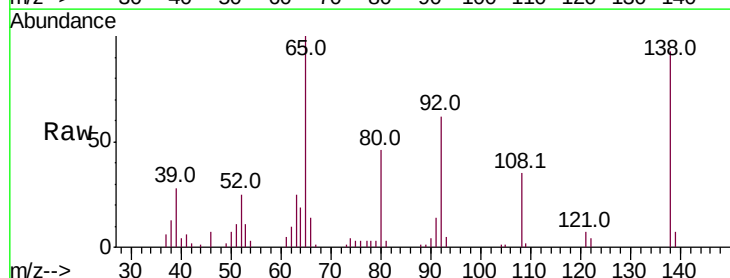
Manual Integrations
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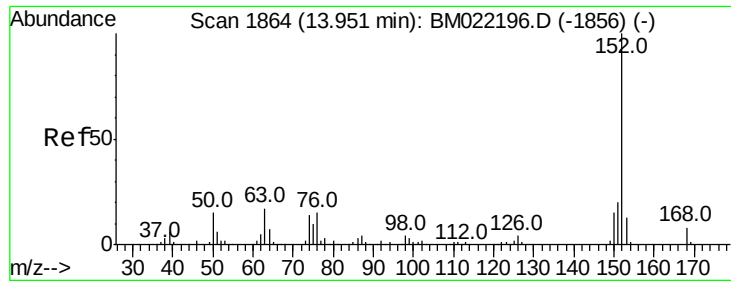
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#48
 2-Nitroaniline
 Concen: 42.301 ng
 RT: 13.33 min Scan# 1758
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
65	100		
92	61.6	56.3	84.5
138	92.7	92.6	139.0





#49

Acenaphthylene

Concen: 46.723 ng

RT: 13.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Instrument :

BNA_M

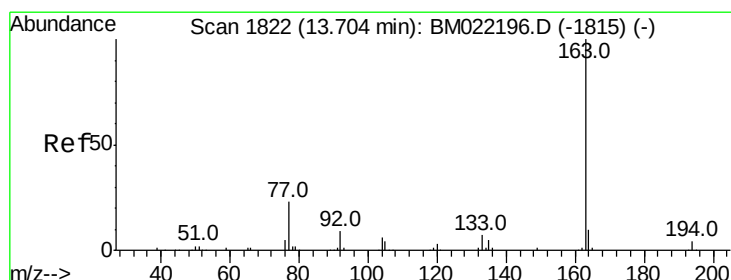
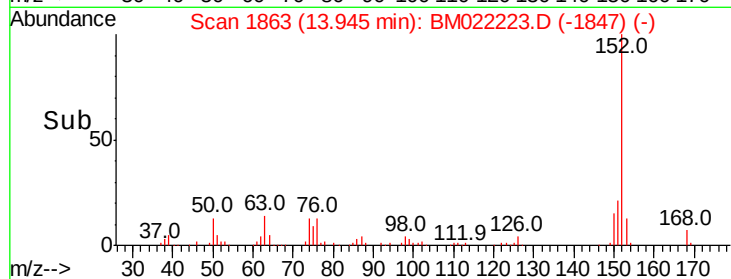
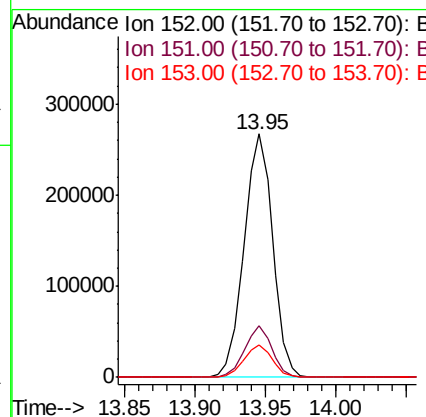
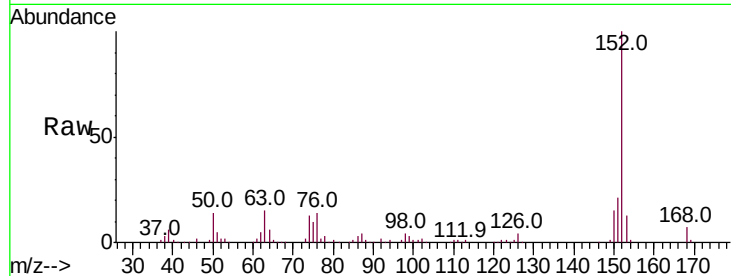
ClientSampleId :

REACTOR-3-C1-C4-(3)MSD

Tot Ion:	152	Resp:	378769
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.1	24.1
153	13.4	10.6	16.0

Manual Integrations
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#50

Dimethylphthalate

Concen: 50.937 ng

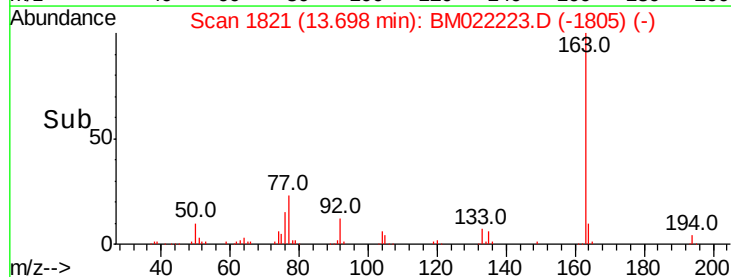
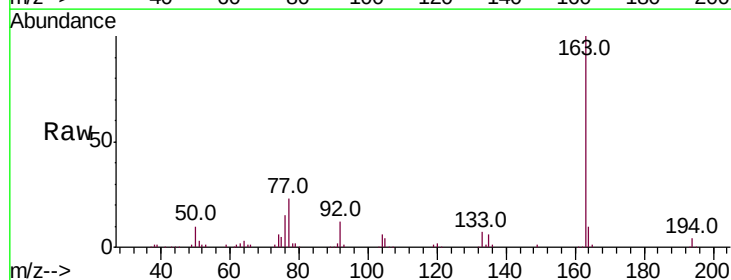
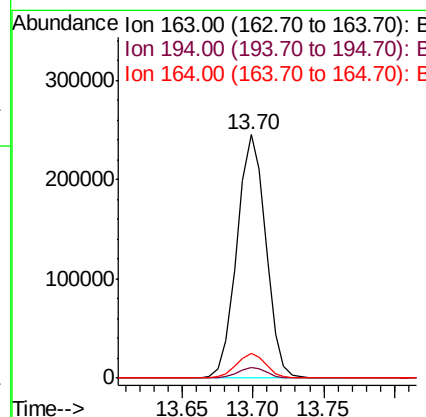
RT: 13.70 min Scan# 1821

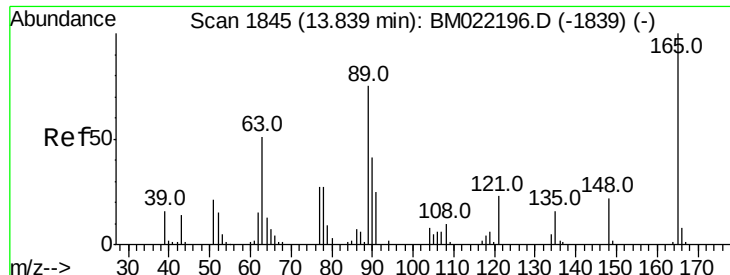
Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Tgt Ion:	163	Resp:	349701
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.4	5.2
164	10.1	8.2	12.2





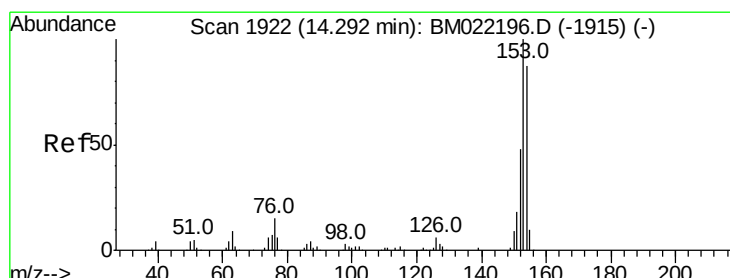
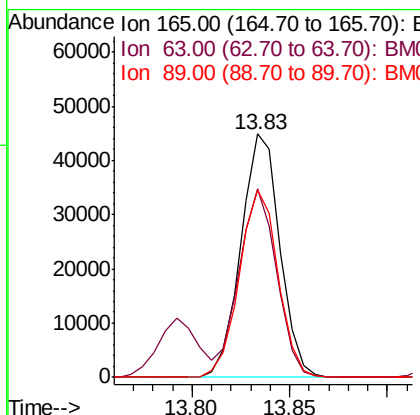
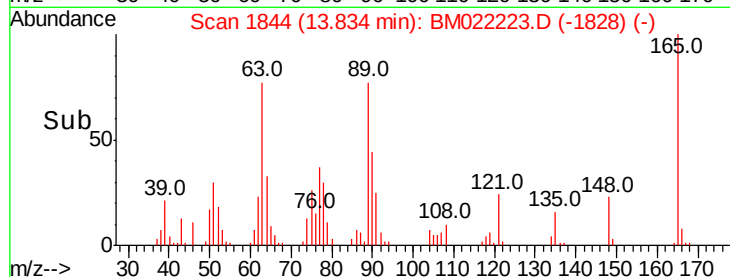
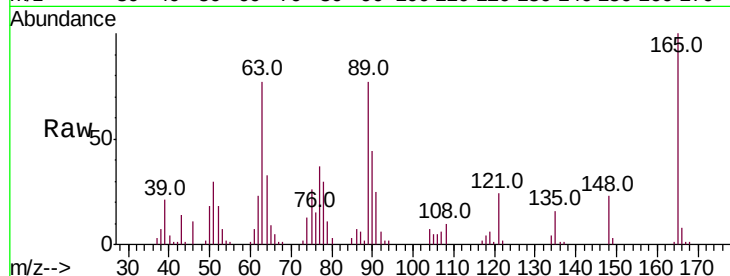
#51
2,6-Dinitrotoluene
Concen: 45.615 ng
RT: 13.83 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	77.3	37.8	56.6#
89	76.8	39.7	59.5#

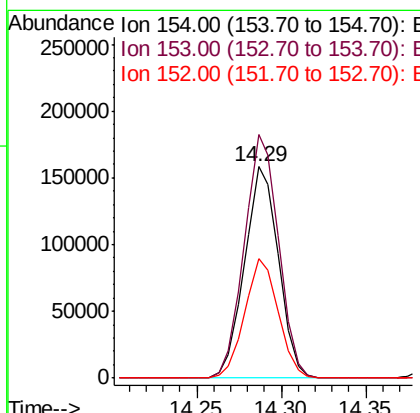
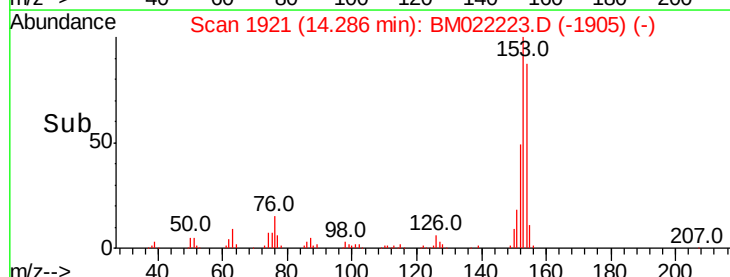
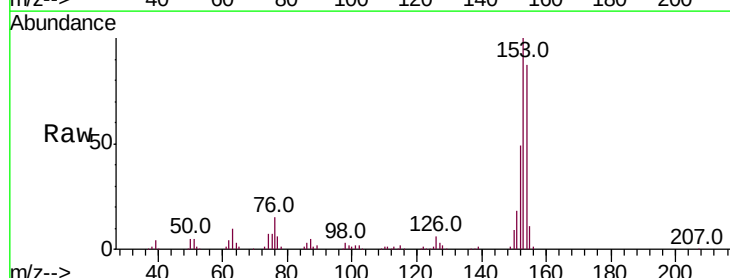
Manual Integrations
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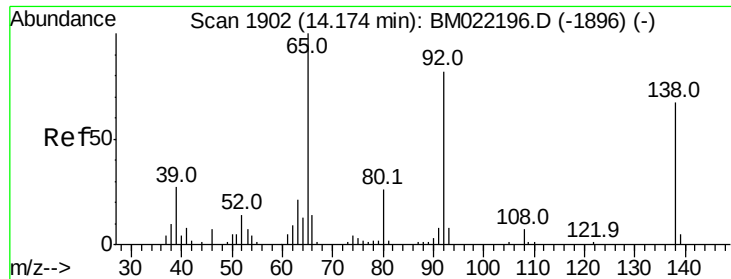
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#52
Acenaphthene
Concen: 46.900 ng
RT: 14.29 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.5	137.3
152	56.4	42.3	63.5





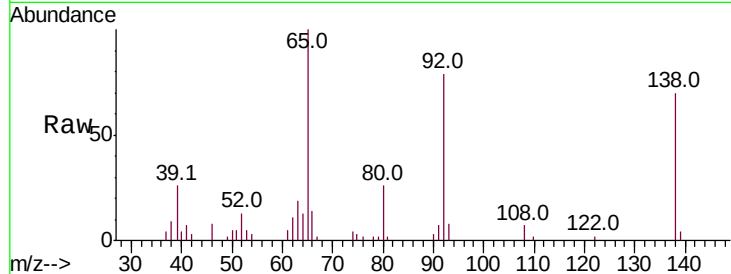
#53
 3-Nitroaniline
 Concen: 17.318 ng
 RT: 14.17 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	9.0	13.4
92	113.3	92.2	138.2

Manual Integrations
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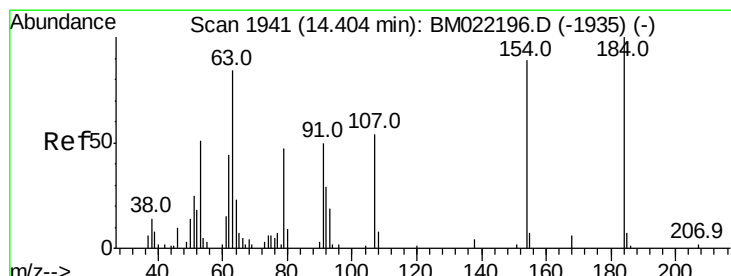
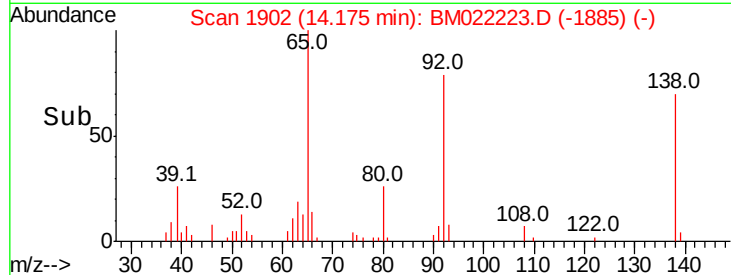
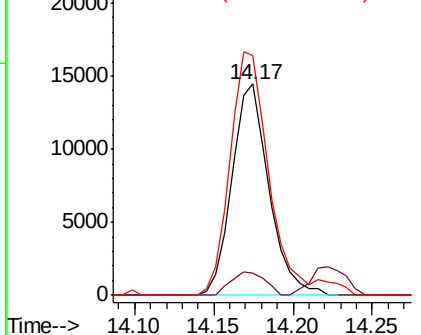


Abundance

Ion 138.00 (137.70 to 138.70): E

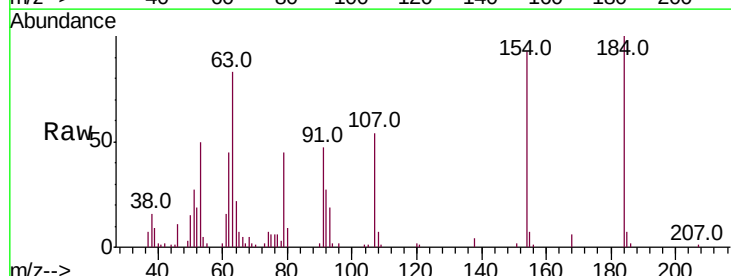
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#54
 2,4-Dinitrophenol
 Concen: 70.151 ng
 RT: 14.40 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
184	100		
63	82.6	45.5	68.3#
154	93.4	50.6	76.0#

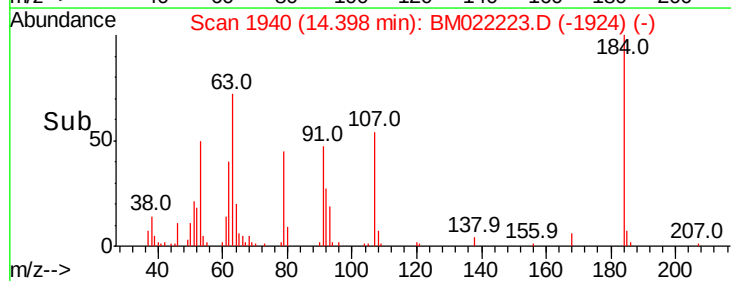
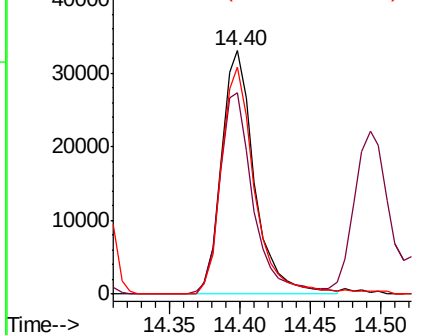


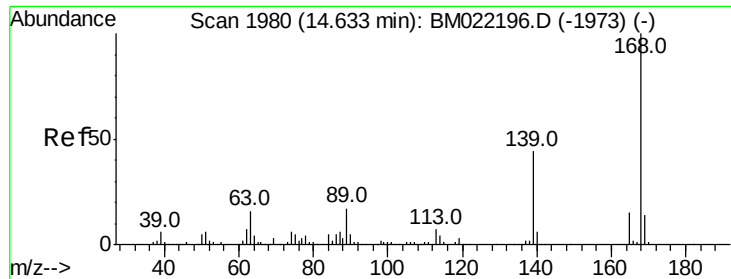
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E





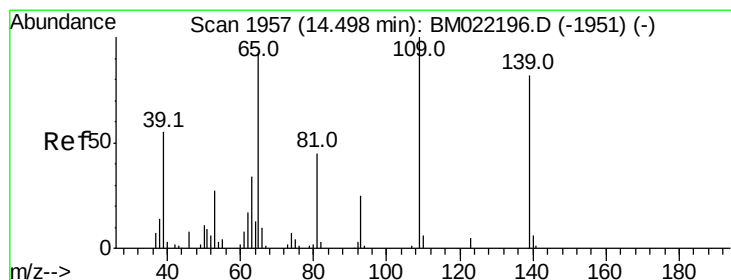
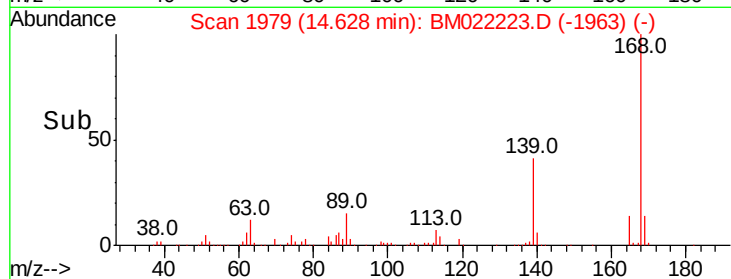
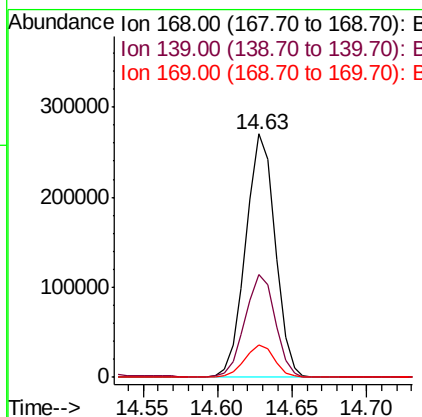
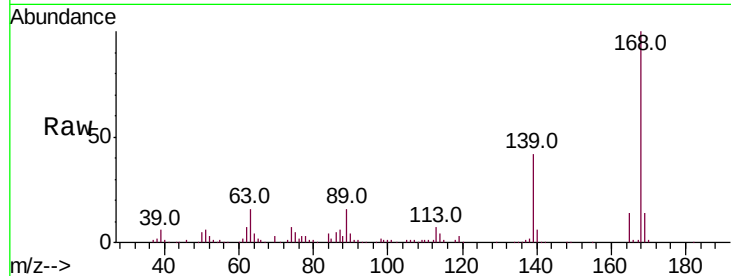
#55
Dibenzenofuran
Concen: 46.893 ng
RT: 14.63 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	42.2	28.4	42.6	
169	13.5	10.6	16.0	

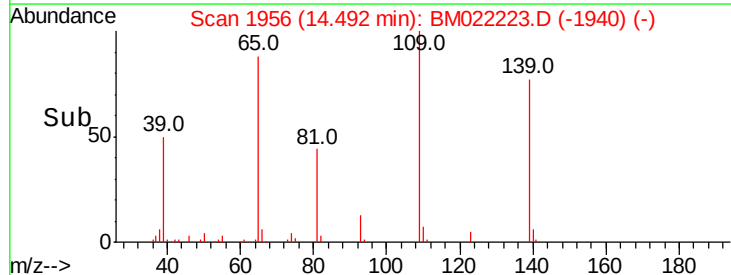
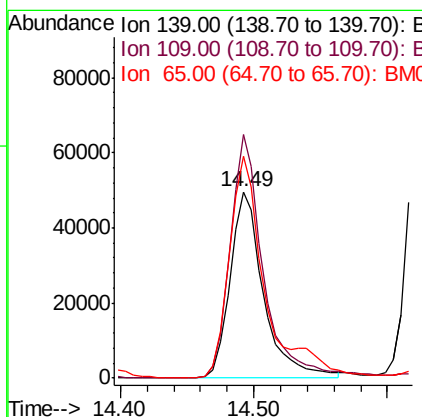
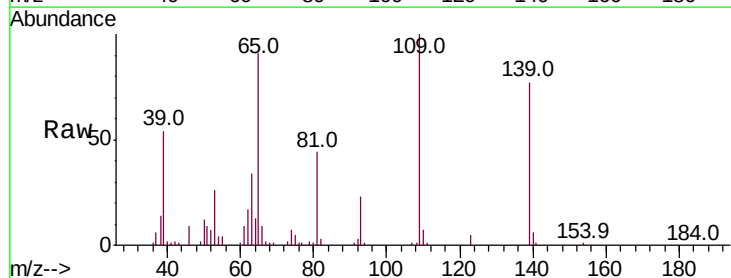
Manual Integrations
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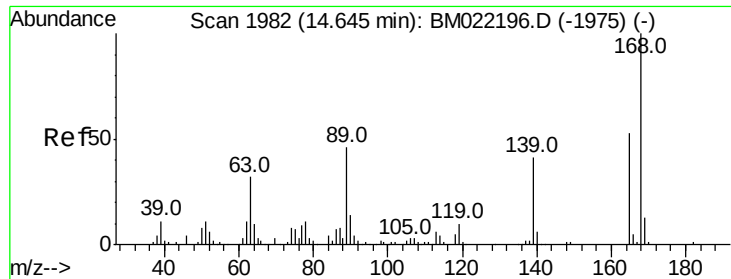
Jagrut
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#56
4-Nitrophenol
Concen: 96.639 ng
RT: 14.49 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	130.5	53.3	93.3#	
65	118.6	70.3	110.3#	





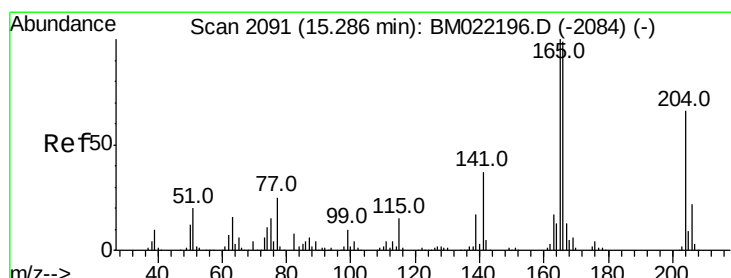
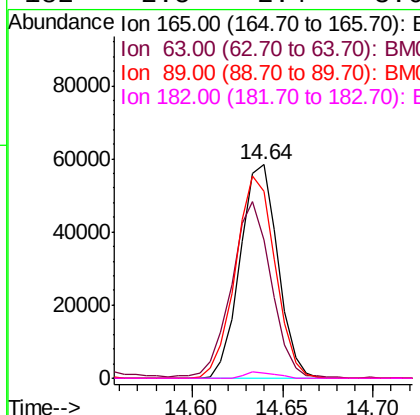
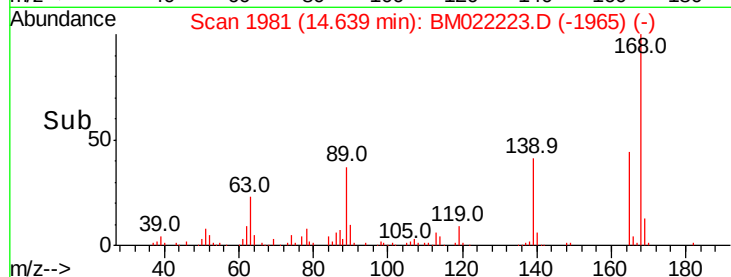
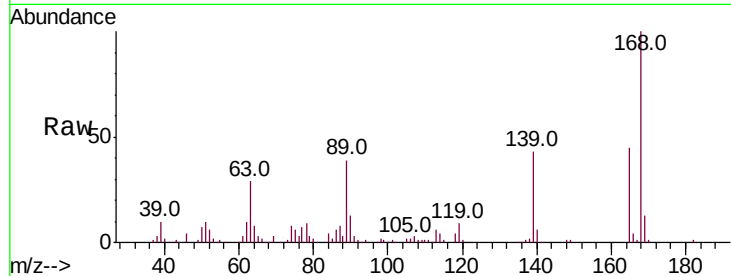
#57
 2,4-Dinitrotoluene
 Concen: 43.412 ng
 RT: 14.64 min Scan# 1981
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	64.6	29.6	44.4#	
89	87.5	49.5	74.3#	
182	2.5	2.4	3.6	

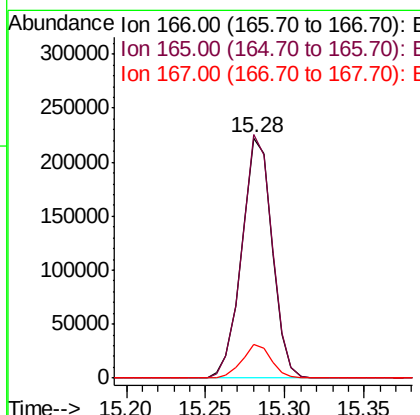
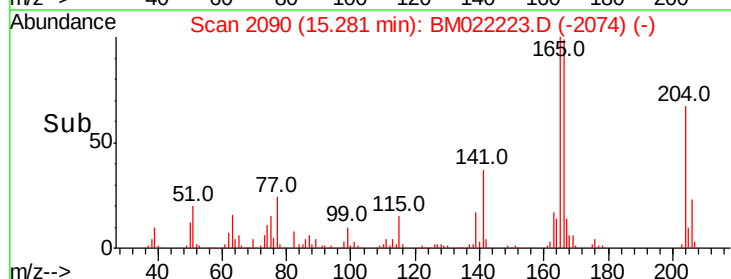
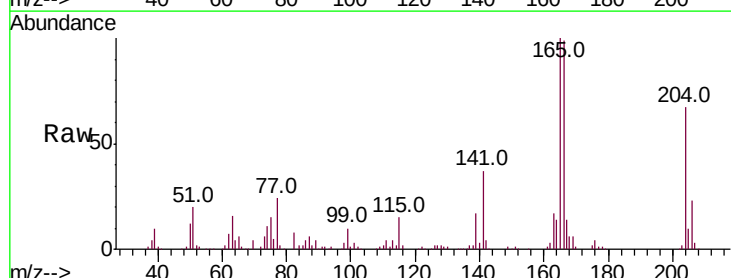
Manual Integrations
 APPROVED

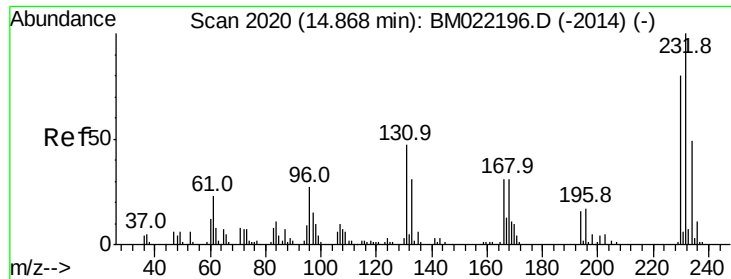
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#58
 Fluorene
 Concen: 44.726 ng
 RT: 15.28 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	101.4	78.6	117.8	
167	14.0	10.9	16.3	





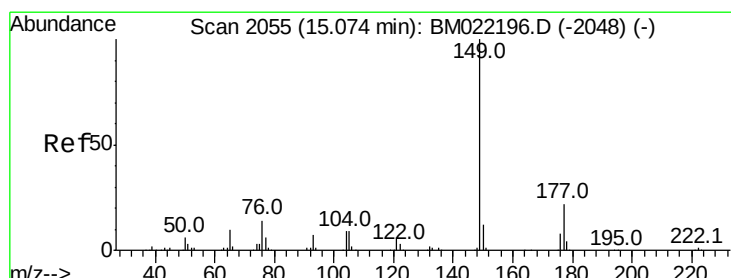
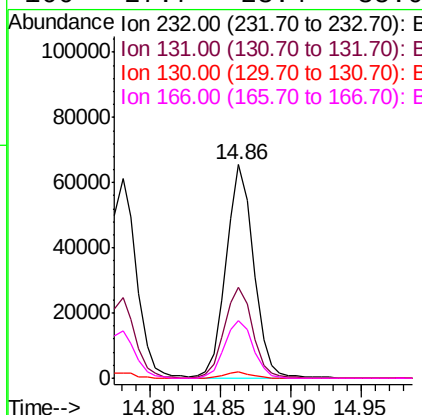
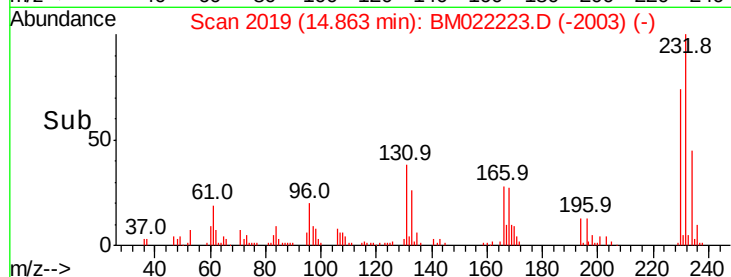
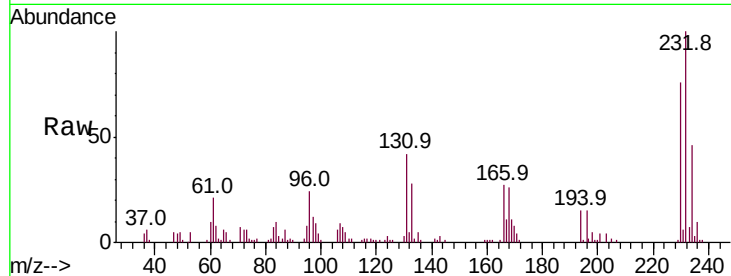
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 46.415 ng
 RT: 14.86 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	43.5	30.6	46.0
130	2.8	1.7	2.5
166	27.7	23.4	35.0

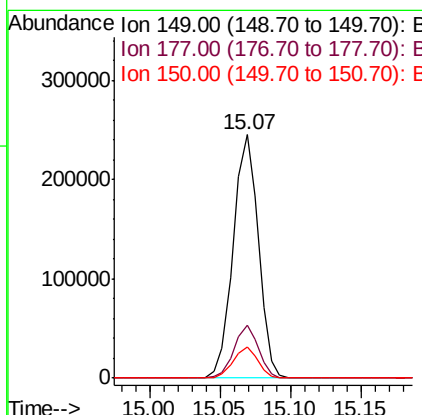
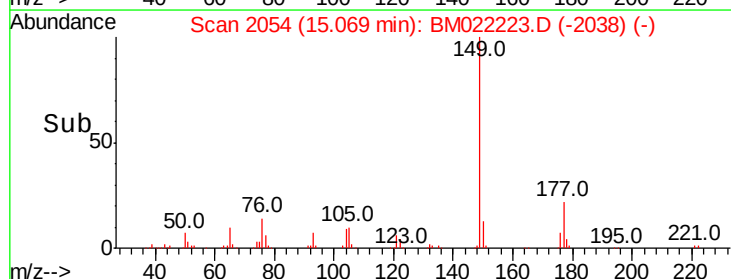
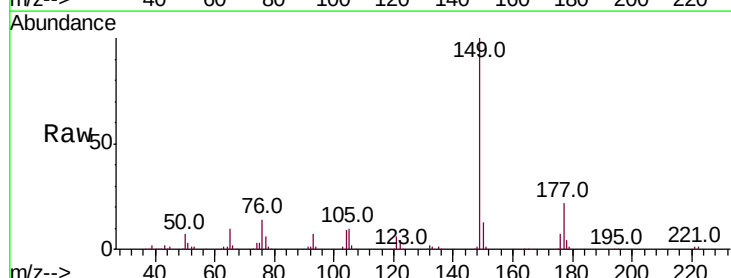
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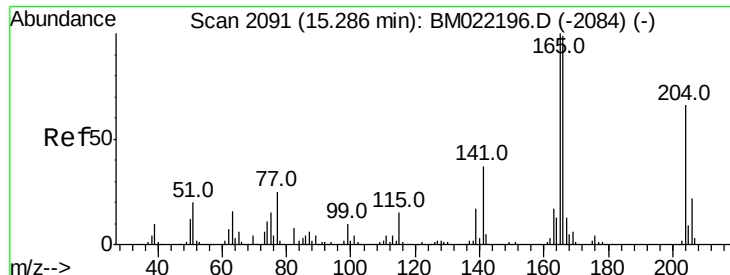
Jagrut
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#60
 Diethylphthalate
 Concen: 42.144 ng
 RT: 15.07 min Scan# 2054
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.5	19.1	28.7
150	12.9	10.1	15.1





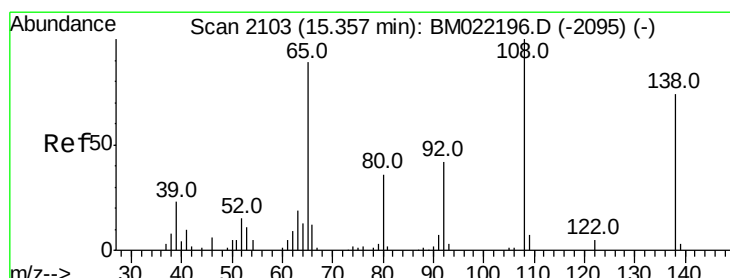
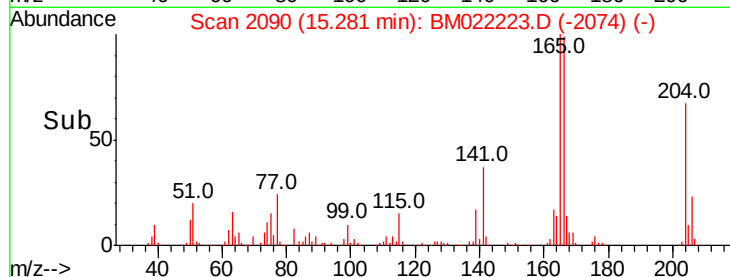
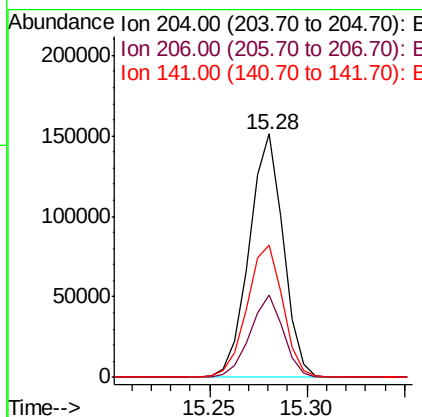
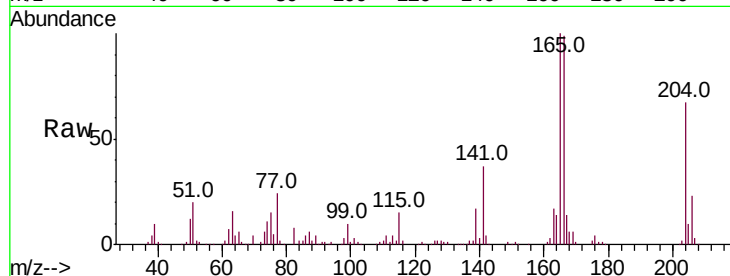
#61
 4-Chlorophenyl-phenylether
 Concen: 43.700 ng
 RT: 15.28 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100	182395		
206	33.6	26.1	39.1	
141	54.4	40.7	61.1	

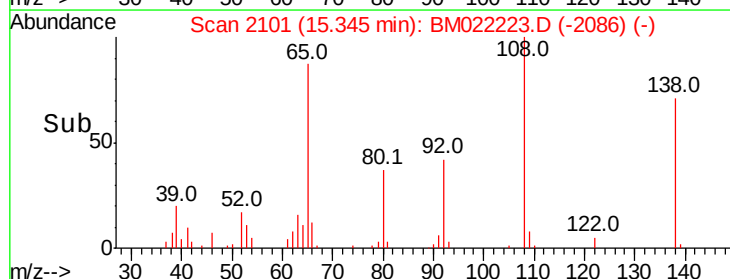
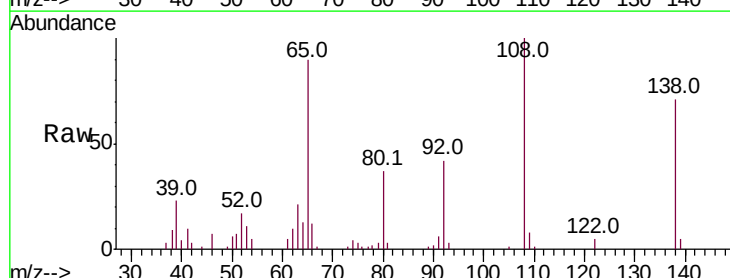
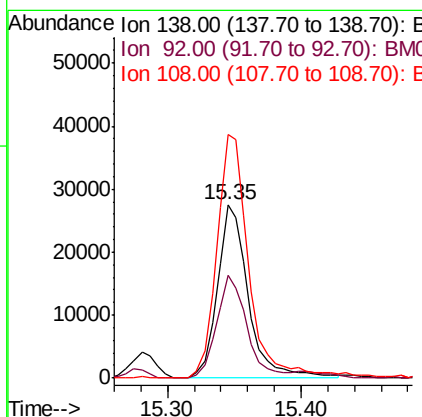
Manual Integrations
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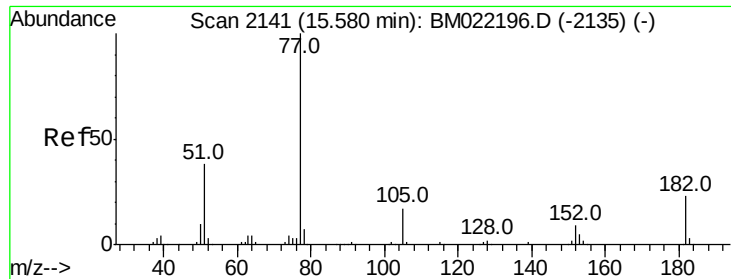
Jagrut
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#62
 4-Nitroaniline
 Concen: 35.954 ng
 RT: 15.35 min Scan# 2101
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	44931		
92	59.4	29.1	69.1	
108	140.3	59.2	99.2#	





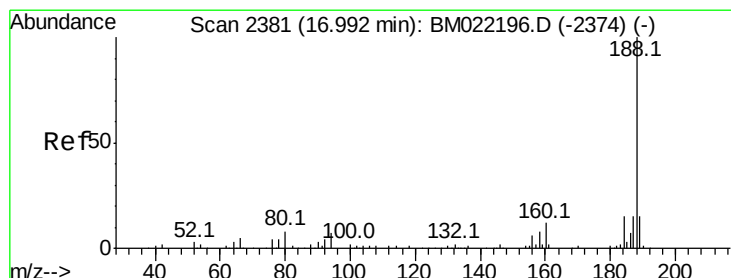
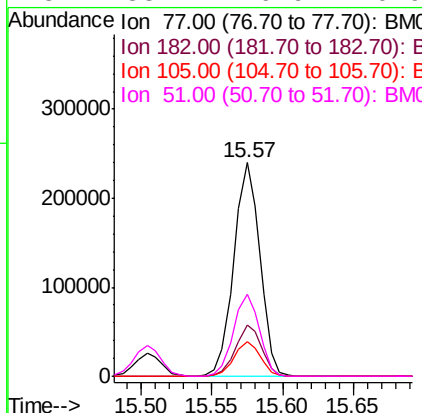
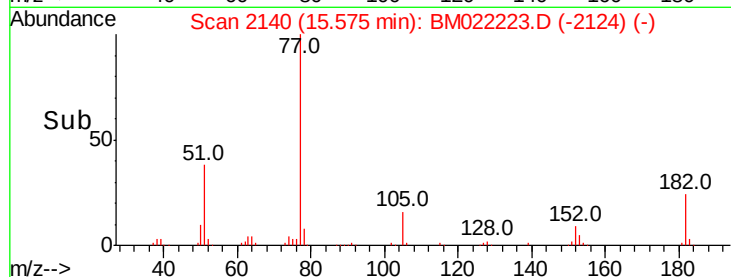
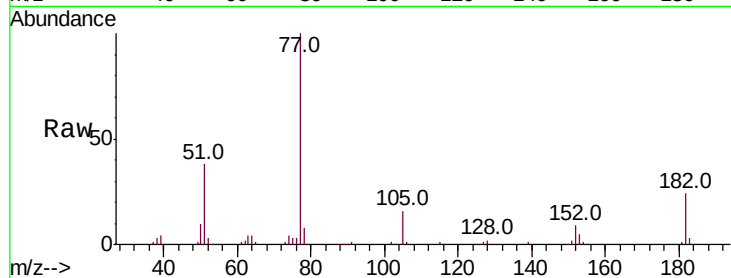
#63
Azobenzene
Concen: 44.214 ng
RT: 15.57 min Scan# 2140
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	24.1	12.6	52.6
105	16.2	1.1	41.1
51	38.1	6.9	46.9

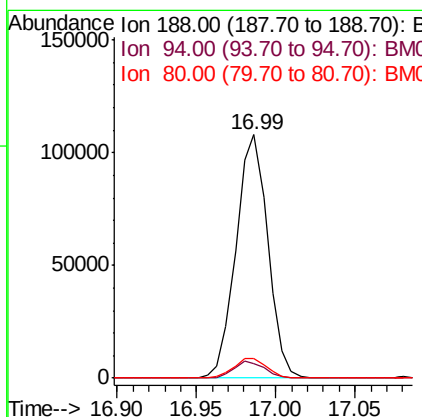
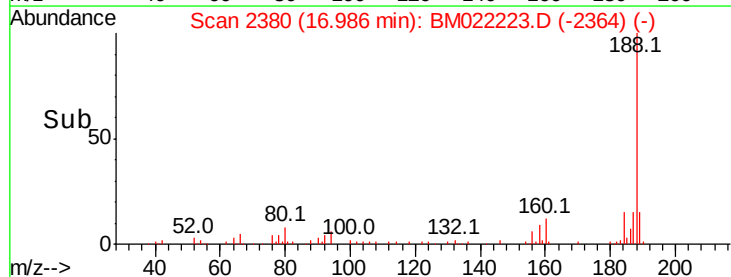
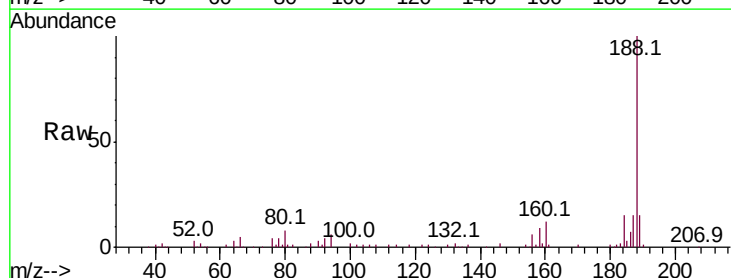
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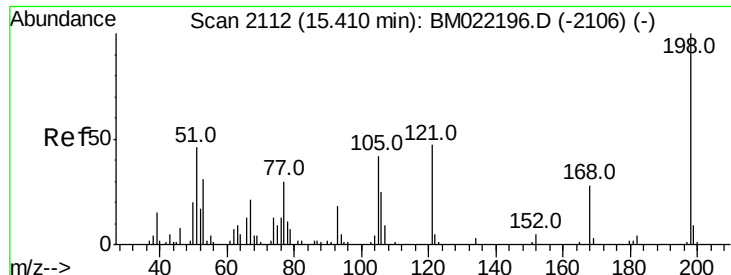
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.8	8.8
80	7.9	6.9	10.3





#65

4,6-Dinitro-2-methylphenol

Concen: 42.229 ng

RT: 15.40 min Scan# 2111

Delta R.T. -0.00 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Instrument :

BNA_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MSD

Tot Ion:198 Resp: 39972

Ion Ratio Lower Upper

198 100

51 46.5 15.3 55.3

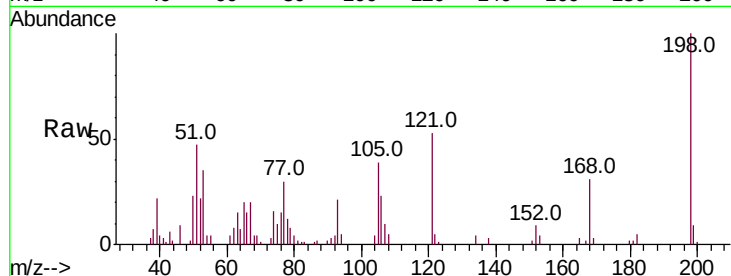
105 39.3 16.8 56.8

Manual Integrations

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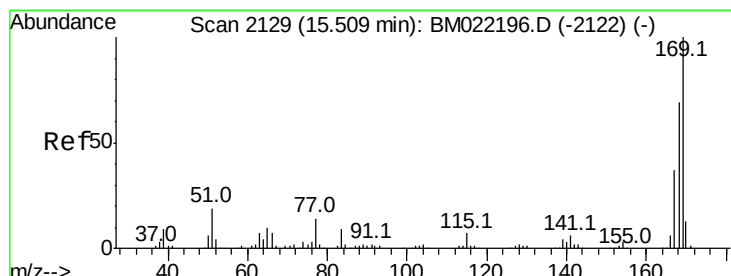
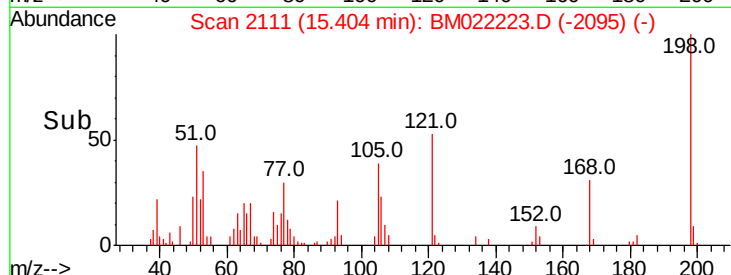
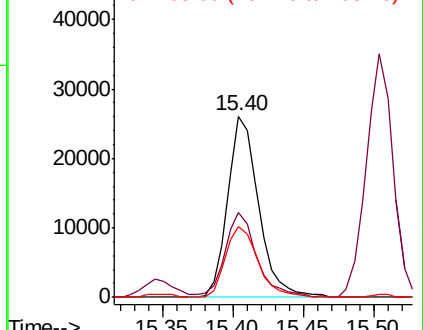
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 48.239 ng

RT: 15.50 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

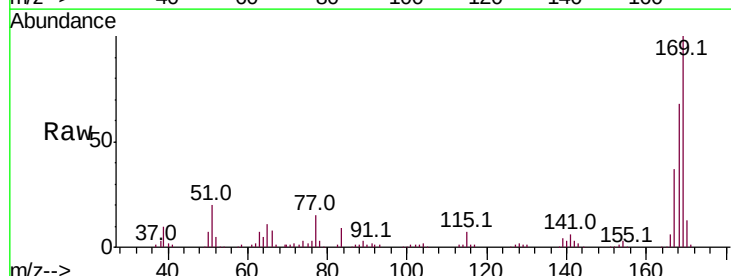
Tgt Ion:169 Resp: 231744

Ion Ratio Lower Upper

169 100

168 68.2 54.5 81.7

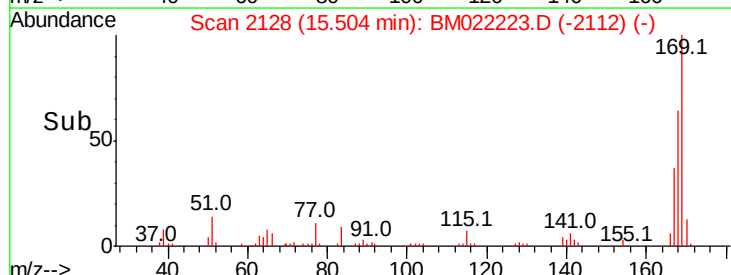
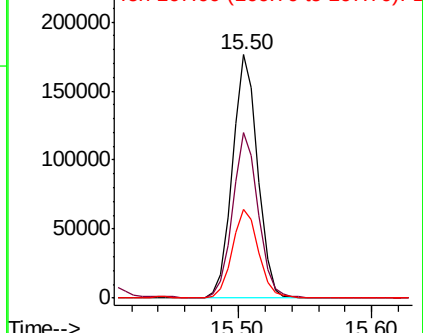
167 36.6 29.0 43.6

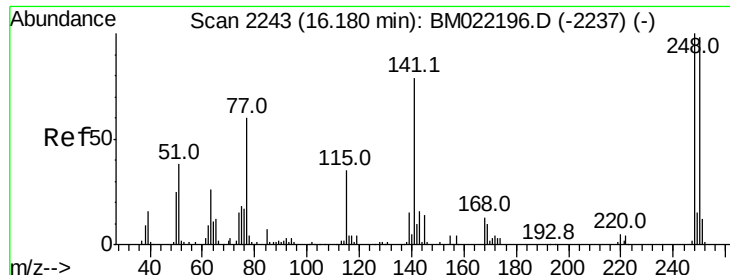


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 47.092 ng

RT: 16.17 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Instrument :

BNA_M

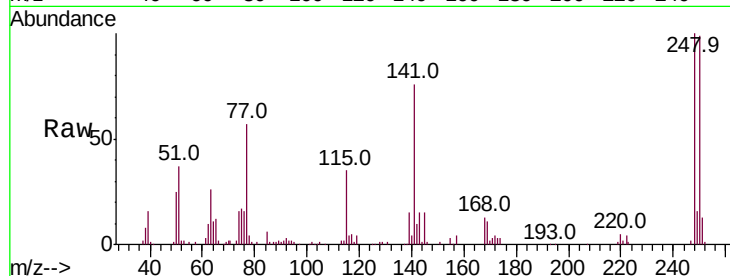
ClientSampleId :

REACTOR-3-C1-C4-(3)MSD

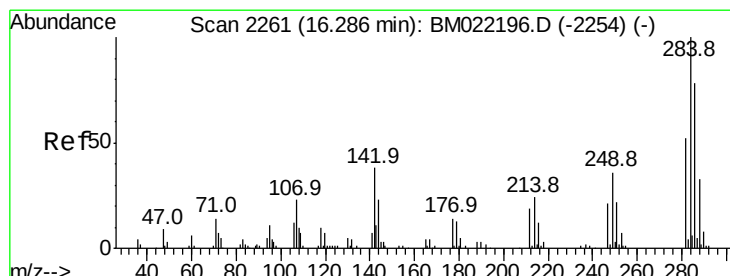
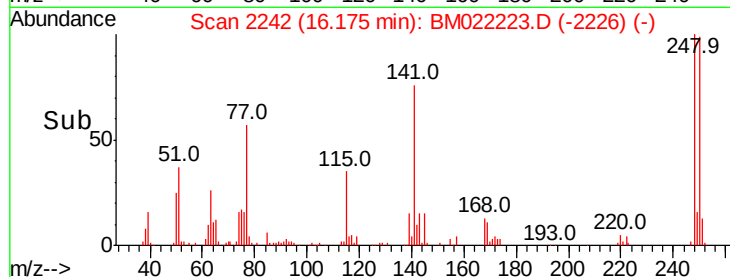
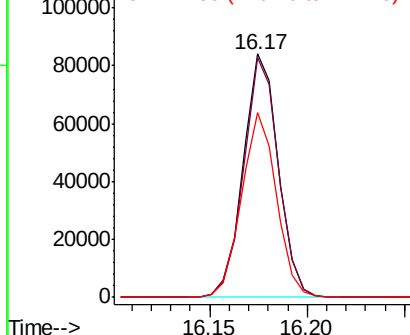
Tot Ion:	248	Resp:	104554
Ion Ratio	Lower	Upper	
248	100		
250	98.6	77.5	116.3
141	76.0	47.8	71.6

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Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 44.713 ng

RT: 16.28 min Scan# 2260

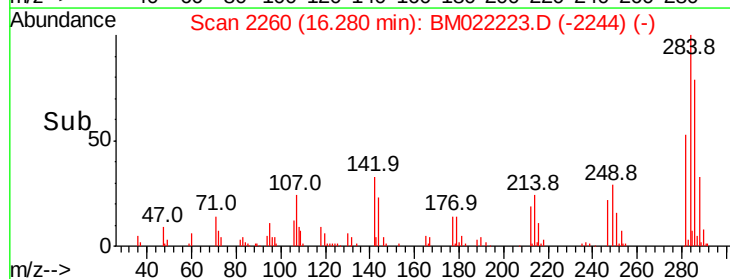
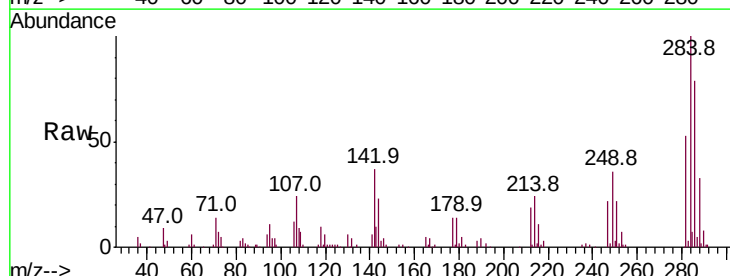
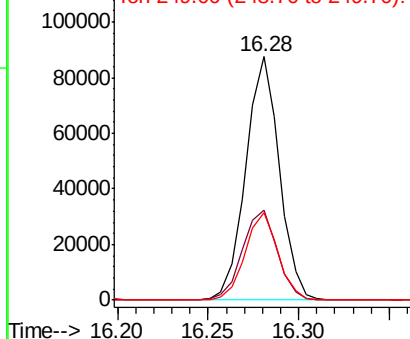
Delta R.T. -0.01 min

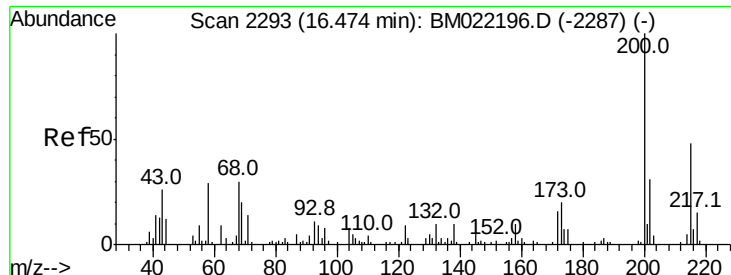
Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Tgt Ion:	284	Resp:	112781
Ion Ratio	Lower	Upper	
284	100		
142	37.1	21.2	31.8
249	35.7	23.4	35.0

Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





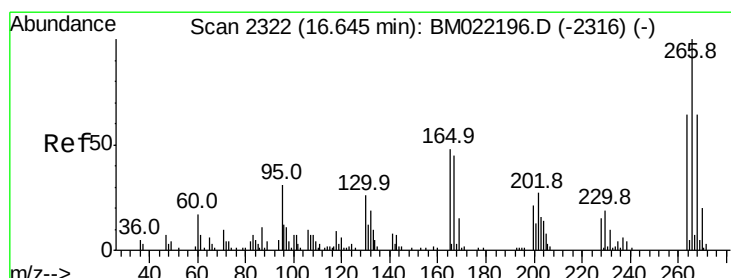
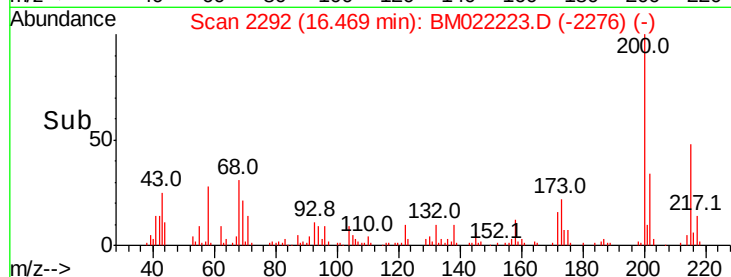
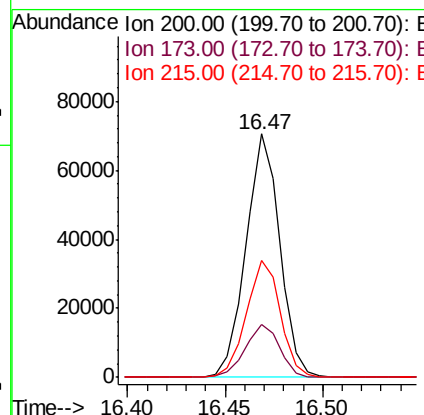
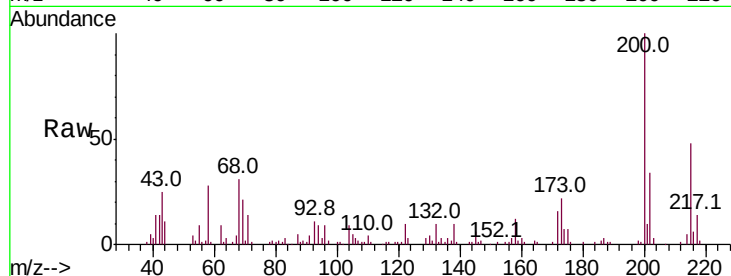
#69
 Atrazine
 Concen: 53.245 ng
 RT: 16.47 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	21.6	4.3	44.3
215	47.8	28.2	68.2

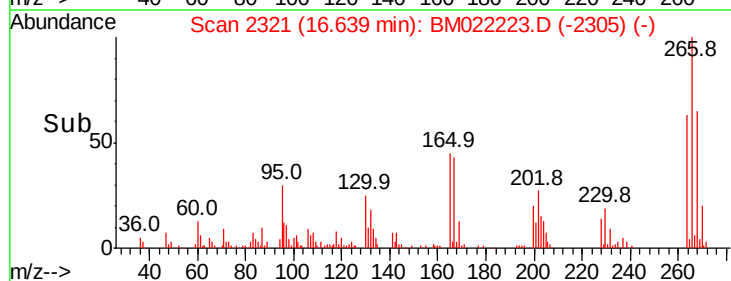
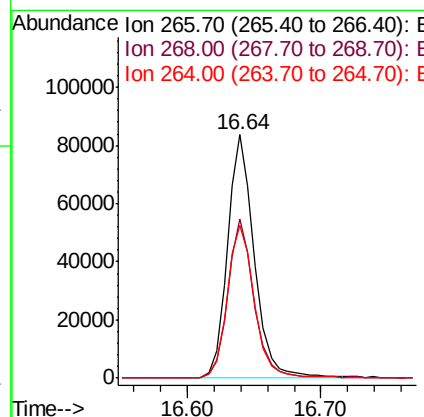
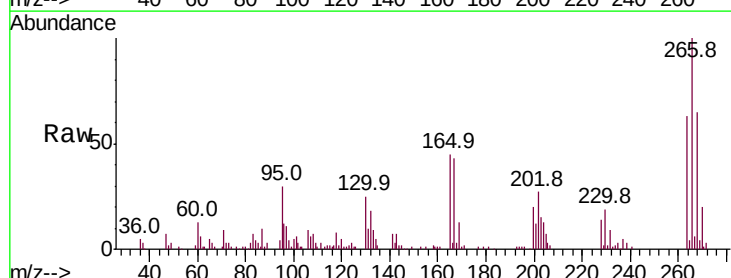
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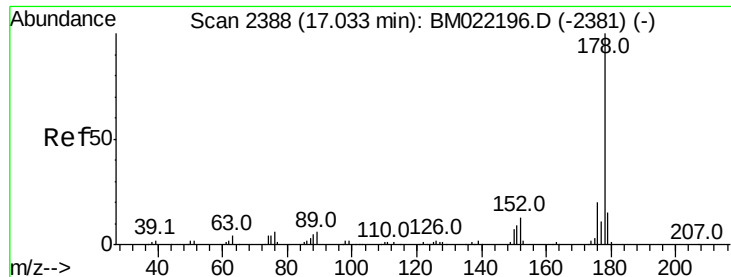
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 8/22/2019 2:00:03 PM



#70
 Pentachlorophenol
 Concen: 95.938 ng
 RT: 16.64 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.3	51.0	76.4
264	62.7	49.9	74.9





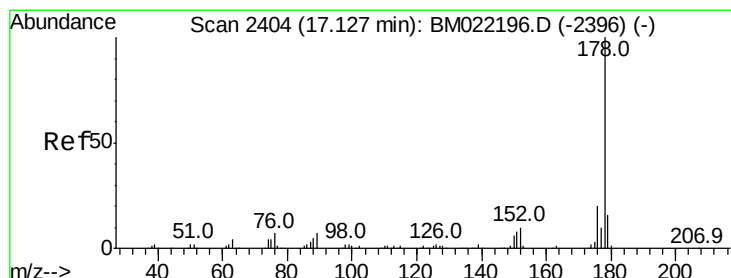
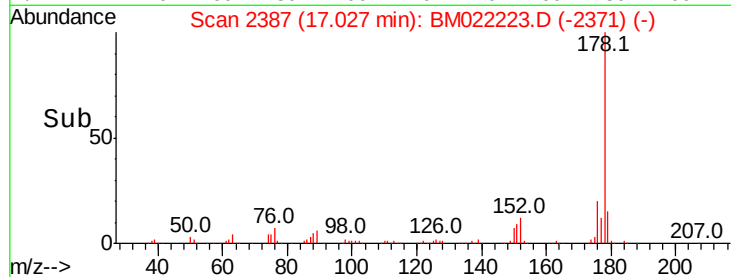
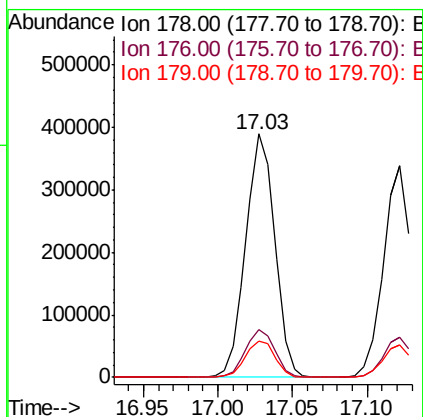
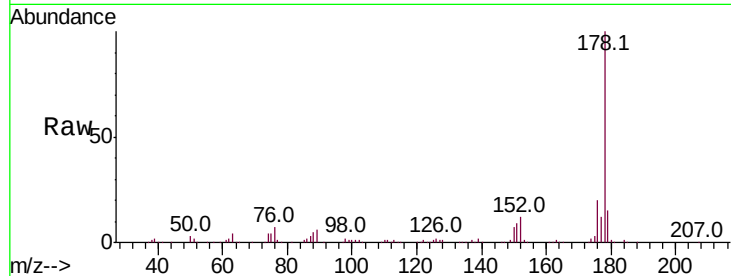
#71
 Phenanthrene
 Concen: 60.454 ng
 RT: 17.03 min Scan# 2387
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleID :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.2	22.8
179	15.1	12.2	18.4

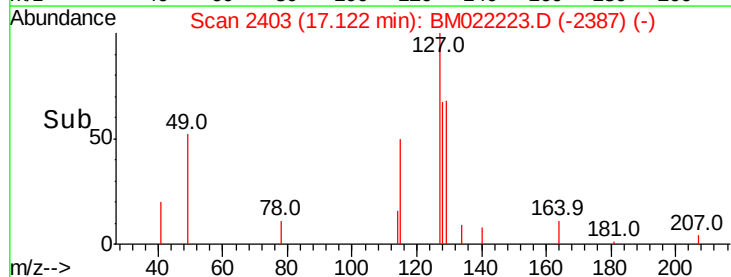
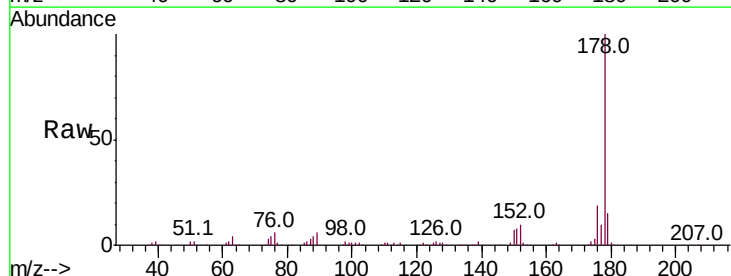
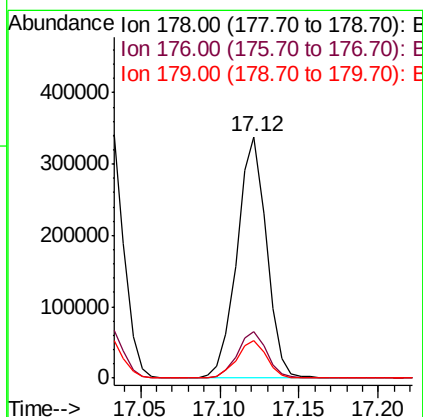
Manual Integrations
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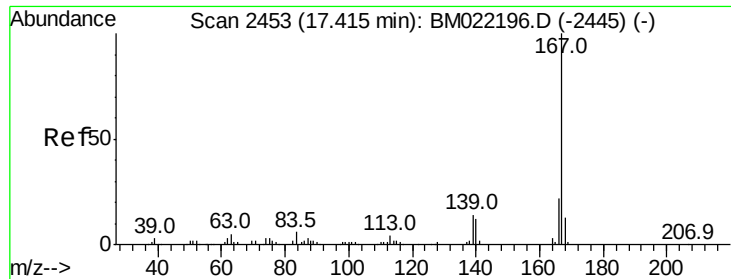
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#72
 Anthracene
 Concen: 50.337 ng
 RT: 17.12 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.7	22.1
179	15.4	12.2	18.2





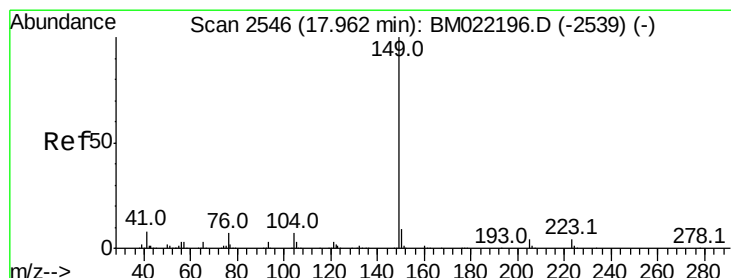
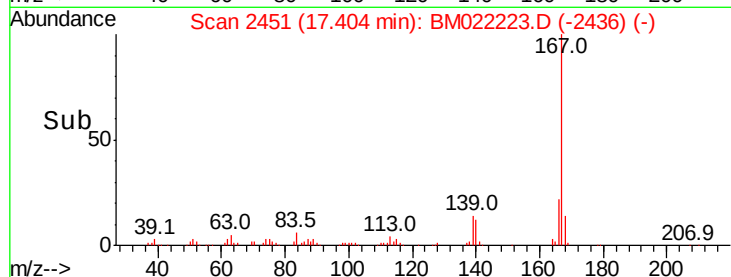
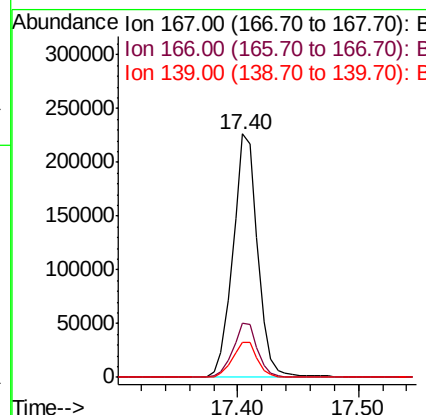
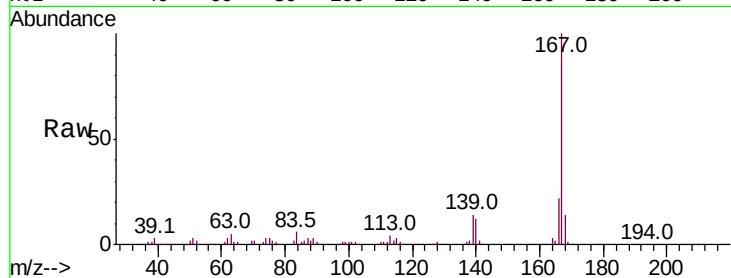
#73
 Carbazole
 Concen: 44.677 ng
 RT: 17.40 min Scan# 2451
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.4	26.2
139	14.3	9.7	14.5

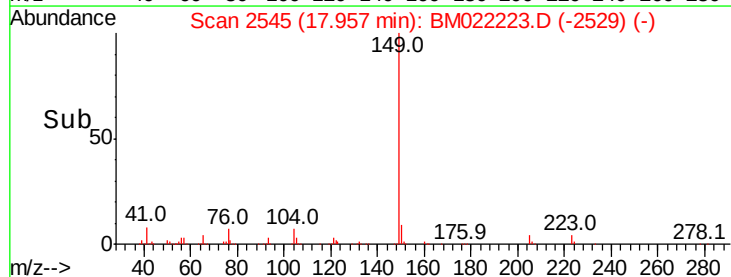
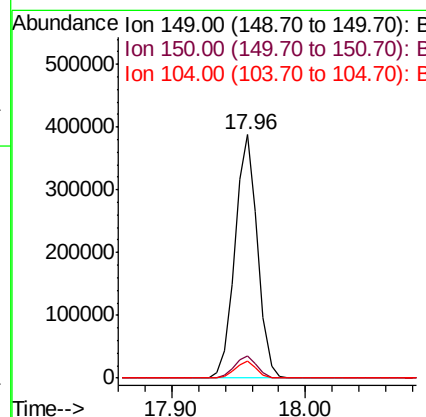
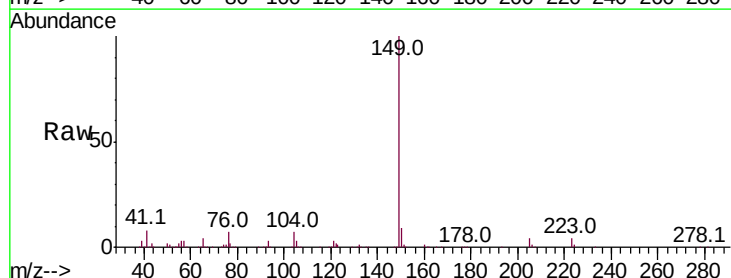
Manual Integrations
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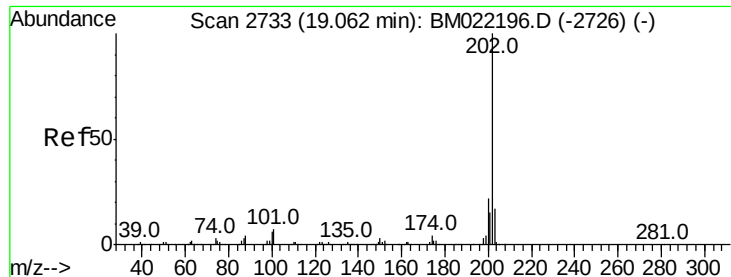
Jagrut
 8/22/2019 2:00:03 PM



#74
 Di-n-butylphthalate
 Concen: 41.888 ng
 RT: 17.96 min Scan# 2545
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	6.8	3.8	5.8





#75

Fluoranthene

Concen: 59.820 ng

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Instrument :

BNA_M

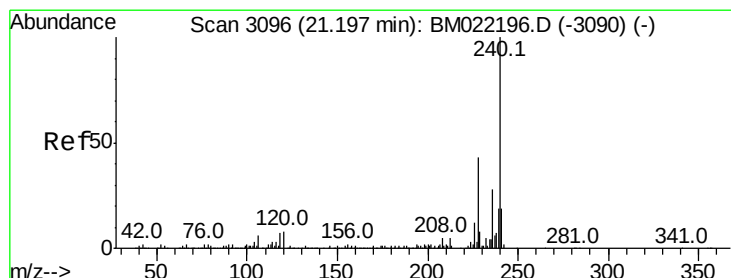
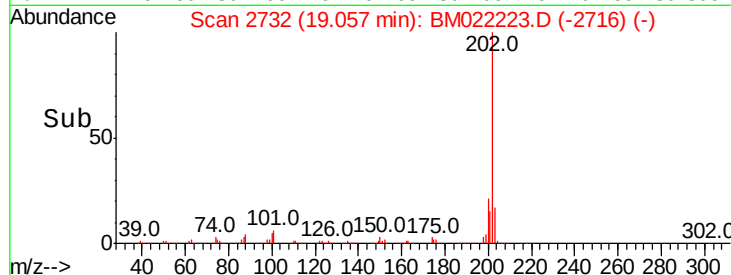
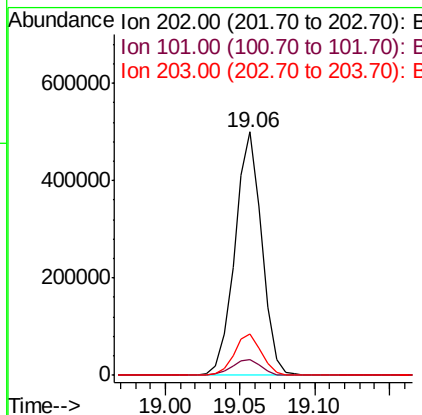
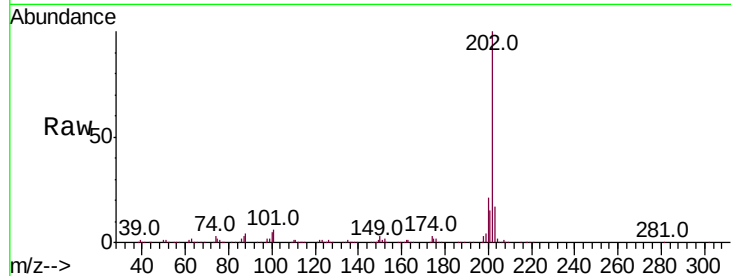
ClientSampleId :

REACTOR-3-C1-C4-(3)MSD

Tot Ion:	202	Resp:	626763
Ion Ratio		Lower	Upper
202	100		
101	6.3	0.0	28.2
203	17.2	0.0	37.6

Manual Integrations
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Jagrut
8/22/2019 2:00:03 PM



#76

Chrysene-d12

Concen: 20.000 ng

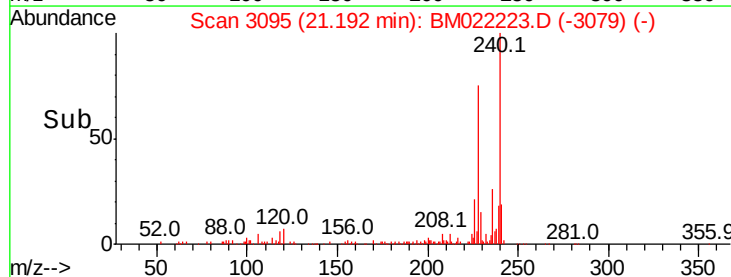
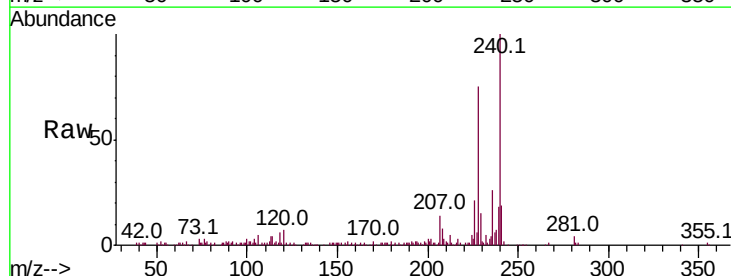
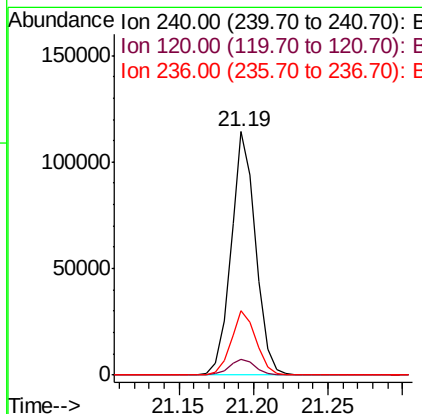
RT: 21.19 min Scan# 3095

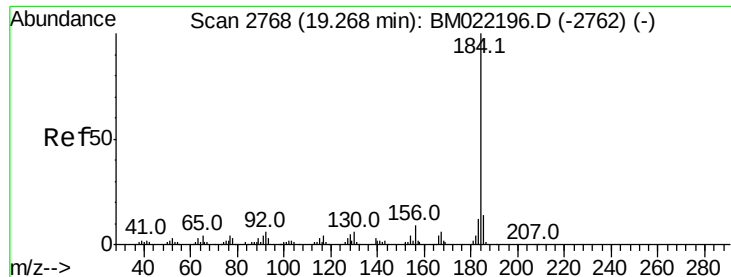
Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Tgt Ion:	240	Resp:	131660
Ion Ratio		Lower	Upper
240	100		
120	6.6	6.9	10.3#
236	26.4	20.4	30.6





#77

Benzidine

Concen: 57.310 ng

RT: 19.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Instrument :

BNA_M

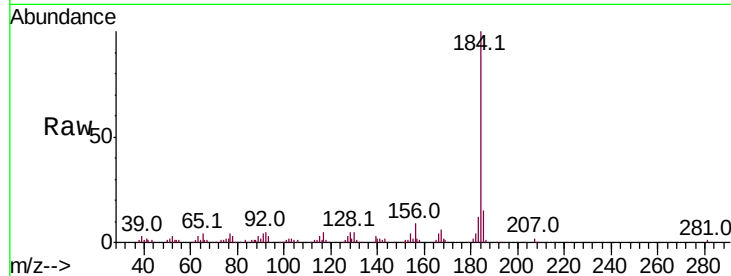
ClientSampleId :

REACTOR-3-C1-C4-(3)MSD

Tot Ion:	184	Resp:	169240
Ion Ratio	Lower	Upper	
184	100		
185	14.8	11.4	17.2
183	12.0	9.6	14.4

Manual Integrations
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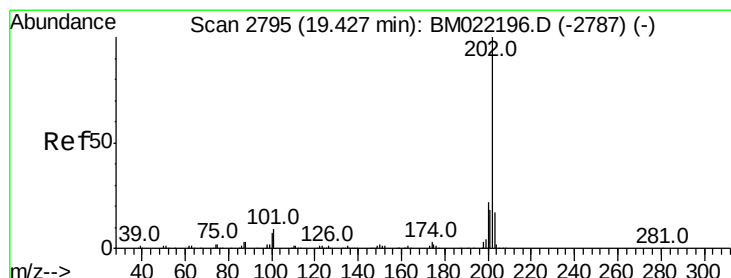
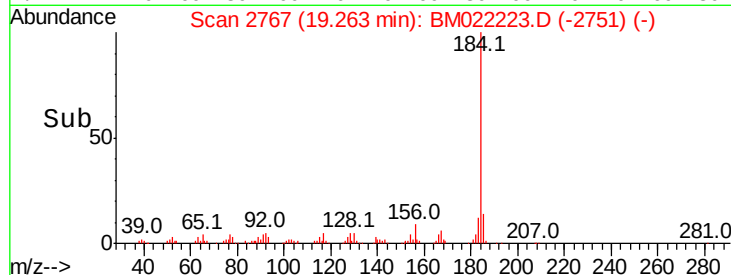
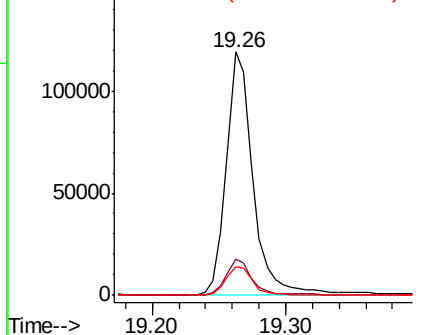


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 63.735 ng

RT: 19.42 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

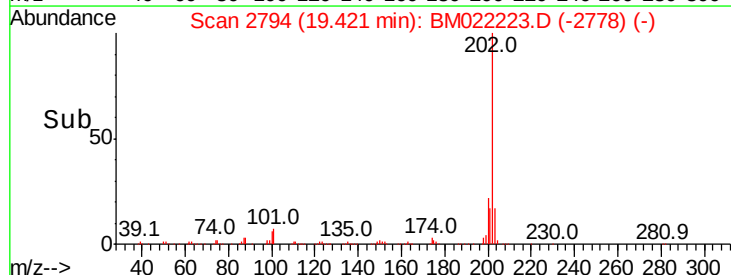
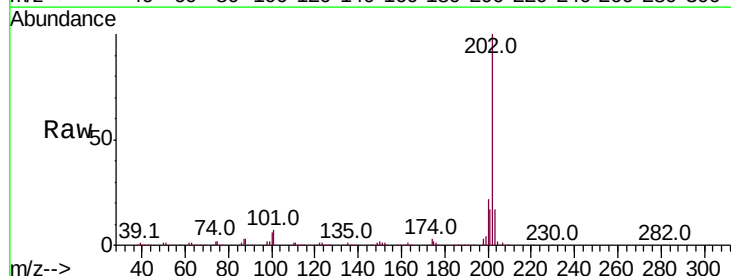
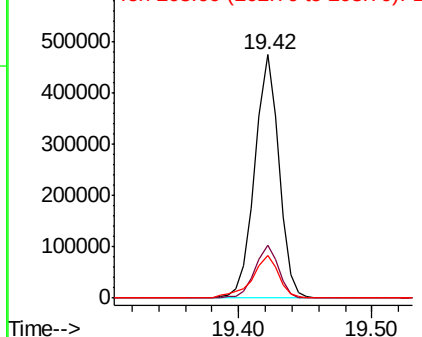
Tgt Ion:	202	Resp:	590650
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.0	25.4
203	17.4	14.0	21.0

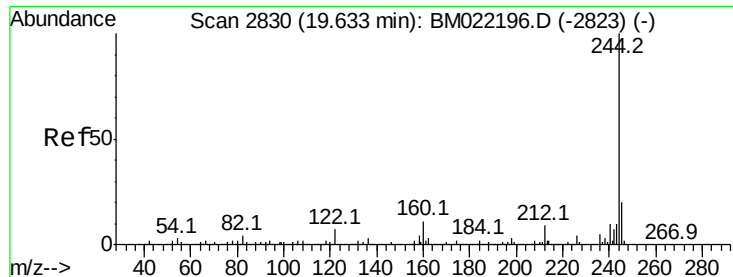
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 57.143 ng

RT: 19.63 min Scan# 2829

Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Instrument :

BNA_M

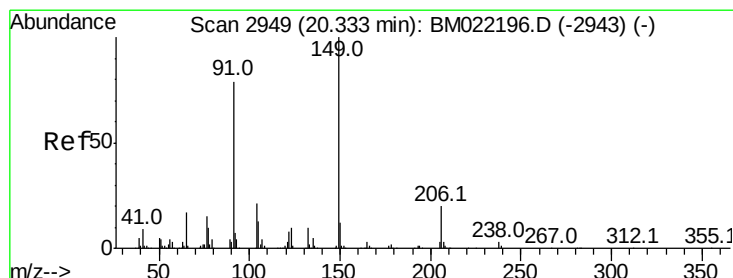
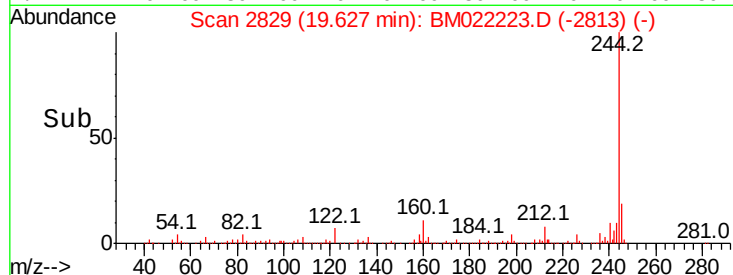
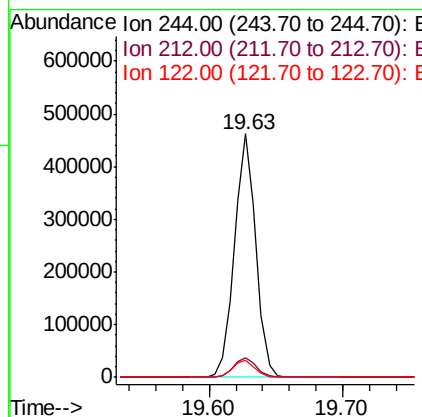
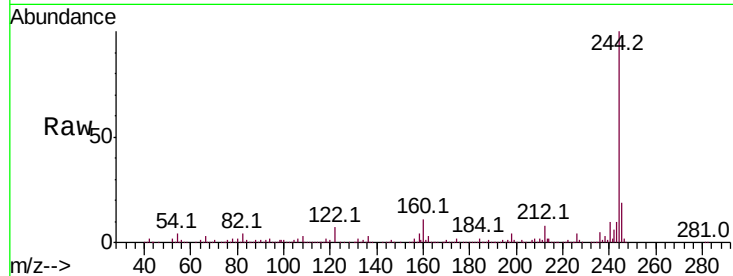
ClientSampleId :

REACTOR-3-C1-C4-(3)MSD

Tot Ion:	244	Resp:	516338
Ion Ratio	Lower	Upper	
244	100		
212	8.2	5.3	7.9#
122	6.8	6.6	9.8

Manual Integrations
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#80

Butylbenzylphthalate

Concen: 43.445 ng

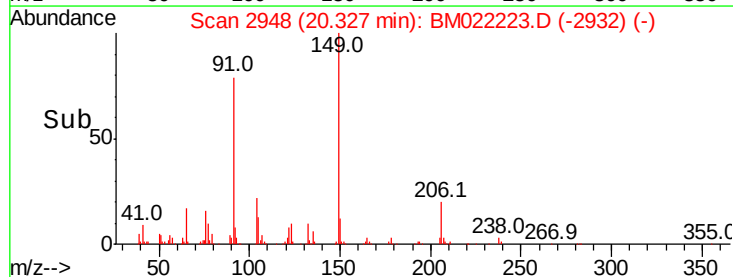
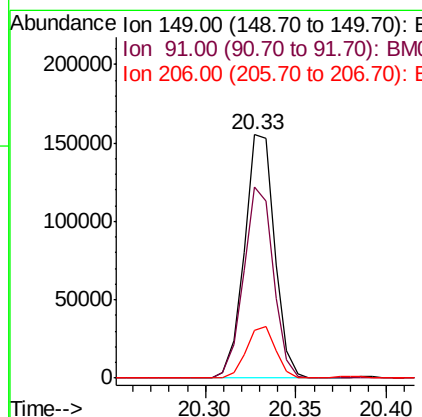
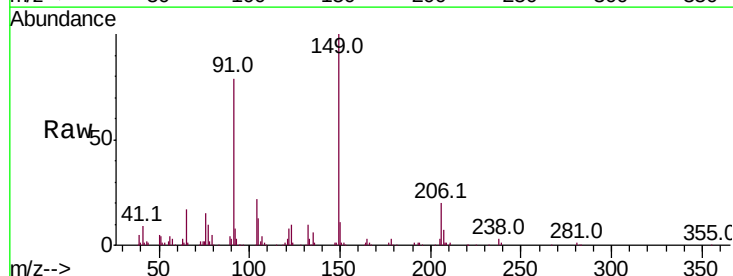
RT: 20.33 min Scan# 2948

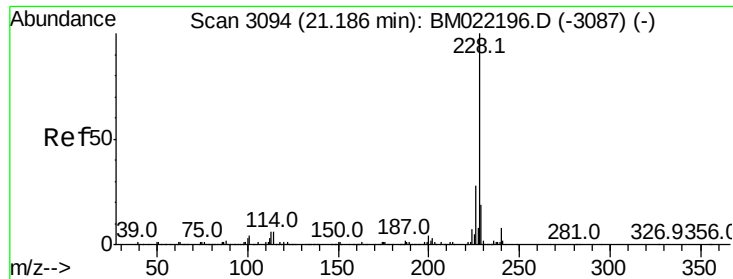
Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Tgt Ion:	149	Resp:	180082
Ion Ratio	Lower	Upper	
149	100		
91	78.6	50.9	76.3#
206	19.7	19.7	29.5





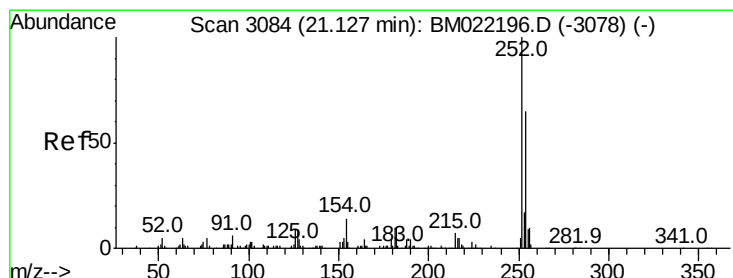
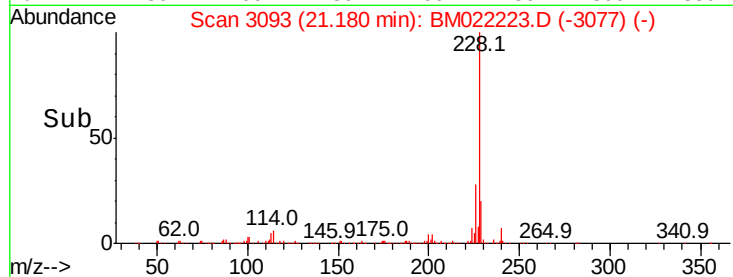
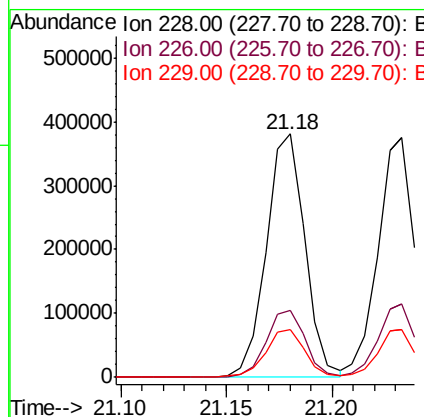
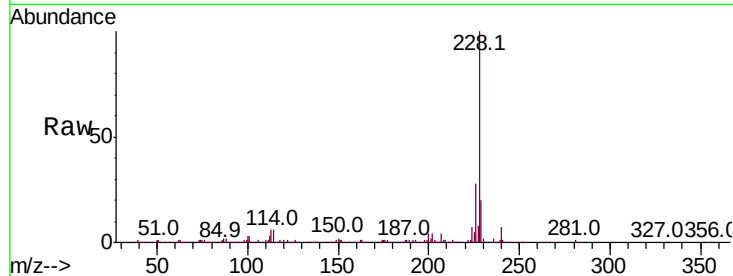
#81
Benzo(a)anthracene
Concen: 52.044 ng
RT: 21.18 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion:	228	Resp:	481880
Ion Ratio	Lower	Upper	
228	100		
226	27.5	21.6	32.4
229	19.7	15.5	23.3

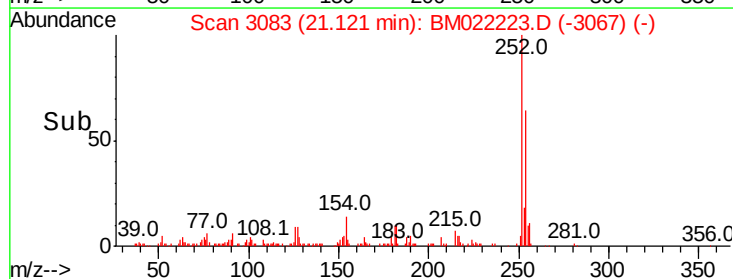
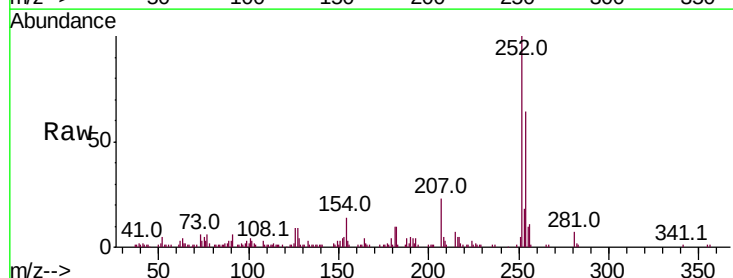
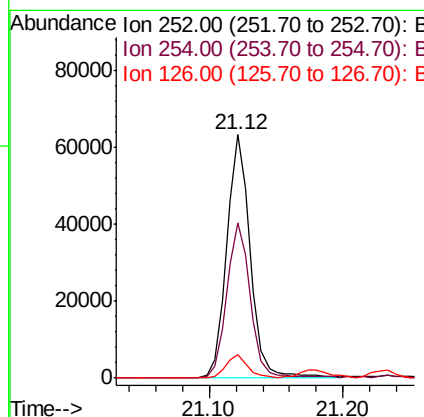
Manual Integrations
APPROVED

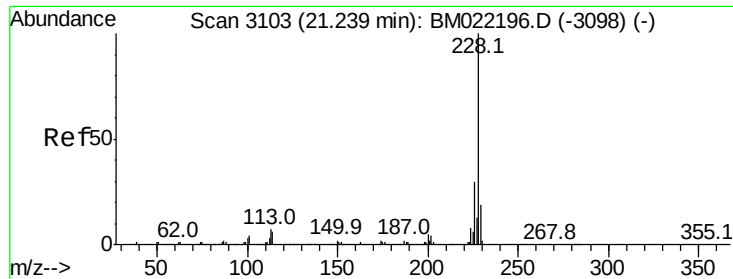
Jagrut
8/22/2019 2:00:03 PM



#82
3,3'-Dichlorobenzidine
Concen: 24.492 ng
RT: 21.12 min Scan# 3083
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion:	252	Resp:	79070
Ion Ratio	Lower	Upper	
252	100		
254	63.7	51.7	77.5
126	9.5	6.6	9.8





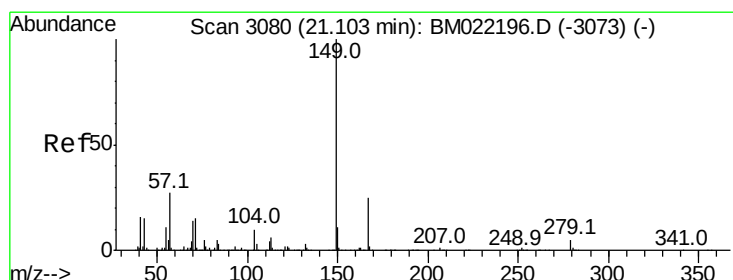
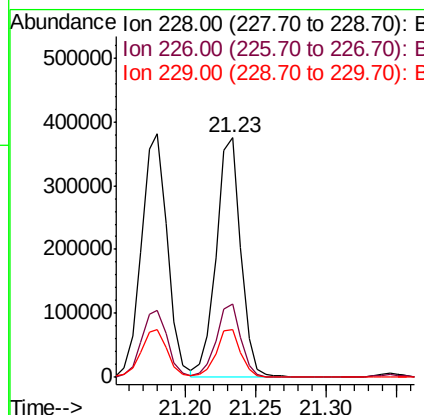
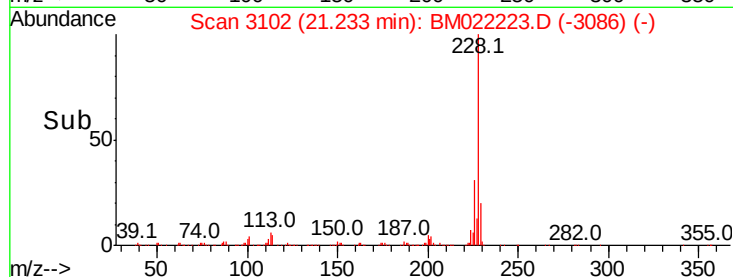
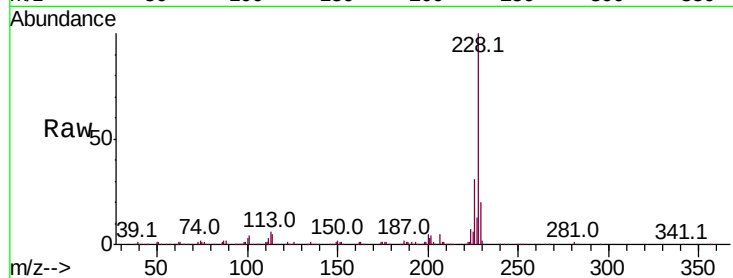
#83
 Chrysene
 Concen: 50.609 ng
 RT: 21.23 min Scan# 3102
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Instrument :
 BNA_M
 ClientSampleId :
 REACTOR-3-C1-C4-(3)MSD

Tot Ion:	228	Resp:	452352
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.1	36.1
229	19.8	15.6	23.4

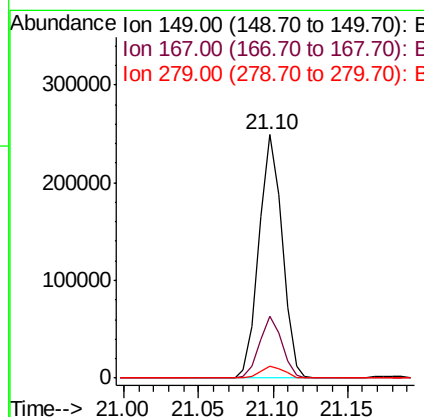
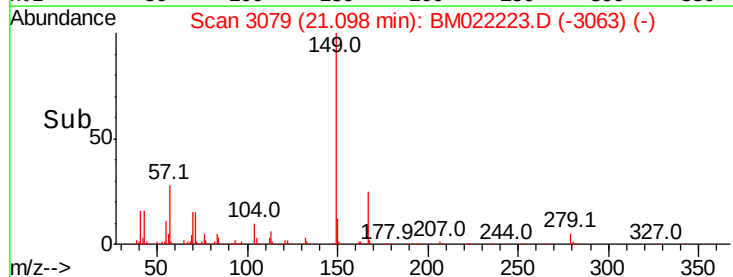
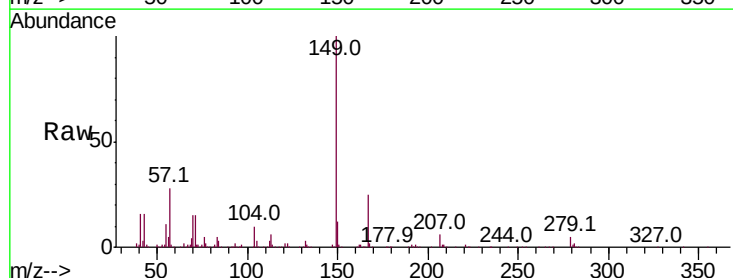
Manual Integrations
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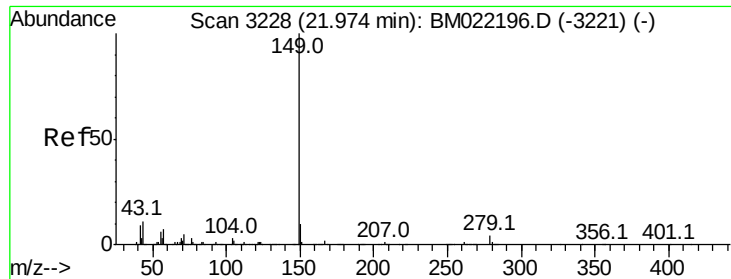
Jagrut
 8/22/2019 2:00:03 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.711 ng
 RT: 21.10 min Scan# 3079
 Delta R.T. -0.01 min
 Lab File: BM022223.D
 Acq: 21 Aug 2019 11:25

Tgt Ion:	149	Resp:	266249
Ion Ratio	Lower	Upper	
149	100		
167	25.2	23.0	34.4
279	4.7	4.6	7.0





#85

Di-n-octyl phthalate

Concen: 42.116 ng

RT: 21.97 min Scan# 3227

Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Instrument :

BNA_M

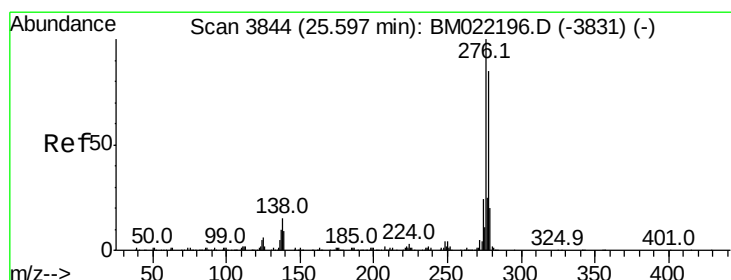
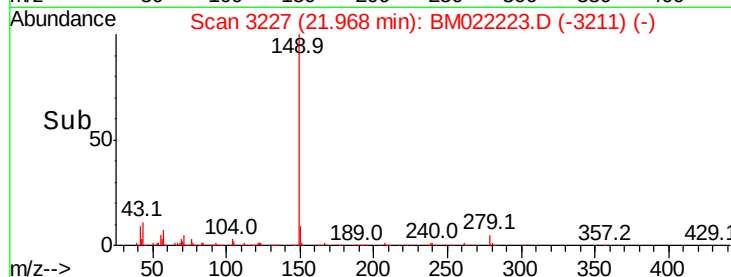
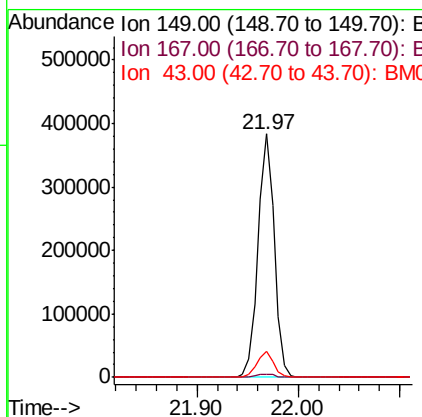
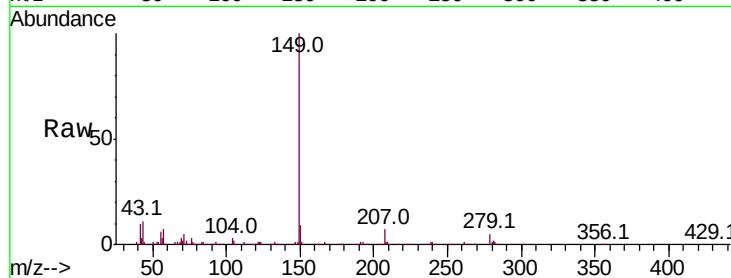
ClientSampleId :

REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.5	1.3	1.9	
43	10.7	6.2	9.2	

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 58.983 ng

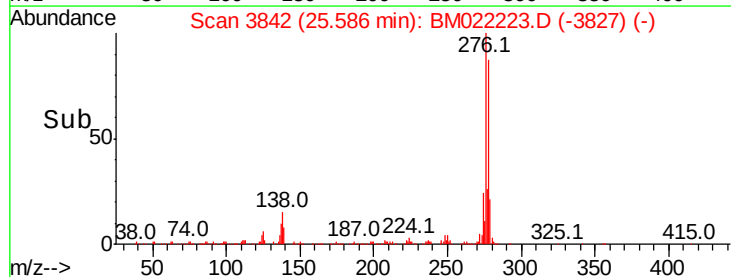
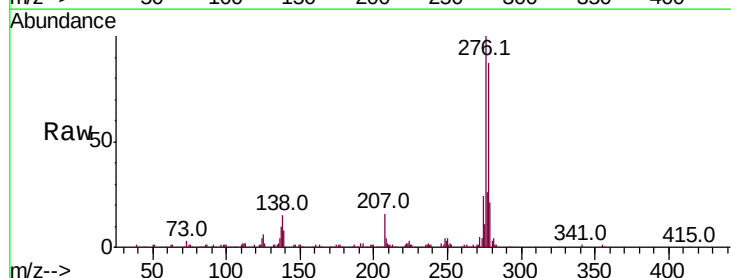
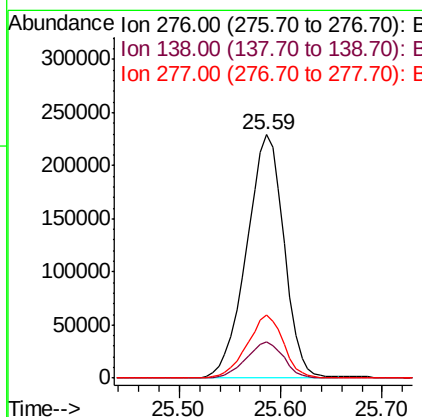
RT: 25.59 min Scan# 3842

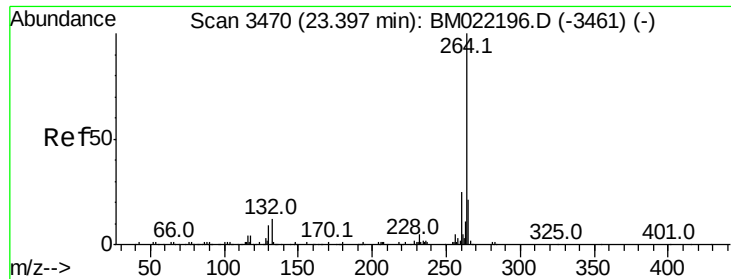
Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	15.0	15.4	23.0	
277	25.4	20.4	30.6	





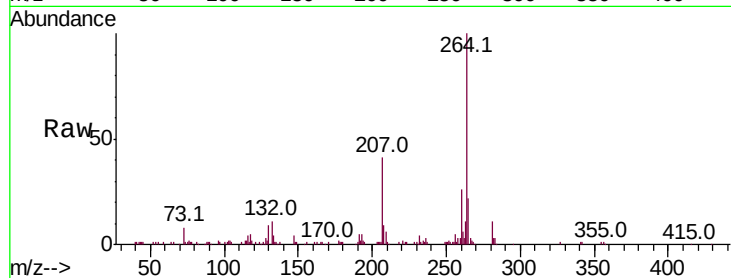
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.39 min Scan# 3468
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.0	28.4
265	22.2	17.7	26.5

Manual Integrations
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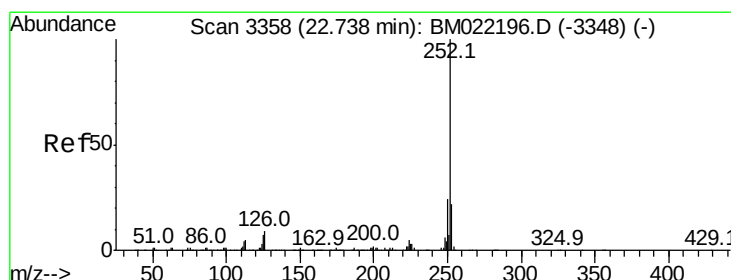
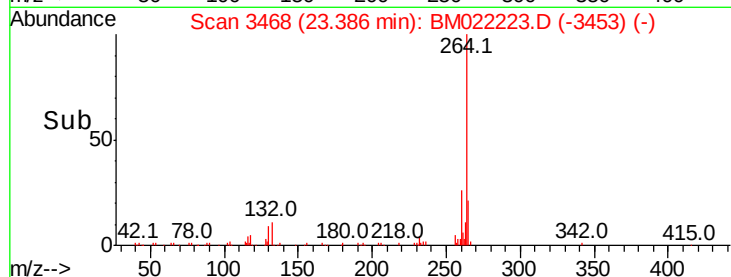
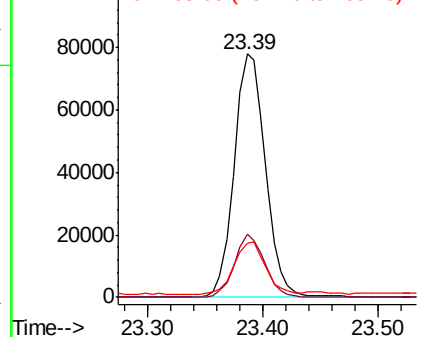


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 49.974 ng
RT: 22.73 min Scan# 3357
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

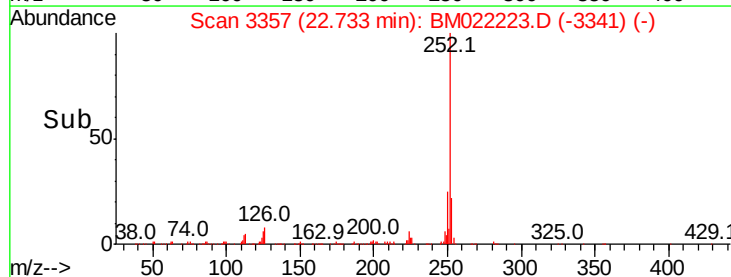
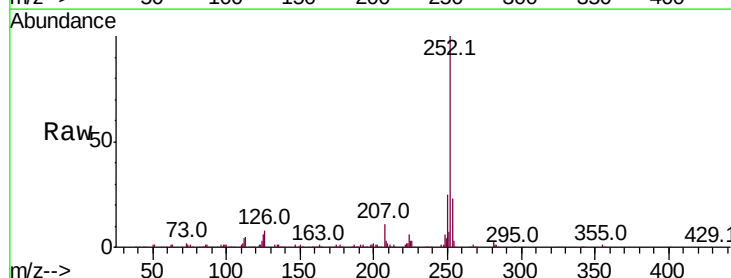
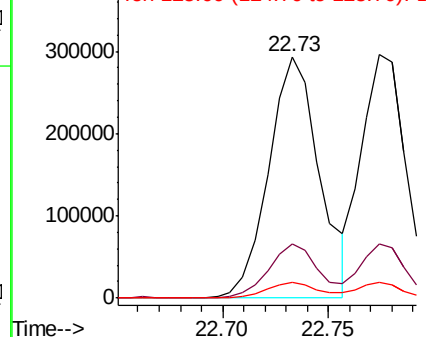
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	6.3	5.9	8.9

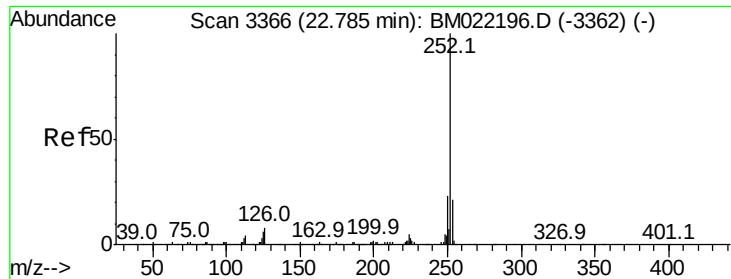
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





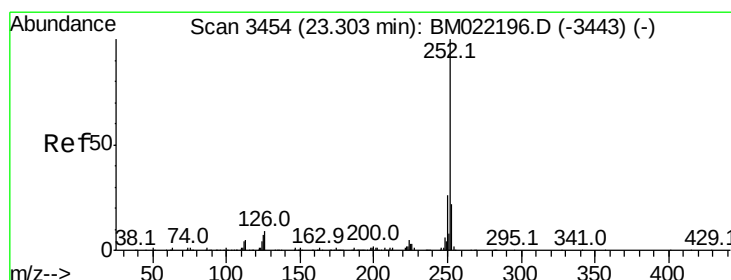
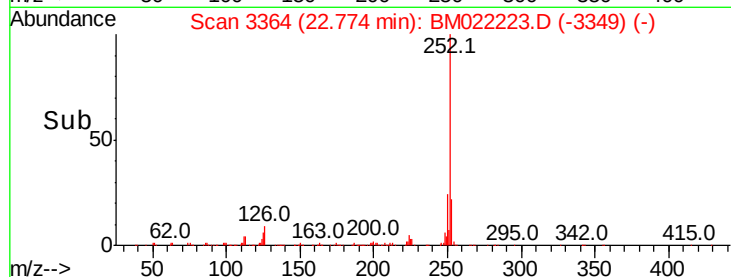
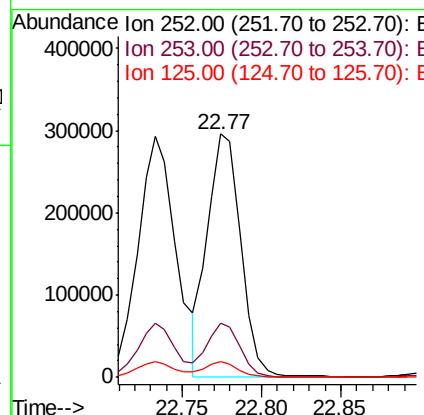
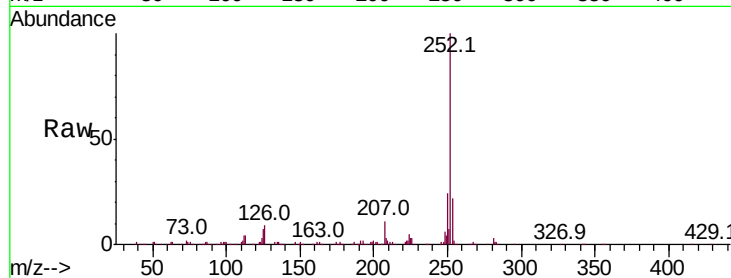
#89
Benzo(k)fluoranthene
Concen: 45.204 ng
RT: 22.77 min Scan# 3364
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	6.5	5.9	8.9

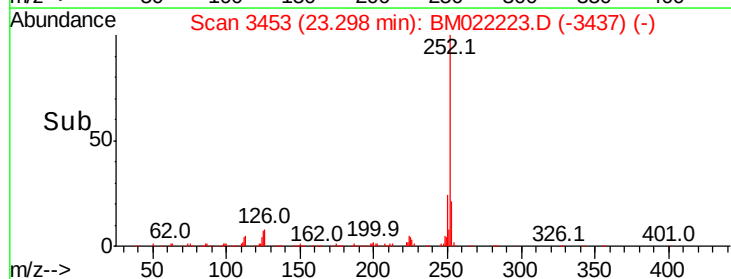
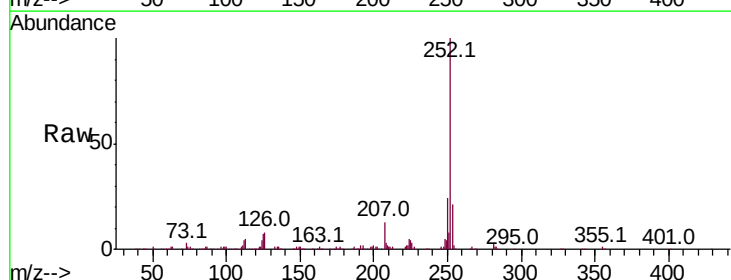
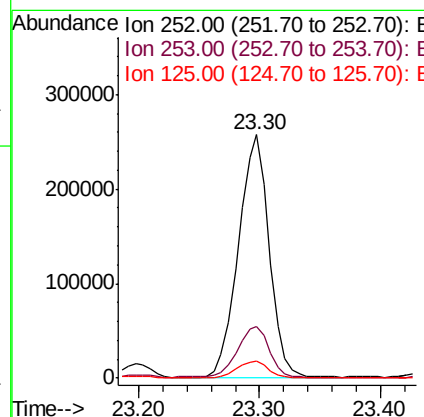
Manual Integrations
APPROVED

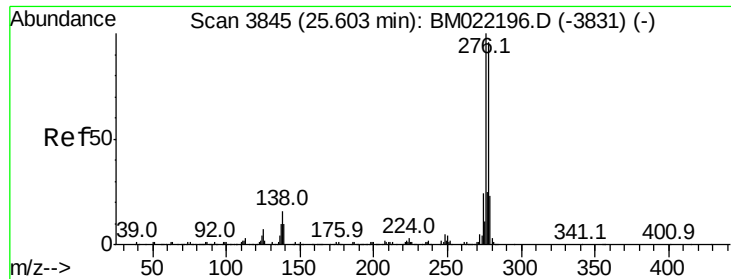
Jagrut
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#90
Benzo(a)pyrene
Concen: 51.129 ng
RT: 23.30 min Scan# 3453
Delta R.T. -0.01 min
Lab File: BM022223.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.5	26.3
125	6.9	6.6	10.0





#91

Dibenzo(a,h)anthracene

Concen: 51.016 ng

RT: 25.59 min Scan# 3843

Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Instrument :

BNA_M

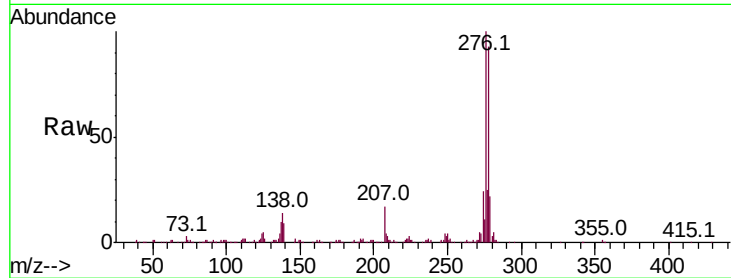
ClientSampleId :

REACTOR-3-C1-C4-(3)MSD

Tot Ion:	278	Resp:	482428
Ion Ratio	Lower	Upper	
278	100		
139	9.6	9.8	14.8#
279	23.5	18.7	28.1

Manual Integrations
APPROVED

Jagrut
8/22/2019 2:00:03 PM

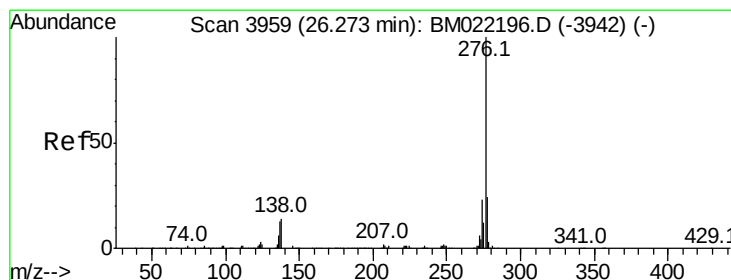
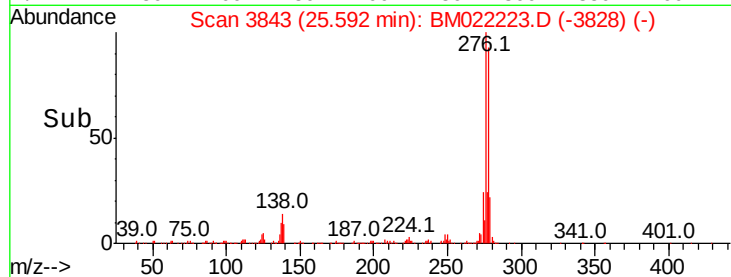
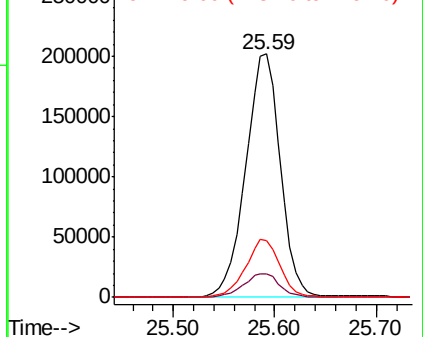


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 56.069 ng

RT: 26.26 min Scan# 3957

Delta R.T. -0.01 min

Lab File: BM022223.D

Acq: 21 Aug 2019 11:25

Tgt Ion:	276	Resp:	463545
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.8	28.2
138	13.7	13.1	19.7

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

