

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116700.D
 Acq On : 31 Aug 2019 15:39
 Operator : HP/JU
 Sample : K4646-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S602A-M-1.0-1.5-083019MSD

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:23:34 AM

Quant Time: Aug 31 17:53:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	105582	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	413585	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	212261	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	337443	20.00	ng	0.00
76) Chrysene-d12	14.00	240	207407	20.00	ng	0.00
87) Perylene-d12	15.44	264	255839	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	858045	131.66	ng	0.00
7) Phenol-d6	6.48	99	1180312	137.92	ng	0.00
23) Nitrobenzene-d5	7.41	82	738317	101.91	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	225749	159.09	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1099407	87.37	ng	0.00
79) Terphenyl-d14	12.94	244	912314	81.37	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.60	88	118228	39.298	ng	99
3) Pyridine	3.36	79	303781	34.874	ng	94
4) n-Nitrosodimethylamine	3.29	42	129440	43.274	ng	# 77
6) Aniline	6.51	93	384376	32.429	ng	98
8) 2-Chlorophenol	6.63	128	344022	48.356	ng	93
9) Benzaldehyde	6.39	77	245639	43.569	ng	99
10) Phenol	6.49	94	462911	48.850	ng	98
11) bis(2-Chloroethyl)ether	6.59	93	334579	45.344	ng	99
12) 1,3-Dichlorobenzene	6.79	146	352072	43.786	ng	97
13) 1,4-Dichlorobenzene	6.87	146	356097	44.483	ng	99
14) 1,2-Dichlorobenzene	7.02	146	337558	45.501	ng	97
15) Benzyl Alcohol	6.99	79	326984	47.071	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.13	45	371591	42.924	ng	99
17) 2-Methylphenol	7.10	107	293792	47.173	ng	97
18) Hexachloroethane	7.36	117	136411	43.860	ng	90
19) n-Nitroso-di-n-propylamine	7.26	70	252840	44.872	ng	91
20) 3+4-Methylphenols	7.25	107	355443	49.085	ng	# 86
22) Acetophenone	7.26	105	480628	48.270	ng	# 93
24) Nitrobenzene	7.43	77	387874	52.641	ng	96
25) Isophorone	7.67	82	707439	48.189	ng	99
26) 2-Nitrophenol	7.75	139	171889	62.747	ng	94
27) 2,4-Dimethylphenol	7.78	122	311710	56.342	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	432092	48.165	ng	98
29) 2,4-Dichlorophenol	7.99	162	282665	53.164	ng	97
30) 1,2,4-Trichlorobenzene	8.07	180	273735	47.467	ng	99
31) Naphthalene	8.15	128	981404	49.903	ng	99
32) Benzoic acid	7.89	122	138561	44.356	ng	98
33) 4-Chloroaniline	8.19	127	157261	17.567	ng	97
34) Hexachlorobutadiene	8.27	225	147244	46.828	ng	100
35) Caprolactam	8.56	113	102993m	51.761	ng	
36) 4-Chloro-3-methylphenol	8.68	107	331244	54.206	ng	97
37) 2-Methylnaphthalene	8.85	142	673352	51.459	ng	97
38) 1-Methylnaphthalene	8.95	142	629327	50.948	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.01	216	247136	48.570	ng	# 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	207993	70.786	nq	99
43) 2,4,6-Trichlorophenol	9.12	196	186171	53.375	nq	97
44) 2,4,5-Trichlorophenol	9.16	196	198127	54.714	nq	# 93
46) 1,1'-Biphenyl	9.30	154	789595	49.023	nq	98
47) 2-Chloronaphthalene	9.33	162	628233	49.246	nq	98
48) 2-Nitroaniline	9.42	65	204320	55.400	nq	99
49) Acenaphthylene	9.75	152	996420	51.671	nq	99
50) Dimethylphthalate	9.60	163	829939	56.634	nq	99
51) 2,6-Dinitrotoluene	9.66	165	165090	59.046	nq	96
52) Acenaphthene	9.92	154	617177	52.088	nq	99
53) 3-Nitroaniline	9.83	138	110047	31.407	nq	92
54) 2,4-Dinitrophenol	9.93	184	77388	78.231	nq	# 89
55) Dibenzofuran	10.09	168	853171	51.078	nq	99
56) 4-Nitrophenol	9.99	139	284455	118.397	nq	94
57) 2,4-Dinitrotoluene	10.07	165	218079	63.789	nq	92
58) Fluorene	10.43	166	659976	51.855	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	152019	58.168	nq	97
60) Diethylphthalate	10.30	149	739091	50.349	nq	98
61) 4-Chlorophenyl-phenylether	10.42	204	282285	50.650	nq	93
62) 4-Nitroaniline	10.45	138	175057	51.481	nq	94
63) Azobenzene	10.58	77	783453	51.185	nq	95
65) 4,6-Dinitro-2-methylphenol	10.47	198	65960	52.287	nq	88
66) n-Nitrosodiphenylamine	10.54	169	614732	52.661	nq	97
67) 4-Bromophenyl-phenylether	10.91	248	171089	49.910	nq	97
68) Hexachlorobenzene	10.98	284	175248	48.863	nq	96
69) Atrazine	11.06	200	171321	52.402	nq	96
70) Pentachlorophenol	11.17	266	180296	103.918	nq	98
71) Phenanthrene	11.39	178	946729	50.400	nq	99
72) Anthracene	11.44	178	983036	51.988	nq	100
73) Carbazole	11.59	167	911798	50.622	nq	99
74) Di-n-butylphthalate	11.93	149	1183663	51.261	nq	100
75) Fluoranthene	12.57	202	888785	48.146	nq	98
77) Benzidine	12.69	184	506126	62.216	nq	99
78) Pyrene	12.80	202	887065	48.113	nq	98
80) Butylbenzylphthalate	13.42	149	450122	50.203	nq	99
81) Benzo(a)anthracene	13.99	228	665089	50.667	nq	99
82) 3,3'-Dichlorobenzidine	13.94	252	220364	49.675	nq	98
83) Chrysene	14.02	228	682574	50.472	nq	98
84) Bis(2-ethylhexyl)phthalate	13.98	149	584656	52.825	nq	99
85) Di-n-octyl phthalate	14.59	149	1019902	56.311	nq	97
86) Indeno(1,2,3-cd)pyrene	16.90	276	726685	66.898	nq	# 94
88) Benzo(b)fluoranthene	15.03	252	760583	49.173	nq	# 97
89) Benzo(k)fluoranthene	15.06	252	620964	44.031	nq	98
90) Benzo(a)pyrene	15.39	252	689208	51.215	nq	99
91) Dibenzo(a,h)anthracene	16.92	278	601653	51.078	nq	# 91
92) Benzo(g,h,i)perylene	17.34	276	570245	47.469	nq	# 94

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



#1

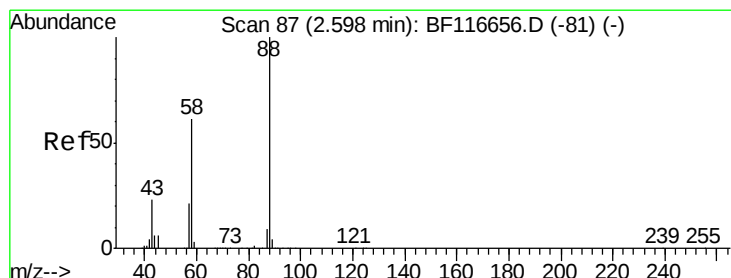
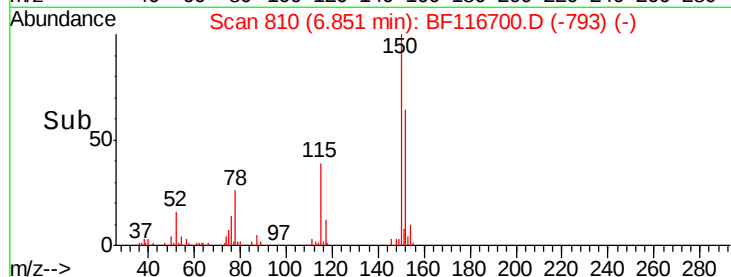
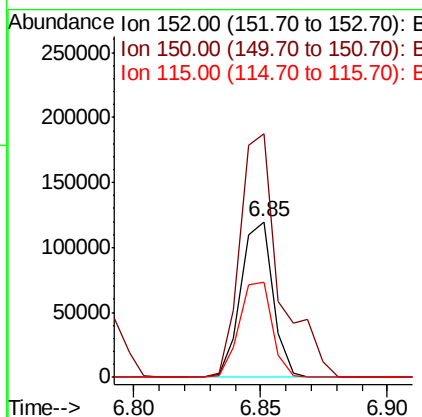
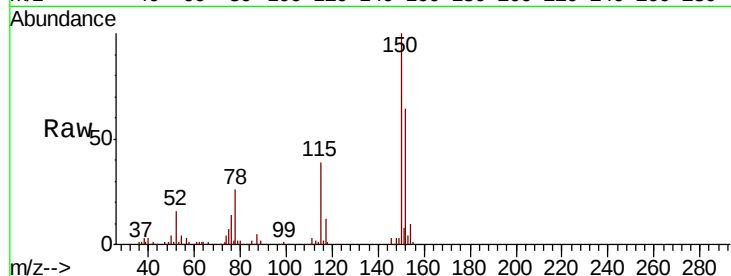
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.4	186.6
115	60.9	49.9	74.9

Manual Integrations
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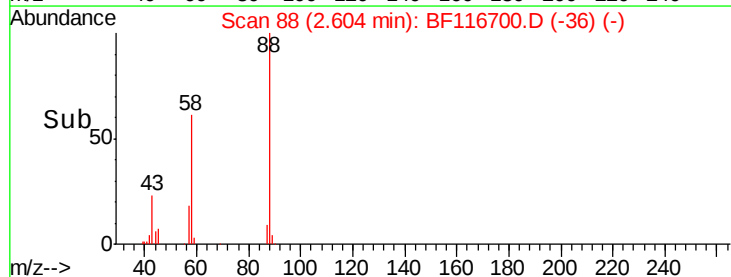
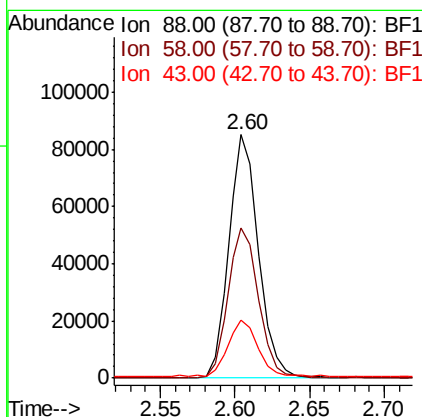
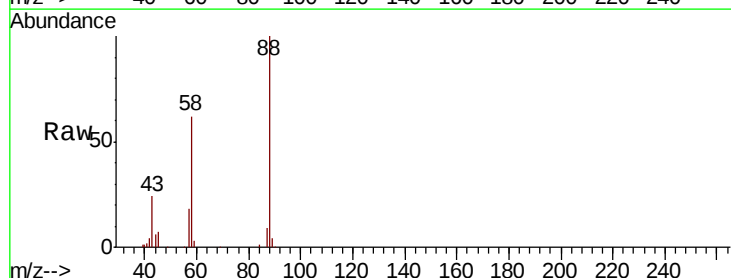
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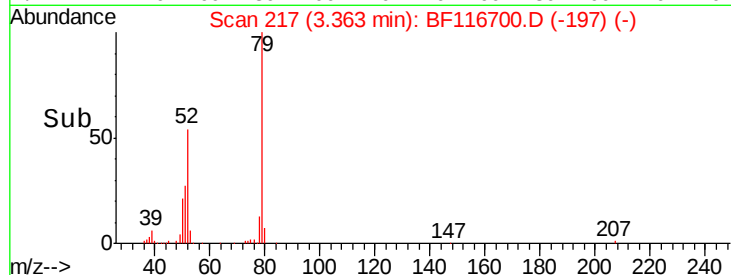
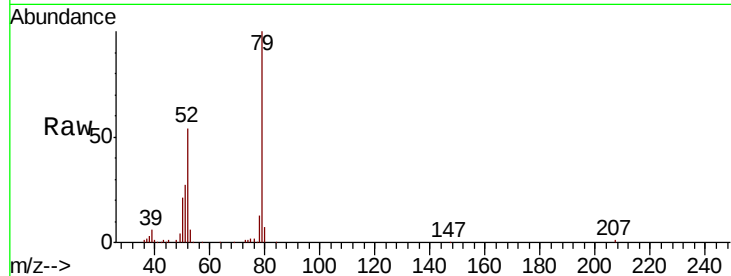


#2

1,4-Dioxane
Concen: 39.298 ng
RT: 2.60 min Scan# 88
Delta R.T. 0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	63.8	51.7	77.5
43	23.7	19.8	29.8





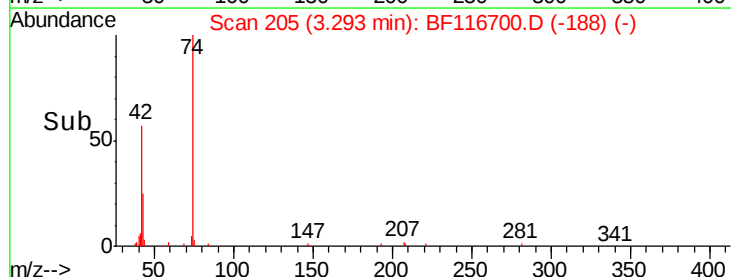
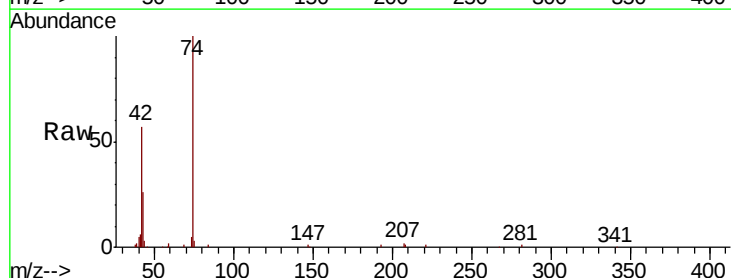
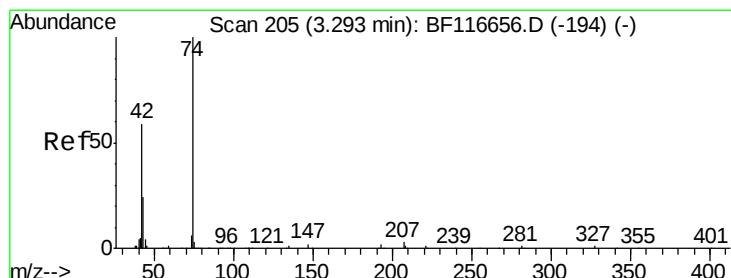
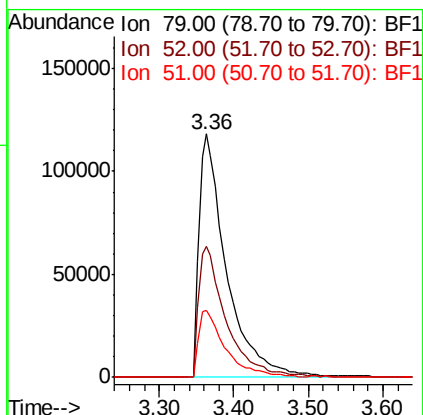
#3
 Pvridine
 Concen: 34.874 ng
 RT: 3.36 min Scan# 217
 Delta R.T. 0.02 min
 Lab File: BF116700.D
 Acq: 31 Aug 2019 15:39

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	79	100	303781		
52	52	54.0		47.4	71.0
51	51	27.3		24.1	36.1

Instrument :
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 ClientSampleId :
 S602A-M-1.0-1.5-083019MSD

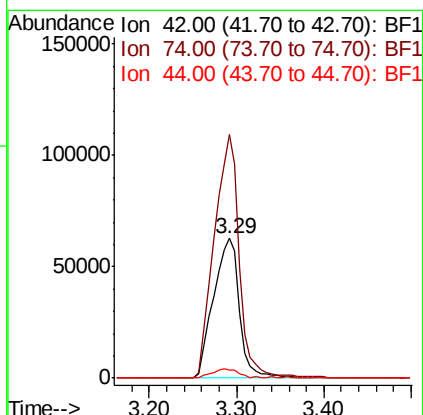
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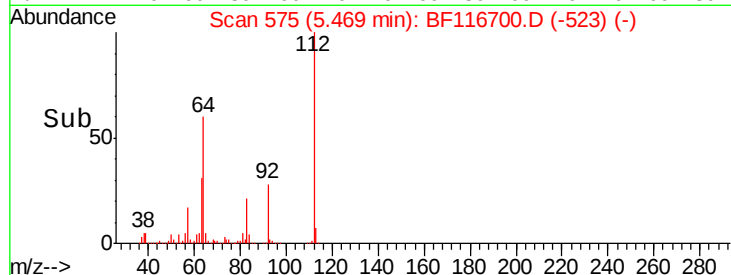
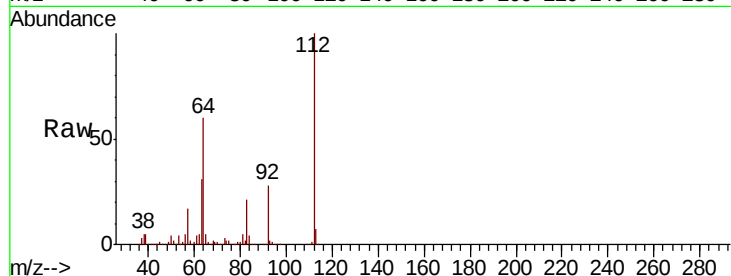
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#4
 n-Nitrosodimethylamine
 Concen: 43.274 ng
 RT: 3.29 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: BF116700.D
 Acq: 31 Aug 2019 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	129440		
74	74	174.6		115.6	173.4#
44	44	5.8		4.6	7.0





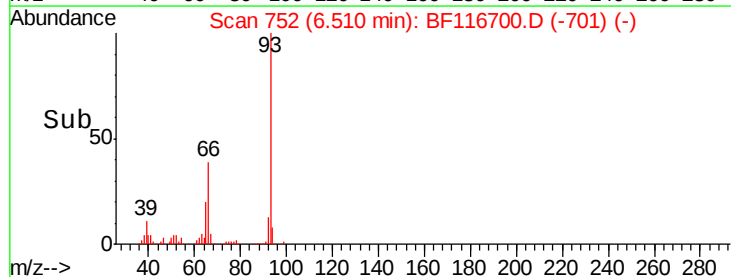
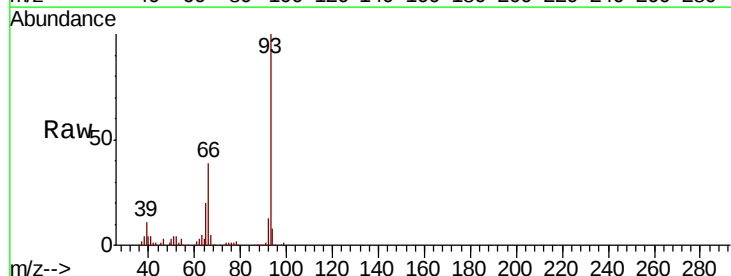
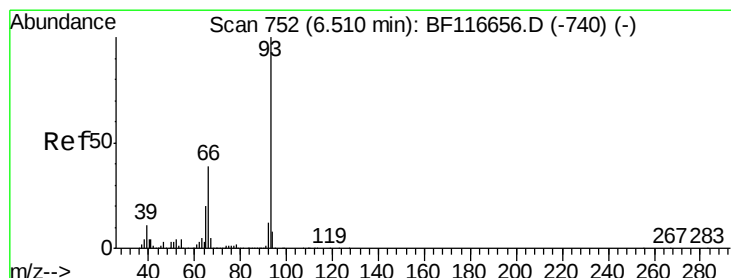
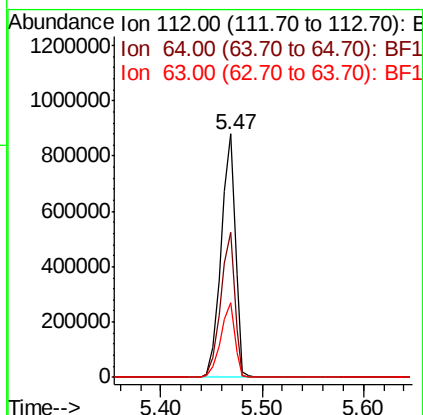
#5
2-Fluorophenol
Concen: 131.659 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tot Ion:	112	Resp:	858045
Ion Ratio	Lower	Upper	
112	100		
64	59.8	47.1	70.7
63	30.8	24.9	37.3

Instrument :
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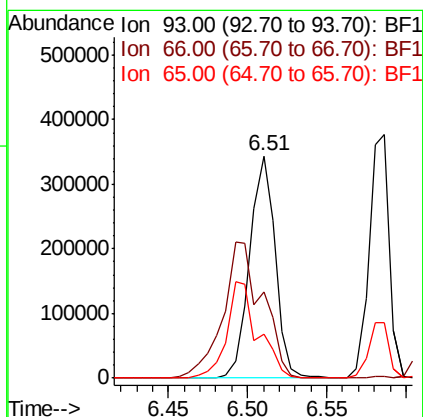
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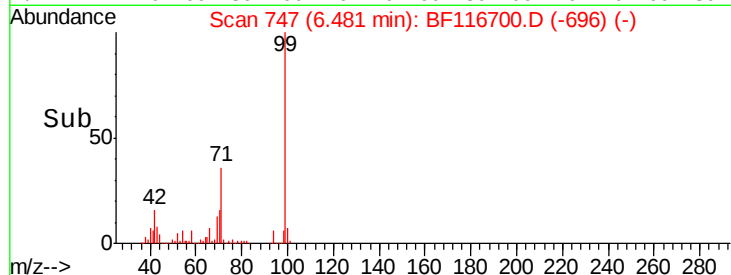
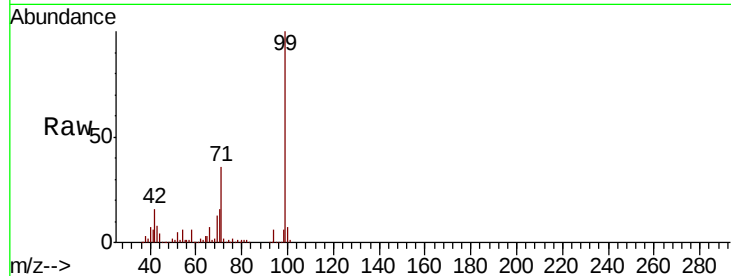
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#6
Aniline
Concen: 32.429 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion:	93	Resp:	384376
Ion Ratio	Lower	Upper	
93	100		
66	39.1	32.7	49.1
65	20.0	16.3	24.5





#7

Phenol-d6

Concen: 137.923 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116700.D

Acq: 31 Aug 2019 15:39

Tot Ion:	99	Resp:	1180312
Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.7	20.5
71	35.8	30.8	46.2

Instrument :

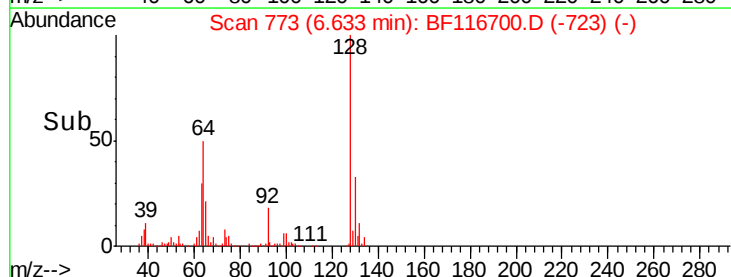
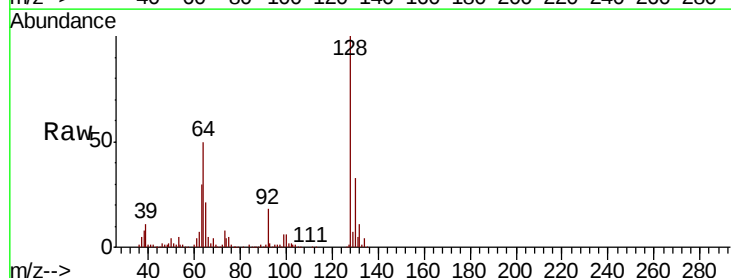
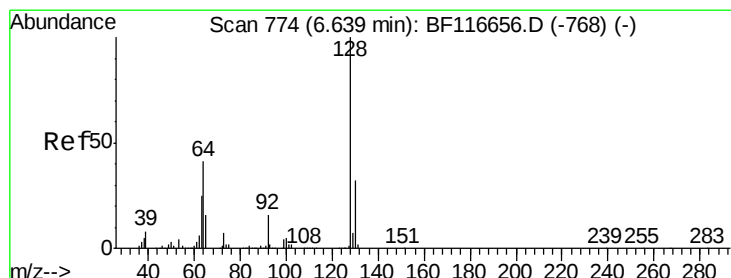
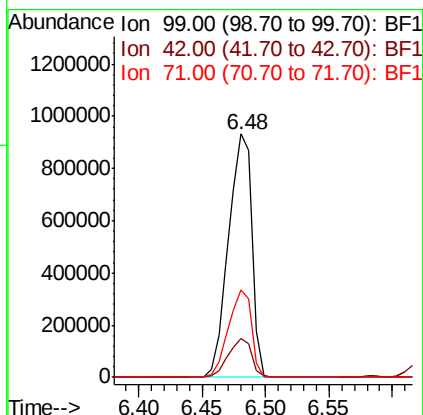
BNA_F

ClientSampleId :

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#8

2-Chlorophenol

Concen: 48.356 ng

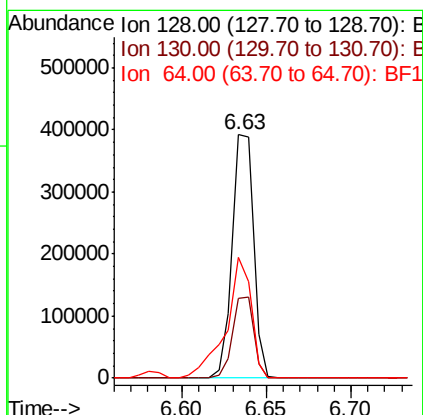
RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116700.D

Acq: 31 Aug 2019 15:39

Tgt Ion:	128	Resp:	344022
Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.3	52.3
64	49.6	22.5	62.5





#9

Benzaldehyde

Concen: 43.569 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF116700.D

Acq: 31 Aug 2019 15:39

Instrument :

BNA_F

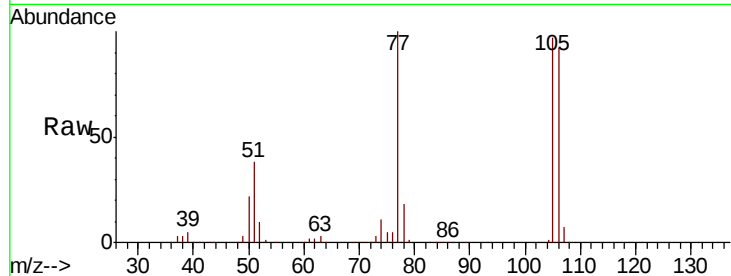
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S602A-M-1.0-1.5-083019MSD

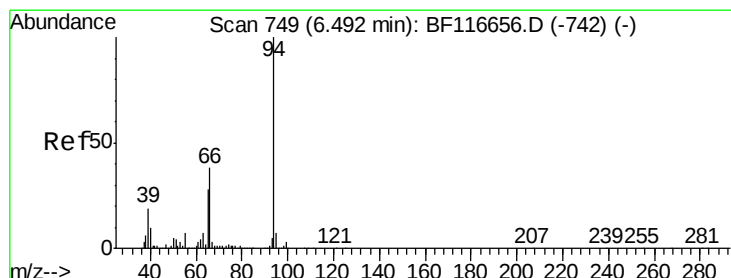
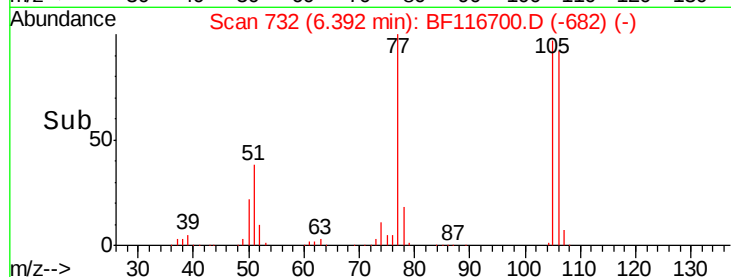
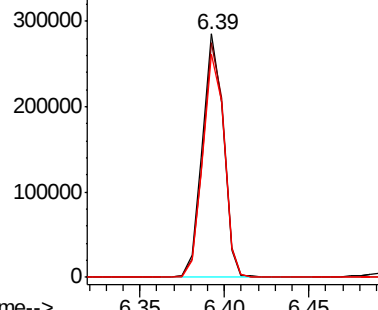
Tot Ion:	77	Resp:	245639
Ion Ratio	Lower	Upper	
77	100		
105	96.5	76.7	116.7
106	91.7	73.1	113.1

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Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 48.850 ng

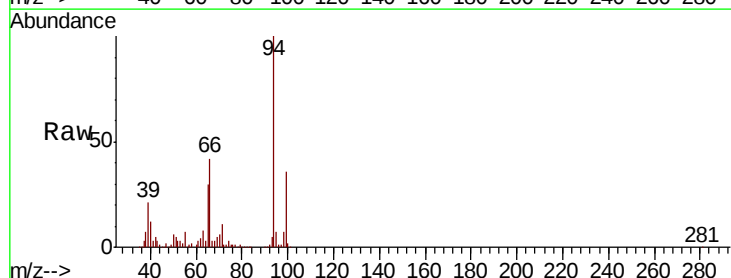
RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

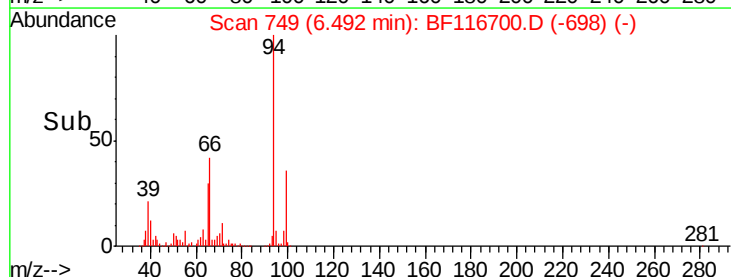
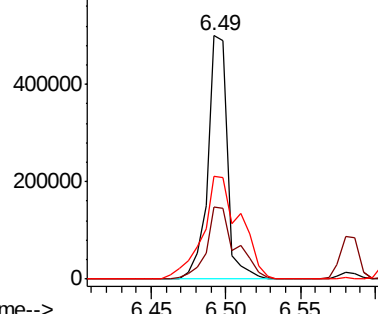
Lab File: BF116700.D

Acq: 31 Aug 2019 15:39

Tgt Ion:	94	Resp:	462911
Ion Ratio	Lower	Upper	
94	100		
65	29.8	10.8	50.8
66	42.3	21.1	61.1



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





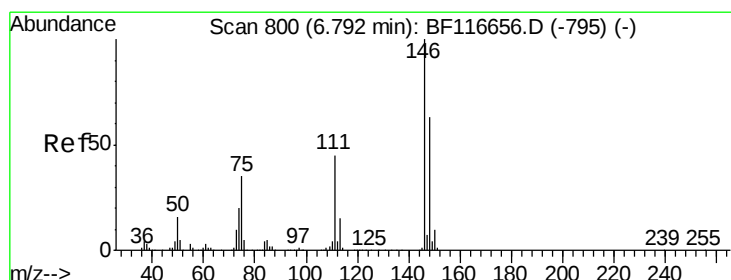
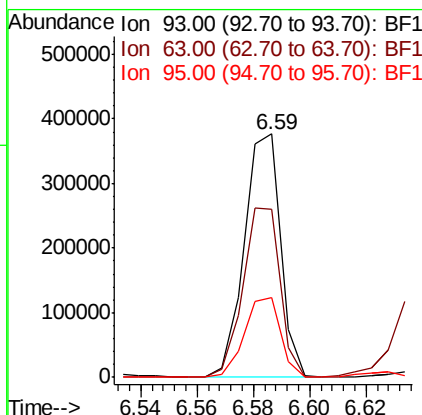
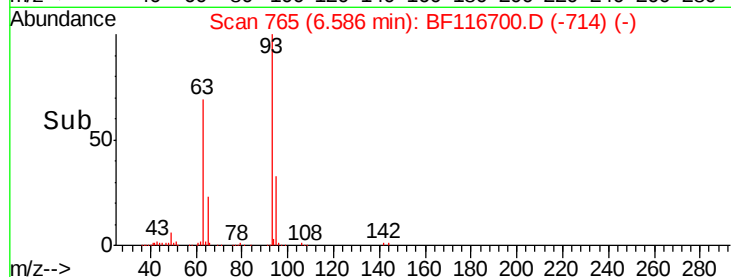
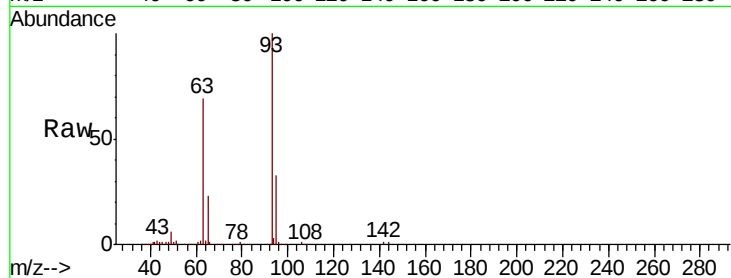
#11
bis(2-Chloroethyl)ether
Concen: 45.344 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	69.3	49.9	89.9
95	33.0	12.7	52.7

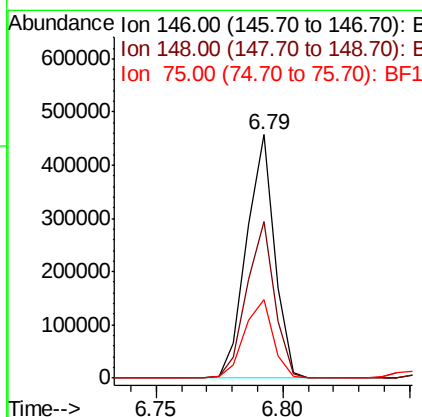
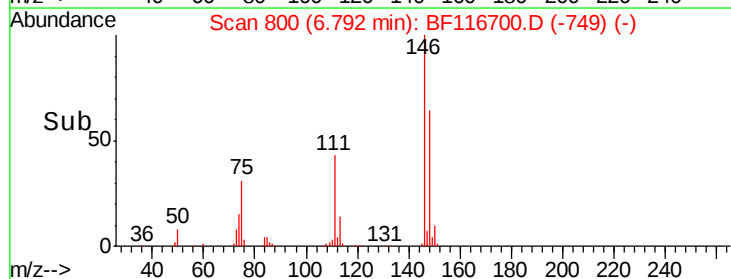
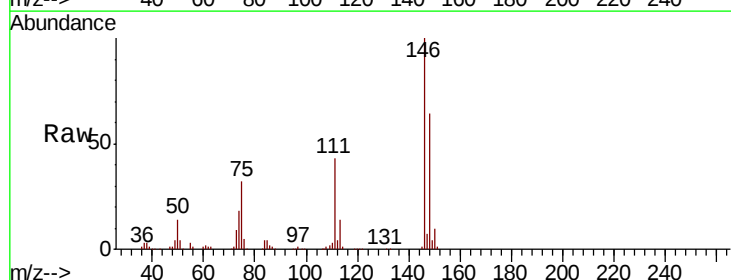
Manual Integrations
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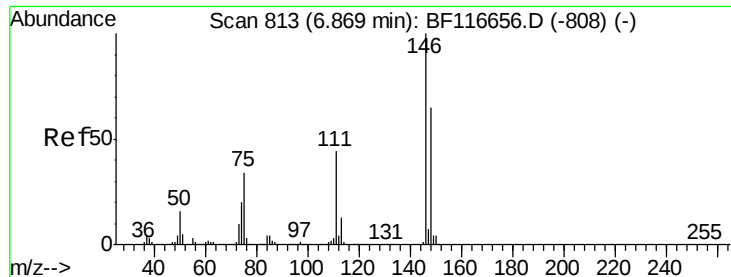
mohammad
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#12
1,3-Dichlorobenzene
Concen: 43.786 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	32.1	29.6	44.4





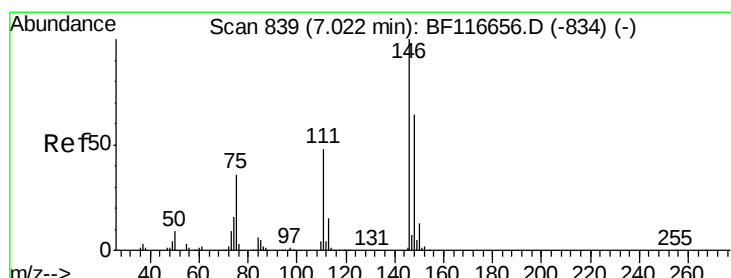
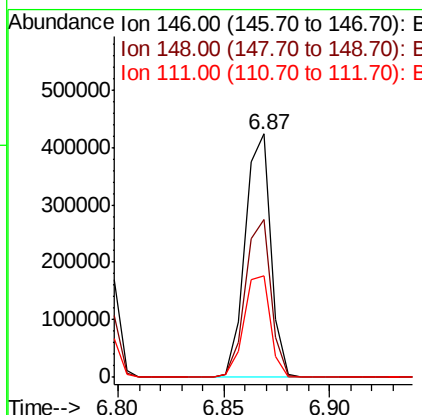
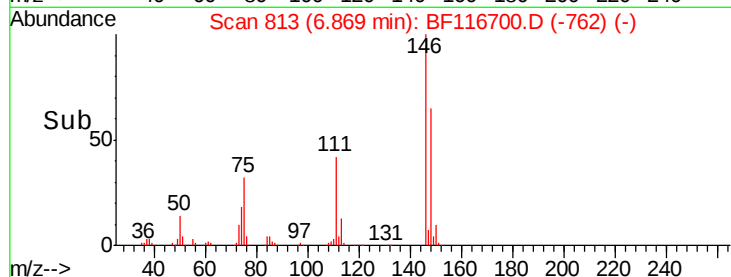
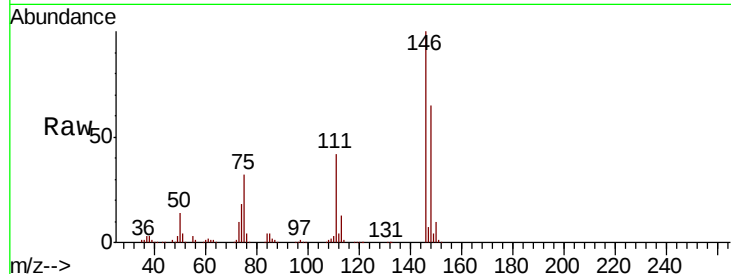
#13
 1,4-Dichlorobenzene
 Concen: 44.483 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF116700.D
 Acq: 31 Aug 2019 15:39

Instrument :
 BNA_F
 ClientSampleId :
 S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.4	77.2
111	41.9	34.8	52.2

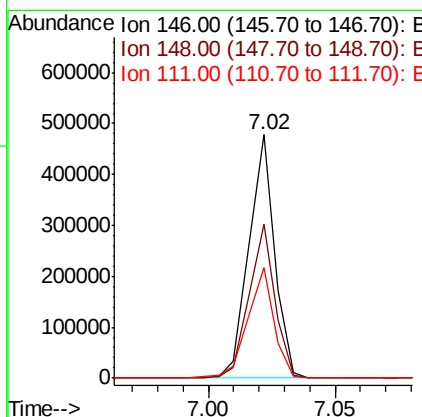
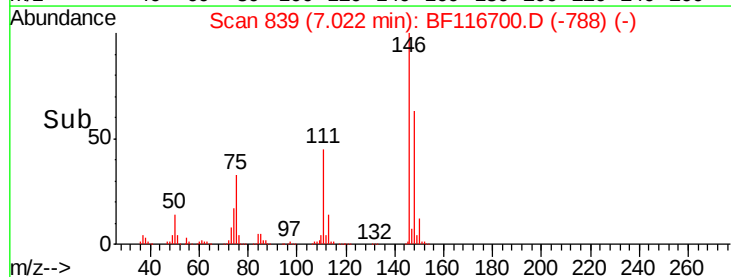
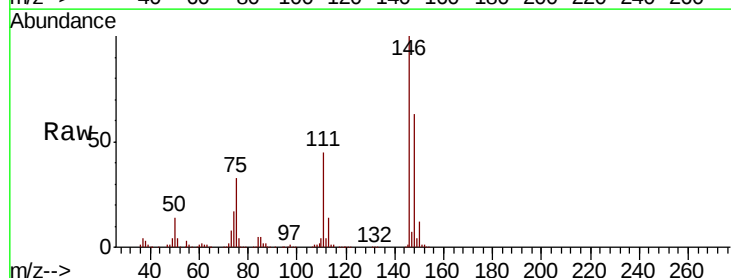
Manual Integrations
 APPROVED

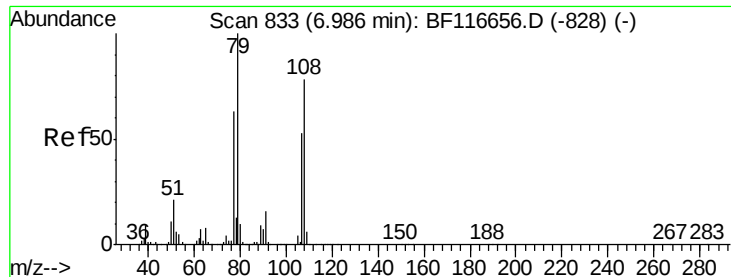
mohammad
 9/5/2019 9:23:34 AM



#14
 1,2-Dichlorobenzene
 Concen: 45.501 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.00 min
 Lab File: BF116700.D
 Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	52.6	78.8
111	45.2	34.2	51.4





#15

Benzyl Alcohol

Concen: 47.071 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF116700.D

Acq: 31 Aug 2019 15:39

Instrument :

BNA_F

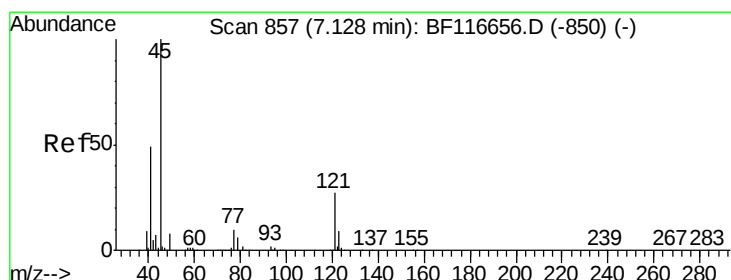
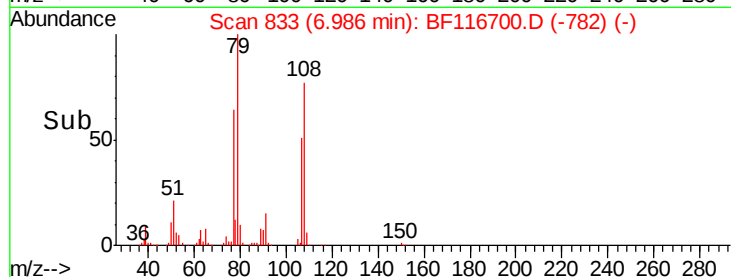
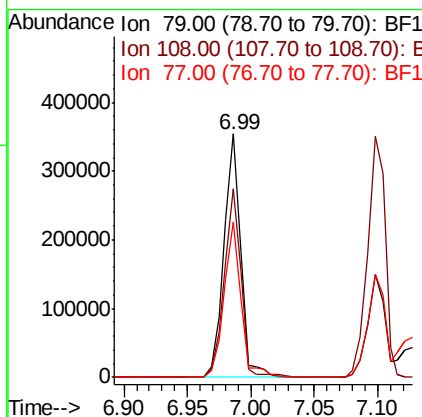
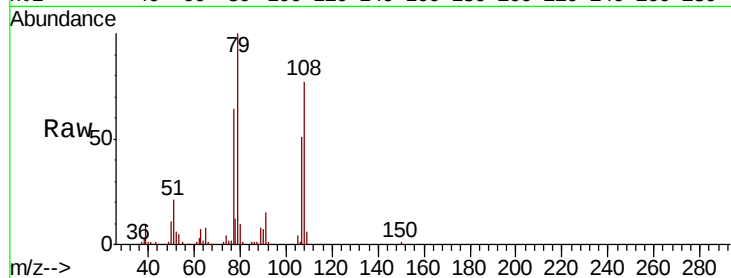
ClientSampleId :

S602A-M-1.0-1.5-083019MSD

Tot Ion:	79	Resp:	326984
Ion Ratio	Lower	Upper	
79	100		
108	77.2	59.2	88.8
77	64.0	53.0	79.4

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#16

2,2'-oxybis(1-chloropropane)

Concen: 42.924 ng

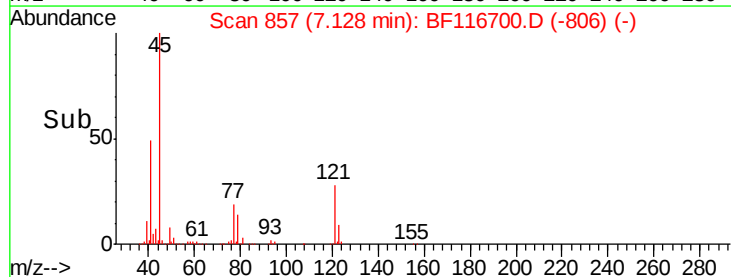
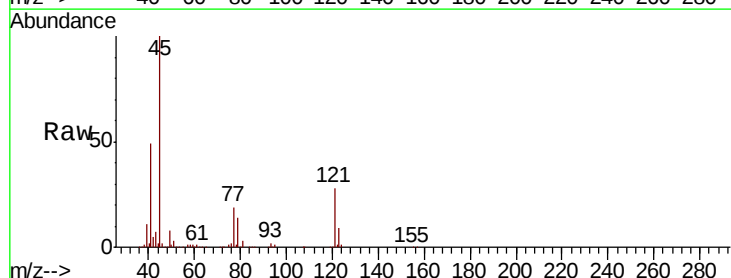
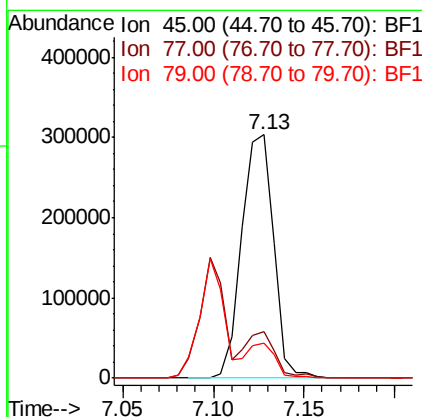
RT: 7.13 min Scan# 857

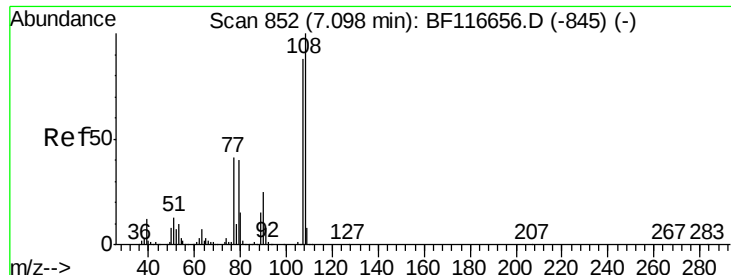
Delta R.T. 0.00 min

Lab File: BF116700.D

Acq: 31 Aug 2019 15:39

Tgt Ion:	45	Resp:	371591
Ion Ratio	Lower	Upper	
45	100		
77	19.0	0.0	38.2
79	14.4	0.0	33.9





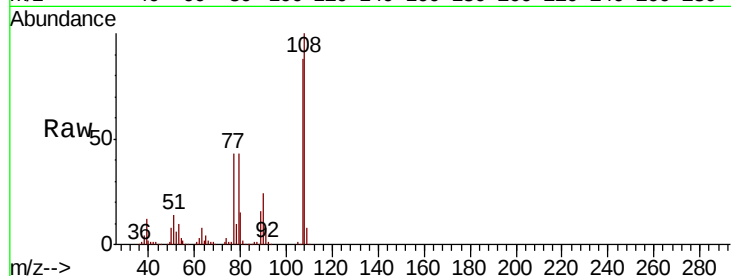
#17
2-Methylphenol
Concen: 47.173 ng
RT: 7.10 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	293792		
108	113.7	88.3	132.5	
77	48.7	39.9	59.9	
79	48.5	39.8	59.8	

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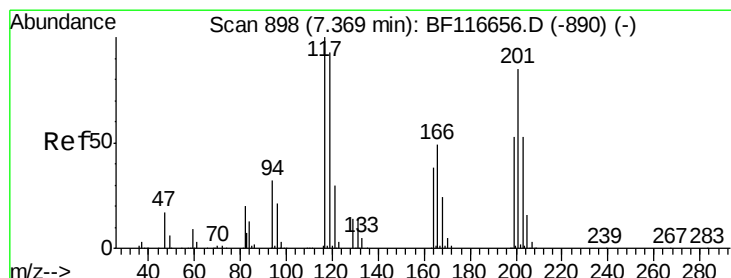
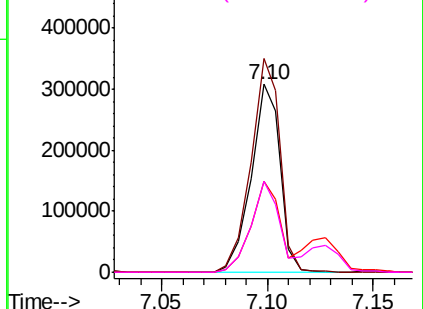
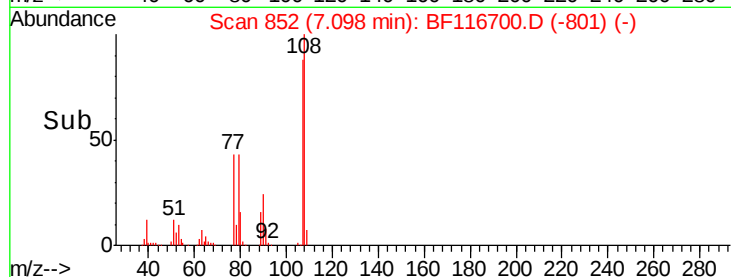
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

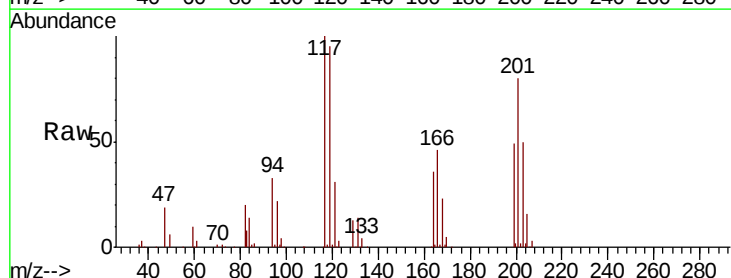
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 43.860 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	136411		
119	94.9	76.9	115.3	
201	80.0	79.4	119.0	

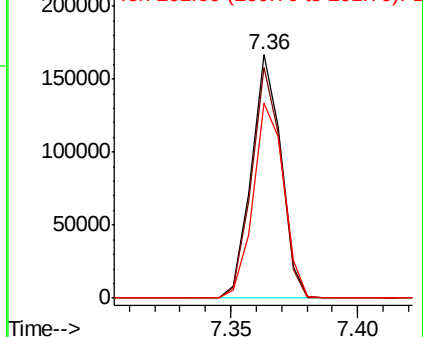
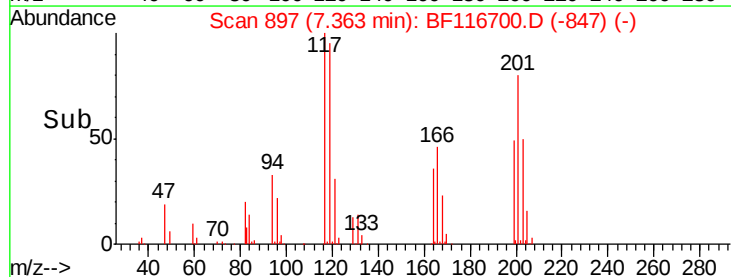


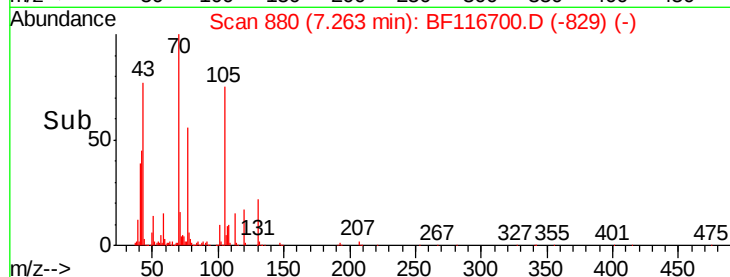
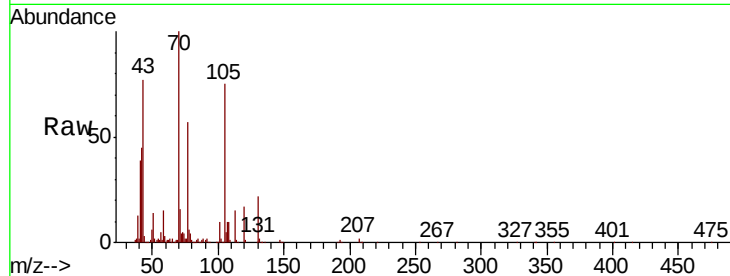
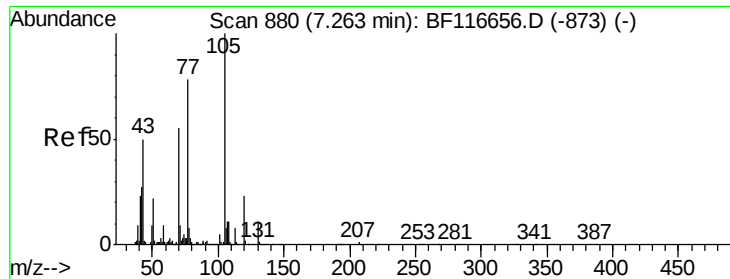
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





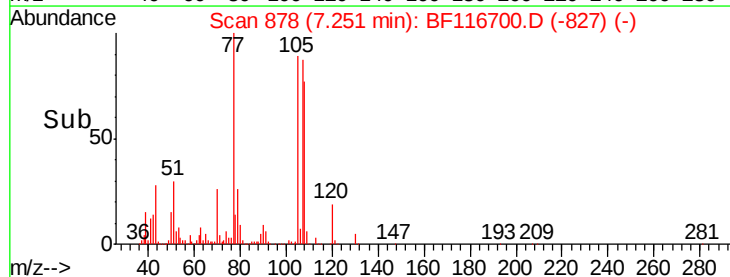
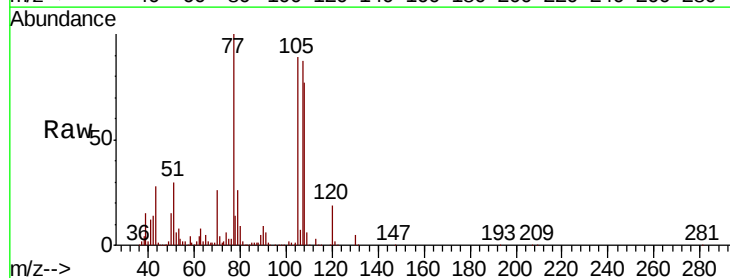
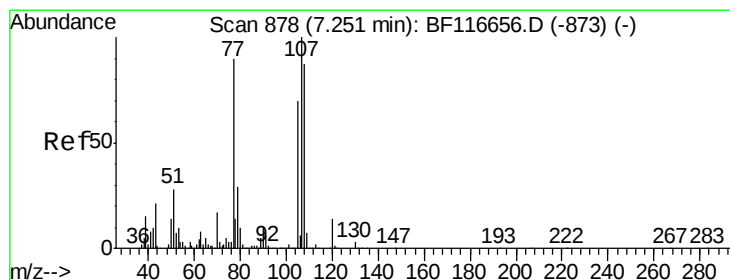
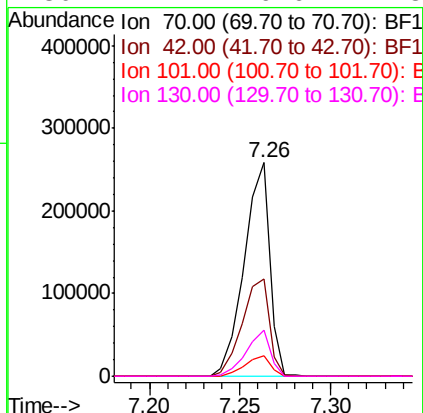
#19
n-Nitroso-di-n-propylamine
Concen: 44.872 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	45.3	43.5	65.3
101	9.7	7.8	11.6
130	21.7	16.6	24.8

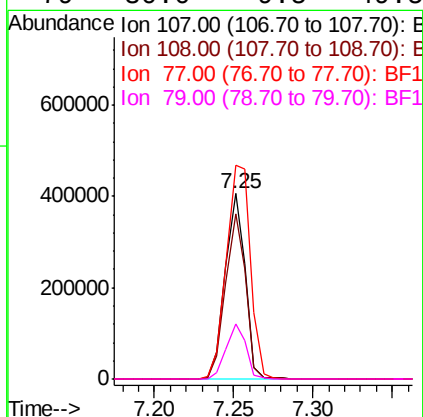
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#20
3+4-Methylphenols
Concen: 49.085 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.1	65.5	105.5
77	115.2	69.4	109.4#
79	30.0	9.5	49.5





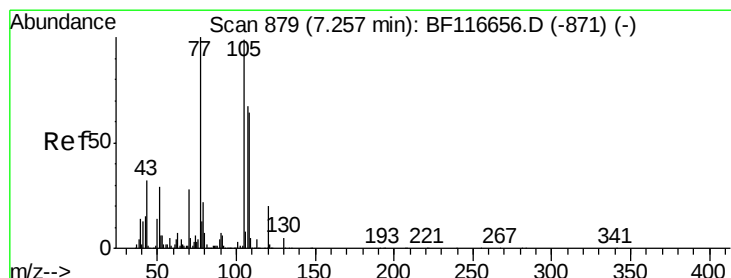
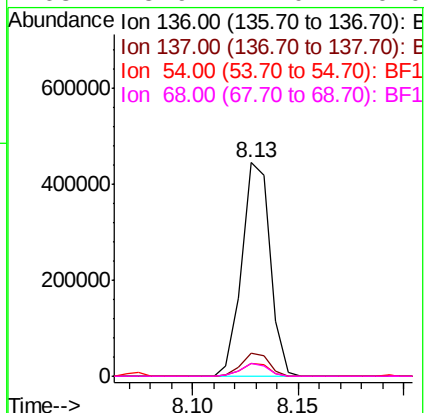
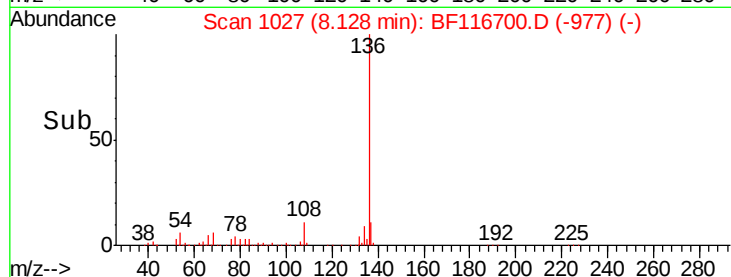
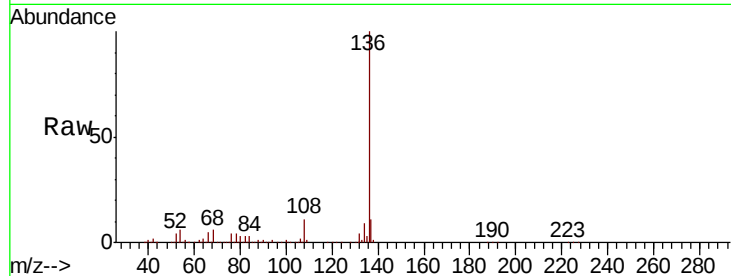
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	413585		
137	10.8	8.9	13.3	
54	6.1	4.8	7.2	
68	5.9	4.0	6.0	

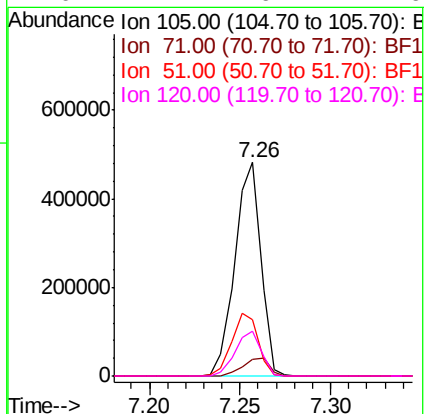
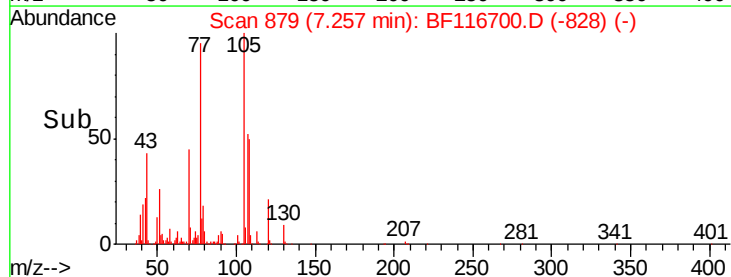
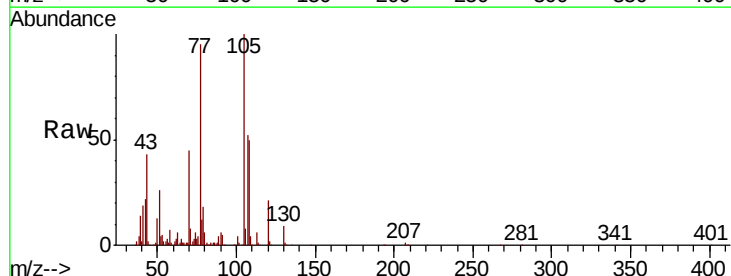
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#22
Acetophenone
Concen: 48.270 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	480628		
71	7.7	4.2	6.4#	
51	26.1	25.8	38.8	
120	21.2	16.4	24.6	





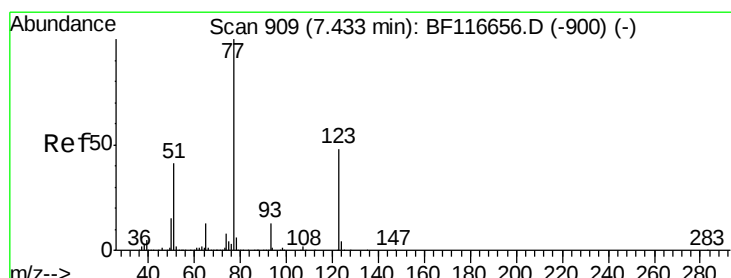
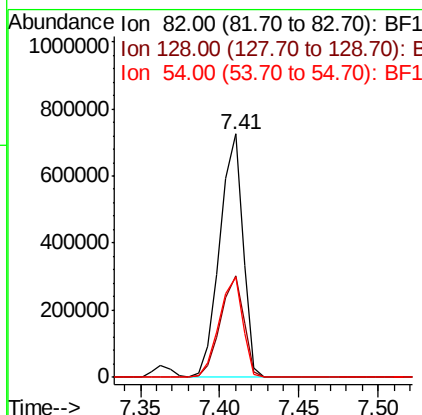
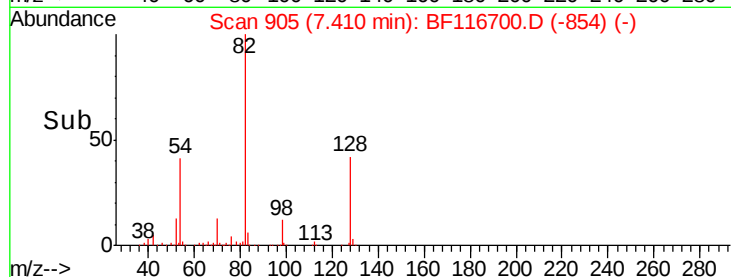
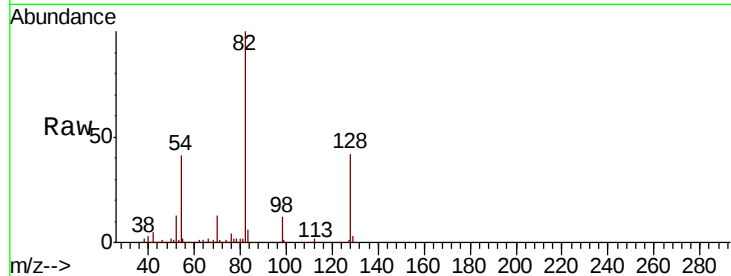
#23
 Nitrobenzene-d5
 Concen: 101.910 ng
 RT: 7.41 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: BF116700.D
 Acq: 31 Aug 2019 15:39

Instrument :
 BNA_F
 ClientSampleId :
 S602A-M-1.0-1.5-083019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
82	100		738317		
128	41.6	32.8	49.2		
54	41.2	36.9	55.3		

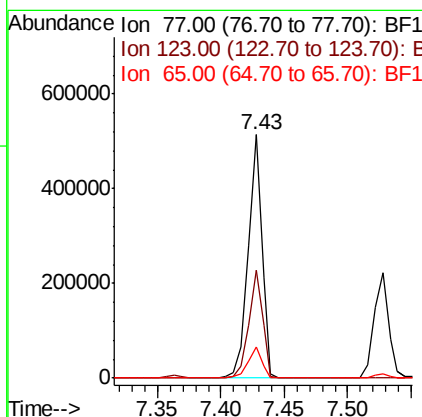
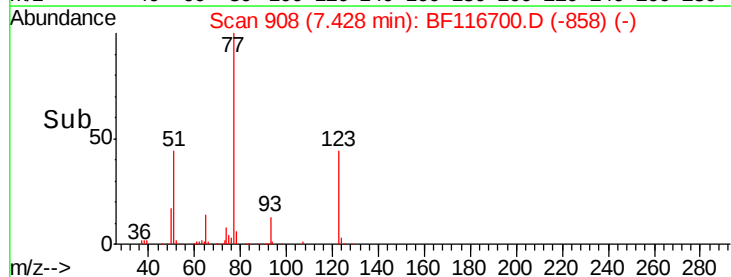
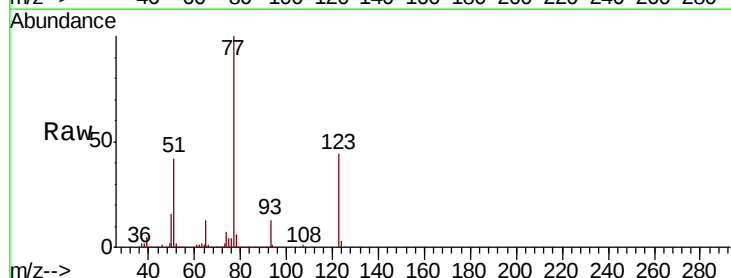
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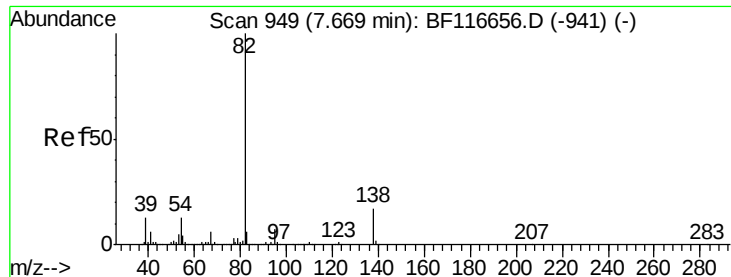
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#24
 Nitrobenzene
 Concen: 52.641 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF116700.D
 Acq: 31 Aug 2019 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
77	100		387874		
123	44.1	33.1	49.7		
65	12.8	10.6	15.8		





#25

Isophorone

Concen: 48.189 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF116700.D

Acq: 31 Aug 2019 15:39

Instrument :

BNA_F

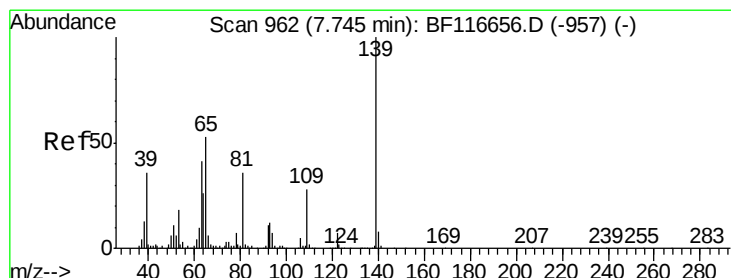
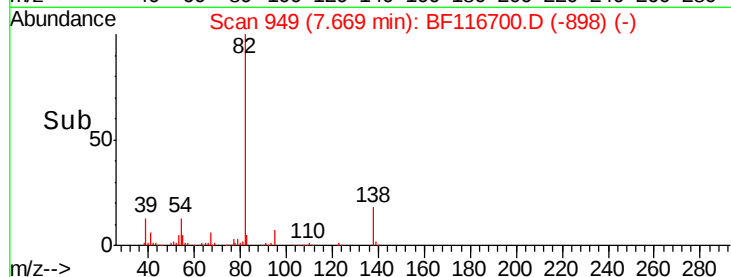
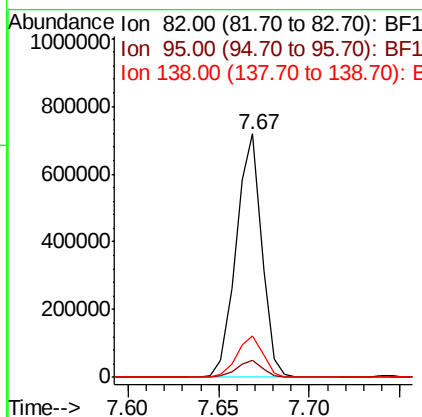
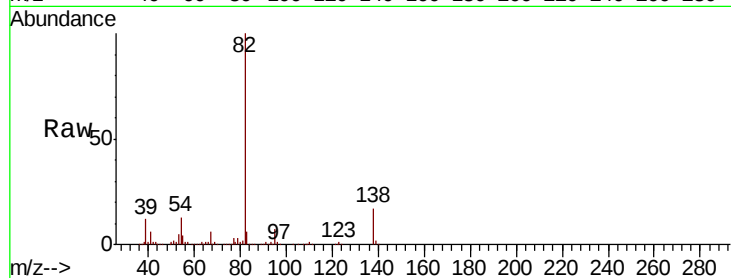
ClientSampleId :

S602A-M-1.0-1.5-083019MSD

Tot Ion:	82	Resp:	707439
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.8	8.6
138	17.2	13.5	20.3

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#26

2-Nitrophenol

Concen: 62.747 ng

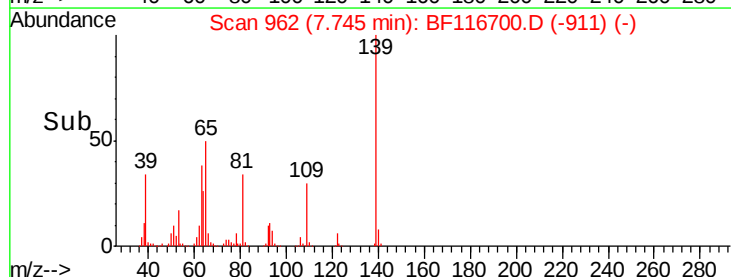
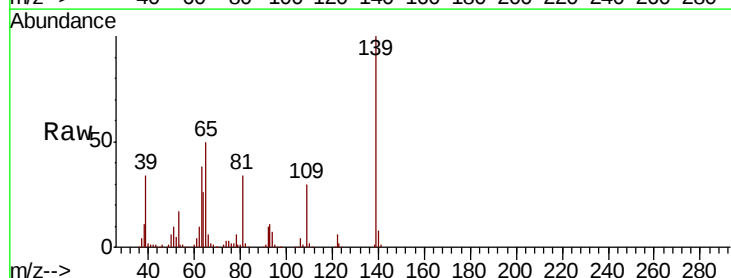
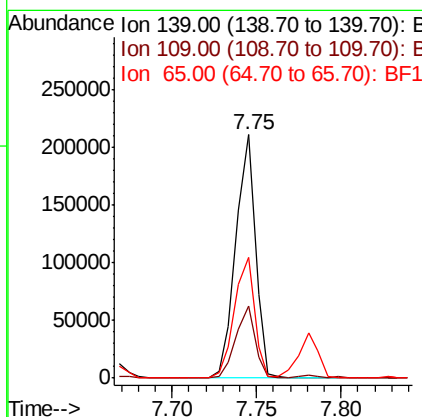
RT: 7.75 min Scan# 962

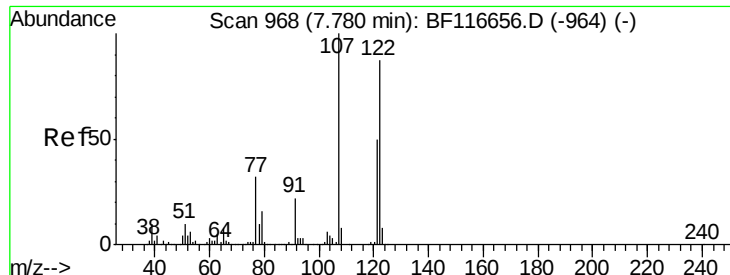
Delta R.T. 0.00 min

Lab File: BF116700.D

Acq: 31 Aug 2019 15:39

Tgt Ion:	139	Resp:	171889
Ion Ratio	Lower	Upper	
139	100		
109	29.8	27.1	40.7
65	49.8	43.0	64.6





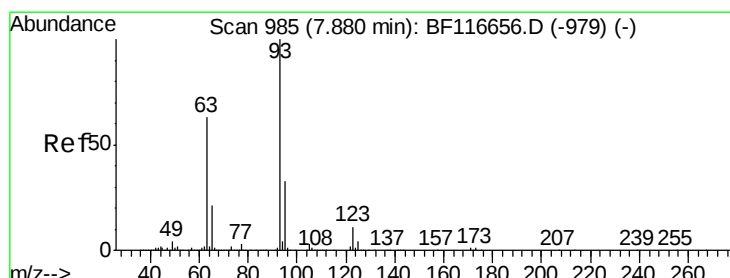
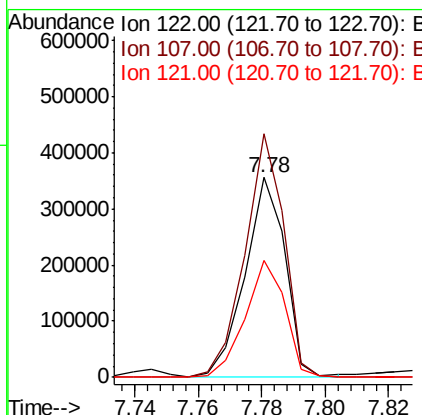
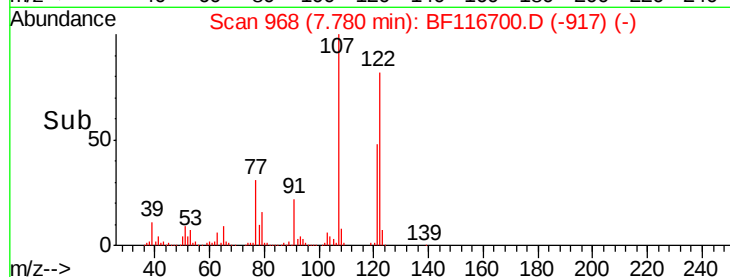
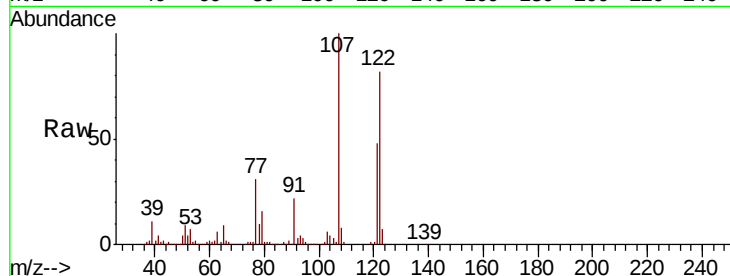
#27
2,4-Dimethylphenol
Concen: 56.342 ng
RT: 7.78 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100			
107	122.0	98.1	147.1	
121	58.8	47.3	70.9	

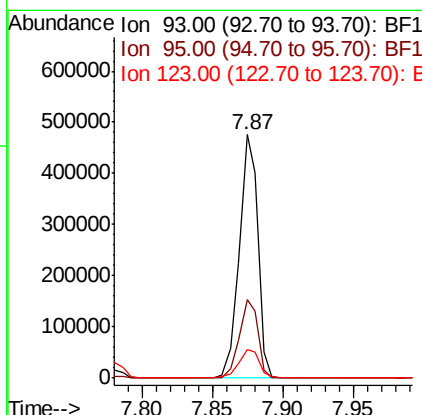
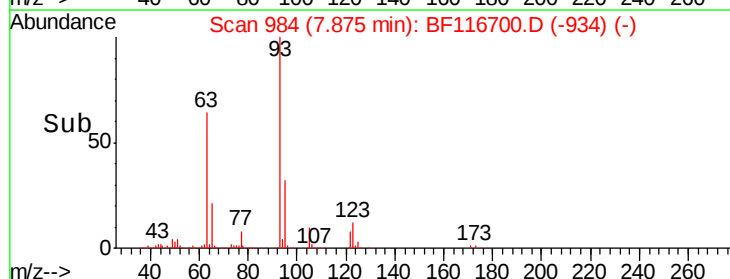
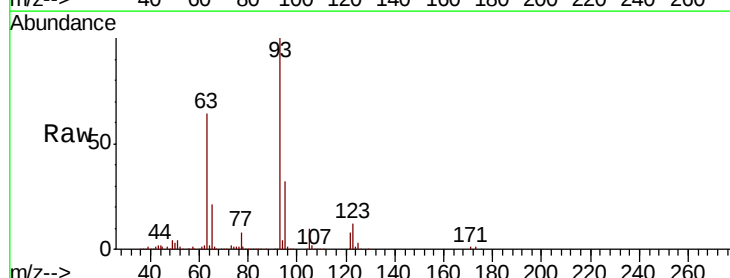
Manual Integrations
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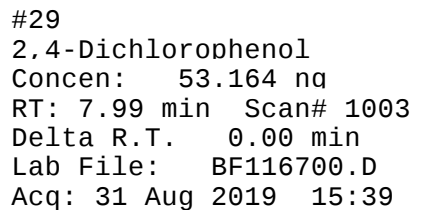
mohammad
9/5/2019 9:23:34 AM



#28
bis(2-Chloroethoxy)methane
Concen: 48.165 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	32.1	26.4	39.6	
123	11.6	9.8	14.8	



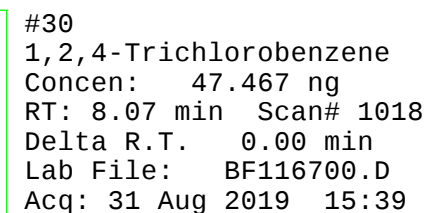
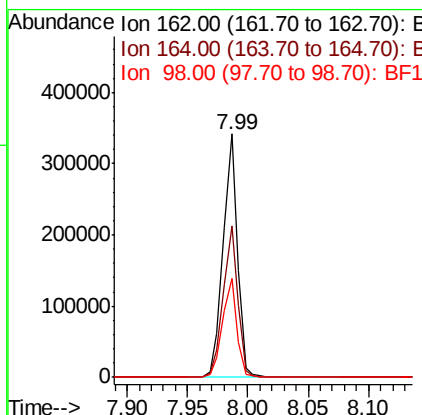


Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

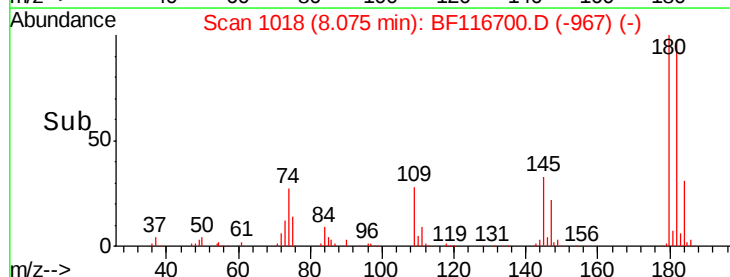
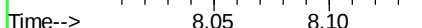
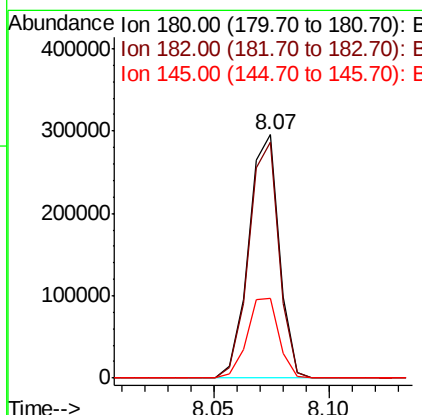
Manual Integrations
APPROVED

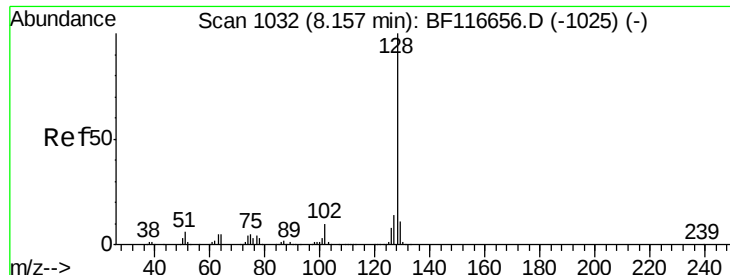
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Tqt	Ion:162	Resp:	282665
Ion	Ratio	Lower	Upper
162	100		
164	62.2	43.4	83.4
98	40.8	18.1	58.1



Tgt	Ion:180	Resp:	273735
Ion	Ratio	Lower	Upper
180	100		
182	97.1	78.6	118.0
145	33.0	25.7	38.5





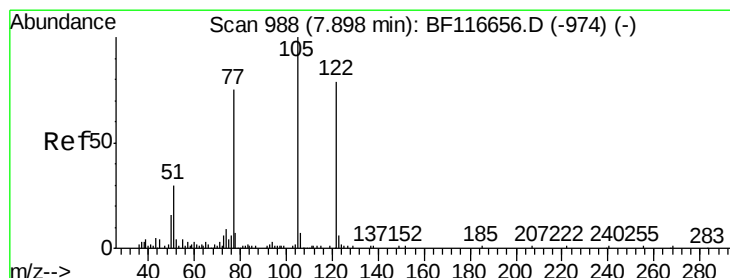
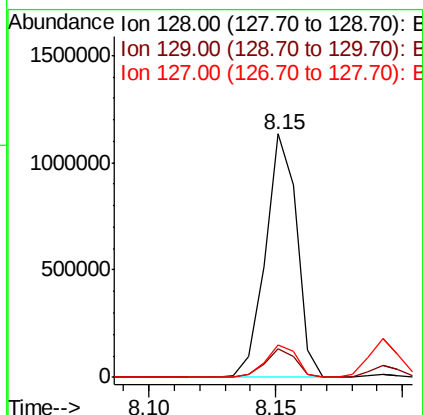
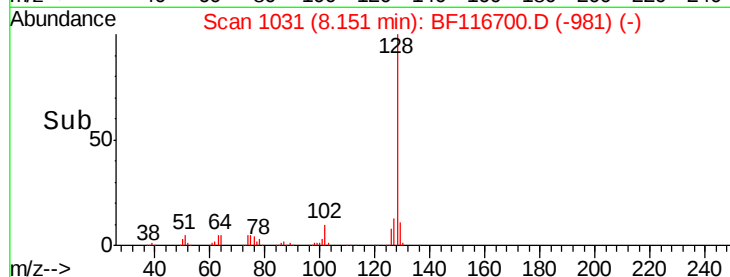
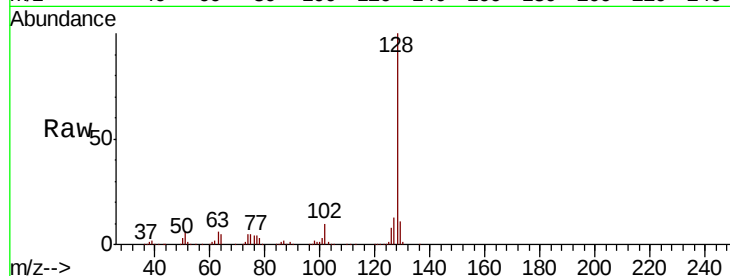
#31
Naphthalene
Concen: 49.903 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.5	8.6	13.0	
127	13.1	10.4	15.6	

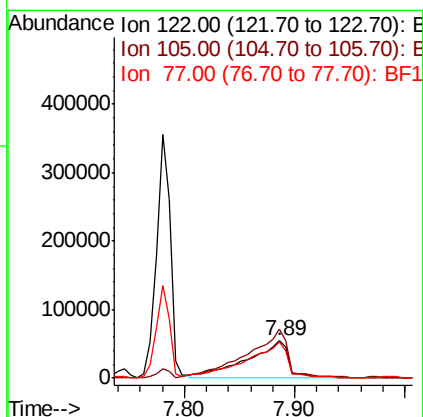
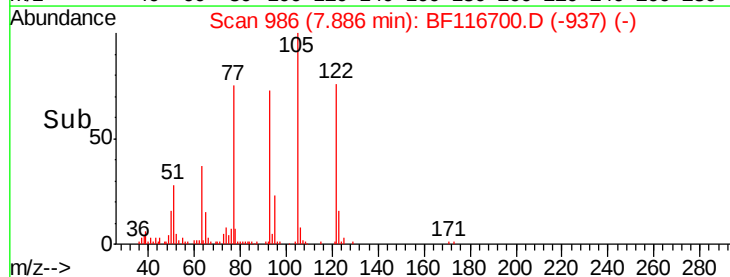
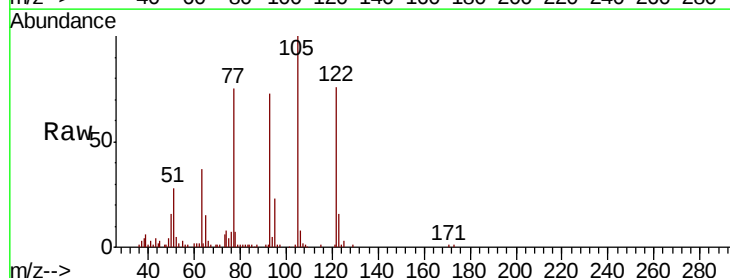
Manual Integrations
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#32
Benzoic acid
Concen: 44.356 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	131.2	110.0	150.0	
77	99.0	81.7	121.7	





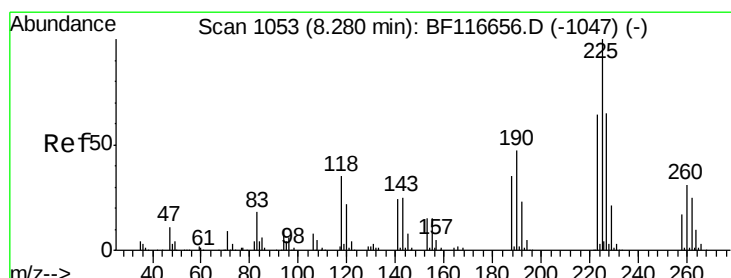
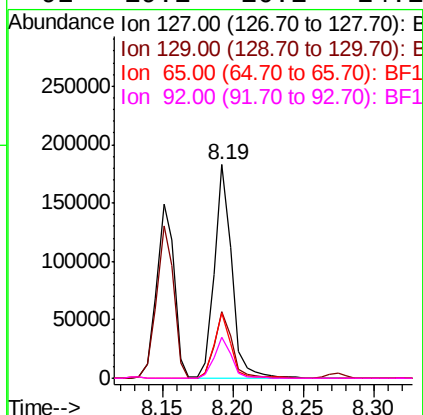
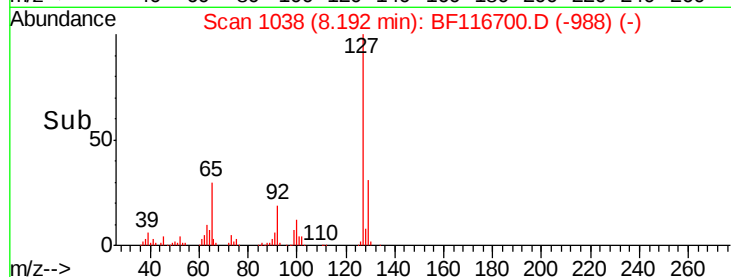
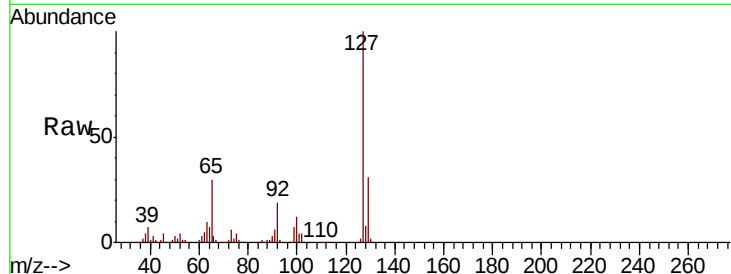
#33
4-Chloroaniline
Concen: 17.567 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		157261		
129	31.1	26.2	39.2		
65	30.4	26.0	39.0		
92	19.1	16.1	24.1		

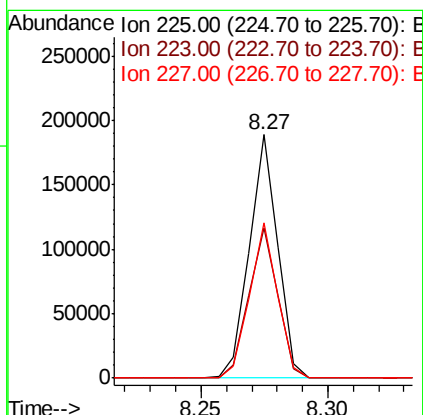
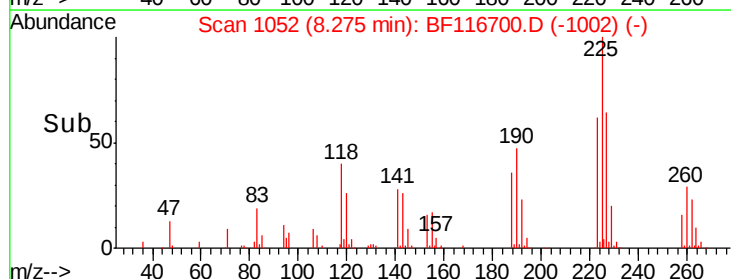
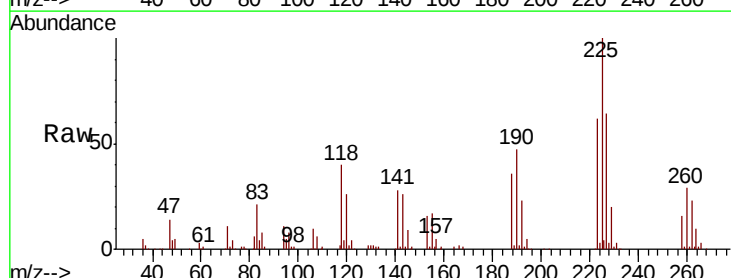
Manual Integrations
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#34
Hexachlorobutadiene
Concen: 46.828 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		147244		
223	61.5	49.4	74.2		
227	63.7	51.0	76.4		





#35

Caprolactam

Concen: 51.761 ng/mL

RT: 8.56 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BF116700.D

Acq: 31 Aug 2019 15:39

Instrument :

BNA_F

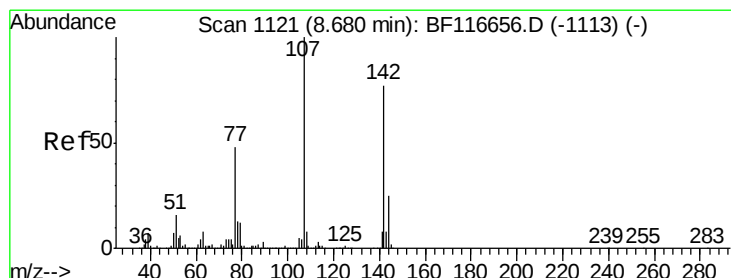
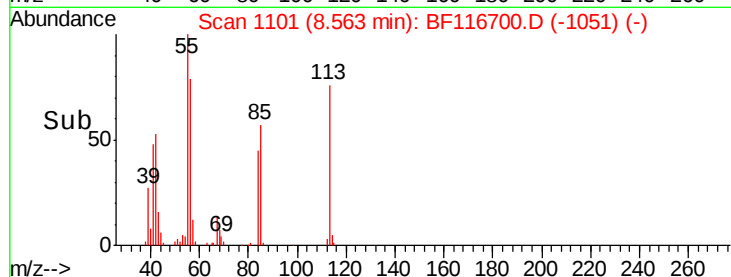
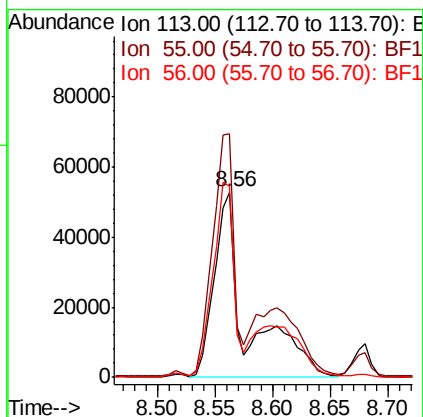
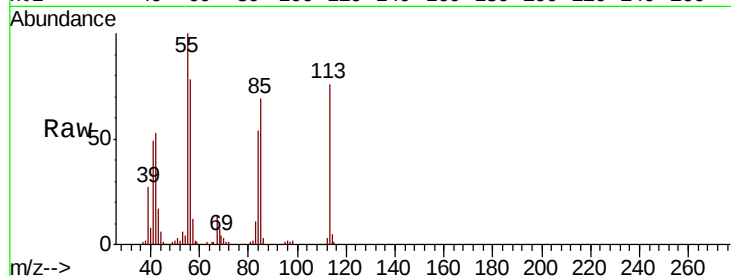
ClientSampleId :

S602A-M-1.0-1.5-083019MSD

Tot Ion:	113	Resp:	102993
Ion Ratio	Lower	Upper	
113	100		
55	131.7	124.3	164.3
56	103.3	94.6	134.6

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#36

4-Chloro-3-methylphenol

Concen: 54.206 ng/mL

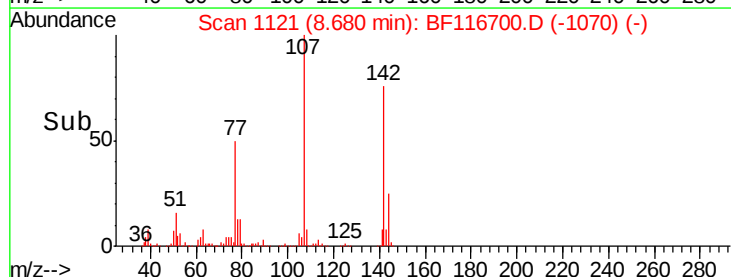
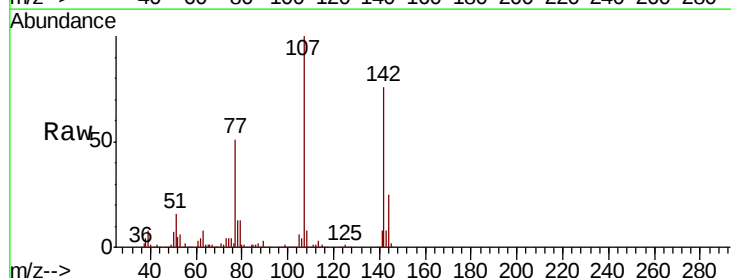
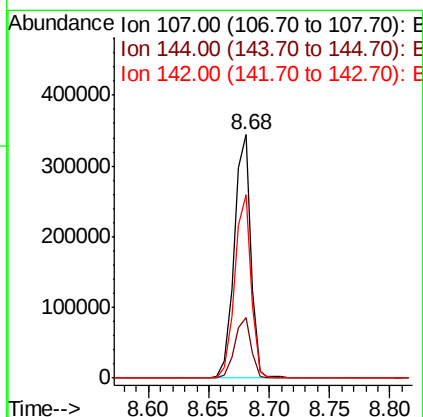
RT: 8.68 min Scan# 1121

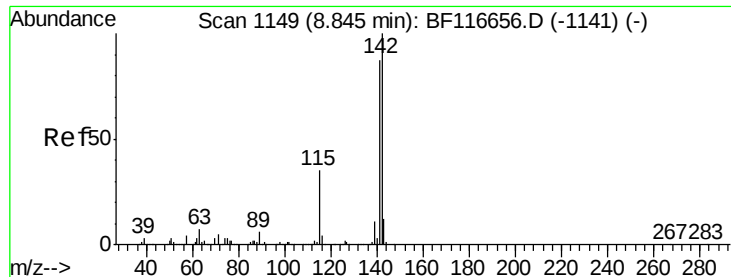
Delta R.T. 0.00 min

Lab File: BF116700.D

Acq: 31 Aug 2019 15:39

Tgt Ion:	107	Resp:	331244
Ion Ratio	Lower	Upper	
107	100		
144	24.6	18.6	27.8
142	75.5	58.5	87.7





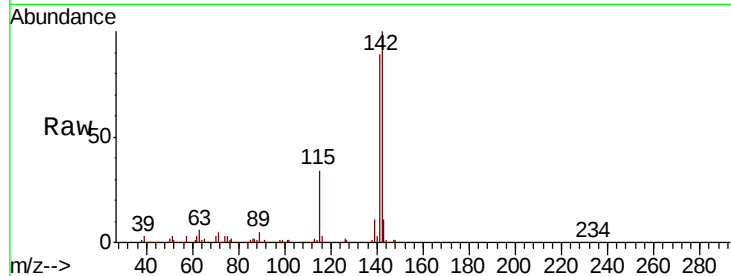
#37
2-Methylnaphthalene
Concen: 51.459 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.6	109.0
115	33.7	29.8	44.6

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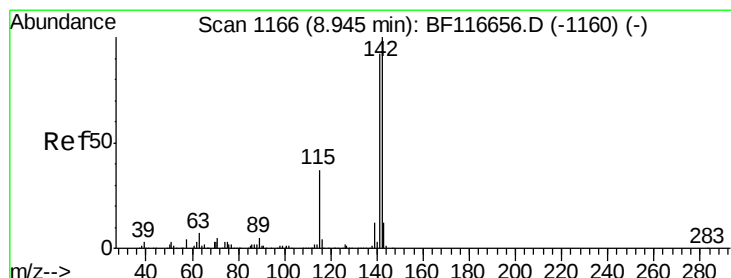
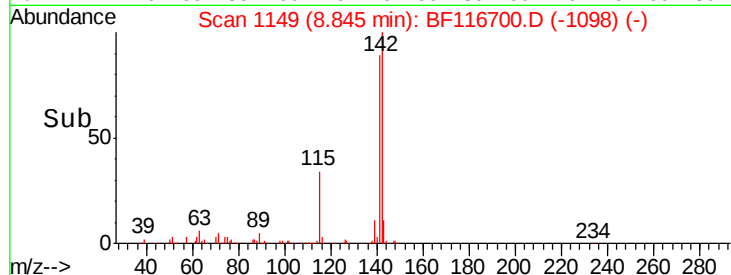
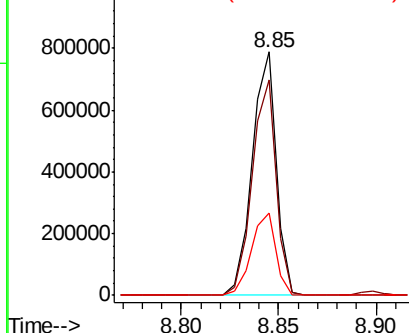


Abundance

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: 50.948 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

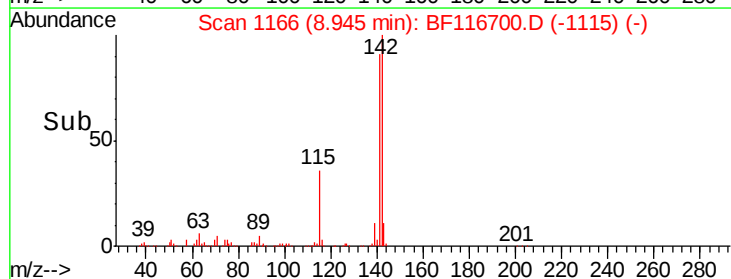
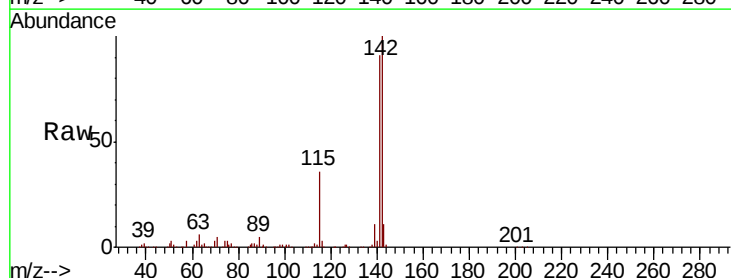
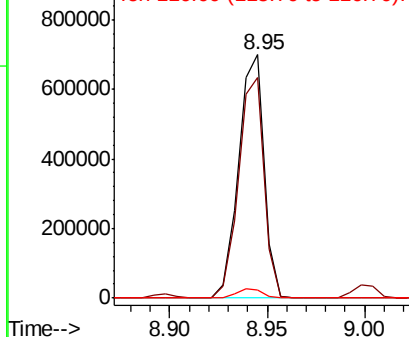
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.9	110.9
116	3.5	3.0	4.6

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





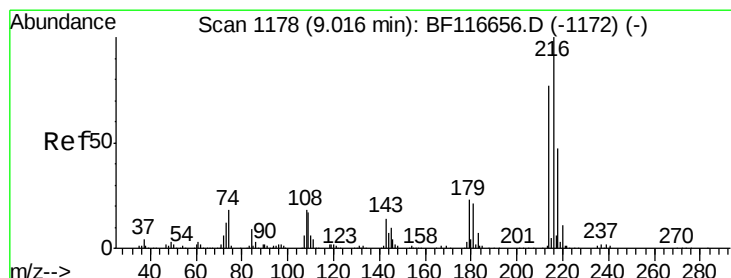
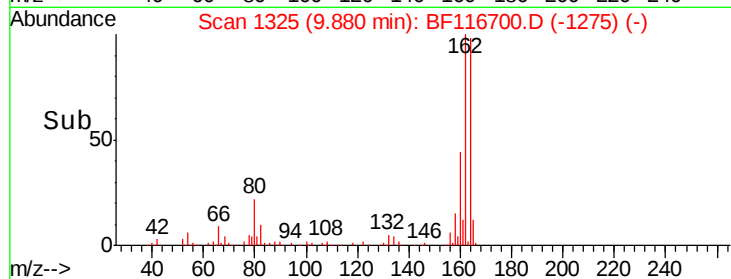
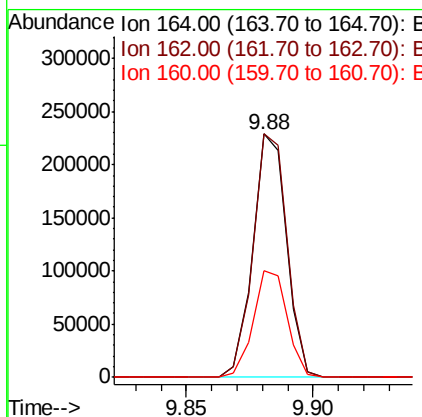
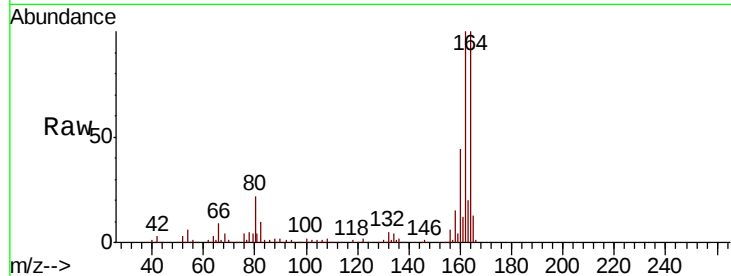
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.8	81.4	122.0	
160	43.7	35.4	53.2	

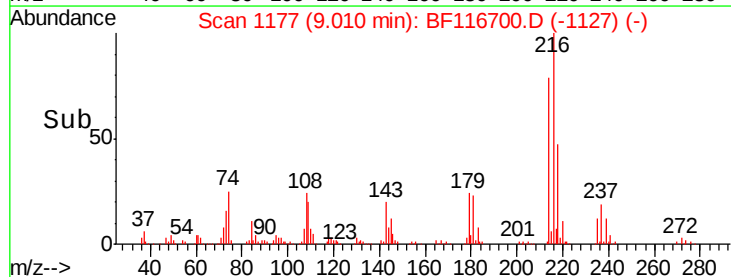
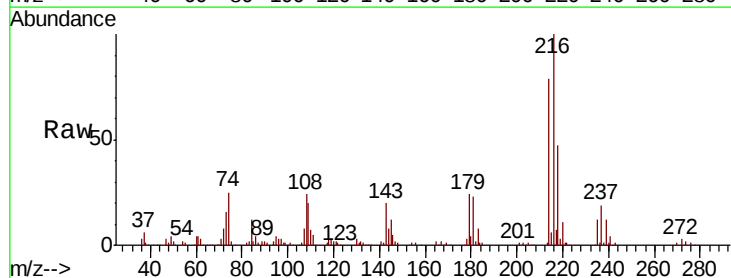
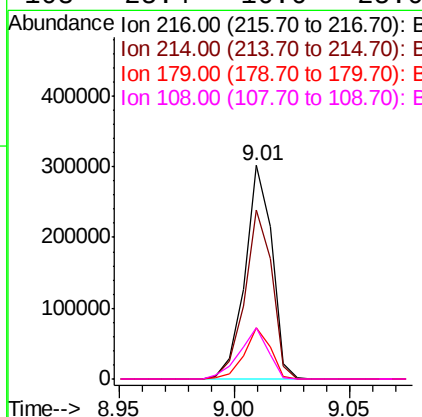
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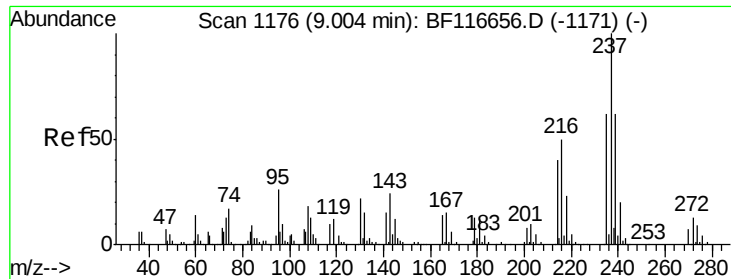
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.570 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.5	62.7	94.1	
179	23.4	19.3	28.9	
108	25.4	16.6	25.0	#





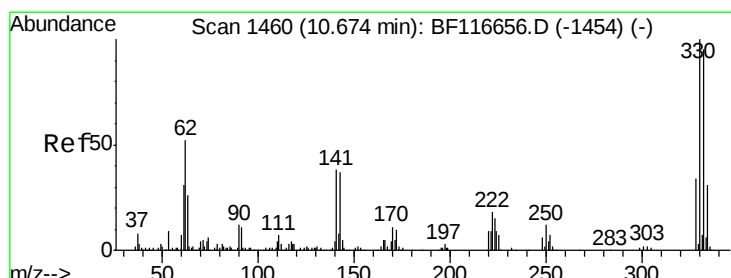
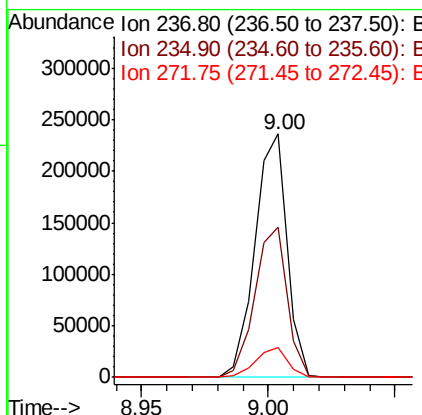
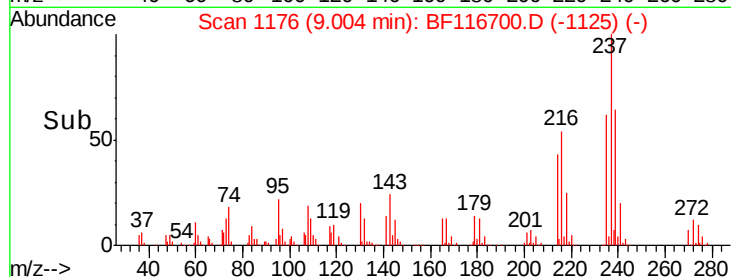
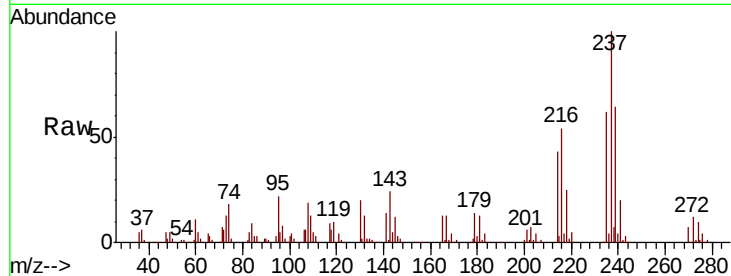
#41
Hexachlorocyclopentadiene
Concen: 70.786 ng
RT: 9.00 min Scan# 1176
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
237	100		207993		
235	61.6	41.4	81.4		
272	12.1	0.0	32.8		

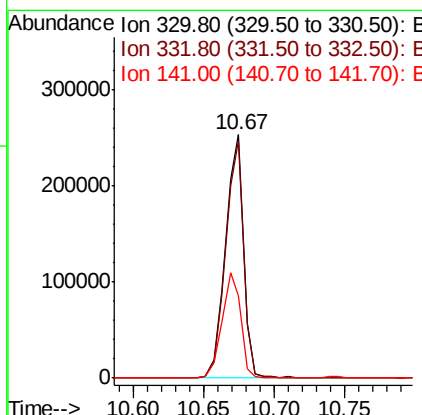
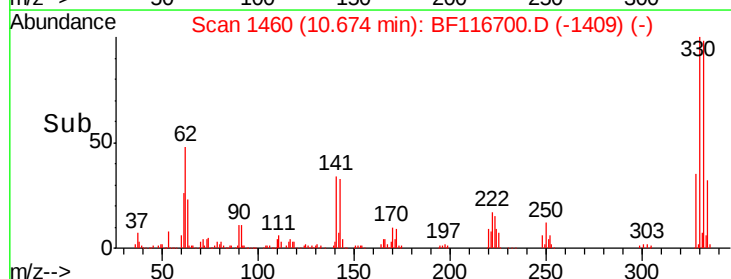
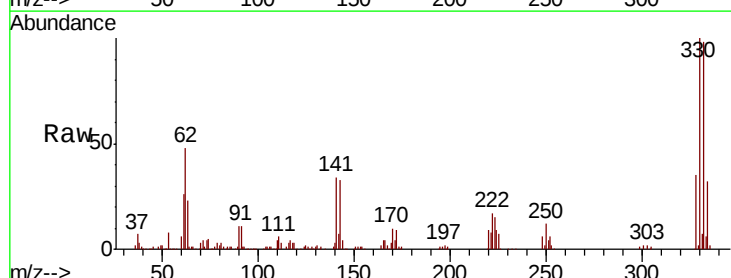
Manual Integrations
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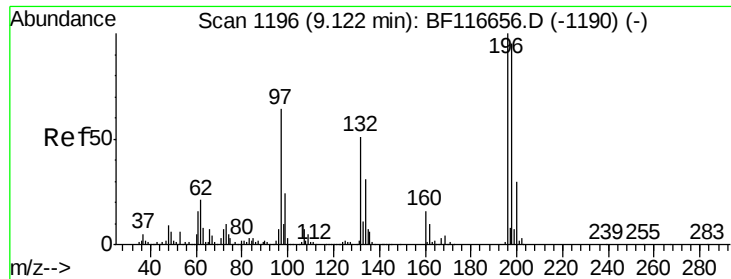
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#42
2,4,6-Tribromophenol
Concen: 159.089 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
330	100		225749		
332	97.1	76.9	115.3		
141	44.9	31.4	47.2		





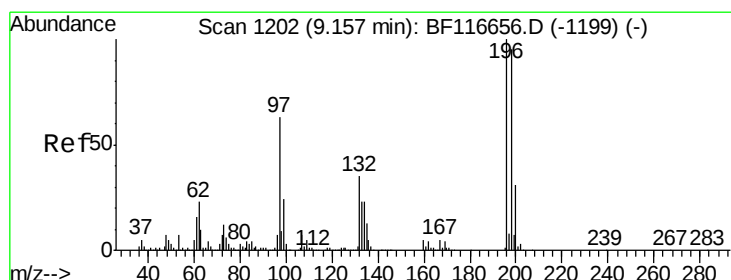
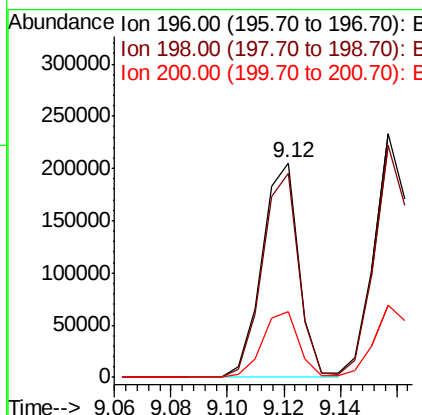
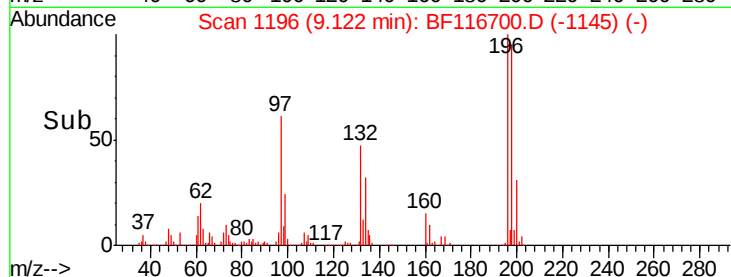
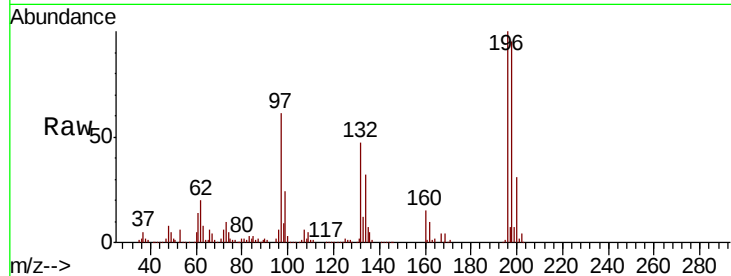
#43
2,4,6-Trichlorophenol
Concen: 53.375 ng
RT: 9.12 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		186171		
198	95.3	79.1	118.7		
200	30.7	24.0	36.0		

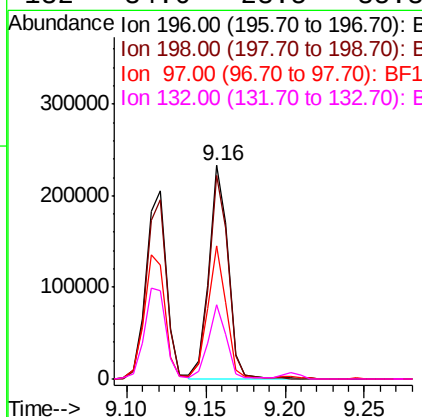
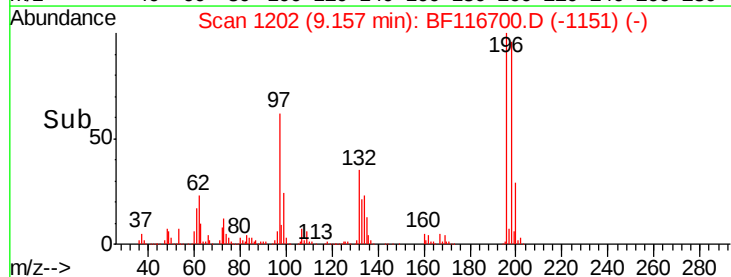
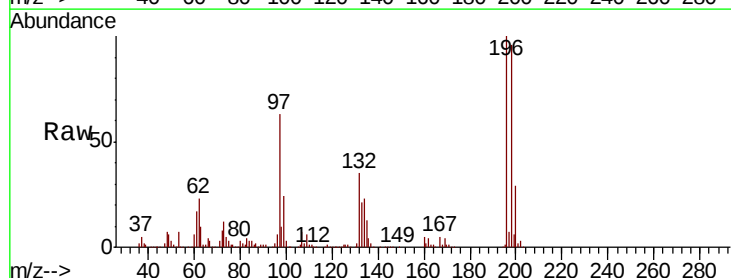
Manual Integrations
APPROVED

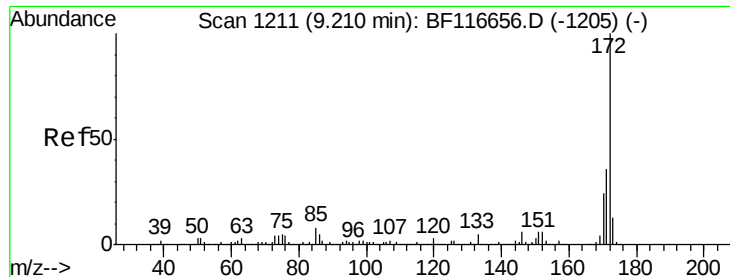
mohammad
9/5/2019 9:23:34 AM



#44
2,4,5-Trichlorophenol
Concen: 54.714 ng
RT: 9.16 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
196	100		198127		
198	95.6	78.1	117.1		
97	62.5	41.6	62.4		
132	34.6	23.5	35.3		





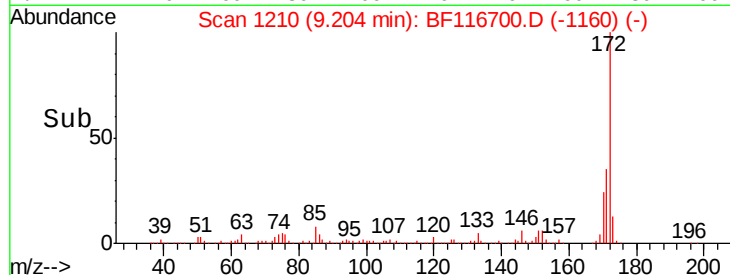
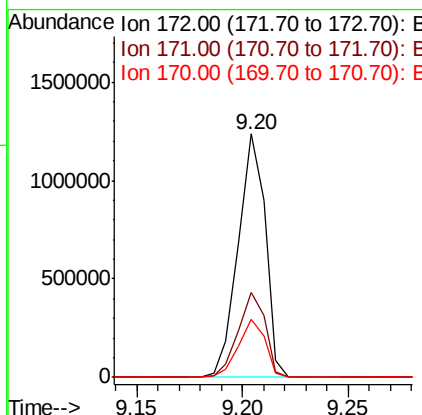
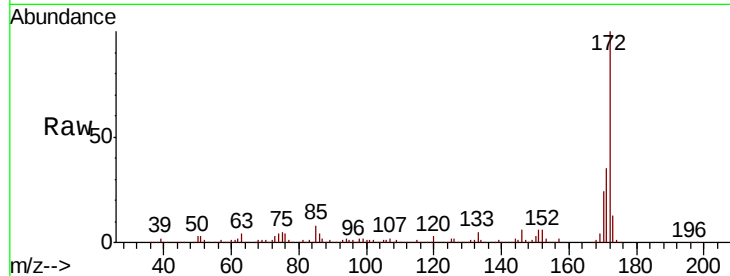
#45
 2-Fluorobiphenyl
 Concen: 87.373 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116700.D
 Acq: 31 Aug 2019 15:39

Instrument :
 BNA_F
 ClientSampleId :
 S602A-M-1.0-1.5-083019MSD

Tot Ion:172	Resp: 1099407		
Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.6
170	23.8	18.9	28.3

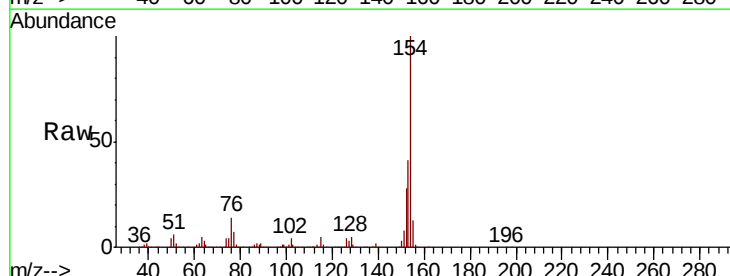
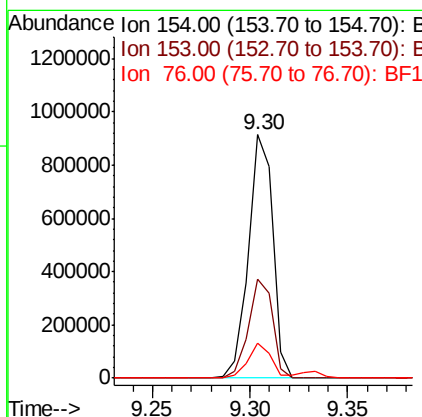
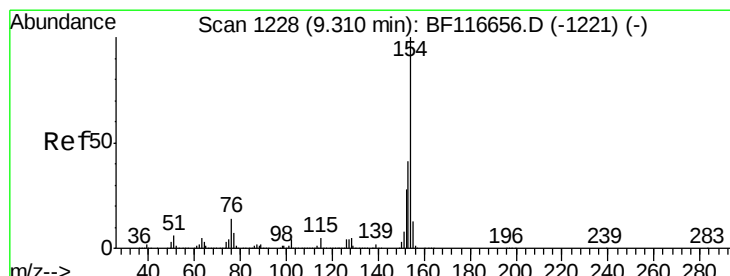
Manual Integrations
 APPROVED

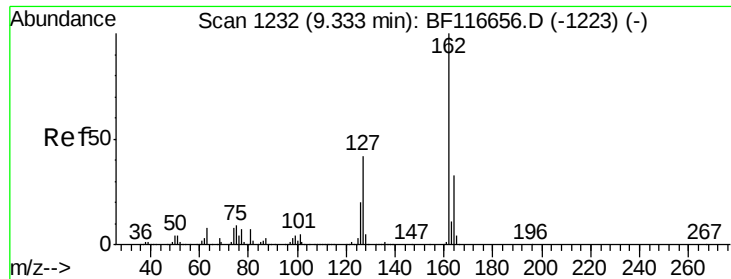
mohammad
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#46
 1,1'-Biphenyl
 Concen: 49.023 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: BF116700.D
 Acq: 31 Aug 2019 15:39

Tgt Ion:154	Resp: 789595		
Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.2	61.2
76	14.3	0.0	30.9





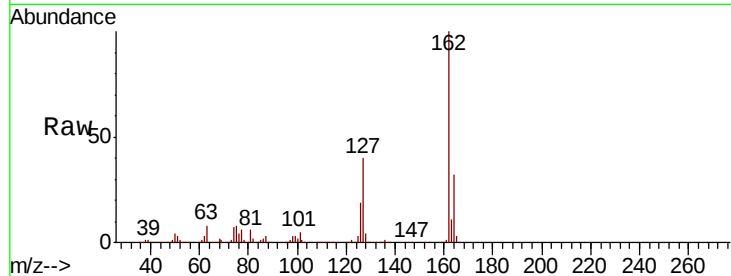
#47
2-Chloronaphthalene
Concen: 49.246 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	628233		
127	40.1	33.4	50.2	
164	32.2	26.6	39.8	

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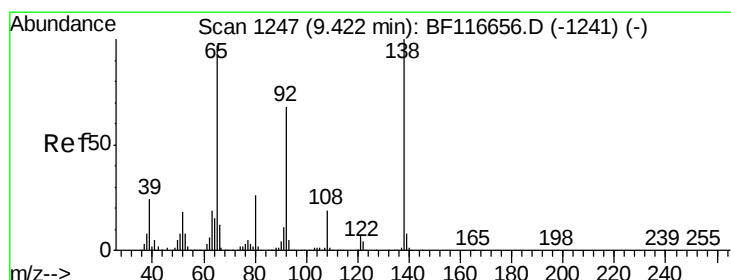
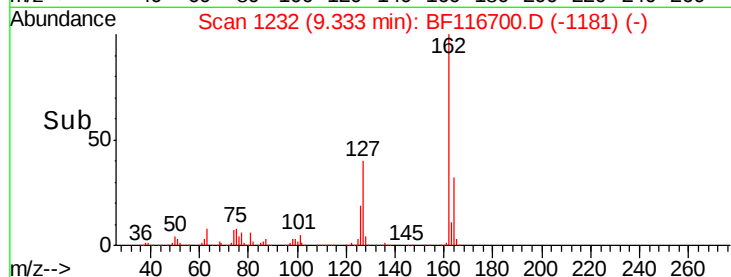
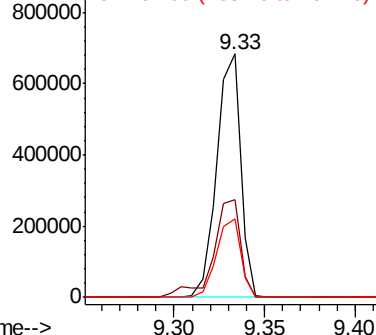


Abundance

Ion 162.00 (161.70 to 162.70): E

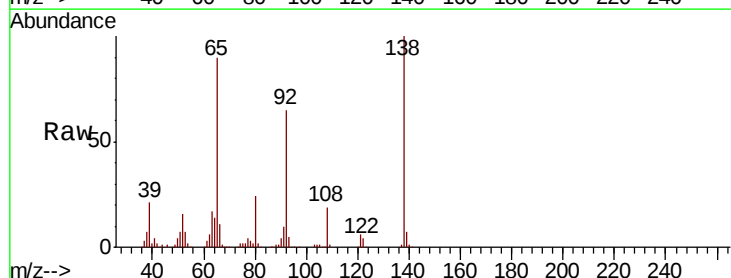
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 55.400 ng
RT: 9.42 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	204320		
92	71.9	57.1	85.7	
138	111.2	88.2	132.2	

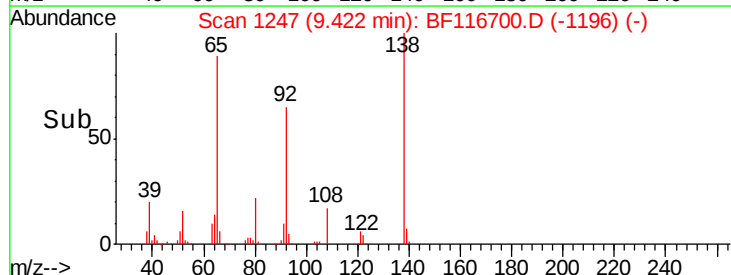
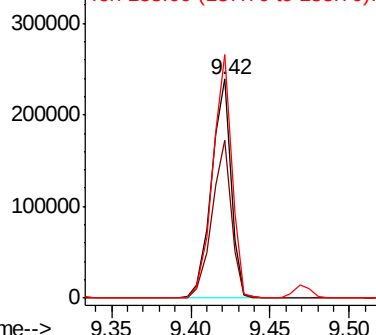


Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





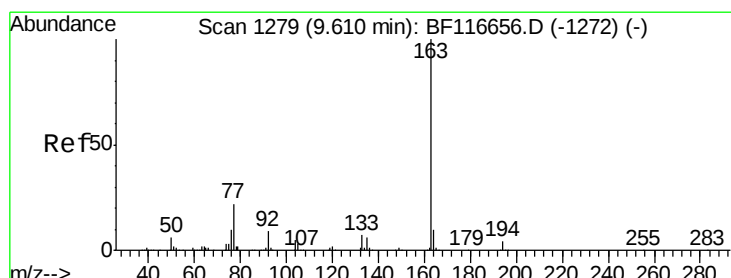
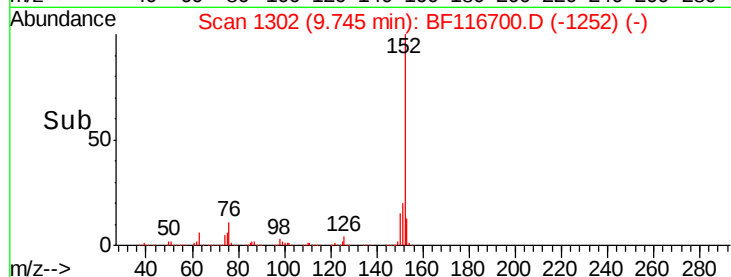
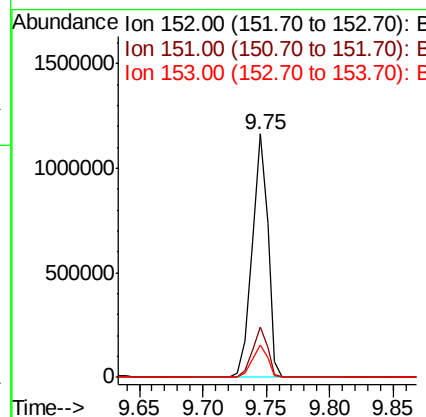
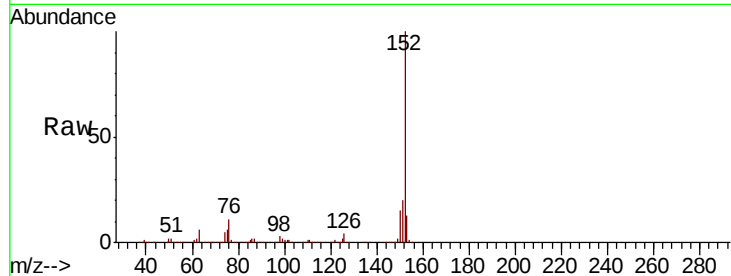
#49
Acenaphthylene
Concen: 51.671 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		996420		
151	20.5		15.9	23.9	
153	13.3		10.9	16.3	

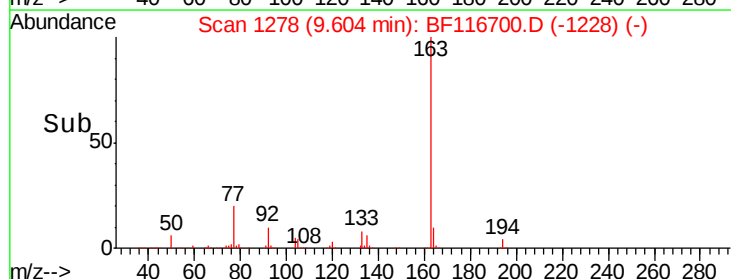
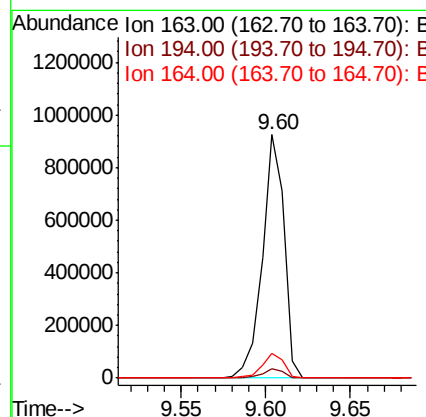
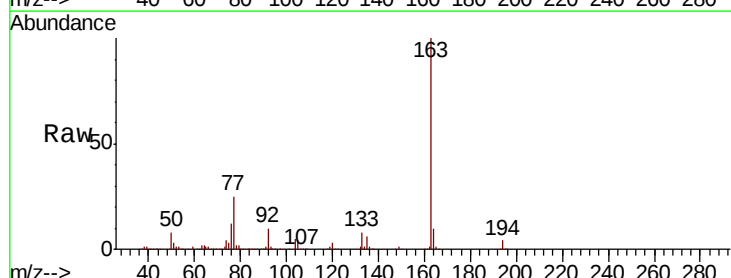
Manual Integrations
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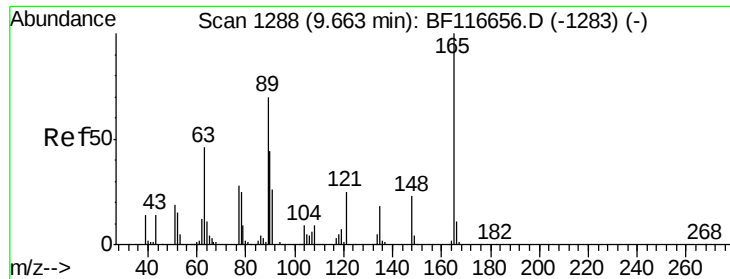
mohammad
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#50
Dimethylphthalate
Concen: 56.634 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		829939		
194	3.7		2.8	4.2	
164	10.4		8.6	12.8	





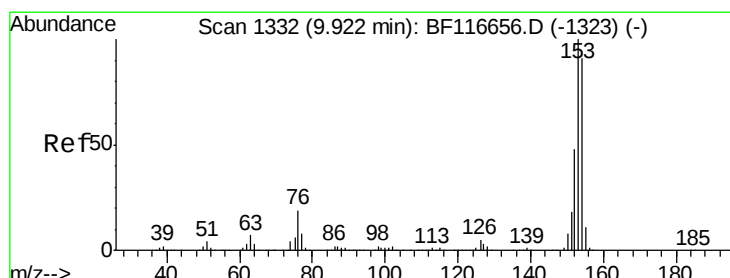
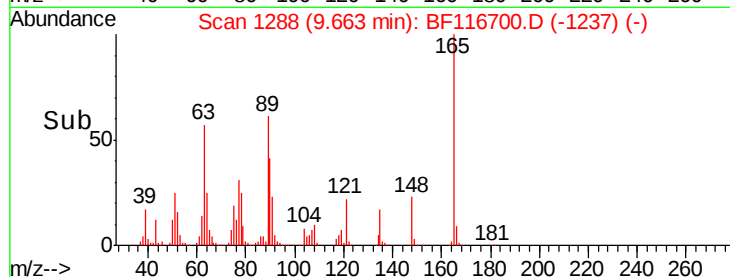
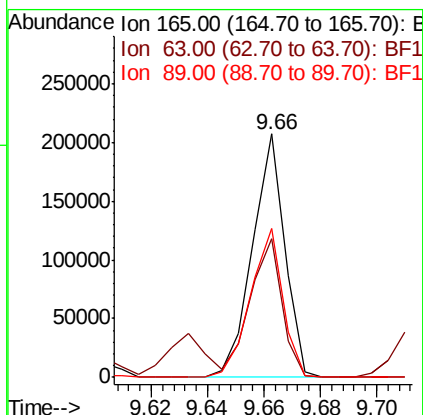
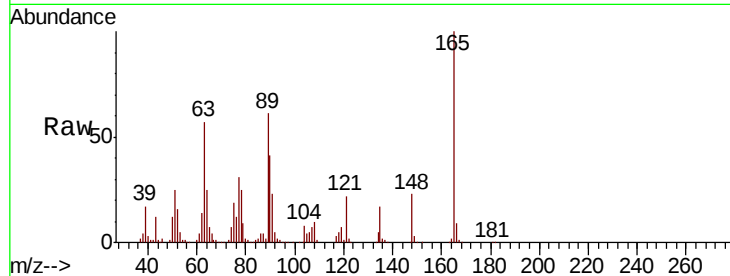
#51
2,6-Dinitrotoluene
Concen: 59.046 ng
RT: 9.66 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		165090		
63	57.0	47.3	70.9		
89	60.9	52.5	78.7		

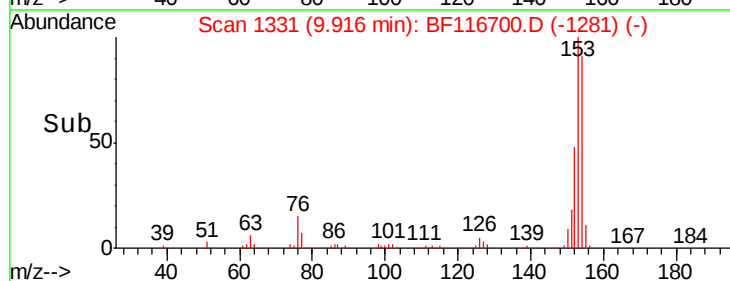
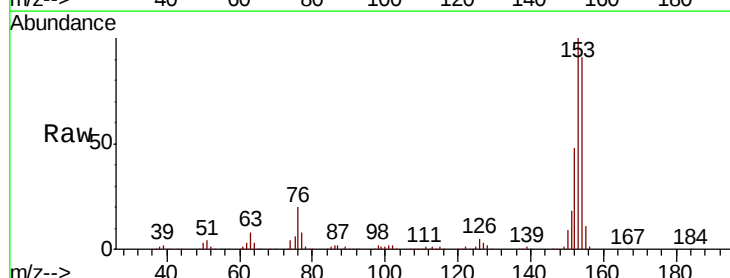
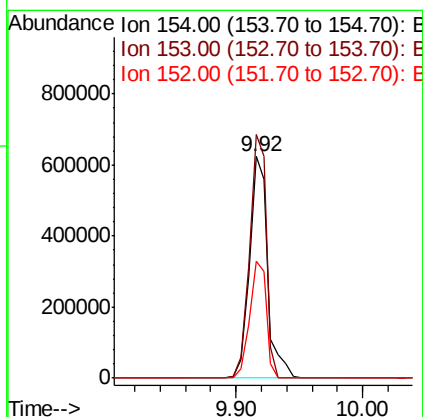
Manual Integrations
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#52
Acenaphthene
Concen: 52.088 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100		617177		
153	110.0	89.5	134.3		
152	53.0	41.9	62.9		





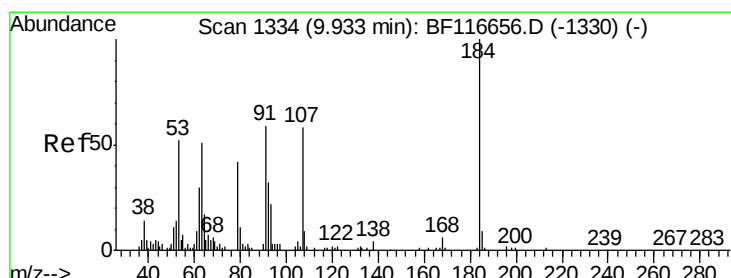
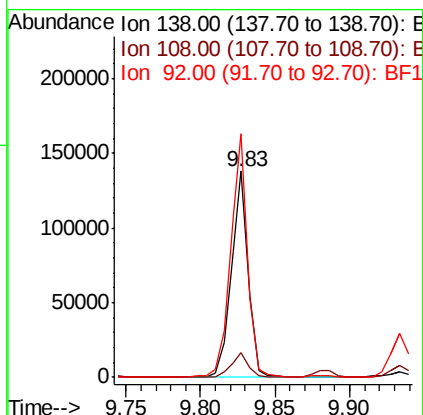
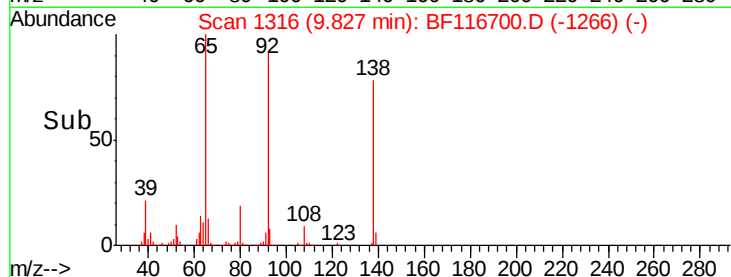
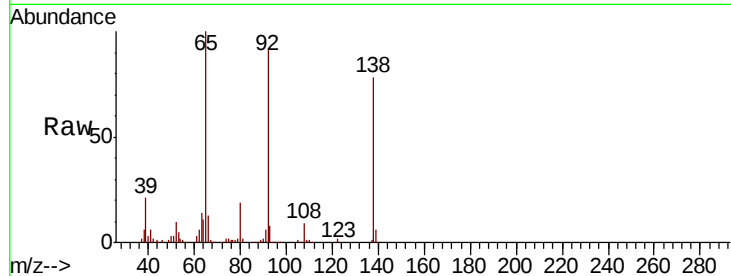
#53
3-Nitroaniline
Concen: 31.407 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.8	8.5	12.7
92	118.1	87.2	130.8

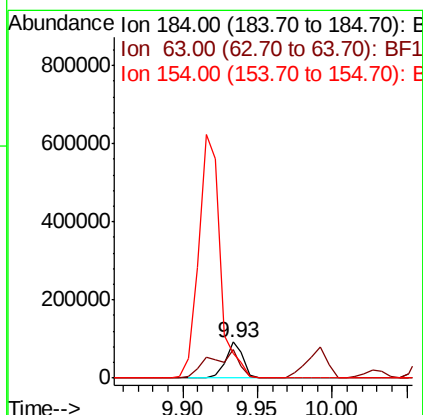
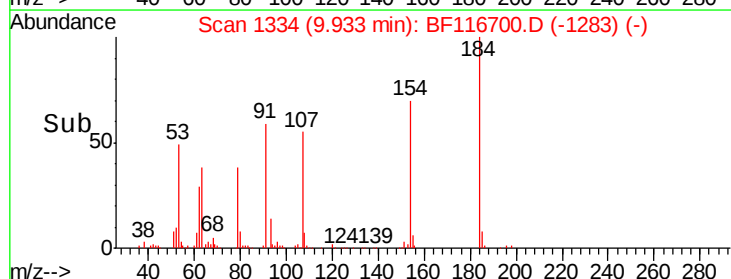
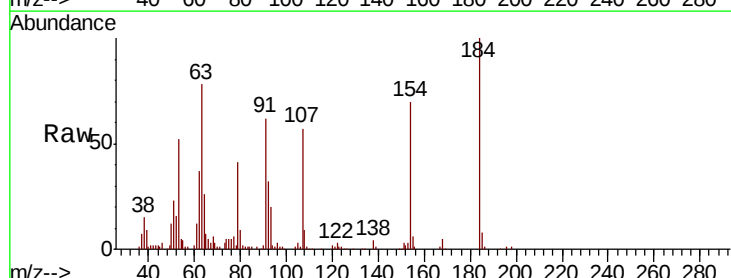
Manual Integrations
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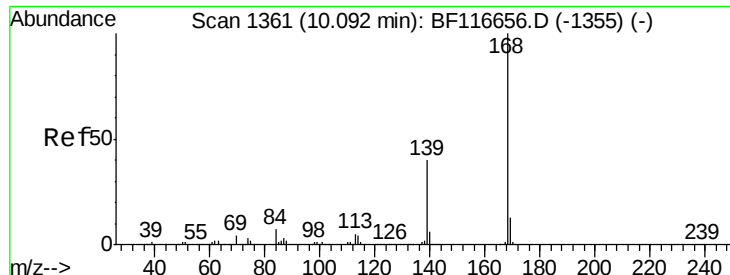
mohammad
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#54
2,4-Dinitrophenol
Concen: 78.231 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
184	100		
63	78.4	52.2	78.2#
154	70.1	60.8	91.2





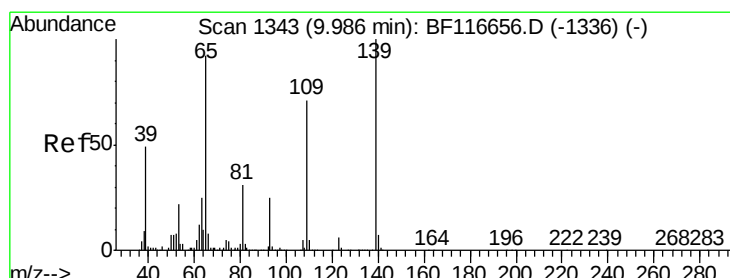
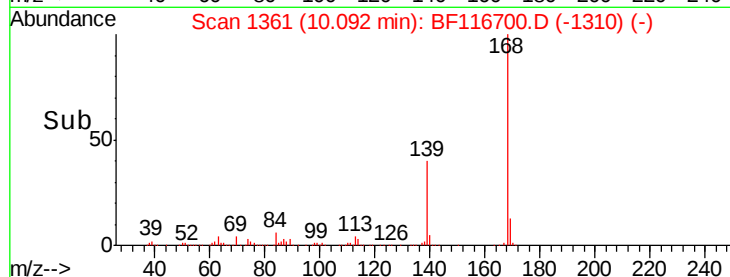
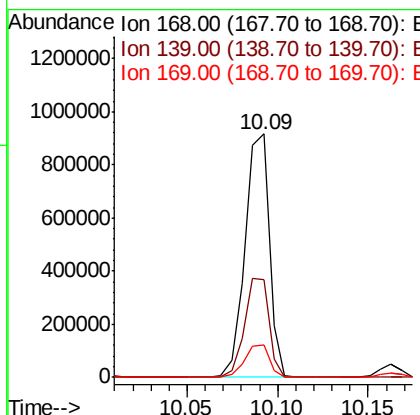
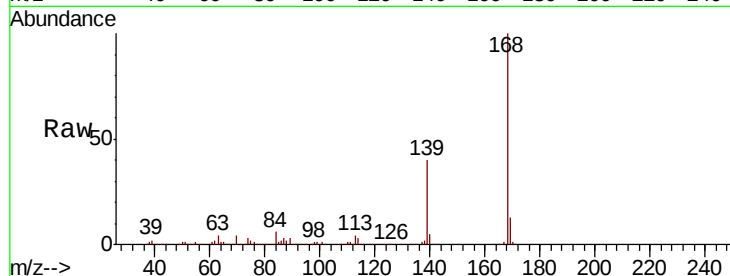
#55
Dibenzofuran
Concen: 51.078 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100	853171		
139	39.9		31.5	47.3
169	13.1		10.3	15.5

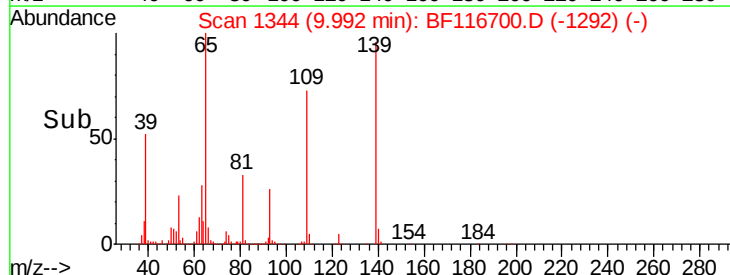
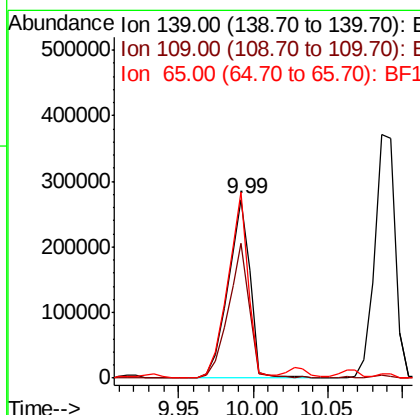
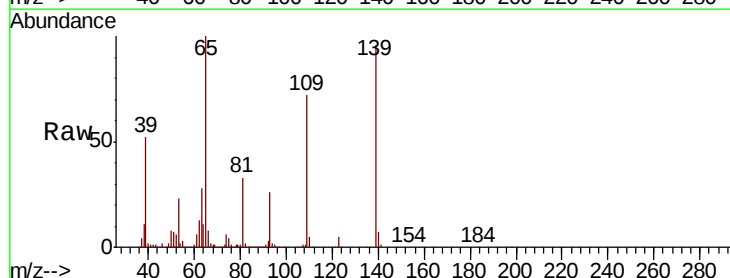
Manual Integrations
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#56
4-Nitrophenol
Concen: 118.397 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	284455		
109	75.6		61.7	101.7
65	104.3		89.1	129.1





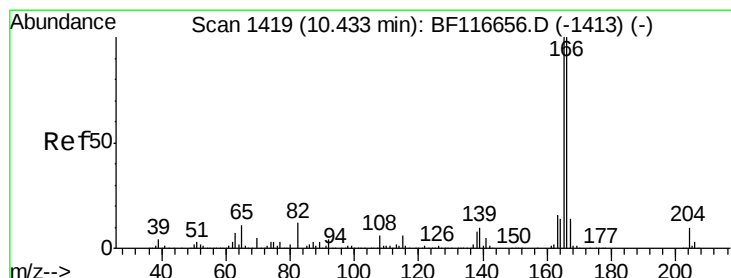
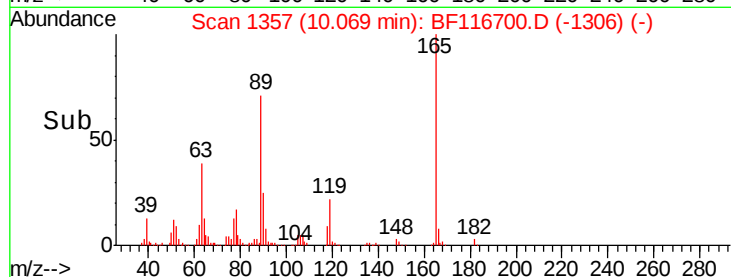
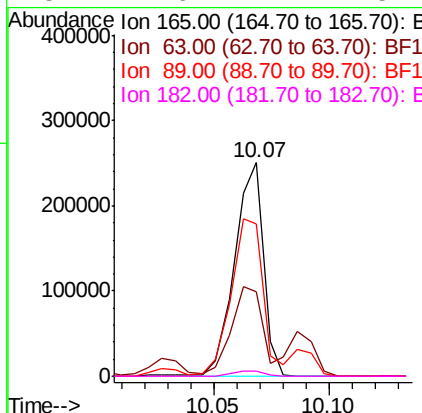
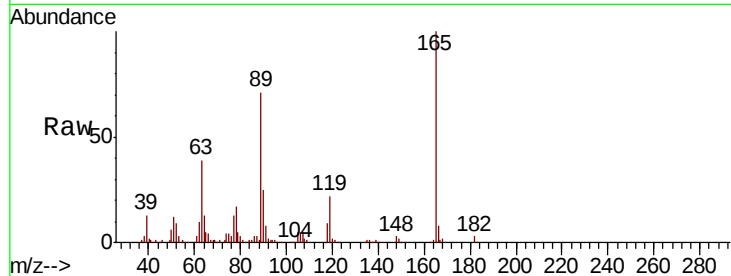
#57
2,4-Dinitrotoluene
Concen: 63.789 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	218079		
63	39.3		36.4	54.6
89	71.2		62.6	94.0
182	2.6		2.1	3.1

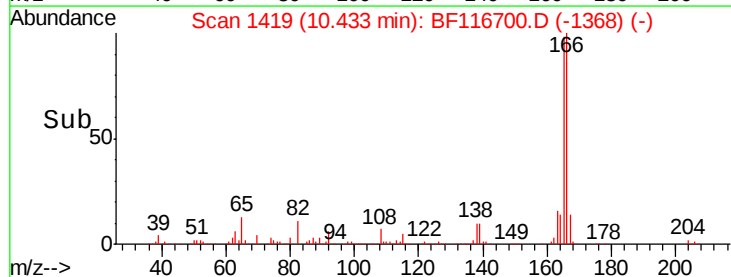
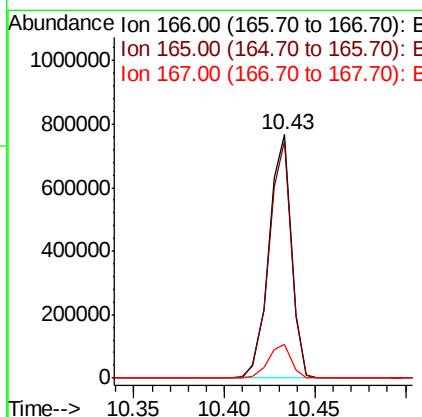
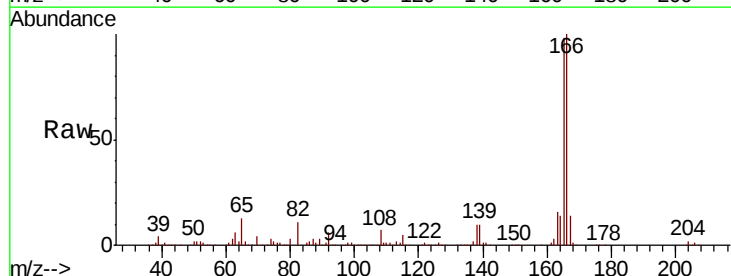
Manual Integrations
APPROVED

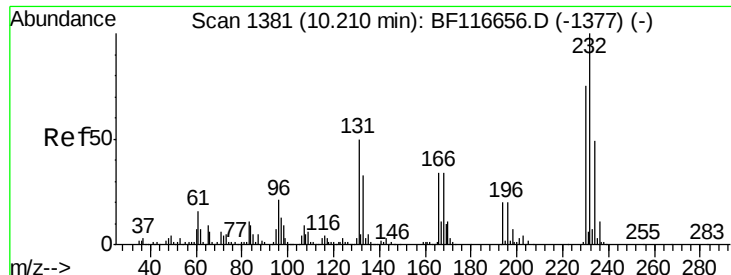
mohammad
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#58
Fluorene
Concen: 51.855 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	659976		
165	97.6		78.8	118.2
167	13.8		10.0	15.0





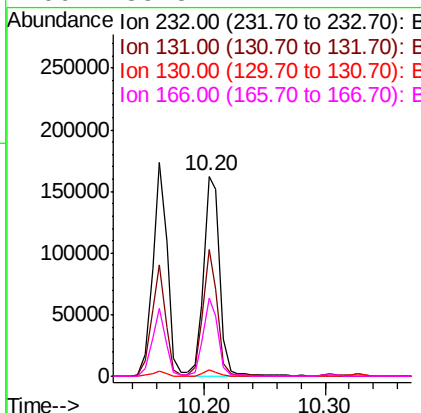
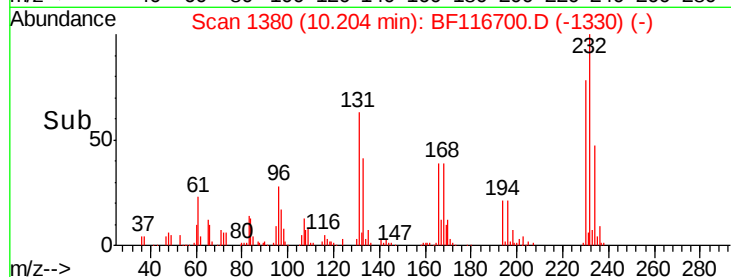
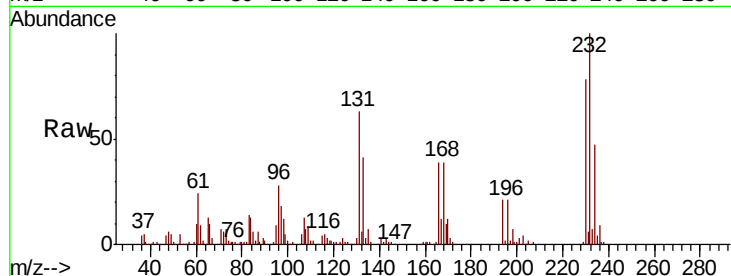
#59
2,3,4,6-Tetrachlorophenol
Concen: 58.168 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	152019		
131	56.3	42.7	64.1	
130	2.6	1.9	2.9	
166	35.8	27.4	41.2	

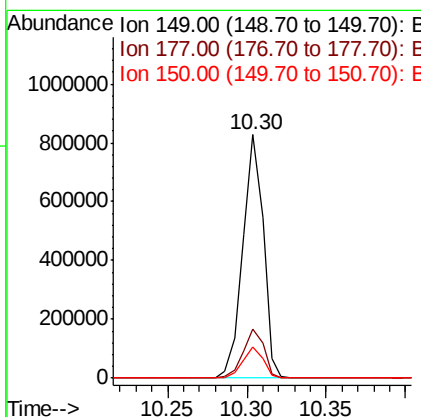
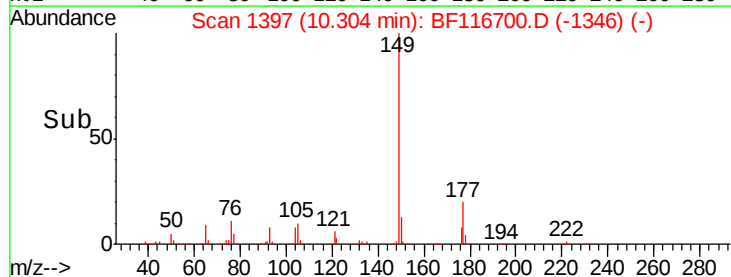
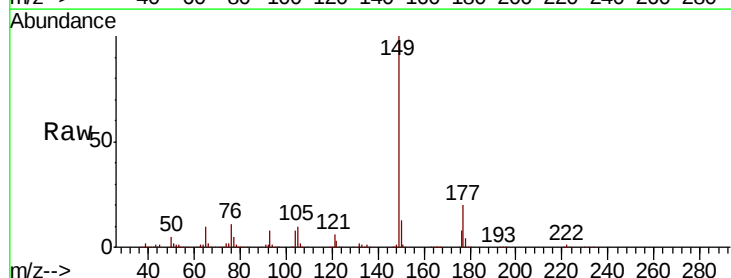
Manual Integrations
APPROVED

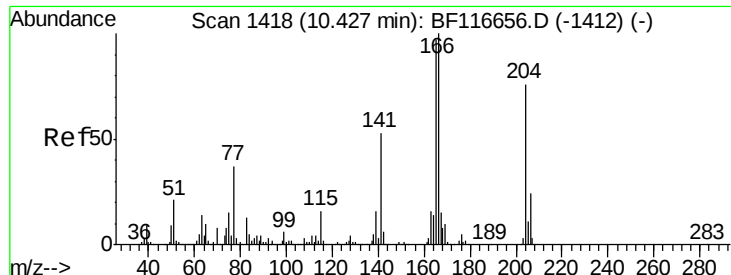
mohammad
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#60
Diethylphthalate
Concen: 50.349 ng
RT: 10.30 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	739091		
177	20.3	17.2	25.8	
150	12.5	9.7	14.5	





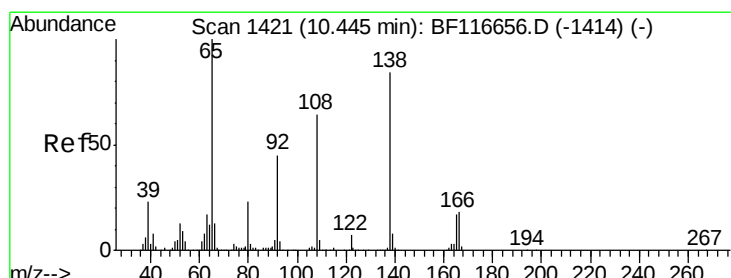
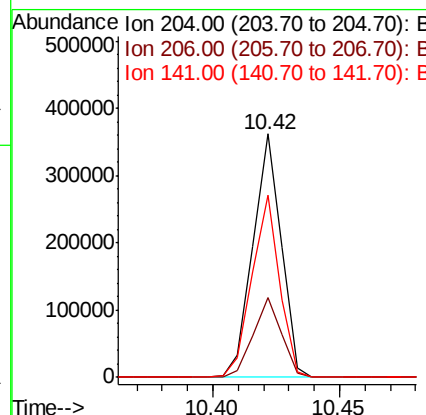
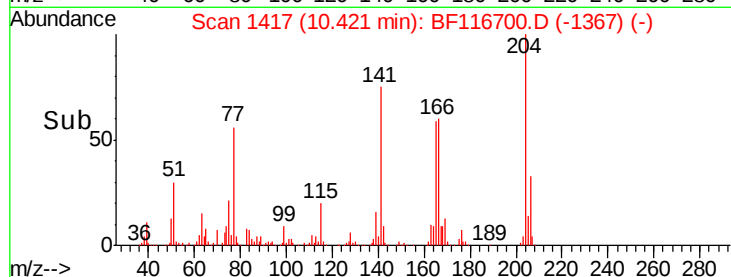
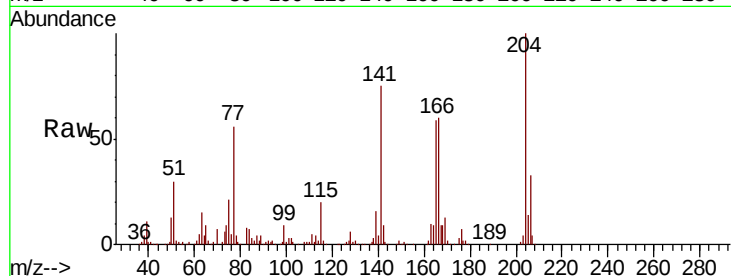
#61
4-Chlorophenyl-phenylether
Concen: 50.650 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100	282285		
206	32.6		25.4	38.2
141	74.8		53.8	80.8

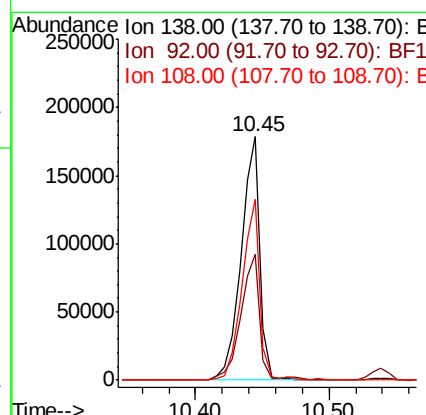
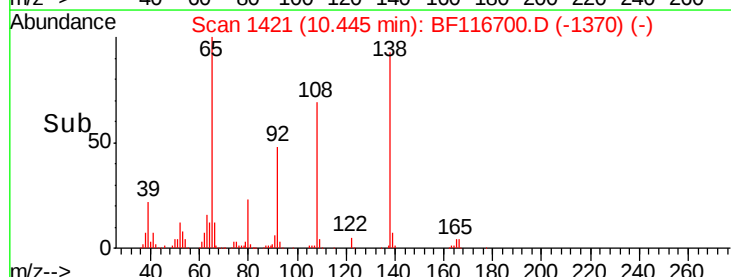
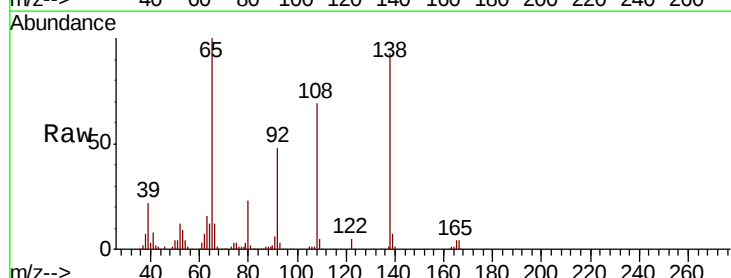
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#62
4-Nitroaniline
Concen: 51.481 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	175057		
92	51.5		28.7	68.7
108	74.2		60.4	100.4





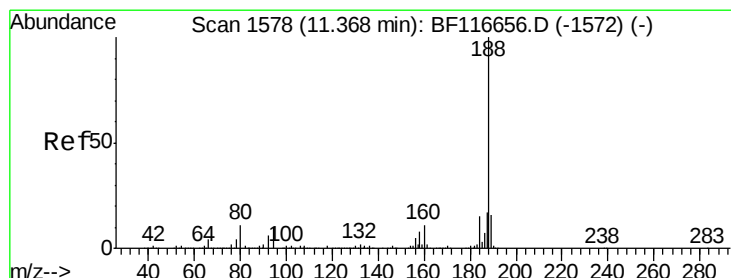
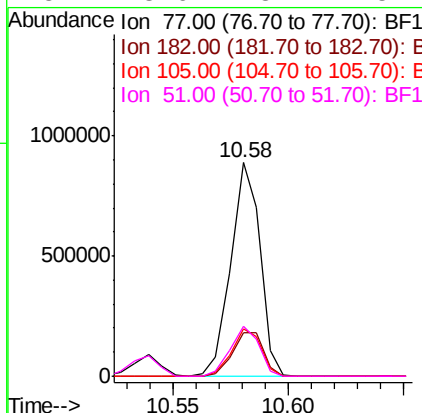
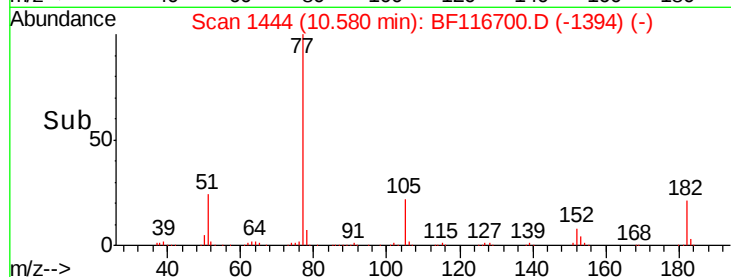
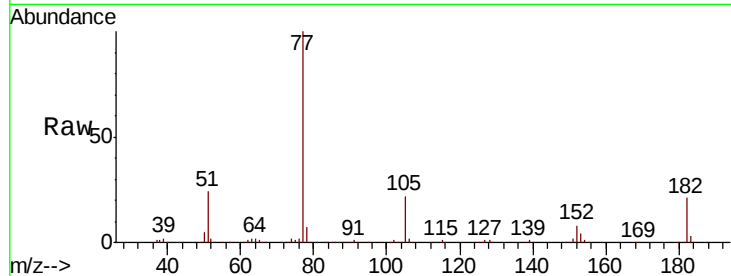
#63
Azobenzene
Concen: 51.185 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	20.7	1.2	41.2		
105	22.1	0.6	40.6		
51	23.6	8.2	48.2		

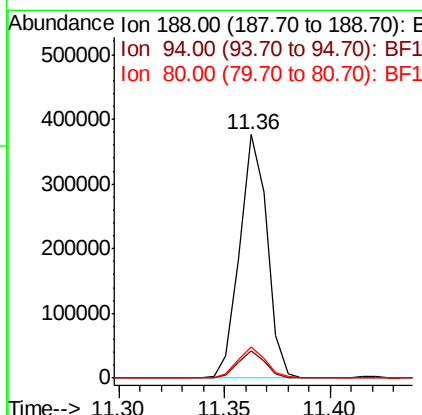
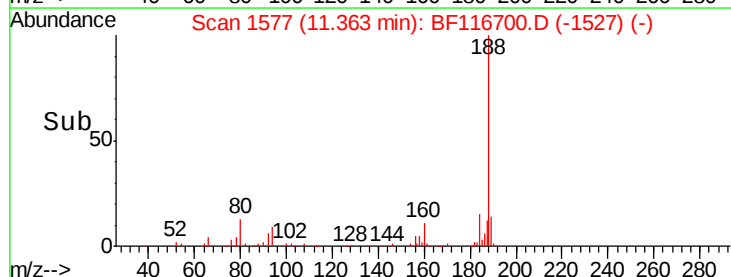
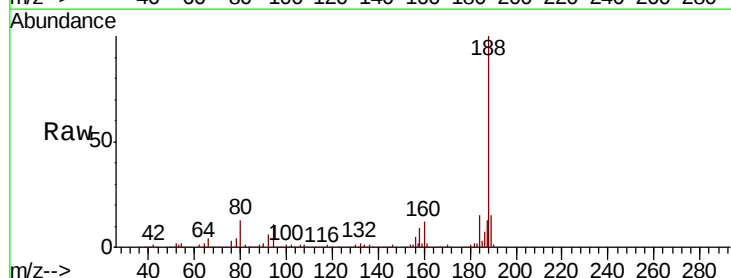
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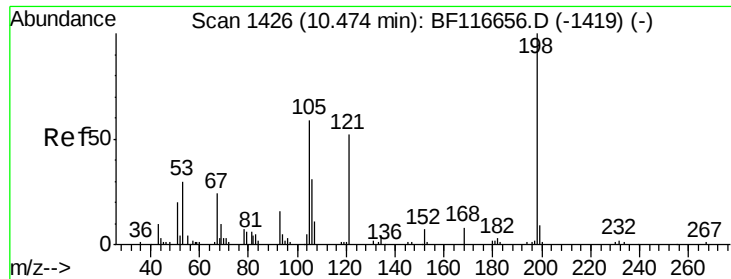
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.2	7.3	10.9#		
80	13.0	8.4	12.6#		





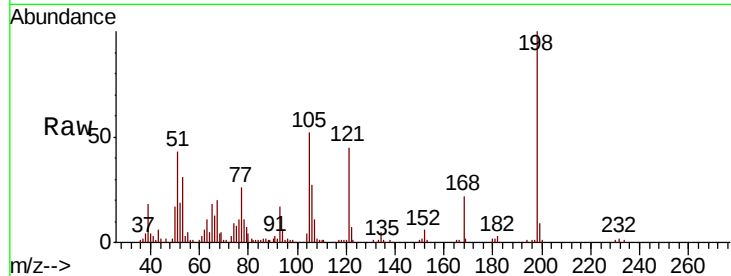
#65
4,6-Dinitro-2-methylphenol
Concen: 52.287 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	65960		
51	43.3		18.4	58.4
105	52.4		22.9	62.9

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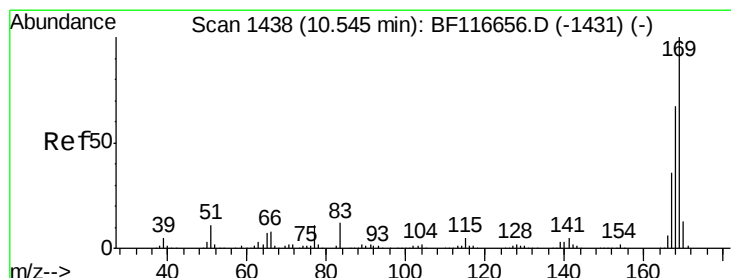
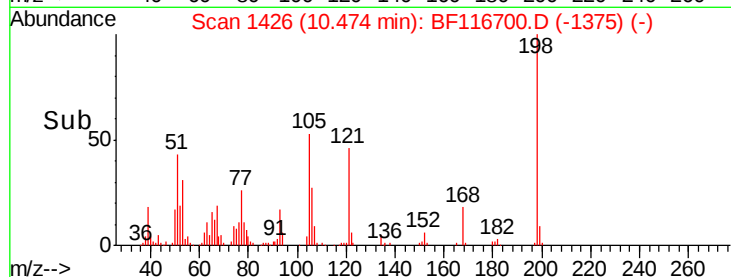
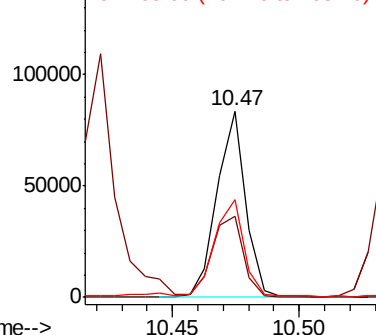


Abundance

Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66
n-Nitrosodiphenylamine
Concen: 52.661 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

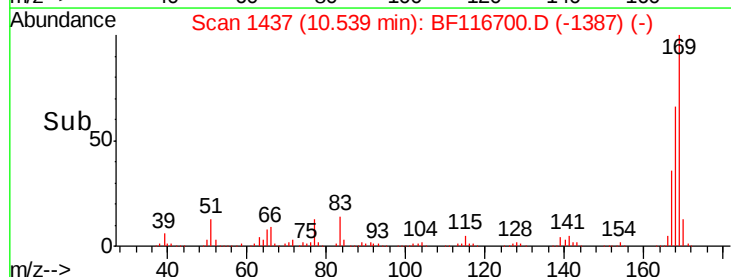
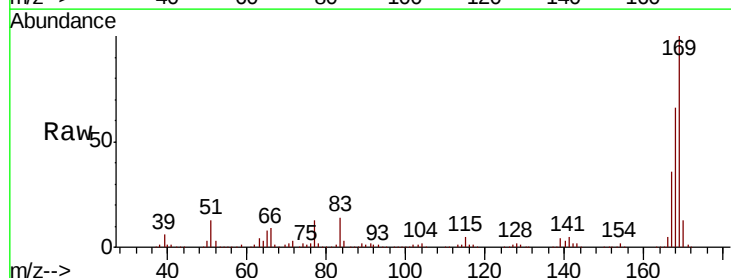
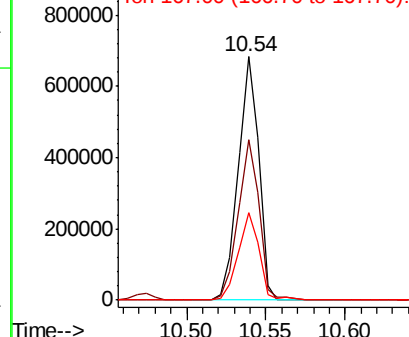
Tgt Ion	Ratio	Resp	Lower	Upper
169	100	614732		
168	66.1		55.8	83.6
167	36.2		29.4	44.2

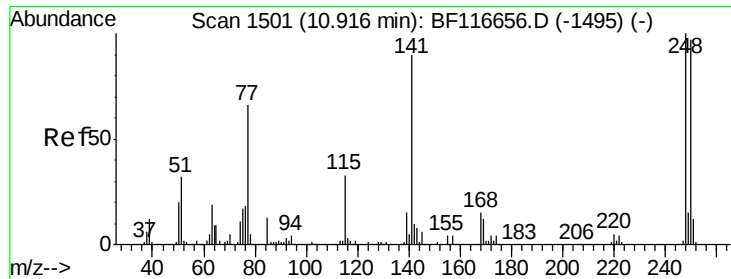
Abundance

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





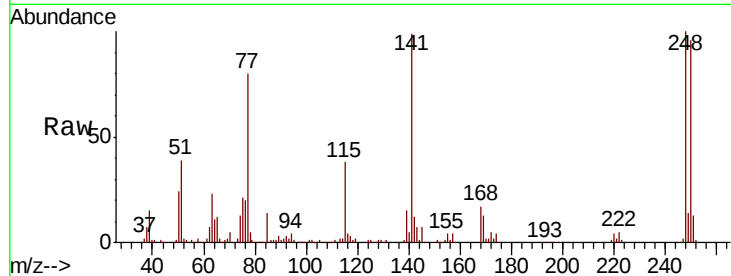
#67
4-Bromophenyl-phenylether
Concen: 49.910 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.9	77.8	116.8
141	99.1	75.9	113.9

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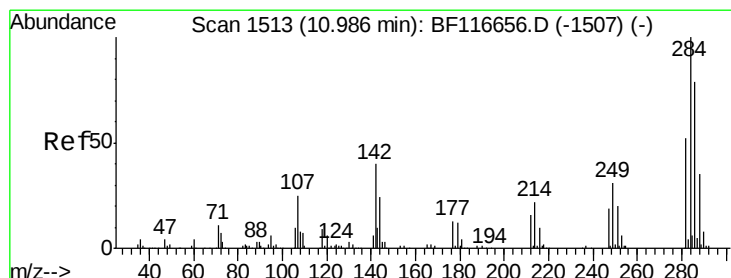
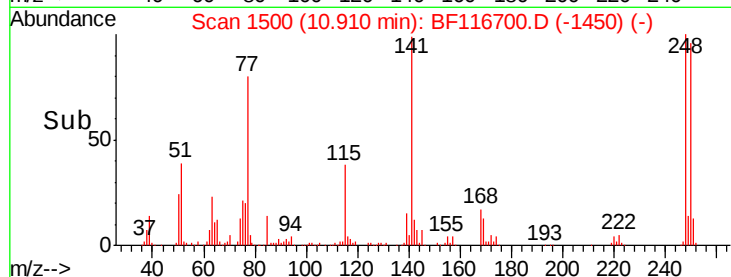
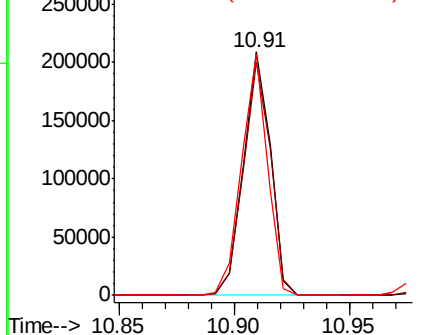


Abundance

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: 48.863 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

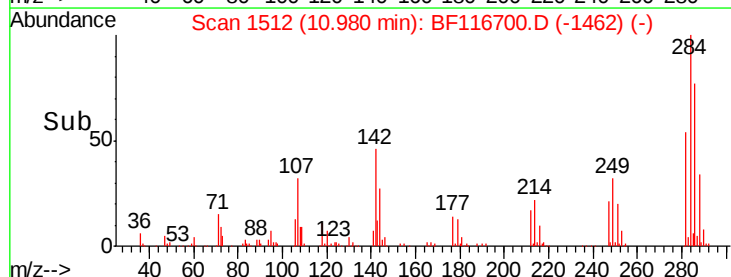
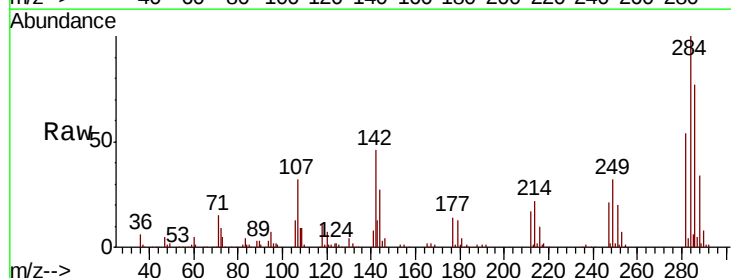
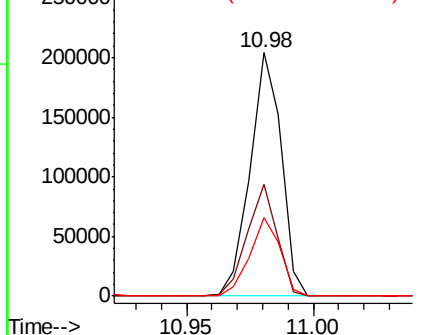
Tgt Ion	Ratio	Lower	Upper
284	100		
142	46.1	34.0	51.0
249	32.2	26.4	39.6

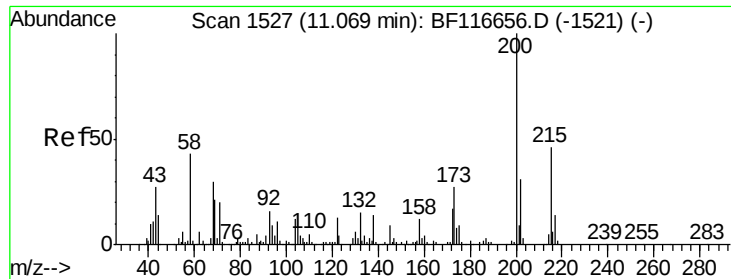
Abundance

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





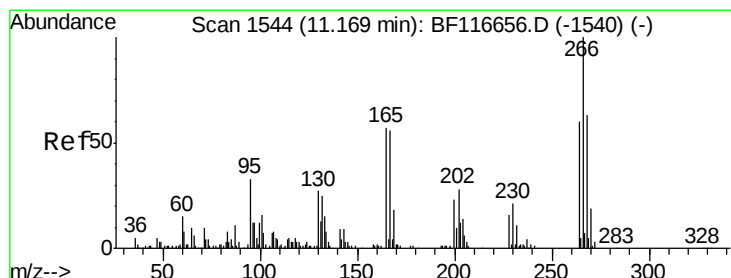
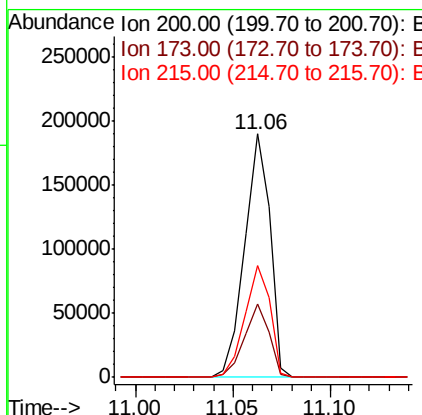
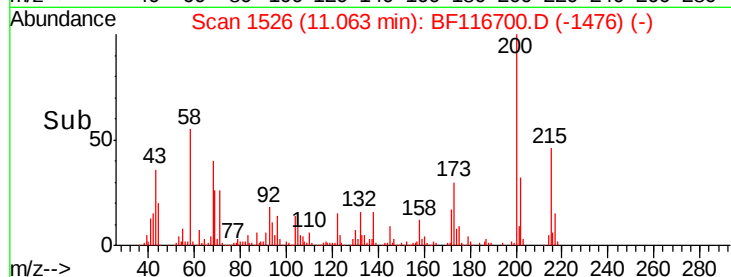
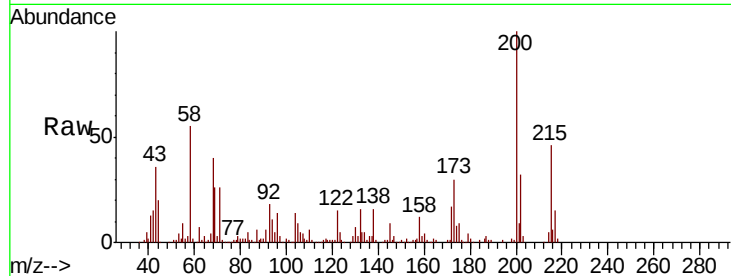
#69
Atrazine
Concen: 52.402 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	30.0	6.2	46.2
215	46.1	24.3	64.3

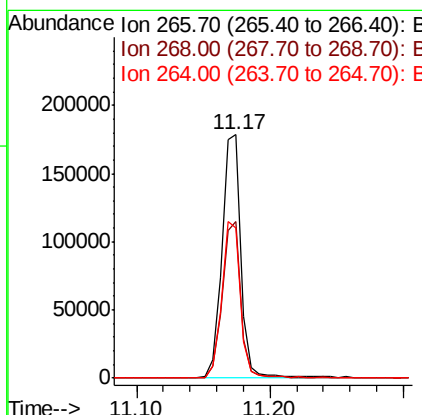
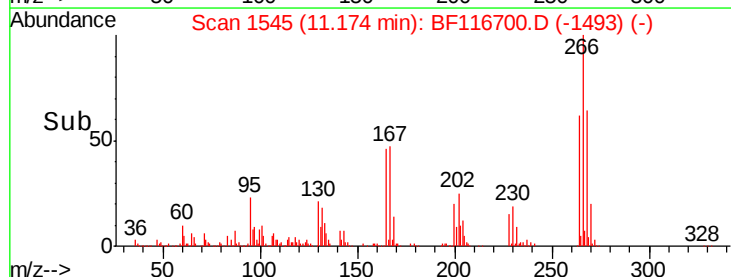
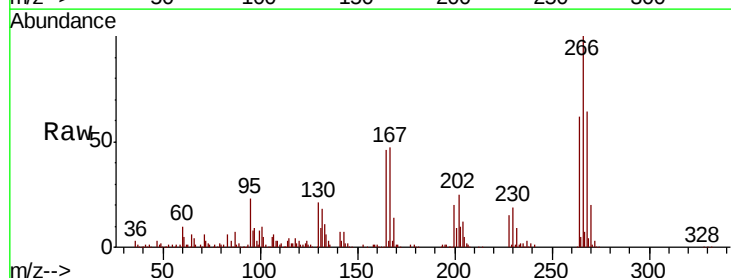
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#70
Pentachlorophenol
Concen: 103.918 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	64.2	51.2	76.8
264	61.9	51.9	77.9





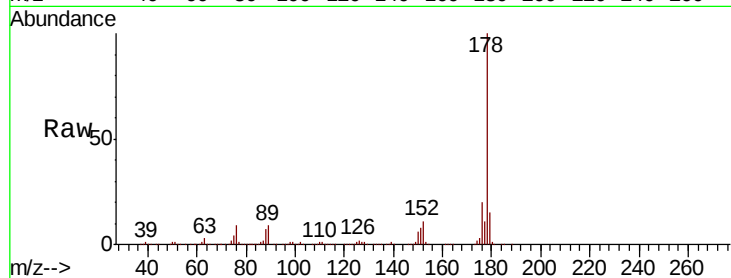
#71
Phenanthrene
Concen: 50.400 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.0
179	15.5	12.2	18.2

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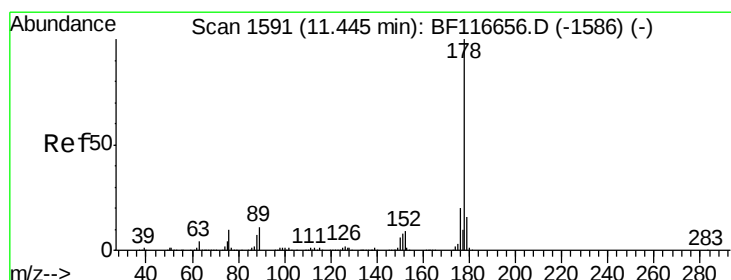
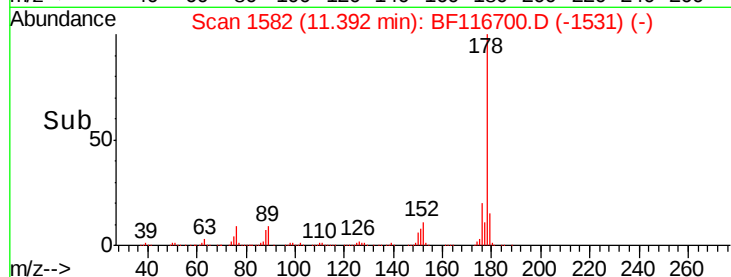
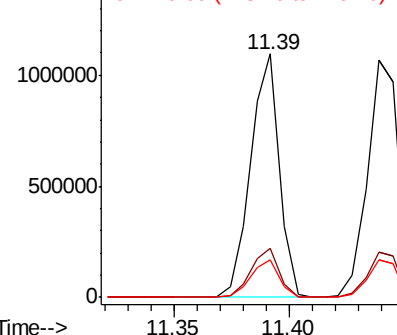


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 51.988 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

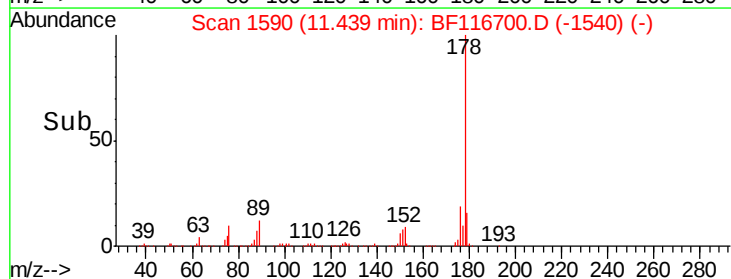
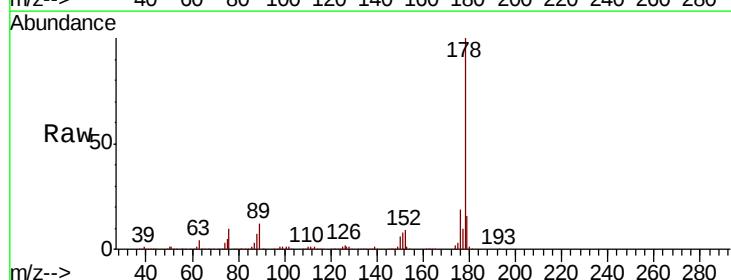
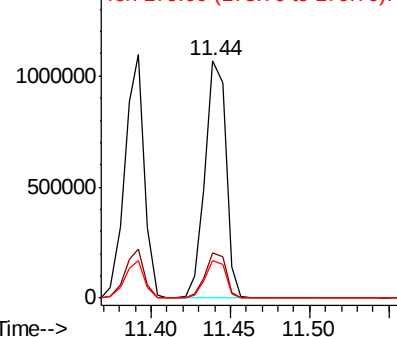
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.8	12.5	18.7

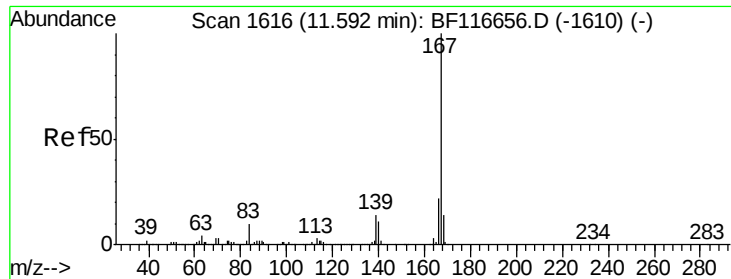
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





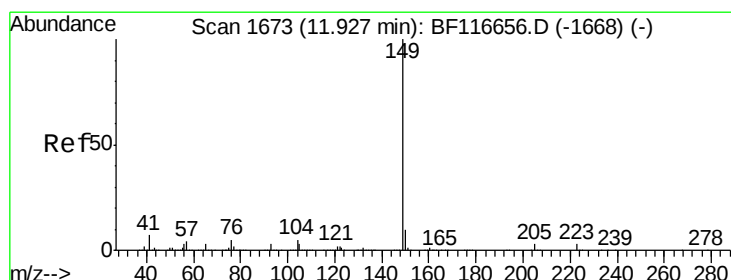
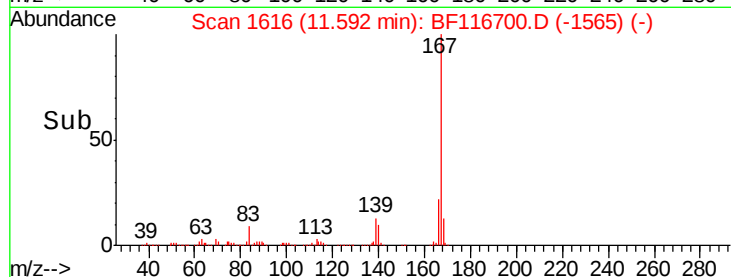
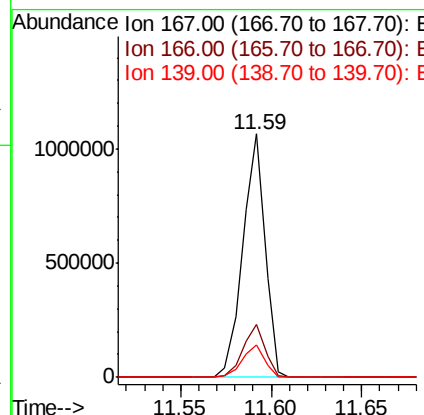
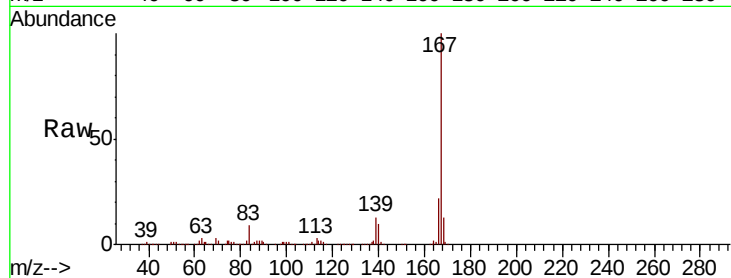
#73
 Carbazole
 Concen: 50.622 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF116700.D
 Acq: 31 Aug 2019 15:39

Instrument :
 BNA_F
 ClientSampleId :
 S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.6
139	13.5	11.1	16.7

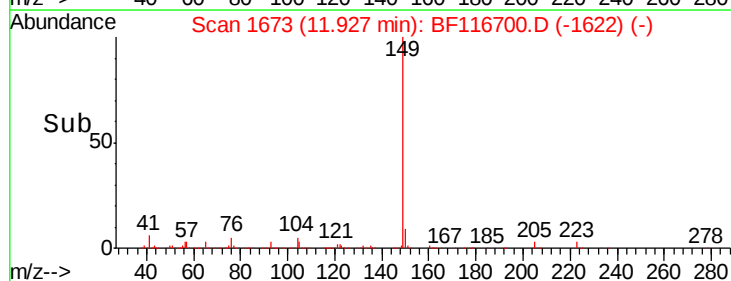
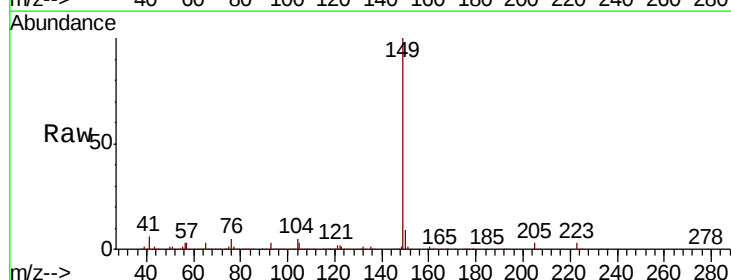
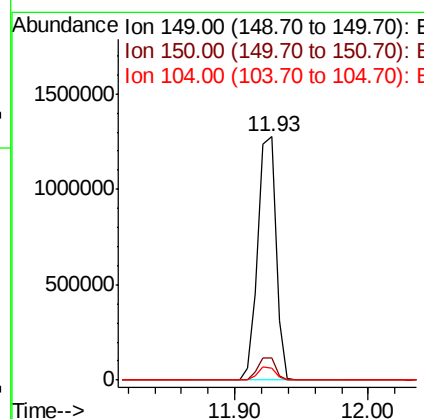
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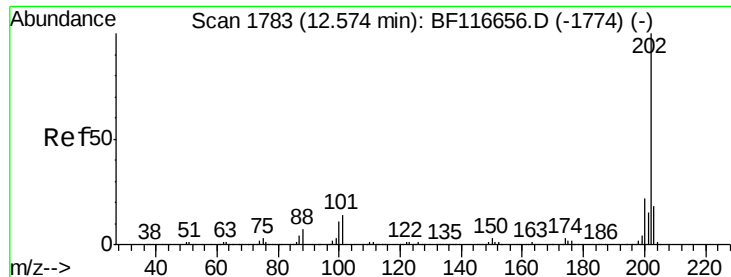
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#74
 Di-n-butylphthalate
 Concen: 51.261 ng
 RT: 11.93 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: BF116700.D
 Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.2	10.8
104	4.9	4.2	6.2





#75

Fluoranthene

Concen: 48.146 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116700.D

Acq: 31 Aug 2019 15:39

Instrument :

BNA_F

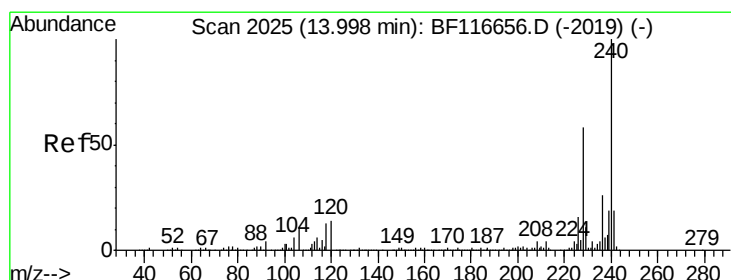
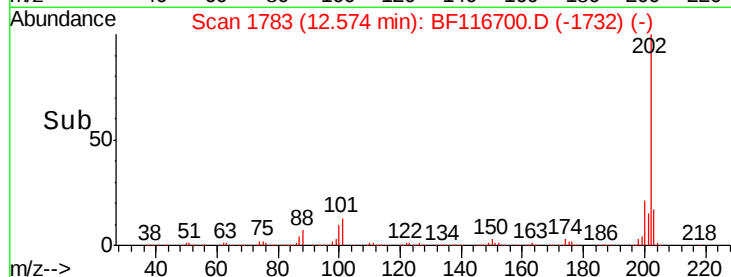
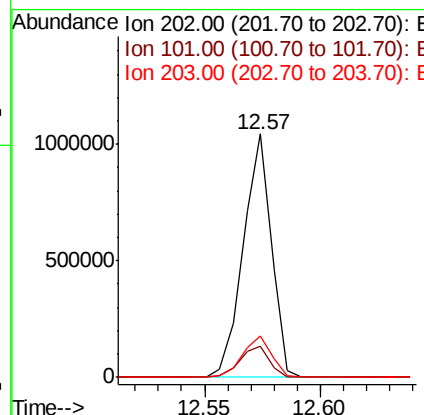
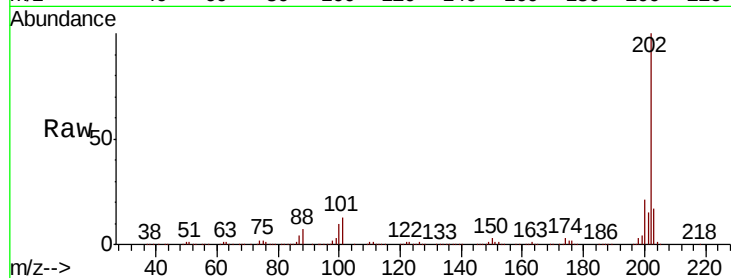
ClientSampleId :

S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	888785		
101	12.8	0.0	31.3	
203	17.1	0.0	37.6	

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#76

Chrysene-d12

Concen: 20.000 ng

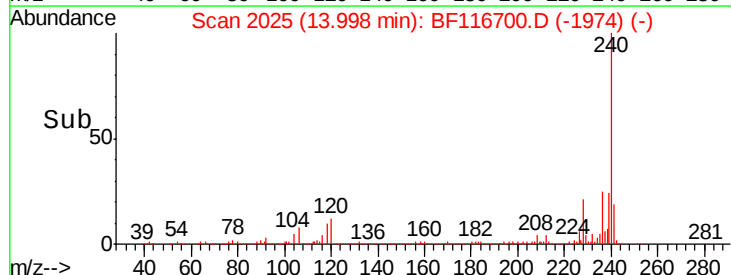
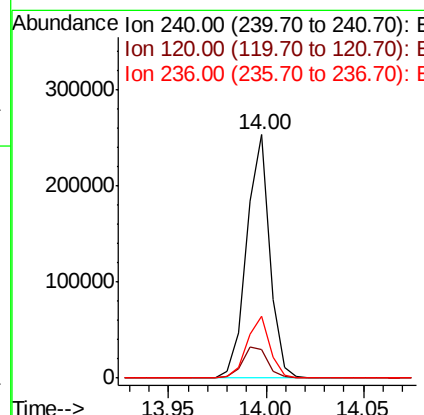
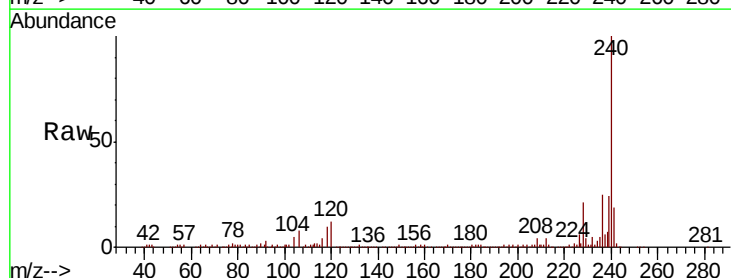
RT: 14.00 min Scan# 2025

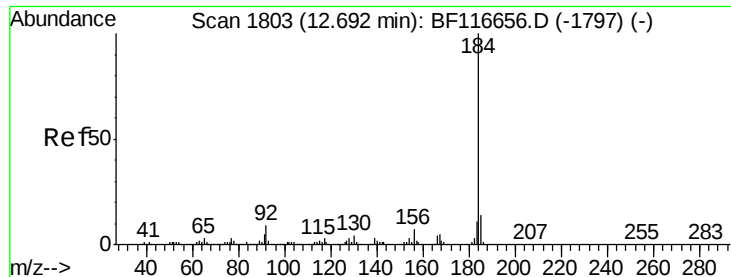
Delta R.T. -0.00 min

Lab File: BF116700.D

Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	207407		
120	11.8	9.1	13.7	
236	25.5	21.1	31.7	





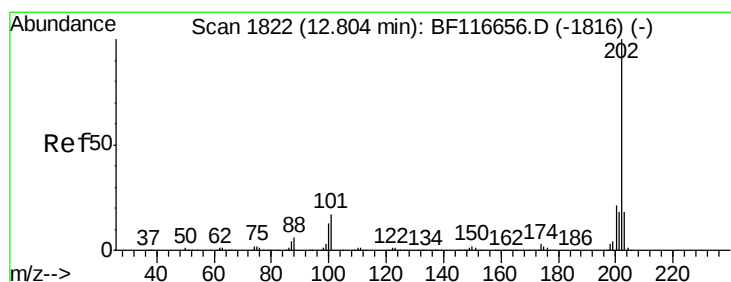
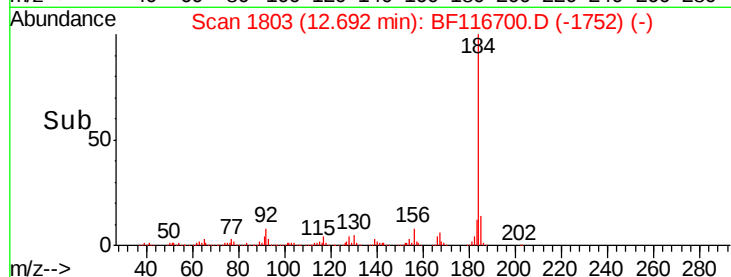
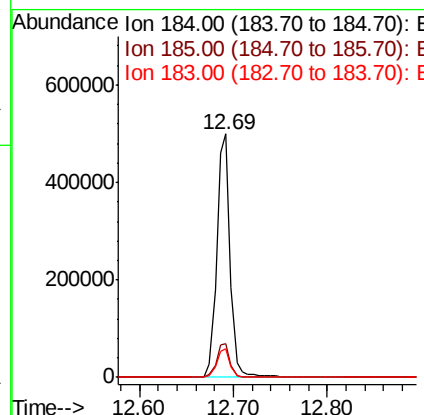
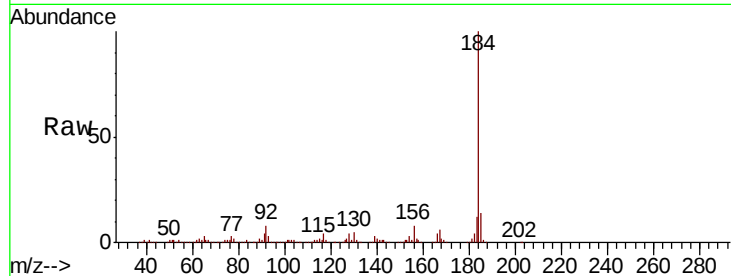
#77
Benzidine
Concen: 62.216 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
185	13.9	11.3	16.9	
183	11.9	9.2	13.8	

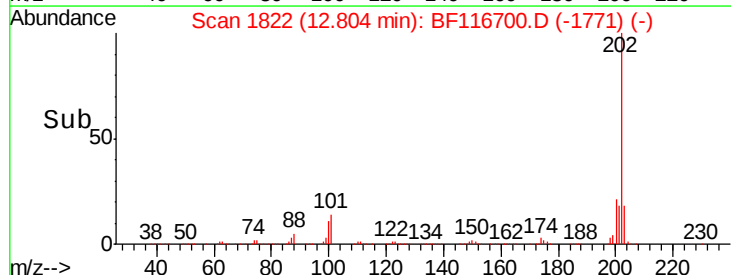
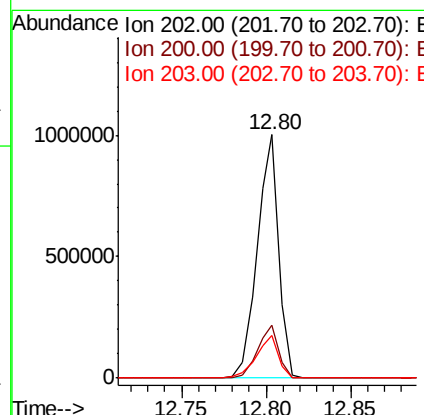
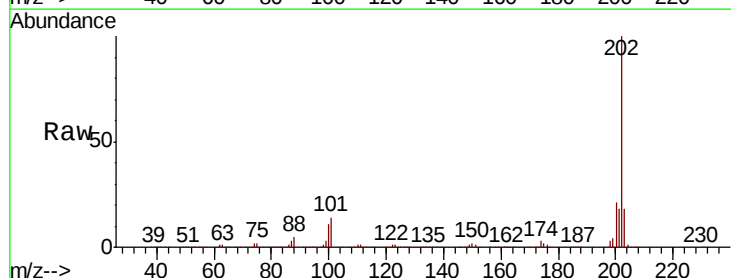
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#78
Pyrene
Concen: 48.113 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.5	16.5	24.7	
203	17.6	13.7	20.5	





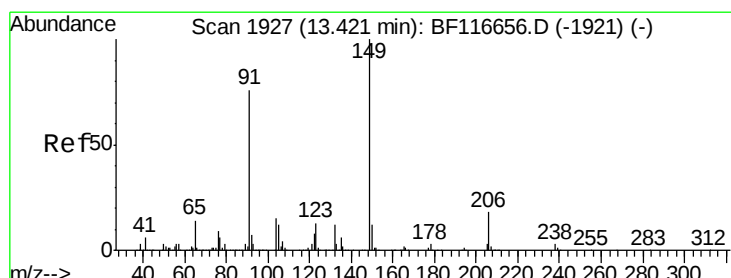
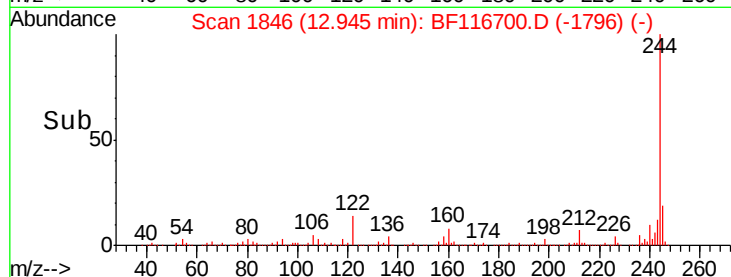
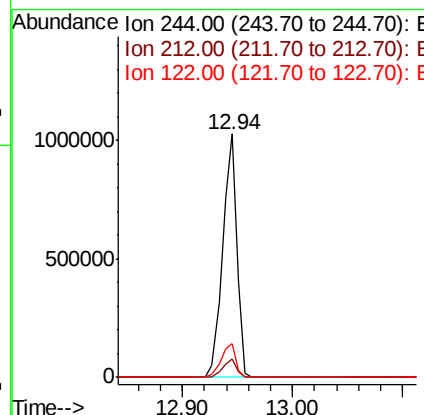
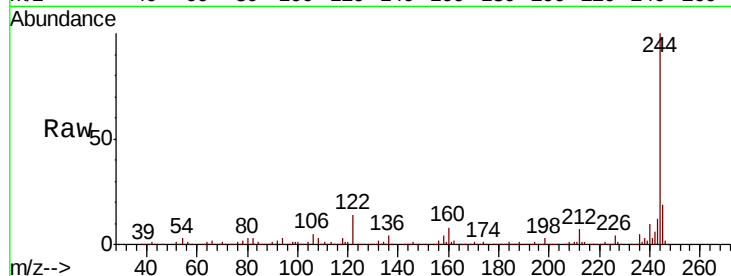
#79
Terphenyl-d14
Concen: 81.373 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.4	6.1	9.1	
122	13.9	10.2	15.4	

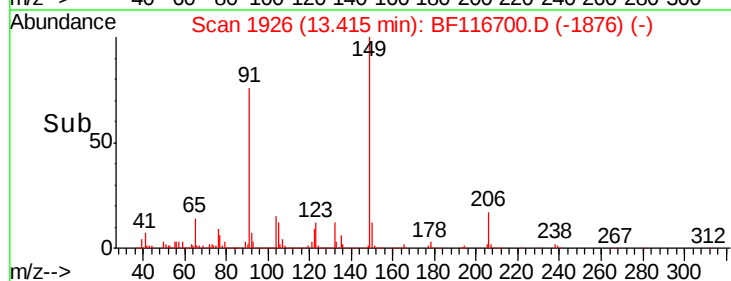
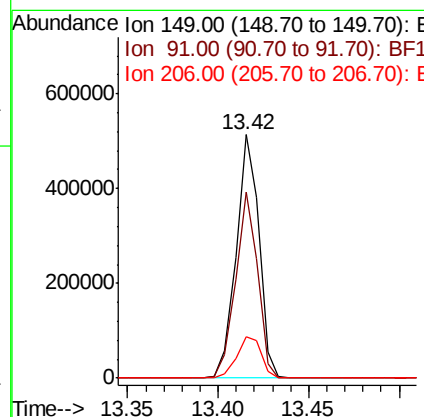
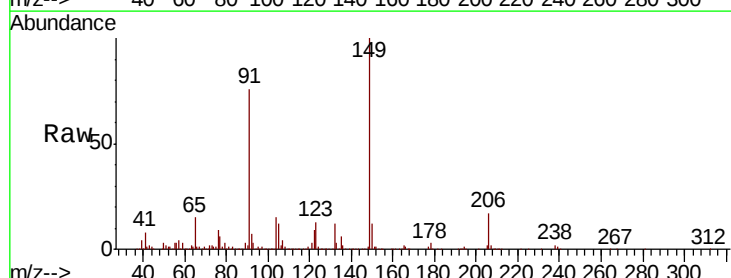
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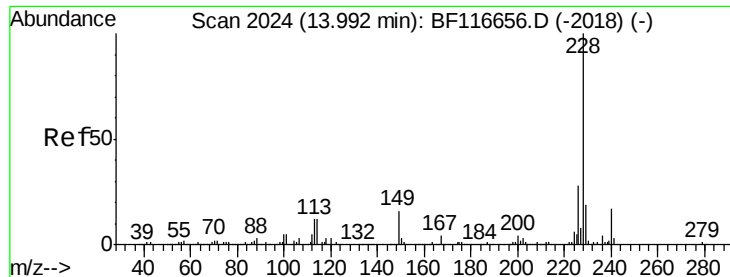
mohammad
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#80
Butylbenzylphthalate
Concen: 50.203 ng
RT: 13.42 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
91	76.5	61.0	91.4	
206	16.9	14.8	22.2	





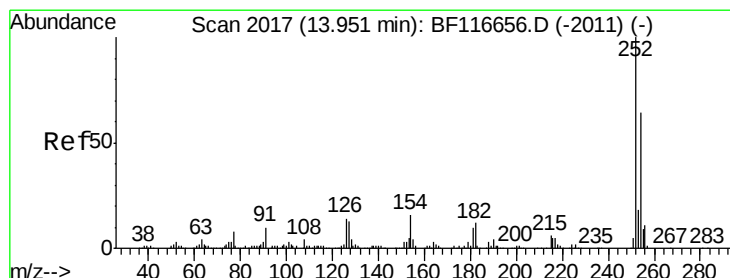
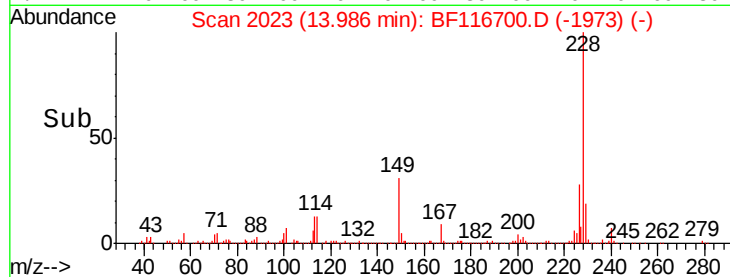
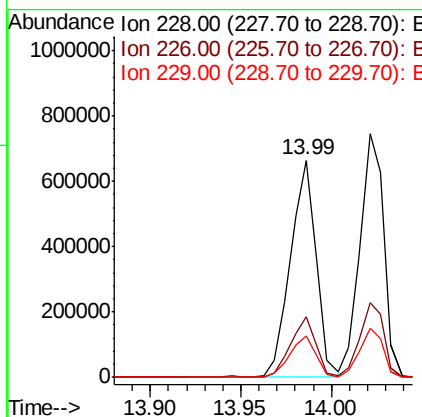
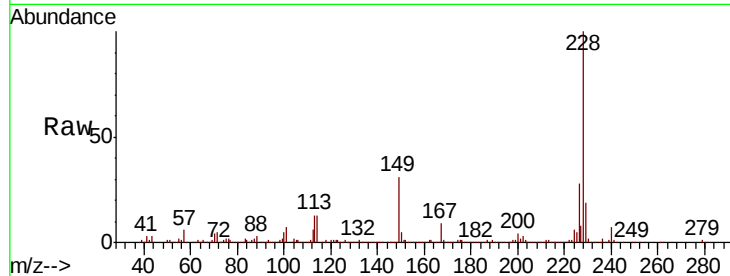
#81
Benzo(a)anthracene
Concen: 50.667 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.0	33.0
229	19.3	16.4	24.6

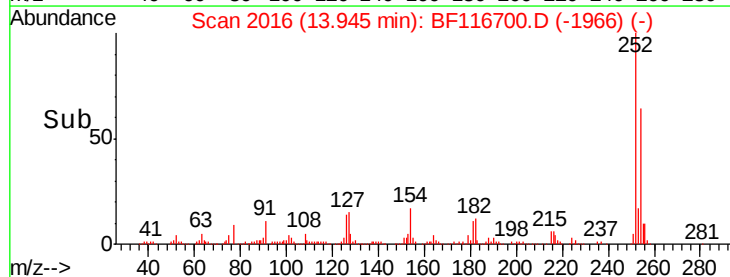
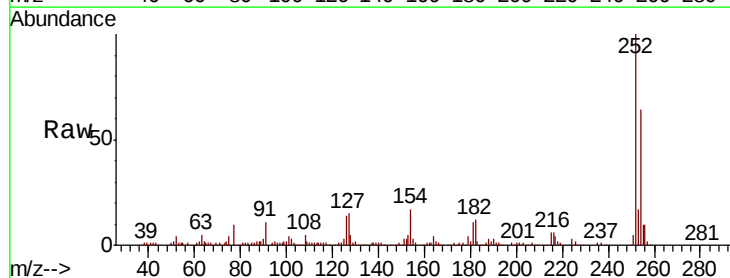
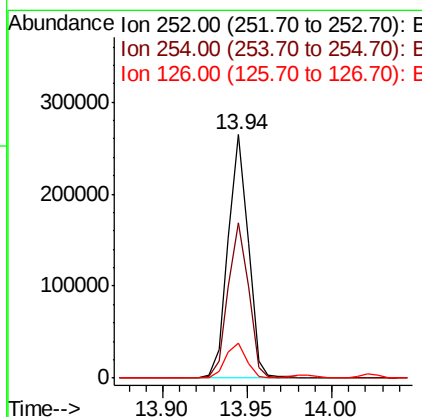
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#82
3,3'-Dichlorobenzidine
Concen: 49.675 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.7	50.1	75.1
126	14.4	10.6	16.0





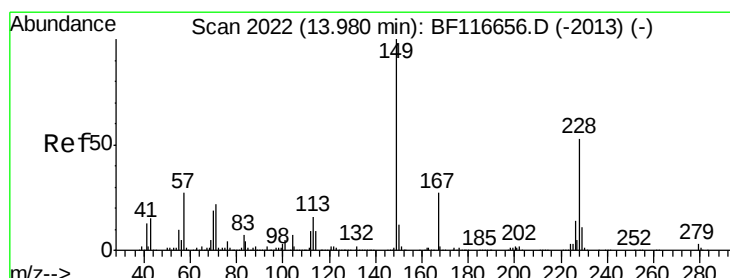
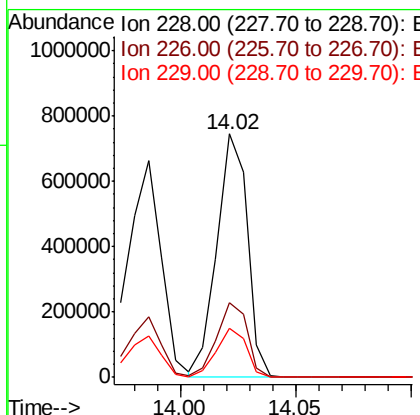
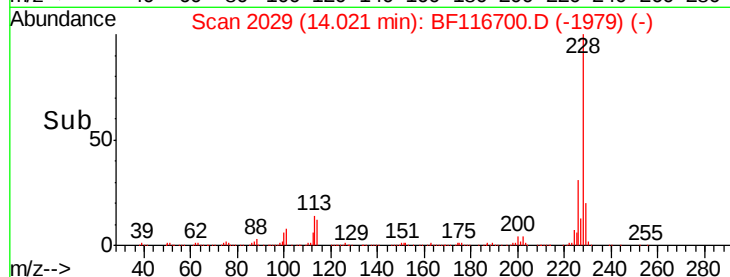
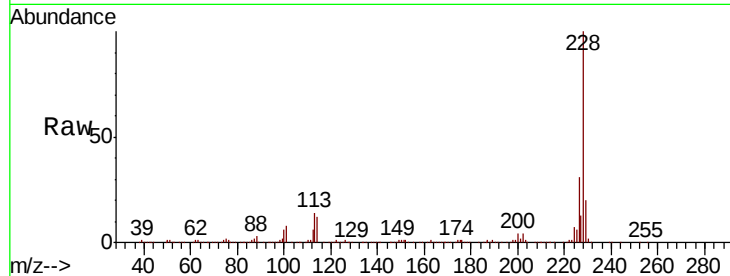
#83
 Chrysene
 Concen: 50.472 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF116700.D
 Acq: 31 Aug 2019 15:39

Instrument :
 BNA_F
 ClientSampleId :
 S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.0	36.0
229	20.0	15.4	23.0

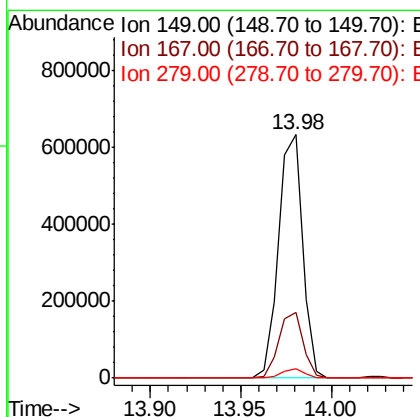
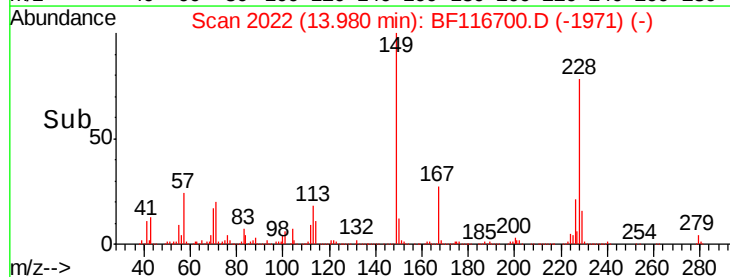
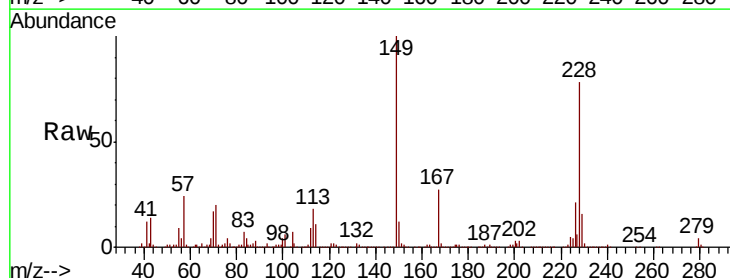
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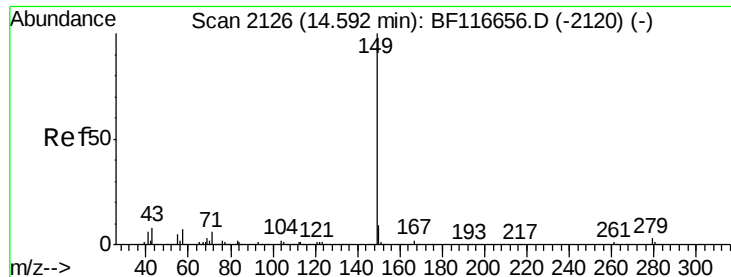
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 52.825 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: BF116700.D
 Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.0	31.4
279	3.6	2.8	4.2





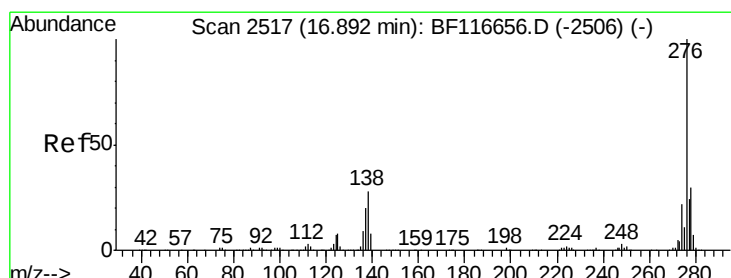
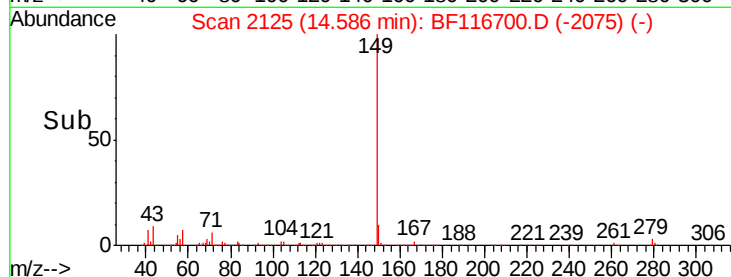
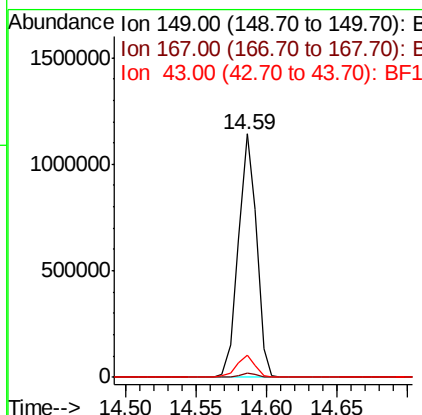
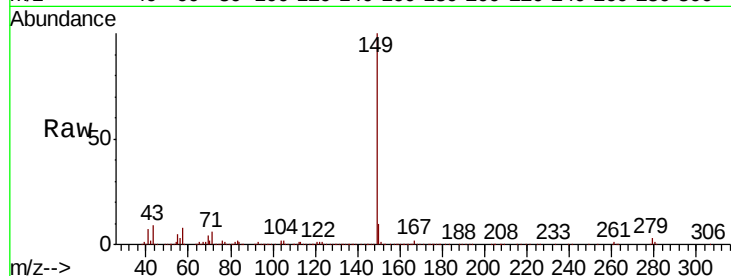
#85
Di-n-octyl phthalate
Concen: 56.311 ng
RT: 14.59 min Scan# 2125
Delta R.T. -0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	7.8	11.8

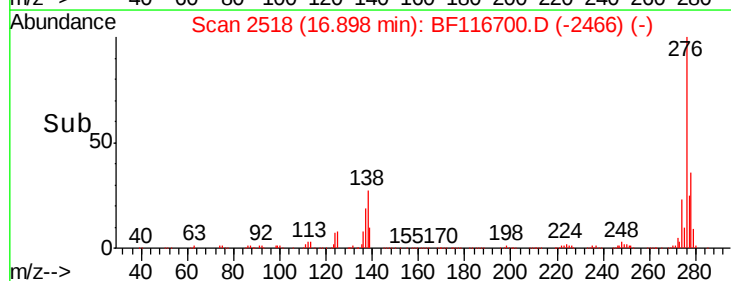
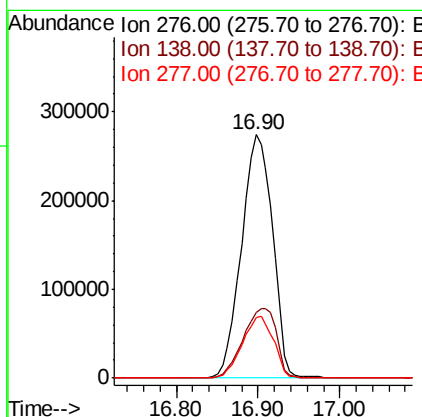
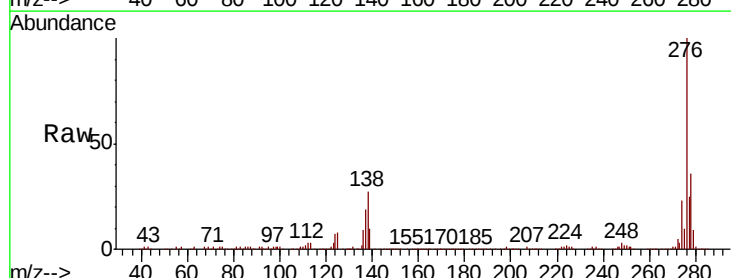
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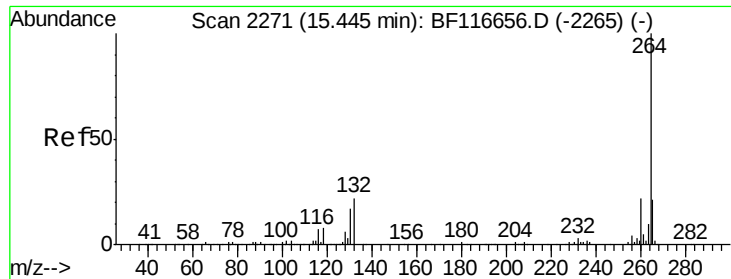
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 66.898 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.7	19.4	29.2#
277	25.5	20.5	30.7





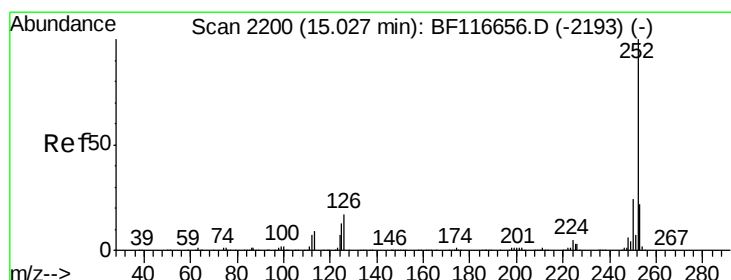
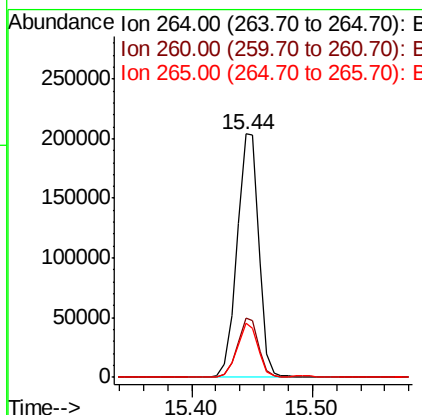
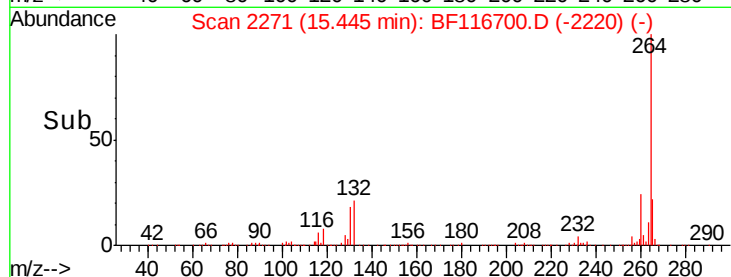
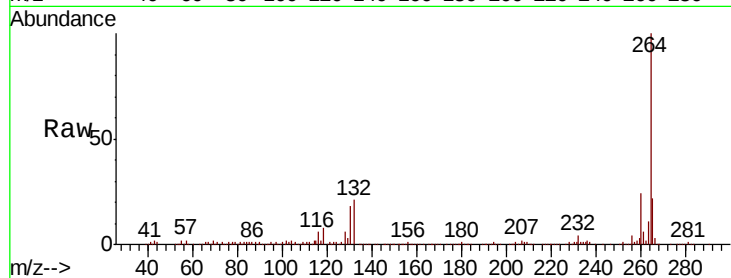
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.3	27.5
265	22.4	16.5	24.7

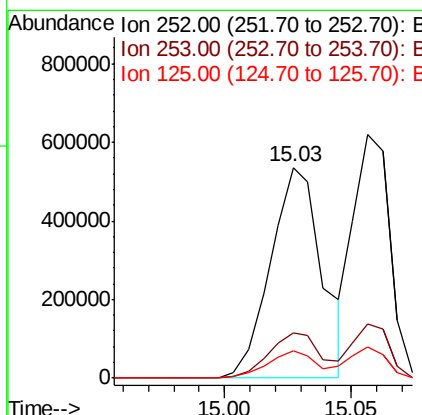
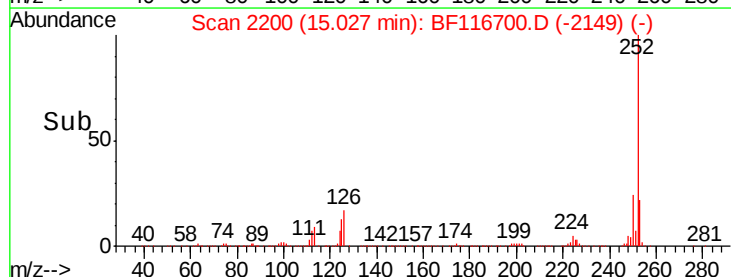
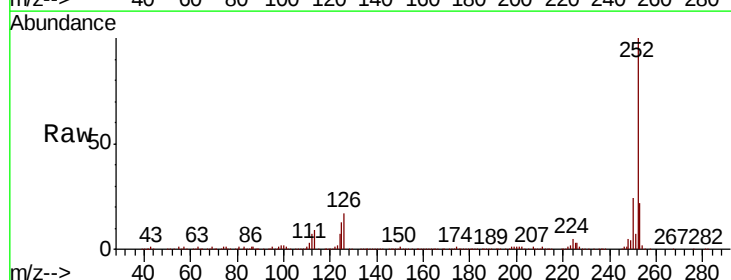
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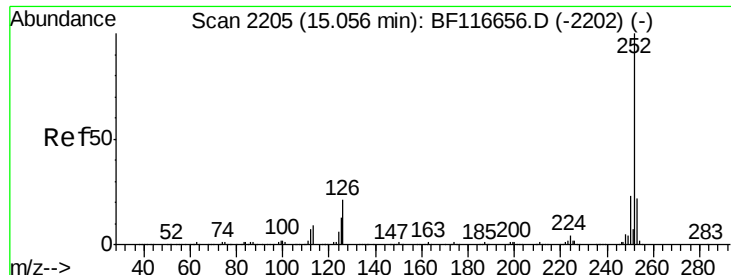
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#88
Benzo(b)fluoranthene
Concen: 49.173 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	13.0	8.2	12.2#





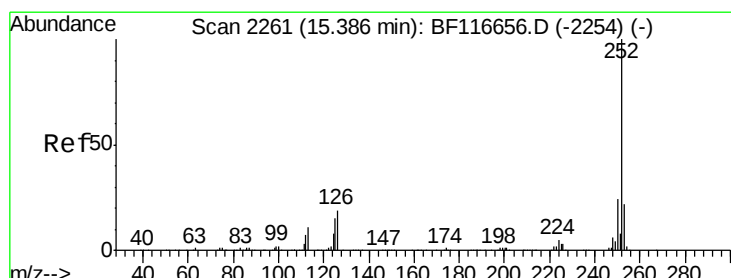
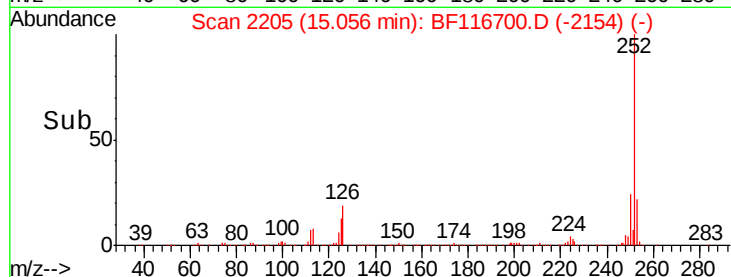
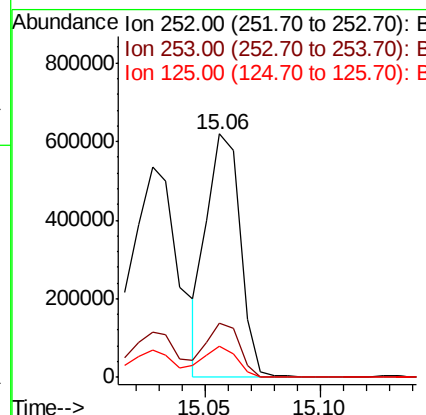
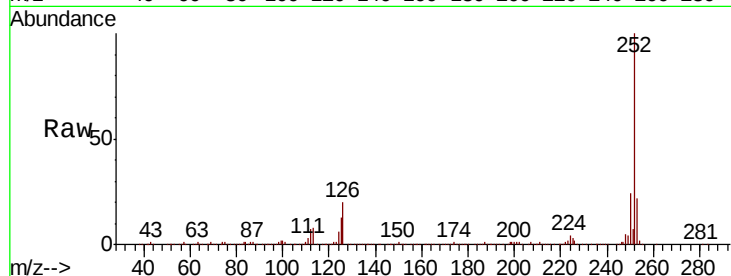
#89
Benzo(k)fluoranthene
Concen: 44.031 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	13.0	8.6	13.0

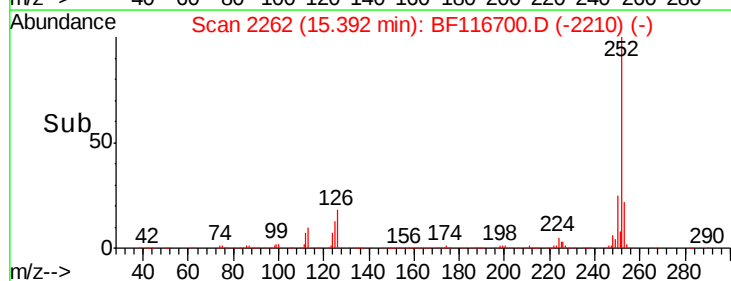
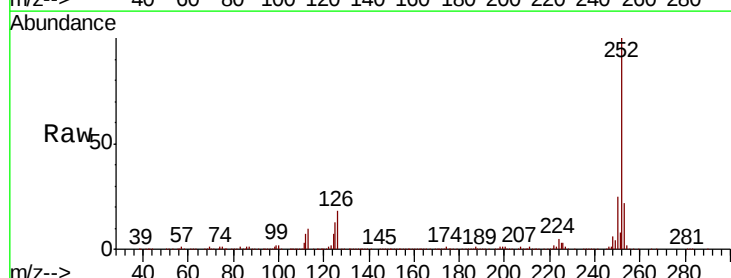
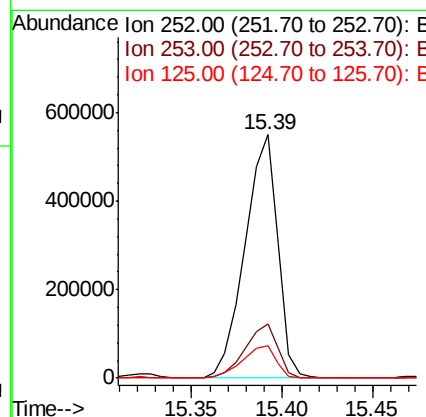
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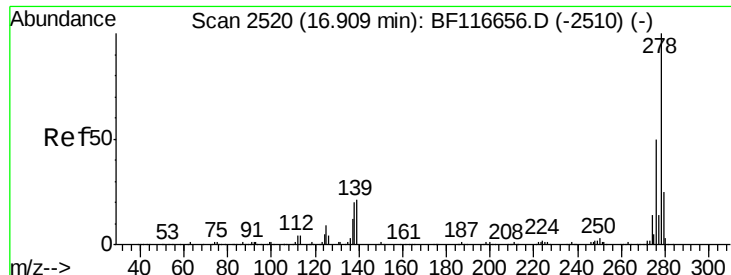
mohammad
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#90
Benzo(a)pyrene
Concen: 51.215 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	13.2	9.8	14.8





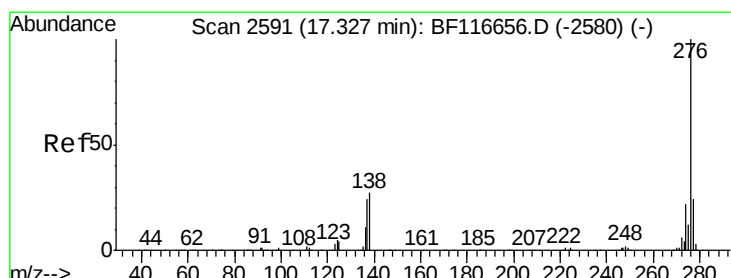
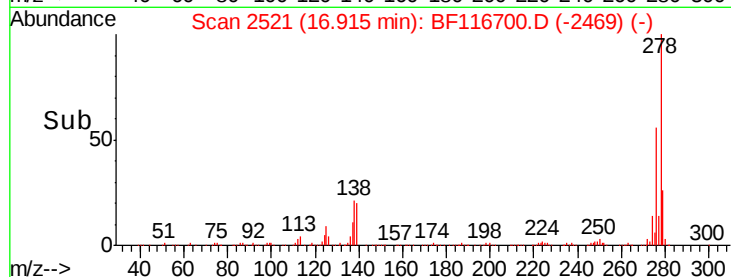
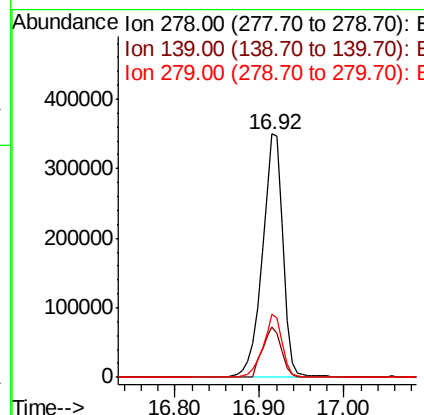
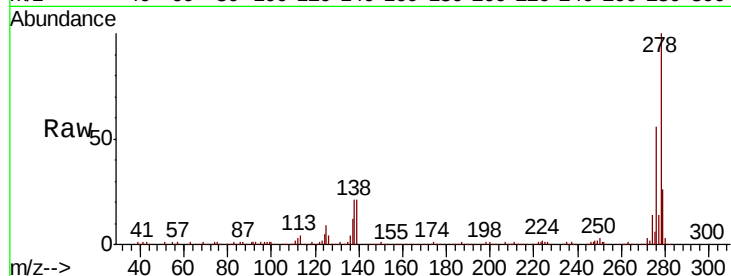
#91
Dibenzo(a,h)anthracene
Concen: 51.078 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Instrument :
BNA_F
ClientSampleId :
S602A-M-1.0-1.5-083019MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.5	12.4	18.6#
279	26.1	18.2	27.4

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#92
Benzo(g,h,i)perylene
Concen: 47.469 ng
RT: 17.34 min Scan# 2593
Delta R.T. 0.01 min
Lab File: BF116700.D
Acq: 31 Aug 2019 15:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	25.0	16.2	24.2#

