

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020519\
 Data File : BF112411.D
 Acq On : 5 Feb 2019 22:16
 Operator : JU/SJ
 Sample : K1341-02MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Manual Integrations
 APPROVED

mohammad
 2/6/2019 9:16:26 AM

Quant Time: Feb 06 04:16:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	164551	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	598482	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	259824	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	410389	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	296200	20.00	ng	0.00
87) Perylene-d12	15.47	264	232323	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1118131	144.33	ng	0.01
7) Phenol-d6	6.49	99	1314030	122.07	ng	0.00
23) Nitrobenzene-d5	7.40	82	937747	90.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	361483	119.53	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1764033	96.02	ng	-0.01
79) Terphenyl-d14	12.94	244	1434243	91.20	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.80	88	155428	50.364	ng	# 84
3) Pyridine	3.52	79	348012	44.332	ng	98
4) n-Nitrosodimethylamine	3.45	42	207758	62.992	ng	92
6) Aniline	6.50	93	107646	8.406	ng	# 1
8) 2-Chlorophenol	6.63	128	477759	45.843	ng	99
9) Benzaldehyde	6.39	77	249431	44.331	ng	99
10) Phenol	6.50	94	469743	39.774	ng	80
11) bis(2-Chloroethyl)ether	6.57	93	429470	46.189	ng	99
12) 1,3-Dichlorobenzene	6.77	146	528118	43.513	ng	99
13) 1,4-Dichlorobenzene	6.85	146	546402	43.743	ng	97
14) 1,2-Dichlorobenzene	7.00	146	499483	42.709	ng	96
15) Benzyl Alcohol	6.99	79	387302	42.680	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.11	45	524178	43.907	ng	# 42
17) 2-Methylphenol	7.10	107	358036	43.338	ng	# 88
18) Hexachloroethane	7.35	117	173150	39.475	ng	93
19) n-Nitroso-di-n-propylamine	7.25	70	324016	43.651	ng	98
20) 3+4-Methylphenols	7.26	107	472516	44.727	ng	# 61
22) Acetophenone	7.25	105	656640	45.058	ng	94
24) Nitrobenzene	7.42	77	480978	46.367	ng	95
25) Isophorone	7.66	82	841382	51.636	ng	99
26) 2-Nitrophenol	7.73	139	238905	43.095	ng	91
27) 2,4-Dimethylphenol	7.78	122	400027	52.374	ng	94
28) bis(2-Chloroethoxy)methane	7.86	93	539493	48.624	ng	98
29) 2,4-Dichlorophenol	7.99	162	396495	46.388	ng	99
30) 1,2,4-Trichlorobenzene	8.06	180	444307	45.223	ng	100
31) Naphthalene	8.14	128	1356270	48.460	ng	99
32) Benzoic acid	7.92	122	128235	29.433	ng	98
33) 4-Chloroaniline	8.19	127	64299	5.276	ng	97
34) Hexachlorobutadiene	8.25	225	249399	43.258	ng	99
35) Caprolactam	8.57	113	96294m	31.936	ng	
36) 4-Chloro-3-methylphenol	8.69	107	383894	42.427	ng	95
37) 2-Methylnaphthalene	8.83	142	927544	48.411	ng	98
38) 1-Methylnaphthalene	8.93	142	855319	46.575	ng	96
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	417163	48.900	ng	99

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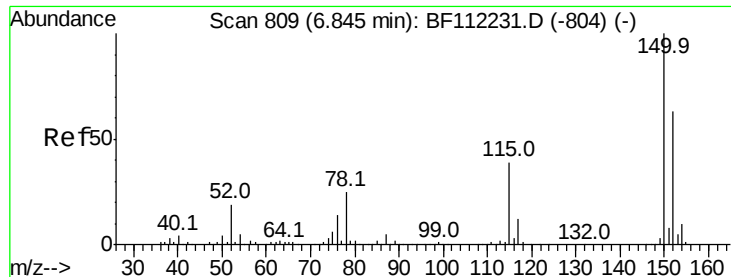
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.98	237	43465	21.351	nq	97
43) 2,4,6-Trichlorophenol	9.12	196	261197	49.671	nq	99
44) 2,4,5-Trichlorophenol	9.17	196	264877	48.195	nq	99
46) 1,1'-Biphenyl	9.29	154	1099136	48.389	nq	98
47) 2-Chloronaphthalene	9.32	162	824741	46.821	nq	97
48) 2-Nitroaniline	9.42	65	233095	48.551	nq	100
49) Acenaphthylene	9.73	152	1250561	48.438	nq	99
50) Dimethylphthalate	9.59	163	995050	49.292	nq	99
51) 2,6-Dinitrotoluene	9.66	165	205407	45.433	nq #	82
52) Acenaphthene	9.90	154	719732	46.667	nq	99
53) 3-Nitroaniline	9.83	138	84654	17.283	nq	92
54) 2,4-Dinitrophenol	9.96	184	18460	12.723	nq #	86
55) Dibenzofuran	10.08	168	1057158	44.855	nq	97
56) 4-Nitrophenol	10.02	139	196192	75.763	nq	88
57) 2,4-Dinitrotoluene	10.07	165	241418	41.944	nq #	81
58) Fluorene	10.42	166	825768	46.820	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.20	232	200718	48.328	nq	95
60) Diethylphthalate	10.29	149	957228	47.782	nq	99
61) 4-Chlorophenyl-phenylether	10.41	204	417418	43.508	nq	93
62) 4-Nitroaniline	10.44	138	185136	38.535	nq	97
63) Azobenzene	10.57	77	764145	43.371	nq	99
65) 4,6-Dinitro-2-methylphenol	10.49	198	21734	9.446	nq	94
66) n-Nitrosodiphenylamine	10.53	169	740446	53.534	nq	99
67) 4-Bromophenyl-phenylether	10.90	248	245804	50.925	nq	98
68) Hexachlorobenzene	10.97	284	246134	47.530	nq	95
69) Atrazine	11.06	200	236934	53.089	nq	96
70) Pentachlorophenol	11.17	266	172691	85.703	nq	99
71) Phenanthrene	11.39	178	1063753	49.858	nq	98
72) Anthracene	11.43	178	1096727	51.604	nq	99
73) Carbazole	11.59	167	962088	45.892	nq	99
74) Di-n-butylphthalate	11.91	149	1316040	50.575	nq	99
75) Fluoranthene	12.57	202	1022273	44.673	nq	98
77) Benzidine	12.69	184	315847	38.743	nq #	94
78) Pyrene	12.80	202	1016484	49.567	nq	99
80) Butylbenzylphthalate	13.41	149	483896	48.771	nq	98
81) Benzo(a)anthracene	13.99	228	869809	49.954	nq	99
82) 3,3'-Dichlorobenzidine	13.94	252	218984	33.605	nq	99
83) Chrysene	14.03	228	818918	49.271	nq	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	685332	48.661	nq	99
85) Di-n-octyl phthalate	14.57	149	1090713	50.337	nq	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	639569	48.562	nq	97
88) Benzo(b)fluoranthene	15.04	252	725386	52.208	nq	98
89) Benzo(k)fluoranthene	15.07	252	684432m	51.428	nq	
90) Benzo(a)pyrene	15.41	252	647792	51.816	nq	99
91) Dibenzo(a,h)anthracene	16.96	278	541391	53.732	nq	99
92) Benzo(g,h,i)perylene	17.40	276	517584	54.449	nq	97

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



#1

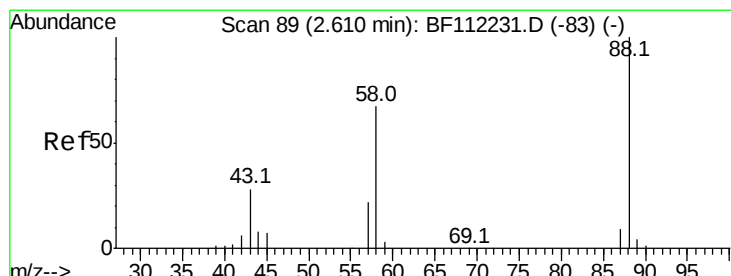
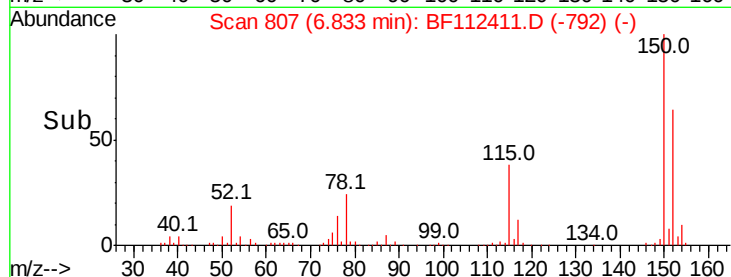
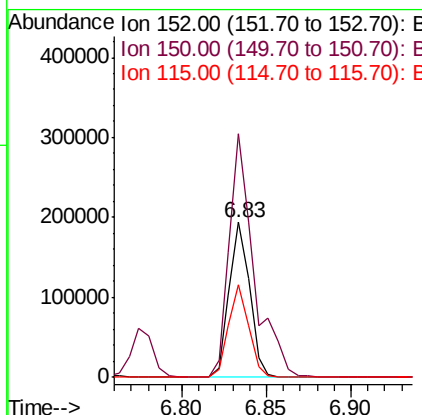
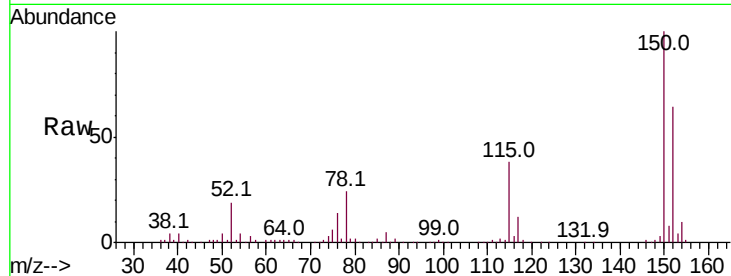
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	127.4	191.0
115	59.6	45.5	68.3

Manual Integrations
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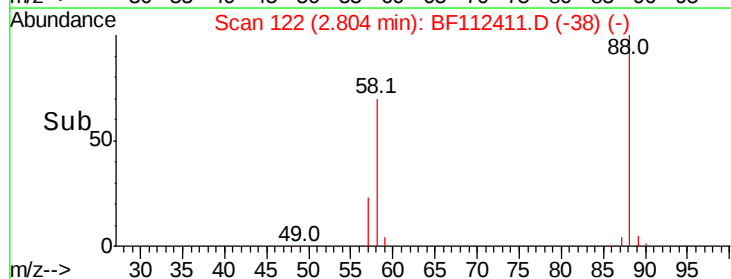
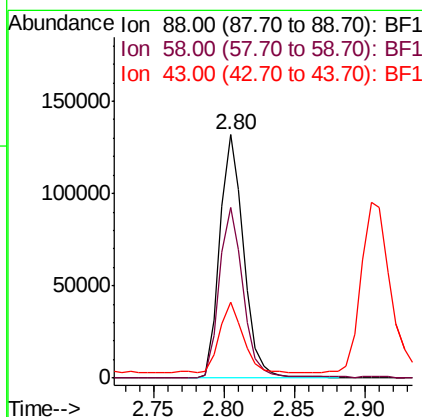
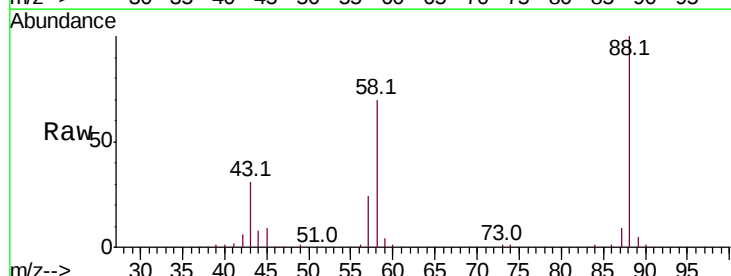
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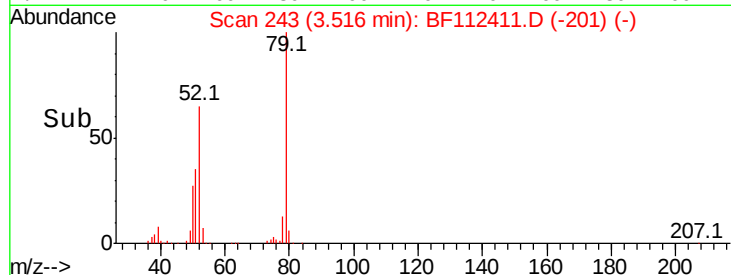
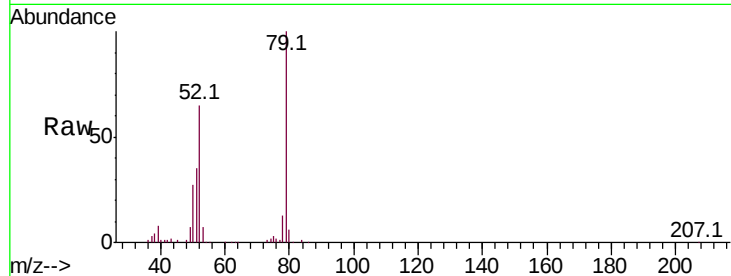
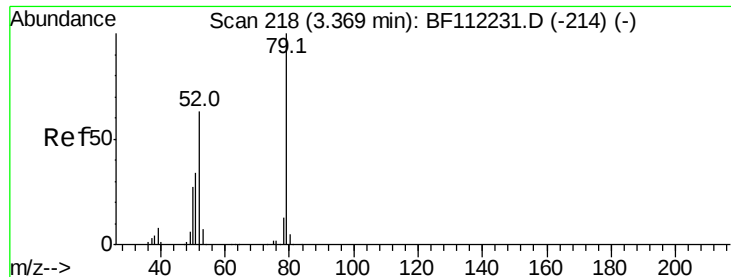


#2

1,4-Dioxane
Concen: 50.364 ng
RT: 2.80 min Scan# 122
Delta R.T. 0.19 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.1	57.4	86.2
43	0.0	22.2	33.4





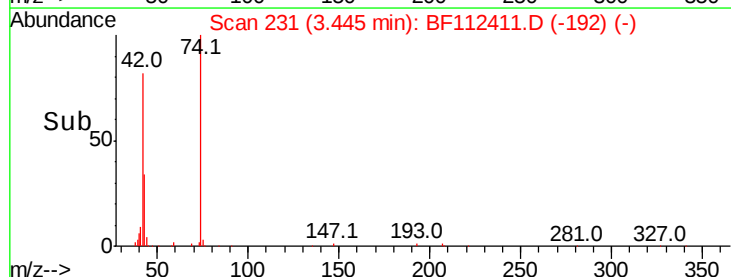
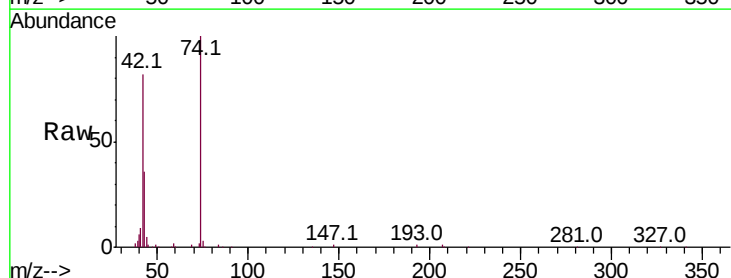
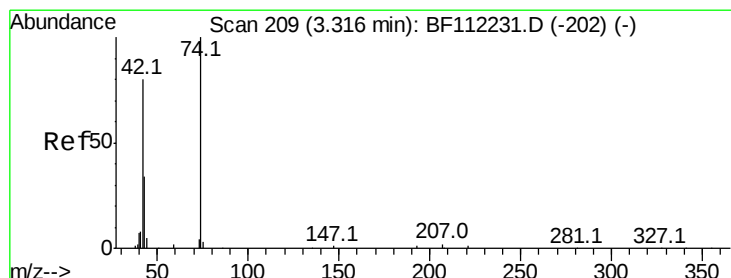
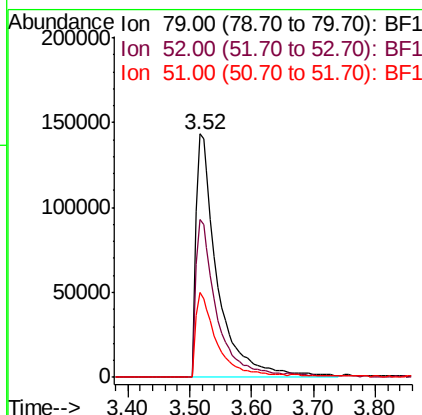
#3
Pvridine
Concen: 44.332 ng
RT: 3.52 min Scan# 243
Delta R.T. 0.15 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tot Ion	Ratio	Lower	Upper
79	100		
52	64.7	52.4	78.6
51	35.1	26.1	39.1

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

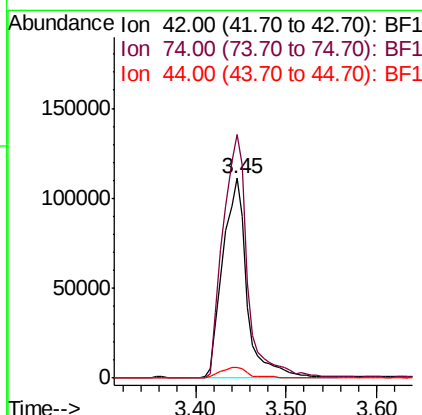
Manual Integrations
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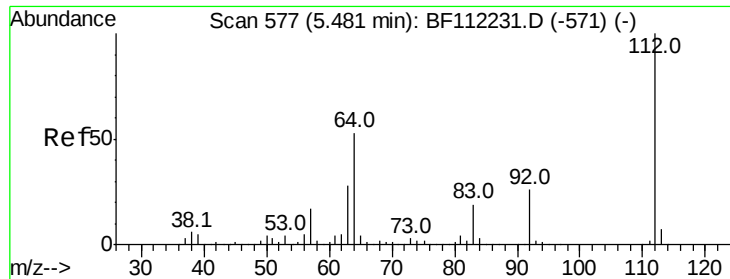
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#4
n-Nitrosodimethylamine
Concen: 62.992 ng
RT: 3.45 min Scan# 231
Delta R.T. 0.13 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
42	100		
74	121.8	105.6	158.4
44	5.6	5.4	8.2





#5

2-Fluorophenol

Concen: 144.331 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

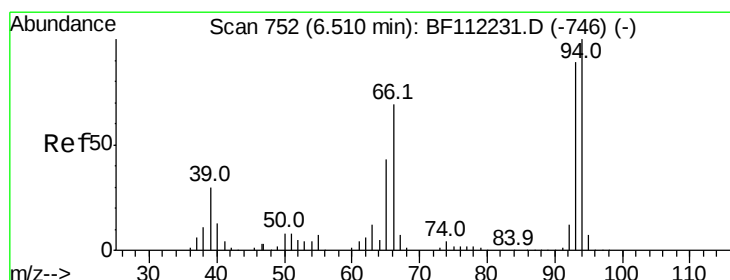
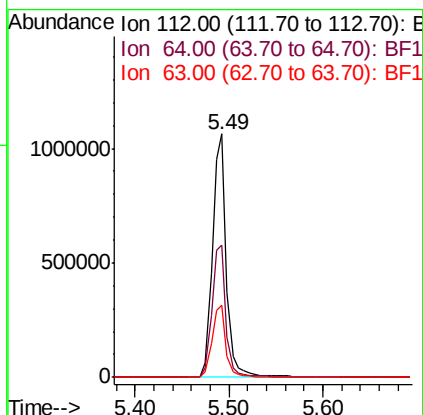
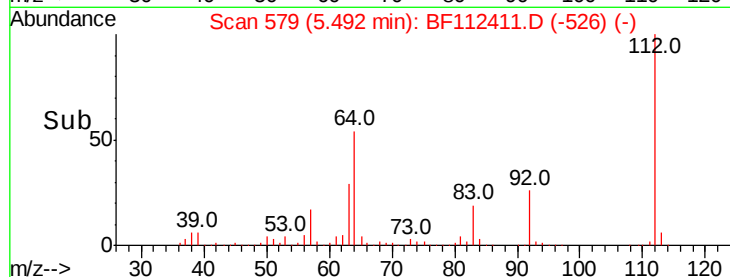
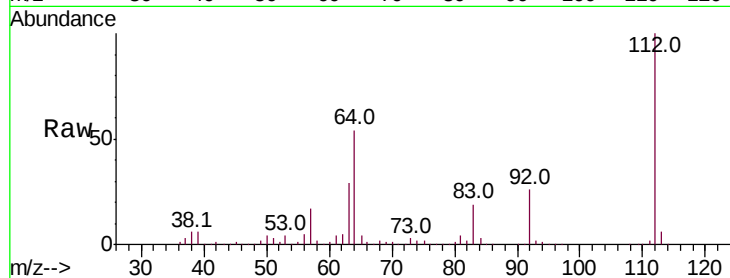
ClientSampleId :

HR-05-020419-AMSD

Tot Ion:	112	Resp:	1118131
Ion Ratio	Lower	Upper	
112	100		
64	54.5	45.7	68.5
63	29.4	23.6	35.4

Manual Integrations
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#6

Aniline

Concen: 8.406 ng

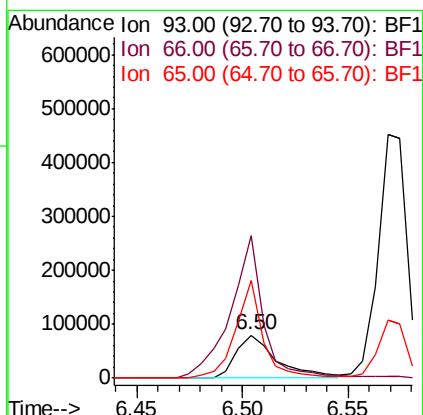
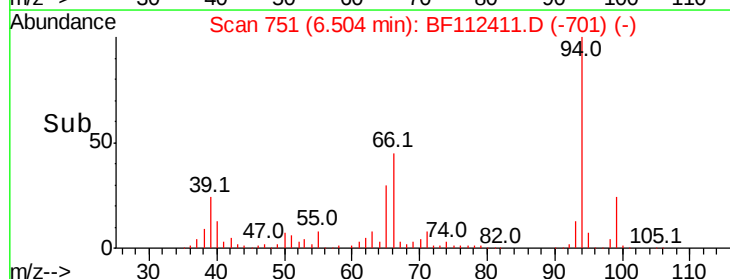
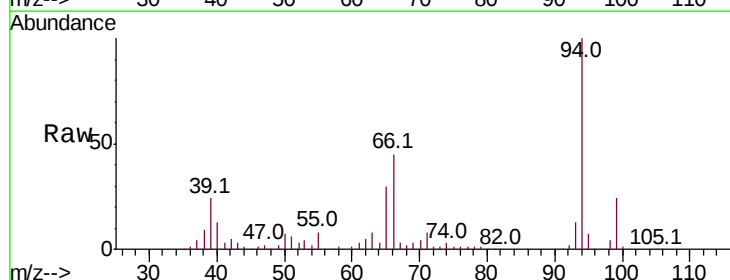
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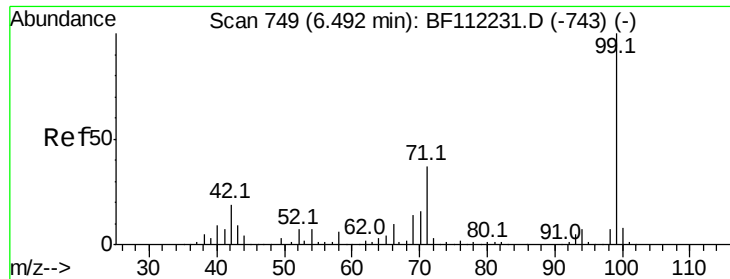
Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Tgt Ion:	93	Resp:	107646
Ion Ratio	Lower	Upper	
93	100		
66	334.0	43.4	65.2#
65	228.3	25.3	37.9#





#7

Phenol-d6

Concen: 122.067 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

Tot Ion: 99 Resp: 1314030

Ion Ratio Lower Upper

99 100

42 18.9 15.1 22.7

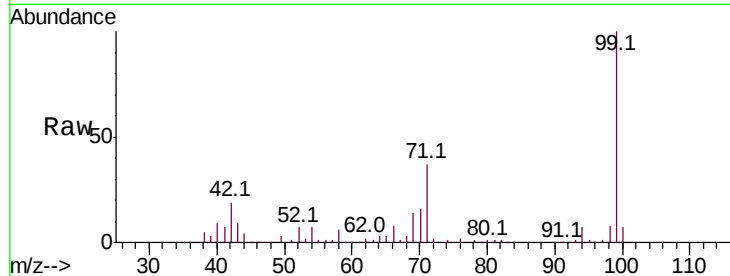
71 37.0 26.9 40.3

Manual Integrations

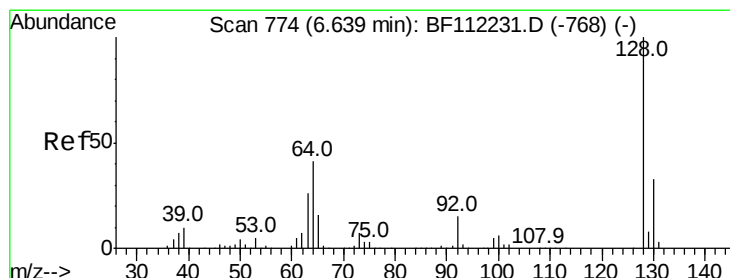
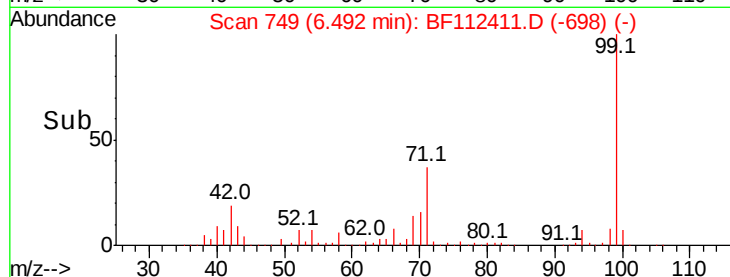
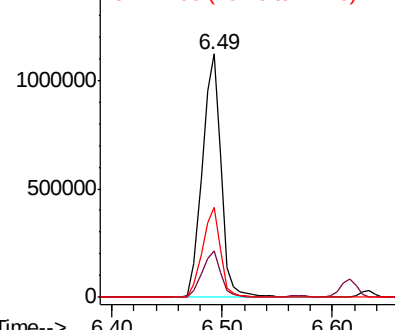
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 45.843 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

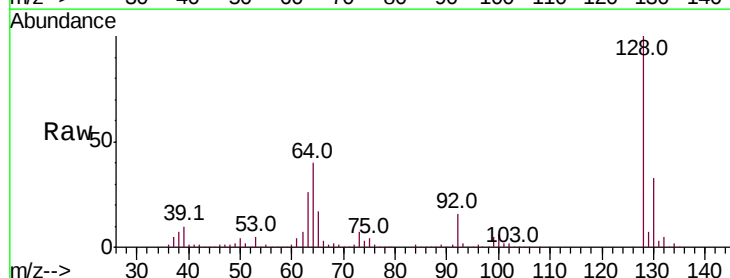
Tgt Ion:128 Resp: 477759

Ion Ratio Lower Upper

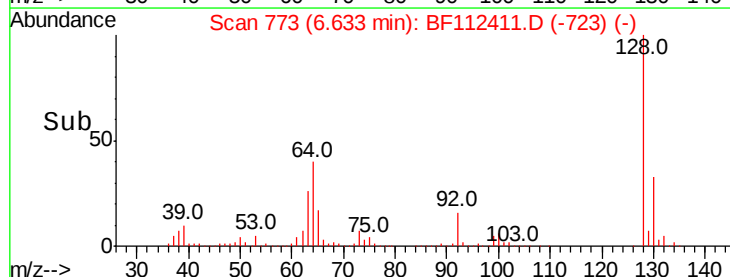
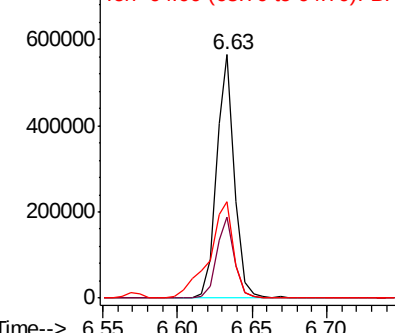
128 100

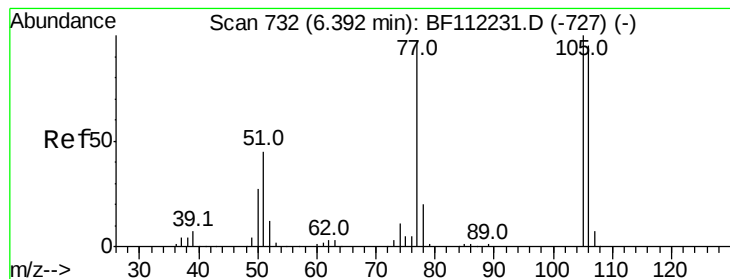
130 33.2 13.4 53.4

64 39.9 20.5 60.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 44.331 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

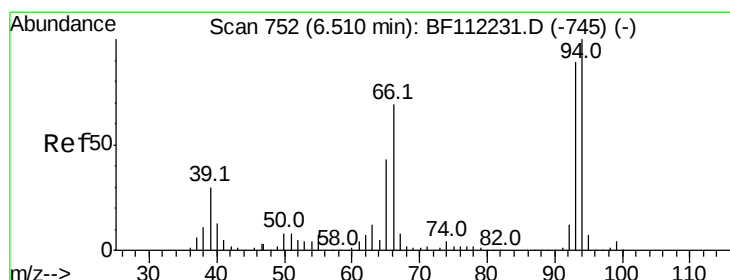
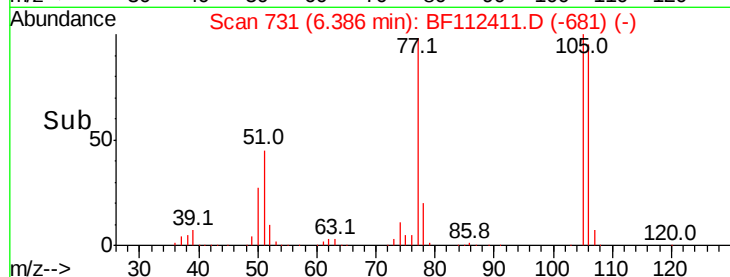
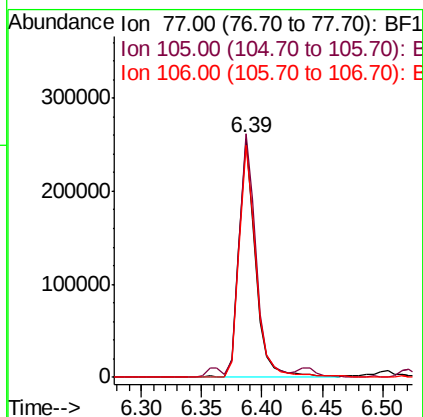
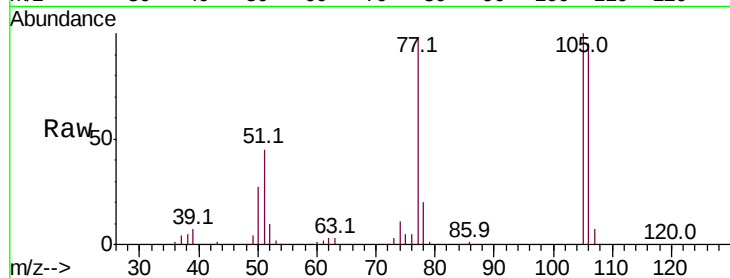
ClientSampleId :

HR-05-020419-AMSD

Tot Ion:	77	Resp:	249431
Ion	Ratio	Lower	Upper
77	100		
105	101.9	80.8	120.8
106	97.0	75.7	115.7

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#10

Phenol

Concen: 39.774 ng

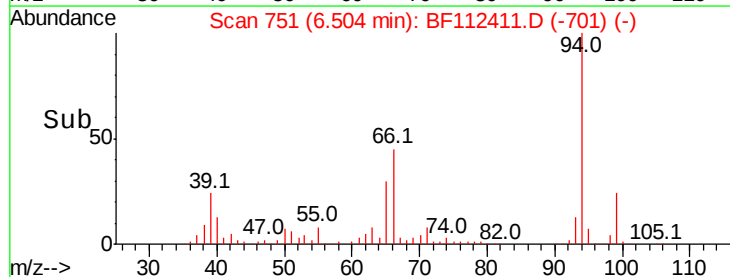
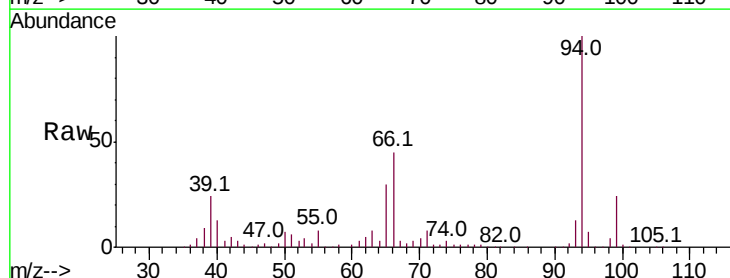
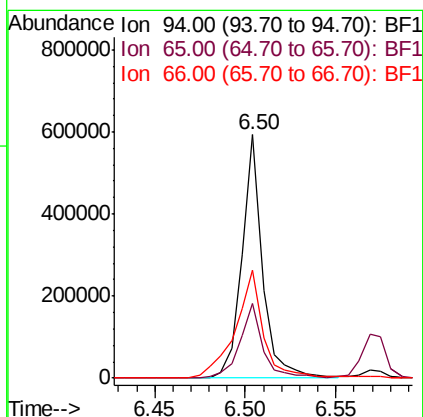
RT: 6.50 min Scan# 751

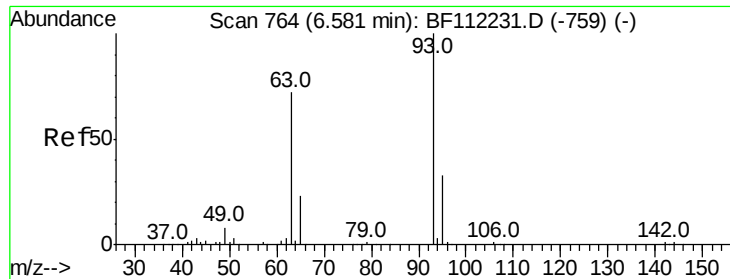
Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Tgt Ion:	94	Resp:	469743
Ion	Ratio	Lower	Upper
94	100		
65	30.4	20.3	60.3
66	44.5	42.4	82.4





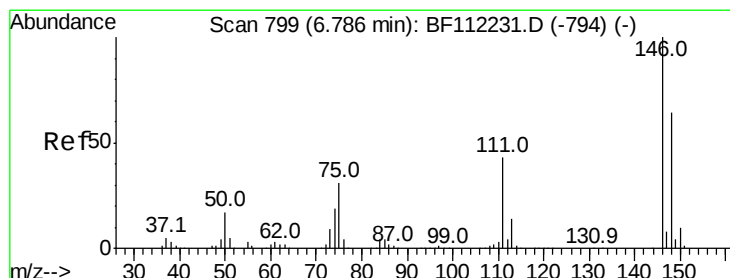
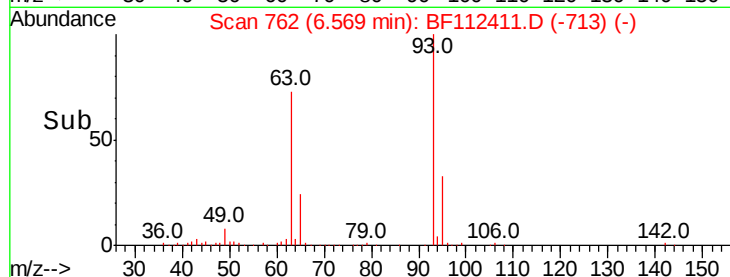
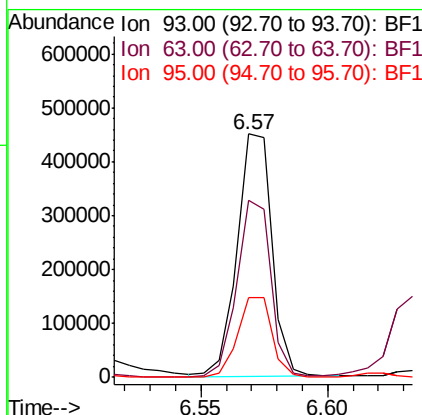
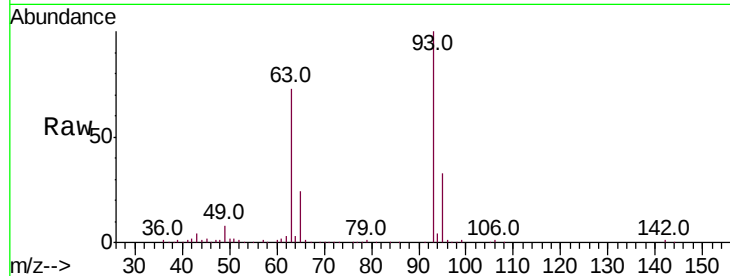
#11
bis(2-Chloroethyl)ether
Concen: 46.189 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	72.8	53.3	93.3
95	32.5	13.4	53.4

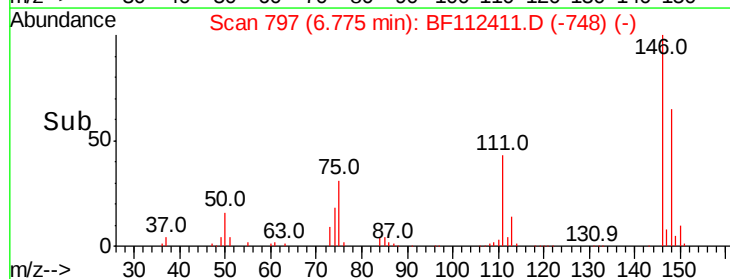
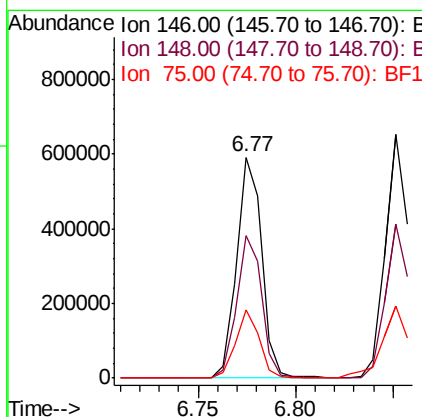
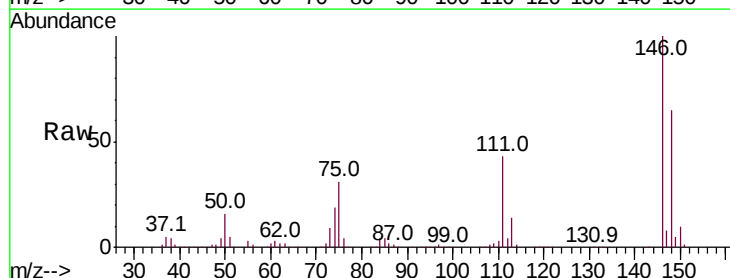
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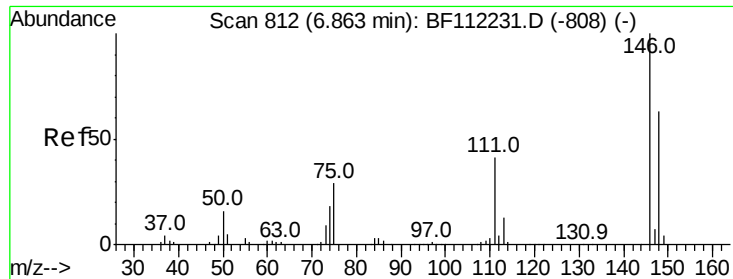
mohammad
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#12
1,3-Dichlorobenzene
Concen: 43.513 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.8	77.8
75	31.0	23.1	34.7





#13

1,4-Dichlorobenzene

Concen: 43.743 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

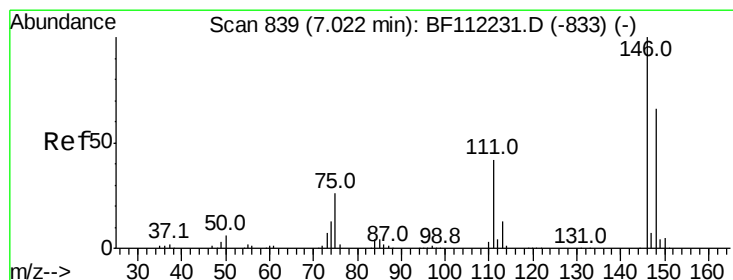
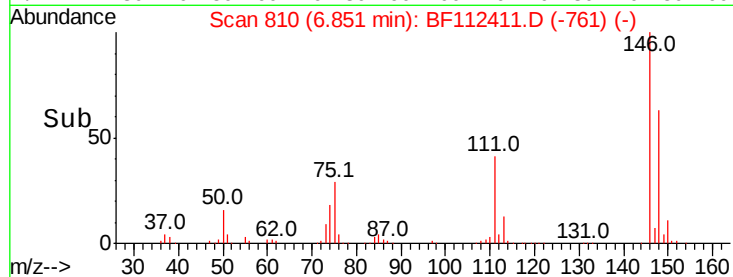
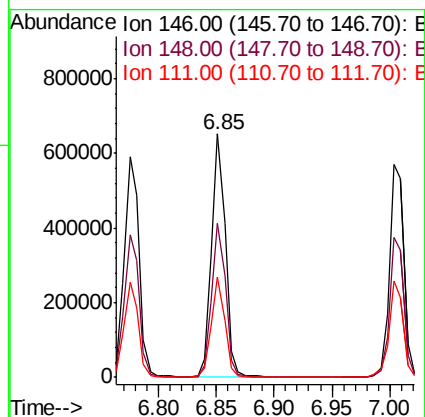
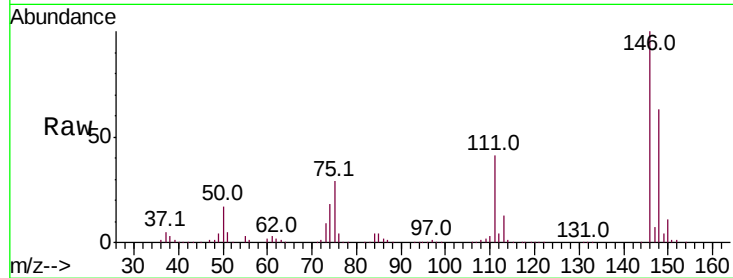
ClientSampleId :

HR-05-020419-AMSD

Tot Ion:	146	Resp:	546402
Ion Ratio	Lower	Upper	
146	100		
148	63.3	52.0	78.0
111	41.4	31.2	46.8

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#14

1,2-Dichlorobenzene

Concen: 42.709 ng

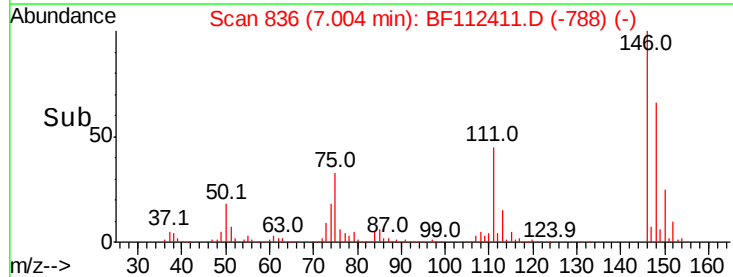
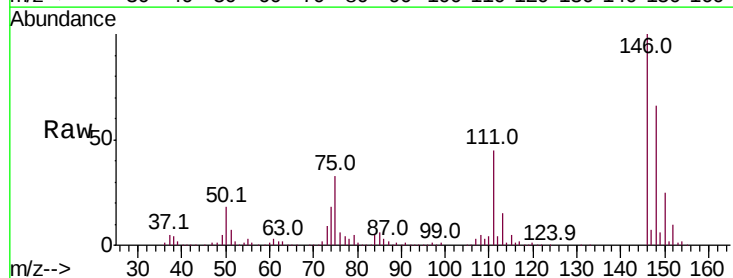
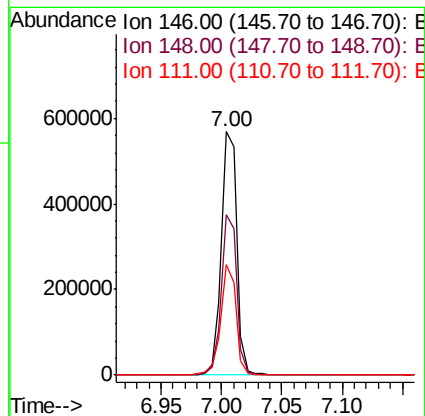
RT: 7.00 min Scan# 836

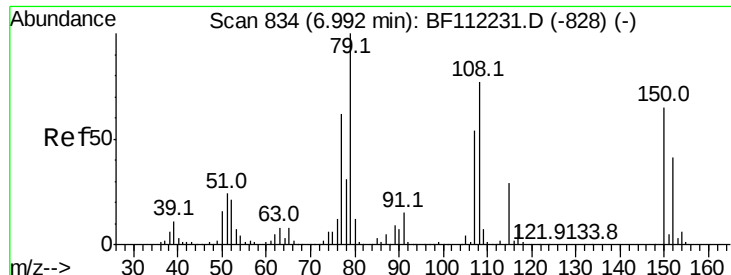
Delta R.T. -0.02 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Tgt Ion:	146	Resp:	499483
Ion Ratio	Lower	Upper	
146	100		
148	66.0	52.2	78.4
111	45.2	31.2	46.8





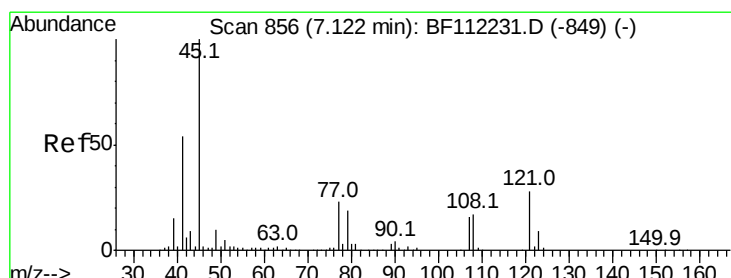
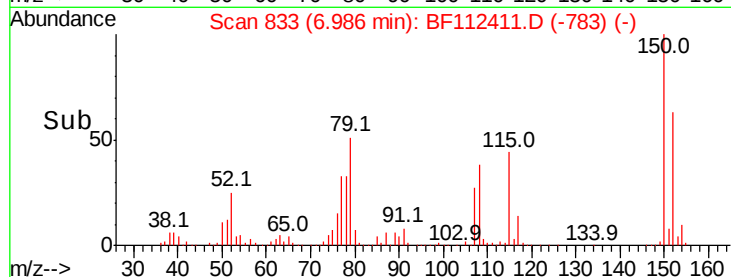
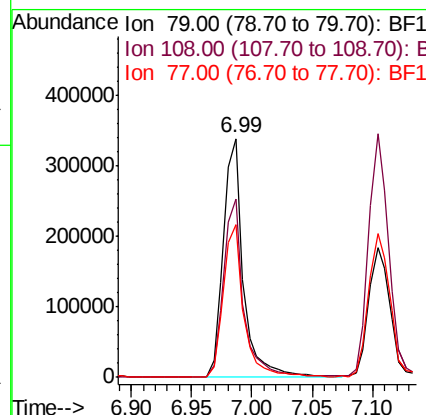
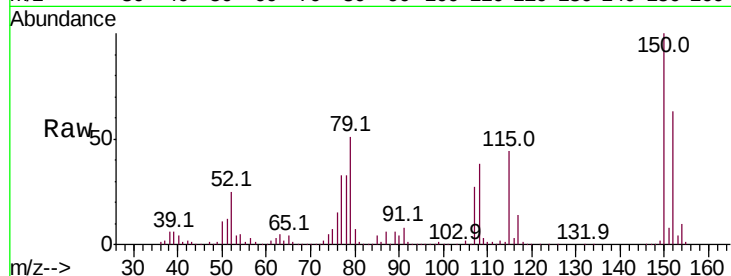
#15
Benzyl Alcohol
Concen: 42.680 ng
RT: 6.99 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	75.0	64.2	96.2
77	64.0	50.3	75.5

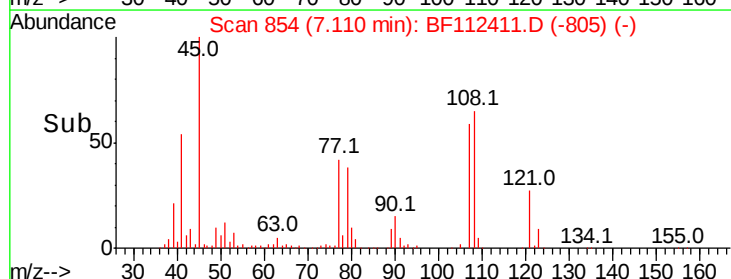
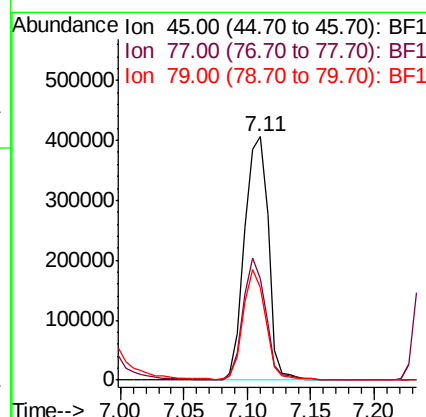
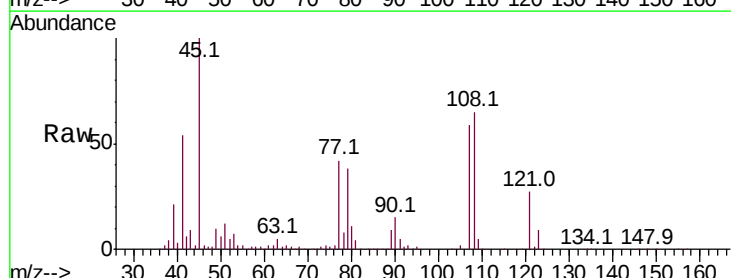
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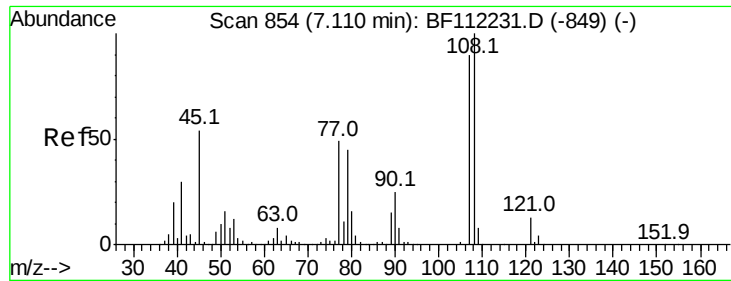
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#16
2,2'-oxybis(1-chloropropane)
Concen: 43.907 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
45	100		
77	41.7	0.0	36.9#
79	38.1	0.0	34.0#





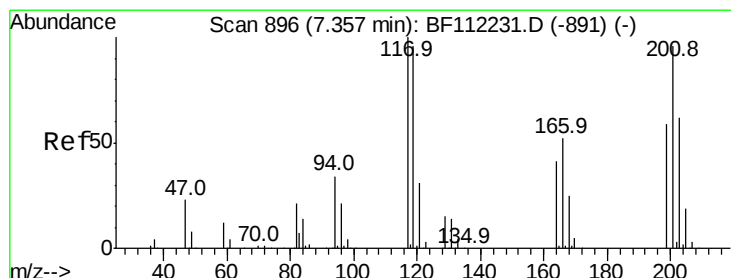
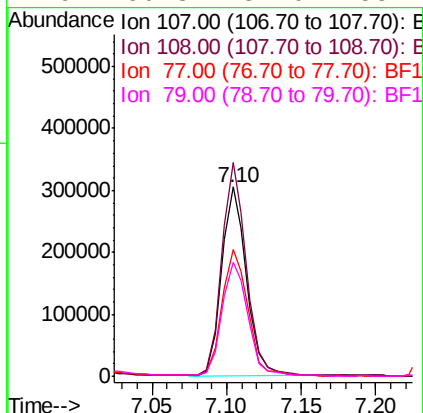
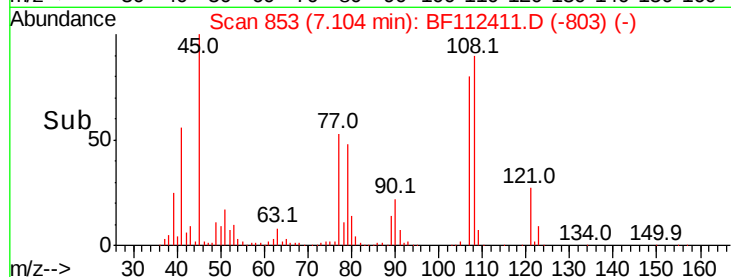
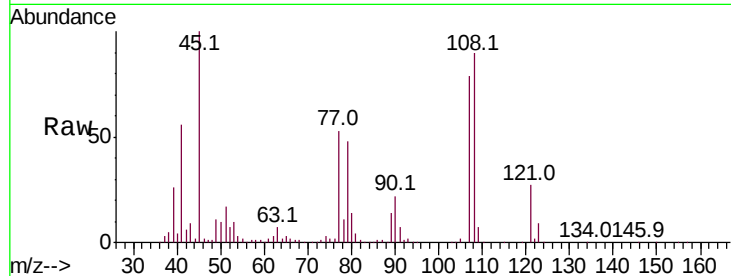
#17
2-Methylphenol
Concen: 43.338 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.8	91.3	136.9	
77	66.7	39.0	58.6	
79	60.3	37.0	55.4	

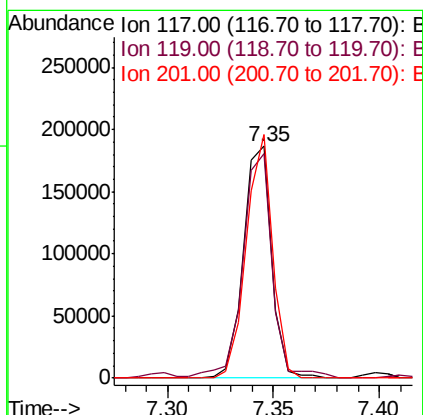
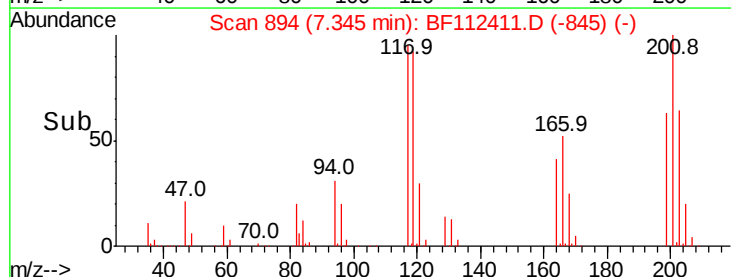
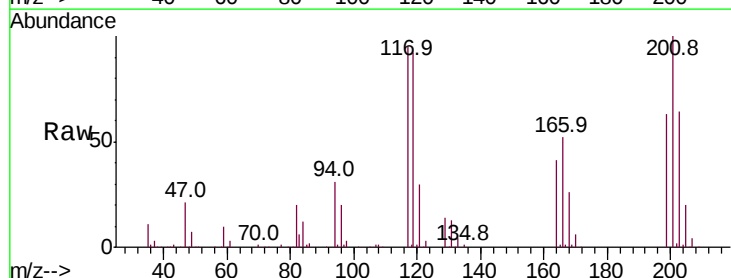
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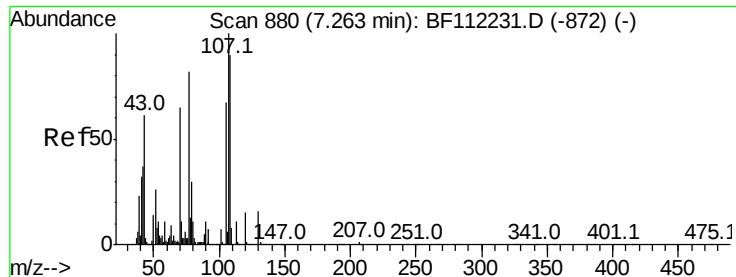
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#18
Hexachloroethane
Concen: 39.475 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.6	77.0	115.4	
201	105.1	74.1	111.1	





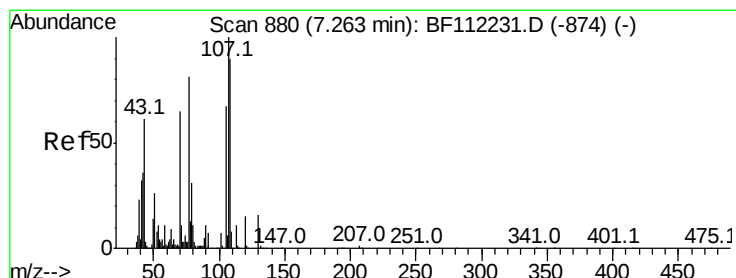
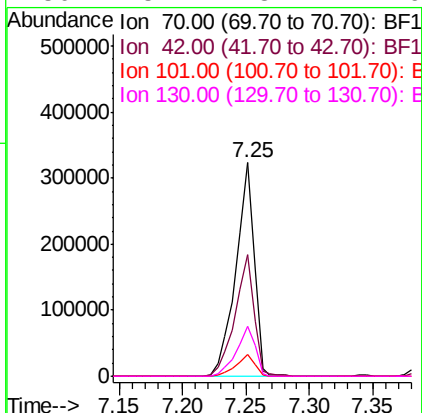
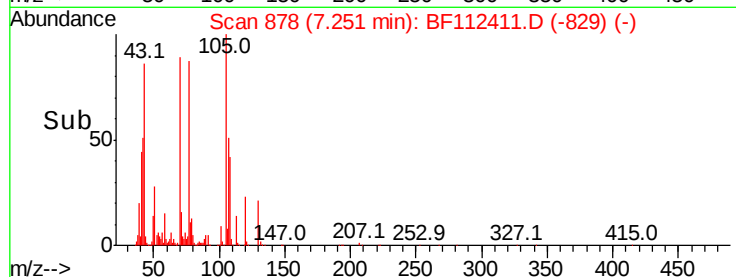
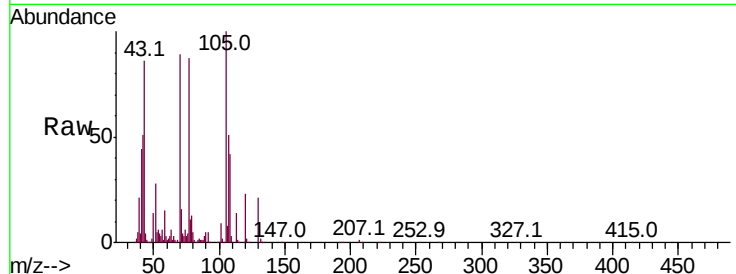
#19
n-Nitroso-di-n-propylamine
Concen: 43.651 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	57.0	47.6	71.4
101	10.0	7.9	11.9
130	23.1	18.4	27.6

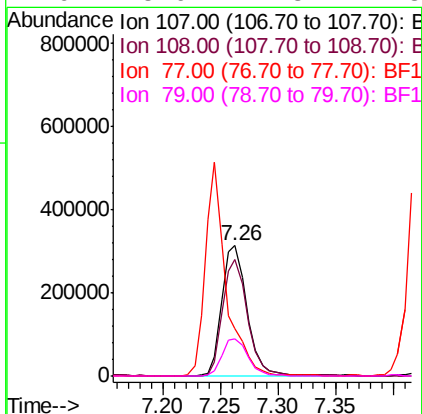
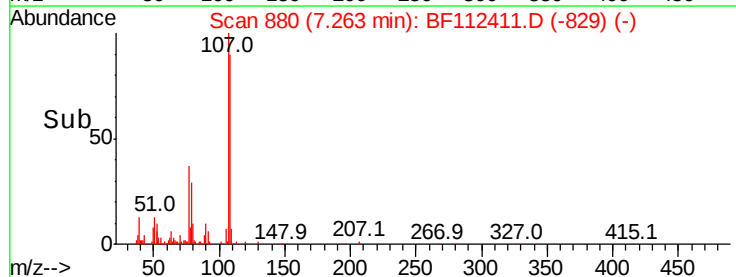
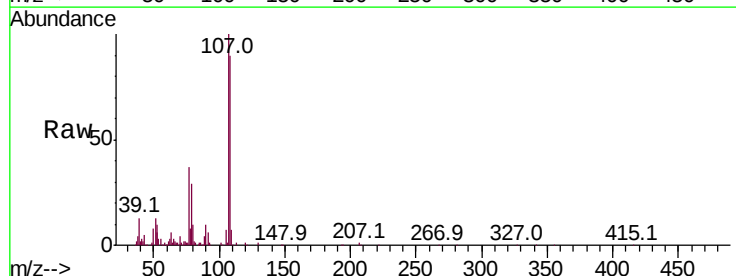
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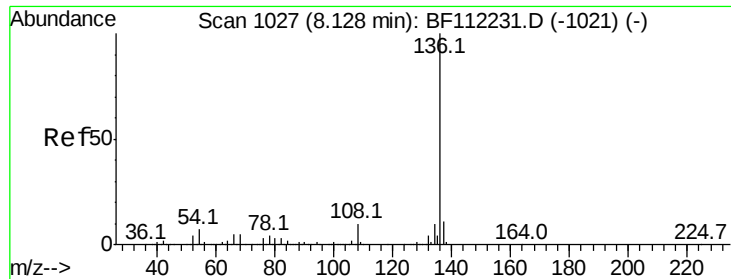
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#20
3+4-Methylphenols
Concen: 44.727 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.7	68.2	108.2
77	36.6	100.7	140.7#
79	28.9	7.3	47.3





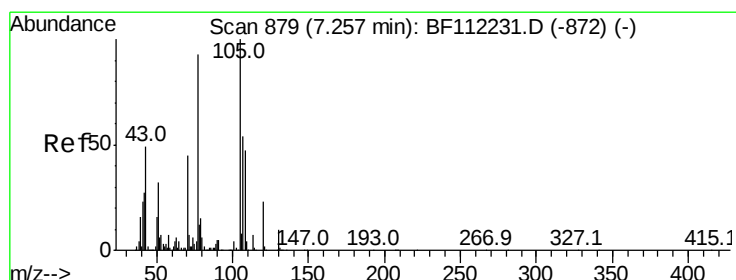
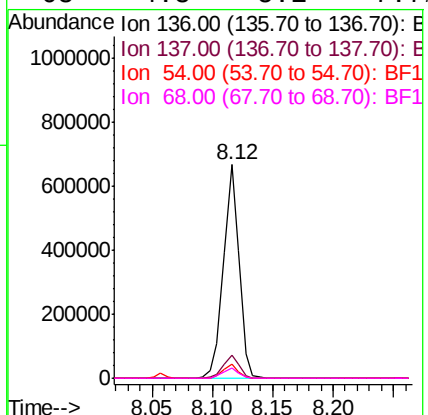
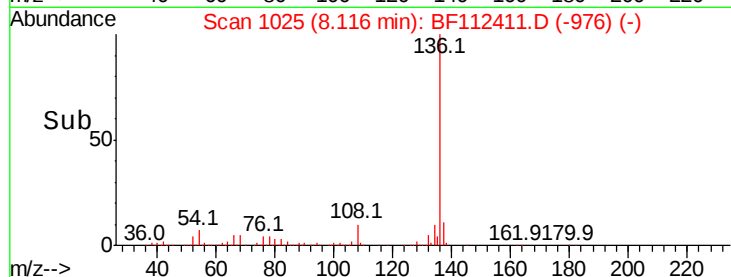
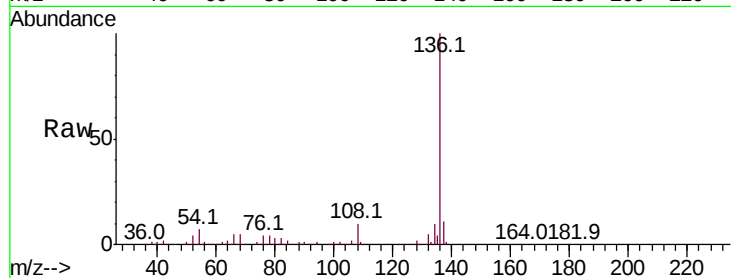
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	9.1	13.7	
54	6.6	5.9	8.9	
68	4.8	5.1	7.7	

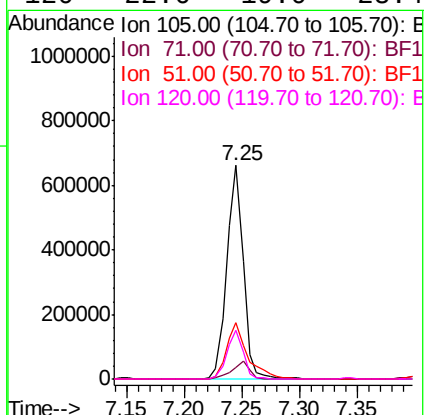
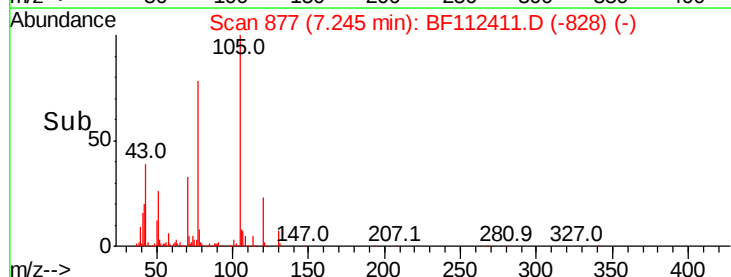
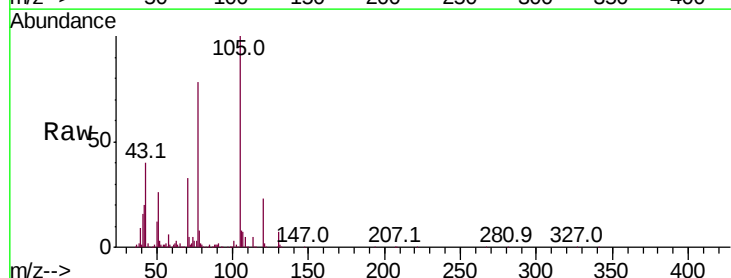
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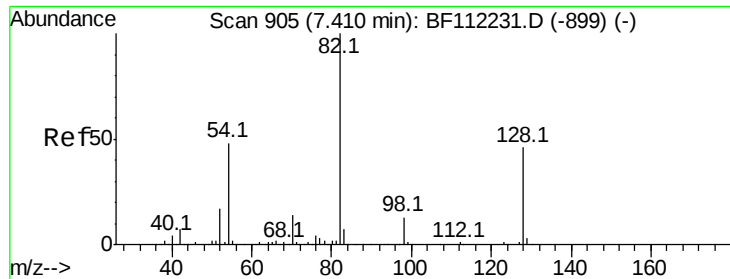
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#22
Acetophenone
Concen: 45.058 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.4	4.6	6.8	
51	26.3	25.0	37.6	
120	22.6	19.0	28.4	





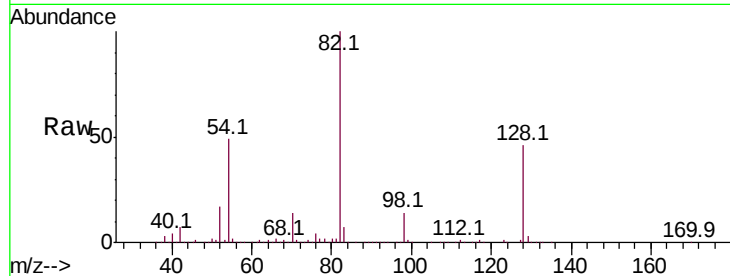
#23
Nitrobenzene-d5
Concen: 90.283 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

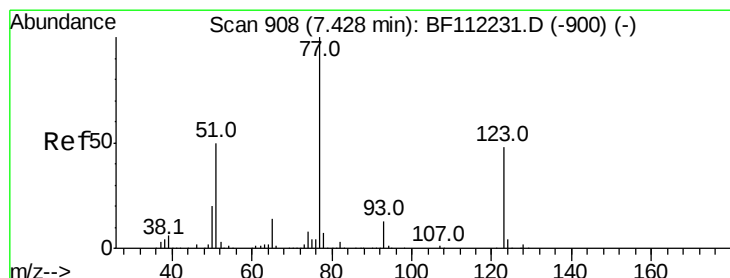
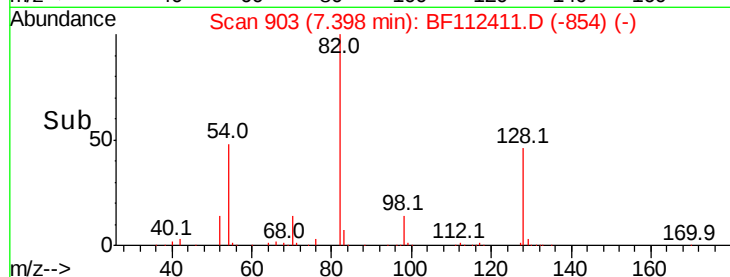
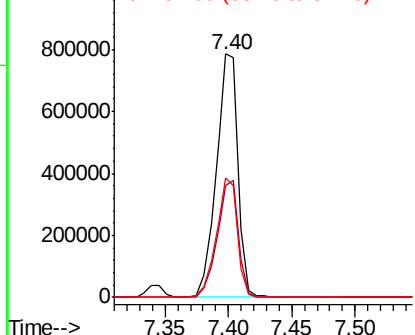
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.8	56.8
54	48.9	39.7	59.5

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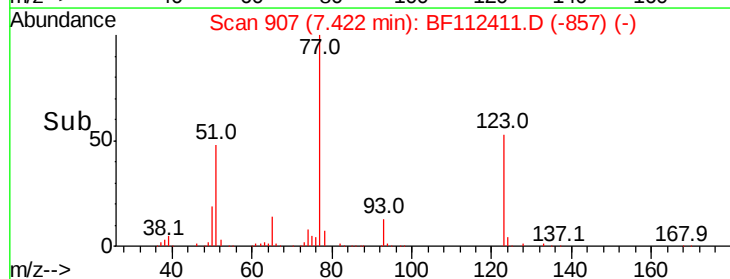
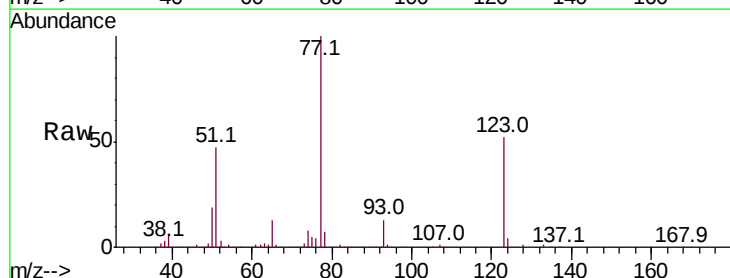
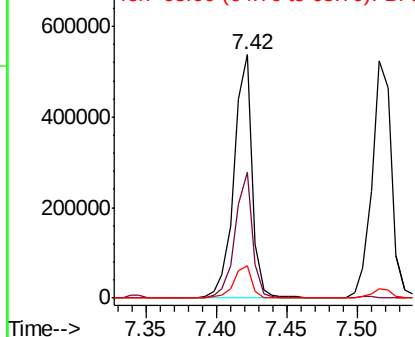
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

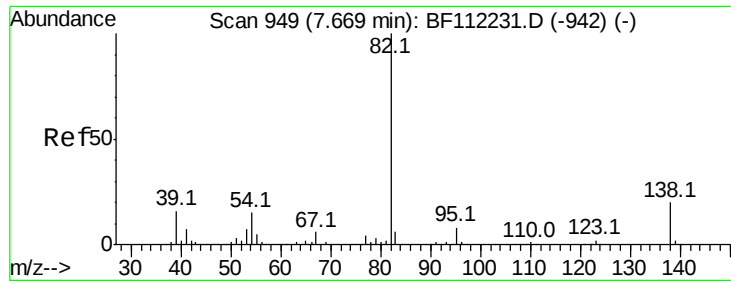


#24
Nitrobenzene
Concen: 46.367 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.9	38.4	57.6
65	13.4	10.6	15.8

Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 51.636 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

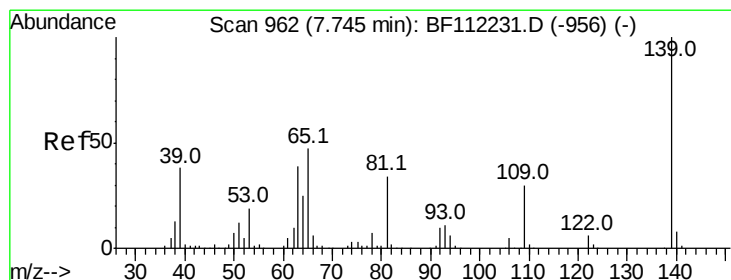
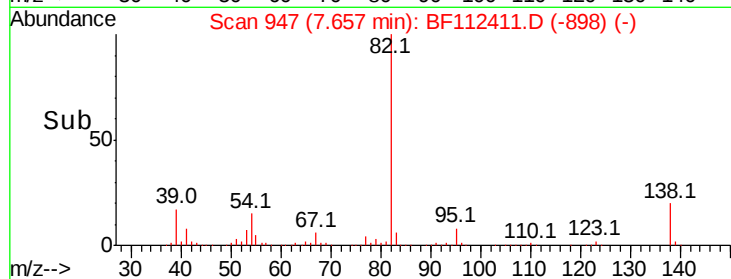
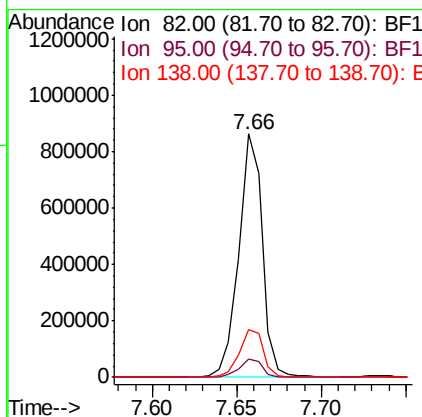
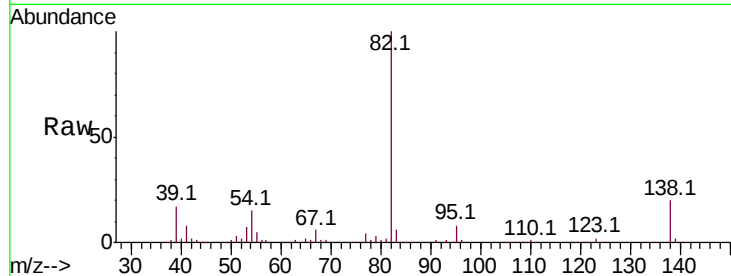
ClientSampleId :

HR-05-020419-AMSD

Tot Ion:	82	Resp:	841382
Ion Ratio	Lower	Upper	
82	100		
95	7.8	5.7	8.5
138	19.6	15.4	23.0

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#26

2-Nitrophenol

Concen: 43.095 ng

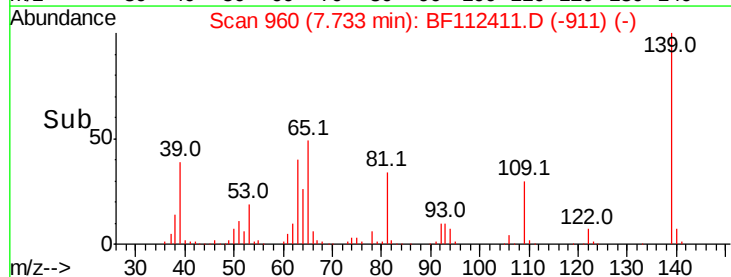
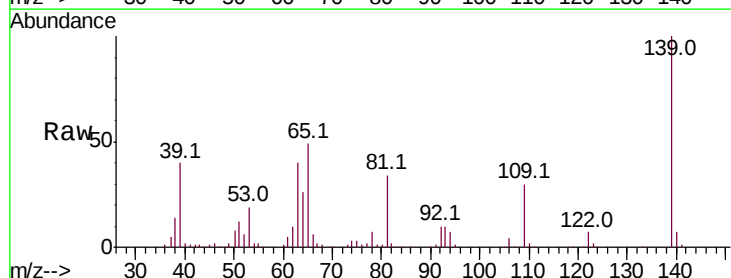
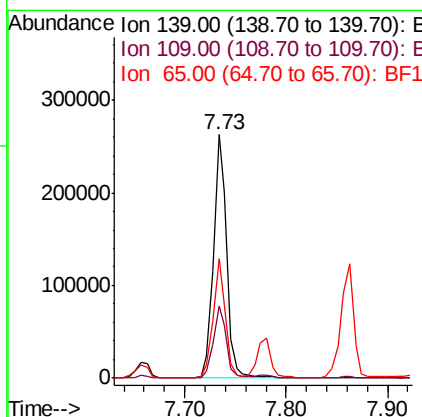
RT: 7.73 min Scan# 960

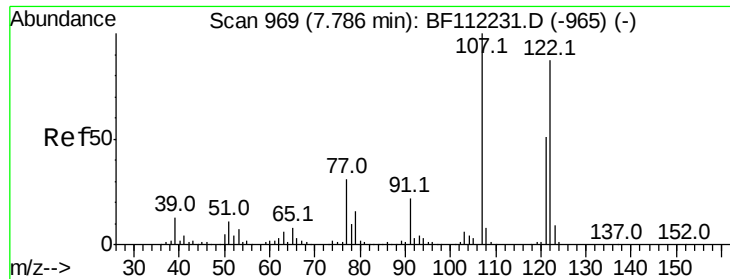
Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Tgt Ion:	139	Resp:	238905
Ion Ratio	Lower	Upper	
139	100		
109	29.8	20.8	31.2
65	49.0	34.4	51.6





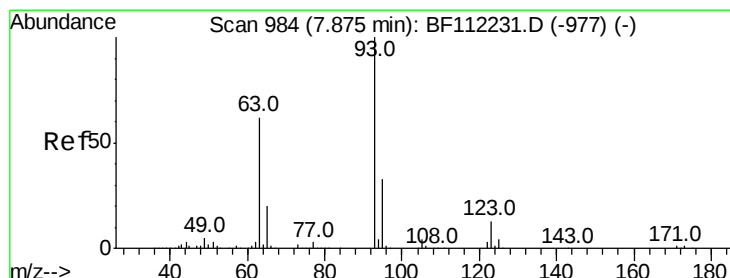
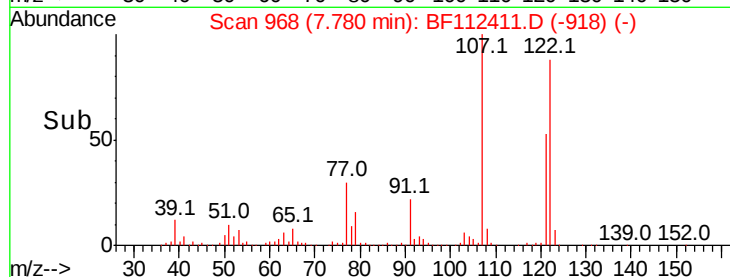
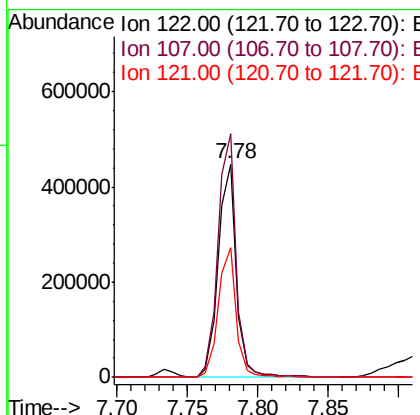
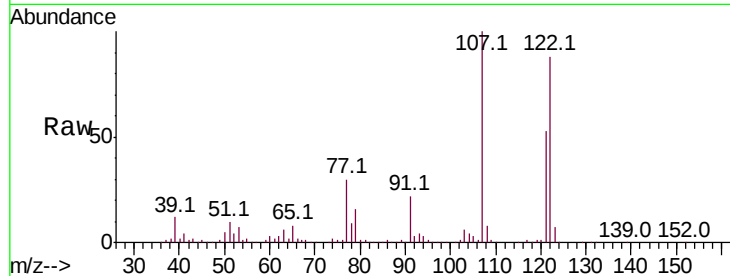
#27
2,4-Dimethylphenol
Concen: 52.374 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.2	85.4	128.0
121	60.6	47.0	70.4

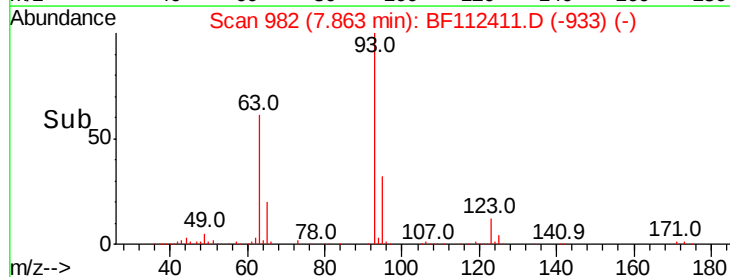
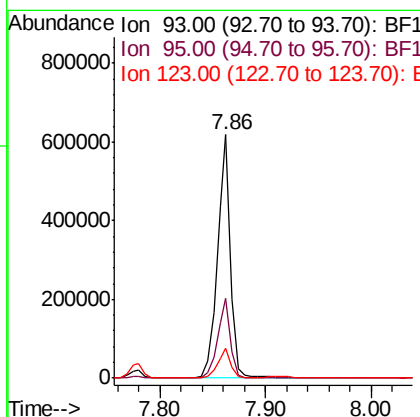
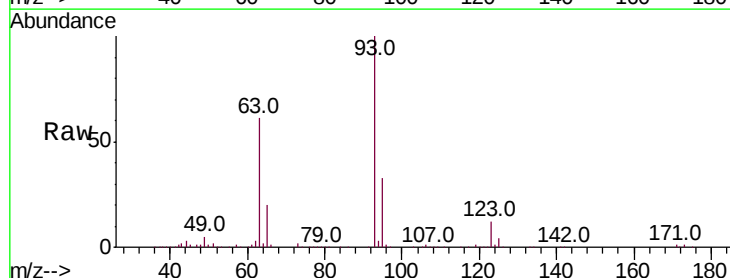
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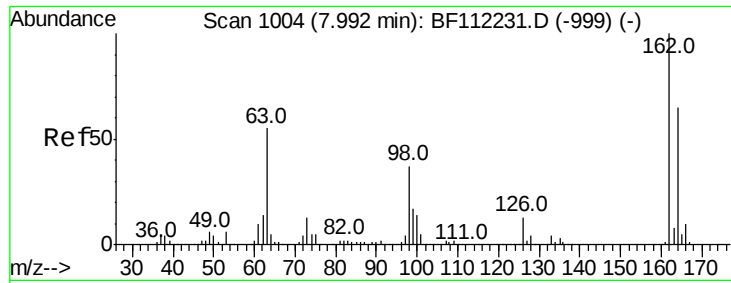
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 48.624 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.8	40.2
123	12.1	10.2	15.2





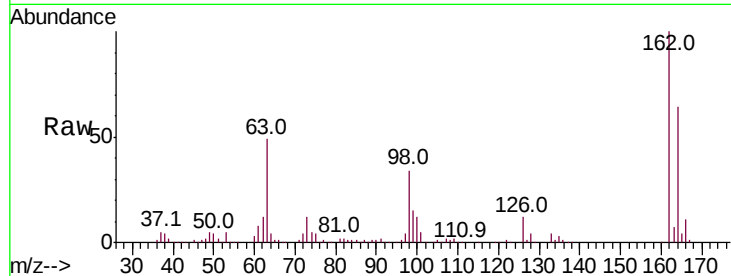
#29
 2,4-Dichlorophenol
 Concen: 46.388 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

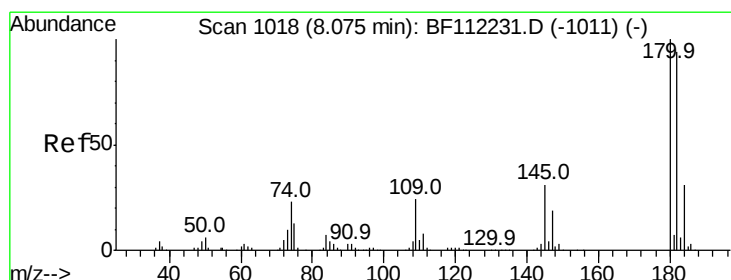
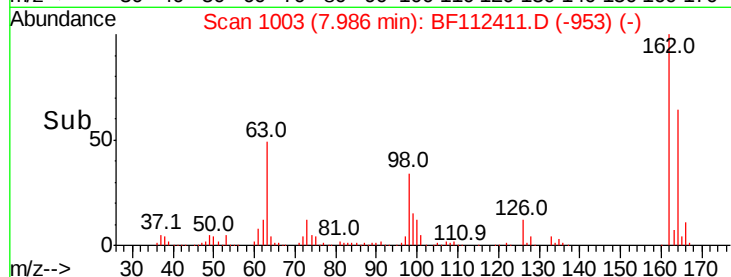
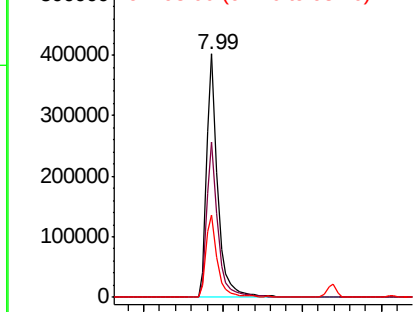
Tot Ion:	162	Resp:	396495
Ion Ratio	Lower	Upper	
162	100		
164	63.7	44.6	84.6
98	33.9	14.6	54.6

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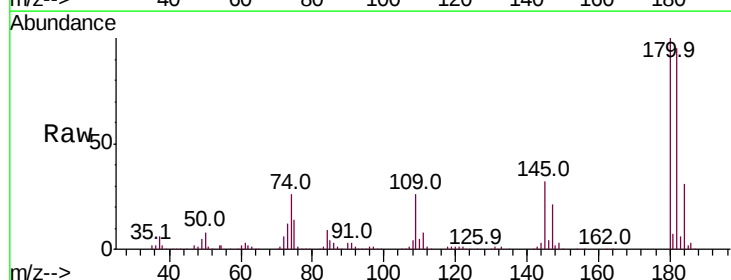


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

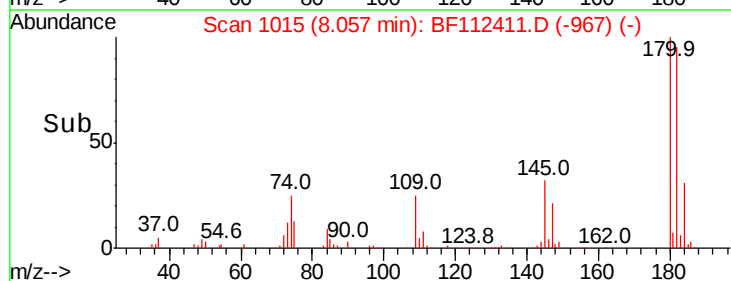
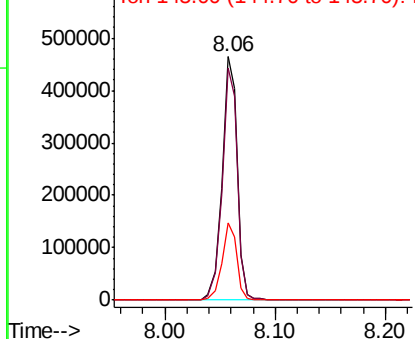


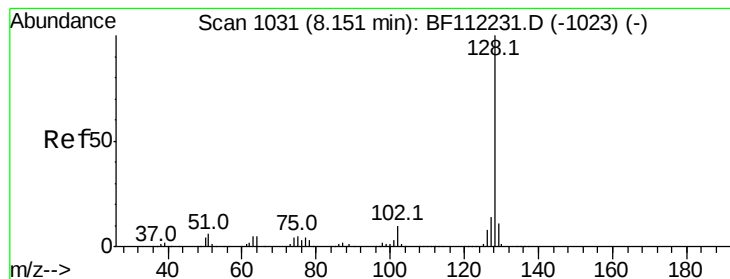
#30
 1,2,4-Trichlorobenzene
 Concen: 45.223 ng
 RT: 8.06 min Scan# 1015
 Delta R.T. -0.02 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion:	180	Resp:	444307
Ion Ratio	Lower	Upper	
180	100		
182	95.5	76.4	114.6
145	31.7	25.0	37.4



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 48.460 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

Tot Ion:128 Resp: 1356270

Ion Ratio Lower Upper

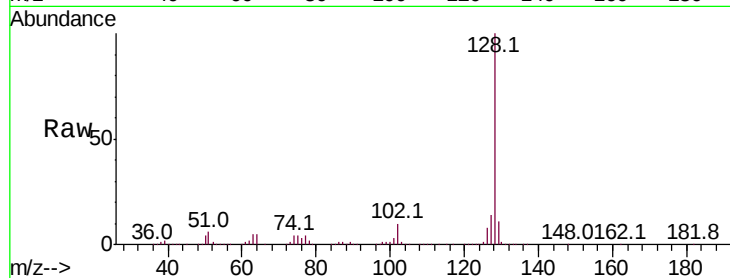
128 100

129 11.3 9.6 14.4

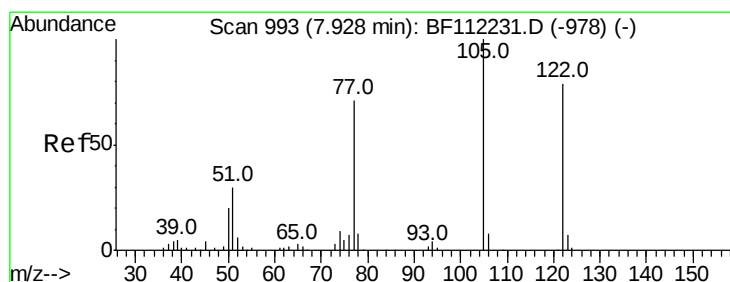
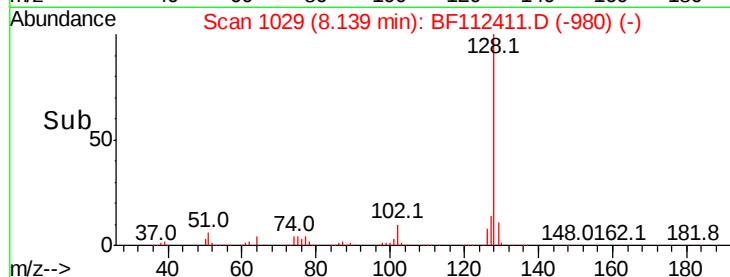
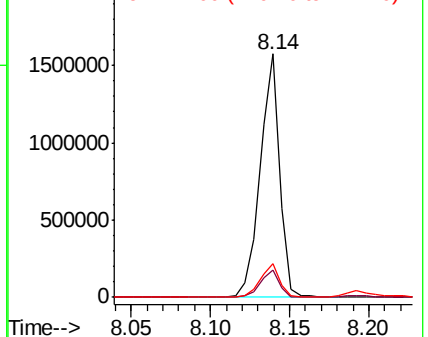
127 14.1 11.1 16.7

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 29.433 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

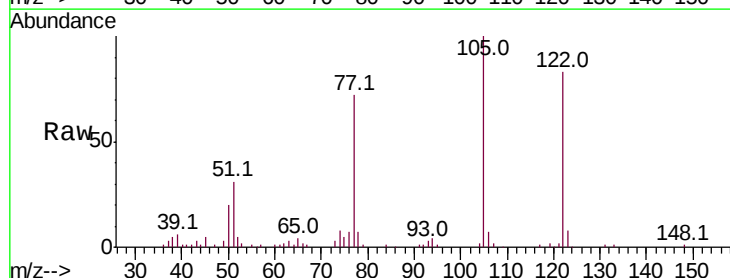
Tgt Ion:122 Resp: 128235

Ion Ratio Lower Upper

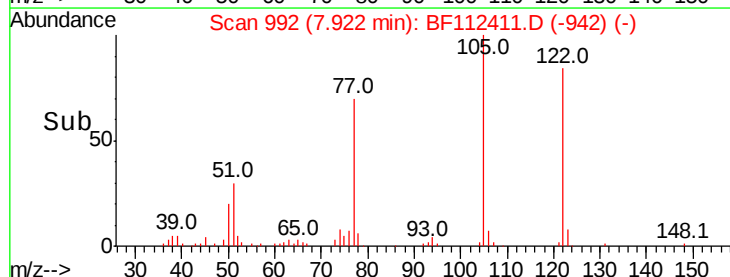
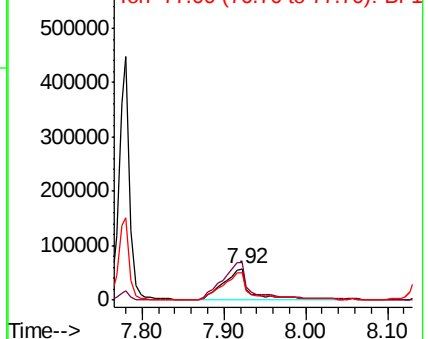
122 100

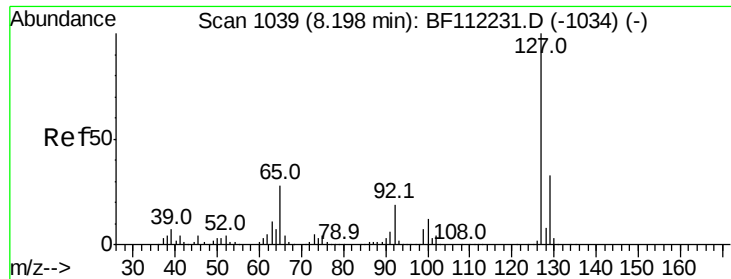
105 120.5 101.2 141.2

77 86.5 70.4 110.4



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





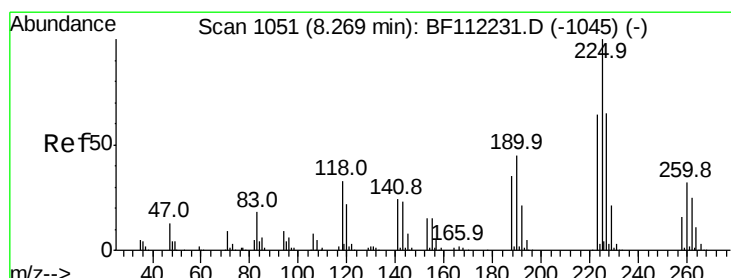
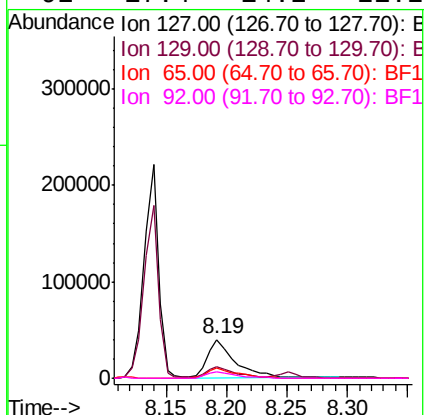
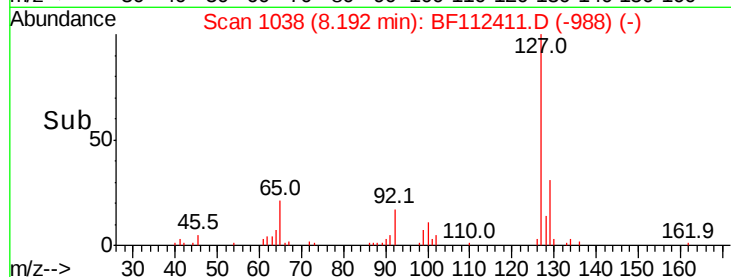
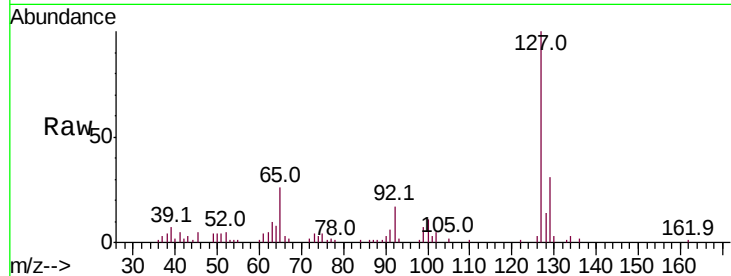
#33
4-Chloroaniline
Concen: 5.276 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	30.7	26.6	39.8
65	25.6	21.4	32.2
92	17.4	14.2	21.2

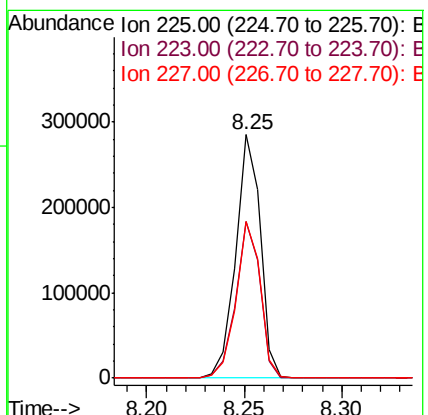
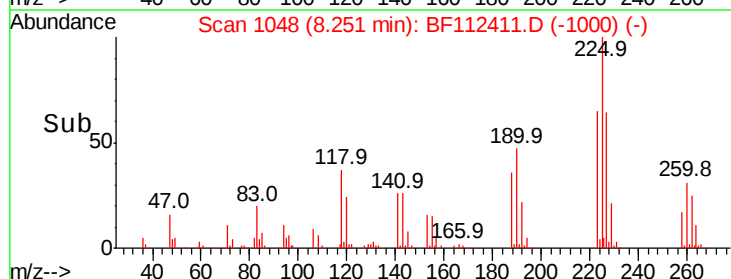
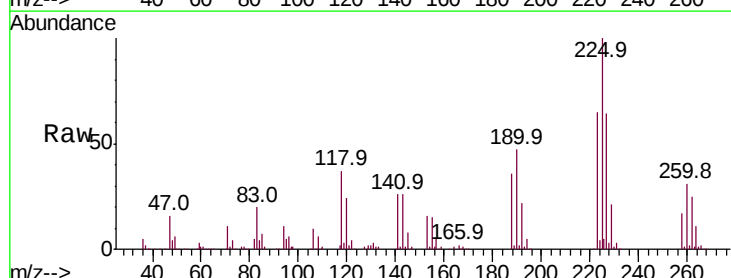
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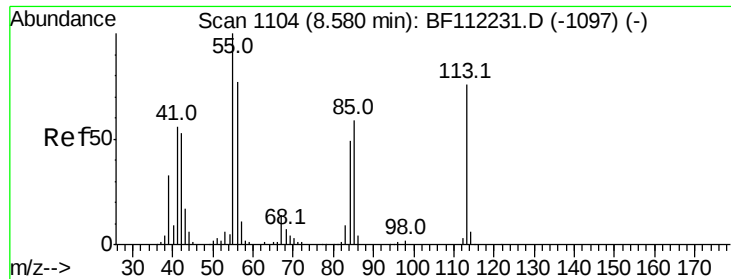
mohammad
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#34
Hexachlorobutadiene
Concen: 43.258 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.3	75.5
227	64.1	51.8	77.8





#35

Caprolactam

Concen: 31.936 ng/mL

RT: 8.57 min Scan# 1102

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

Tot Ion:113 Resp: 96294

Ion Ratio Lower Upper

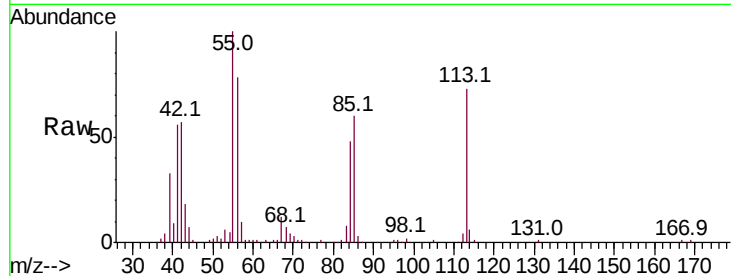
113 100

55 136.1 121.6 161.6

56 106.1 86.7 126.7

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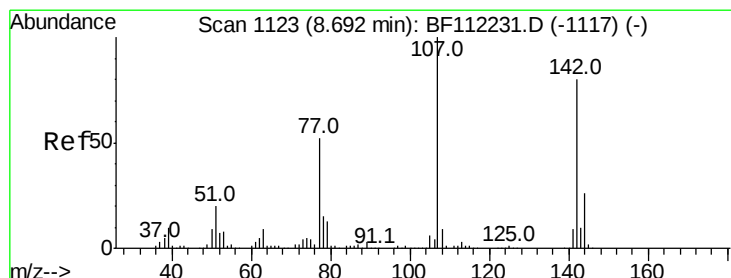
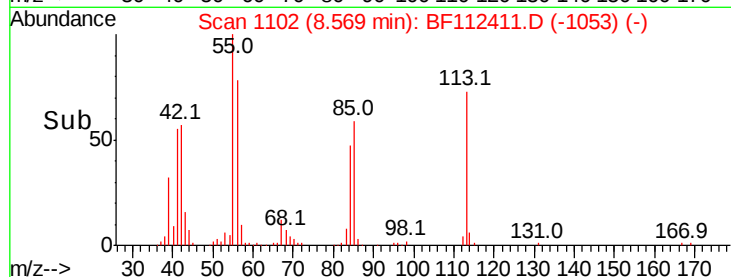
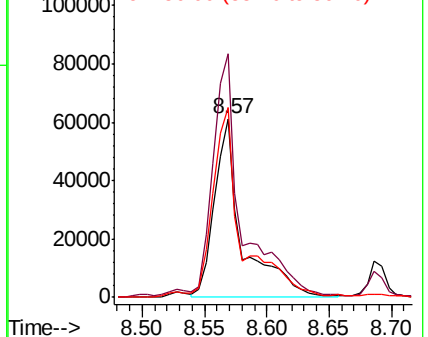
mohammad
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 42.427 ng/mL

RT: 8.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

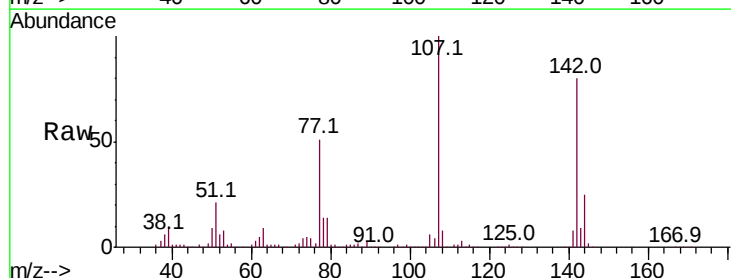
Tgt Ion:107 Resp: 383894

Ion Ratio Lower Upper

107 100

144 25.3 22.2 33.2

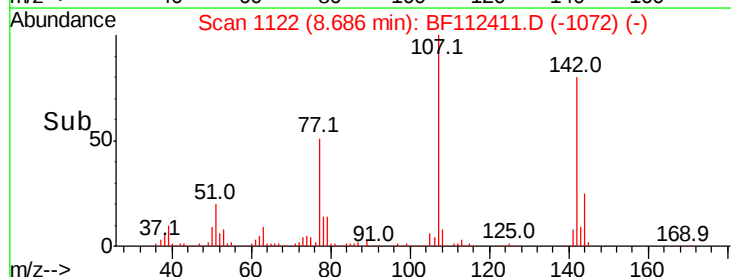
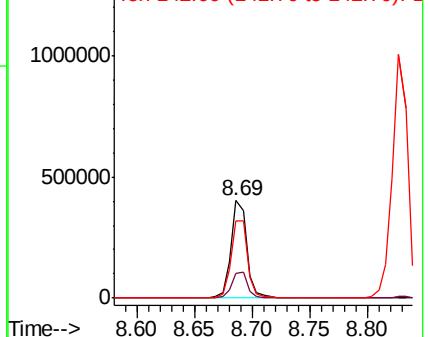
142 79.7 67.7 101.5

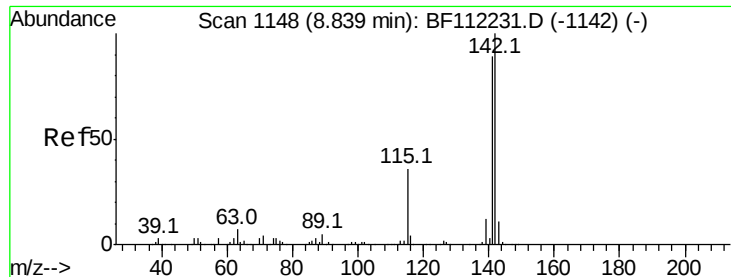


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





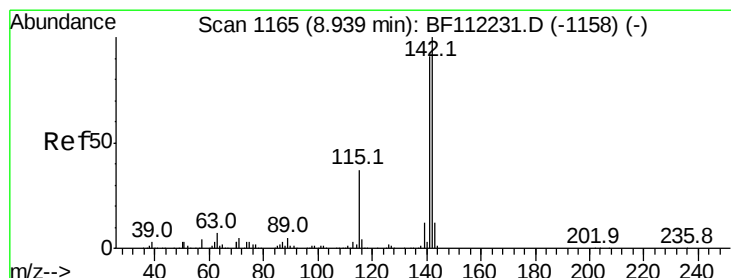
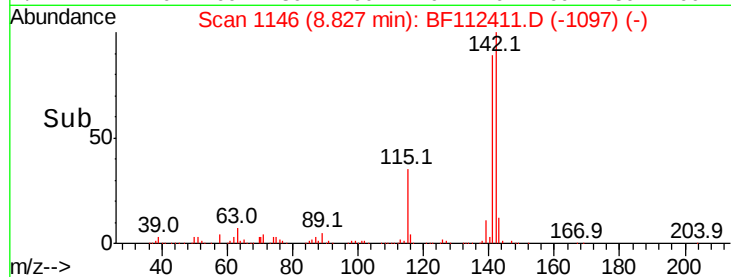
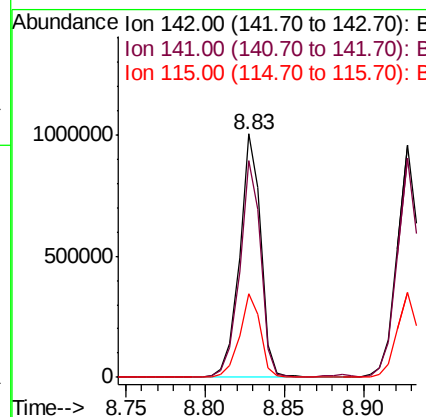
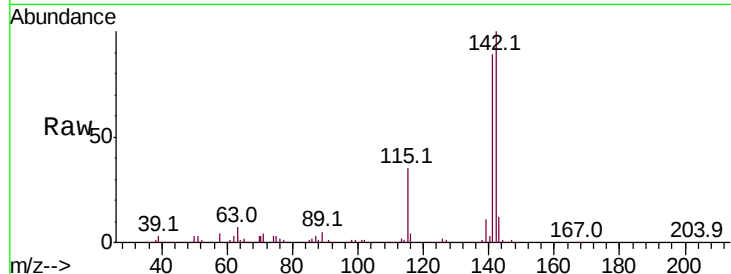
#37
2-Methylnaphthalene
Concen: 48.411 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	927544		
141	89.1	70.9	106.3	
115	34.5	24.9	37.3	

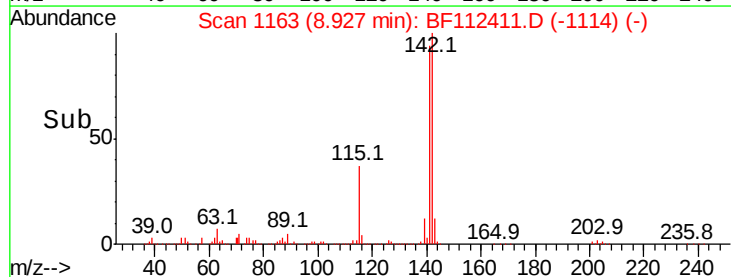
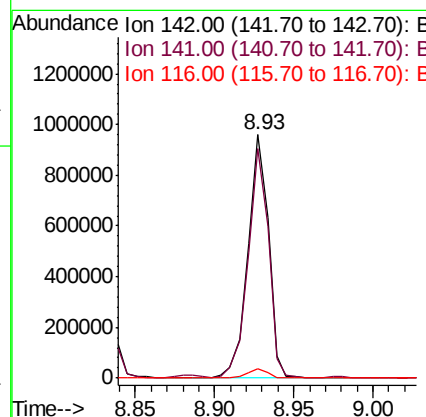
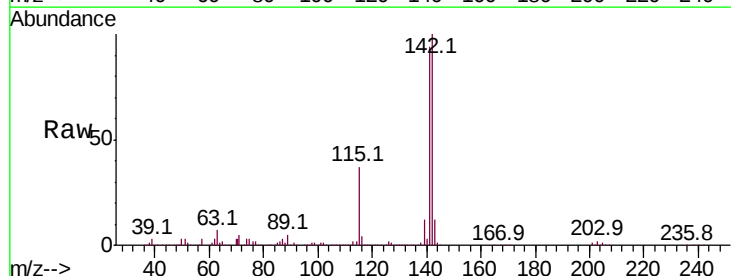
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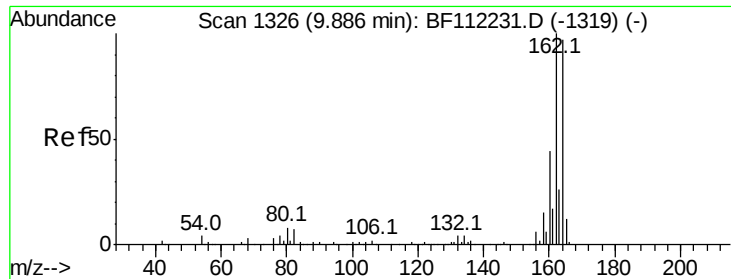
mohammad
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#38
1-Methylnaphthalene
Concen: 46.575 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	855319		
141	94.3	72.6	108.8	
116	4.0	2.8	4.2	





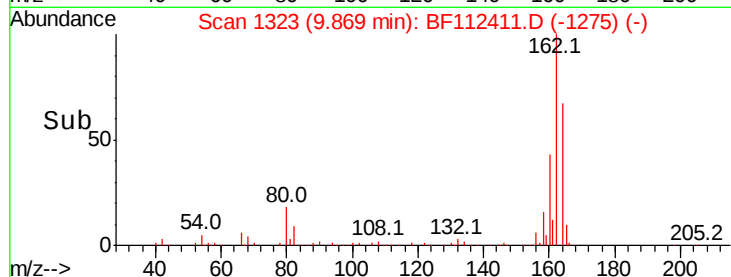
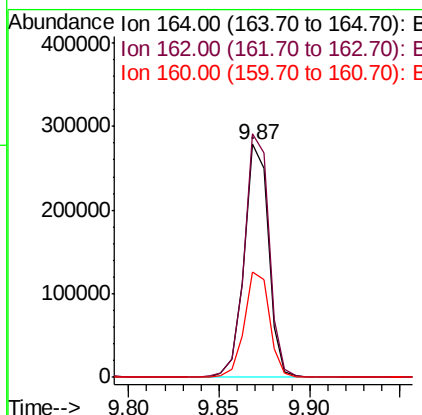
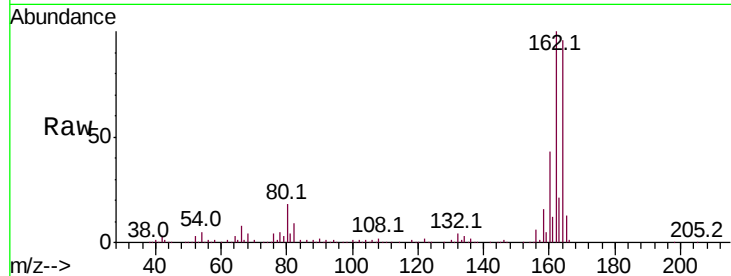
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.5	82.2	123.4	
160	45.1	36.2	54.4	

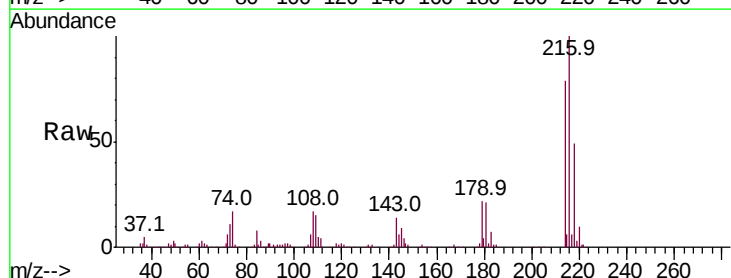
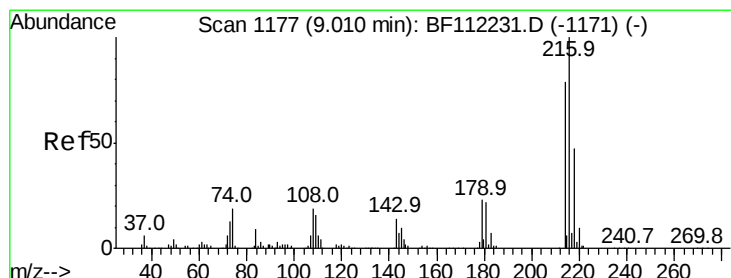
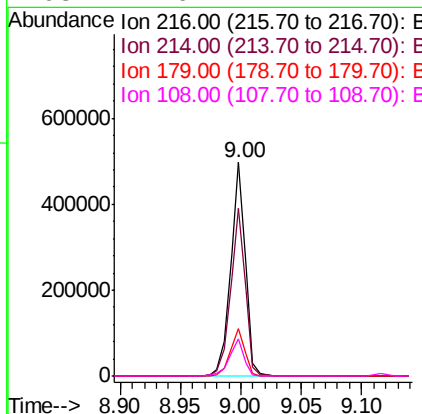
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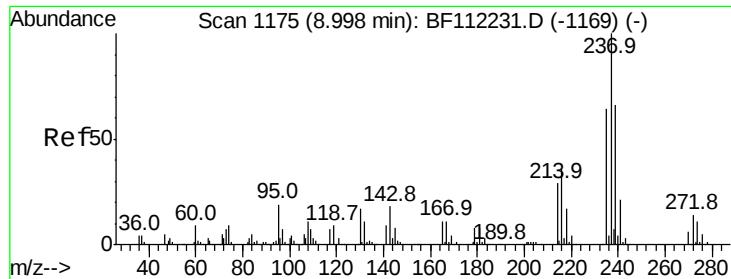
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.900 ng
RT: 9.00 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.0	63.8	95.6	
179	22.0	16.9	25.3	
108	17.6	14.2	21.4	





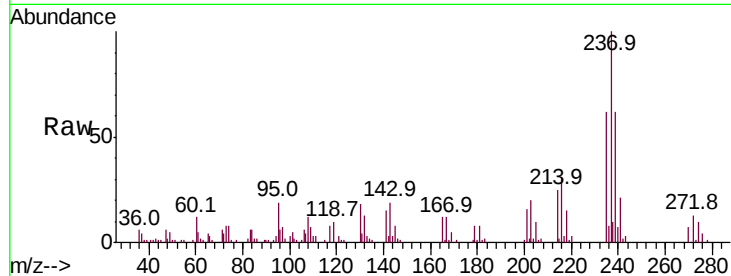
#41
Hexachlorocyclopentadiene
Concen: 21.351 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

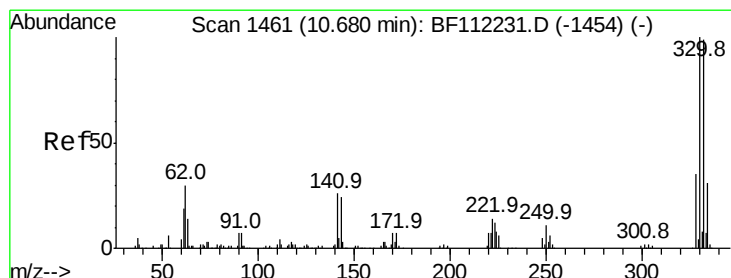
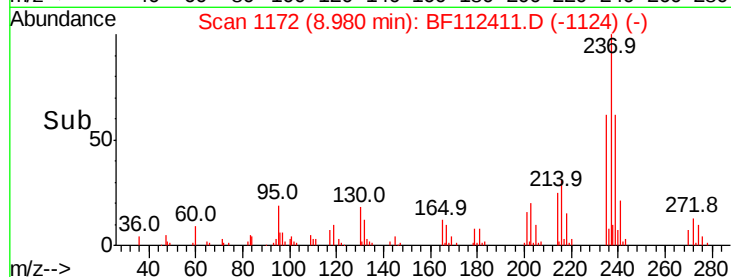
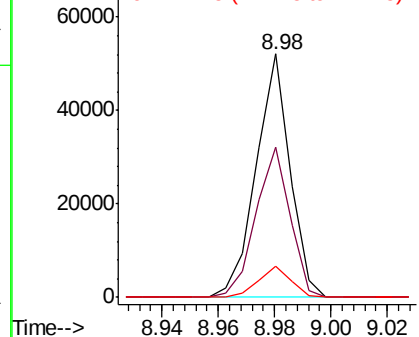
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	61.7	44.0	84.0
272	12.9	0.0	33.3

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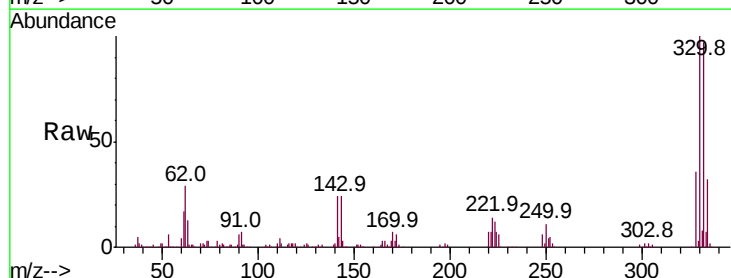


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

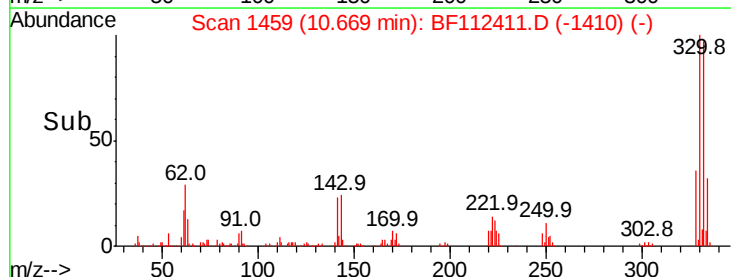
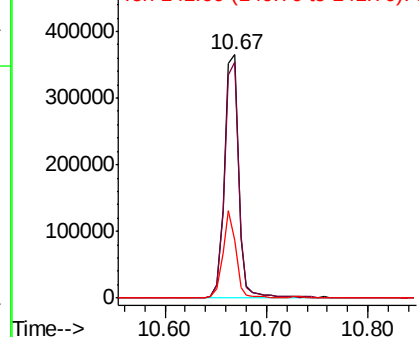


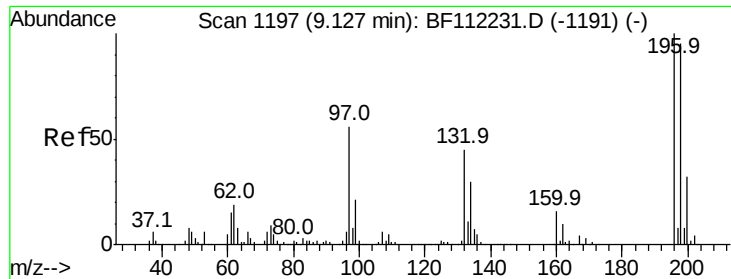
#42
2,4,6-Tribromophenol
Concen: 119.527 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	97.5	76.6	114.8
141	32.2	24.3	36.5



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





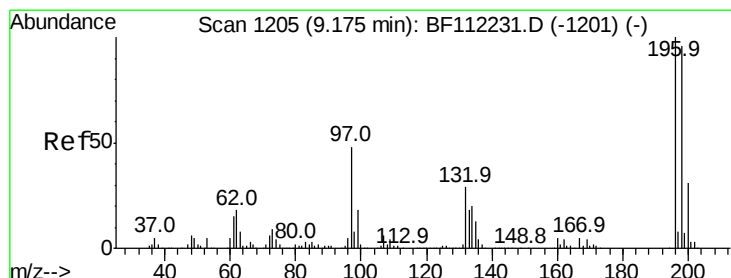
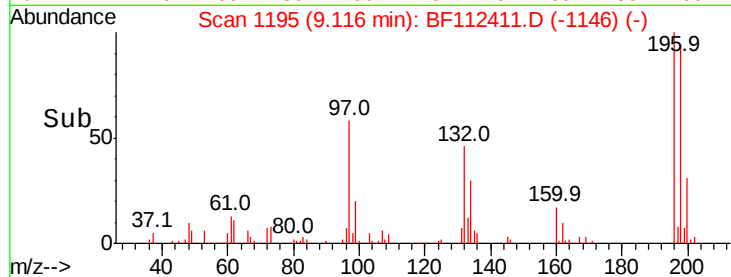
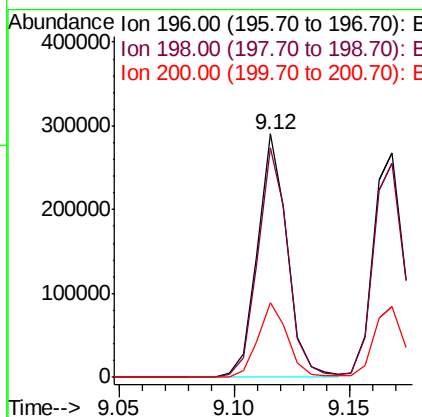
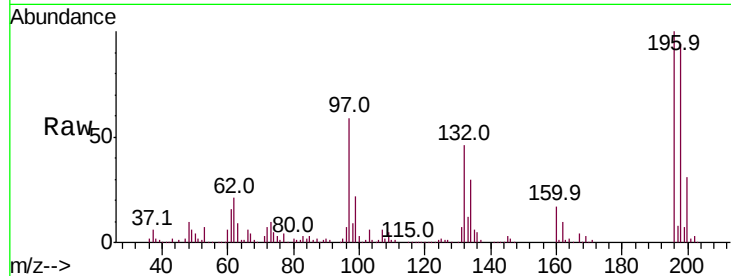
#43
 2,4,6-Trichlorophenol
 Concen: 49.671 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Tot Ion:	196	Resp:	261197
Ion Ratio	Lower	Upper	
196	100		
198	94.1	76.2	114.4
200	30.8	24.3	36.5

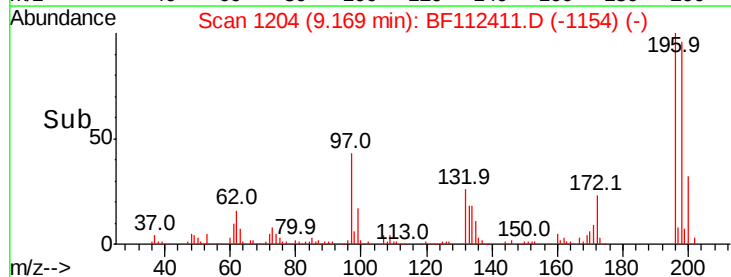
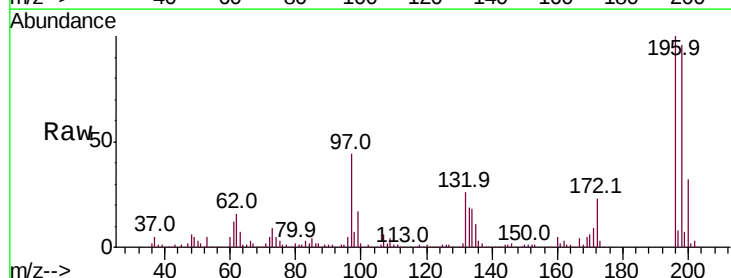
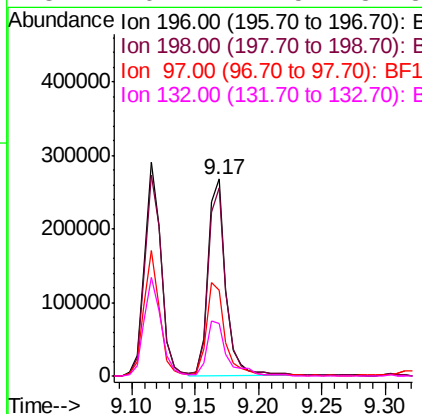
Manual Integrations
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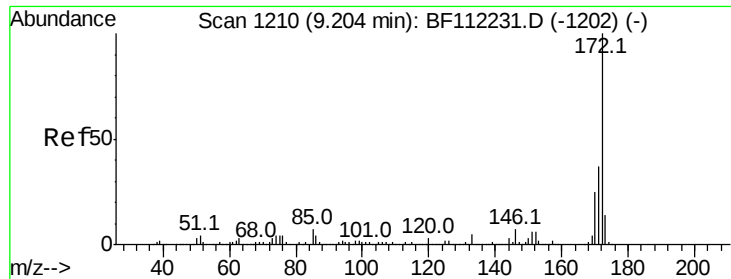
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#44
 2,4,5-Trichlorophenol
 Concen: 48.195 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion:	196	Resp:	264877
Ion Ratio	Lower	Upper	
196	100		
198	95.5	76.0	114.0
97	43.6	36.4	54.6
132	26.4	21.5	32.3





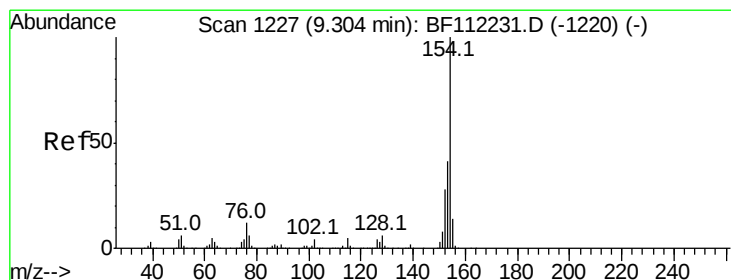
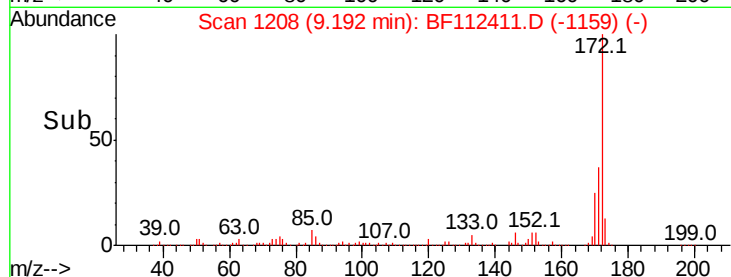
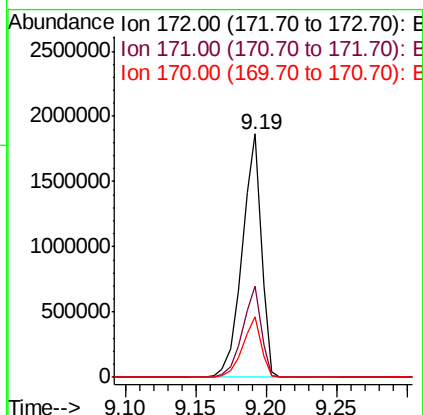
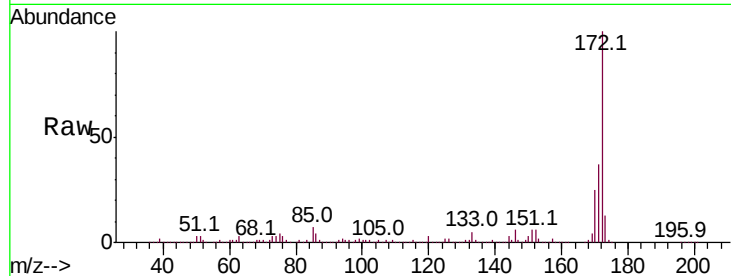
#45
 2-Fluorobiphenyl
 Concen: 96.024 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.5	45.7
170	24.8	20.2	30.4

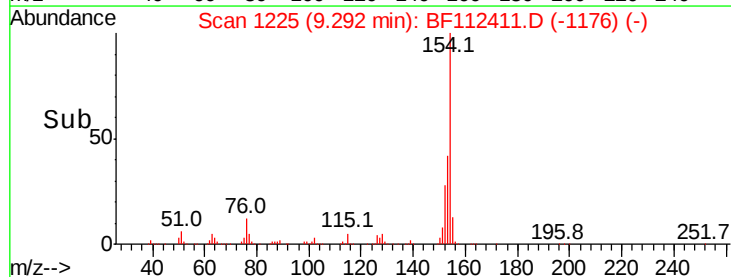
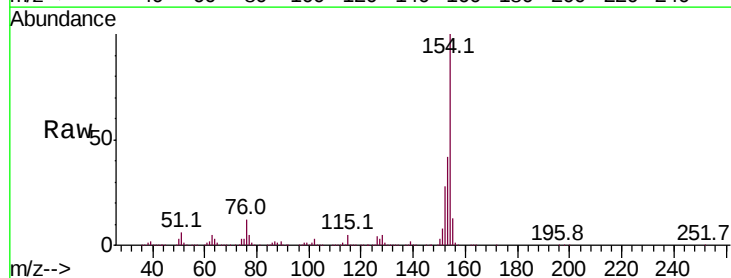
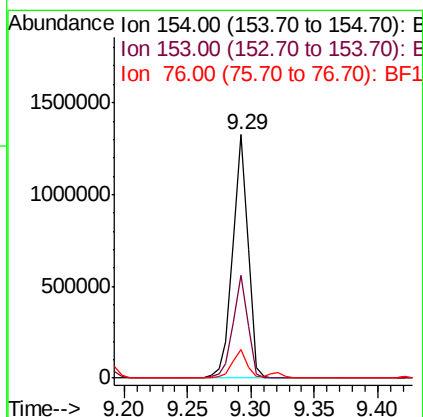
Manual Integrations
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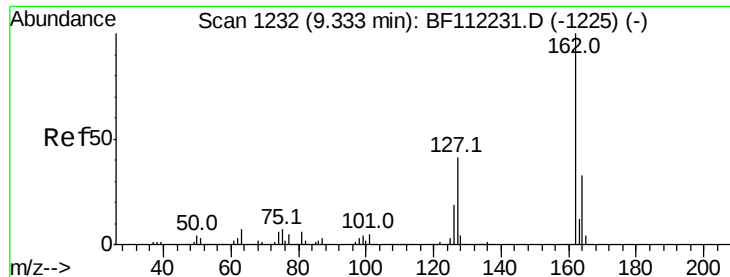
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#46
 1,1'-Biphenyl
 Concen: 48.389 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.1	21.5	61.5
76	11.8	0.0	33.1





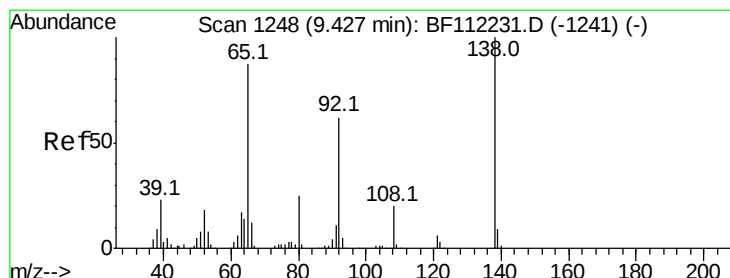
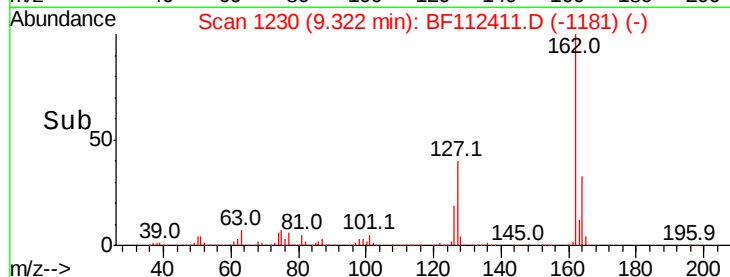
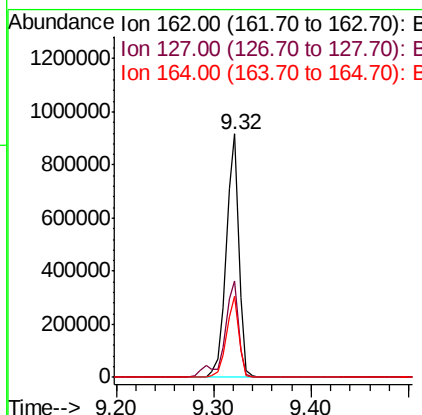
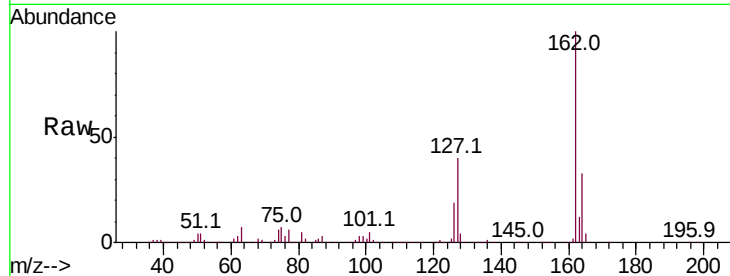
#47
2-Chloronaphthalene
Concen: 46.821 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	39.9	30.4	45.6	
164	33.1	27.4	41.2	

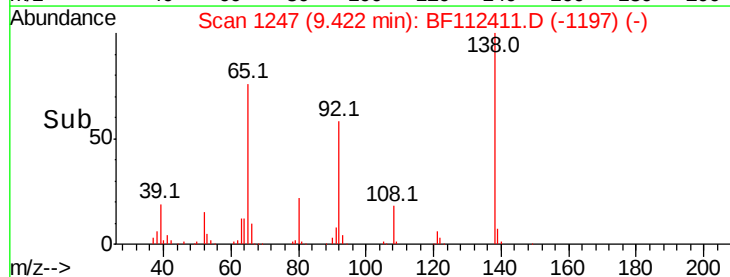
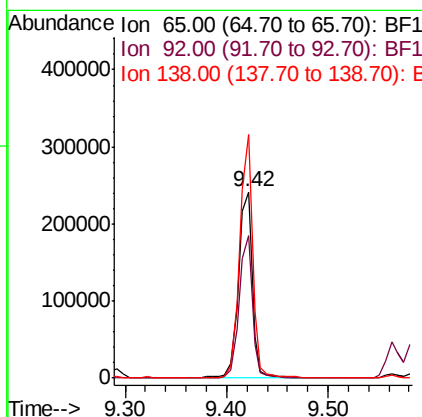
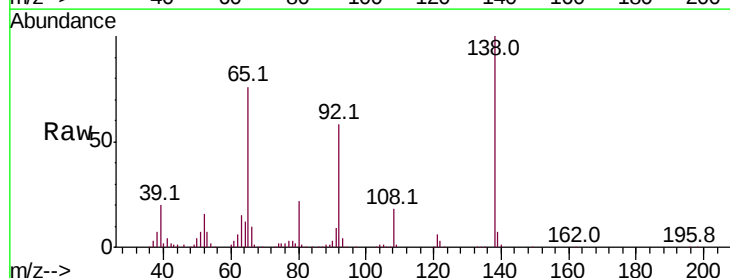
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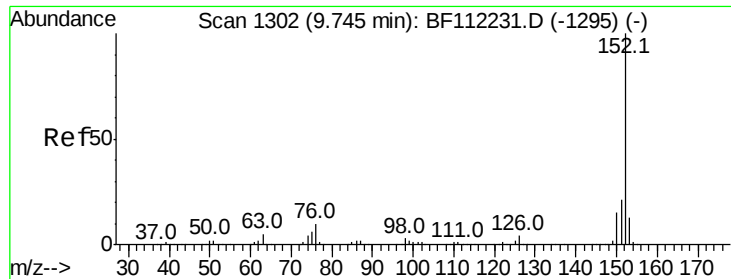
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#48
2-Nitroaniline
Concen: 48.551 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	76.2	60.4	90.6	
138	130.7	104.4	156.6	





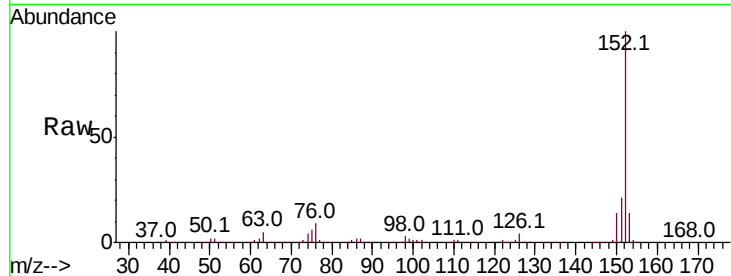
#49
Acenaphthylene
Concen: 48.438 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

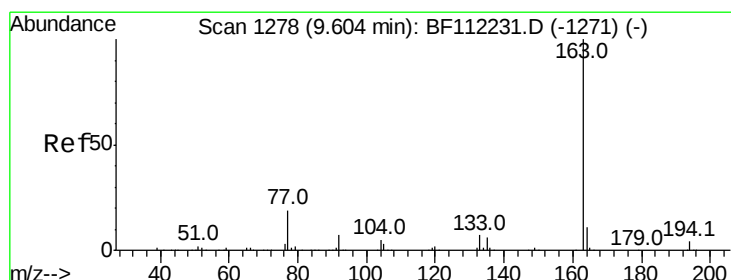
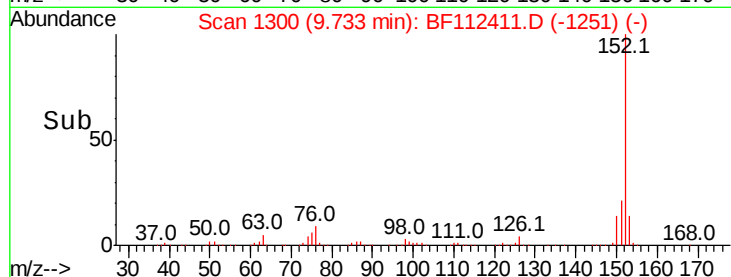
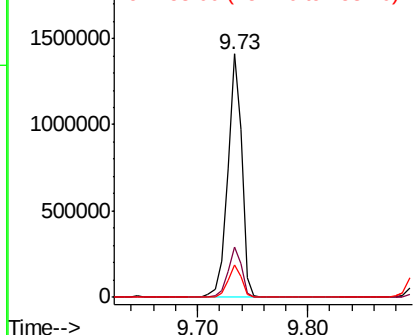
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.6	17.0	25.6
153	13.5	11.2	16.8

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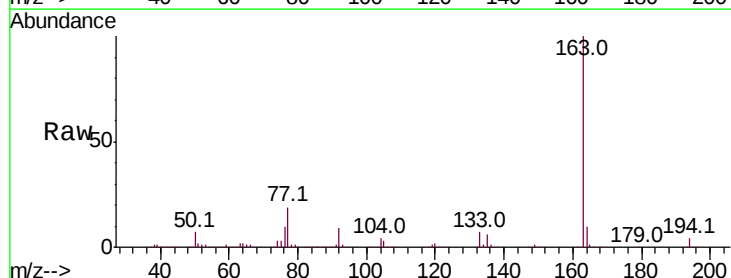


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

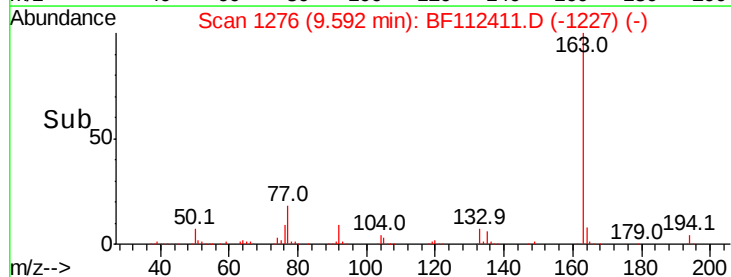
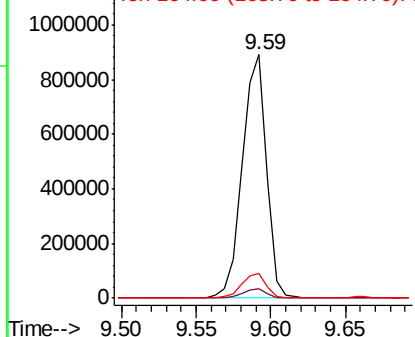


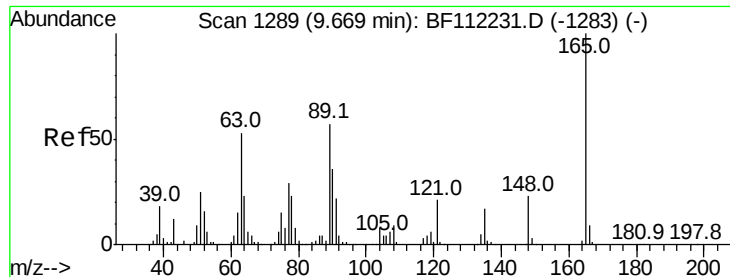
#50
Dimethylphthalate
Concen: 49.292 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.3	8.5	12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





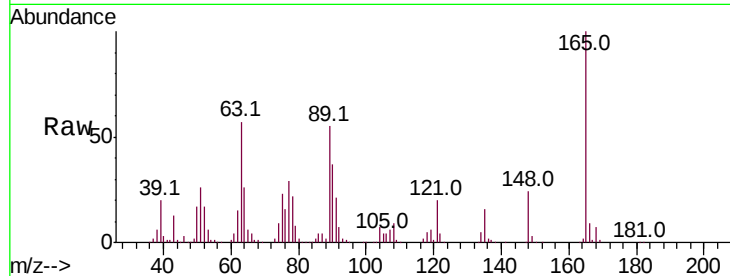
#51
2,6-Dinitrotoluene
Concen: 45.433 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

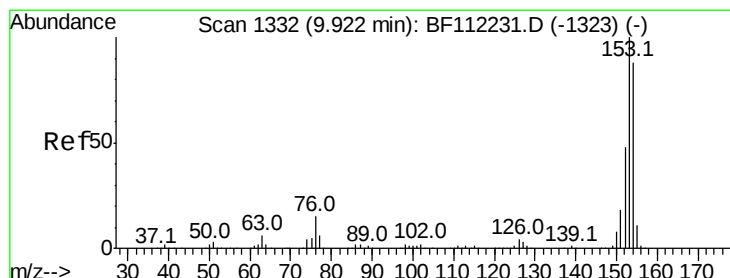
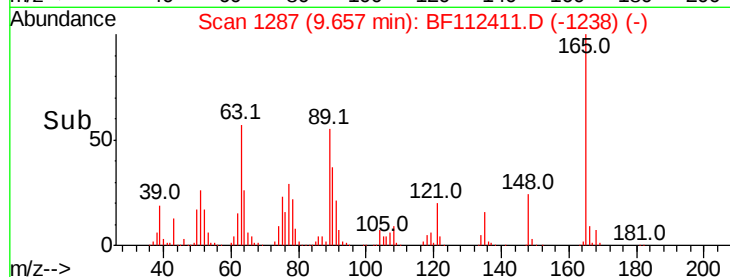
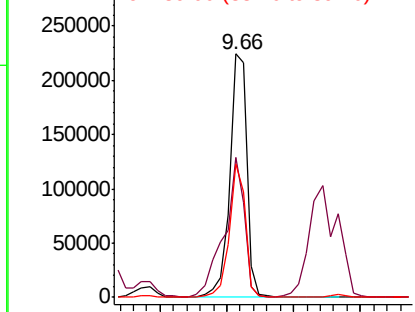
Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	57.3	33.8	50.8#
89	54.7	36.9	55.3

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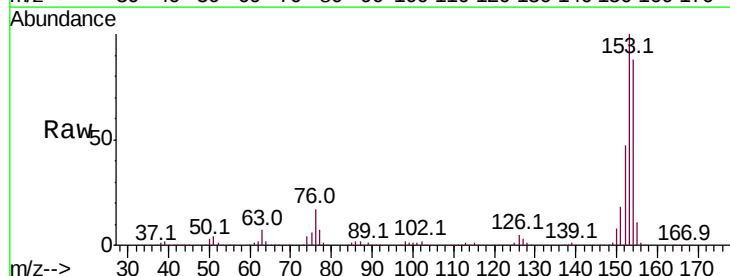


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

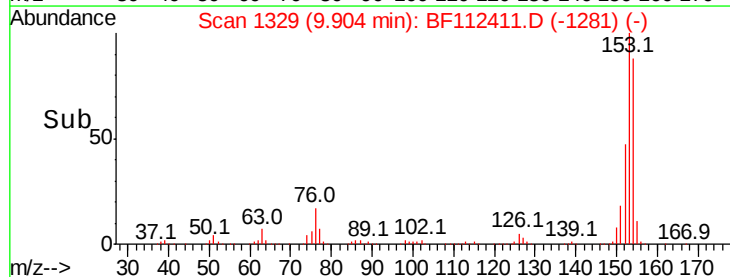
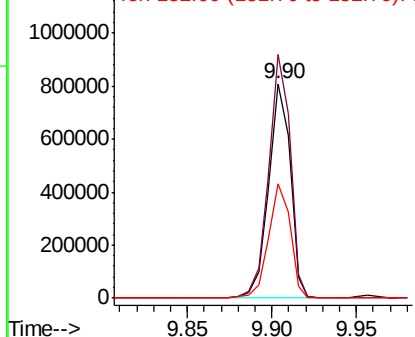


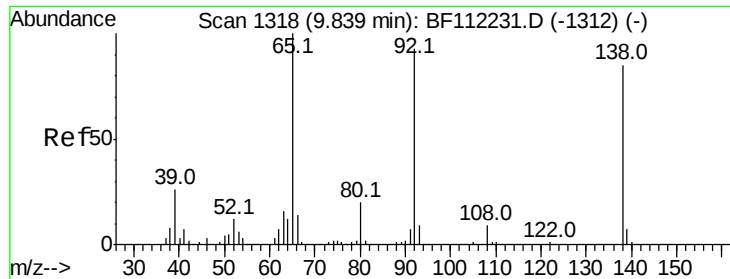
#52
Acenaphthene
Concen: 46.667 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	113.4	89.8	134.6
152	53.3	43.5	65.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





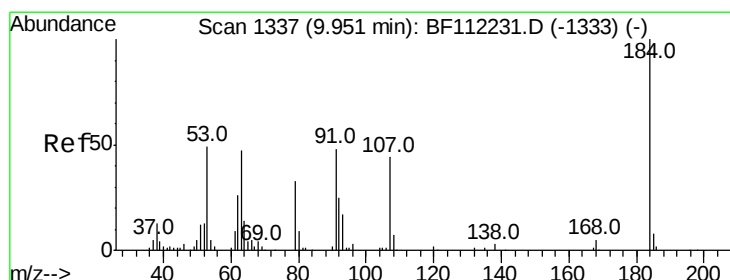
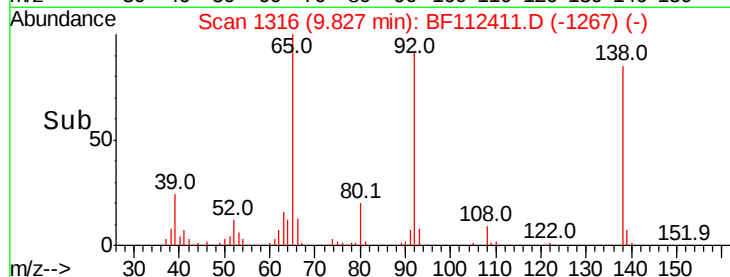
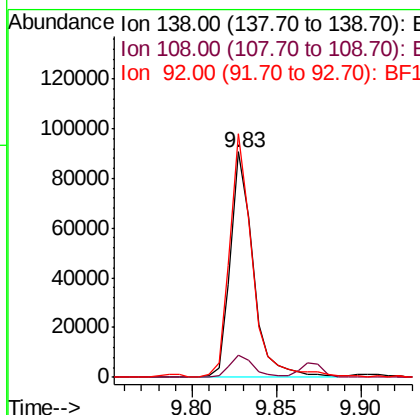
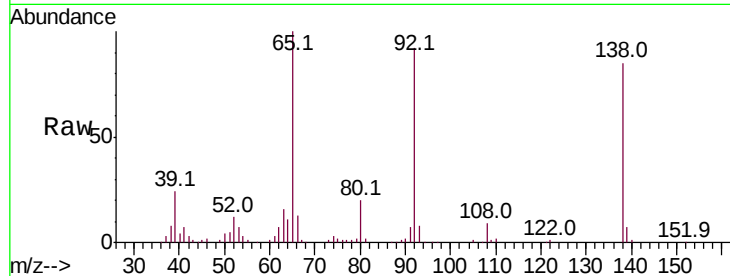
#53
3-Nitroaniline
Concen: 17.283 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion:138 Resp: 84654
Ion Ratio Lower Upper
138 100
108 10.1 9.8 14.6
92 108.0 79.4 119.2

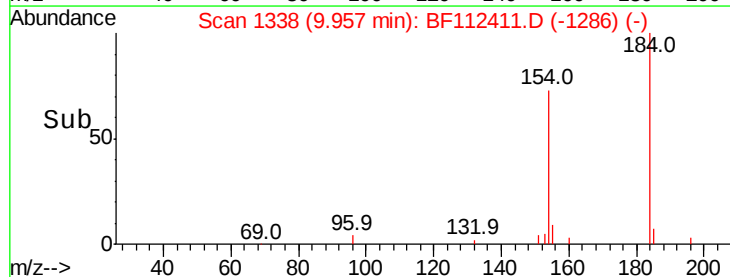
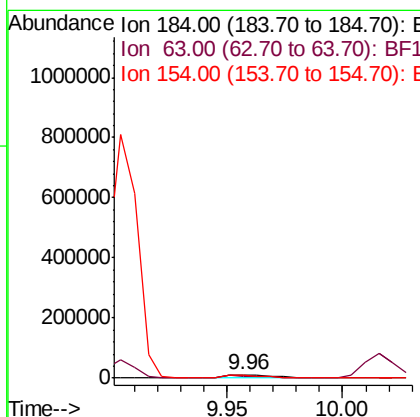
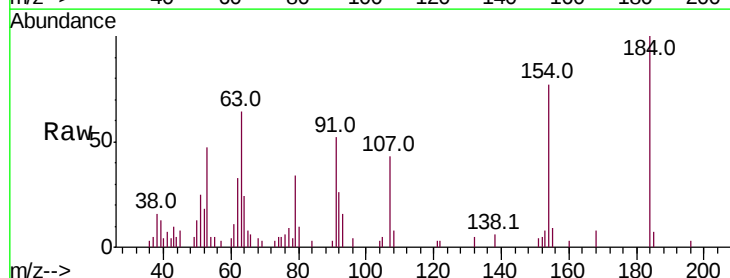
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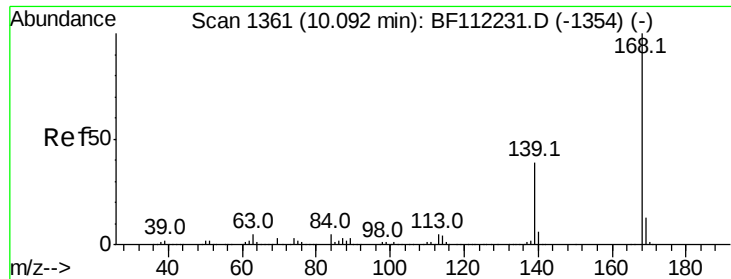
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#54
2,4-Dinitrophenol
Concen: 12.723 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:184 Resp: 18460
Ion Ratio Lower Upper
184 100
63 64.2 47.1 70.7
154 77.0 48.9 73.3#





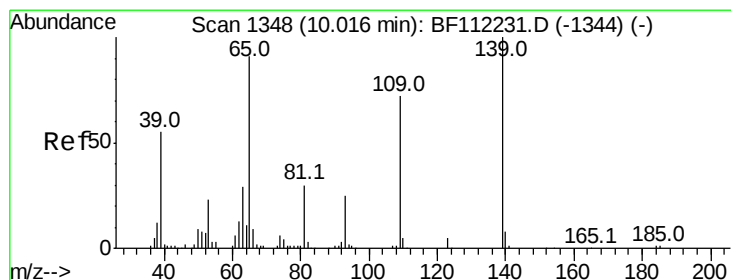
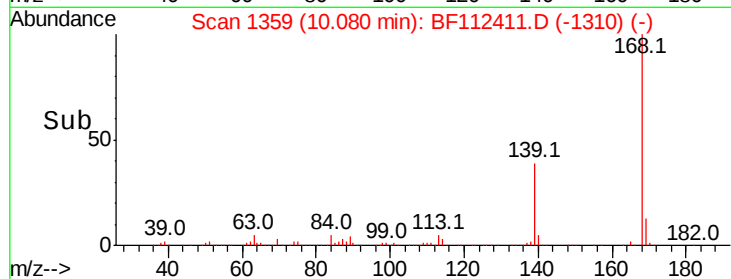
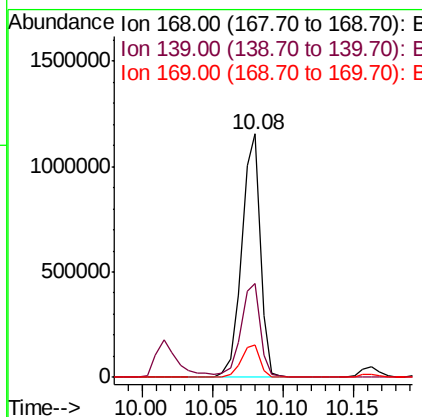
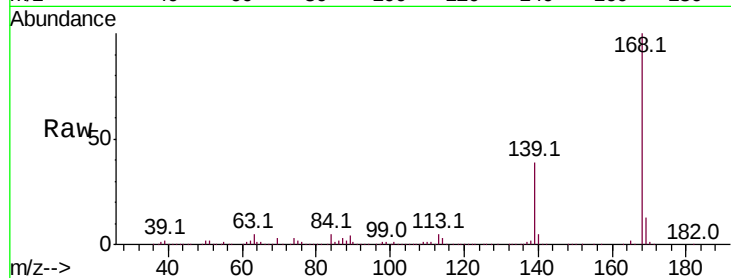
#55
Dibenzofuran
Concen: 44.855 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion:168 Resp: 1057158
Ion Ratio Lower Upper
168 100
139 38.6 29.2 43.8
169 13.3 11.4 17.0

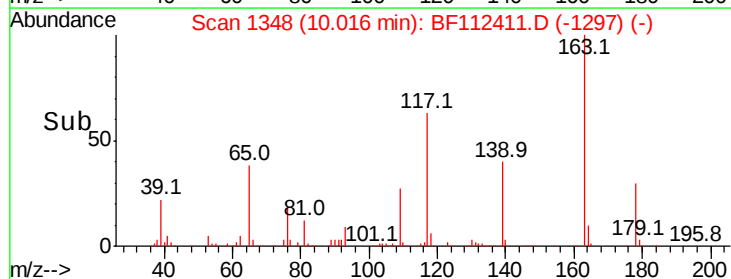
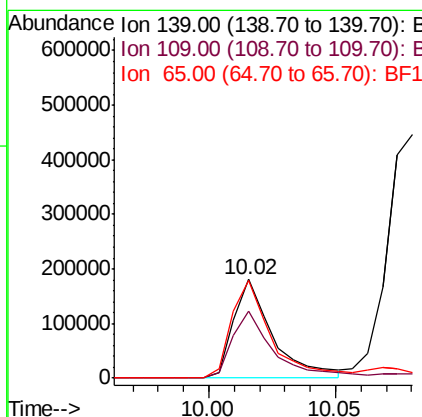
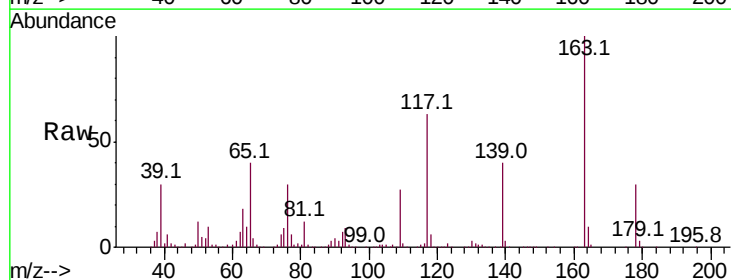
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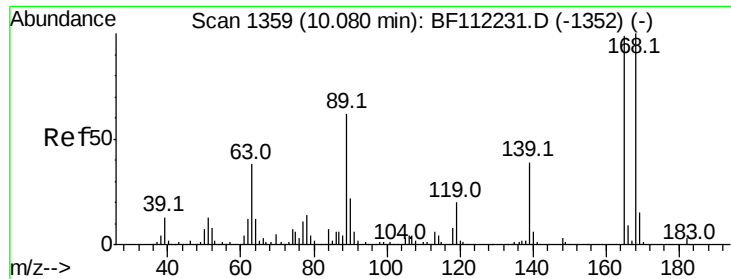
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#56
4-Nitrophenol
Concen: 75.763 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:139 Resp: 196192
Ion Ratio Lower Upper
139 100
109 68.4 42.8 82.8
65 99.8 66.1 106.1





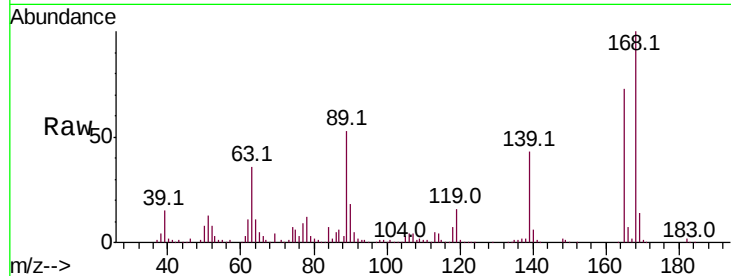
#57
2,4-Dinitrotoluene
Concen: 41.944 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	49.3	27.9	41.9#
89	72.7	47.9	71.9#
182	2.7	2.2	3.4

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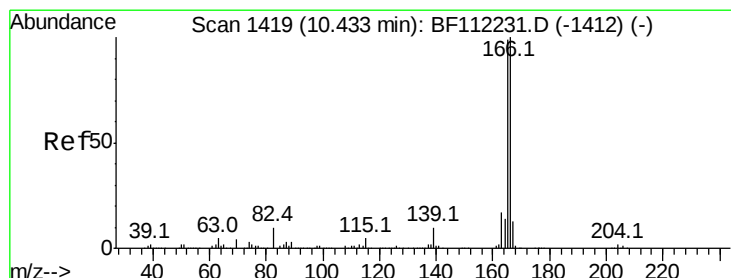
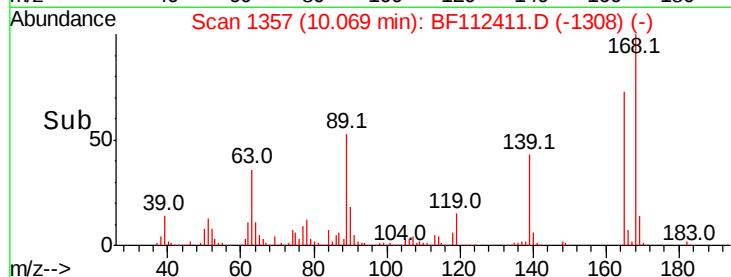
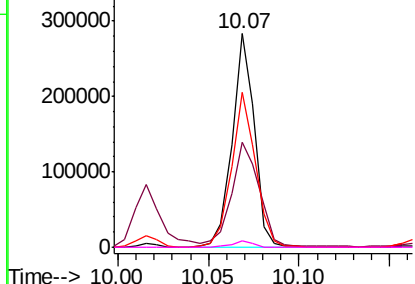
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

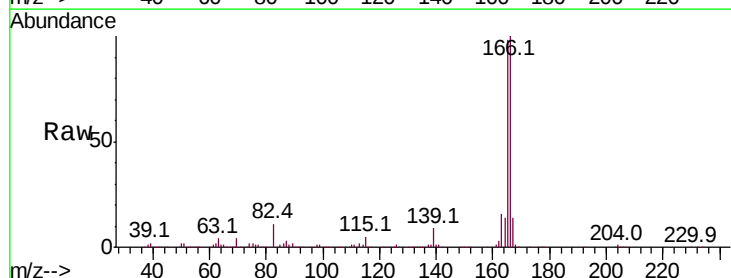
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 46.820 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	98.2	77.1	115.7
167	13.7	11.3	16.9

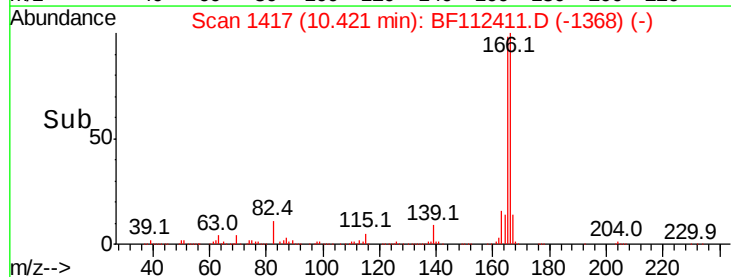
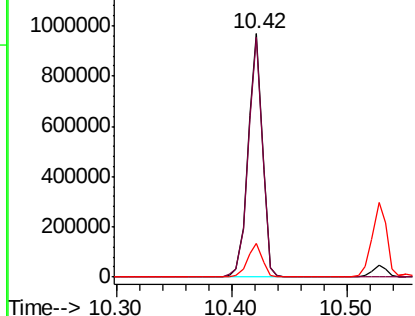


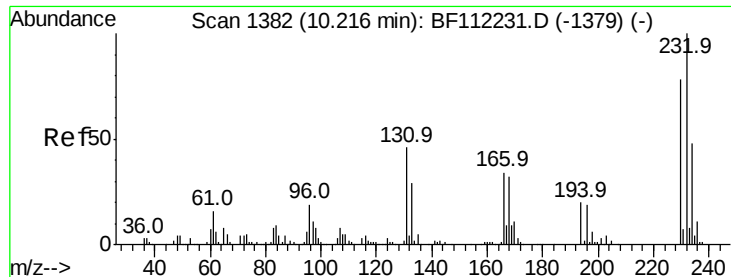
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





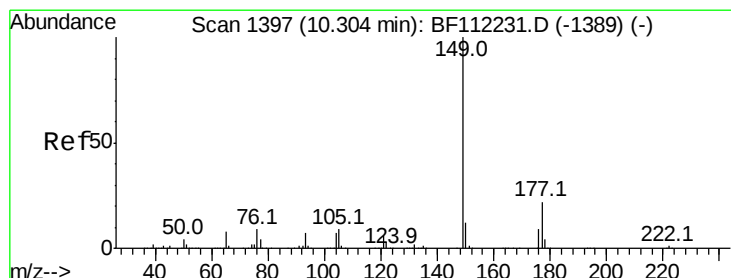
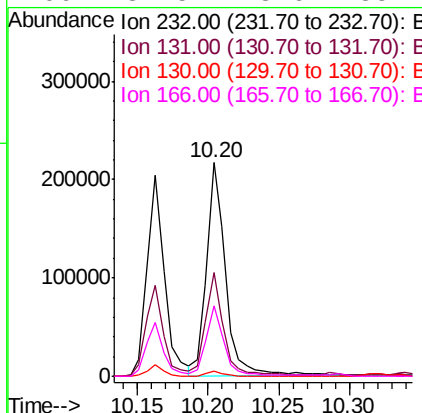
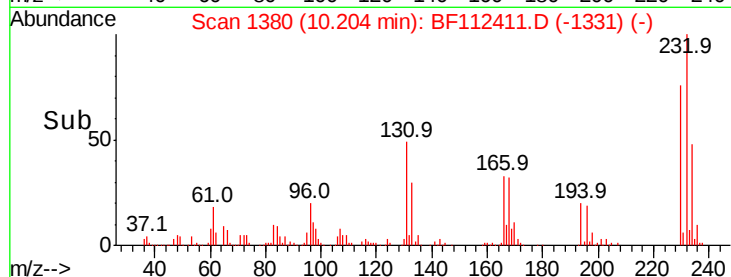
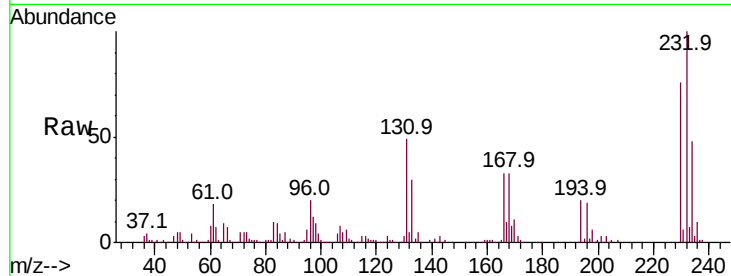
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.328 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	200718		
131	45.9		33.9	50.9
130	2.6		1.8	2.6
166	31.5		23.6	35.4

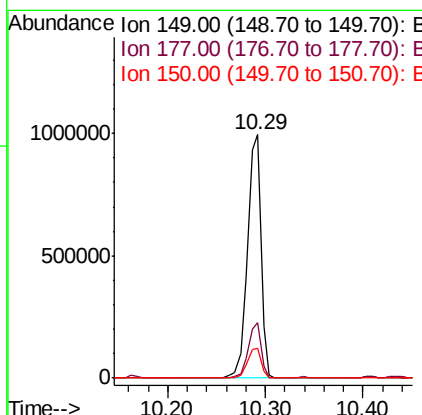
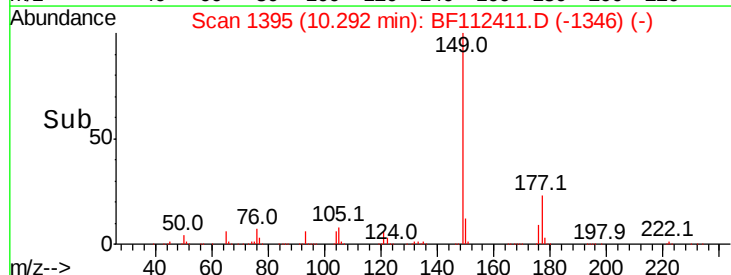
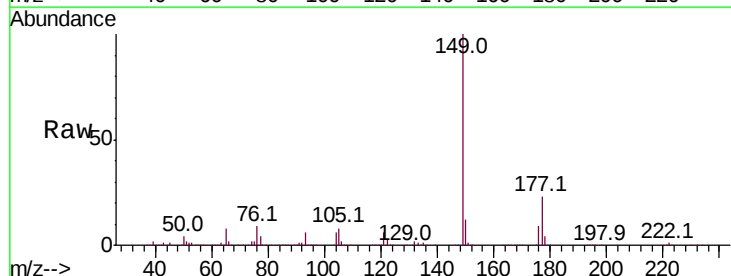
Manual Integrations
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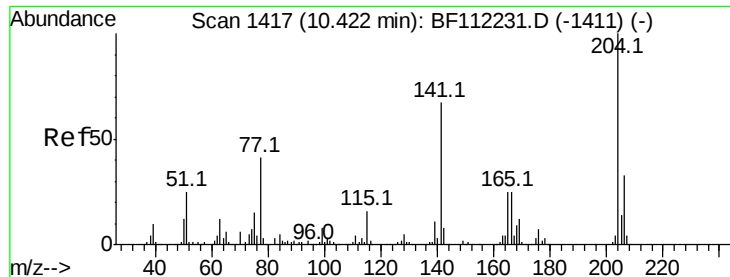
mohammad
2/6/2019 9:16:26 AM



#60
Diethylphthalate
Concen: 47.782 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	957228		
177	22.7		18.2	27.2
150	12.5		10.4	15.6





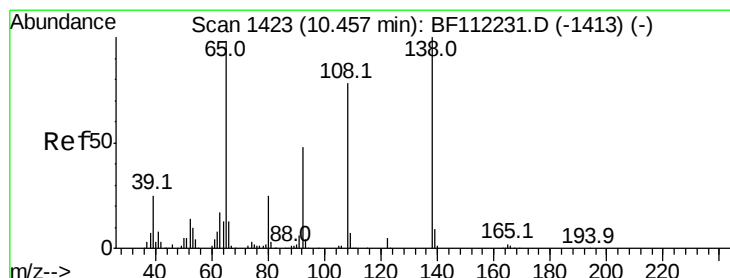
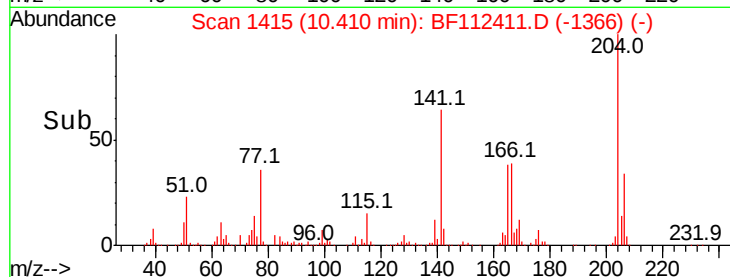
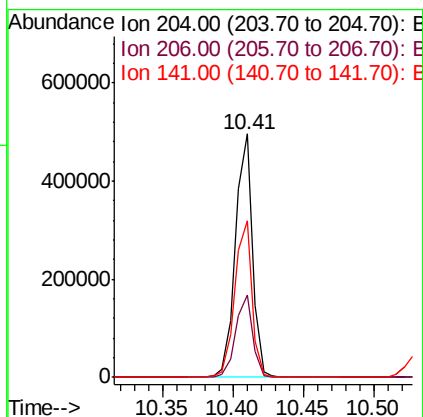
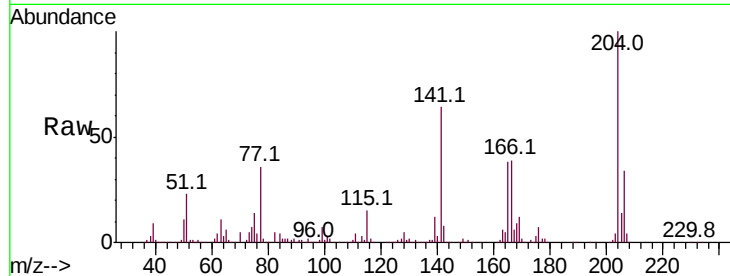
#61
4-Chlorophenyl-phenylether
Concen: 43.508 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.1	26.5	39.7
141	64.4	45.9	68.9

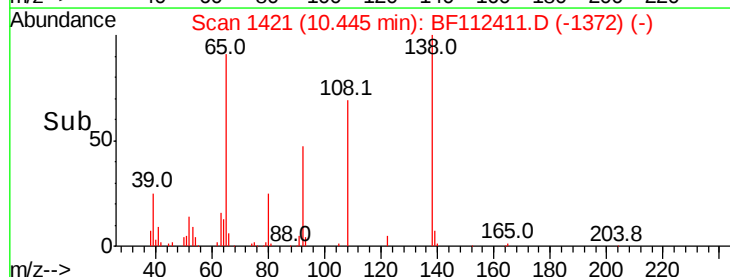
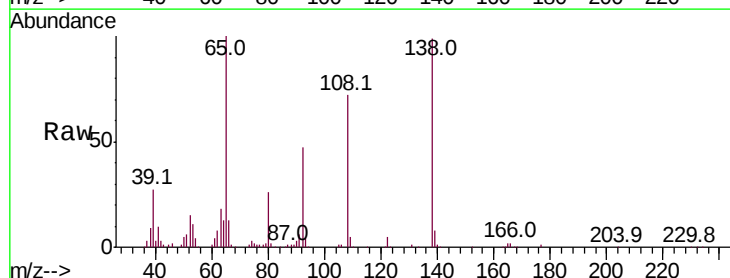
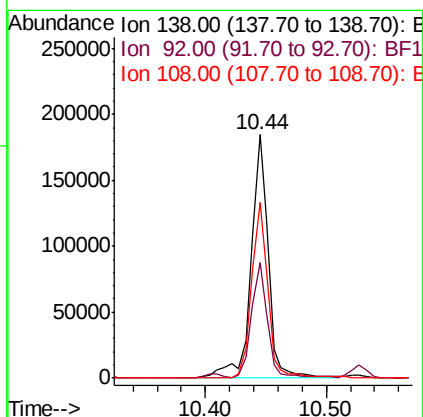
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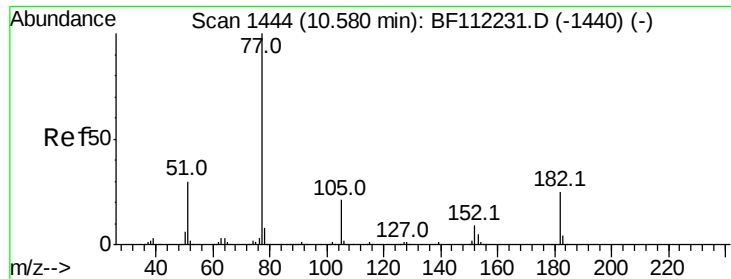
mohammad
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#62
4-Nitroaniline
Concen: 38.535 ng
RT: 10.44 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.5	30.6	70.6
108	72.2	50.0	90.0





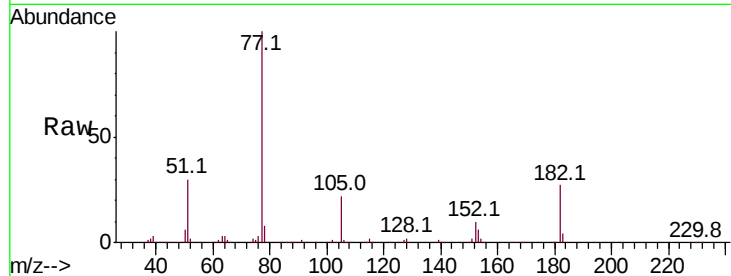
#63
Azobenzene
Concen: 43.371 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

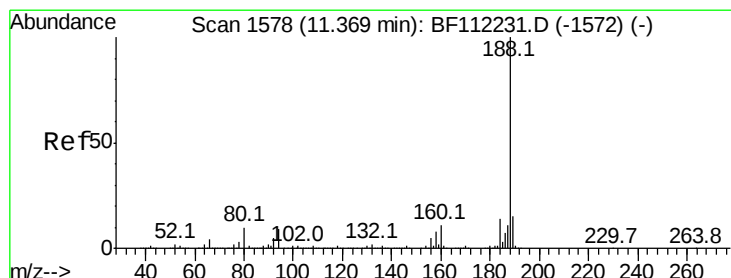
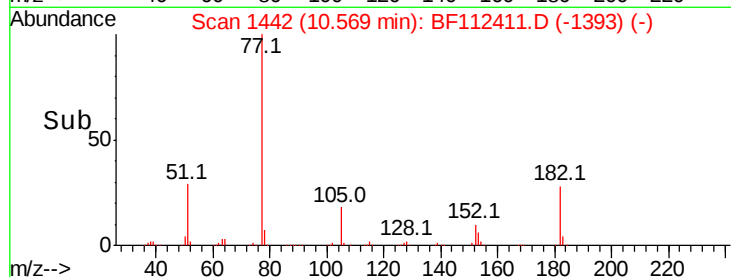
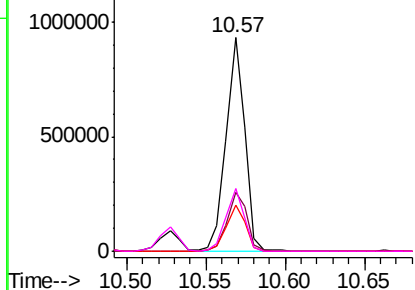
Tot Ion	Ratio	Lower	Upper
77	100		
182	27.3	5.7	45.7
105	21.6	1.4	41.4
51	29.7	9.5	49.5

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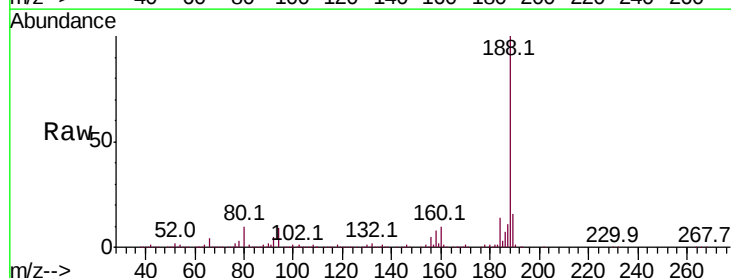


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

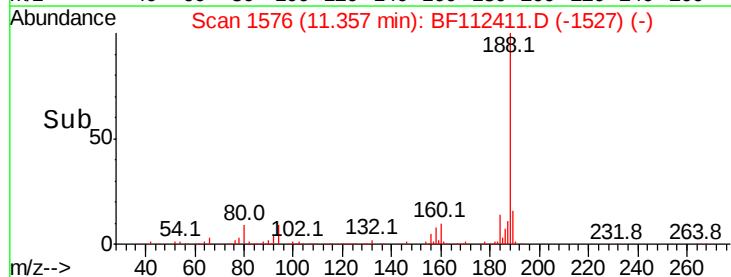
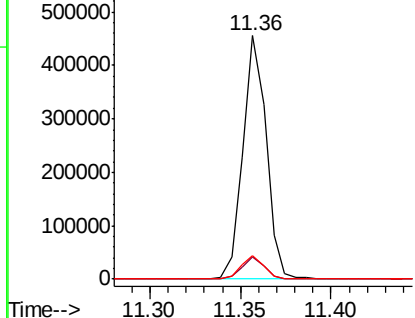


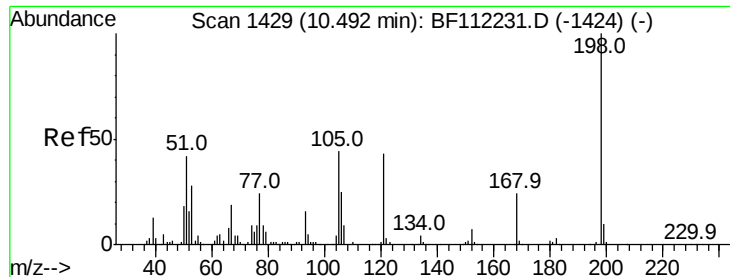
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.2	12.2
80	9.7	8.9	13.3



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





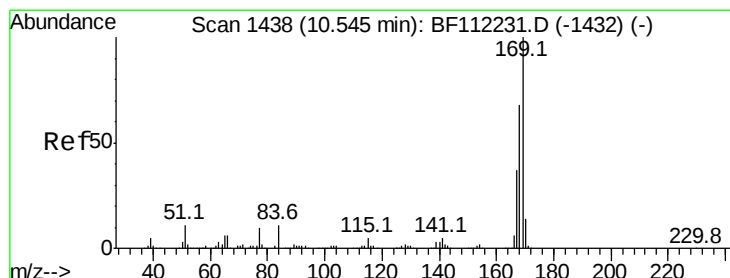
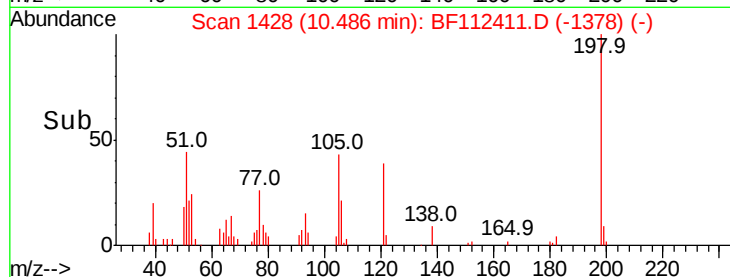
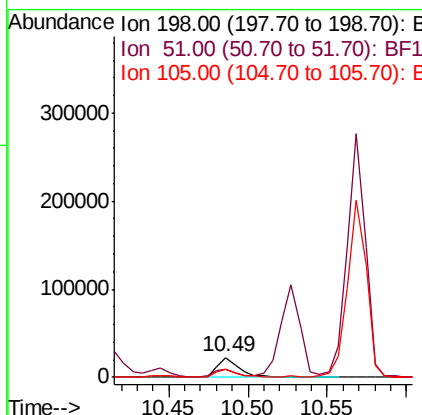
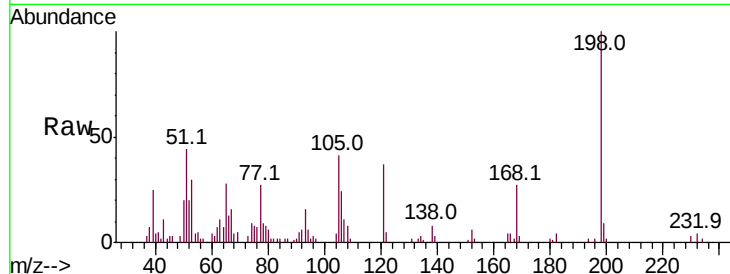
#65
 4,6-Dinitro-2-methylphenol
 Concen: 9.446 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	43.6	17.2	57.2
105	41.3	21.9	61.9

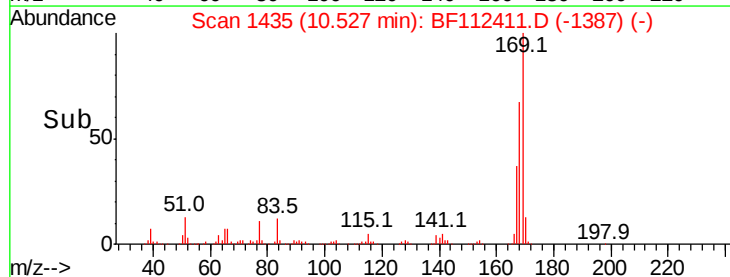
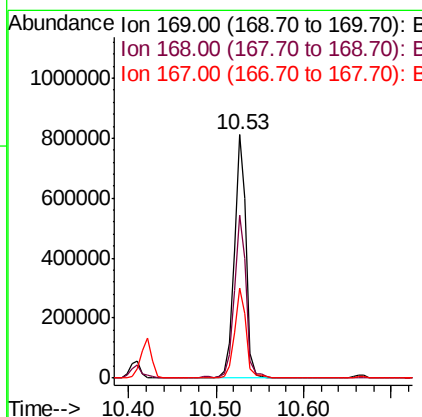
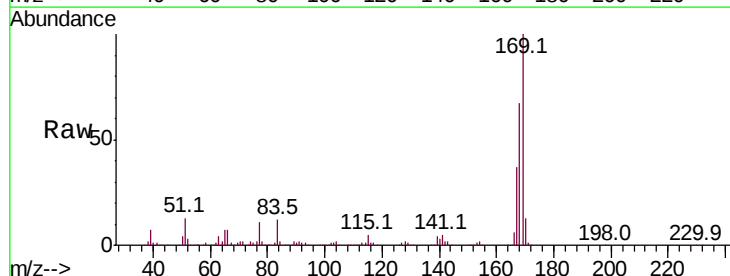
Manual Integrations
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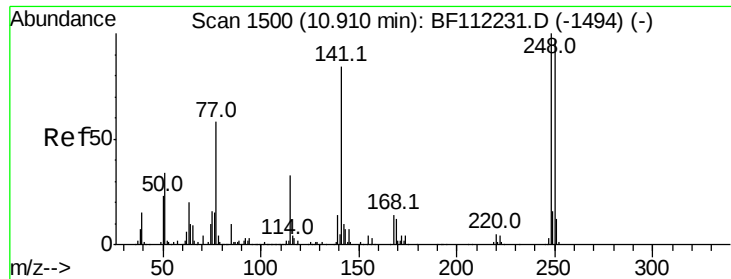
mohammad
 2/6/2019 9:16:26 AM



#66
 n-Nitrosodiphenylamine
 Concen: 53.534 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.9	80.9
167	36.8	28.9	43.3





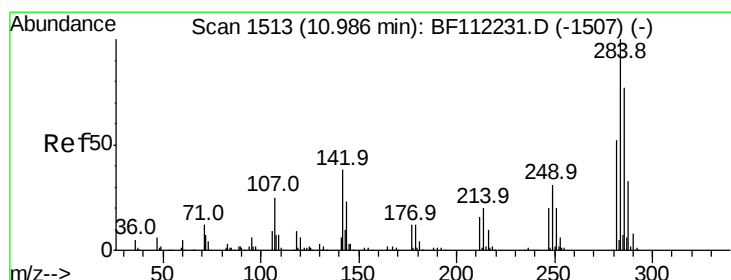
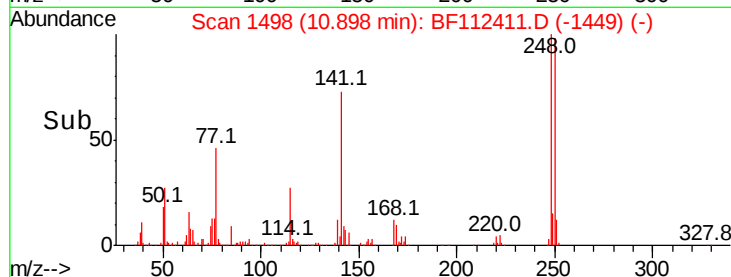
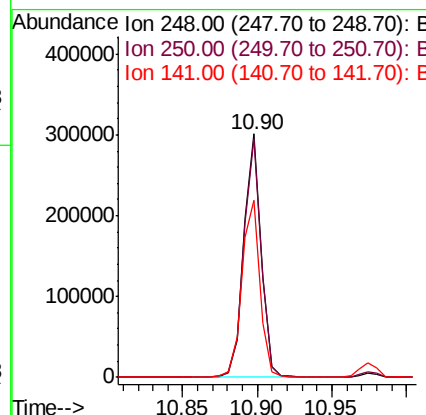
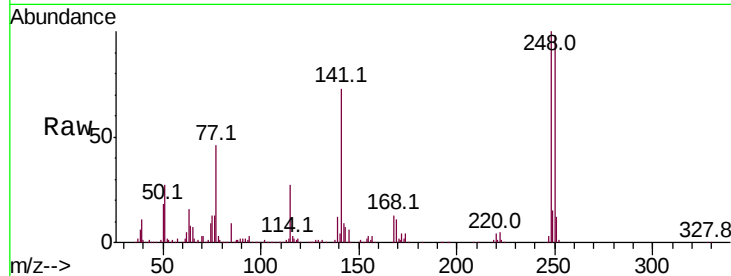
#67
4-Bromophenyl-phenylether
Concen: 50.925 ng
RT: 10.90 min Scan# 1498
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.9	79.7	119.5
141	72.6	60.3	90.5

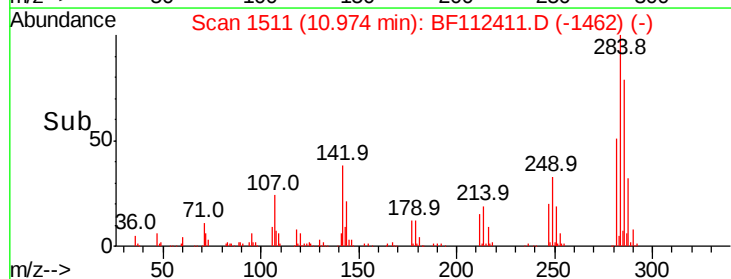
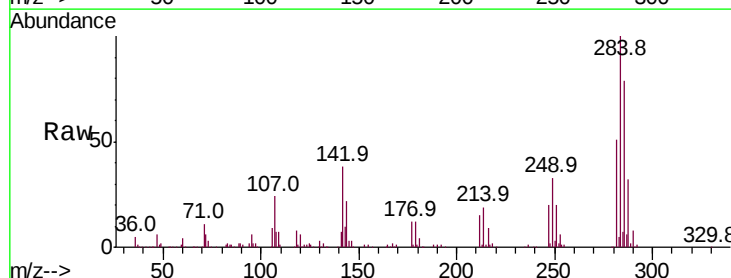
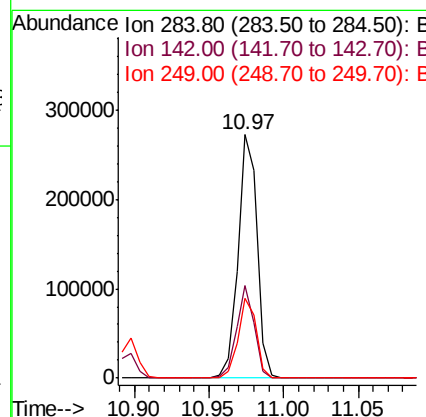
Manual Integrations
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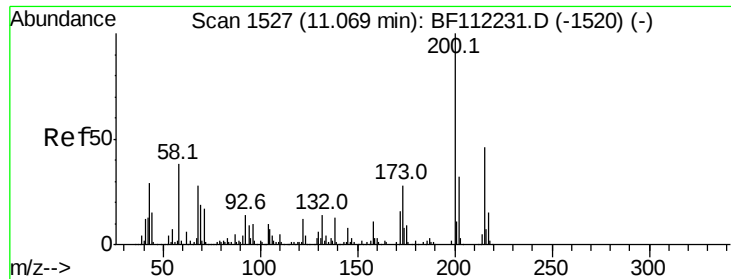
mohammad
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#68
Hexachlorobenzene
Concen: 47.530 ng
RT: 10.97 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.1	27.6	41.4
249	32.6	24.1	36.1





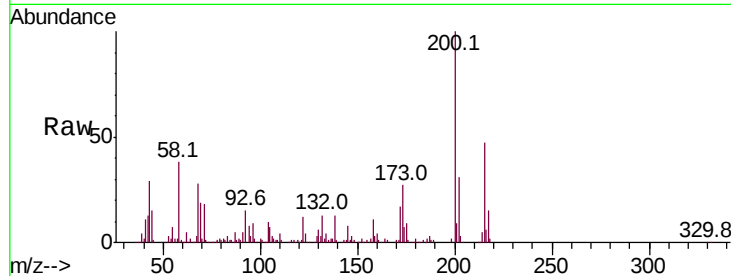
#69
Atrazine
Concen: 53.089 ng
RT: 11.06 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	236934		
173	26.9	7.1	47.1	
215	46.5	30.4	70.4	

Manual Integrations
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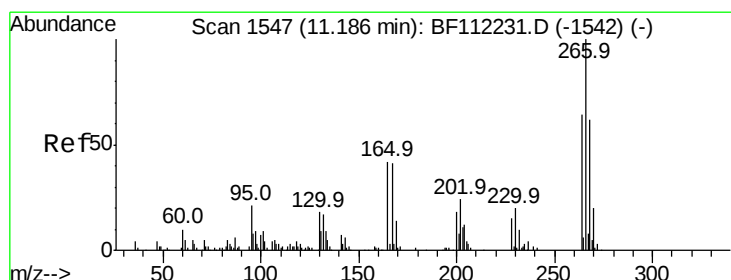
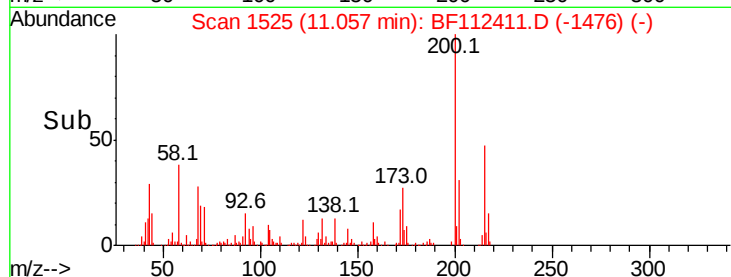
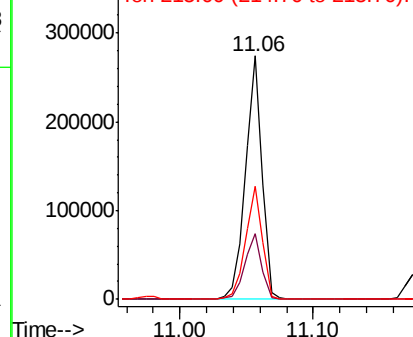


Abundance

Ion 200.00 (199.70 to 200.70): E

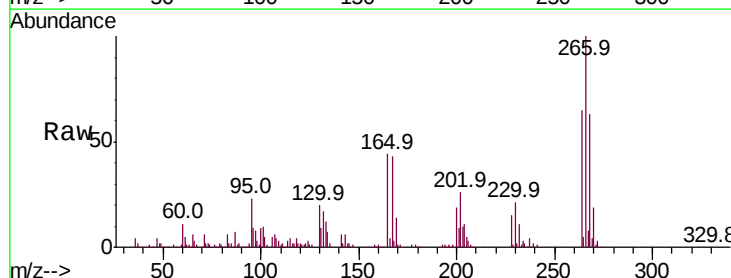
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 85.703 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	172691		
268	63.4	51.2	76.8	
264	65.0	50.9	76.3	

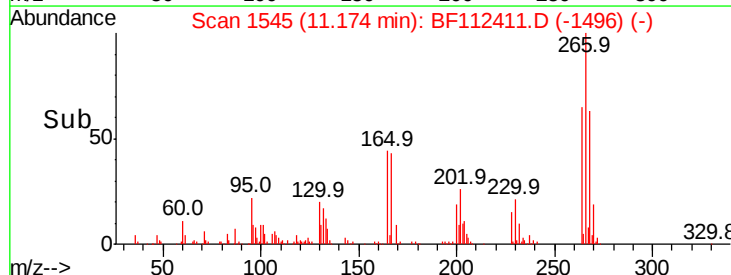
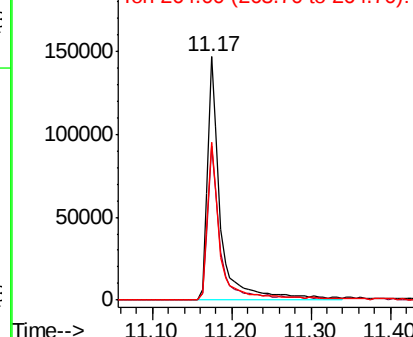


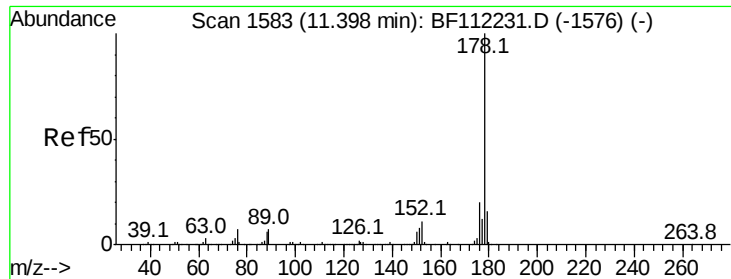
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





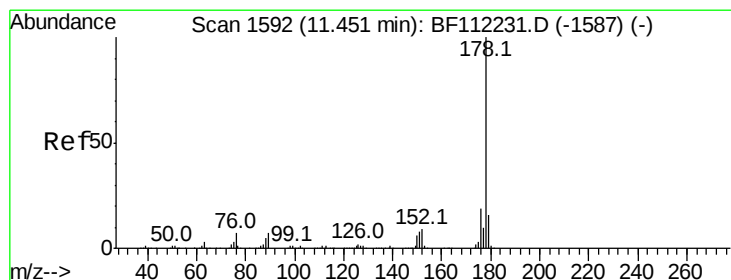
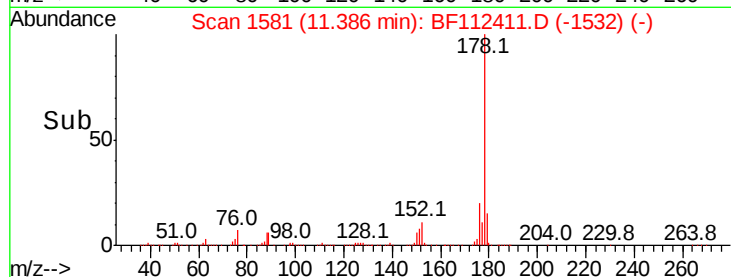
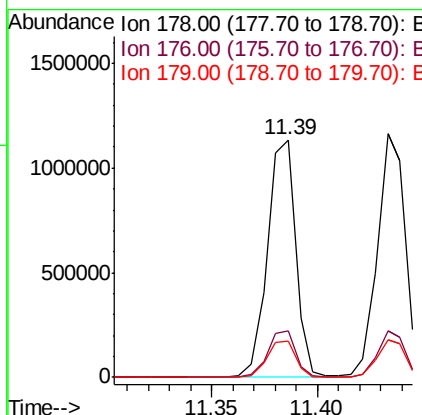
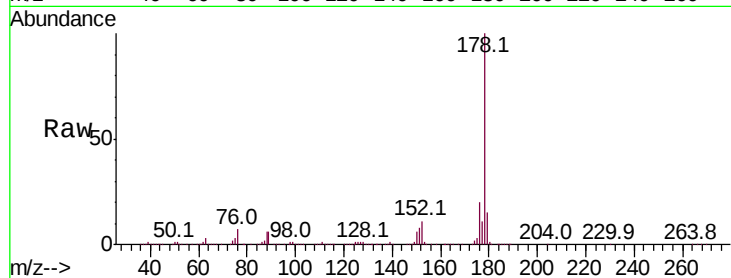
#71
Phenanthrene
Concen: 49.858 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.2	13.0	19.4

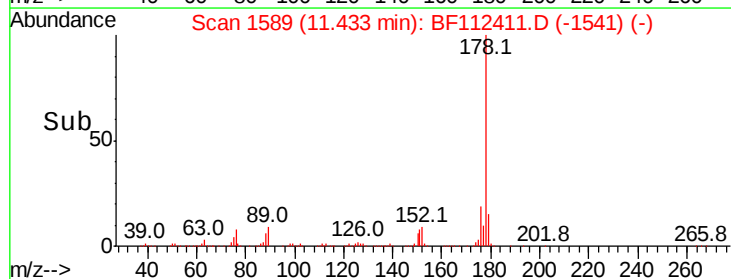
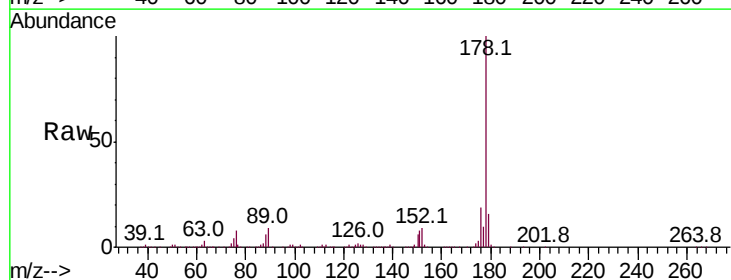
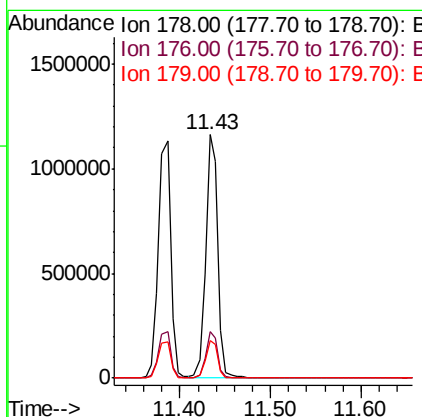
Manual Integrations
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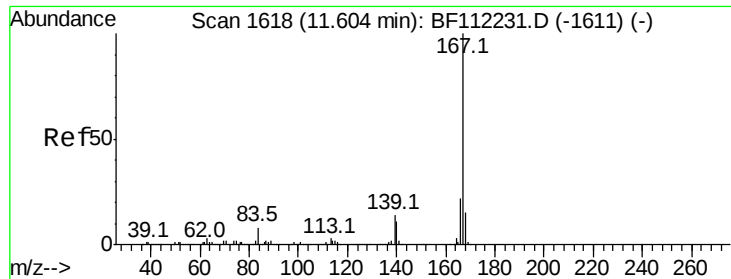
mohammad
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#72
Anthracene
Concen: 51.604 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.5	12.8	19.2





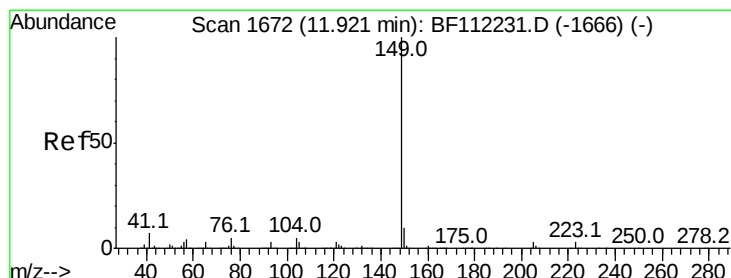
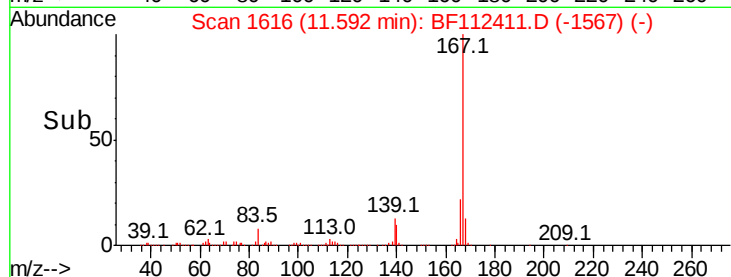
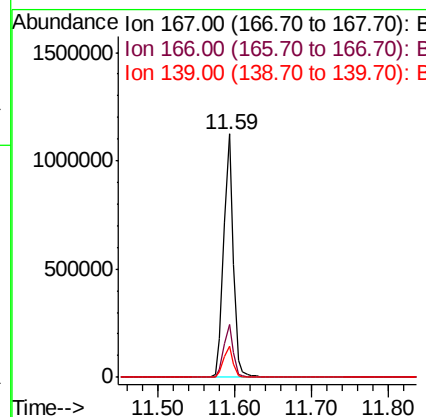
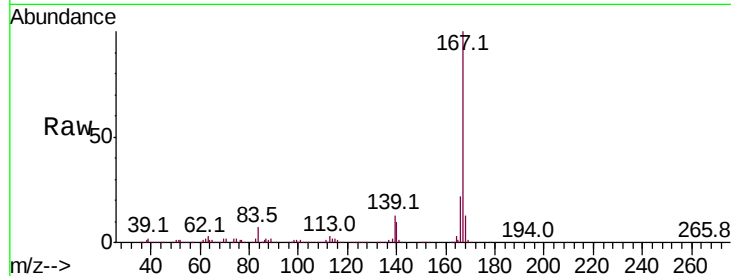
#73
 Carbazole
 Concen: 45.892 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.9	26.9
139	13.0	10.2	15.2

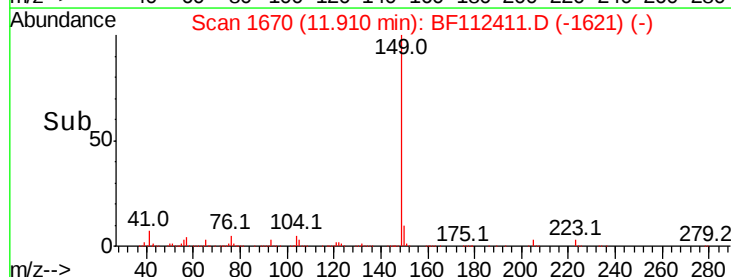
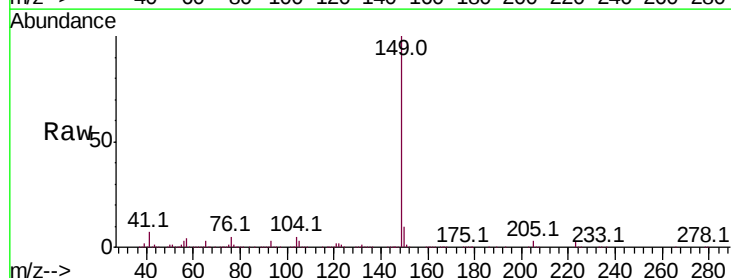
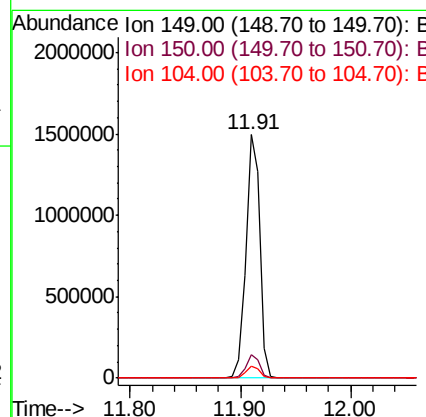
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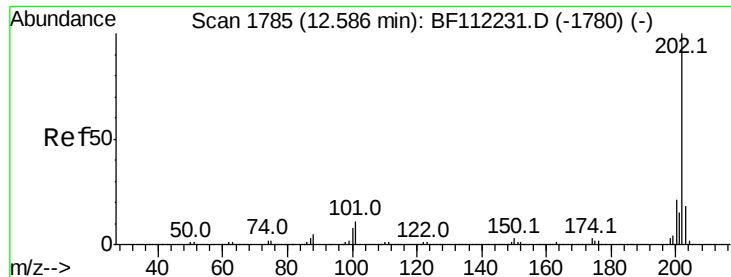
mohammad
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#74
 Di-n-butylphthalate
 Concen: 50.575 ng
 RT: 11.91 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	8.1	12.1
104	5.1	3.9	5.9





#75

Fluoranthene

Concen: 44.673 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

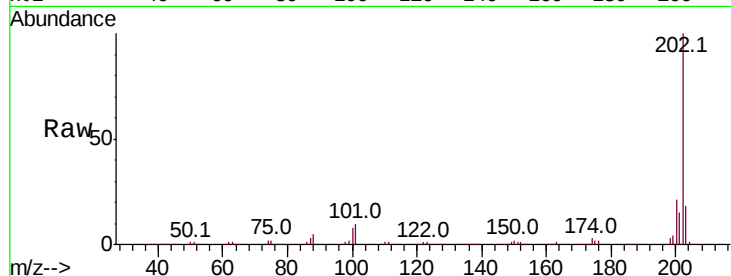
ClientSampleId :

HR-05-020419-AMSD

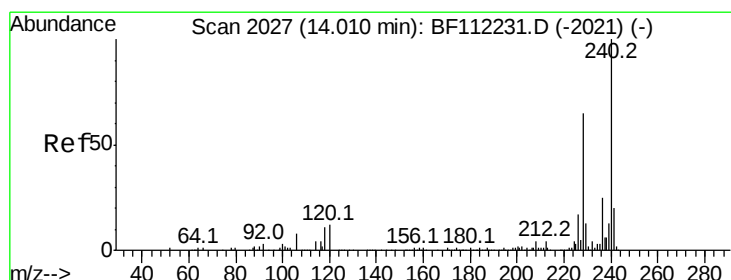
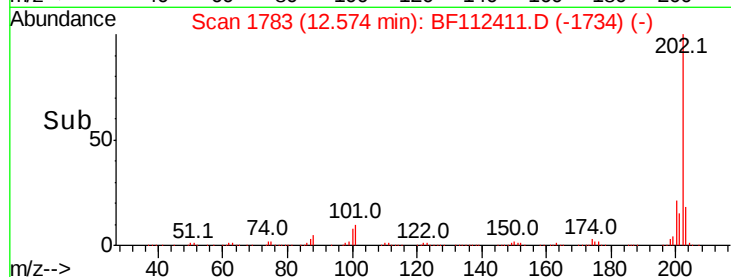
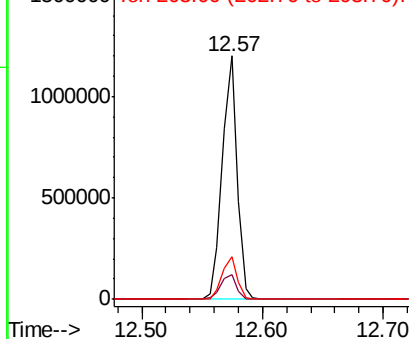
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.8
203	17.7	0.0	38.4

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

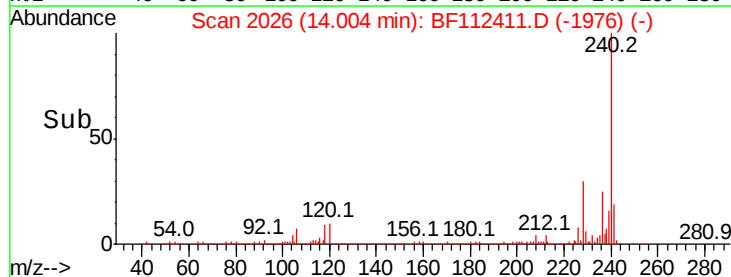
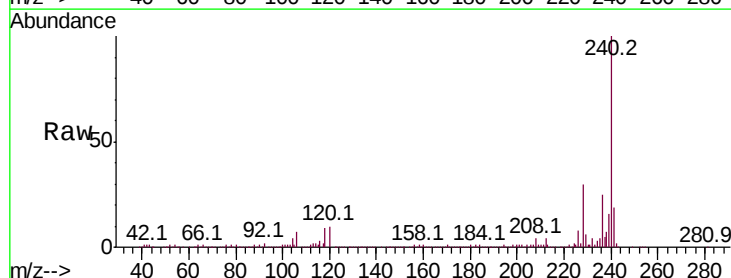
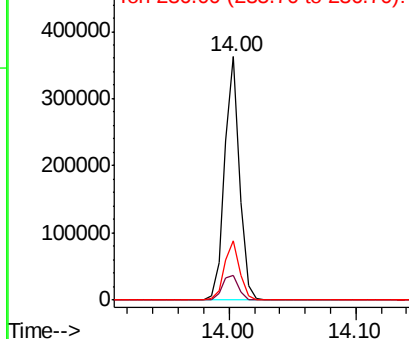
Delta R.T. -0.01 min

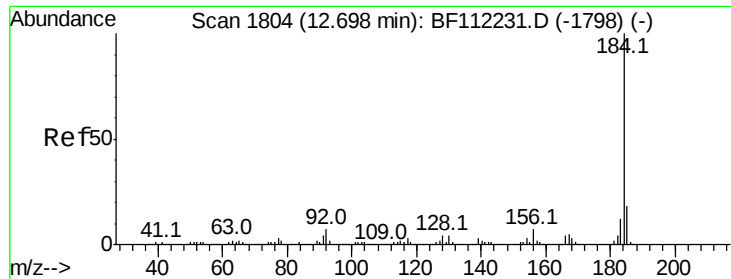
Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.0	13.6
236	24.6	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 38.743 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

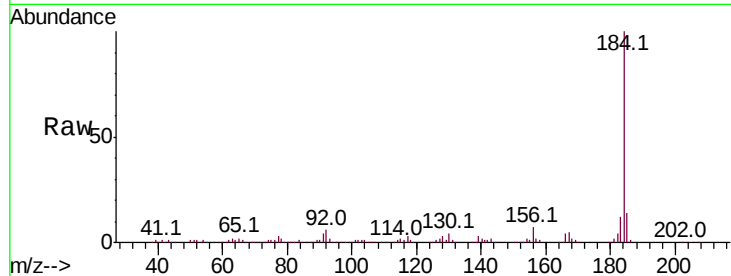
ClientSampleId :

HR-05-020419-AMSD

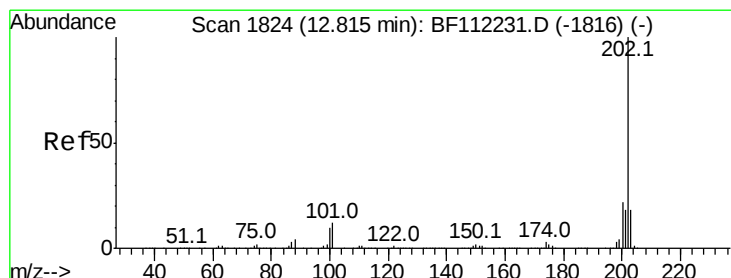
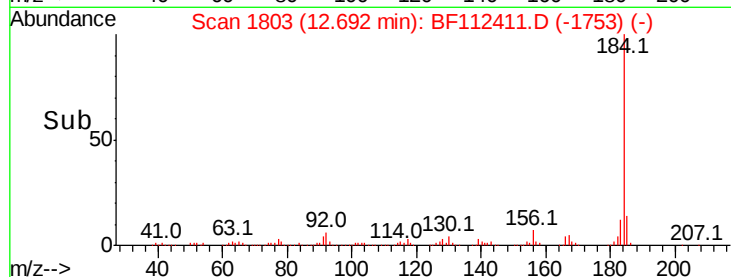
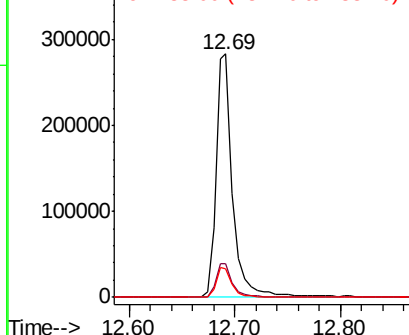
Tot Ion	Ratio	Lower	Upper
184	100		
185	13.7	13.9	20.9#
183	11.9	10.0	15.0

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 49.567 ng

RT: 12.80 min Scan# 1822

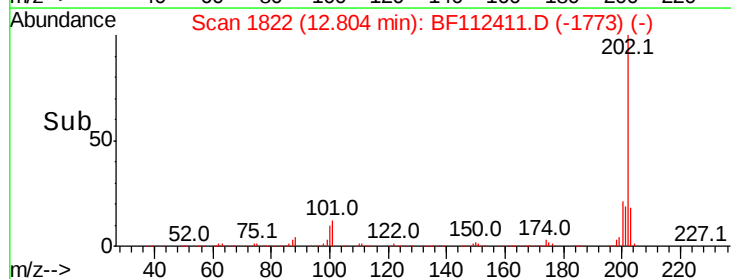
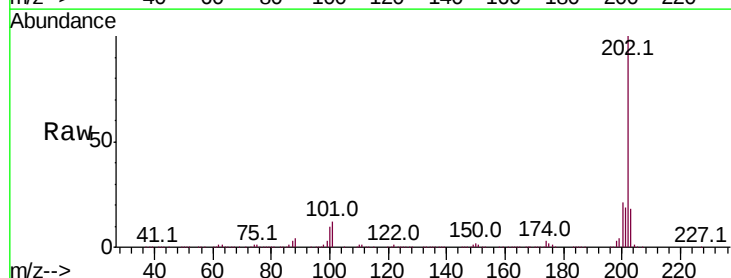
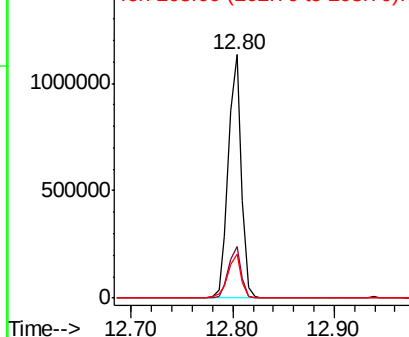
Delta R.T. -0.01 min

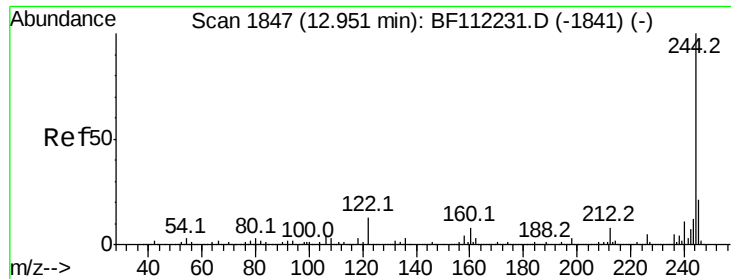
Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.7	26.5
203	18.0	14.6	22.0

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





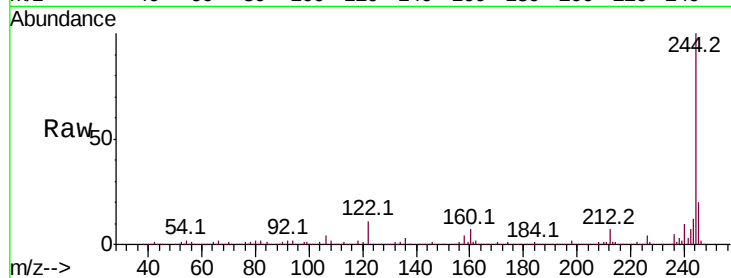
#79
 Terphenyl-d14
 Concen: 91.199 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

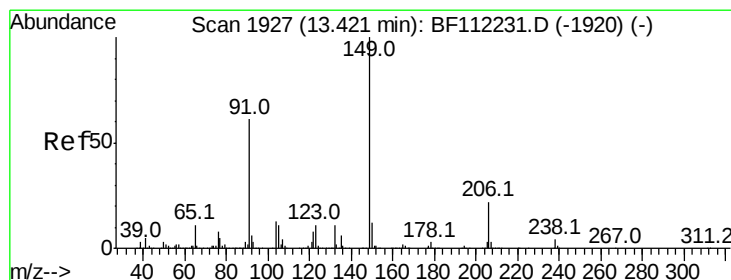
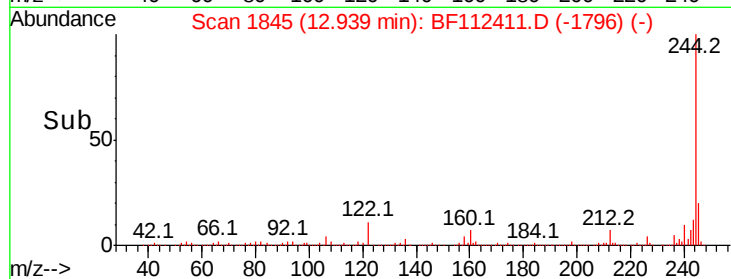
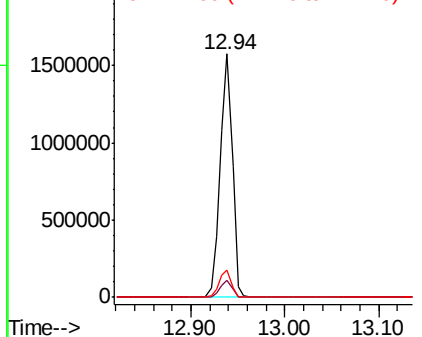
Tot Ion:244 Resp: 1434243
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 11.3 9.8 14.6

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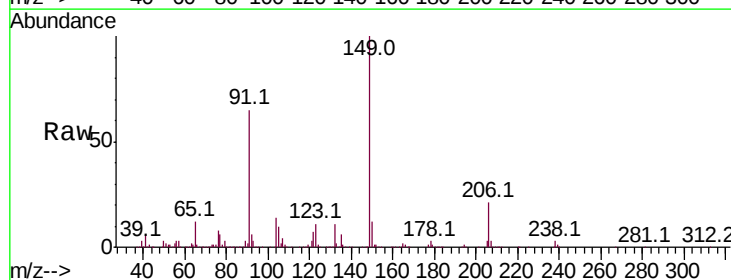


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

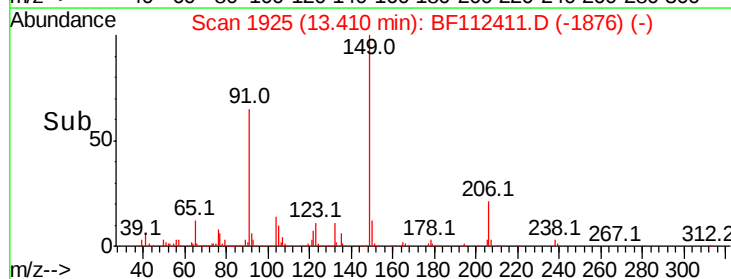
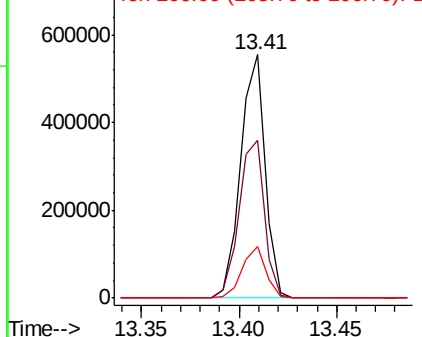


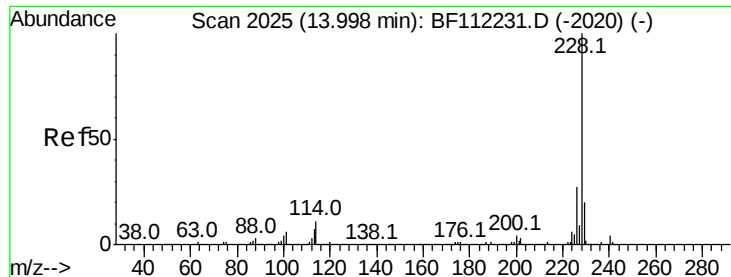
#80
 Butylbenzylphthalate
 Concen: 48.771 ng
 RT: 13.41 min Scan# 1925
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion:149 Resp: 483896
 Ion Ratio Lower Upper
 149 100
 91 64.6 50.3 75.5
 206 21.4 18.2 27.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF1
 Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.954 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

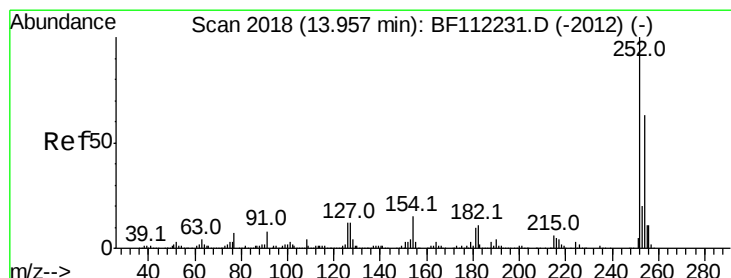
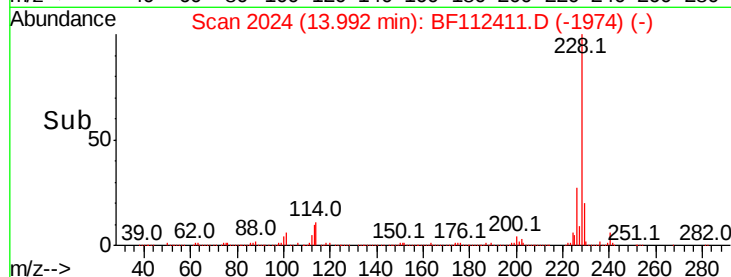
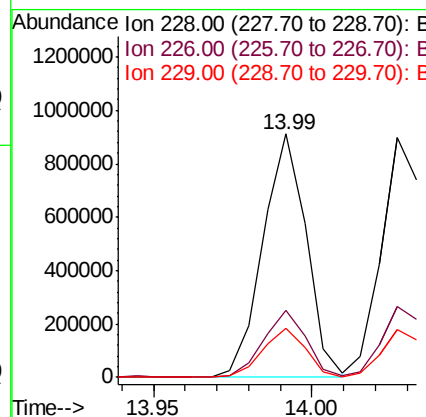
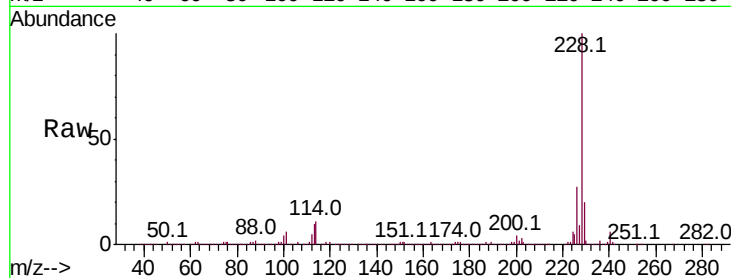
ClientSampleId :

HR-05-020419-AMSD

Tot Ion:	228	Resp:	869809
Ion Ratio	Lower	Upper	
228	100		
226	27.3	22.6	34.0
229	20.4	16.5	24.7

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#82

3,3'-Dichlorobenzidine

Concen: 33.605 ng

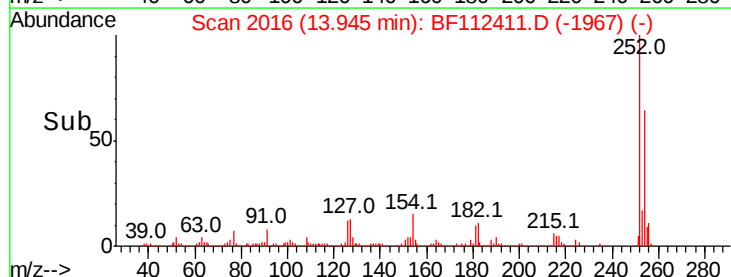
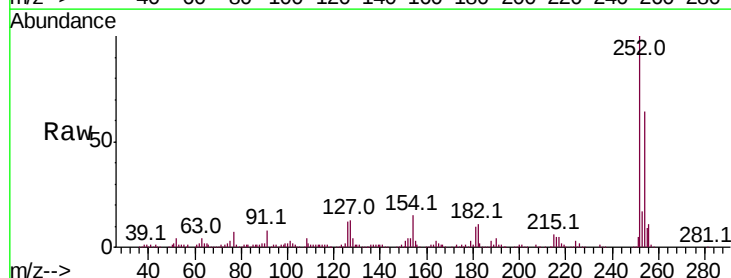
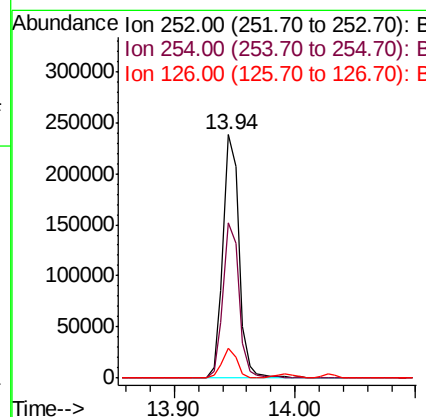
RT: 13.94 min Scan# 2016

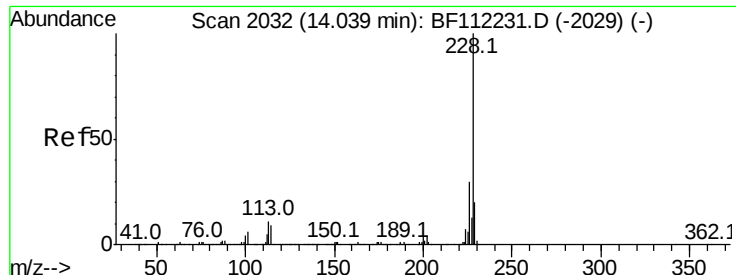
Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Tgt Ion:	252	Resp:	218984
Ion Ratio	Lower	Upper	
252	100		
254	63.9	51.6	77.4
126	12.3	8.6	12.8





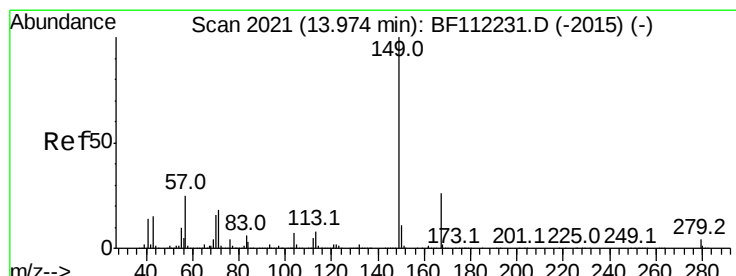
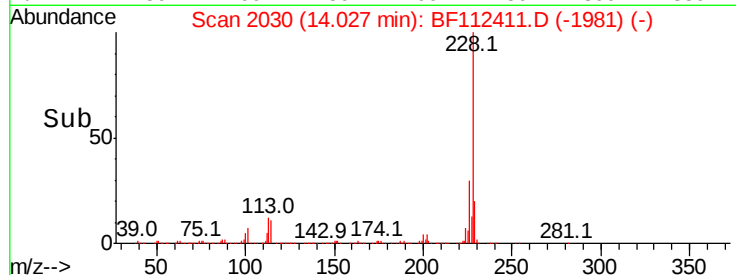
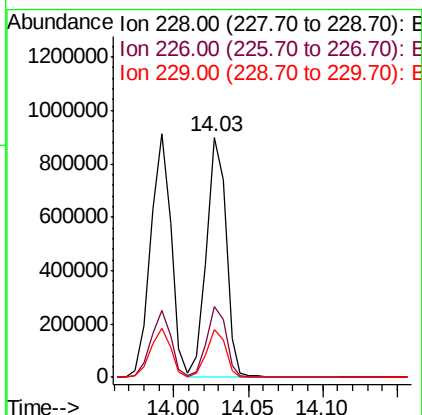
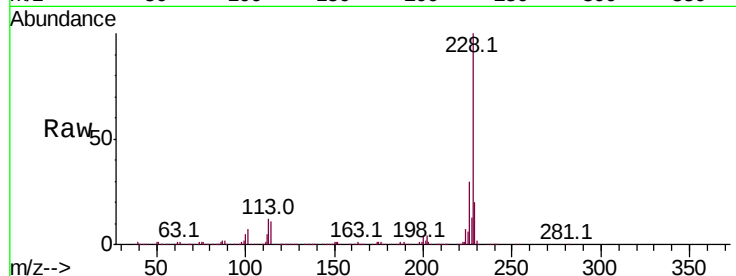
#83
Chrysene
Concen: 49.271 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	20.1	16.6	24.8

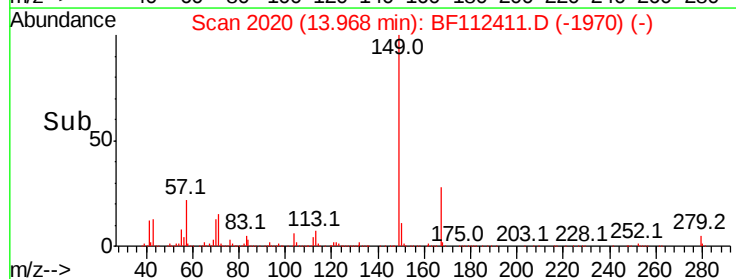
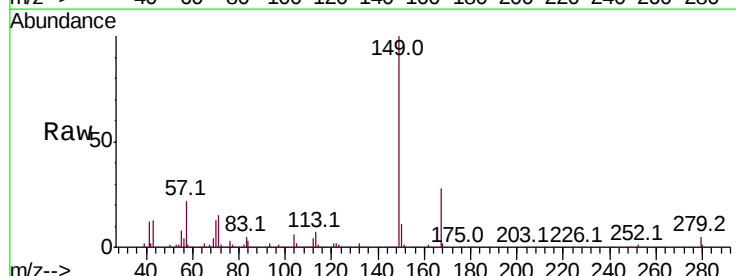
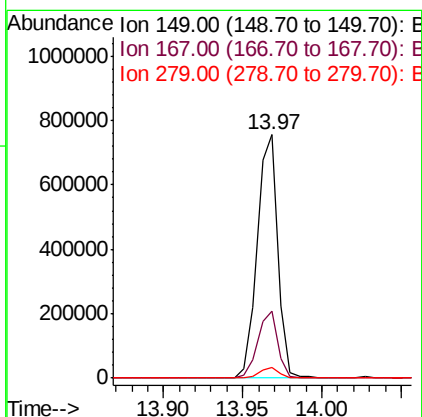
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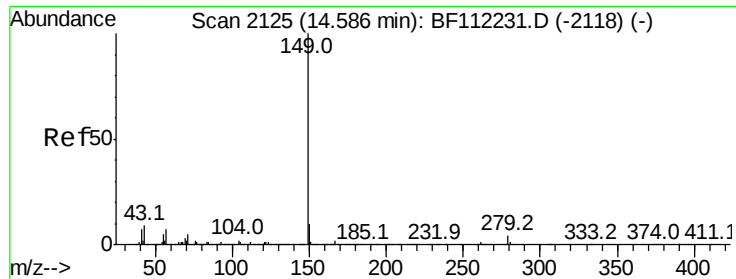
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#84
Bis(2-ethylhexyl)phthalate
Concen: 48.661 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.5	33.7
279	4.6	3.8	5.6





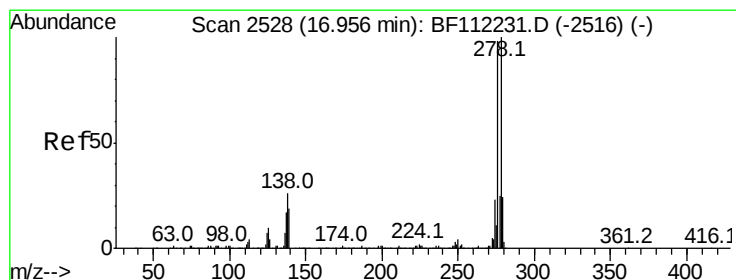
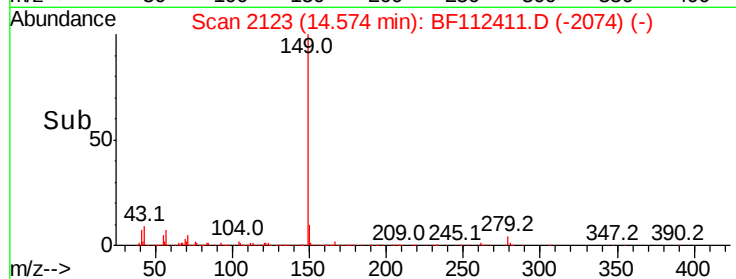
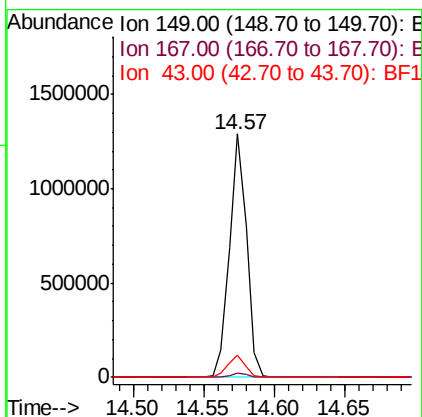
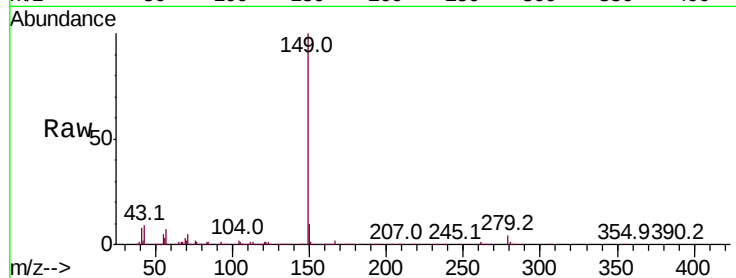
#85
Di-n-octyl phthalate
Concen: 50.337 ng
RT: 14.57 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	8.7	7.8	11.6

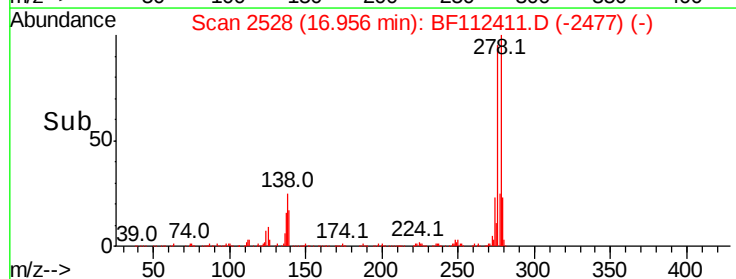
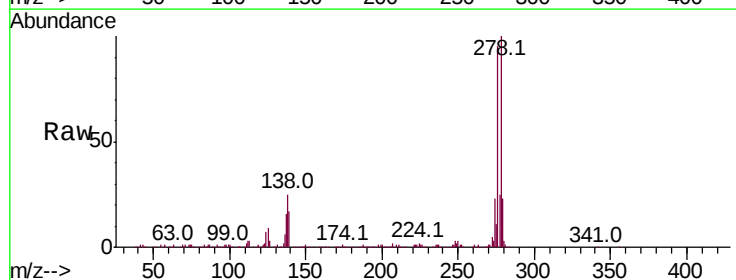
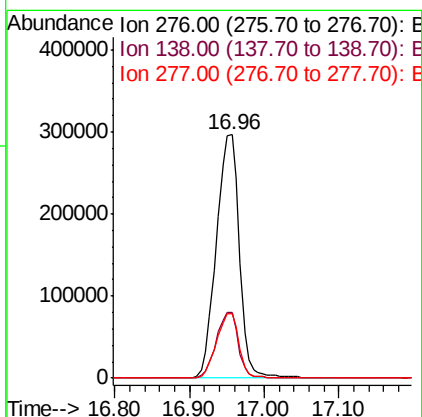
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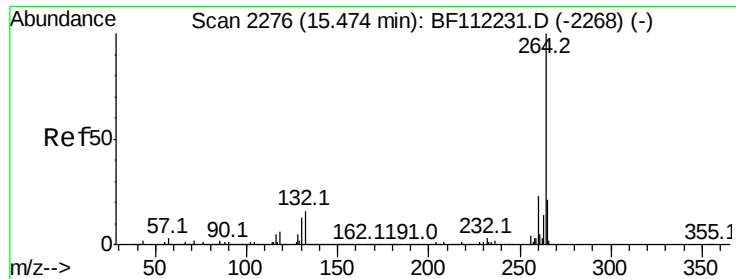
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#86
Indeno(1,2,3-cd)pyrene
Concen: 48.562 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.00 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.1	22.6	34.0
277	25.8	20.3	30.5





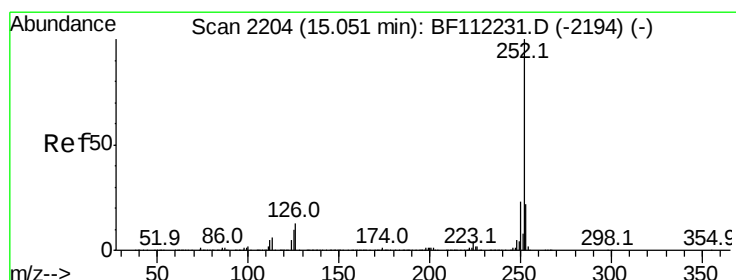
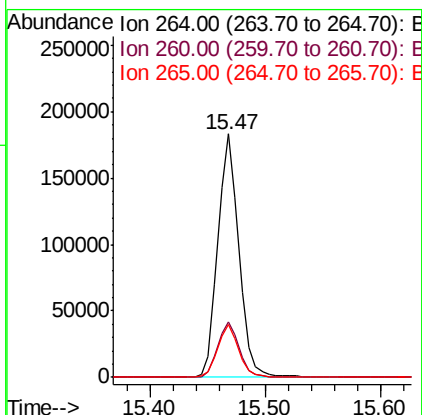
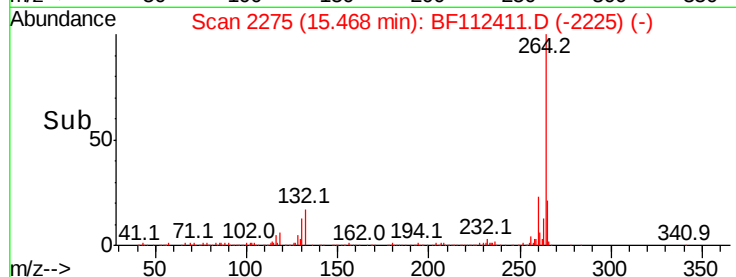
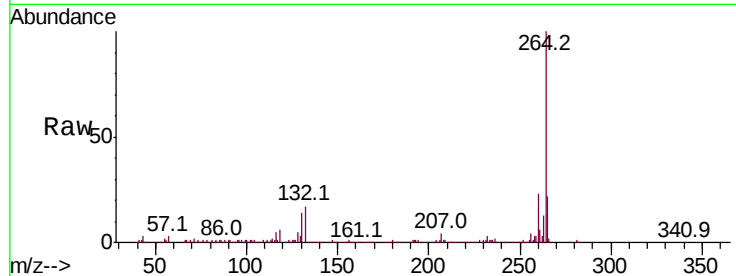
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.2
265	21.5	17.0	25.4

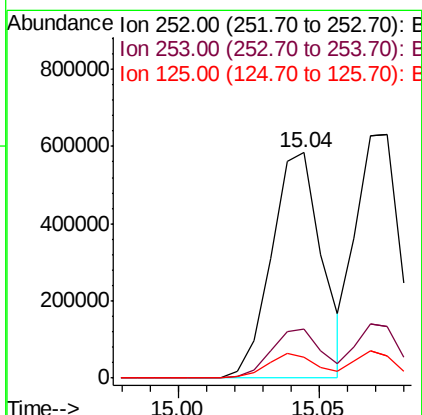
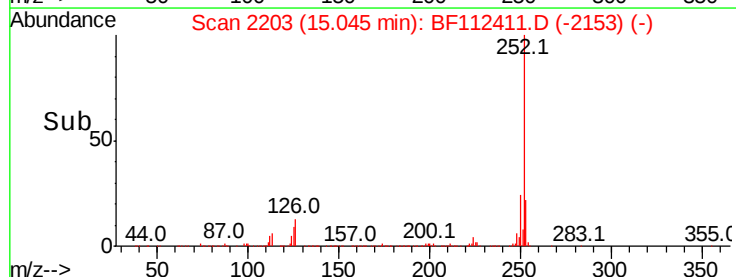
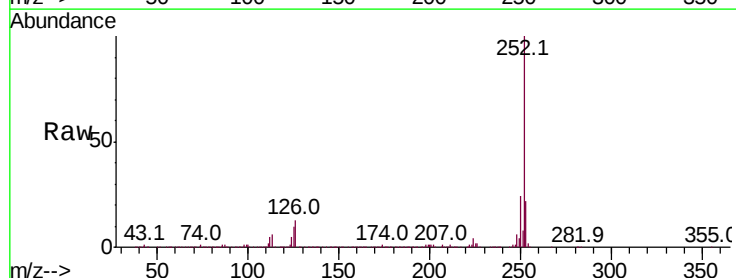
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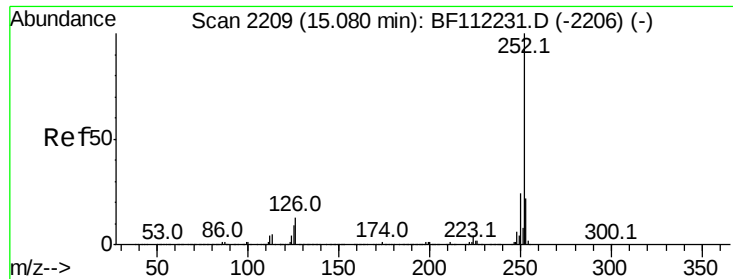
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#88
Benzo(b)fluoranthene
Concen: 52.208 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	9.5	8.7	13.1





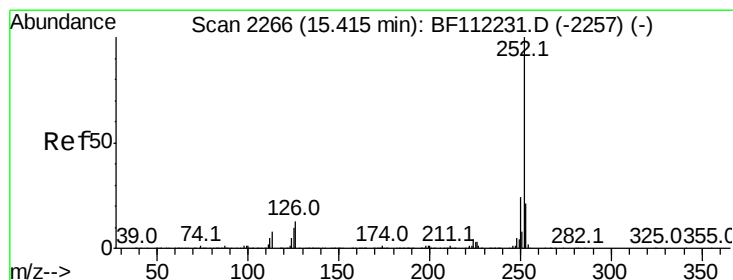
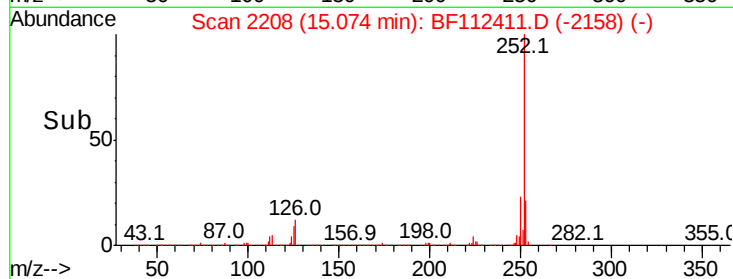
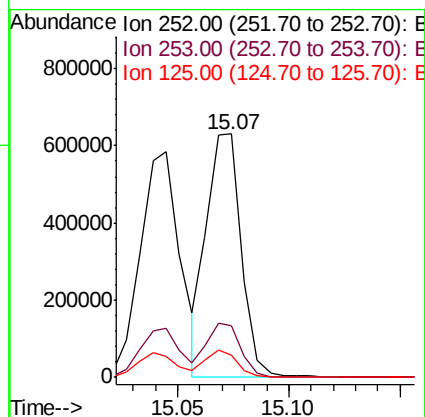
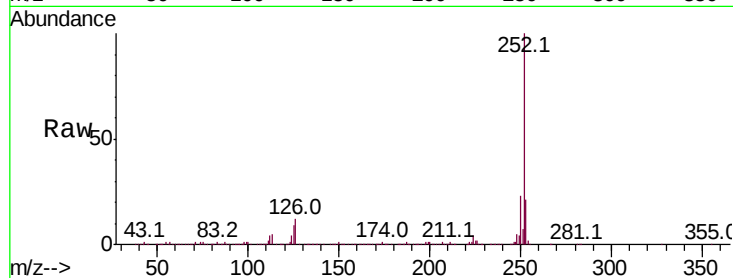
#89
Benzo(k)fluoranthene
Concen: 51.428 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	8.9	9.1	13.7

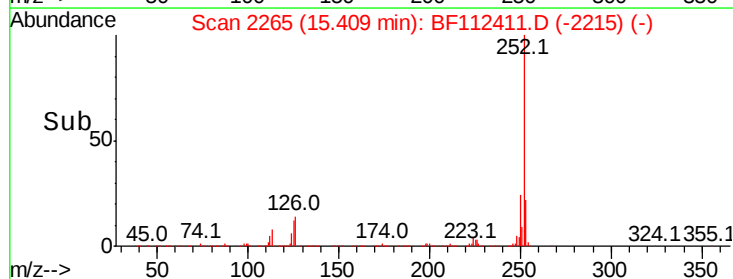
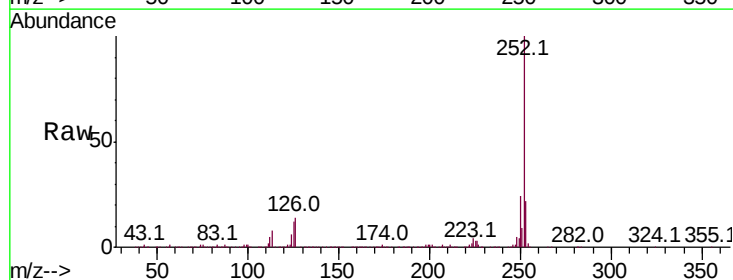
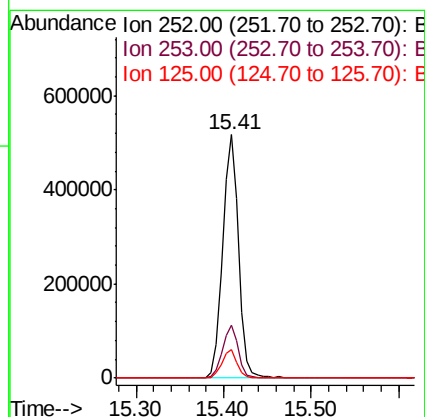
Manual Integrations
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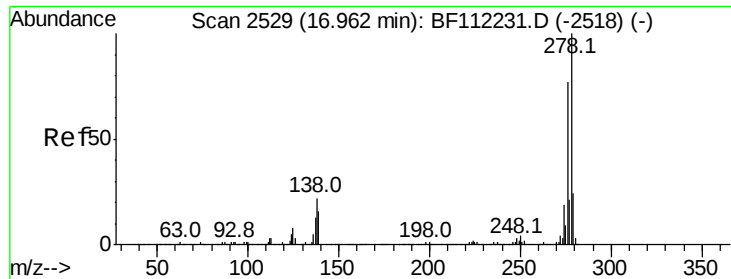
mohammad
2/6/2019 9:16:26 AM



#90
Benzo(a)pyrene
Concen: 51.816 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	11.6	9.0	13.4





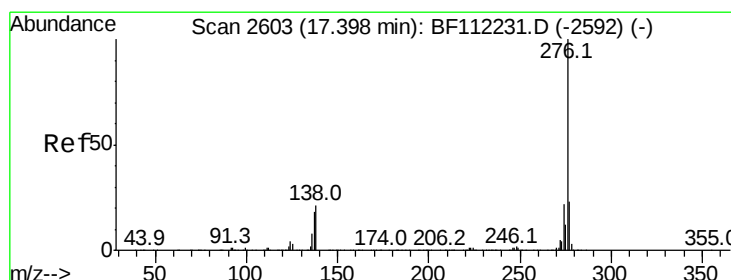
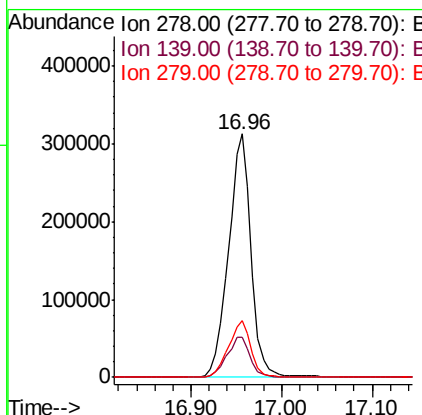
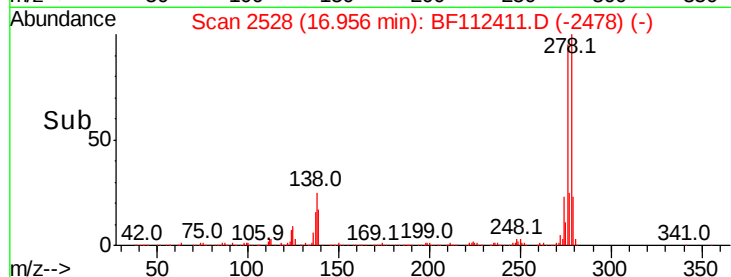
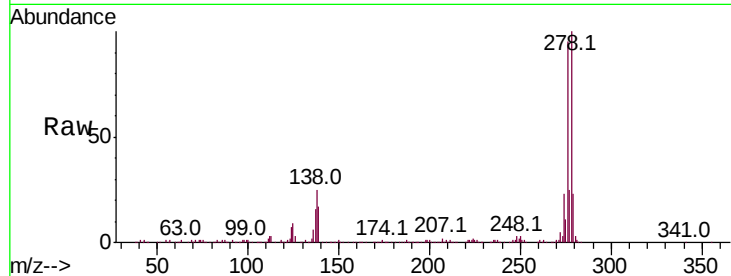
#91
Dibenzo(a,h)anthracene
Concen: 53.732 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.7	20.5
279	23.3	19.0	28.6

Manual Integrations
APPROVED

mohammad
2/6/2019 9:16:26 AM



#92
Benzo(g,h,i)perylene
Concen: 54.449 ng
RT: 17.40 min Scan# 2603
Delta R.T. -0.00 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.4	29.0
138	21.7	19.1	28.7

