

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072721\
 Data File : BF124812.D
 Acq On : 28 Jul 2021 1:25
 Operator : JU/CG
 Sample : M3199-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072621

Quant Time: Jul 28 03:08:51 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 15:28:57 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

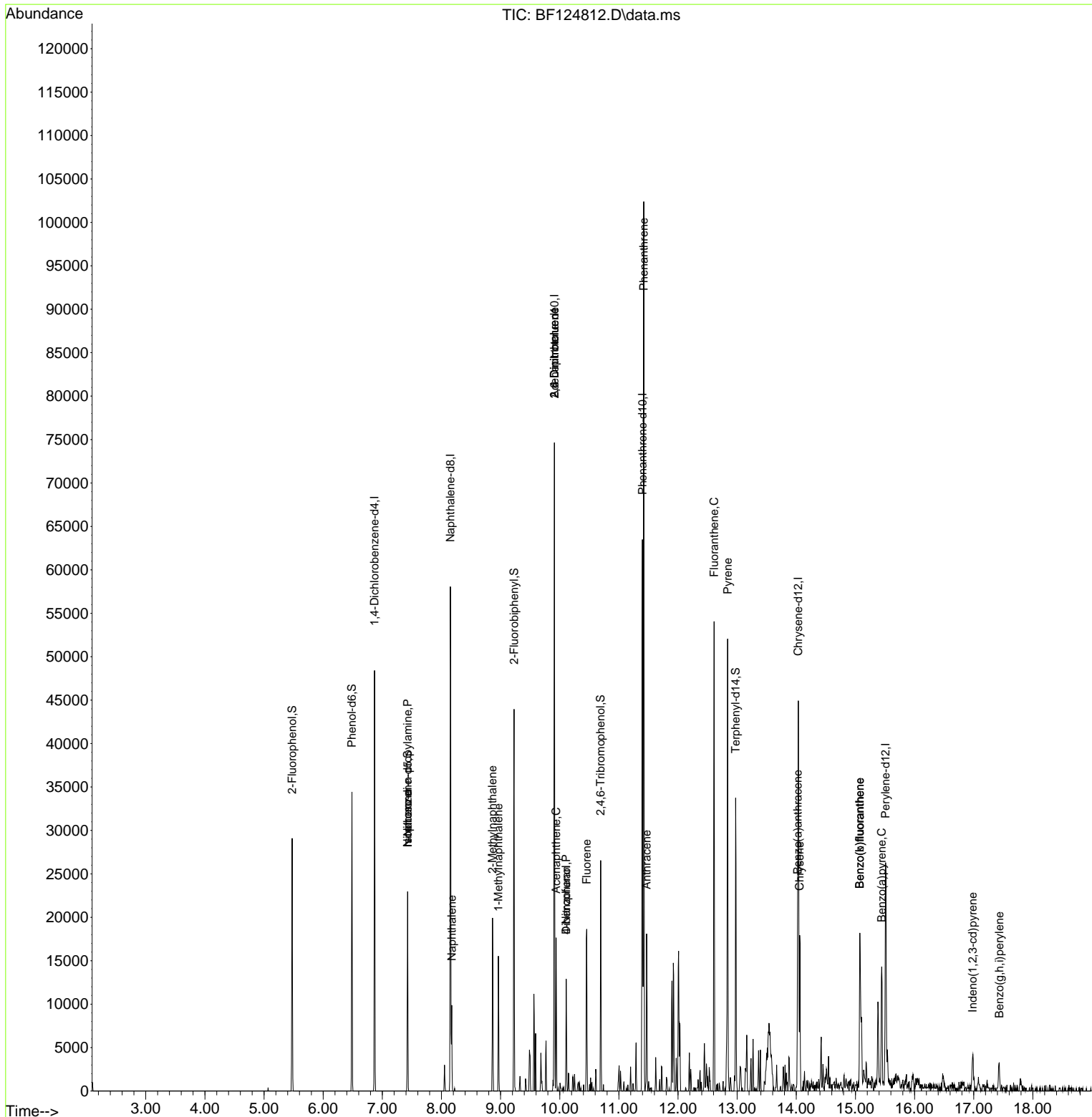
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	6591	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	24632	20.00	ng	# 0.00
39) Acenaphthene-d10	9.910	164	13992	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	23635	20.00	ng	0.00
76) Chrysene-d12	14.033	240	13950	20.00	ng	0.00
86) Perylene-d12	15.509	264	13498	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	7510	19.29	ng	0.00
7) Phenol-d6	6.487	99	9213	18.88	ng	-0.01
23) Nitrobenzene-d5	7.428	82	6079	14.69	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	2573	21.42	ng	-0.01
45) 2-Fluorobiphenyl	9.227	172	13462	14.13	ng	0.00
79) Terphenyl-d14	12.974	244	12423	15.27	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	751	2.88	ng	# 69
25) Isophorone	7.428	82	6079	8.31	ng	# 59
31) Naphthalene	8.175	128	4421	3.44	ng	96
37) 2-Methylnaphthalene	8.863	142	5557	6.47	ng	97
38) 1-Methylnaphthalene	8.963	142	4182	5.14	ng	98
51) 2,6-Dinitrotoluene	9.910	165	1814	8.52	ng	# 26
52) Acenaphthene	9.939	154	3432	4.06	ng	96
55) Dibenzofuran	10.110	168	4695	3.89	ng	# 84
56) 4-Nitrophenol	10.110	139	1631	9.22	ng	# 10
57) 2,4-Dinitrotoluene	9.910	165	1814	6.28	ng	# 18
58) Fluorene	10.457	166	6069	6.55	ng	98
71) Phenanthrene	11.421	178	33354	26.24	ng	98
72) Anthracene	11.469	178	7768	6.11	ng	98
75) Fluoranthene	12.610	202	20119	15.51	ng	97
78) Pyrene	12.839	202	20334	18.41	ng	100
81) Benzo(a)anthracene	14.021	228	8953	9.82	ng	96
83) Chrysene	14.057	228	8236	9.38	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	3634	4.66	ng	# 83
88) Benzo(b)fluoranthene	15.074	252	14661	15.43	ng	98
89) Benzo(k)fluoranthene	15.074	252	14661	16.88	ng	# 94
90) Benzo(a)pyrene	15.445	252	7965	10.03	ng	94
92) Benzo(g,h,i)perylene	17.433	276	3111	4.81	ng	# 92

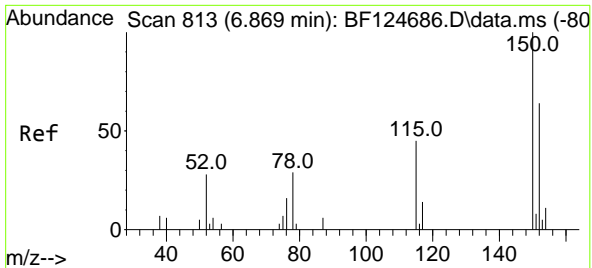
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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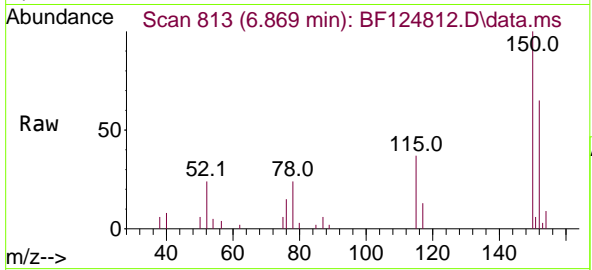
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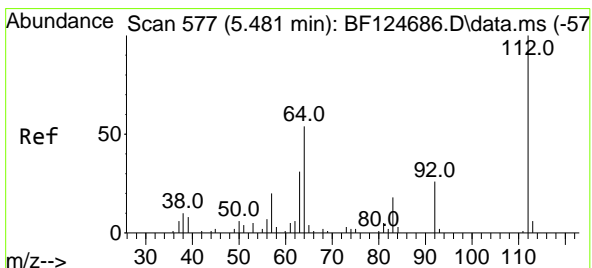
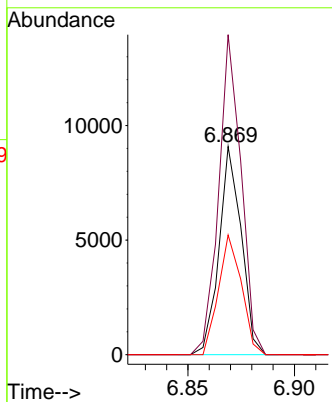
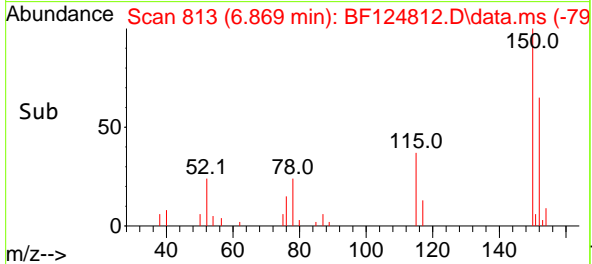


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.869 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

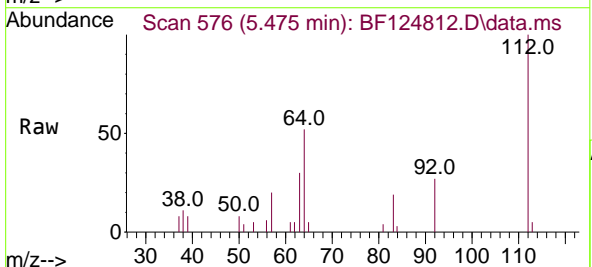
Instrument :
 BNA_F
 ClientSampled :
 HD-02-072621



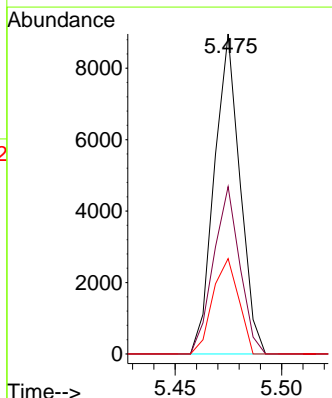
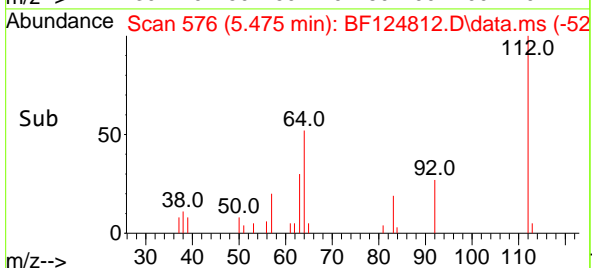
Tgt Ion:152 Resp: 6591
 Ion Ratio Lower Upper
 152 100
 150 153.8 117.6 176.4
 115 57.5 47.1 70.7

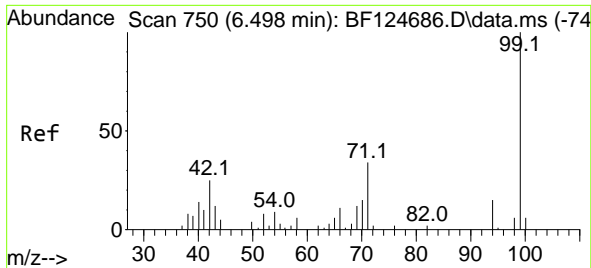


#5
 2-Fluorophenol
 Concen: 19.29 ng
 RT: 5.475 min Scan# 576
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25



Tgt Ion:112 Resp: 7510
 Ion Ratio Lower Upper
 112 100
 64 52.3 44.2 66.2
 63 29.8 26.2 39.2

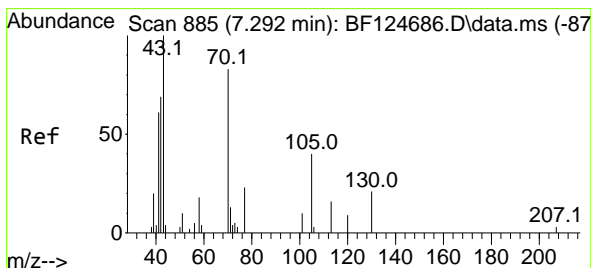
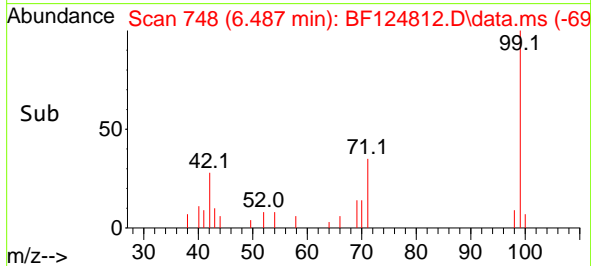
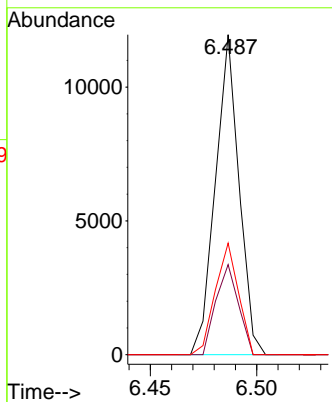
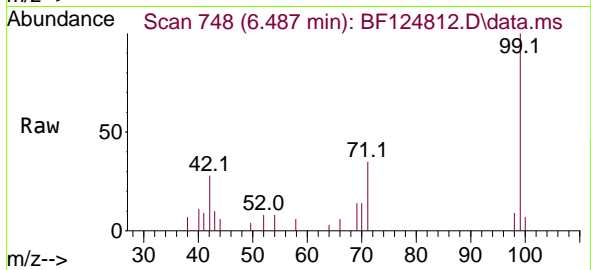




#7
 Phenol-d6
 Concen: 18.88 ng
 RT: 6.487 min Scan# 748
 Delta R.T. -0.012 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

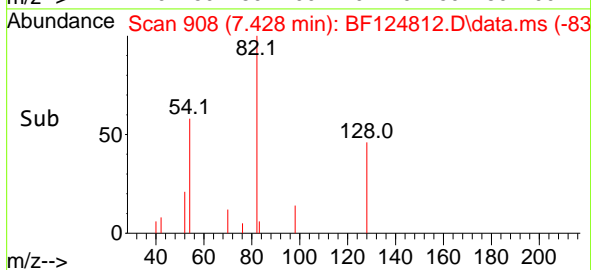
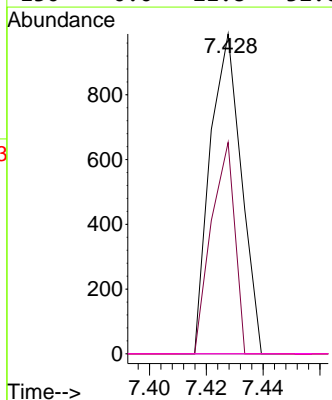
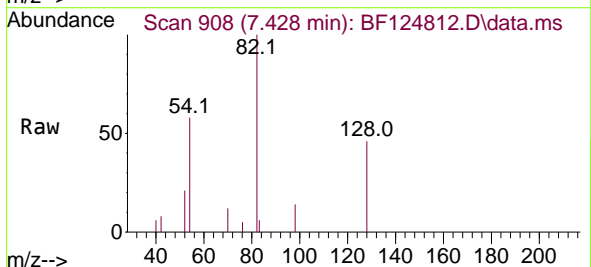
Instrument :
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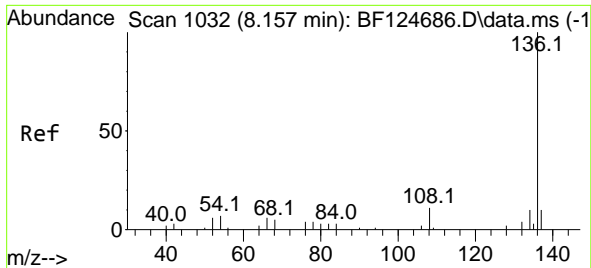
Tgt Ion	Resp	Ion Ratio	Lower	Upper
99	9213	100		
42		28.1	23.5	35.3
71		34.9	25.6	38.4



#19
 n-Nitroso-di-n-propylamine
 Concen: 2.88 ng
 RT: 7.428 min Scan# 908
 Delta R.T. 0.135 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion	Resp	Ion Ratio	Lower	Upper
70	751	100		
42		66.1	72.2	108.2#
101		0.0	7.8	11.8#
130		0.0	21.8	32.6#

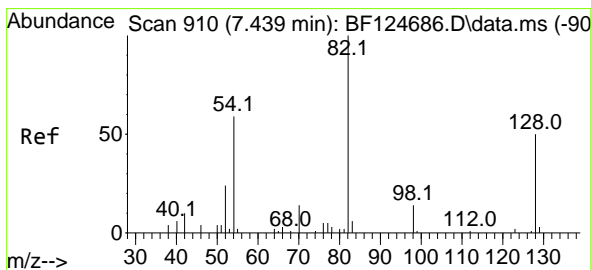
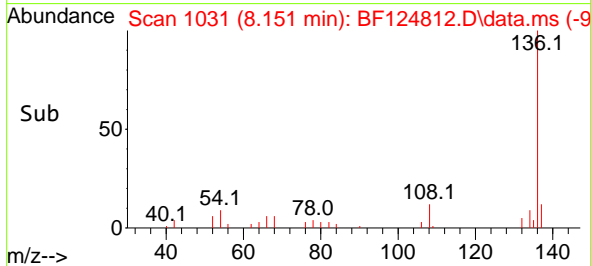
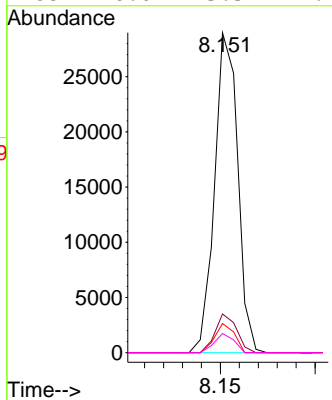
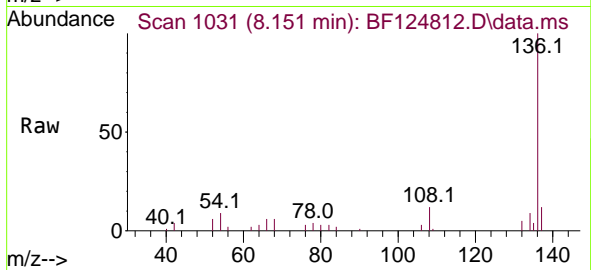




#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.151 min Scan# 1031
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

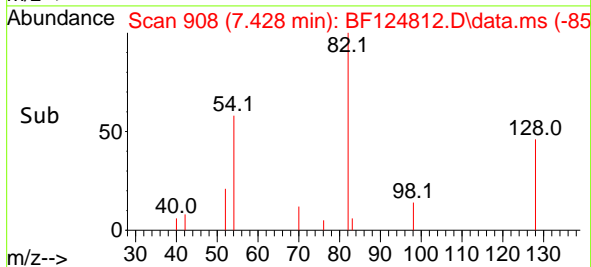
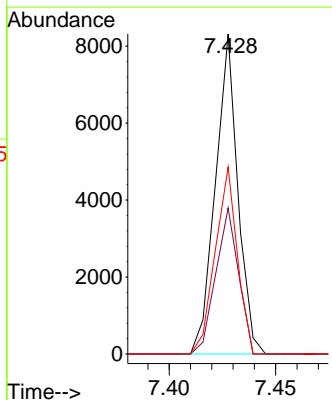
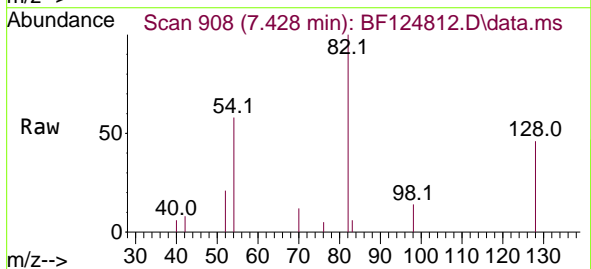
Instrument :
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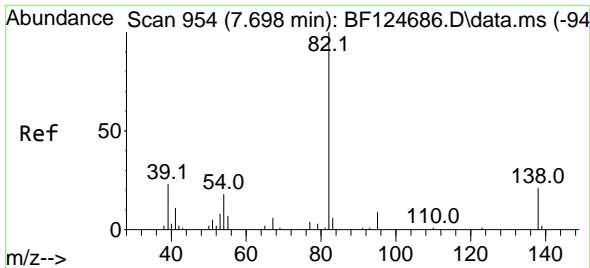
Tgt Ion	Resp	Lower	Upper
136	100		
137	12.1	9.8	14.6
54	9.1	6.4	9.6
68	6.0	3.3	4.9#



#23
 Nitrobenzene-d5
 Concen: 14.69 ng
 RT: 7.428 min Scan# 908
 Delta R.T. -0.012 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion	Resp	Lower	Upper
82	100		
128	45.6	40.6	60.8
54	58.4	49.6	74.4



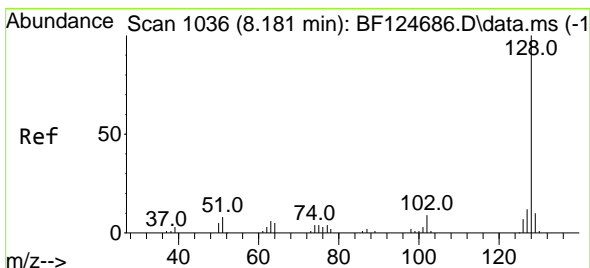
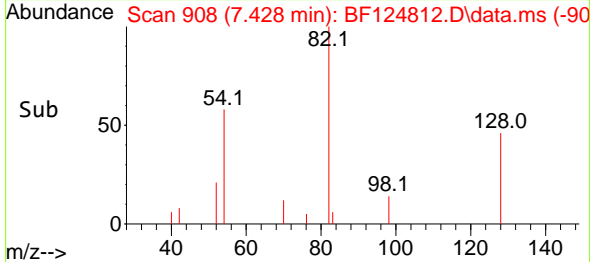
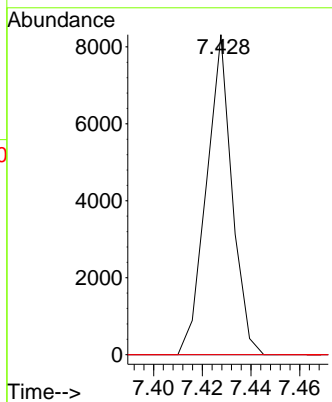
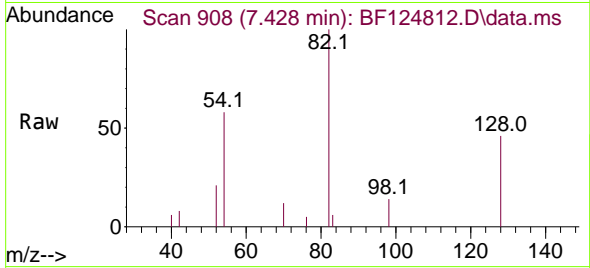


#25
 Isophorone
 Concen: 8.31 ng
 RT: 7.428 min Scan# 908
 Delta R.T. -0.271 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Instrument :
 BNA_F
 ClientSampled :
 HD-02-072621

Tgt Ion: 82 Resp: 6079

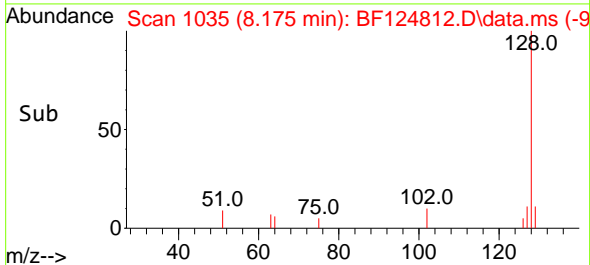
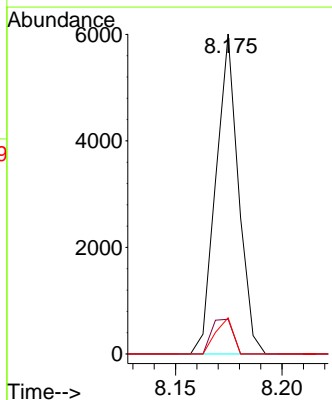
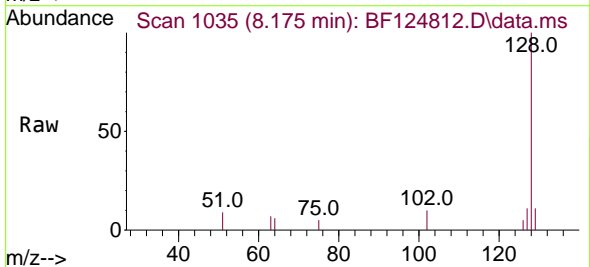
Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.5	9.7#
138	0.0	18.4	27.6#

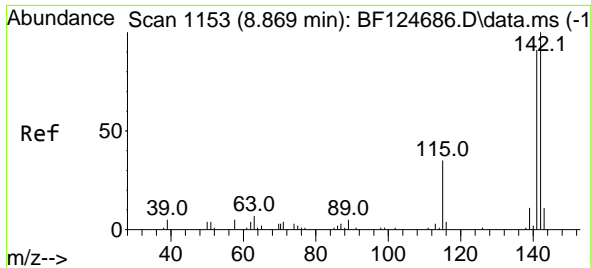


#31
 Naphthalene
 Concen: 3.44 ng
 RT: 8.175 min Scan# 1035
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion: 128 Resp: 4421

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.4	14.0
127	11.3	10.9	16.3

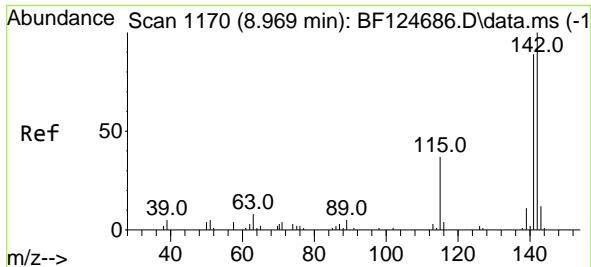
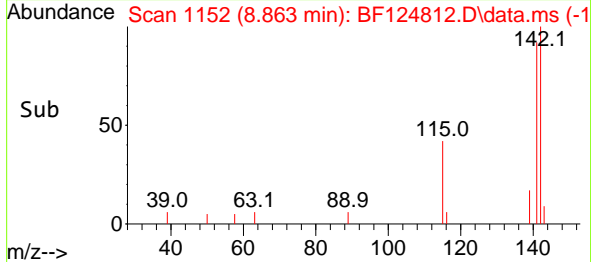
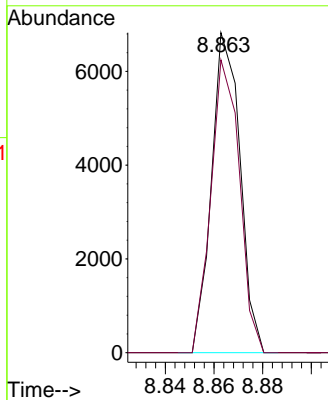
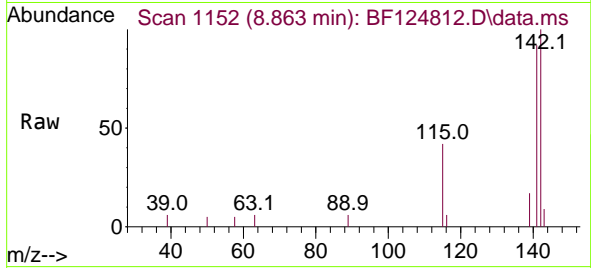




#37
 2-Methylnaphthalene
 Concen: 6.47 ng
 RT: 8.863 min Scan# 1152
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

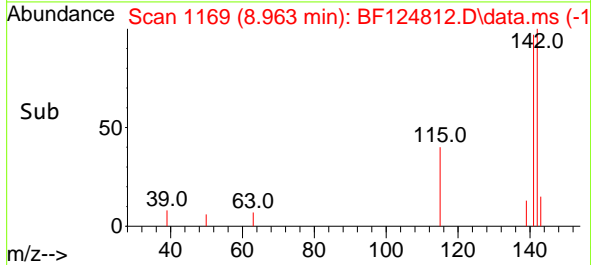
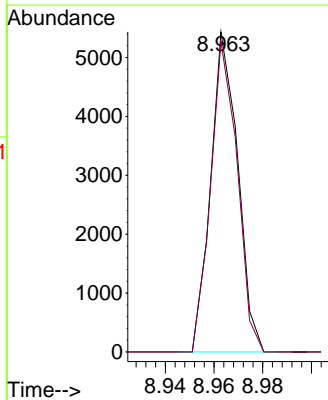
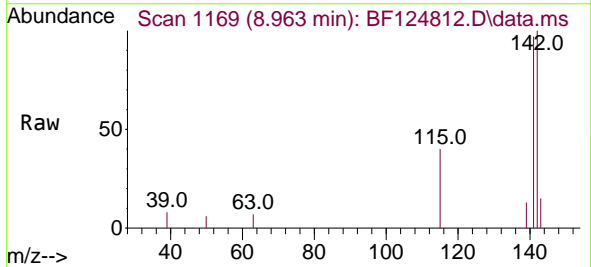
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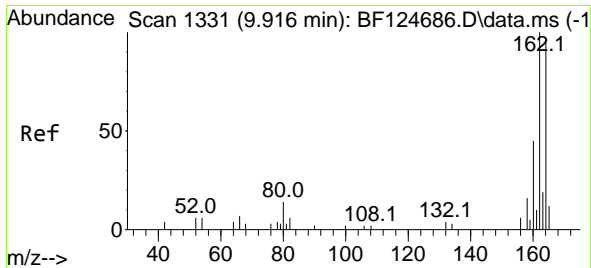
Tgt Ion:142 Resp: 5557
 Ion Ratio Lower Upper
 142 100
 141 91.5 71.2 106.8



#38
 1-Methylnaphthalene
 Concen: 5.14 ng
 RT: 8.963 min Scan# 1169
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion:142 Resp: 4182
 Ion Ratio Lower Upper
 142 100
 141 97.1 76.0 114.0



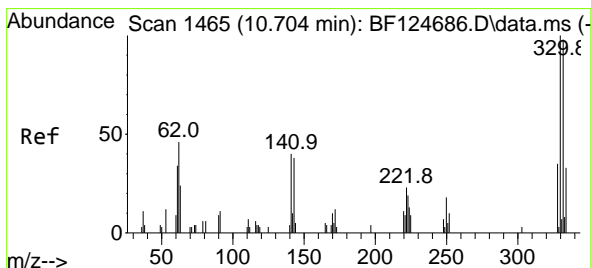
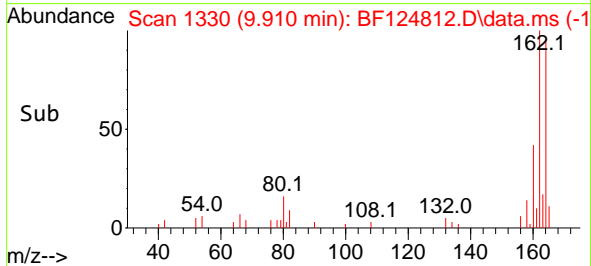
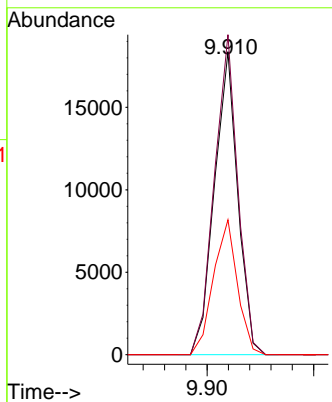
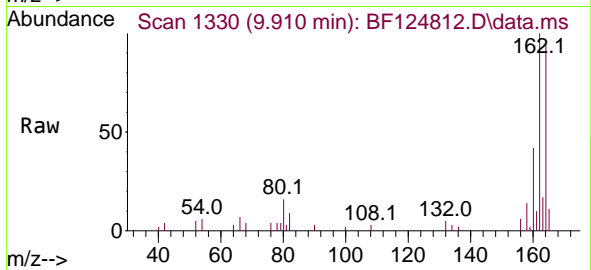


#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.910 min Scan# 1330
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Instrument :
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 ClientSampleId :
 HD-02-072621

Tgt Ion:164 Resp: 13992

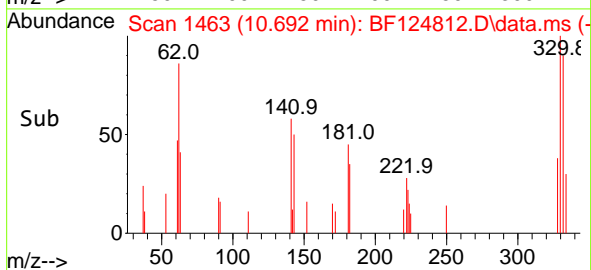
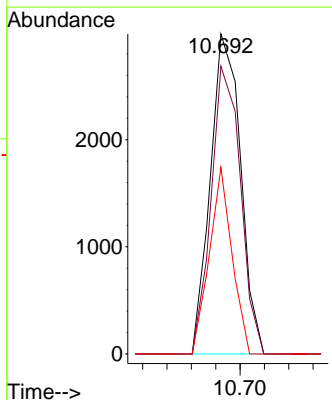
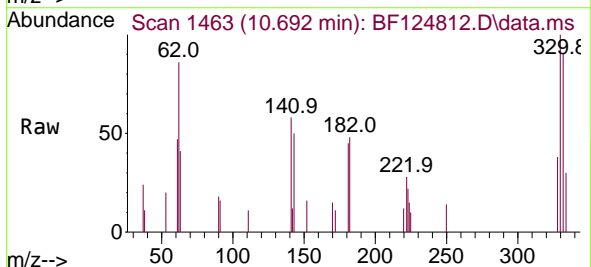
Ion	Ratio	Lower	Upper
164	100		
162	105.6	81.3	121.9
160	44.5	38.0	57.0

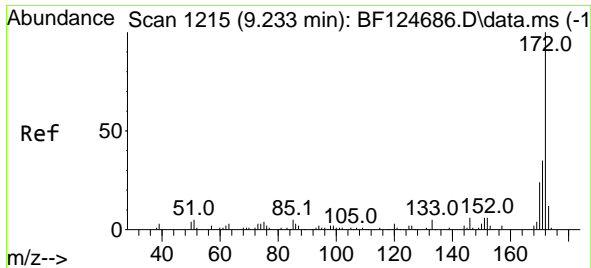


#42
 2,4,6-Tribromophenol
 Concen: 21.42 ng
 RT: 10.692 min Scan# 1463
 Delta R.T. -0.012 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion:330 Resp: 2573

Ion	Ratio	Lower	Upper
330	100		
332	87.1	76.2	114.4
141	43.6	44.6	66.8#



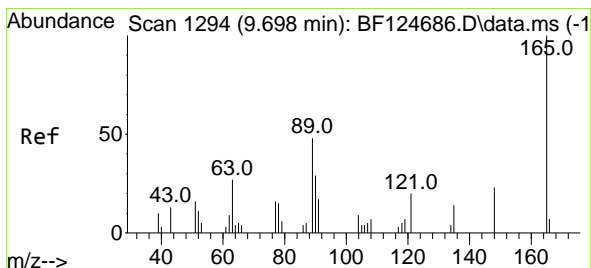
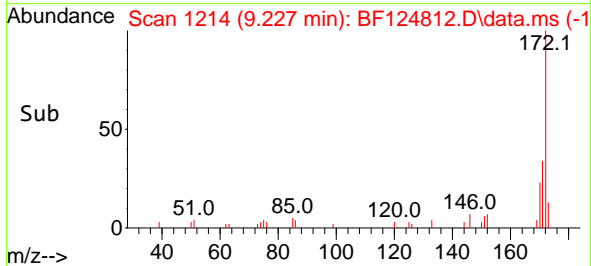
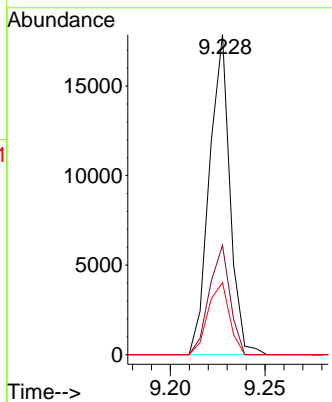
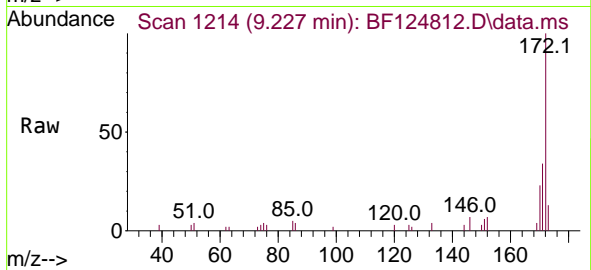


#45
 2-Fluorobiphenyl
 Concen: 14.13 ng
 RT: 9.227 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: BF124812.D
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Tgt Ion:172 Resp: 13462

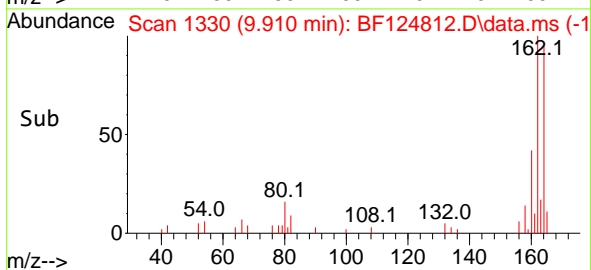
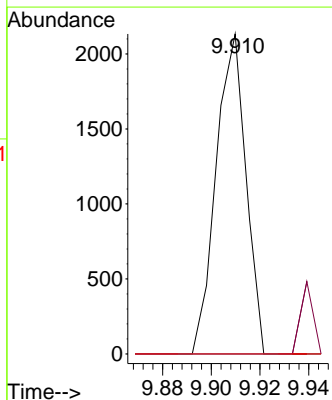
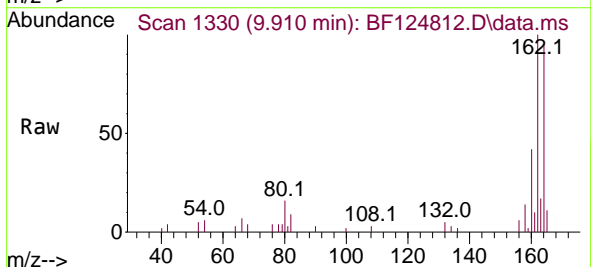
Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.5	39.7
170	22.5	18.8	28.2

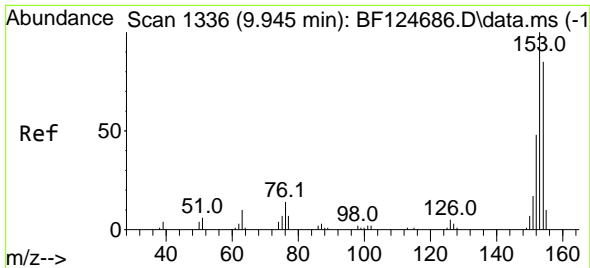


#51
 2,6-Dinitrotoluene
 Concen: 8.52 ng
 RT: 9.910 min Scan# 1330
 Delta R.T. 0.212 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion:165 Resp: 1814

Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.6	63.8#
89	0.0	40.6	60.8#



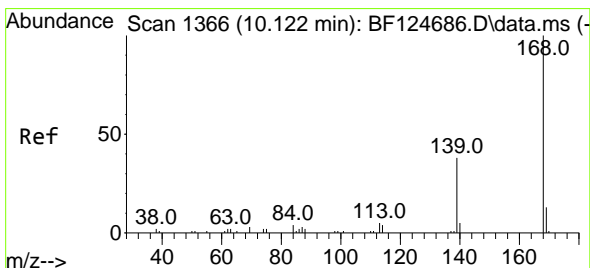
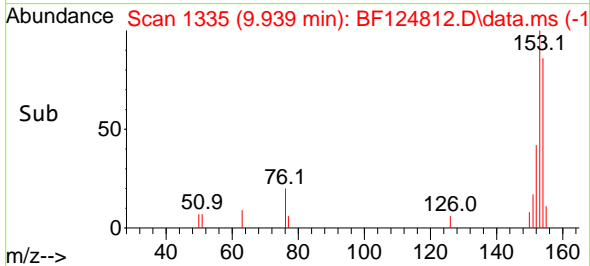
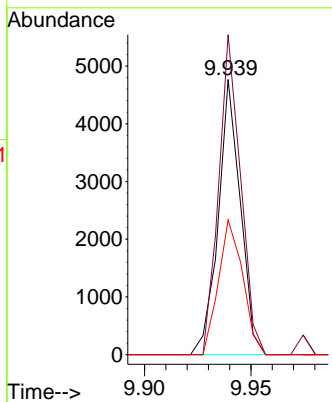
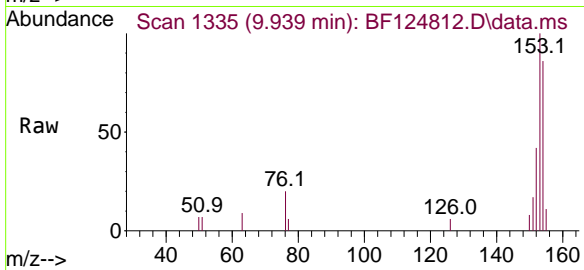


#52
 Acenaphthene
 Concen: 4.06 ng
 RT: 9.939 min Scan# 1335
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Instrument :
 BNA_F
ClientSampled :
 HD-02-072621

Tgt Ion:154 Resp: 3432

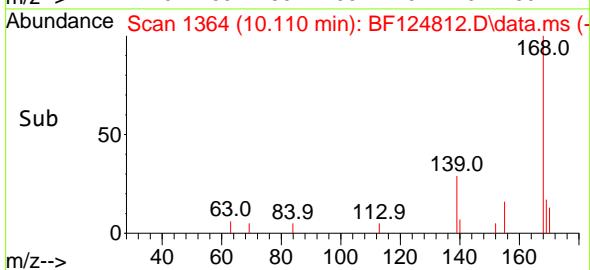
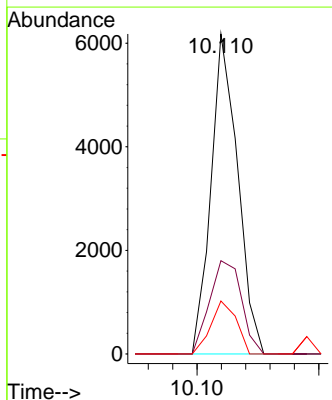
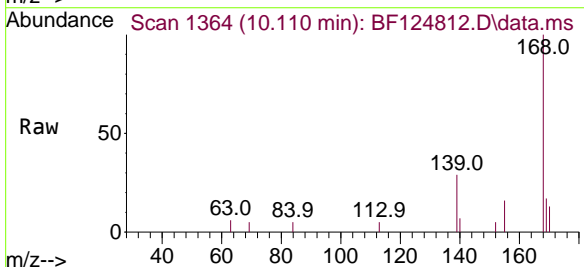
Ion	Ratio	Lower	Upper
154	100		
153	116.3	89.4	134.2
152	48.9	40.5	60.7

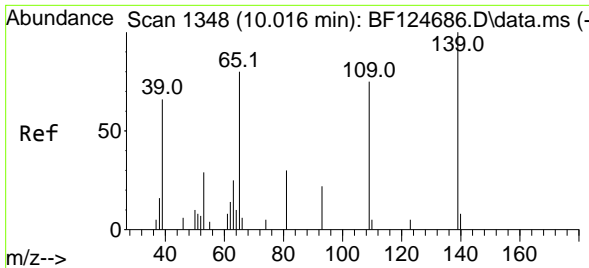


#55
 Dibenzofuran
 Concen: 3.89 ng
 RT: 10.110 min Scan# 1364
 Delta R.T. -0.012 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion:168 Resp: 4695

Ion	Ratio	Lower	Upper
168	100		
139	29.1	32.7	49.1#
169	16.5	11.2	16.8

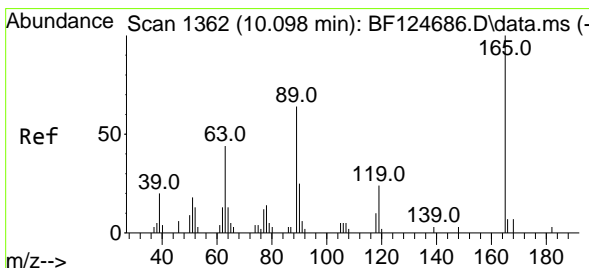
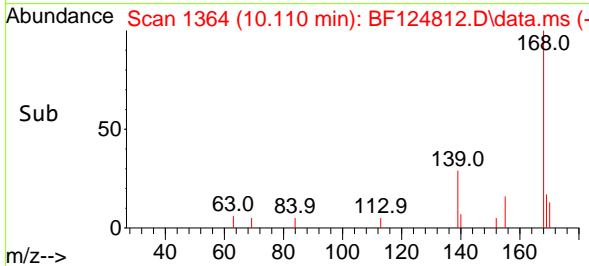
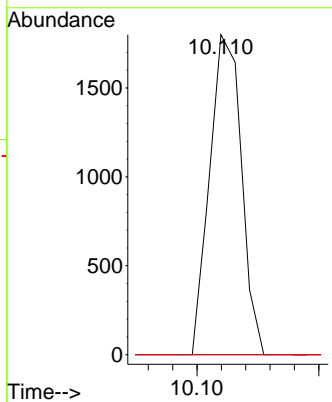
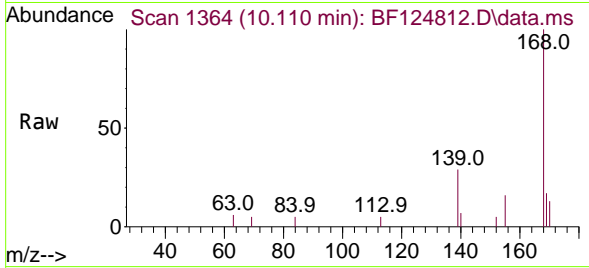




#56
 4-Nitrophenol
 Concen: 9.22 ng
 RT: 10.110 min Scan# 1364
 Delta R.T. 0.094 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

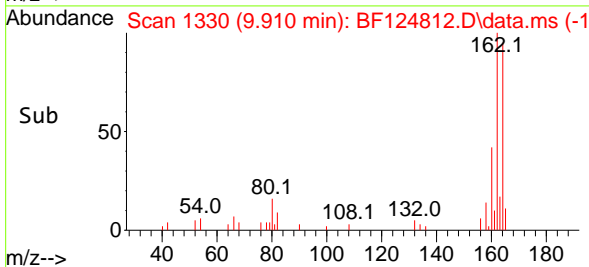
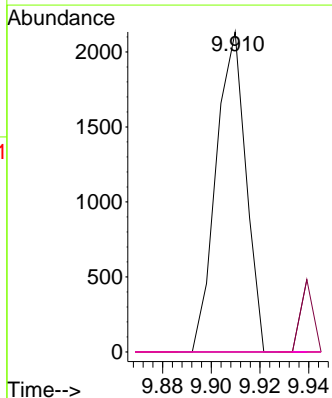
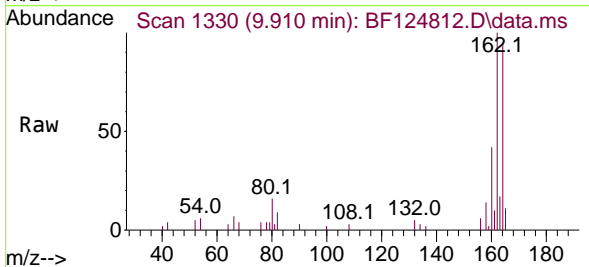
Instrument :
 BNA_F
 ClientSampleID :
 HD-02-072621

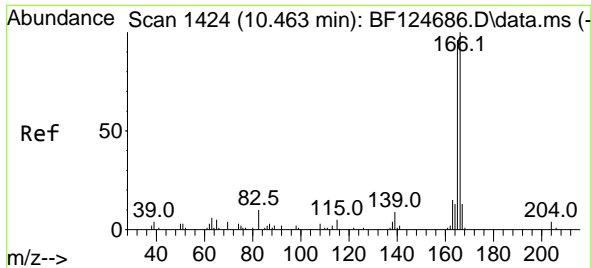
Tgt Ion	Resp	Lower	Upper
139	1631		
109	0.0	60.4	100.4#
65	0.0	58.4	98.4#



#57
 2,4-Dinitrotoluene
 Concen: 6.28 ng
 RT: 9.910 min Scan# 1330
 Delta R.T. -0.188 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

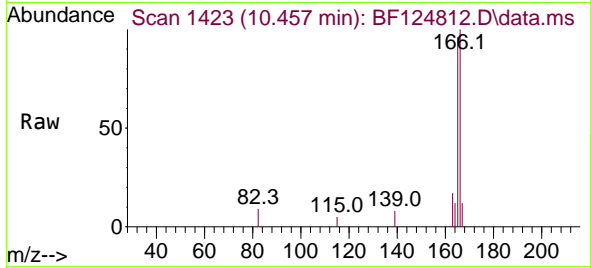
Tgt Ion	Resp	Lower	Upper
165	1814		
63	0.0	40.9	61.3#
89	0.0	59.7	89.5#
182	0.0	0.0	0.0



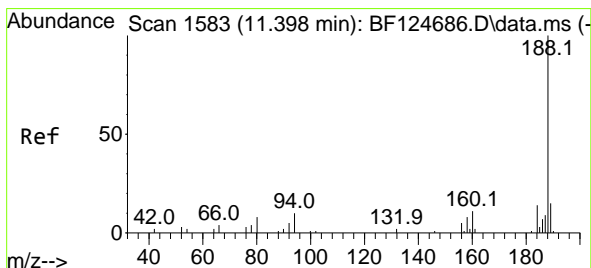
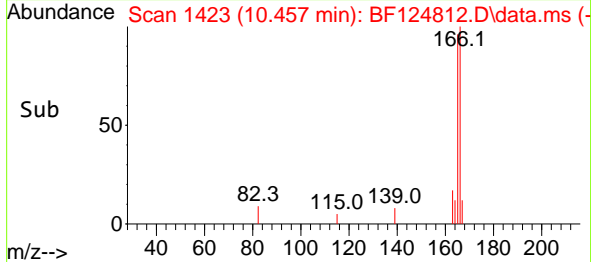
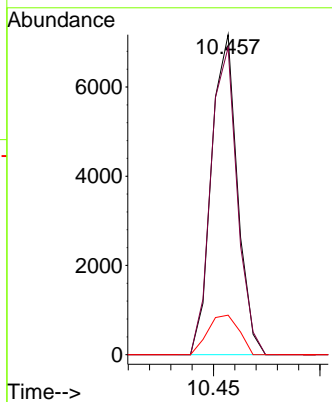


#58
 Fluorene
 Concen: 6.55 ng
 RT: 10.457 min Scan# 1423
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Instrument :
 BNA_F
 ClientSampled :
 HD-02-072621

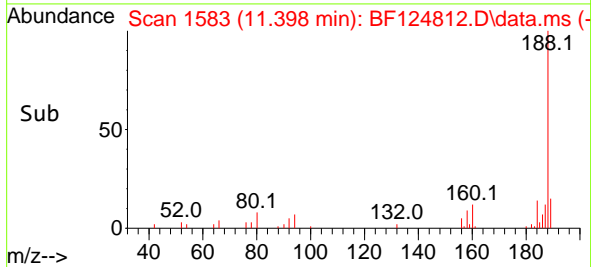
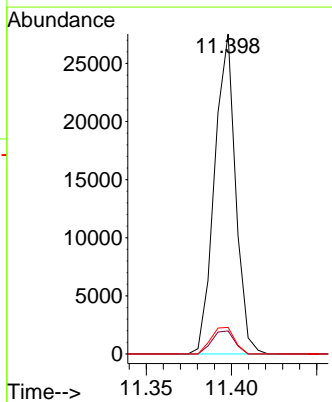
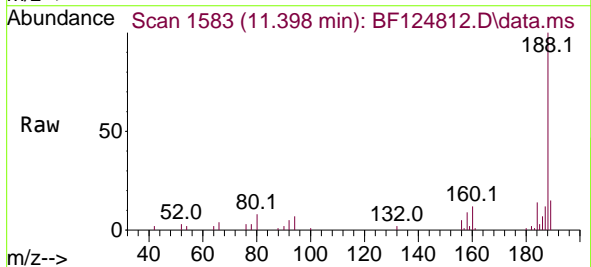


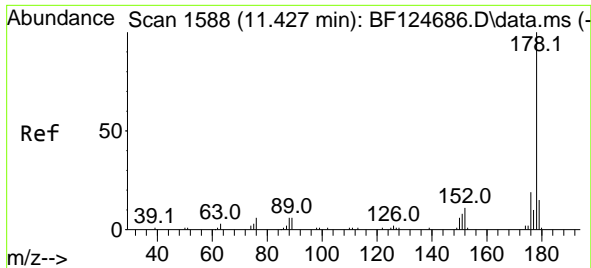
Tgt Ion:166 Resp: 6069
 Ion Ratio Lower Upper
 166 100
 165 96.0 78.1 117.1
 167 12.3 11.1 16.7



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.398 min Scan# 1583
 Delta R.T. -0.000 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion:188 Resp: 23635
 Ion Ratio Lower Upper
 188 100
 94 7.2 6.7 10.1
 80 8.3 7.5 11.3



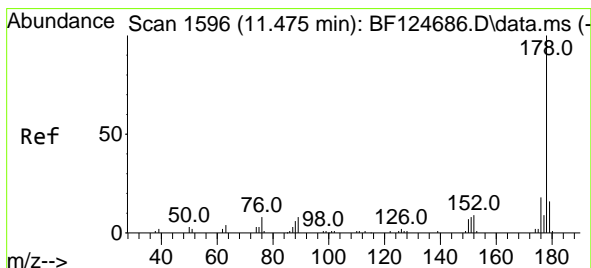
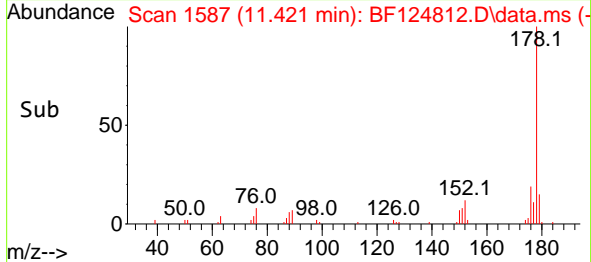
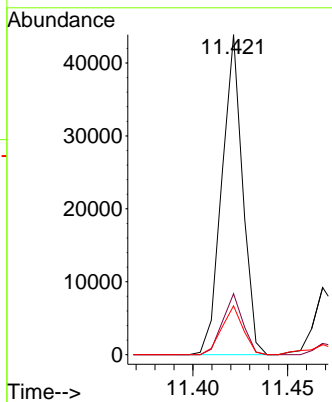
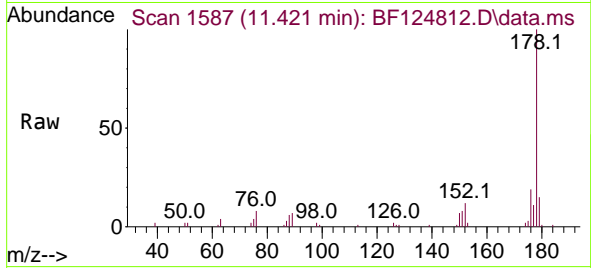


#71
 Phenanthrene
 Concen: 26.24 ng
 RT: 11.421 min Scan# 1587
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072621

Tgt Ion:178 Resp: 33354

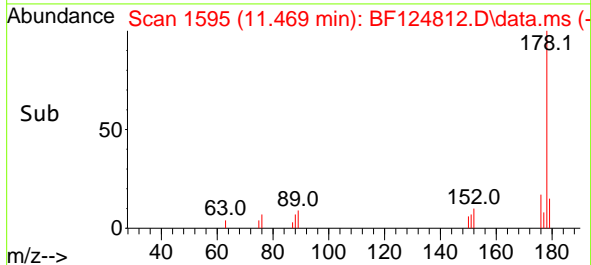
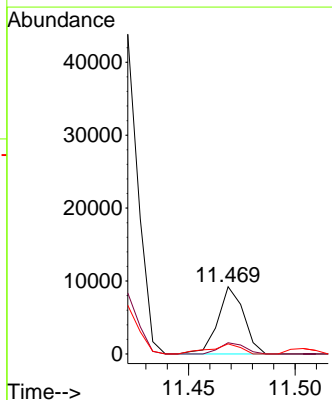
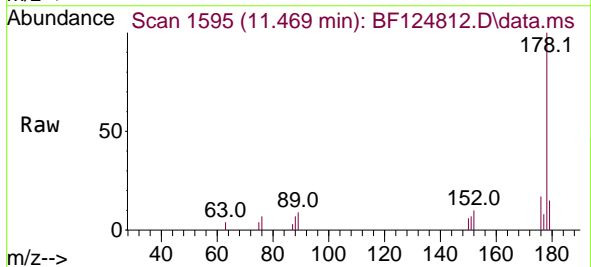
Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.7	22.1
179	15.3	11.5	17.3

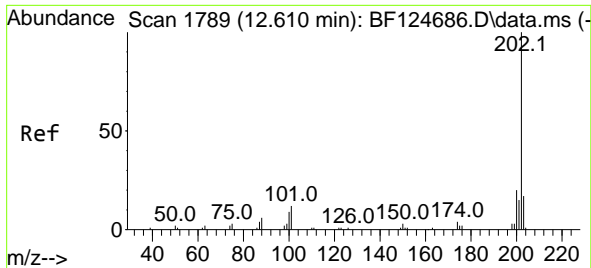


#72
 Anthracene
 Concen: 6.11 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion:178 Resp: 7768

Ion	Ratio	Lower	Upper
178	100		
176	16.6	14.3	21.5
179	15.0	12.2	18.4

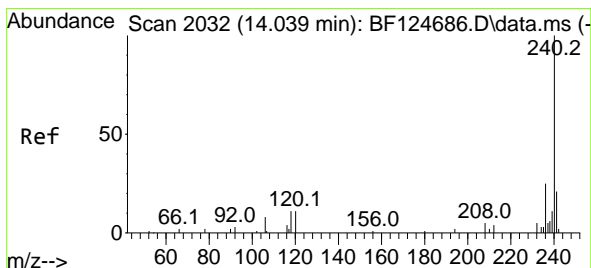
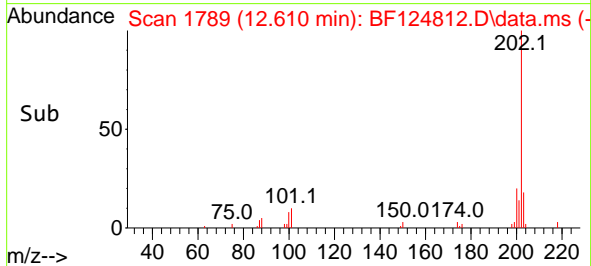
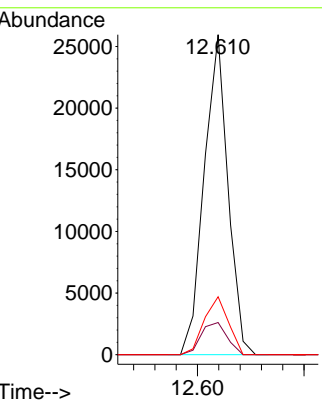
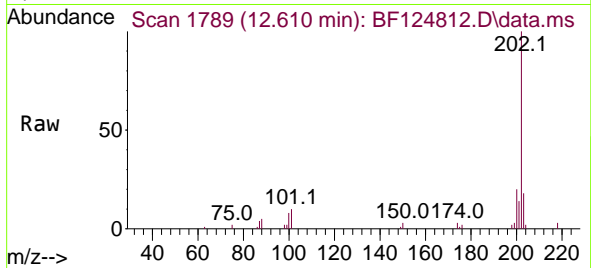




#75
 Fluoranthene
 Concen: 15.51 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

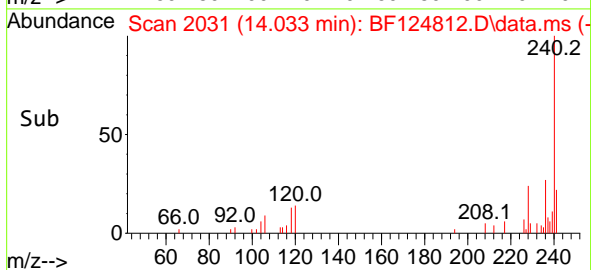
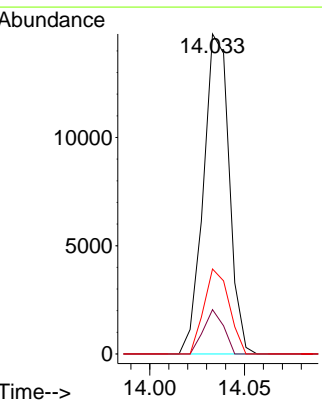
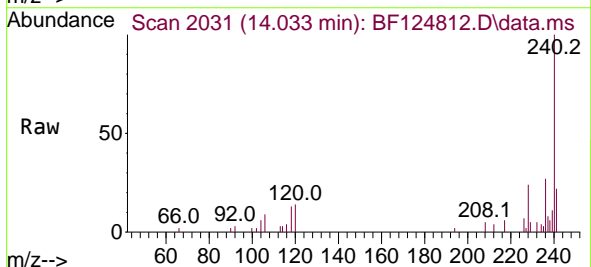
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072621

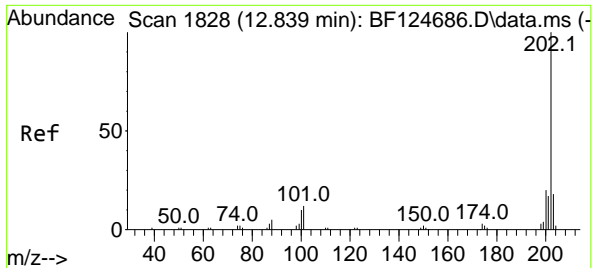
Tgt Ion	Resp	Lower	Upper
202	100		
101	10.0	0.0	30.7
203	18.1	0.0	36.3



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion	Resp	Lower	Upper
240	100		
120	13.9	10.8	16.2
236	26.5	21.6	32.4

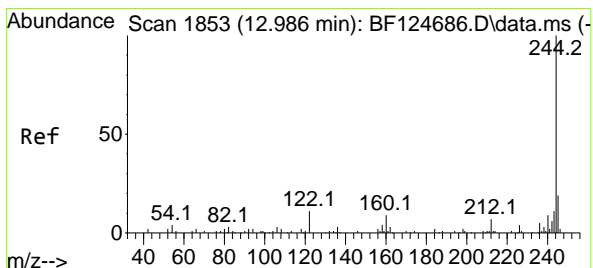
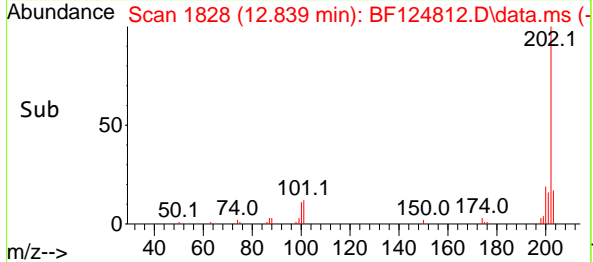
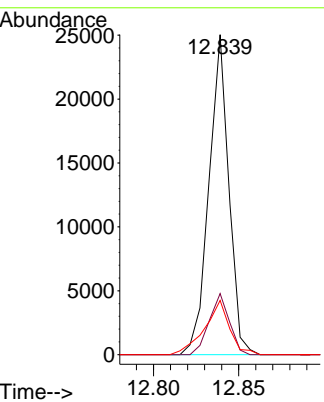
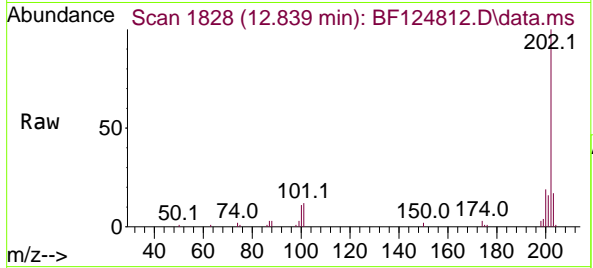




#78
 Pyrene
 Concen: 18.41 ng
 RT: 12.839 min Scan# 1828
 Delta R.T. -0.000 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

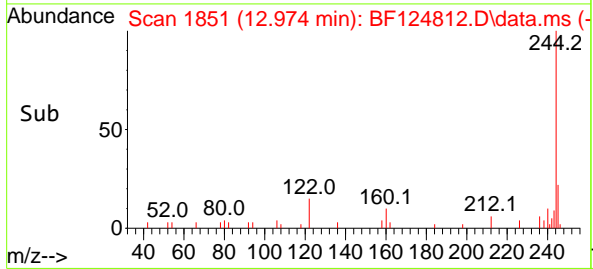
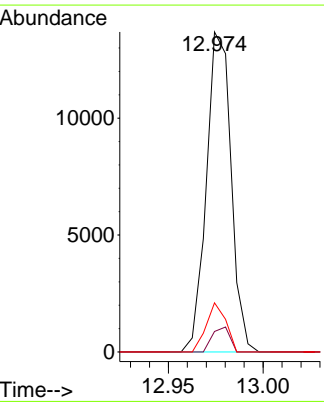
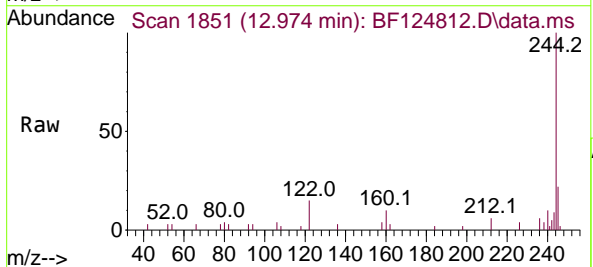
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072621

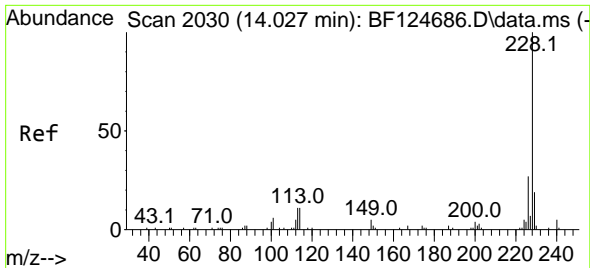
Tgt Ion	Resp	Lower	Upper
202	100		
200	19.1	15.3	22.9
203	16.9	13.4	20.0



#79
 Terphenyl-d14
 Concen: 15.27 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion	Resp	Lower	Upper
244	100		
212	6.4	5.9	8.9
122	15.4	9.0	13.4#

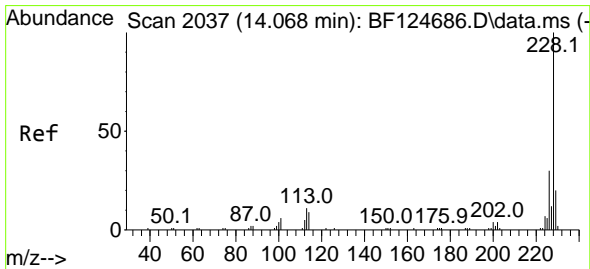
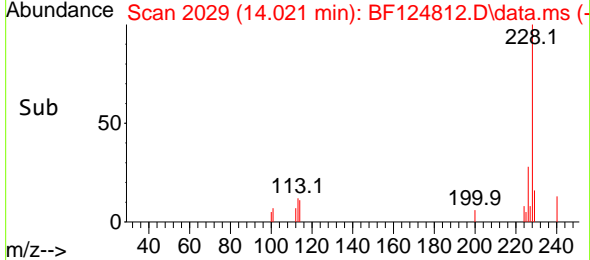
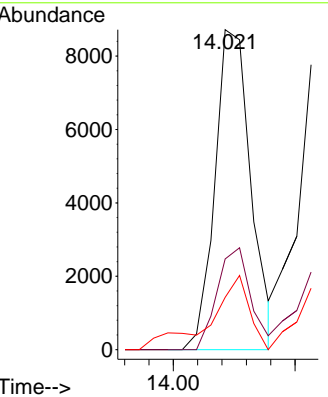
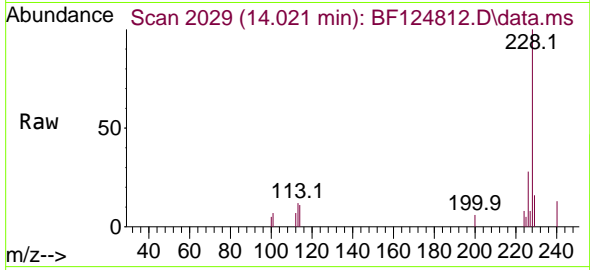




#81
 Benzo(a)anthracene
 Concen: 9.82 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

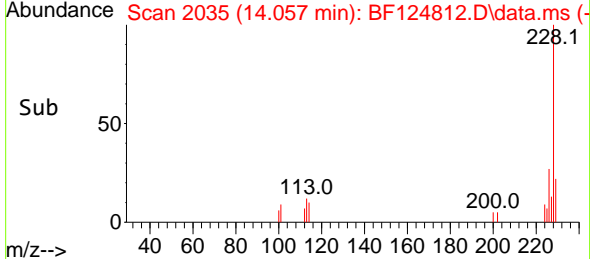
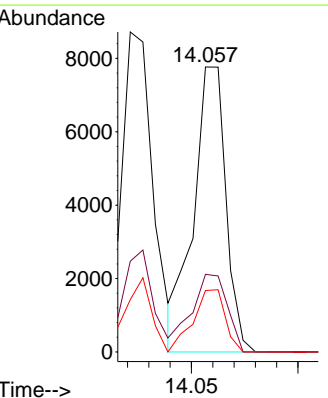
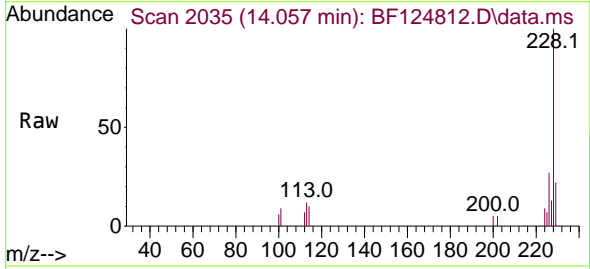
Instrument :
 BNA_F
 ClientSampled :
 HD-02-072621

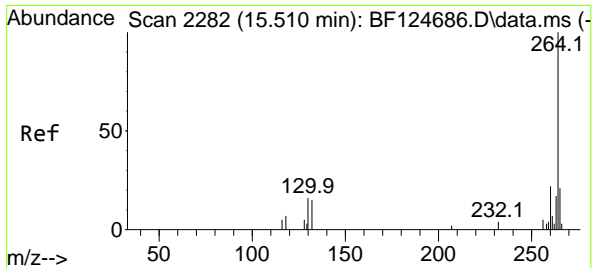
Tgt Ion	Resp	Lower	Upper
228	100		
226	28.3	21.6	32.4
229	16.3	15.6	23.4



#83
 Chrysene
 Concen: 9.38 ng
 RT: 14.057 min Scan# 2035
 Delta R.T. -0.012 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion	Resp	Lower	Upper
228	100		
226	27.2	22.6	34.0
229	21.5	15.9	23.9



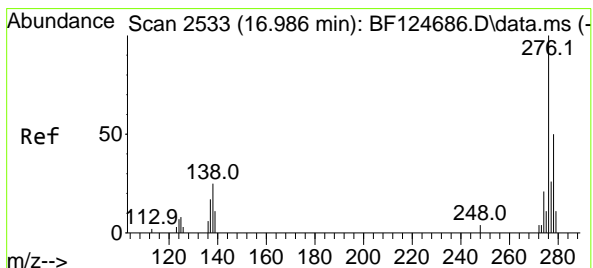
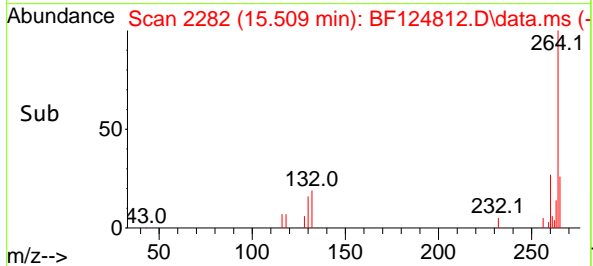
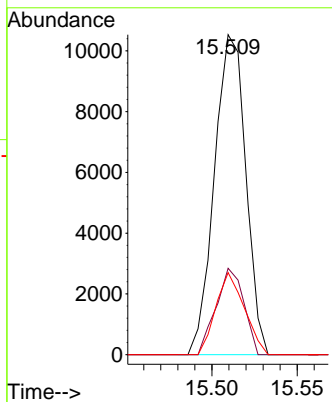
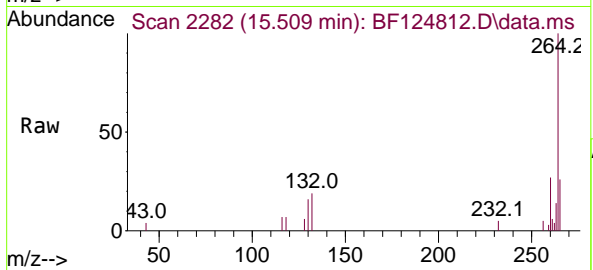


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.509 min Scan# 2282
 Delta R.T. -0.000 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Instrument :
 BNA_F
 ClientSampled :
 HD-02-072621

Tgt Ion:264 Resp: 13498

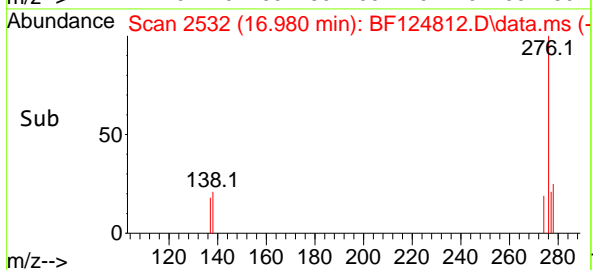
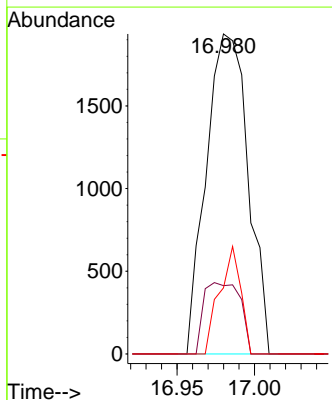
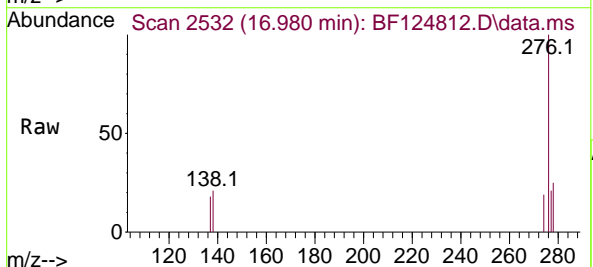
Ion	Ratio	Lower	Upper
264	100		
260	27.0	19.6	29.4
265	25.7	17.2	25.8

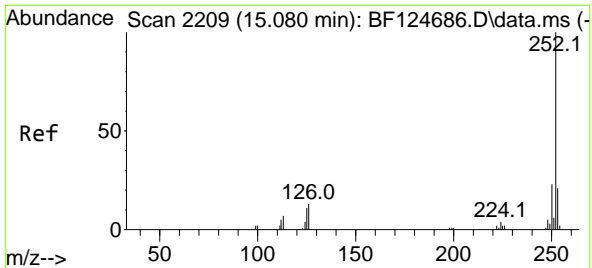


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.66 ng
 RT: 16.980 min Scan# 2532
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion:276 Resp: 3634

Ion	Ratio	Lower	Upper
276	100		
138	19.3	24.1	36.1#
277	17.0	18.8	28.2#

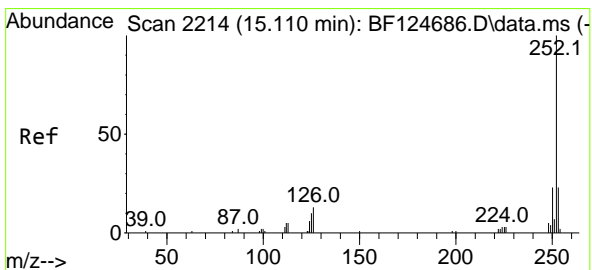
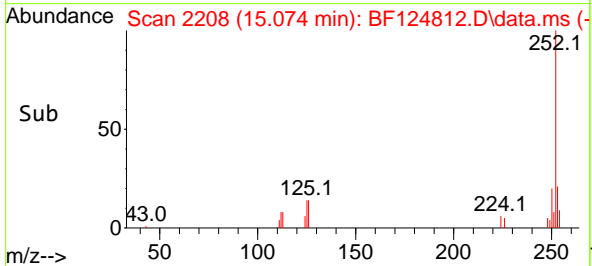
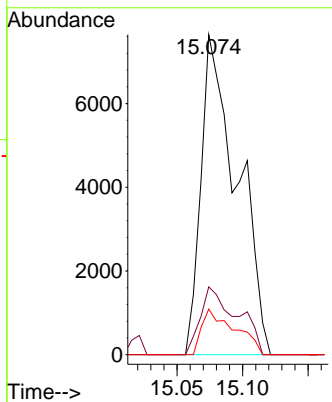
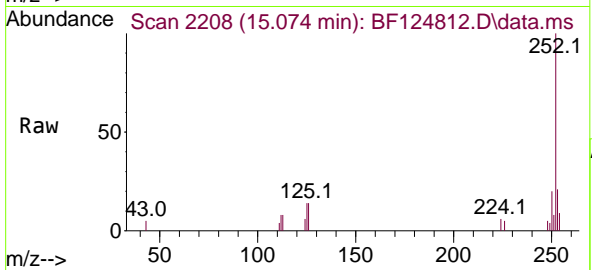




#88
 Benzo(b)fluoranthene
 Concen: 15.43 ng
 RT: 15.074 min Scan# 2208
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

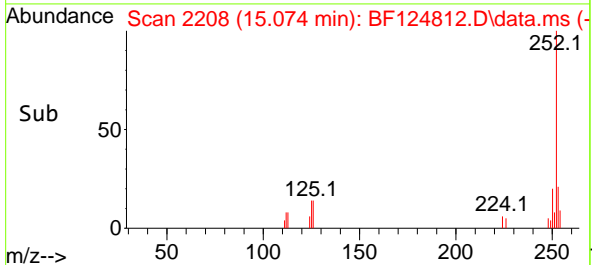
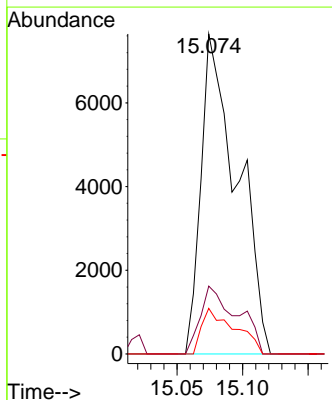
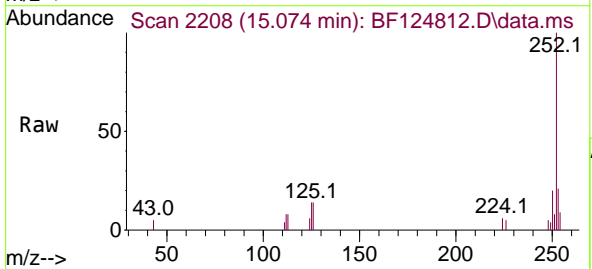
Instrument :
 BNA_F
 ClientSampled :
 HD-02-072621

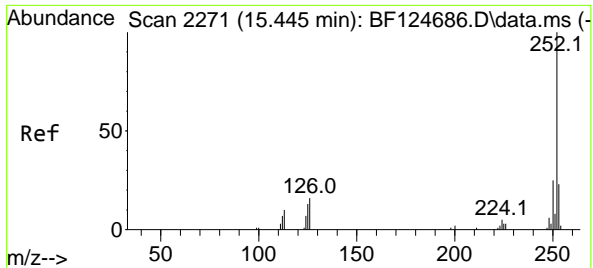
Tgt Ion:252 Resp: 14661
 Ion Ratio Lower Upper
 252 100
 253 21.2 16.8 25.2
 125 14.3 9.8 14.8



#89
 Benzo(k)fluoranthene
 Concen: 16.88 ng
 RT: 15.074 min Scan# 2208
 Delta R.T. -0.035 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion:252 Resp: 14661
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.8 26.8
 125 14.3 7.2 10.8#

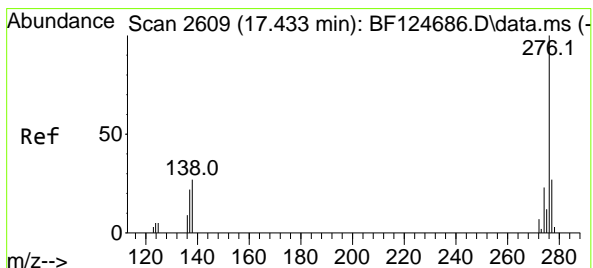
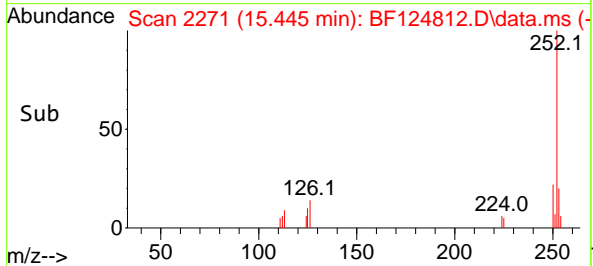
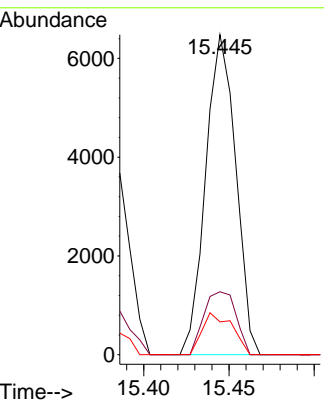
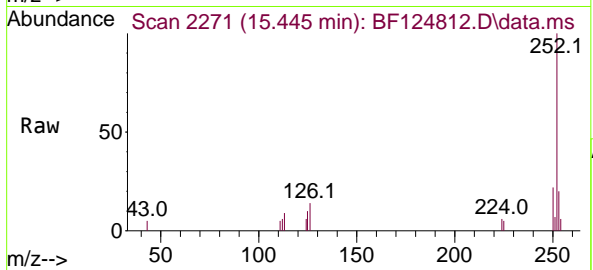




#90
 Benzo(a)pyrene
 Concen: 10.03 ng
 RT: 15.445 min Scan# 2271
 Delta R.T. -0.000 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Instrument :
 BNA_F
ClientSampled :
 HD-02-072621

Tgt Ion	Resp	Lower	Upper
252	100		
253	19.7	18.4	27.6
125	10.3	9.9	14.9



#92
 Benzo(g,h,i)perylene
 Concen: 4.81 ng
 RT: 17.433 min Scan# 2609
 Delta R.T. -0.000 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion	Resp	Lower	Upper
276	100		
277	25.1	22.0	33.0
138	33.5	22.2	33.4#

