

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060921\
 Data File : BF124210.D
 Acq On : 9 Jun 2021 15:49
 Operator : JU/CG
 Sample : M2598-10RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 17

Quant Time: Jun 09 16:22:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 09 14:34:04 2021
 Response via : Initial Calibration

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

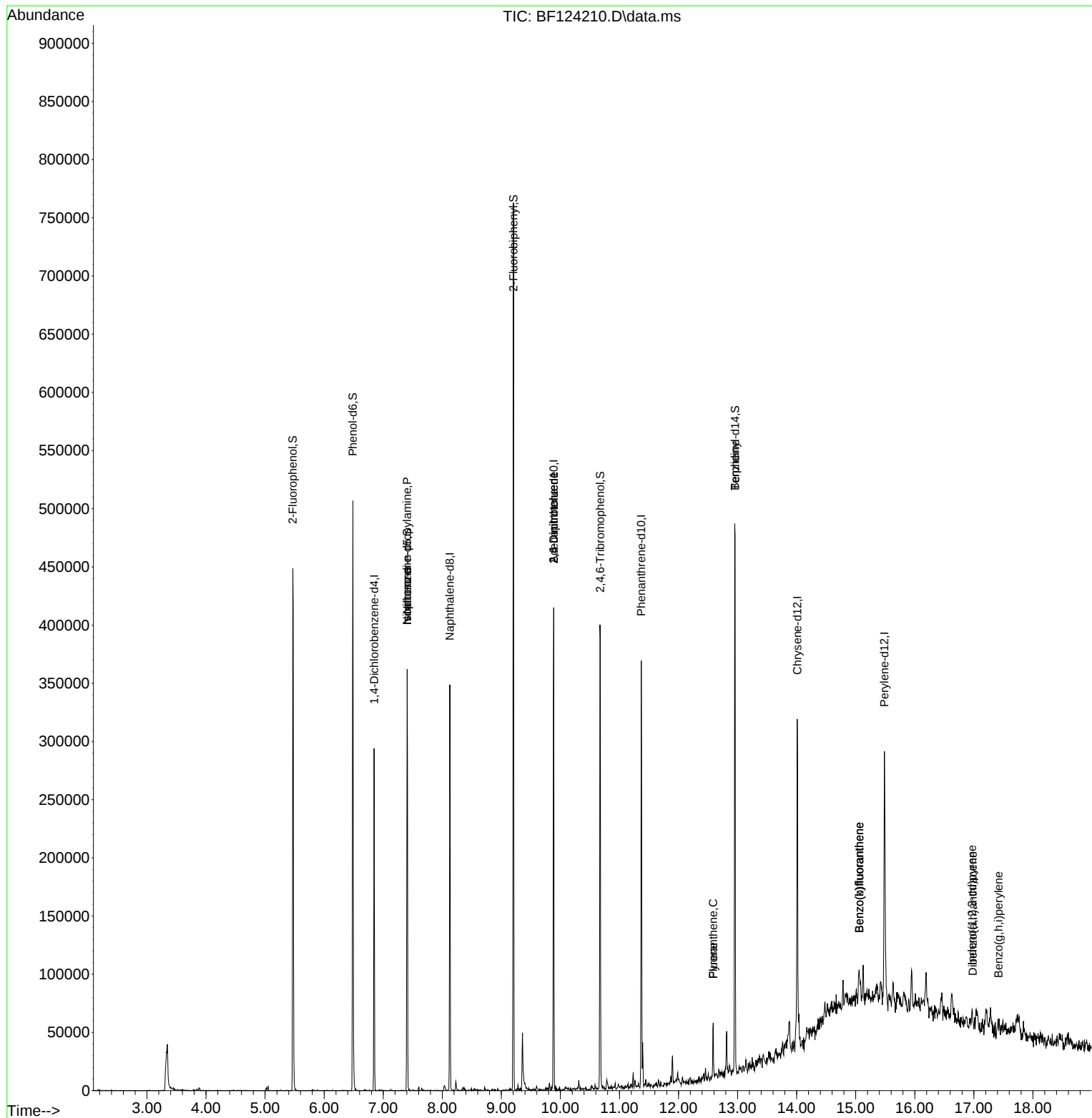
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	31228	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	124909	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	69842	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	116070	20.000	ng	0.00
76) Chrysene-d12	14.010	240	81798	20.000	ng	-0.01
86) Perylene-d12	15.486	264	77189	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	94572	45.588	ng	-0.01
7) Phenol-d6	6.487	99	125356	44.956	ng	-0.01
23) Nitrobenzene-d5	7.404	82	97003	30.801	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	41294	41.733	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	173606	31.279	ng	0.00
79) Terphenyl-d14	12.957	244	139726	23.453	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	13389	6.802	ng	# 66
25) Isophorone	7.404	82	97002	17.092	ng	# 70
51) 2,6-Dinitrotoluene	9.886	165	9166	6.918	ng	# 10
57) 2,4-Dinitrotoluene	9.886	165	9166	5.246	ng	# 15
75) Fluoranthene	12.586	202	16124	2.119	ng	92
77) Benzidine	12.957	184	2499	5.261	ng	# 78
78) Pyrene	12.586	202	16124	2.053	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	5254	5.079	ng	# 79
88) Benzo(b)fluoranthene	15.063	252	15900	2.652	ng	# 83
89) Benzo(k)fluoranthene	15.063	252	15900	2.801	ng	# 83
91) Dibenzo(a,h)anthracene	16.980	278	1800	4.475	ng	# 54
92) Benzo(g,h,i)perylene	17.415	276	4530	4.578	ng	# 91

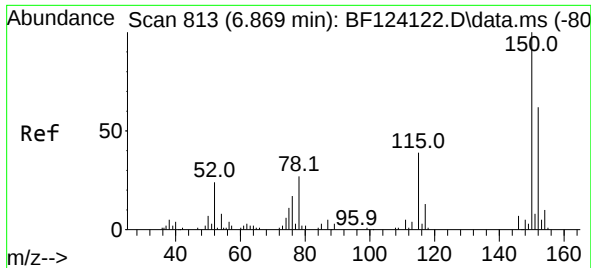
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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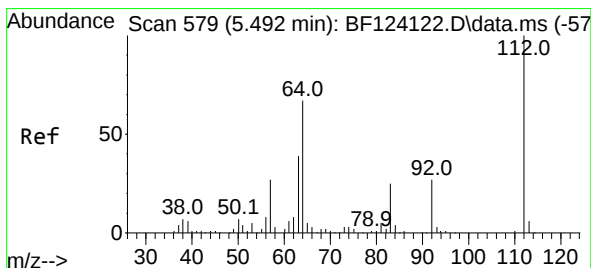
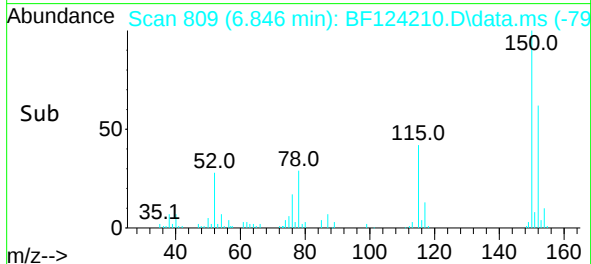
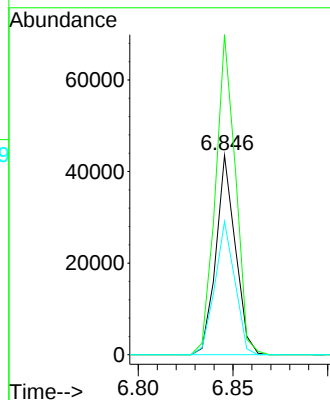
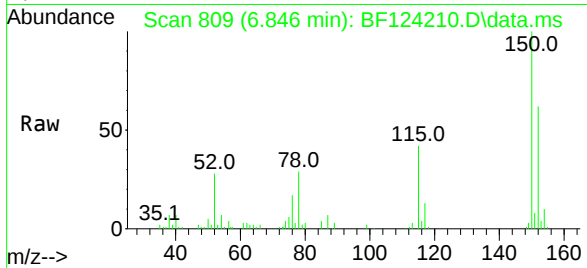




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 809
Delta R.T. -0.005 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

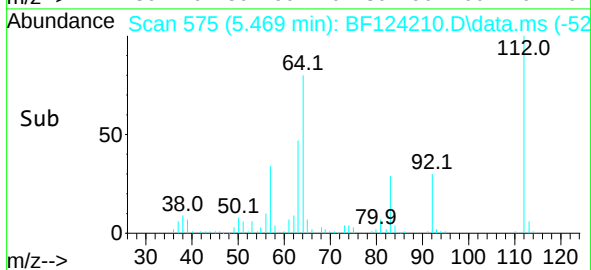
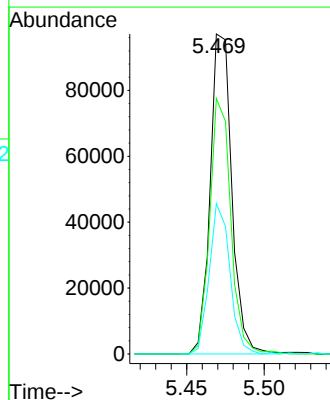
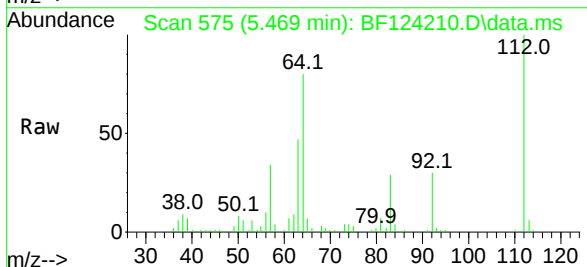
Instrument :
BNA_F
ClientSampleId :
17

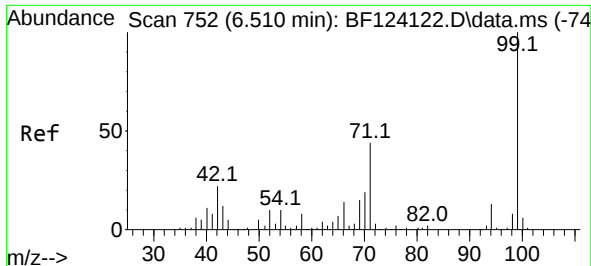
Tgt Ion:152 Resp: 31228
Ion Ratio Lower Upper
152 100
150 160.5 127.0 190.6
115 66.9 54.3 81.5



#5
2-Fluorophenol
Concen: 45.588 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.011 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

Tgt Ion:112 Resp: 94572
Ion Ratio Lower Upper
112 100
64 79.8 61.4 92.0
63 47.0 33.0 49.4

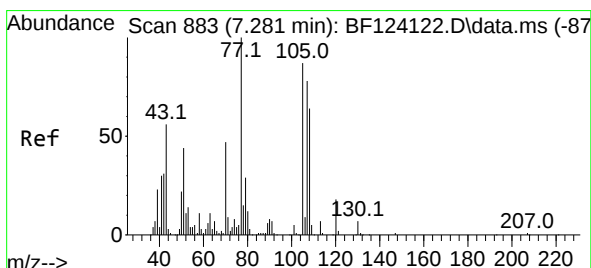
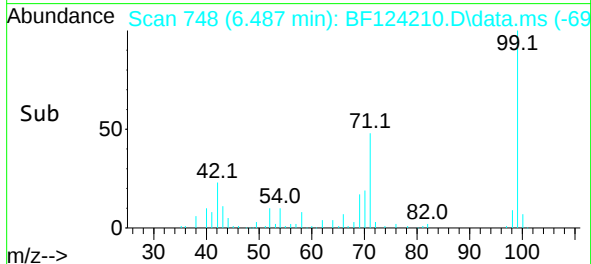
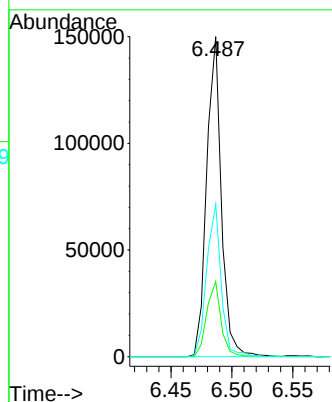
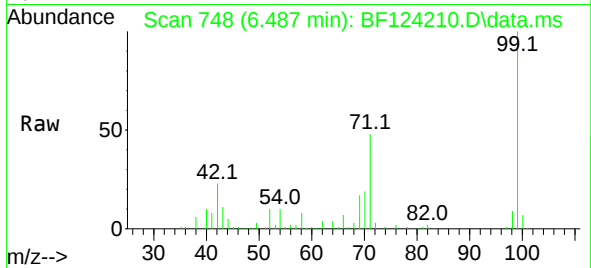




#7
Phenol-d6
Concen: 44.956 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.011 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

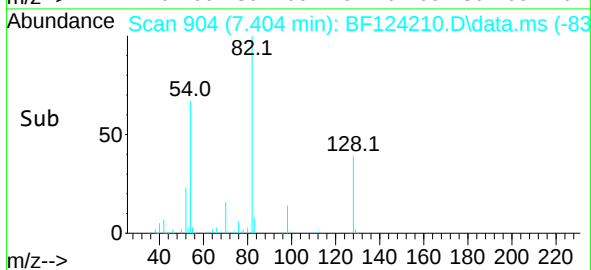
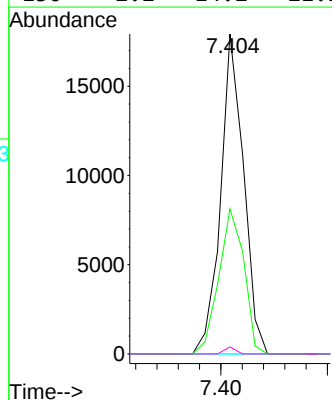
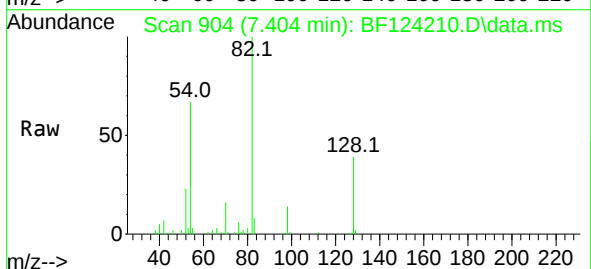
Instrument :
BNA_F
ClientSampled :
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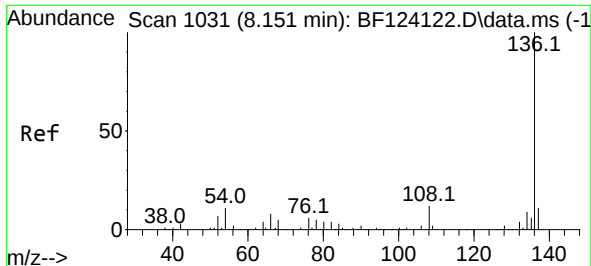
Tgt Ion: 99 Resp: 125356
Ion Ratio Lower Upper
99 100
42 23.4 19.8 29.8
71 47.7 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 6.802 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.136 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

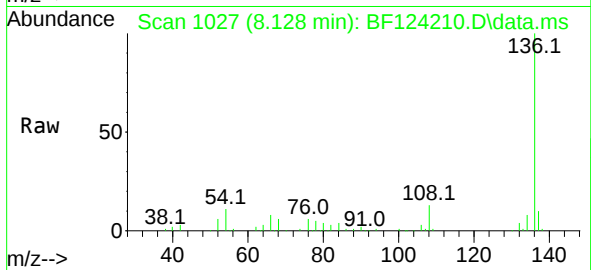
Tgt Ion: 70 Resp: 13389
Ion Ratio Lower Upper
70 100
42 45.4 60.1 90.1#
101 0.0 7.4 11.2#
130 2.2 14.2 21.2#



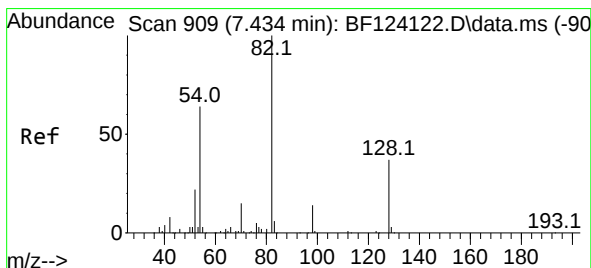
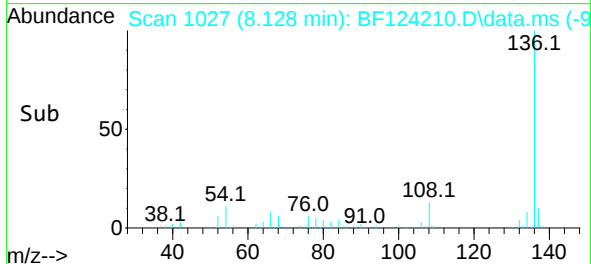
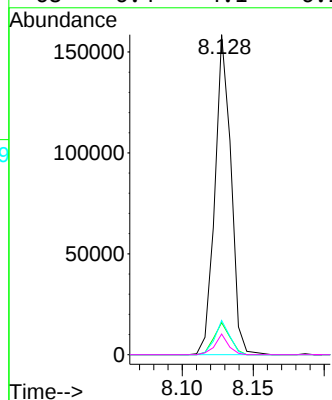


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

Instrument :
BNA_F
ClientSampleId :
17

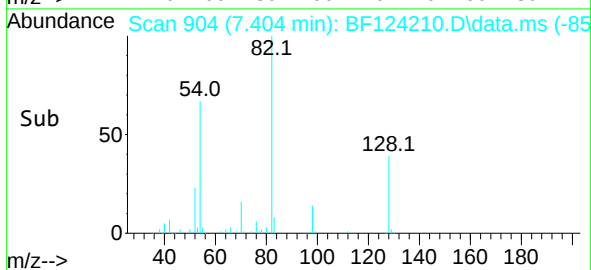
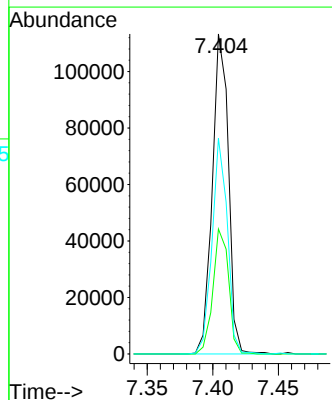
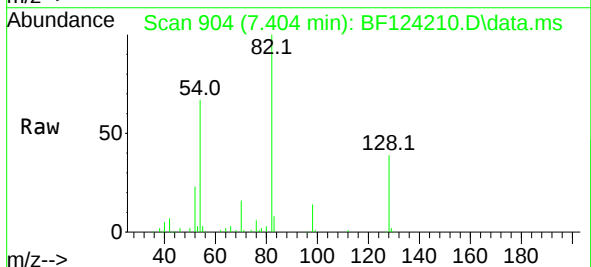


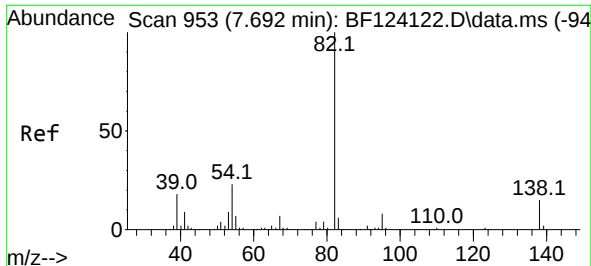
Tgt Ion:136 Resp: 124909
Ion Ratio Lower Upper
136 100
137 10.0 8.7 13.1
54 10.7 9.8 14.6
68 6.4 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 30.801 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.011 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

Tgt Ion: 82 Resp: 97003
Ion Ratio Lower Upper
82 100
128 39.0 29.4 44.2
54 67.4 54.1 81.1

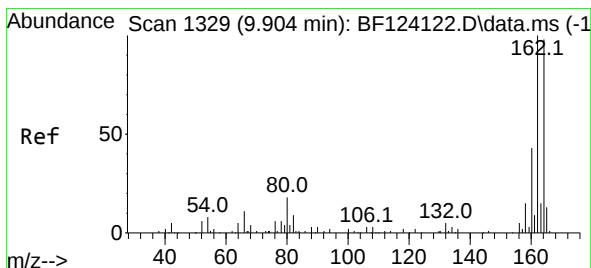
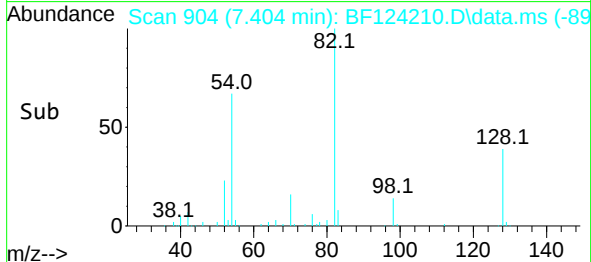
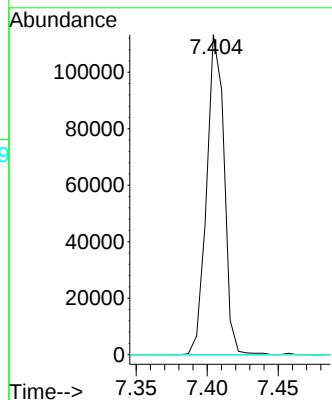
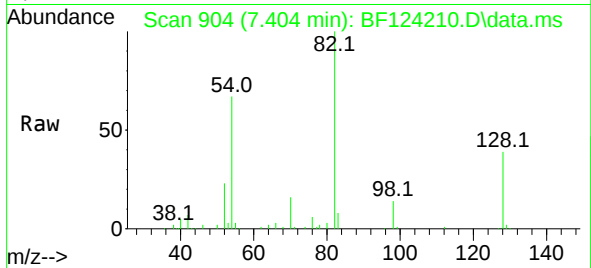




#25
Isophorone
Concen: 17.092 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.270 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

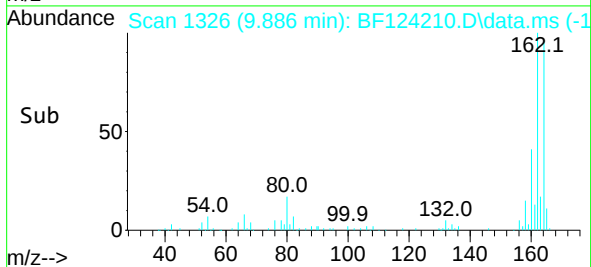
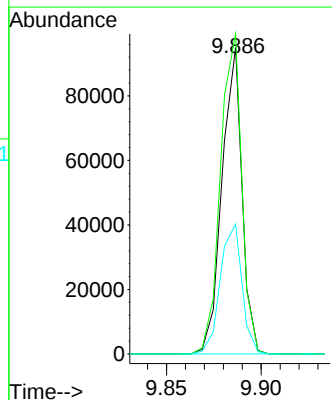
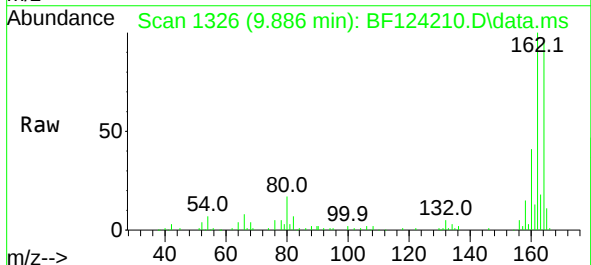
Instrument :
BNA_F
ClientSampleId :
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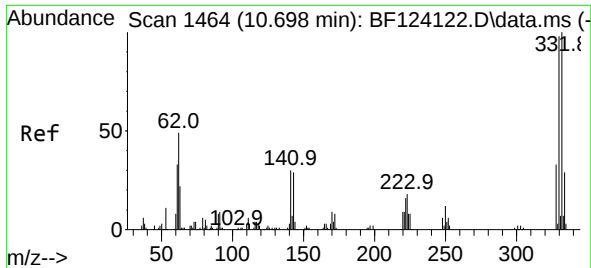
Tgt Ion: 82 Resp: 97002
Ion Ratio Lower Upper
82 100
95 0.5 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

Tgt Ion:164 Resp: 69842
Ion Ratio Lower Upper
164 100
162 104.4 80.7 121.1
160 42.4 37.3 55.9

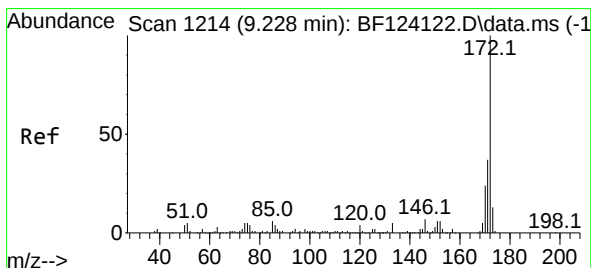
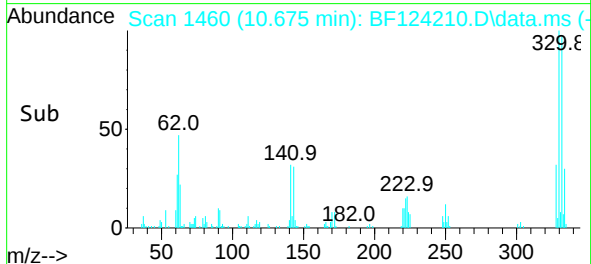
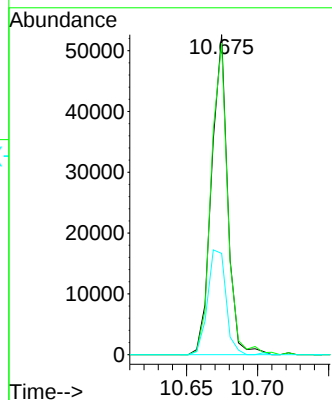
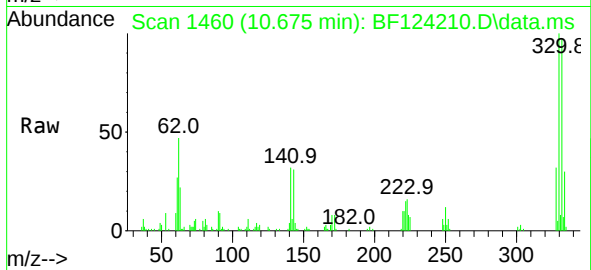




#42
2,4,6-Tribromophenol
Concen: 41.733 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

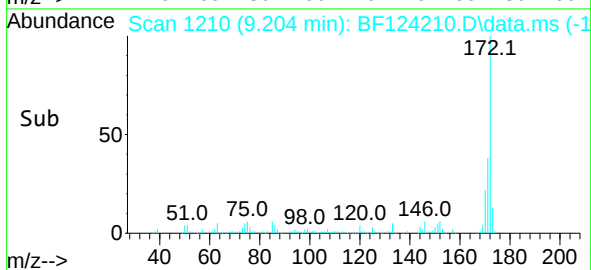
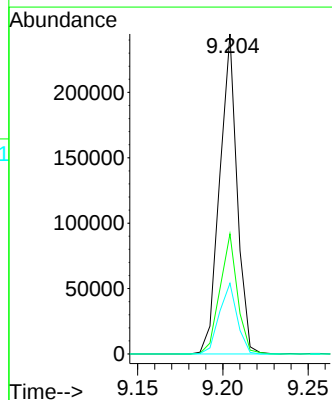
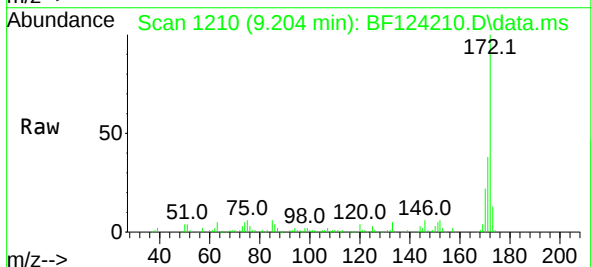
Instrument :
BNA_F
ClientSampleId :
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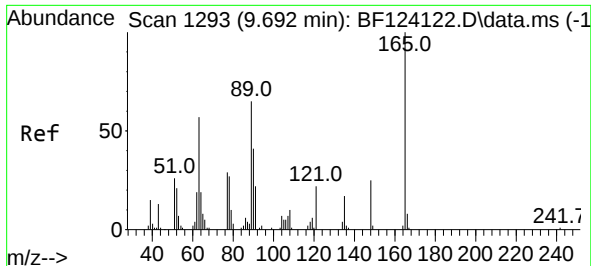
Tgt Ion:330 Resp: 41294
Ion Ratio Lower Upper
330 100
332 100.0 77.1 115.7
141 37.2 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 31.279 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

Tgt Ion:172 Resp: 173606
Ion Ratio Lower Upper
172 100
171 37.5 28.1 42.1
170 22.1 19.2 28.8

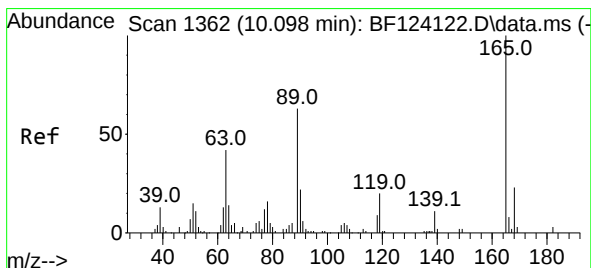
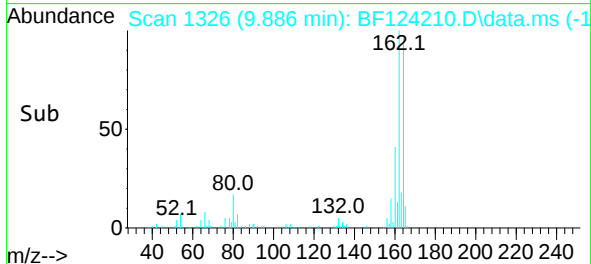
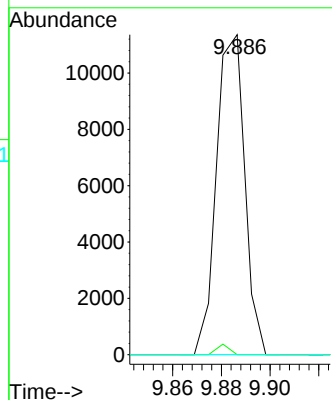
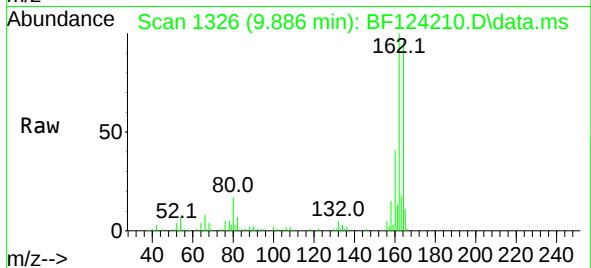




#51
2,6-Dinitrotoluene
Concen: 6.918 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.206 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

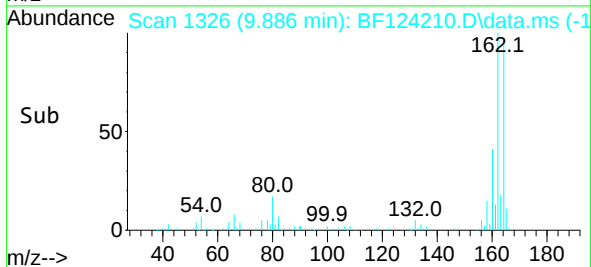
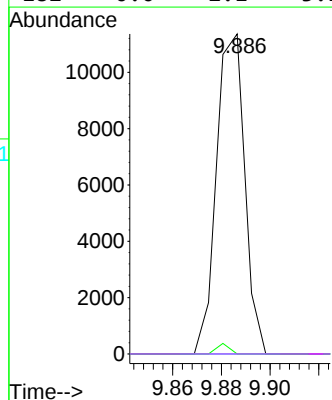
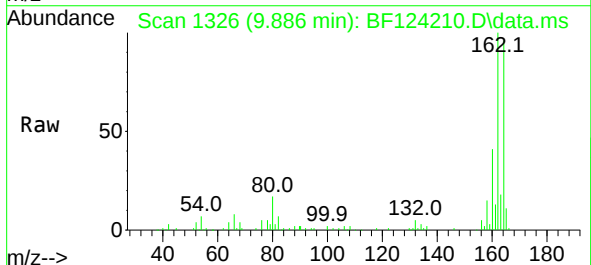
Instrument :
BNA_F
ClientSampled :
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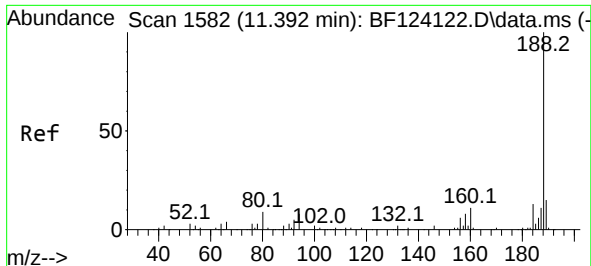
Tgt Ion:165 Resp: 9166
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.246 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

Tgt Ion:165 Resp: 9166
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

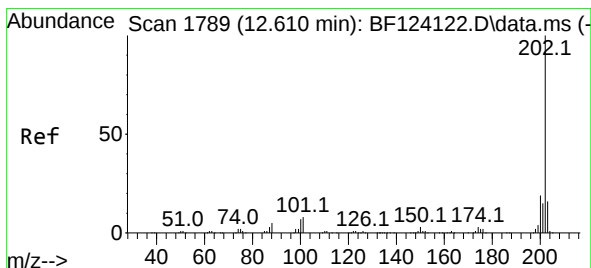
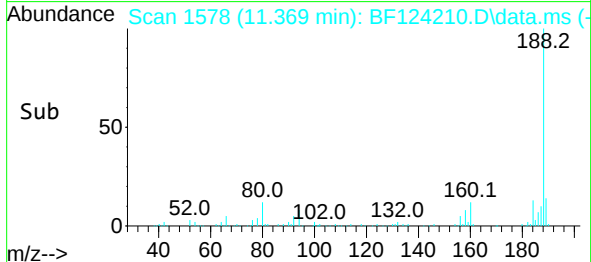
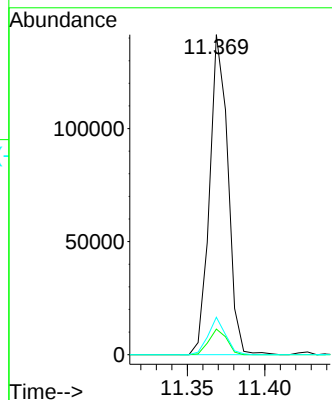
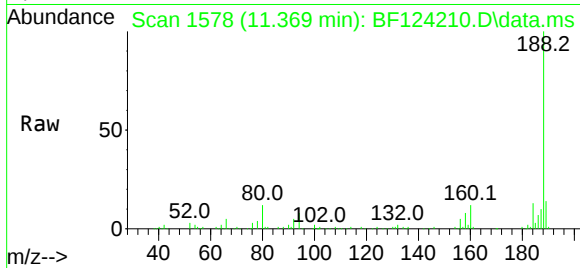




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

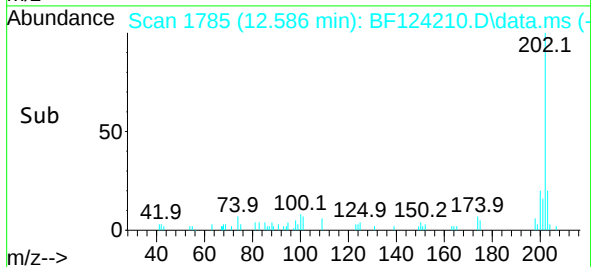
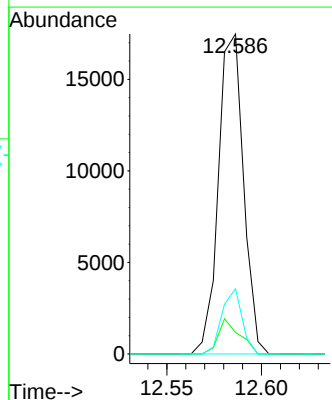
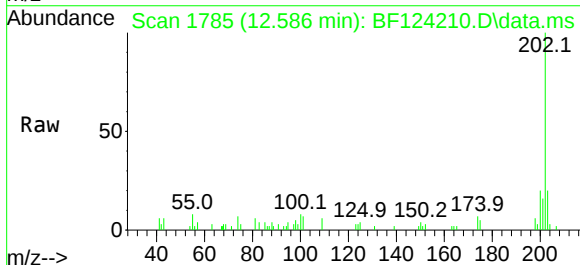
Instrument :
BNA_F
ClientSampled :
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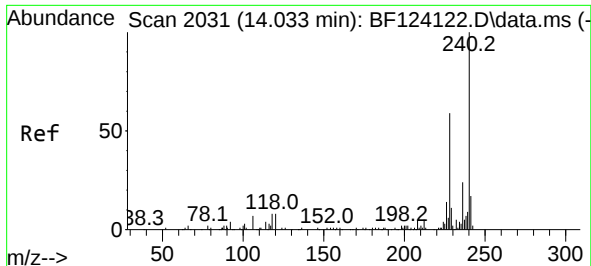
Tgt Ion:188 Resp: 116070
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 11.7 8.2 12.2



#75
Fluoranthene
Concen: 2.119 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

Tgt Ion:202 Resp: 16124
Ion Ratio Lower Upper
202 100
101 6.7 0.0 30.9
203 20.4 0.0 37.5

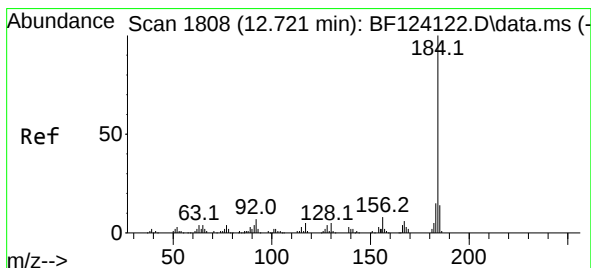
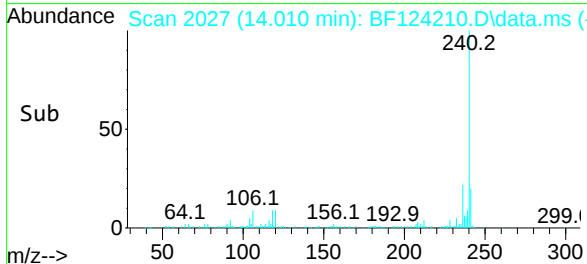
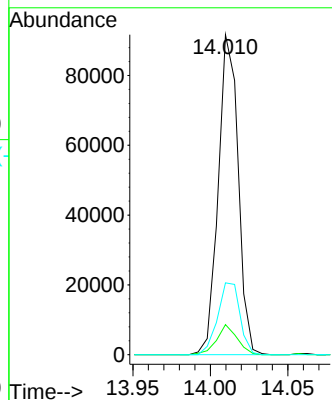
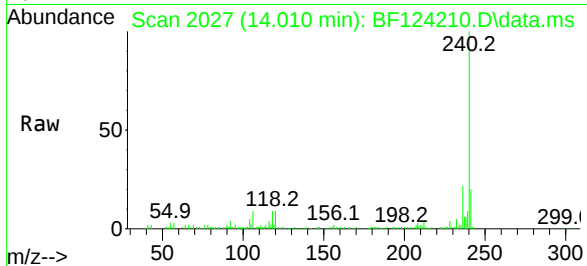




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.011 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

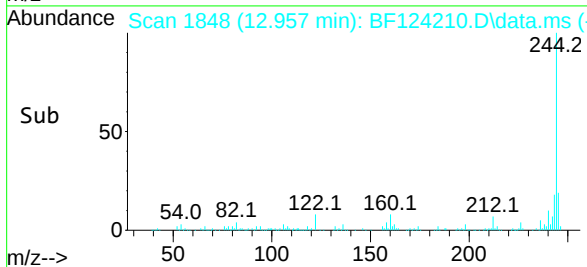
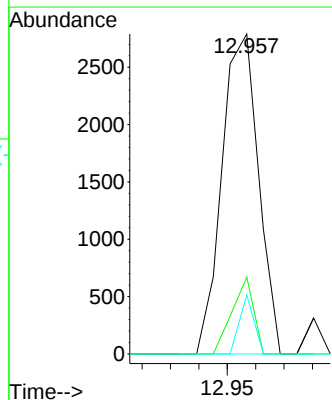
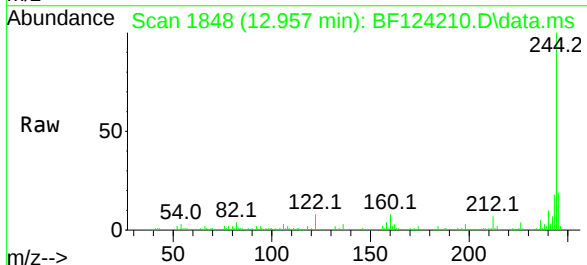
Instrument :
BNA_F
ClientSampled :
17

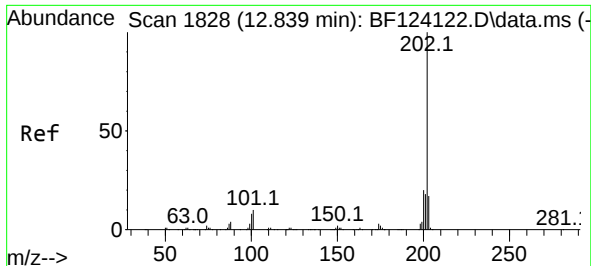
Tgt Ion:240 Resp: 81798
Ion Ratio Lower Upper
240 100
120 9.4 7.2 10.8
236 22.5 19.0 28.4



#77
Benzidine
Concen: 5.261 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.247 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

Tgt Ion:184 Resp: 2499
Ion Ratio Lower Upper
184 100
185 24.0 12.1 18.1#
183 18.5 7.8 11.8#

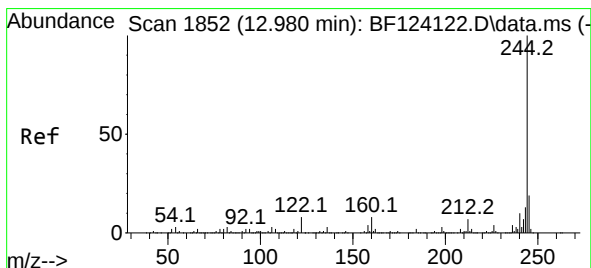
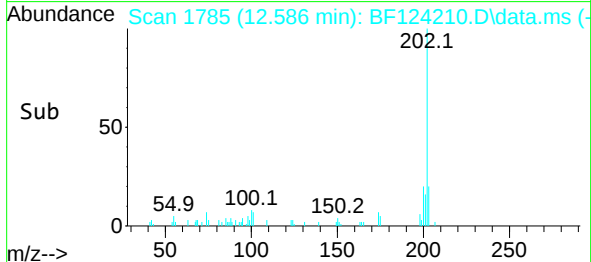
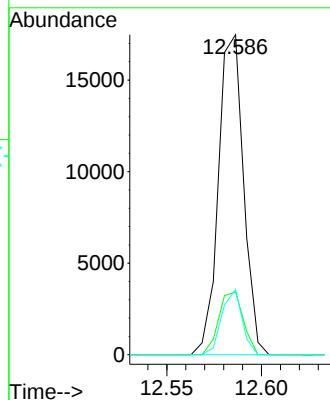
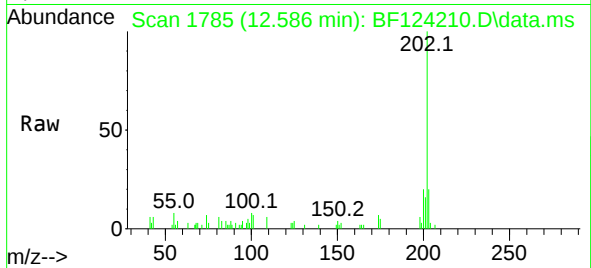




#78
Pyrene
Concen: 2.053 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.235 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

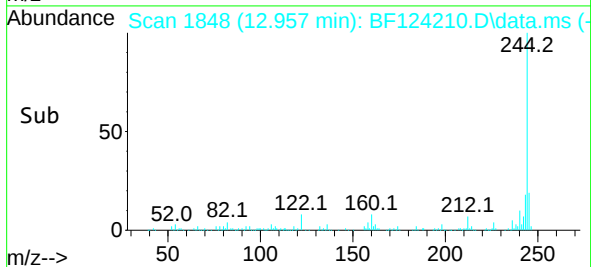
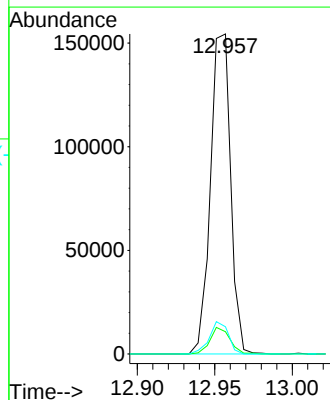
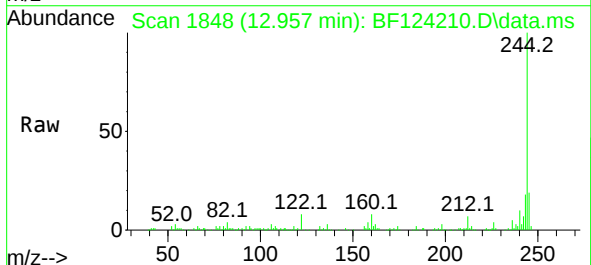
Instrument :
BNA_F
ClientSampleId :
17

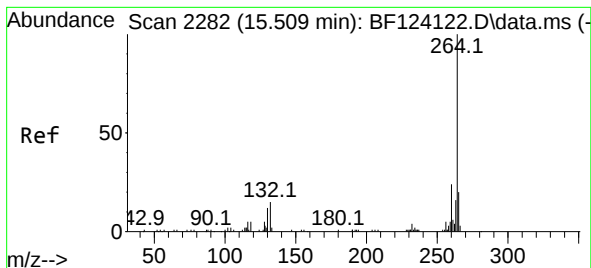
Tgt Ion:202 Resp: 16124
Ion Ratio Lower Upper
202 100
200 19.6 16.1 24.1
203 20.4 14.8 22.2



#79
Terphenyl-d14
Concen: 23.453 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

Tgt Ion:244 Resp: 139726
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 8.5 9.7 14.5#

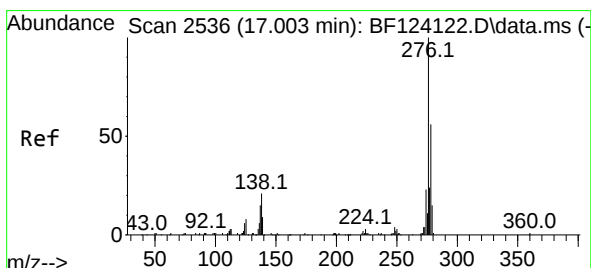
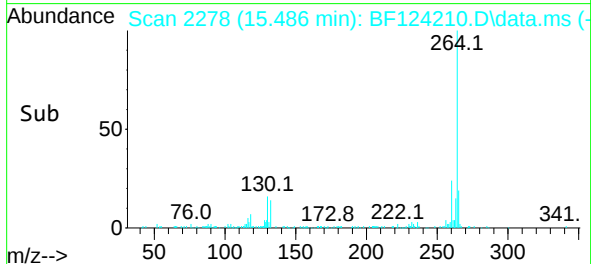
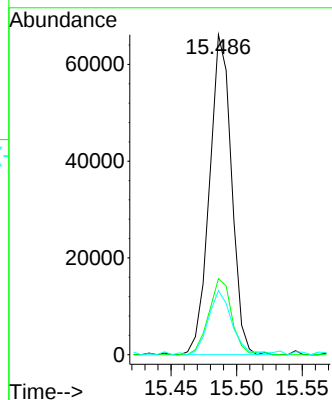
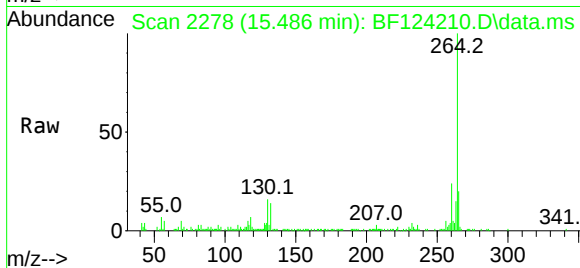




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

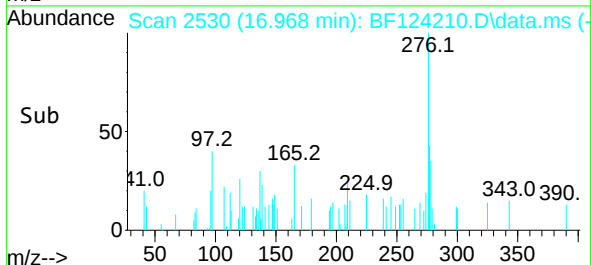
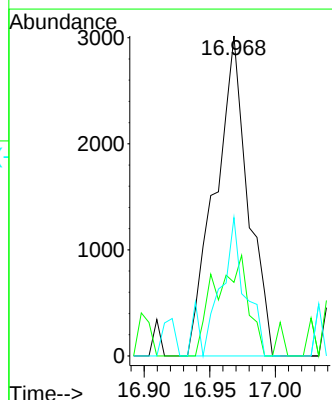
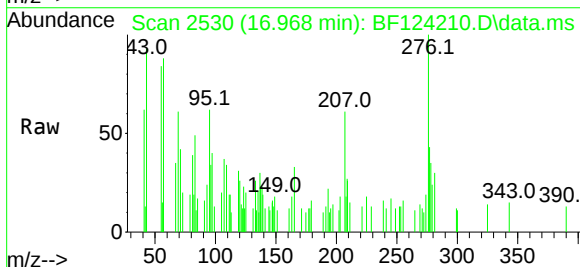
Instrument :
BNA_F
ClientSampleId :
17

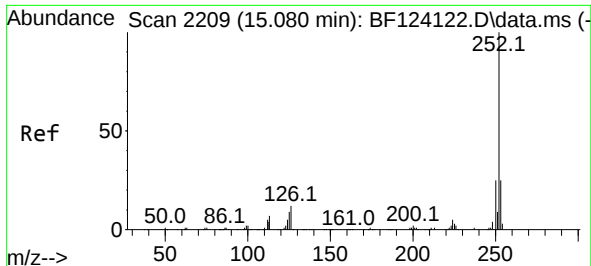
Tgt Ion:264 Resp: 77189
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 20.0 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.079 ng
RT: 16.968 min Scan# 2530
Delta R.T. -0.011 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

Tgt Ion:276 Resp: 5254
Ion Ratio Lower Upper
276 100
138 31.8 16.2 24.2#
277 34.4 20.1 30.1#

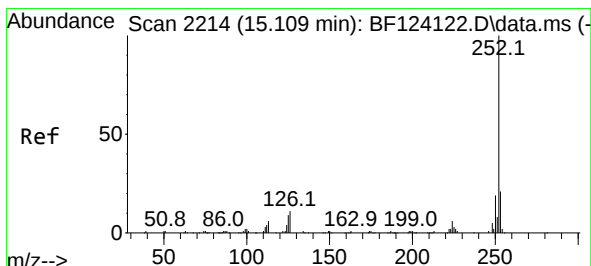
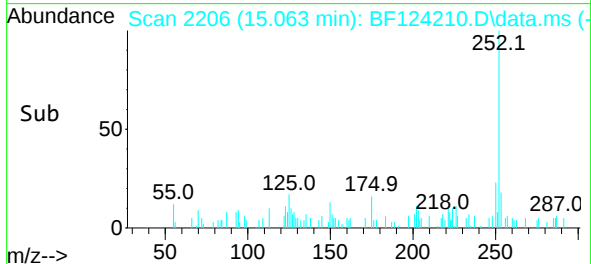
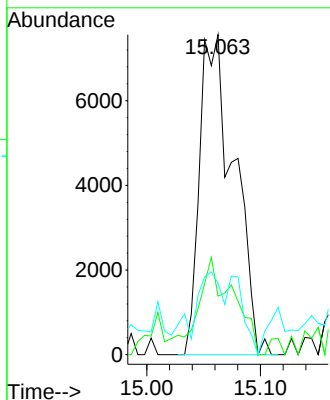
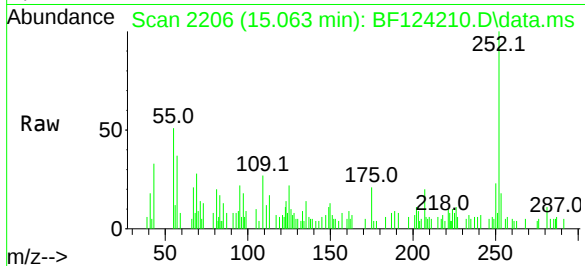




#88
Benzo(b)fluoranthene
Concen: 2.652 ng
RT: 15.063 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

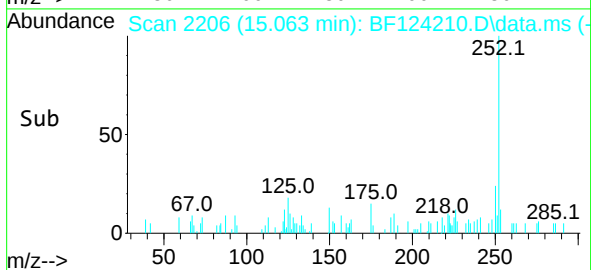
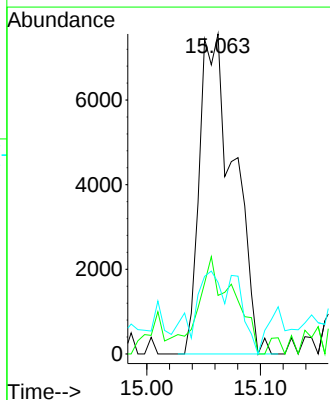
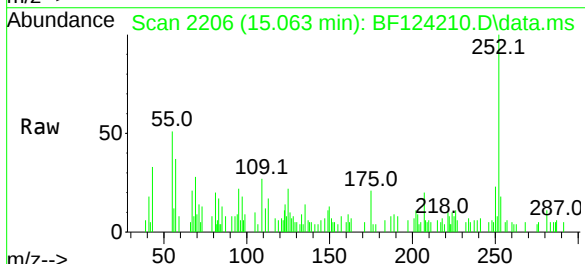
Instrument :
BNA_F
ClientSampleId :
17

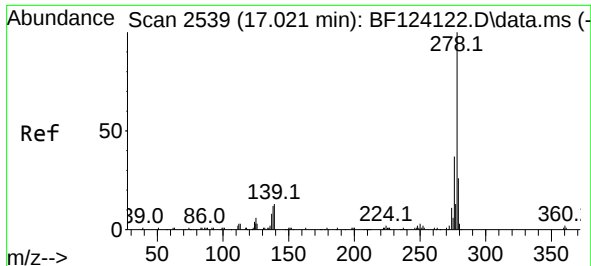
Tgt Ion:252 Resp: 15900
Ion Ratio Lower Upper
252 100
253 18.3 18.1 27.1
125 22.4 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 2.801 ng
RT: 15.063 min Scan# 2206
Delta R.T. -0.029 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

Tgt Ion:252 Resp: 15900
Ion Ratio Lower Upper
252 100
253 18.3 17.9 26.9
125 22.4 7.0 10.6#

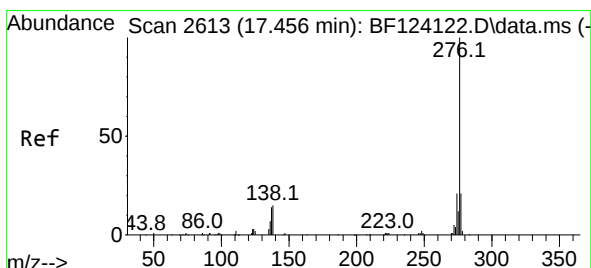
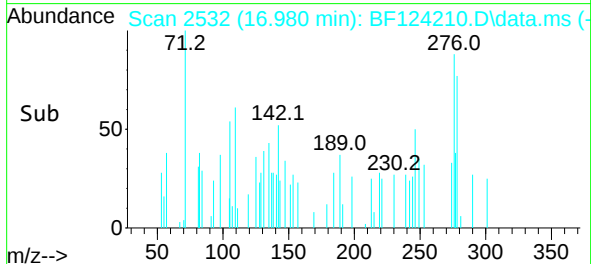
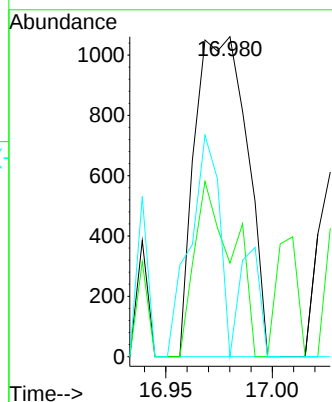
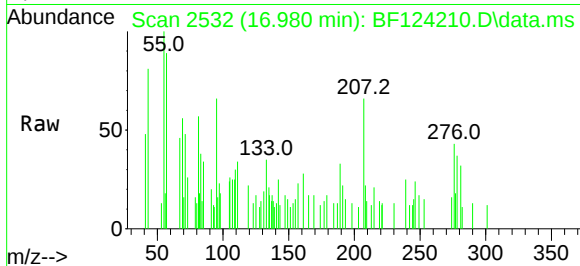




#91
Dibenzo(a,h)anthracene
Concen: 4.475 ng
RT: 16.980 min Scan# 2532
Delta R.T. -0.011 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

Instrument :
BNA_F
ClientSampleId :
17

Tgt Ion:278 Resp: 1800
Ion Ratio Lower Upper
278 100
139 29.2 10.2 15.2#
279 0.0 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 4.578 ng
RT: 17.415 min Scan# 2606
Delta R.T. -0.017 min
Lab File: BF124210.D
Acq: 9 Jun 2021 15:49

Tgt Ion:276 Resp: 4530
Ion Ratio Lower Upper
276 100
277 16.7 18.2 27.2#
138 15.7 13.8 20.6

