

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
 Data File : BF124249.D
 Acq On : 11 Jun 2021 00:09
 Operator : JU/CG
 Sample : M2644-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1894-1900

Quant Time: Jun 11 01:27:03 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

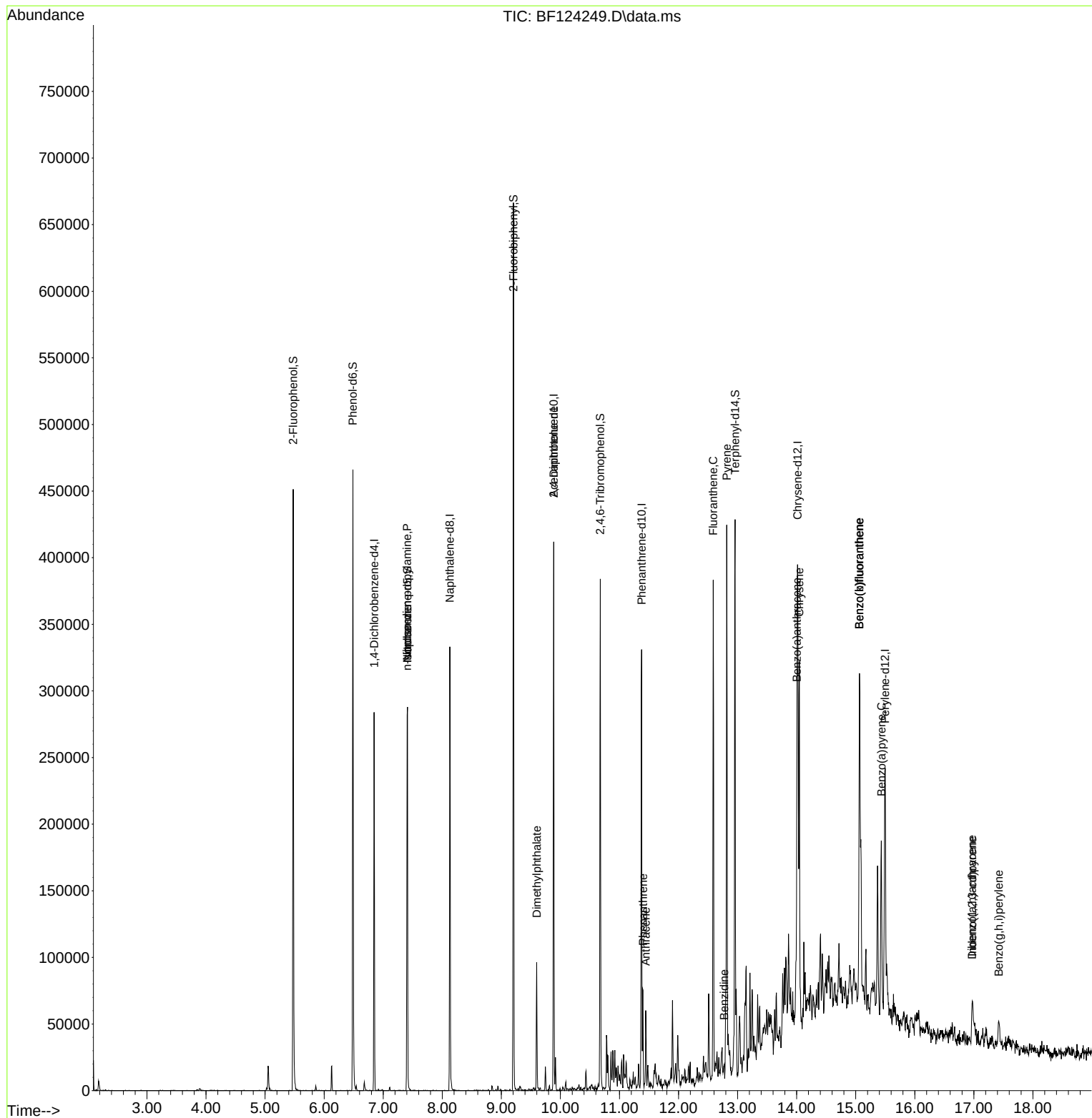
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	31774	20.00	ng	0.00
21) Naphthalene-d8	8.128	136	121627	20.00	ng	# 0.00
39) Acenaphthene-d10	9.886	164	71060	20.00	ng	0.00
64) Phenanthrene-d10	11.375	188	109254	20.00	ng	0.00
76) Chrysene-d12	14.016	240	85907	20.00	ng	0.00
86) Perylene-d12	15.498	264	79519	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	92857	43.99	ng	0.00
7) Phenol-d6	6.487	99	113414	39.97	ng	-0.01
23) Nitrobenzene-d5	7.410	82	91338	29.78	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	36720	36.47	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	160038	28.34	ng	0.00
79) Terphenyl-d14	12.957	244	119011	19.02	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	12086	6.03	ng	# 70
25) Isophorone	7.410	82	91336	16.53	ng	# 69
50) Dimethylphthalate	9.598	163	30669	5.22	ng	# 94
57) 2,4-Dinitrotoluene	9.886	165	10010	5.63	ng	# 21
71) Phenanthrene	11.398	178	27556	4.04	ng	97
72) Anthracene	11.445	178	19014	2.77	ng	96
75) Fluoranthene	12.586	202	133055	18.57	ng	97
77) Benzidine	12.774	184	109	4.11	ng	# 68
78) Pyrene	12.816	202	144789	17.55	ng	99
81) Benzo(a)anthracene	14.004	228	75165	12.01	ng	97
83) Chrysene	14.045	228	99709	16.51	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	17982	6.81	ng	96
88) Benzo(b)fluoranthene	15.063	252	144829	23.45	ng	# 95
89) Benzo(k)fluoranthene	15.063	252	144829	24.77	ng	96
90) Benzo(a)pyrene	15.433	252	52524	9.79	ng	# 97
91) Dibenzo(a,h)anthracene	16.968	278	2671	4.61	ng	# 73
92) Benzo(g,h,i)perylene	17.421	276	13863	6.10	ng	# 90

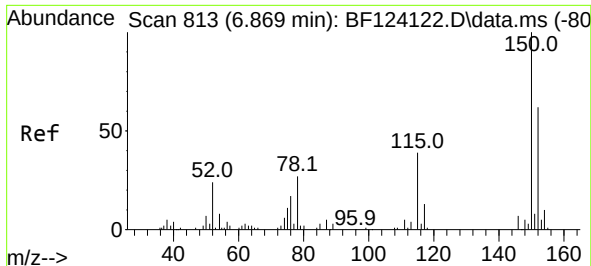
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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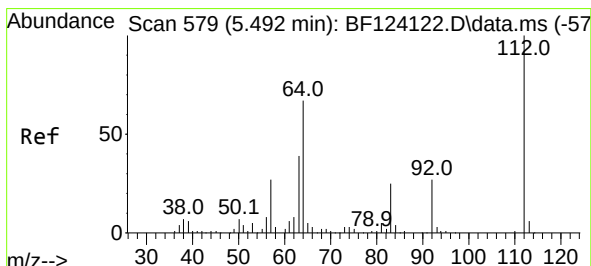
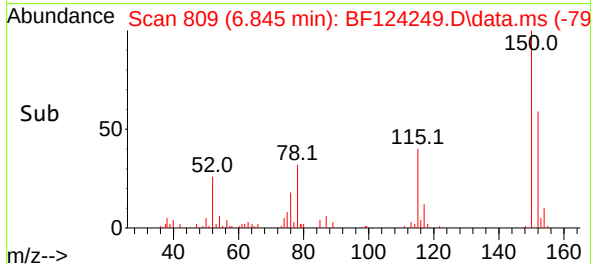
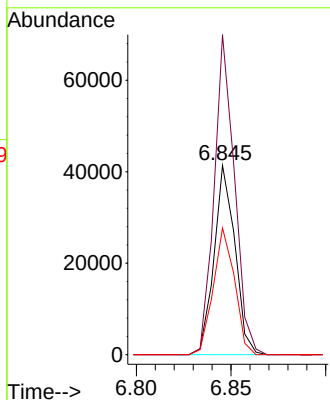
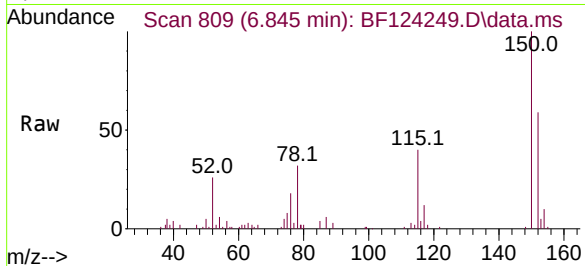




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

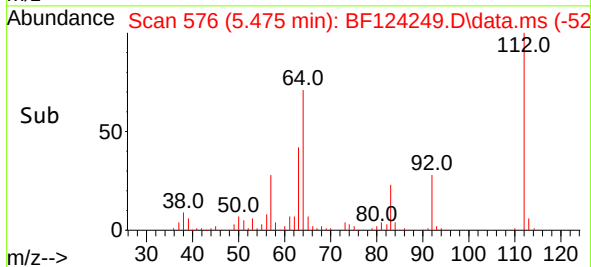
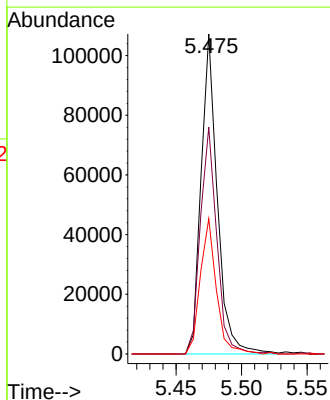
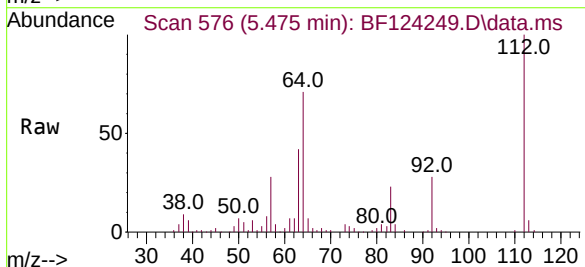
Instrument :
BNA_F
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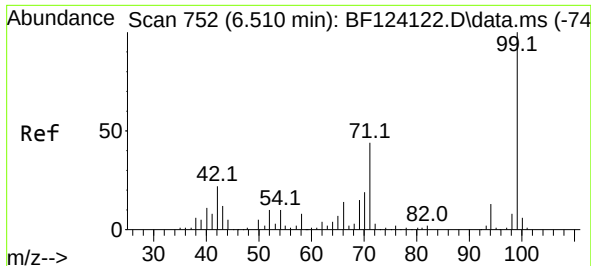
Tgt Ion:152 Resp: 31774
Ion Ratio Lower Upper
152 100
150 169.1 127.0 190.6
115 67.0 54.3 81.5



#5
2-Fluorophenol
Concen: 43.99 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

Tgt Ion:112 Resp: 92857
Ion Ratio Lower Upper
112 100
64 70.8 61.4 92.0
63 42.3 33.0 49.4

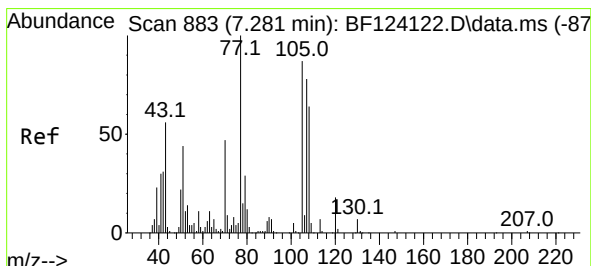
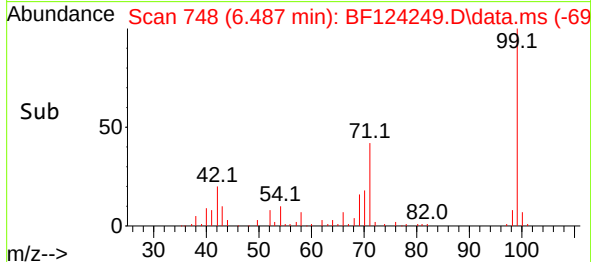
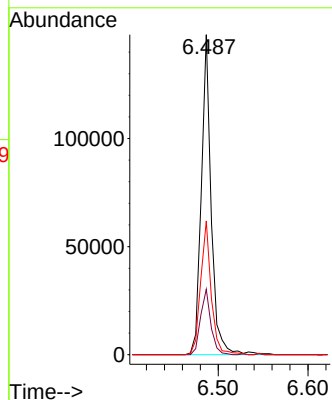
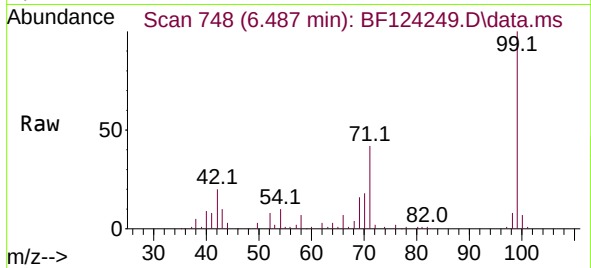




#7
Phenol-d6
Concen: 39.97 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

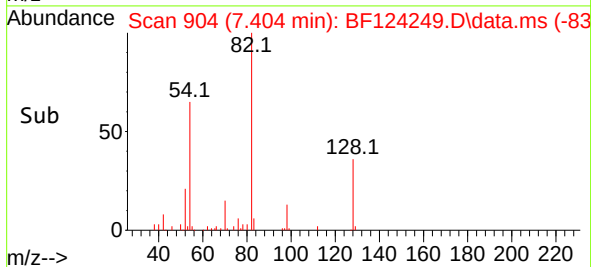
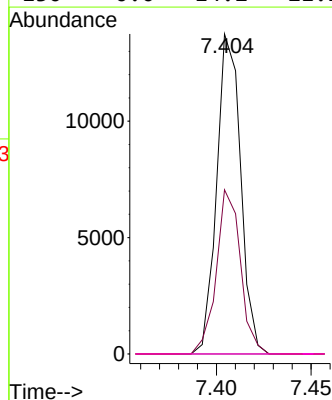
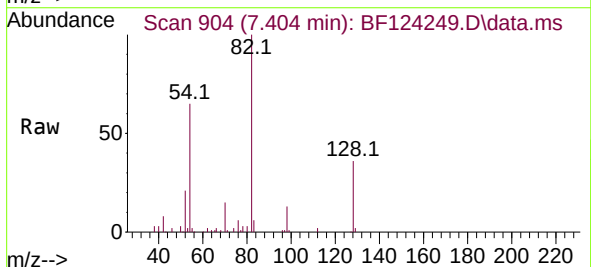
Instrument :
BNA_F
ClientSampleId :
1894-1900

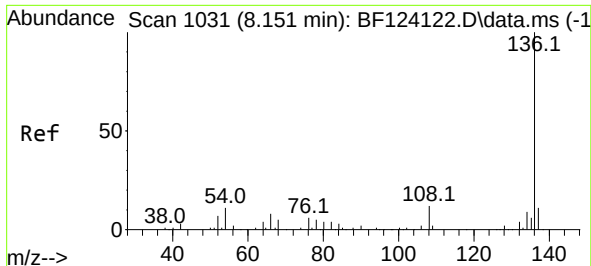
Tgt Ion: 99 Resp: 113414
Ion Ratio Lower Upper
99 100
42 20.4 19.8 29.8
71 41.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.03 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.136 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

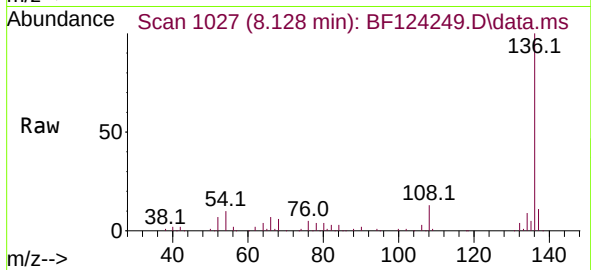
Tgt Ion: 70 Resp: 12086
Ion Ratio Lower Upper
70 100
42 51.3 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



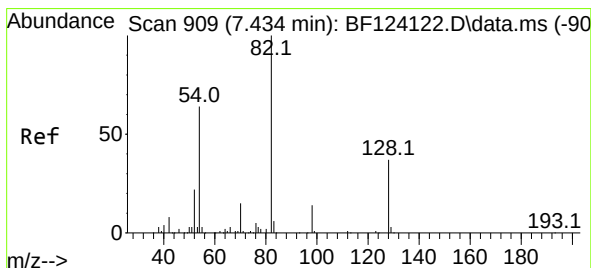
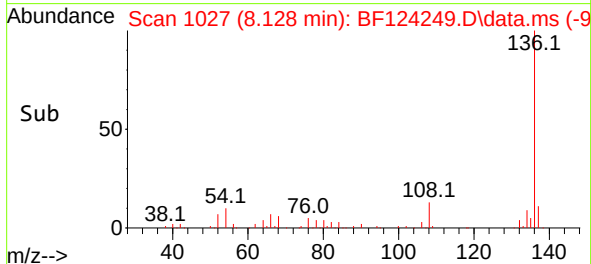
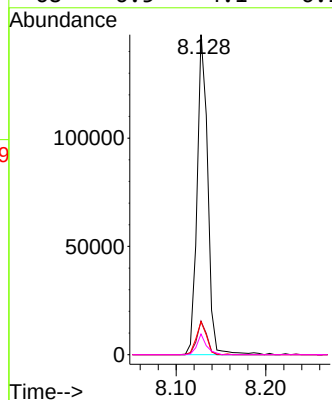


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

Instrument :
BNA_F
ClientSampleId :
1894-1900

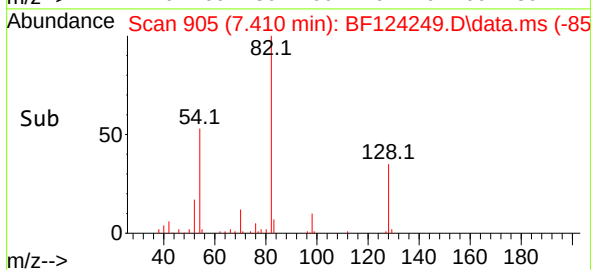
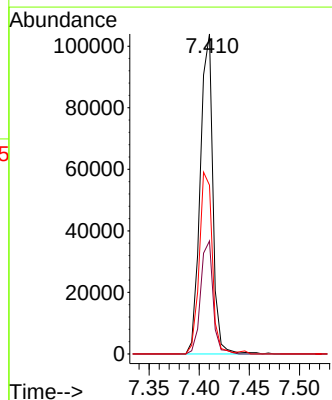
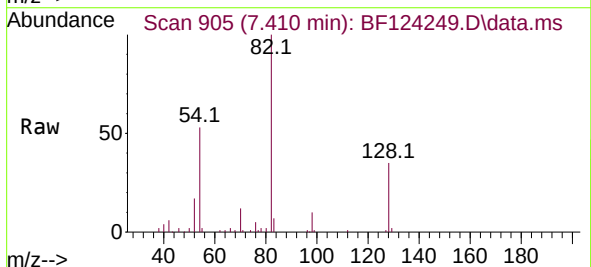


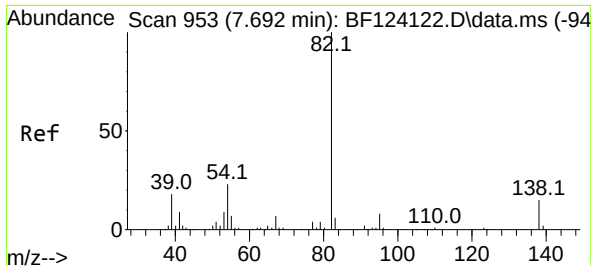
Tgt Ion:	136	Resp:	121627
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	10.3	9.8	14.6
68	6.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 29.78 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

Tgt Ion:	82	Resp:	91338
Ion	Ratio	Lower	Upper
82	100		
128	35.3	29.4	44.2
54	52.8	54.1	81.1

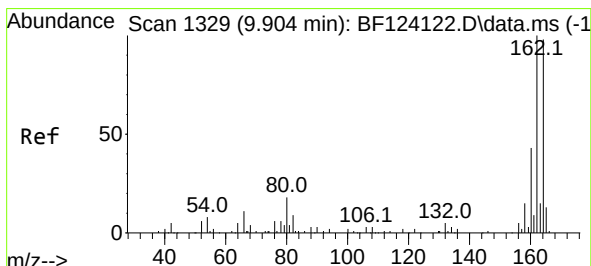
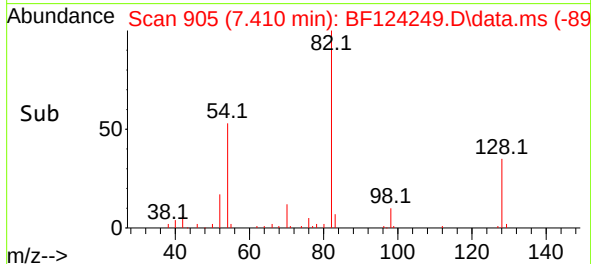
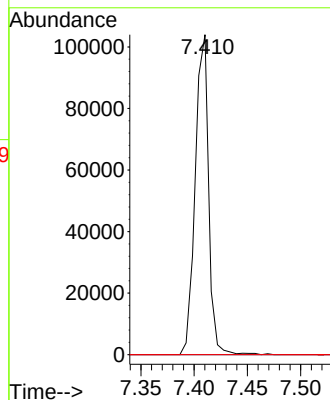
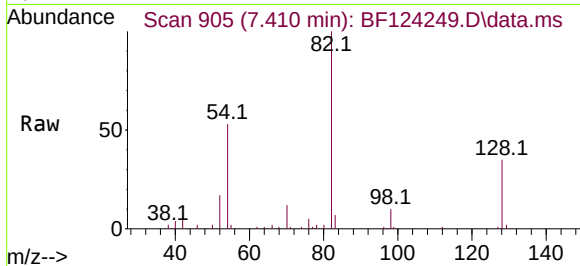




#25
Isophorone
Concen: 16.53 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.264 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

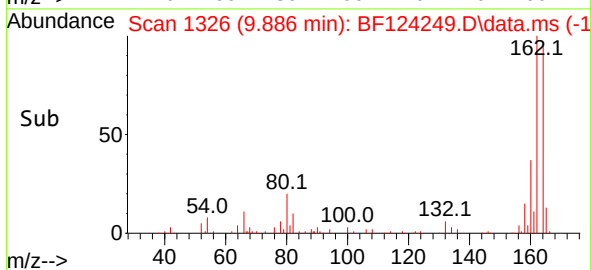
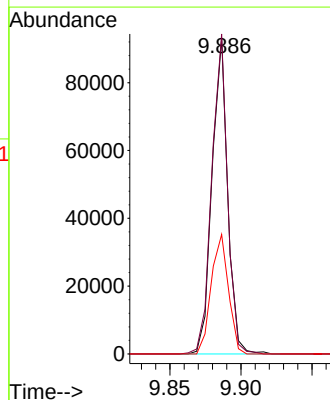
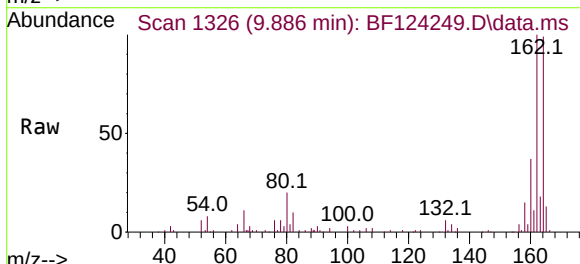
Instrument :
BNA_F
ClientSampleId :
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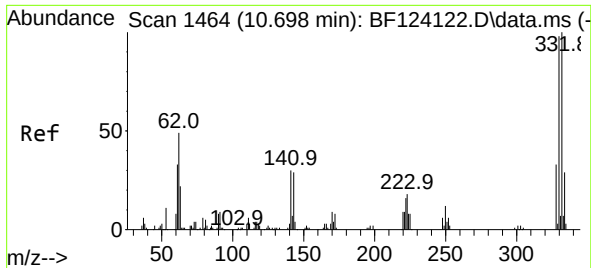
Tgt Ion: 82 Resp: 91336
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

Tgt Ion: 164 Resp: 71060
Ion Ratio Lower Upper
164 100
162 101.2 80.7 121.1
160 37.8 37.3 55.9

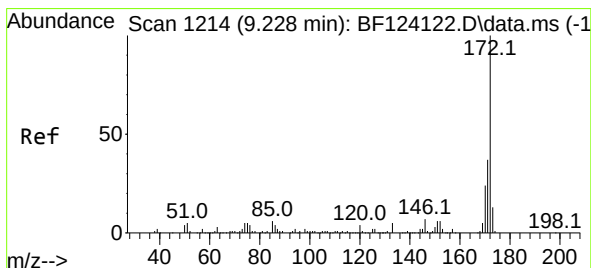
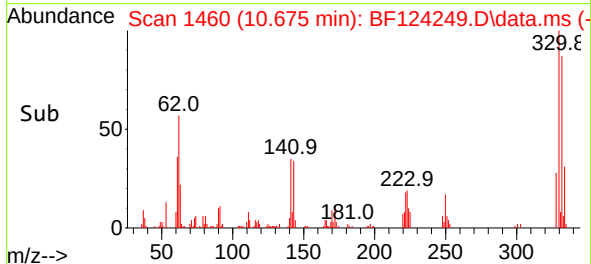
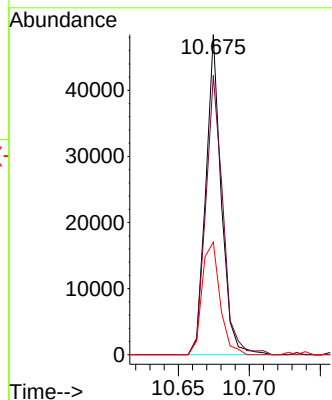
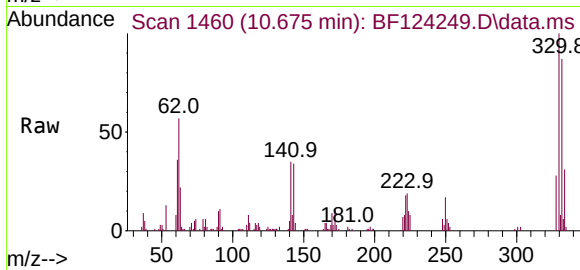




#42
2,4,6-Tribromophenol
Concen: 36.47 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

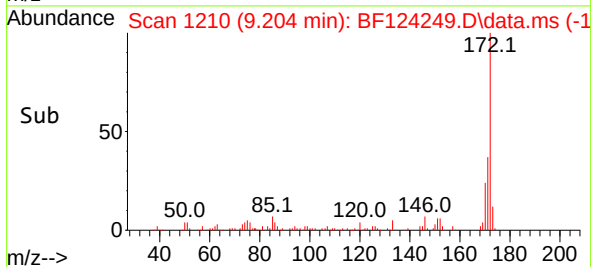
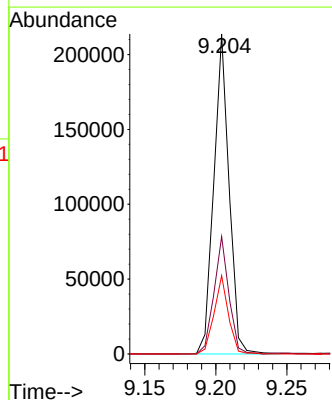
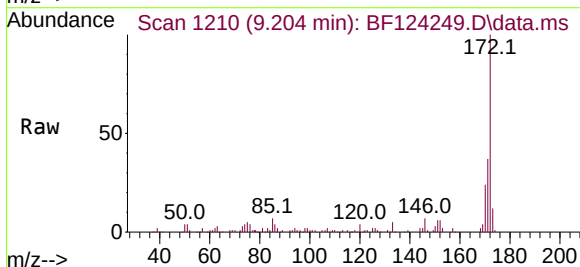
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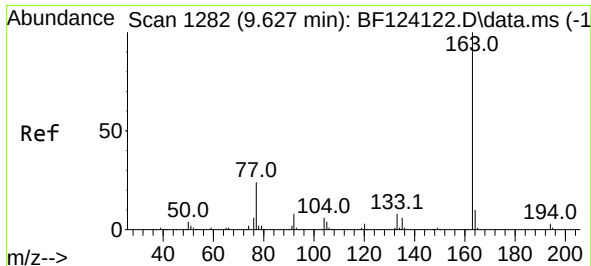
Tgt Ion: 330 Resp: 36720
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 40.7 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 28.34 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

Tgt Ion: 172 Resp: 160038
Ion Ratio Lower Upper
172 100
171 36.7 28.1 42.1
170 24.4 19.2 28.8

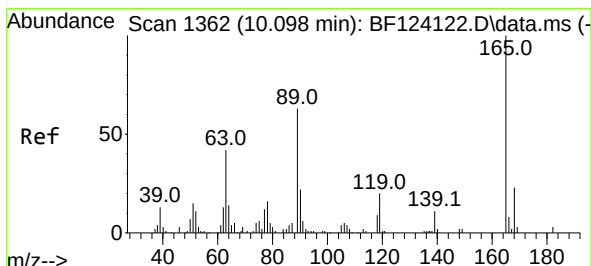
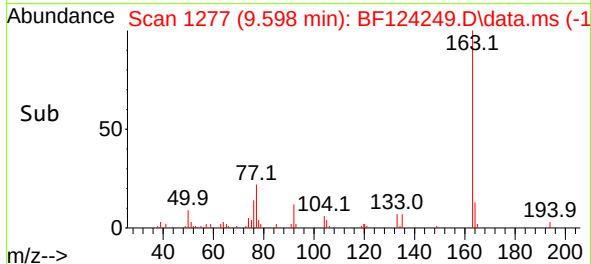
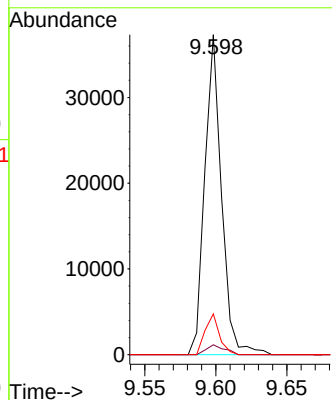
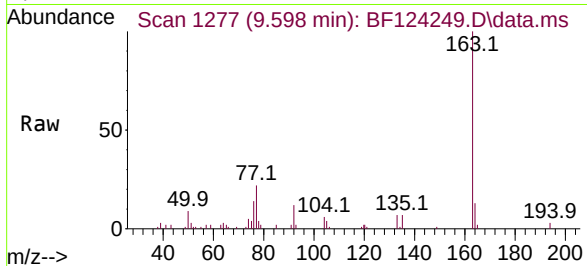




#50
Dimethylphthalate
Concen: 5.22 ng
RT: 9.598 min Scan# 1277
Delta R.T. -0.017 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

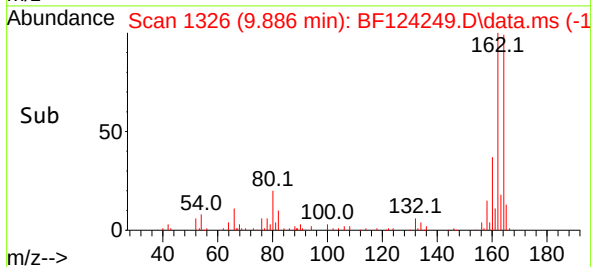
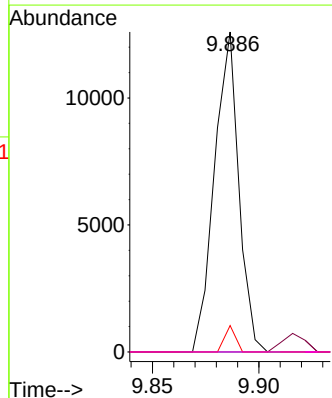
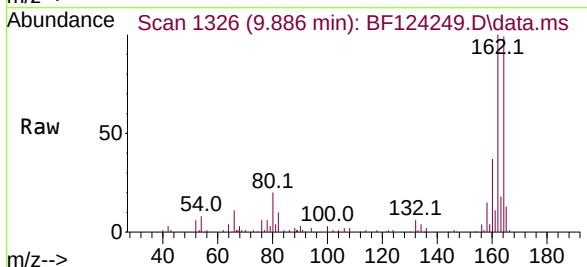
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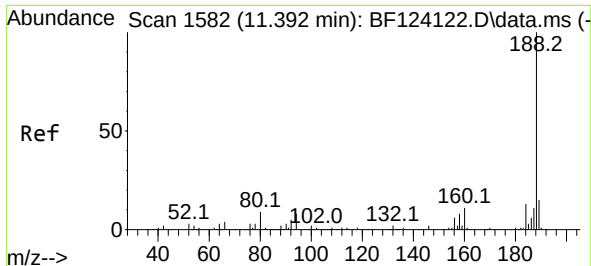
Tgt Ion:163 Resp: 30669
Ion Ratio Lower Upper
163 100
194 3.1 3.1 4.7#
164 12.8 8.2 12.2#



#57
2,4-Dinitrotoluene
Concen: 5.63 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

Tgt Ion:165 Resp: 10010
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 8.3 67.7 101.5#
182 0.0 2.1 3.1#

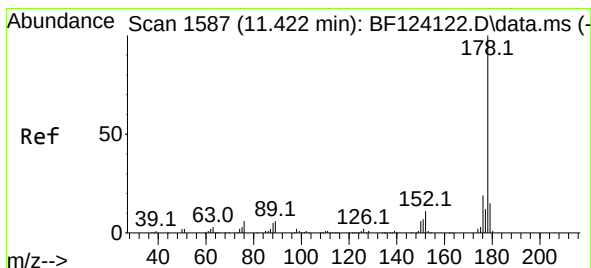
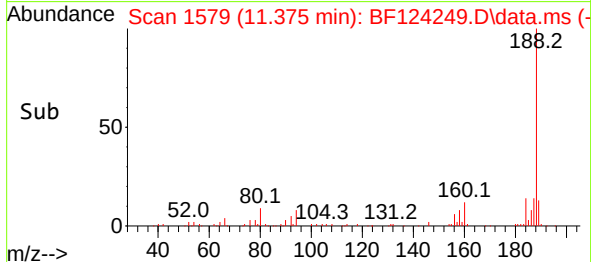
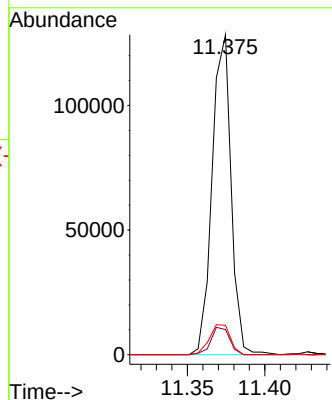
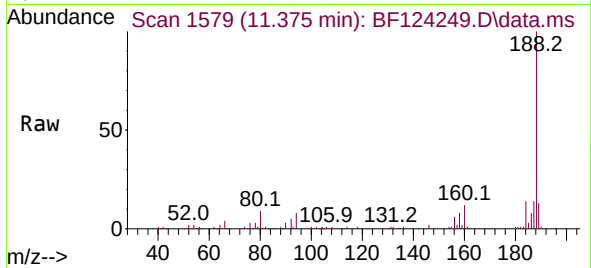




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

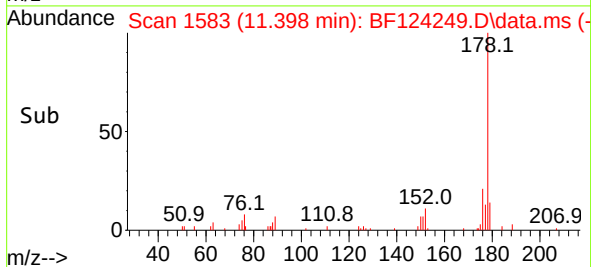
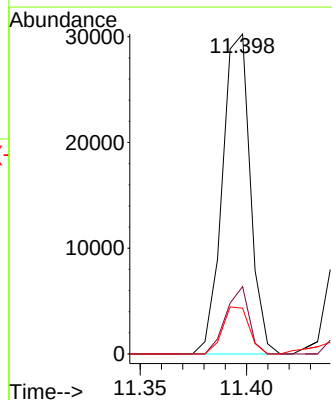
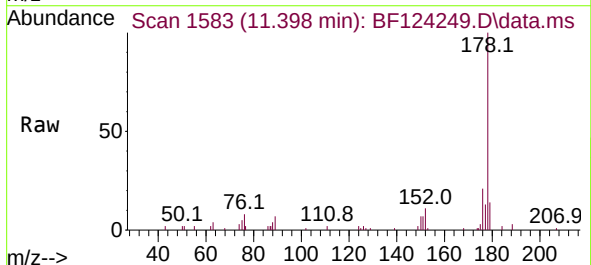
Instrument :
BNA_F
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1894-1900

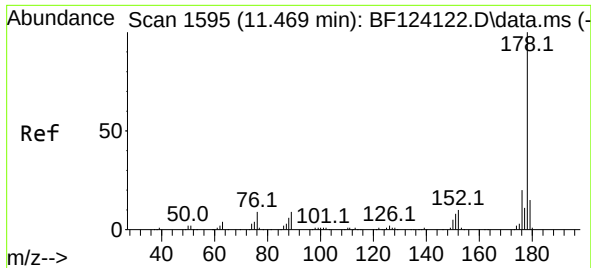
Tgt Ion:188 Resp: 109254
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 9.2 8.2 12.2



#71
Phenanthrene
Concen: 4.04 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

Tgt Ion:178 Resp: 27556
Ion Ratio Lower Upper
178 100
176 21.1 15.6 23.4
179 14.3 12.5 18.7

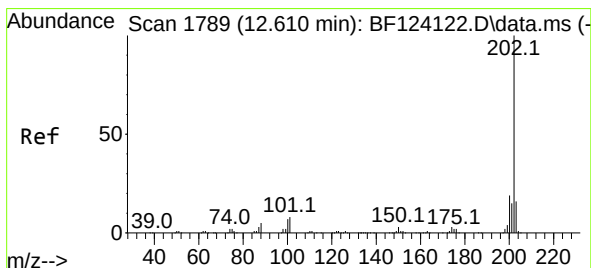
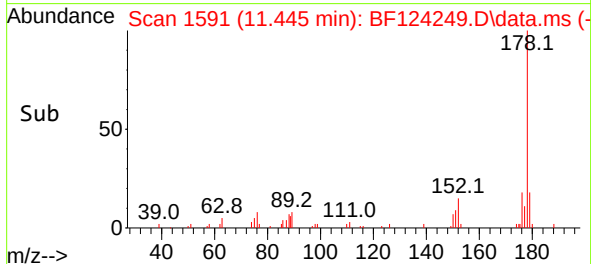
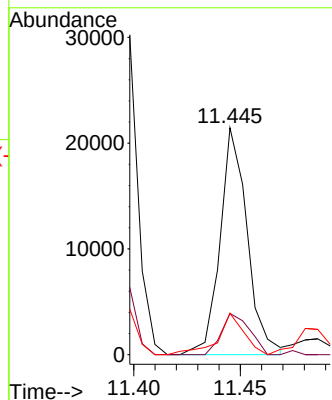
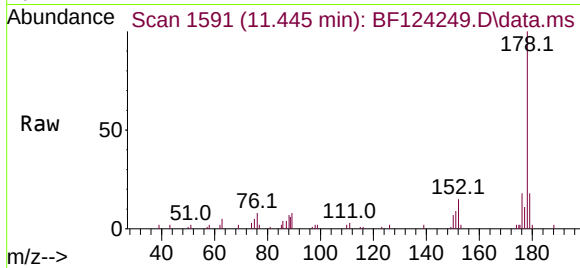




#72
 Anthracene
 Concen: 2.77 ng
 RT: 11.445 min Scan# 1591
 Delta R.T. -0.012 min
 Lab File: BF124249.D
 Acq: 11 Jun 2021 00:09

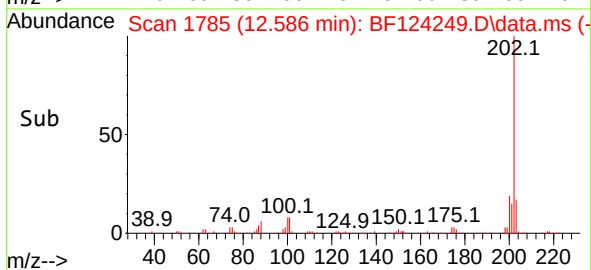
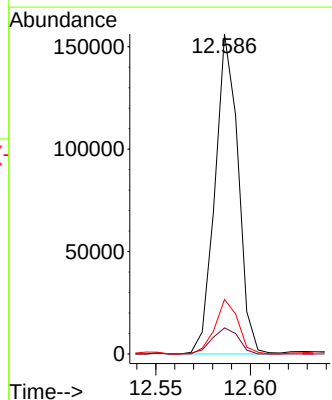
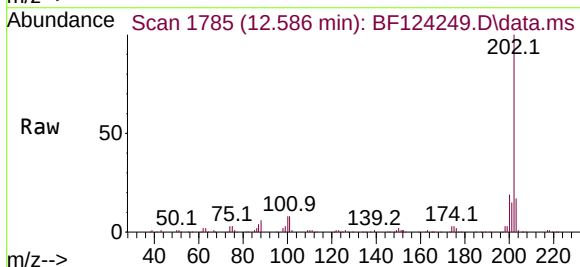
Instrument :
 BNA_F
 ClientSampleId :
 1894-1900

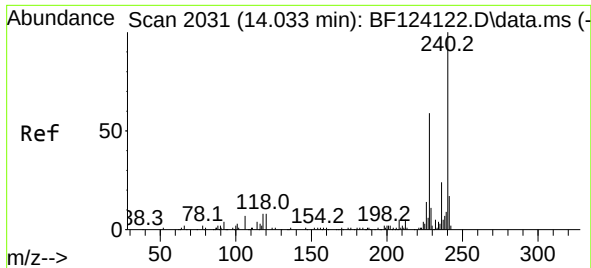
Tgt Ion:178	Resp:	19014
Ion Ratio	Lower	Upper
178	100	
176	18.2	15.4 23.0
179	18.3	12.6 18.8



#75
 Fluoranthene
 Concen: 18.57 ng
 RT: 12.586 min Scan# 1785
 Delta R.T. -0.006 min
 Lab File: BF124249.D
 Acq: 11 Jun 2021 00:09

Tgt Ion:202	Resp:	133055
Ion Ratio	Lower	Upper
202	100	
101	8.2	0.0 30.9
203	17.1	0.0 37.5

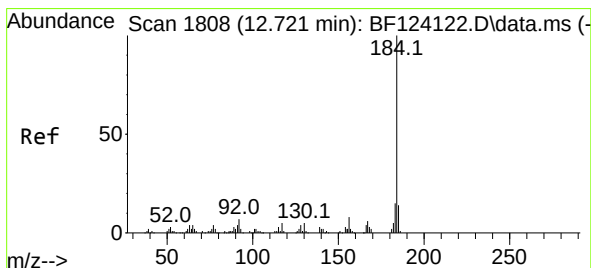
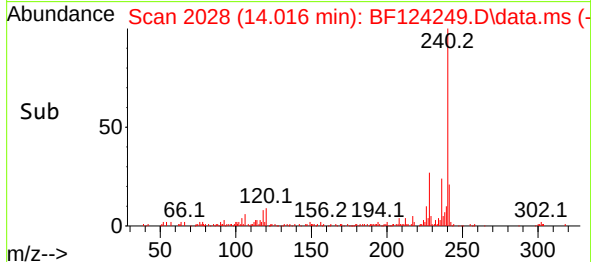
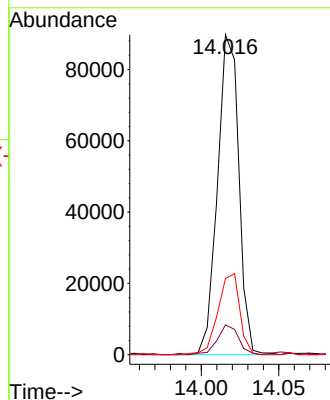
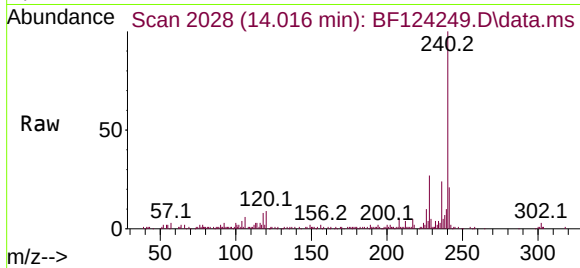




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

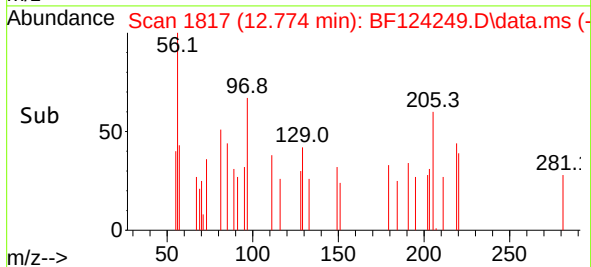
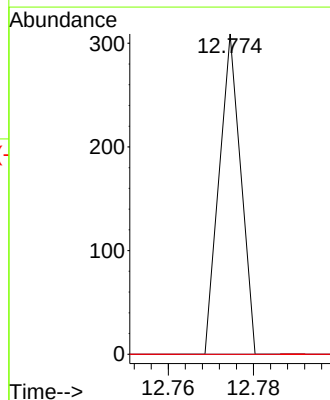
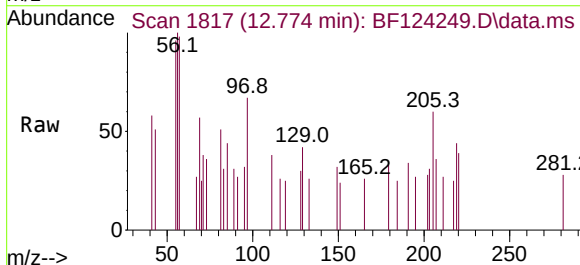
Instrument :
BNA_F
ClientSampleId :
1894-1900

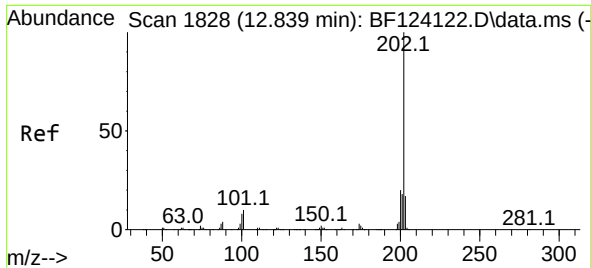
Tgt Ion:240 Resp: 85907
Ion Ratio Lower Upper
240 100
120 9.3 7.2 10.8
236 23.8 19.0 28.4



#77
Benzidine
Concen: 4.11 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.065 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

Tgt Ion:184 Resp: 109
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#

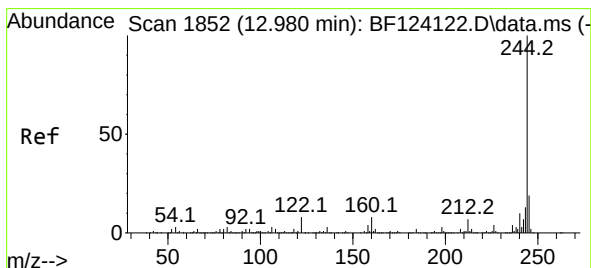
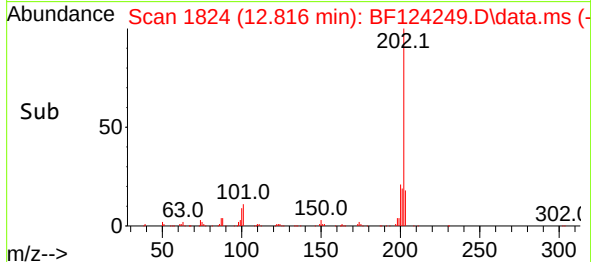
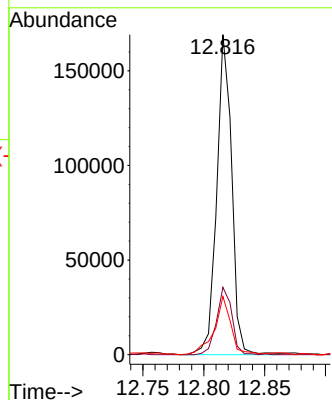
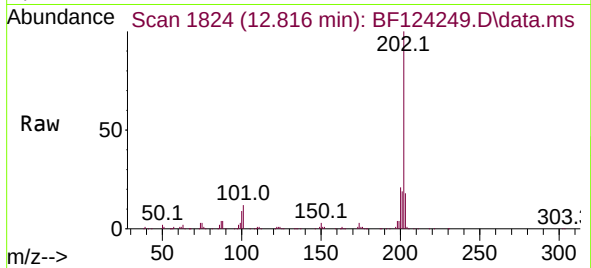




#78
Pyrene
Concen: 17.55 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

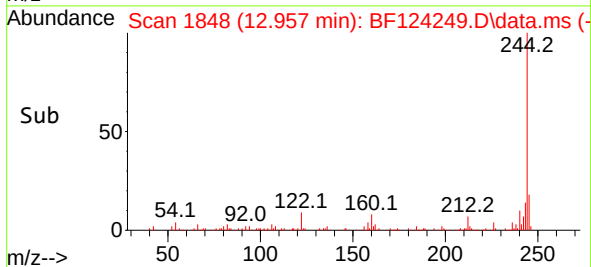
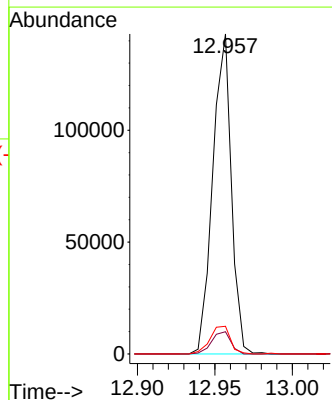
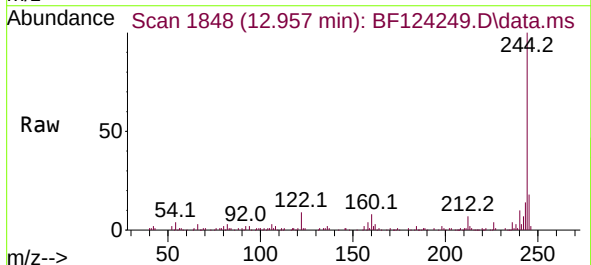
Instrument :
BNA_F
ClientSampleId :
1894-1900

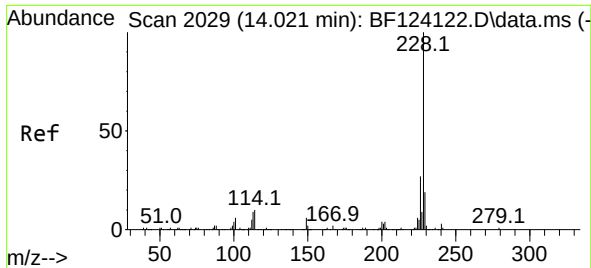
Tgt Ion:	202	Resp:	144789
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.1	24.1
203	18.2	14.8	22.2



#79
Terphenyl-d14
Concen: 19.02 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

Tgt Ion:	244	Resp:	119011
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.7	8.5
122	8.7	9.7	14.5

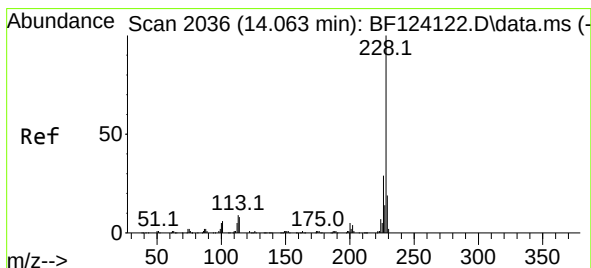
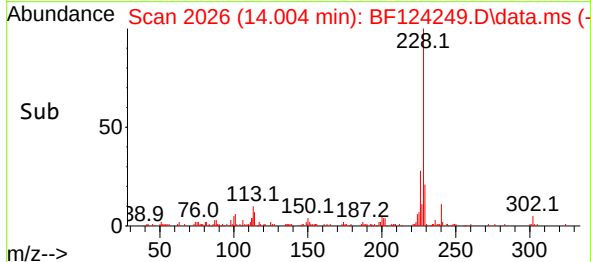
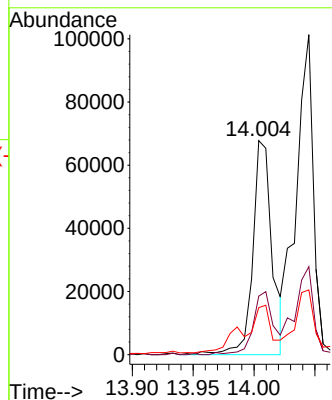
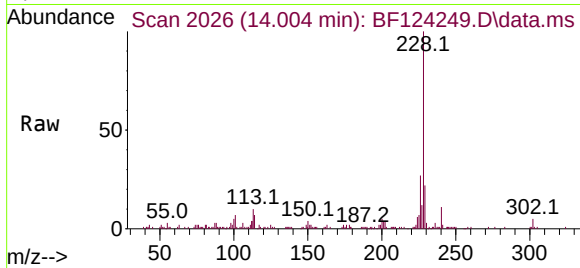




#81
Benzo(a)anthracene
Concen: 12.01 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

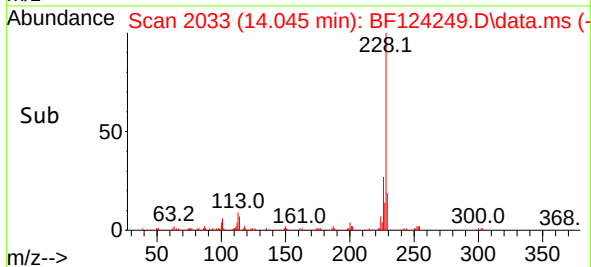
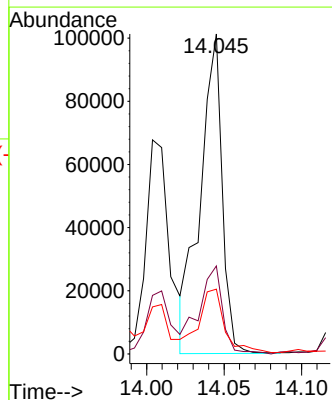
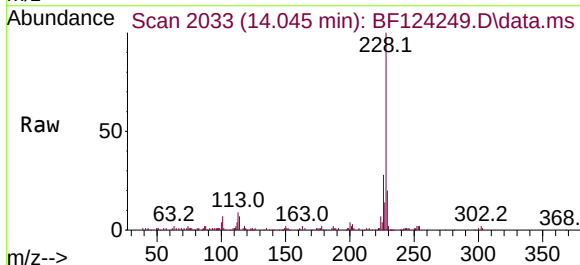
Instrument :
BNA_F
ClientSampleId :
1894-1900

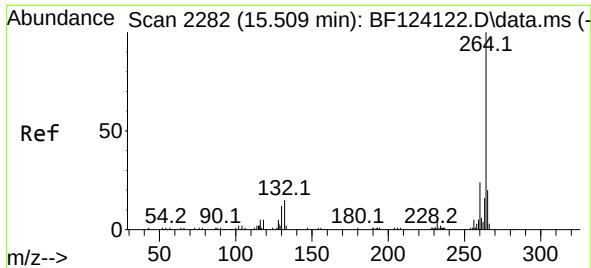
Tgt Ion:228	Resp:	75165
Ion Ratio	Lower	Upper
228	100	
226	27.3	22.4 33.6
229	22.0	16.0 24.0



#83
Chrysene
Concen: 16.51 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

Tgt Ion:228	Resp:	99709
Ion Ratio	Lower	Upper
228	100	
226	27.5	24.3 36.5
229	20.3	16.2 24.2

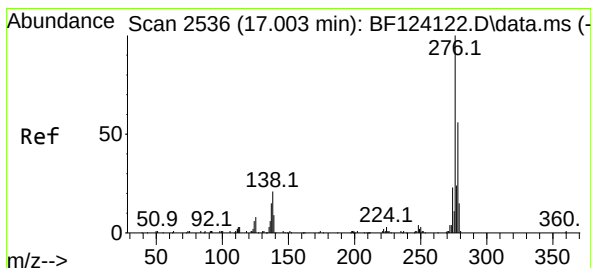
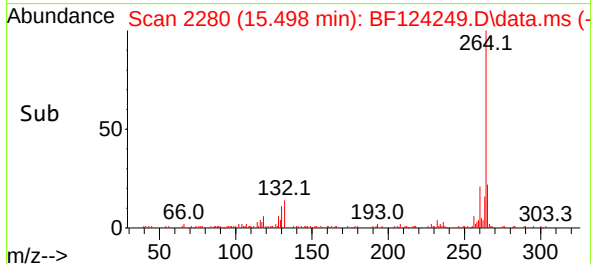
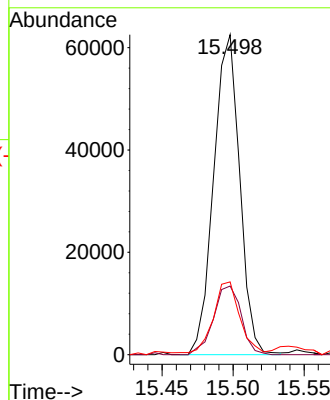
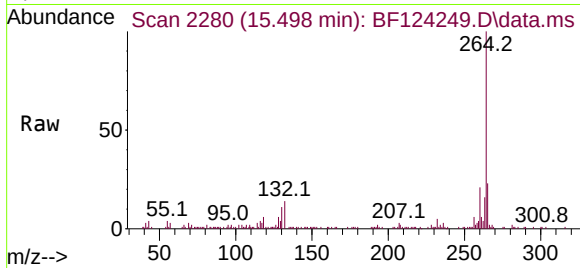




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

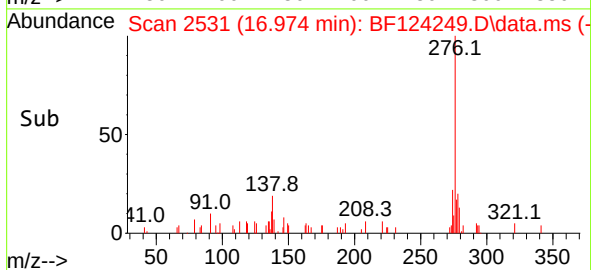
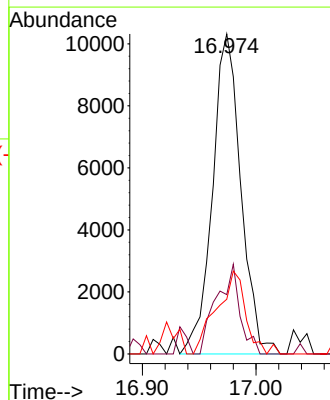
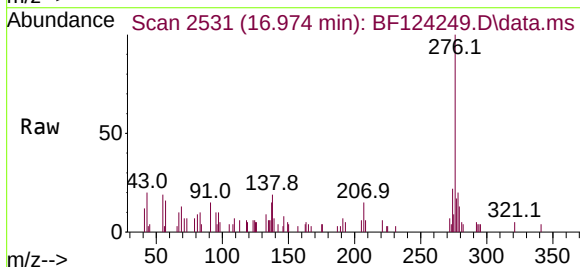
Instrument :
BNA_F
ClientSampleId :
1894-1900

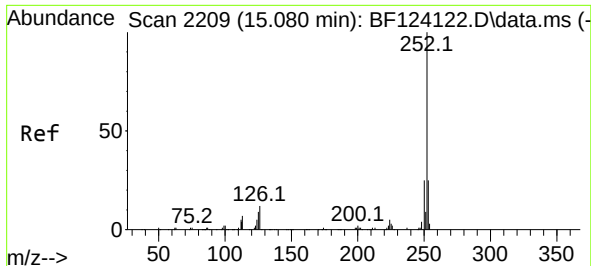
Tgt Ion:264 Resp: 79519
Ion Ratio Lower Upper
264 100
260 21.5 18.7 28.1
265 22.8 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.81 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.006 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

Tgt Ion:276 Resp: 17982
Ion Ratio Lower Upper
276 100
138 23.2 16.2 24.2
277 26.4 20.1 30.1

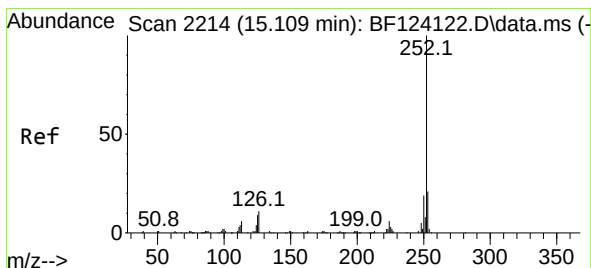
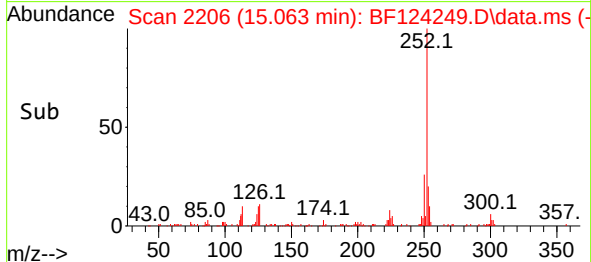
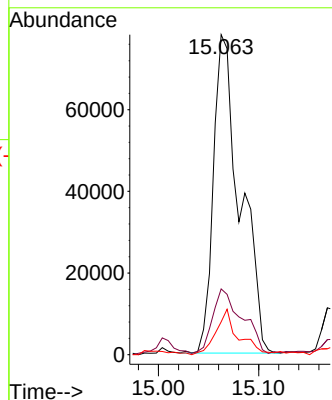
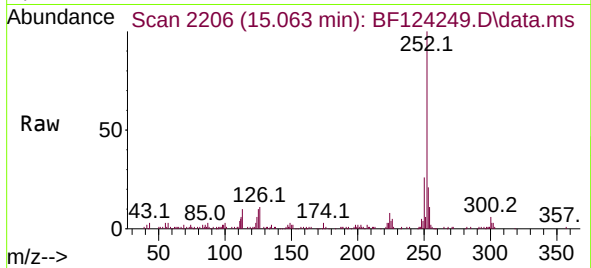




#88
Benzo(b)fluoranthene
Concen: 23.45 ng
RT: 15.063 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

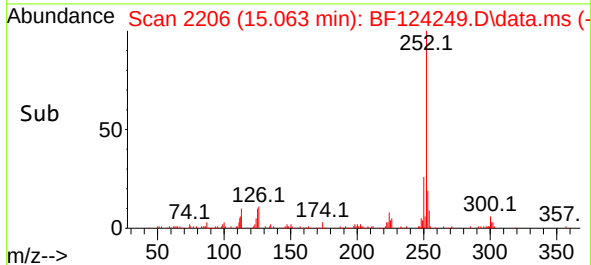
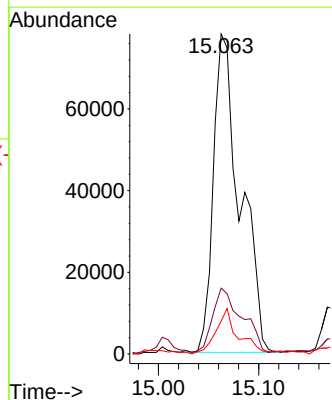
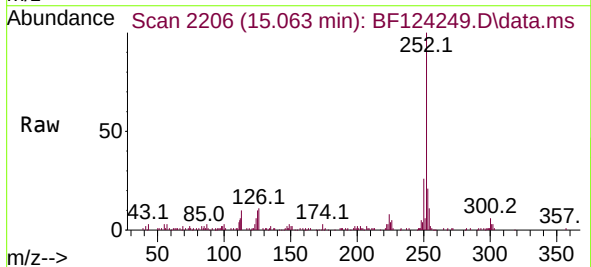
Instrument :
BNA_F
ClientSampleId :
1894-1900

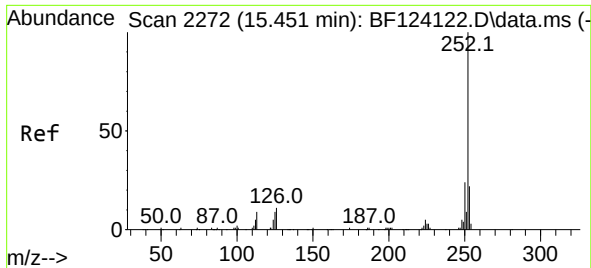
Tgt Ion:252 Resp: 144829
Ion Ratio Lower Upper
252 100
253 20.5 18.1 27.1
125 10.3 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 24.77 ng
RT: 15.063 min Scan# 2206
Delta R.T. -0.029 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

Tgt Ion:252 Resp: 144829
Ion Ratio Lower Upper
252 100
253 20.5 17.9 26.9
125 10.3 7.0 10.6

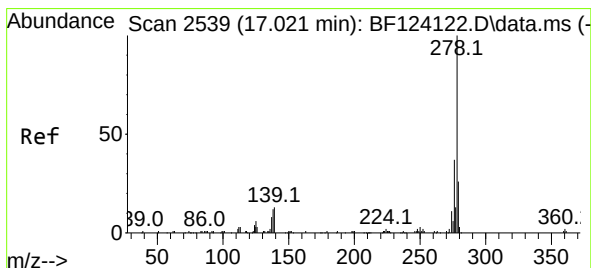
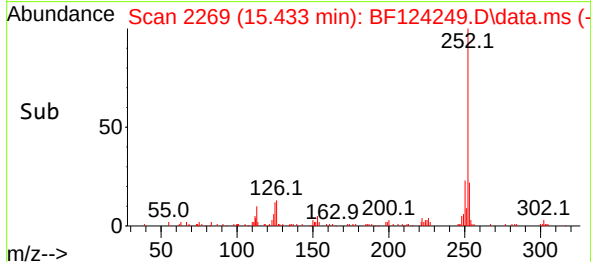
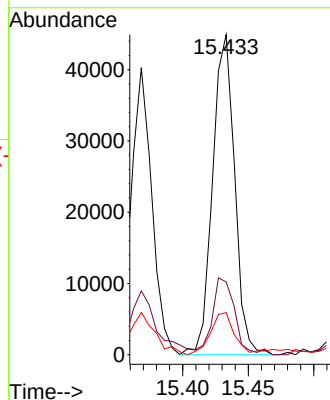
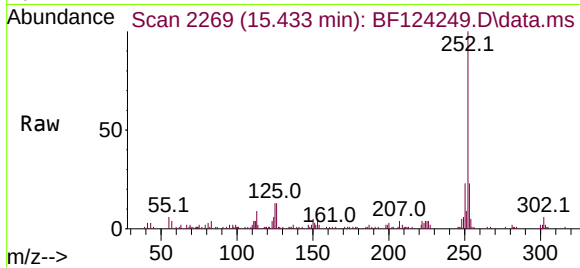




#90
Benzo(a)pyrene
Concen: 9.79 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

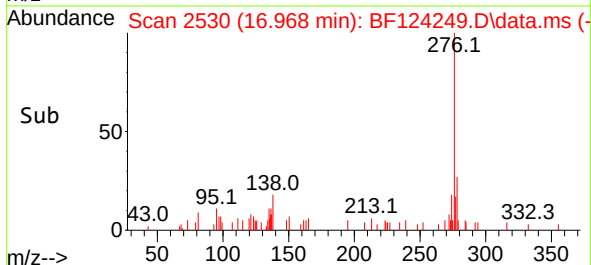
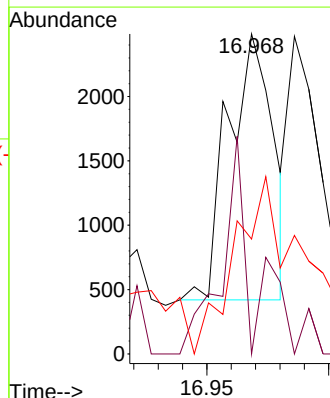
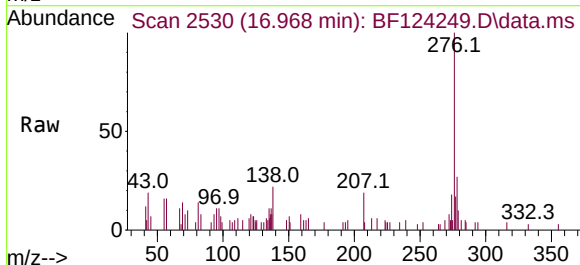
Instrument :
BNA_F
ClientSampleId :
1894-1900

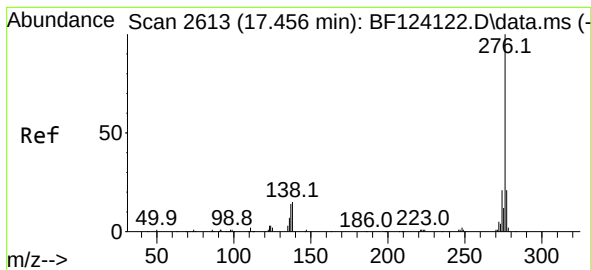
Tgt Ion:252 Resp: 52524
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 13.2 8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 4.61 ng
RT: 16.968 min Scan# 2530
Delta R.T. -0.023 min
Lab File: BF124249.D
Acq: 11 Jun 2021 00:09

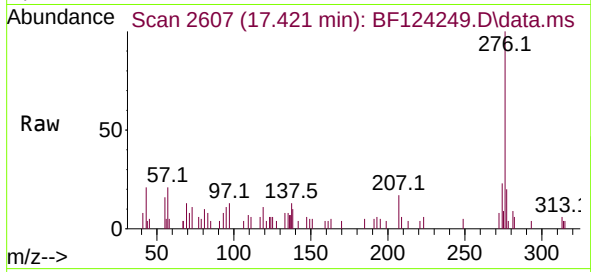
Tgt Ion:278 Resp: 2671
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 35.9 19.4 29.0#





#92
 Benzo(g,h,i)perylene
 Concen: 6.10 ng
 RT: 17.421 min Scan# 2607
 Delta R.T. -0.012 min
 Lab File: BF124249.D
 Acq: 11 Jun 2021 00:09

Instrument :
 BNA_F
 ClientSampleId :
 1894-1900



Tgt Ion	Ratio	Lower	Upper
276	100		
277	20.2	18.2	27.2
138	10.2	13.8	20.6#

