

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
 Data File : BF124532.D
 Acq On : 2 Jul 2021 22:47
 Operator : JU/CG
 Sample : M2913-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-D20

Quant Time: Jul 03 01:46:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 02 14:41:35 2021
 Response via : Initial Calibration

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

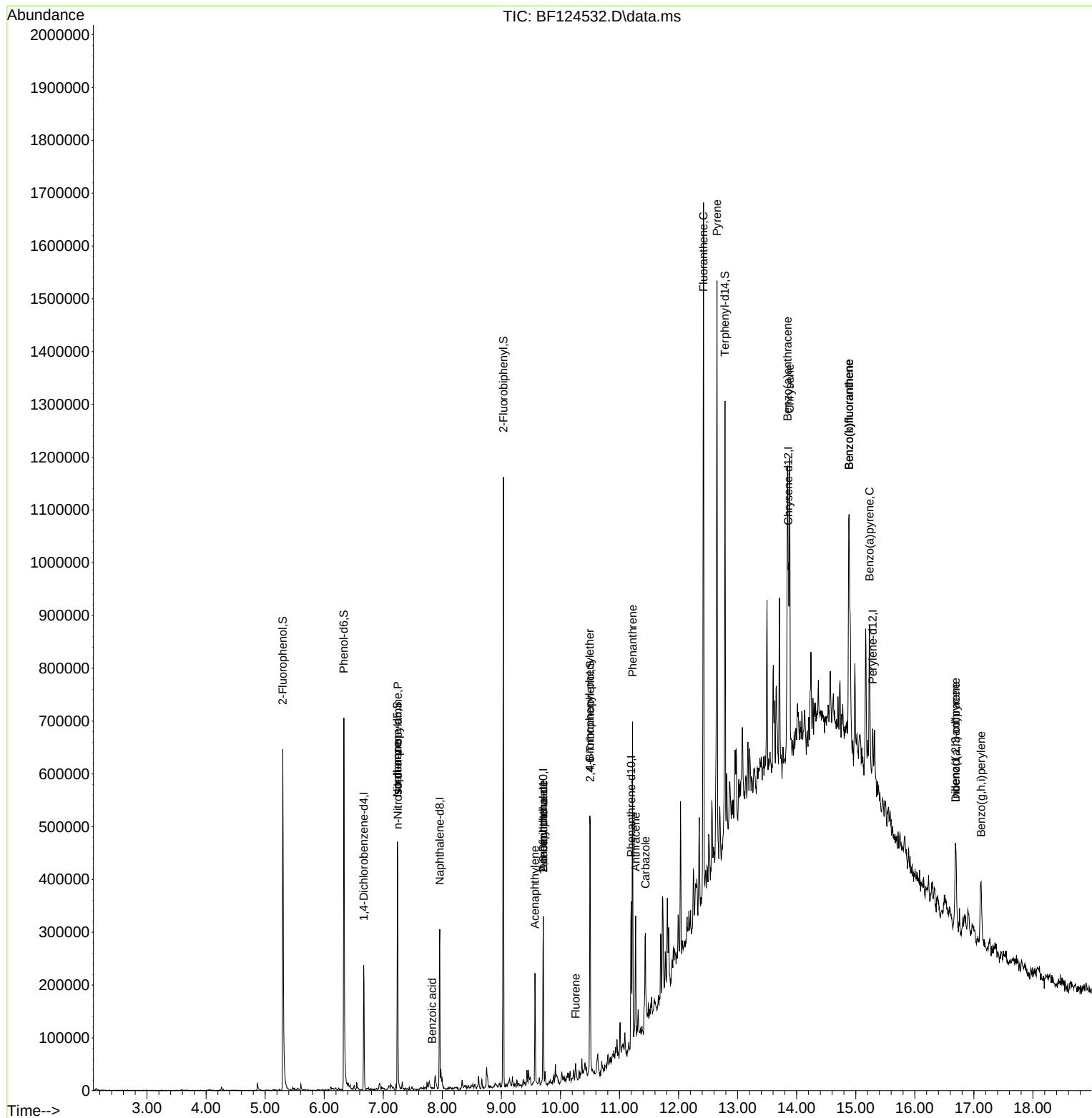
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	32374	20.00	ng	0.00
21) Naphthalene-d8	7.957	136	120176	20.00	ng	# 0.00
39) Acenaphthene-d10	9.710	164	57420	20.00	ng	0.00
64) Phenanthrene-d10	11.198	188	98227	20.00	ng	0.00
76) Chrysene-d12	13.857	240	68795	20.00	ng	0.02
86) Perylene-d12	15.286	264	48632	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	175405	85.21	ng	0.00
7) Phenol-d6	6.334	99	206674	76.89	ng	0.00
23) Nitrobenzene-d5	7.239	82	148492	51.23	ng	-0.01
42) 2,4,6-Tribromophenol	10.504	330	52114	75.97	ng	0.00
45) 2-Fluorobiphenyl	9.033	172	281720	60.10	ng	0.00
79) Terphenyl-d14	12.786	244	248704	54.15	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.245	70	20583	11.39	ng	# 57
25) Isophorone	7.239	82	148490	29.80	ng	# 69
32) Benzoic acid	7.828	122	112	7.28	ng	# 1
49) Acenaphthylene	9.569	152	74596	12.93	ng	# 94
50) Dimethylphthalate	9.710	163	11506	2.54	ng	# 1
51) 2,6-Dinitrotoluene	9.710	165	8789	8.40	ng	# 14
58) Fluorene	10.257	166	9443	2.10	ng	# 94
67) 4-Bromophenyl-phenylether	10.498	248	4109	3.11	ng	# 1
71) Phenanthrene	11.221	178	202035	32.63	ng	97
72) Anthracene	11.274	178	87490	14.18	ng	97
73) Carbazole	11.439	167	65342	12.15	ng	98
75) Fluoranthene	12.421	202	521011	83.61	ng	97
78) Pyrene	12.651	202	434814	69.24	ng	97
81) Benzo(a)anthracene	13.845	228	189185	38.14	ng	96
83) Chrysene	13.880	228	203701	41.44	ng	99
87) Indeno(1,2,3-cd)pyrene	16.692	276	88737	23.14	ng	94
88) Benzo(b)fluoranthene	14.886	252	304703	82.68	ng	# 95
89) Benzo(k)fluoranthene	14.886	252	304703	90.37	ng	96
90) Benzo(a)pyrene	15.233	252	127064	38.80	ng	99
91) Dibenzo(a,h)anthracene	16.692	278	26493	8.02	ng	# 73
92) Benzo(g,h,i)perylene	17.121	276	93443	28.75	ng	97

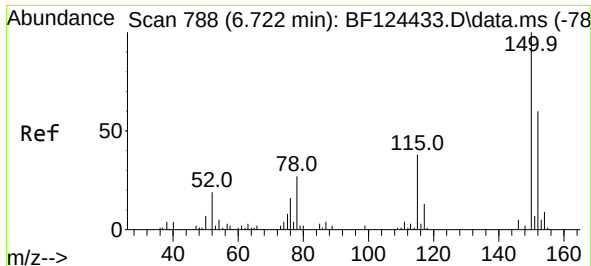
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_F
ClientSampled :
P-D20

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 02 14:41:35 2021
Response via : Initial Calibration

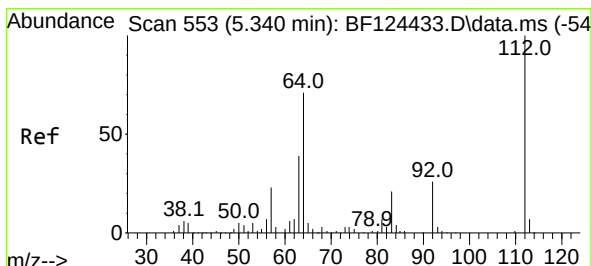
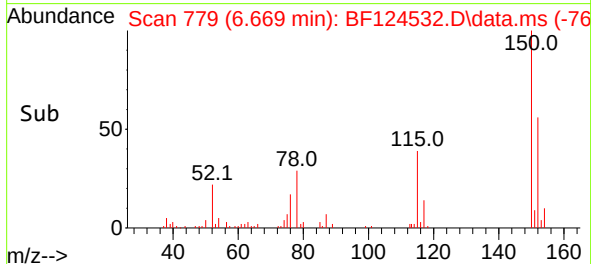
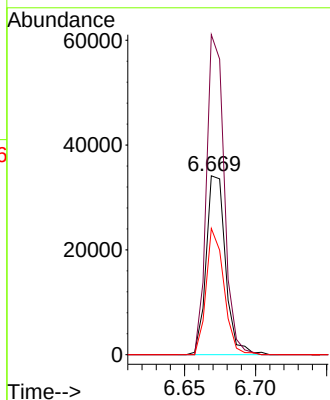
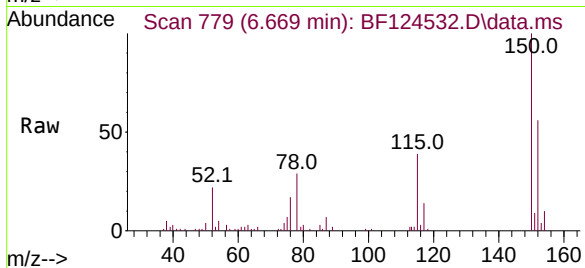




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.669 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

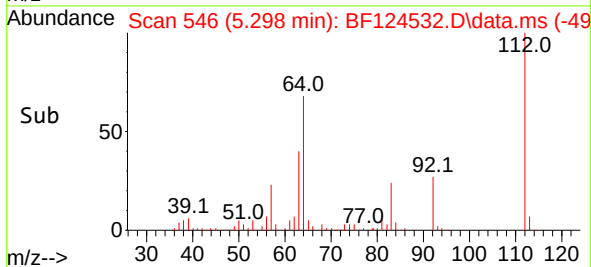
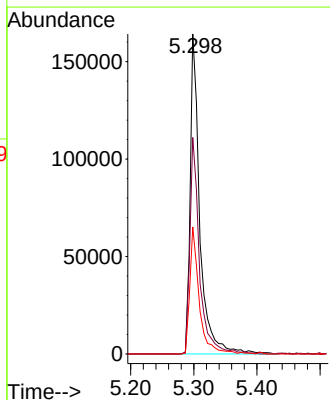
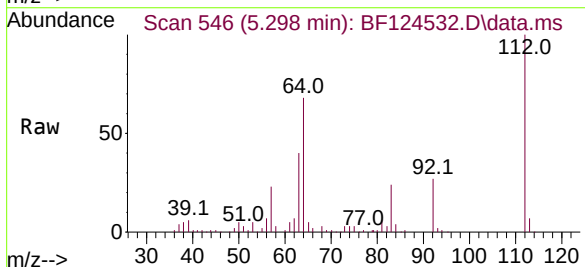
Instrument :
BNA_F
ClientSampleId :
P-D20

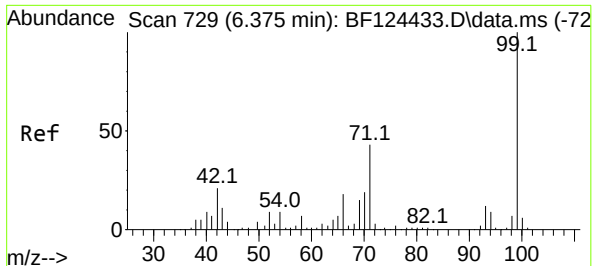
Tgt Ion:152 Resp: 32374
Ion Ratio Lower Upper
152 100
150 178.8 127.0 190.6
115 70.6 54.3 81.5



#5
2-Fluorophenol
Concen: 85.21 ng
RT: 5.298 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:112 Resp: 175405
Ion Ratio Lower Upper
112 100
64 67.7 61.4 92.0
63 39.7 33.0 49.4

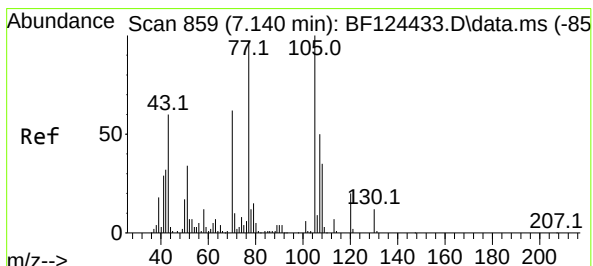
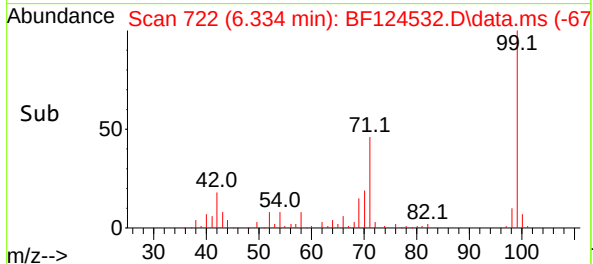
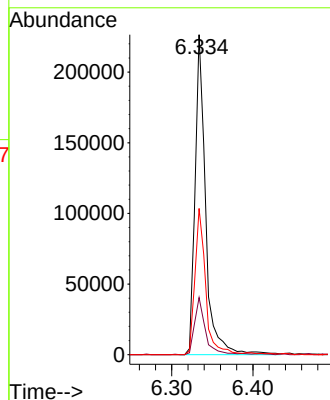
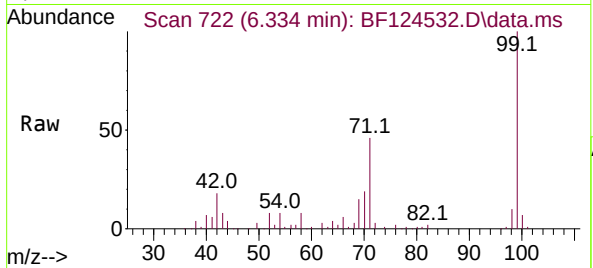




#7
Phenol-d6
Concen: 76.89 ng
RT: 6.334 min Scan# 722
Delta R.T. -0.000 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

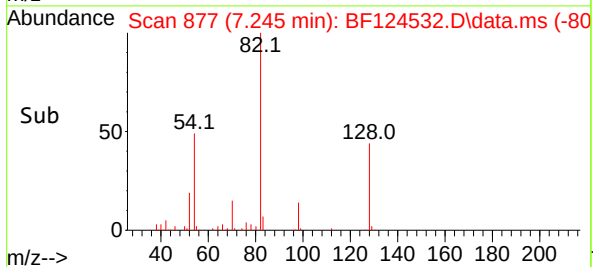
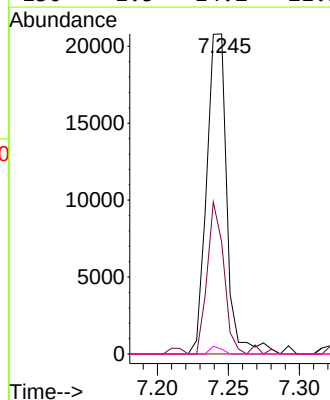
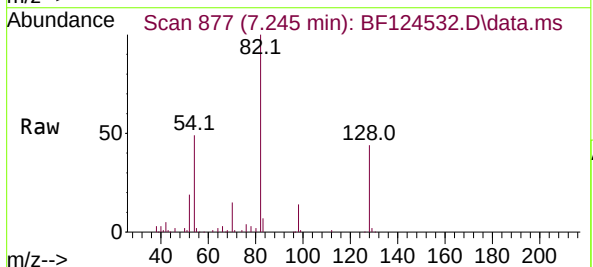
Instrument :
BNA_F
ClientSampleId :
P-D20

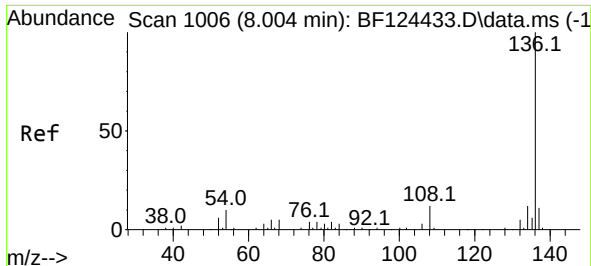
Tgt Ion: 99 Resp: 206674
Ion Ratio Lower Upper
99 100
42 17.9 19.8 29.8#
71 45.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.39 ng
RT: 7.245 min Scan# 877
Delta R.T. 0.147 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion: 70 Resp: 20583
Ion Ratio Lower Upper
70 100
42 35.0 60.1 90.1#
101 0.0 7.4 11.2#
130 1.5 14.2 21.2#

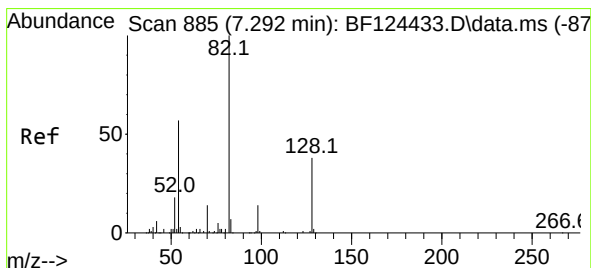
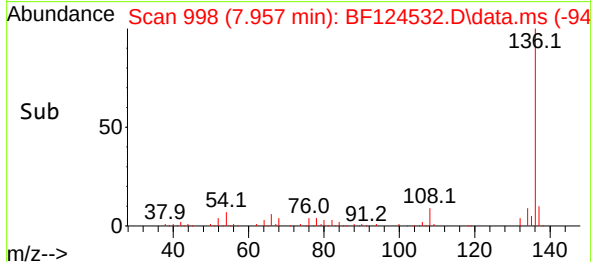
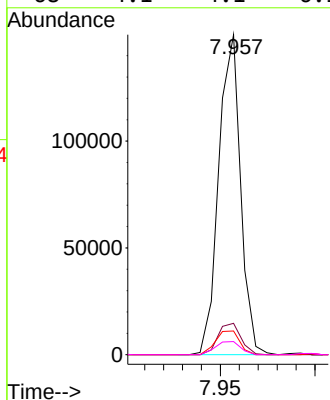
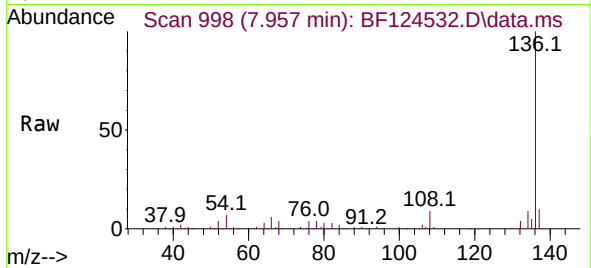




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.957 min Scan# 998
Delta R.T. -0.000 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

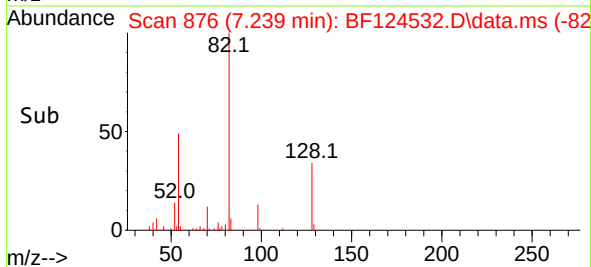
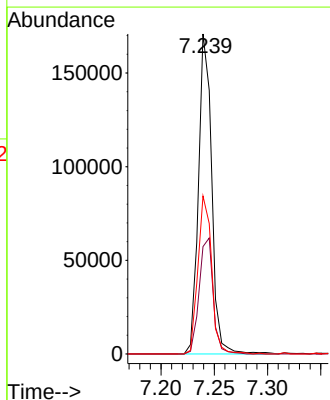
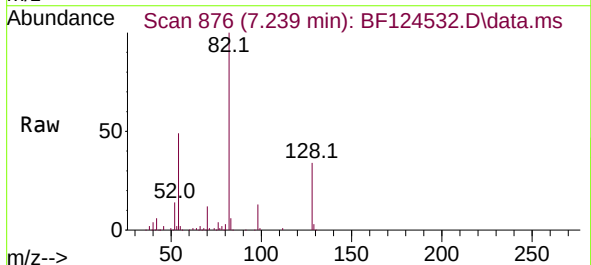
Instrument :
BNA_F
ClientSampleId :
P-D20

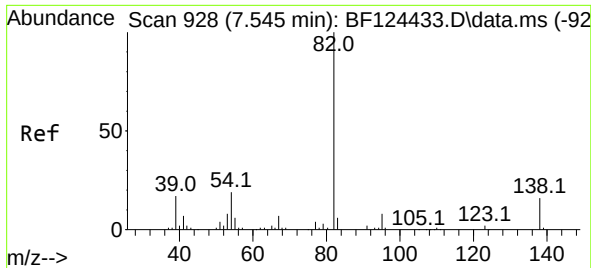
Tgt Ion:136	Resp:	120176
Ion Ratio	Lower	Upper
136	100	
137	9.8	8.7 13.1
54	7.4	9.8 14.6#
68	4.1	4.1 6.1



#23
Nitrobenzene-d5
Concen: 51.23 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion: 82	Resp:	148492
Ion Ratio	Lower	Upper
82	100	
128	33.5	29.4 44.2
54	49.4	54.1 81.1#

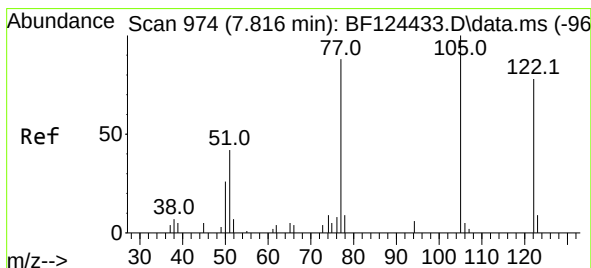
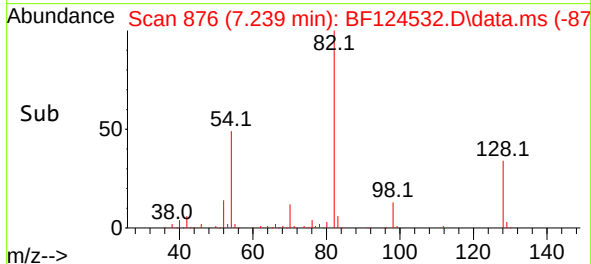
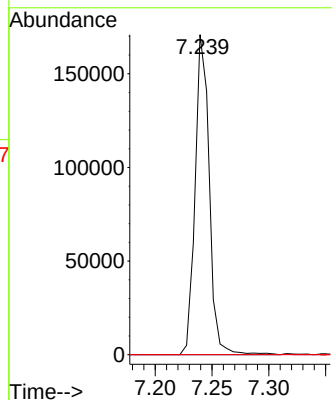
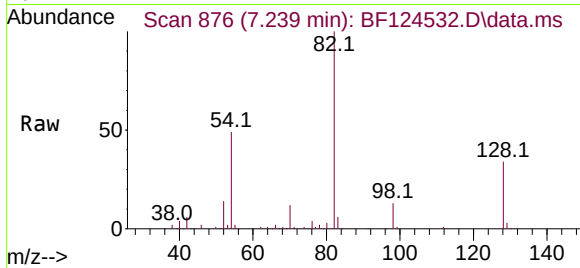




#25
Isophorone
Concen: 29.80 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.265 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

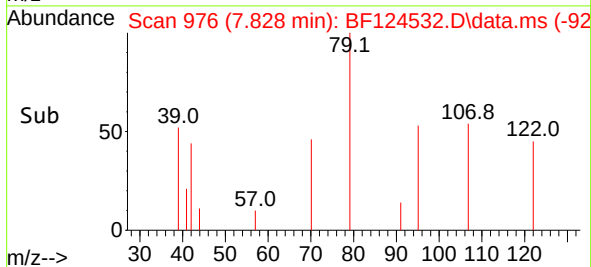
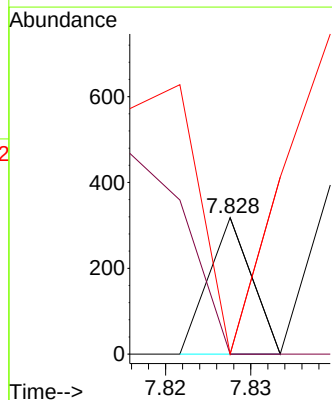
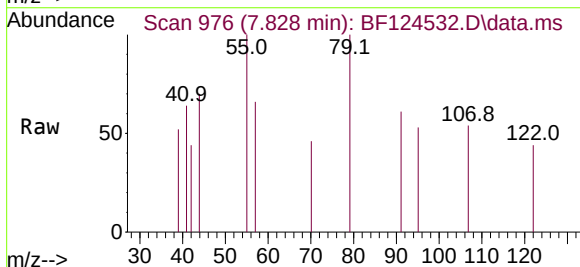
Instrument :
BNA_F
ClientSampleId :
P-D20

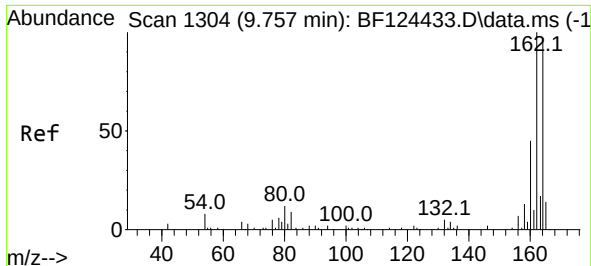
Tgt Ion: 82 Resp: 148490
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 7.28 ng
RT: 7.828 min Scan# 976
Delta R.T. 0.023 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion: 122 Resp: 112
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 0.0 81.6 121.6#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.710 min Scan# 1296

Delta R.T. -0.000 min

Lab File: BF124532.D

Acq: 2 Jul 2021 22:47

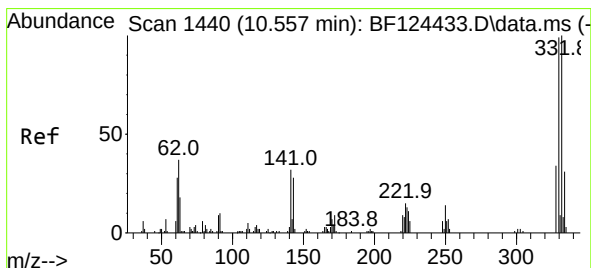
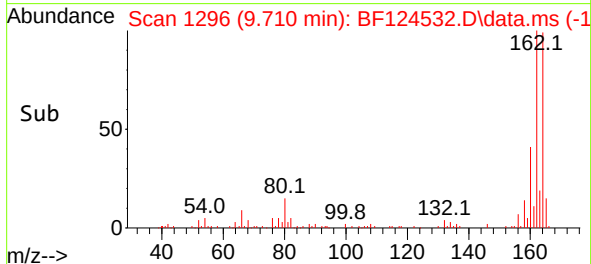
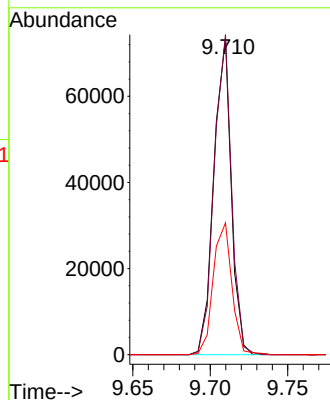
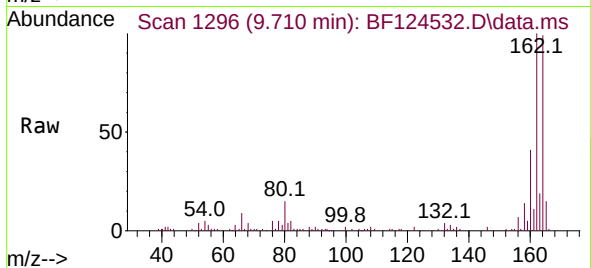
Tgt Ion:164 Resp: 57420

Ion Ratio Lower Upper

164 100

162 101.1 80.7 121.1

160 41.7 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 75.97 ng

RT: 10.504 min Scan# 1431

Delta R.T. -0.000 min

Lab File: BF124532.D

Acq: 2 Jul 2021 22:47

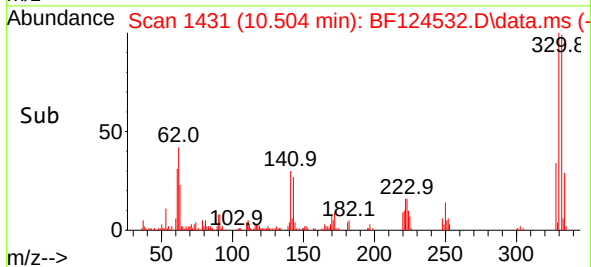
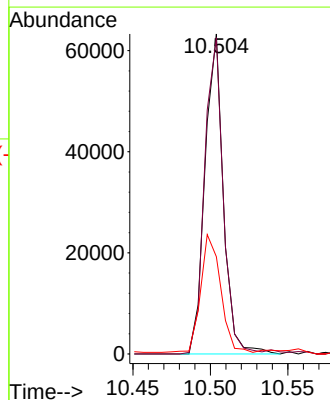
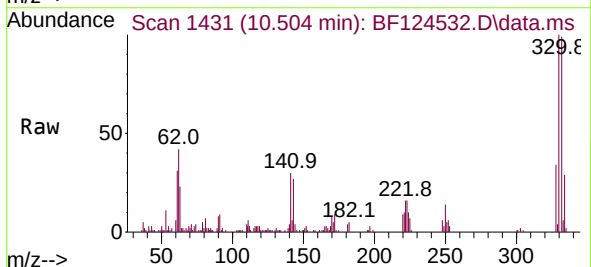
Tgt Ion:330 Resp: 52114

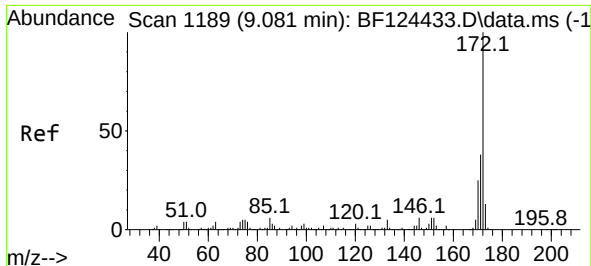
Ion Ratio Lower Upper

330 100

332 101.4 77.1 115.7

141 40.1 27.9 41.9

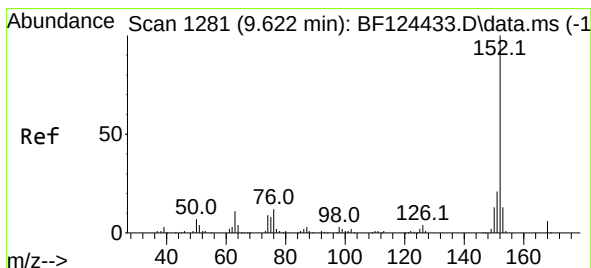
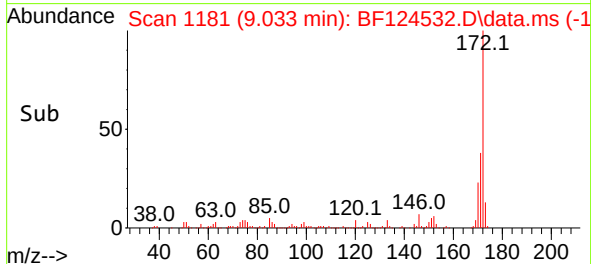
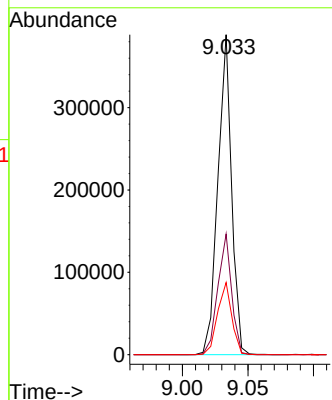
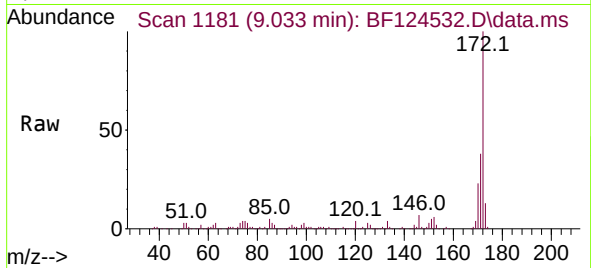




#45
2-Fluorobiphenyl
Concen: 60.10 ng
RT: 9.033 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

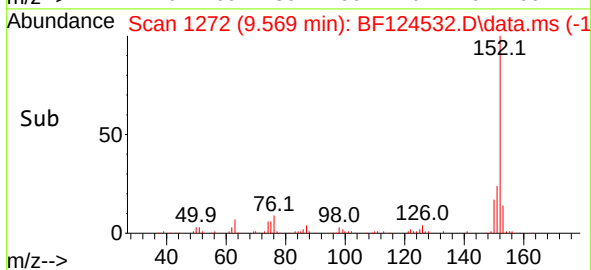
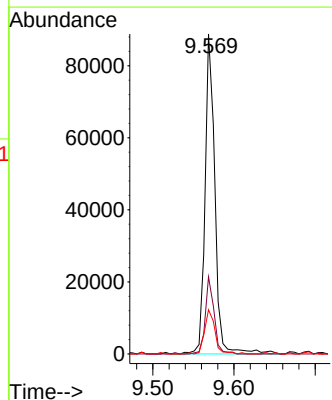
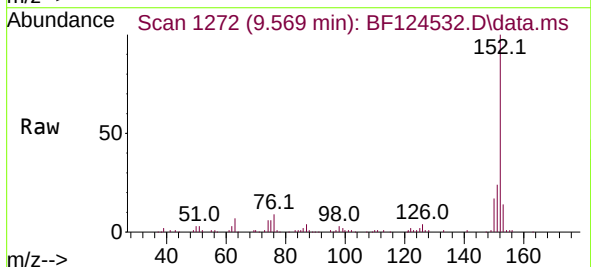
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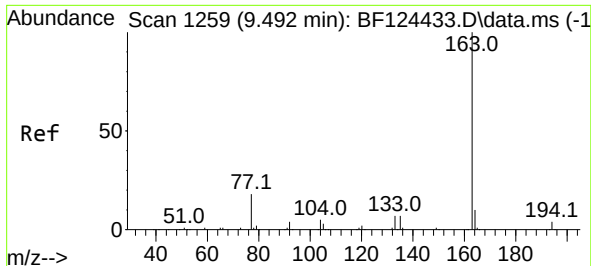
Tgt Ion:172 Resp: 281720
Ion Ratio Lower Upper
172 100
171 37.7 28.1 42.1
170 22.6 19.2 28.8



#49
Acenaphthylene
Concen: 12.93 ng
RT: 9.569 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:152 Resp: 74596
Ion Ratio Lower Upper
152 100
151 24.1 16.0 24.0#
153 13.8 10.4 15.6

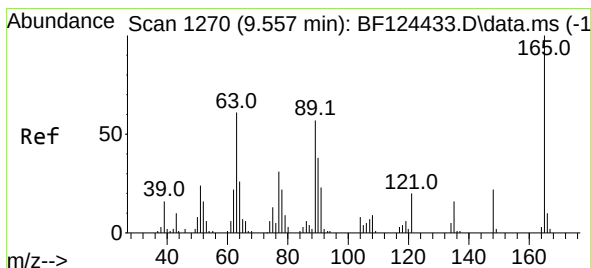
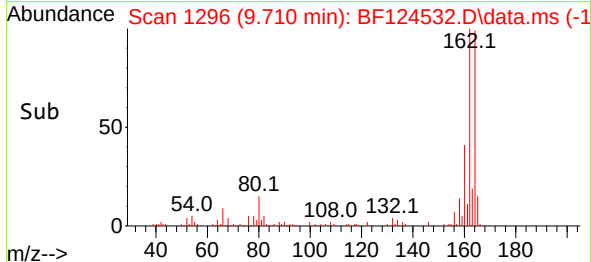
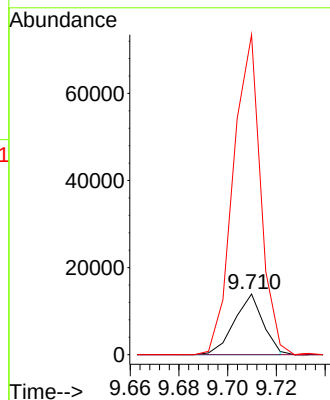
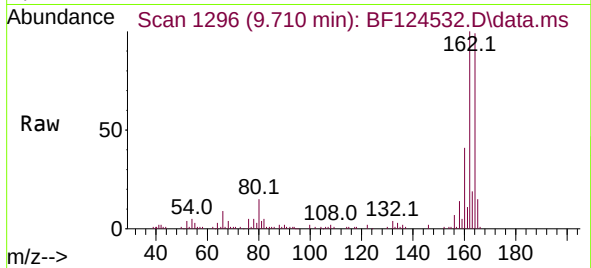




#50
Dimethylphthalate
Concen: 2.54 ng
RT: 9.710 min Scan# 1296
Delta R.T. 0.265 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

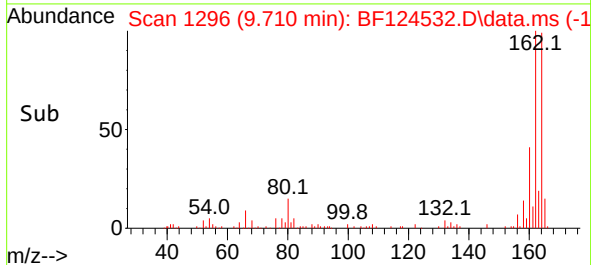
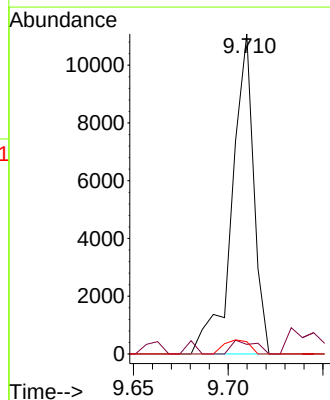
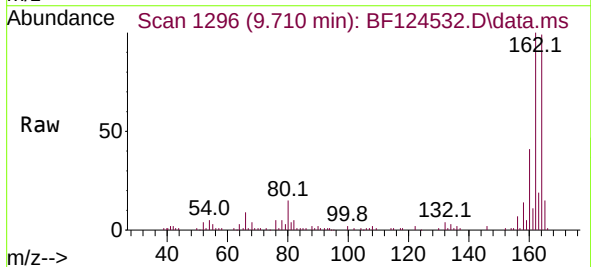
Instrument :
BNA_F
ClientSampleId :
P-D20

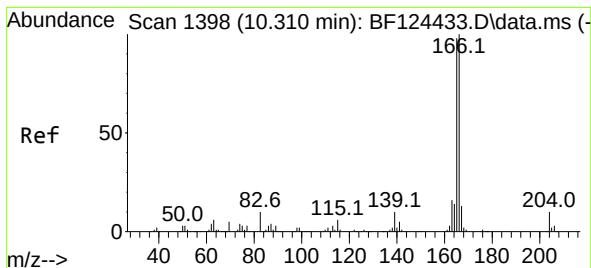
Tgt Ion:163 Resp: 11506
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 528.1 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 8.40 ng
RT: 9.710 min Scan# 1296
Delta R.T. 0.200 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:165 Resp: 8789
Ion Ratio Lower Upper
165 100
63 3.0 67.7 101.5#
89 3.9 58.8 88.2#

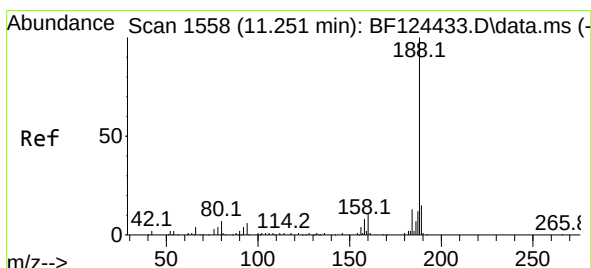
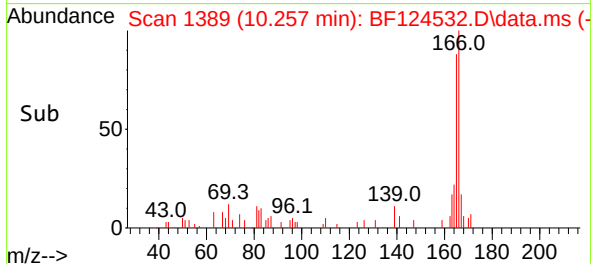
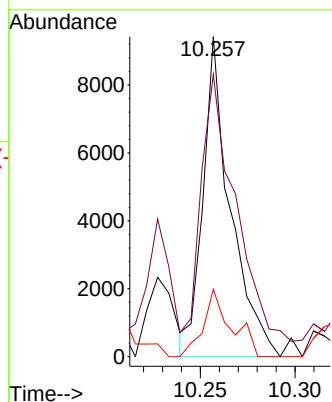
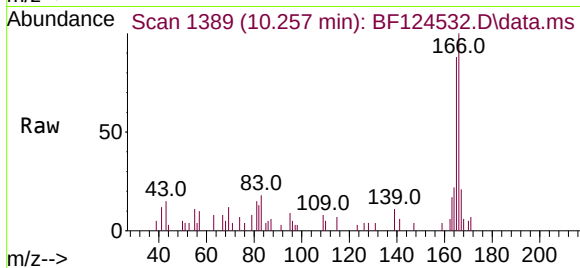




#58
Fluorene
Concen: 2.10 ng
RT: 10.257 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

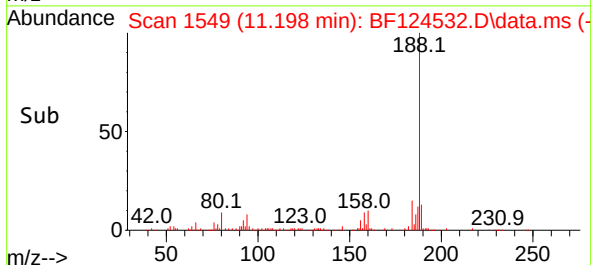
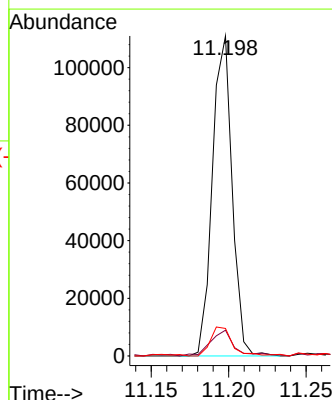
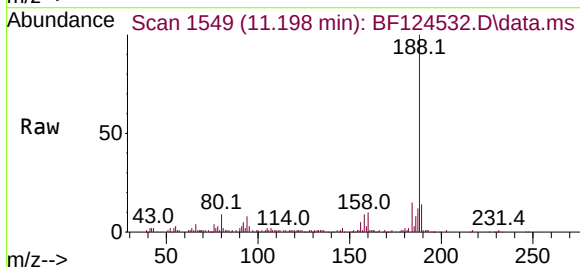
Instrument :
BNA_F
ClientSampleId :
P-D20

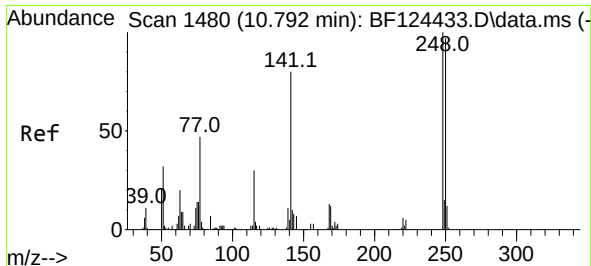
Tgt Ion:166 Resp: 9443
Ion Ratio Lower Upper
166 100
165 88.2 73.5 110.3
167 21.1 10.7 16.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.198 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:188 Resp: 98227
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 8.6 8.2 12.2

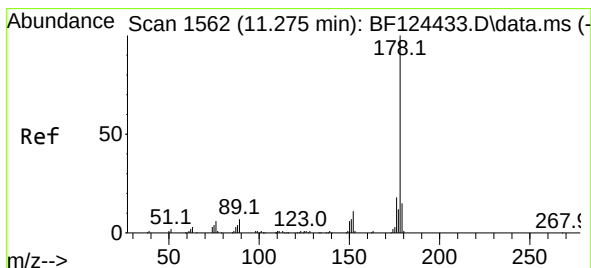
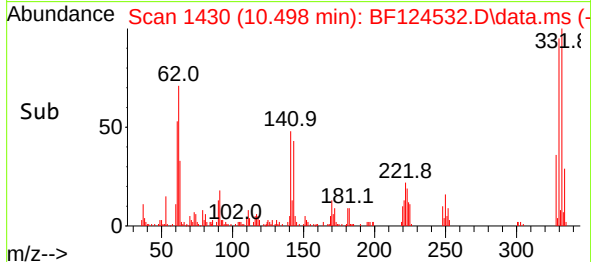
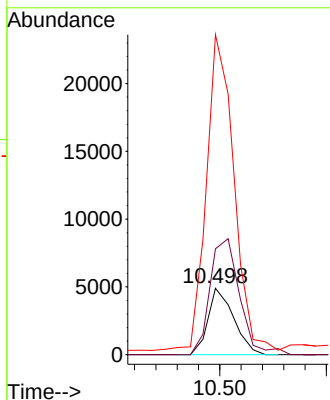
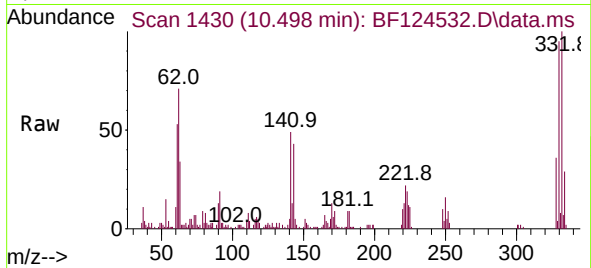




#67
4-Bromophenyl-phenylether
Concen: 3.11 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.241 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

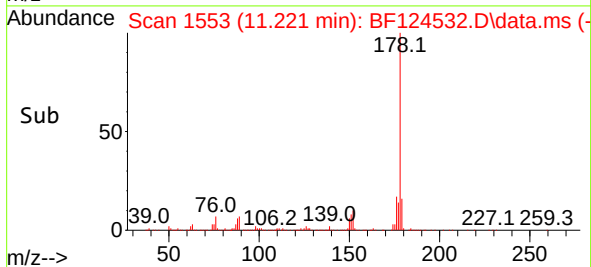
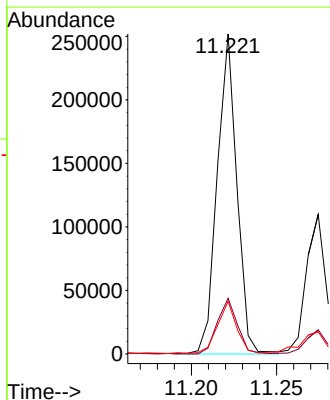
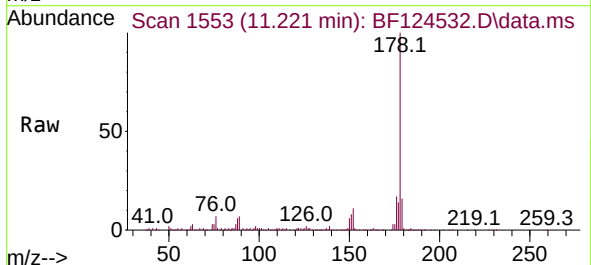
Instrument :
BNA_F
ClientSampleId :
P-D20

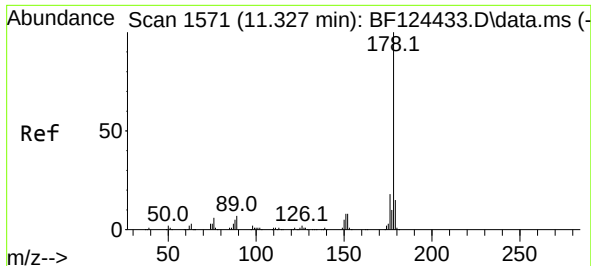
Tgt Ion:248 Resp: 4109
Ion Ratio Lower Upper
248 100
250 159.2 77.4 116.2#
141 481.3 63.7 95.5#



#71
Phenanthrene
Concen: 32.63 ng
RT: 11.221 min Scan# 1553
Delta R.T. -0.000 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:178 Resp: 202035
Ion Ratio Lower Upper
178 100
176 17.4 15.6 23.4
179 16.4 12.5 18.7

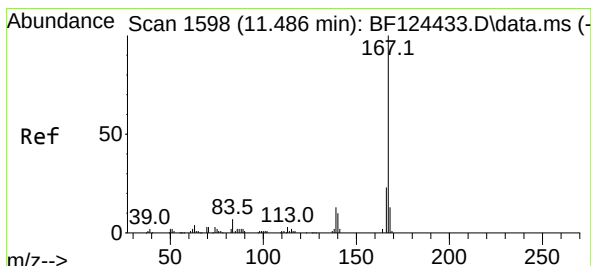
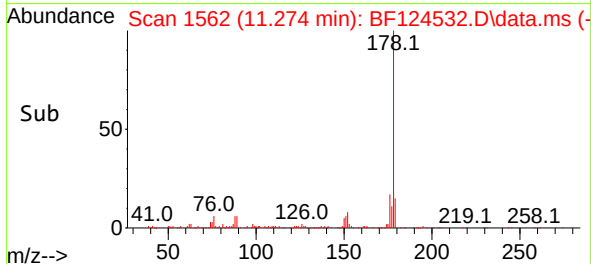
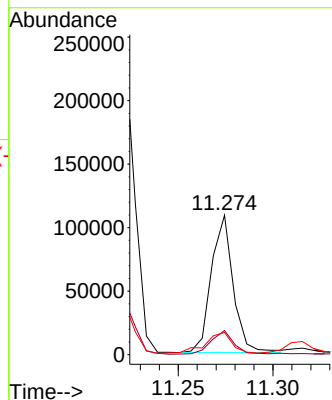
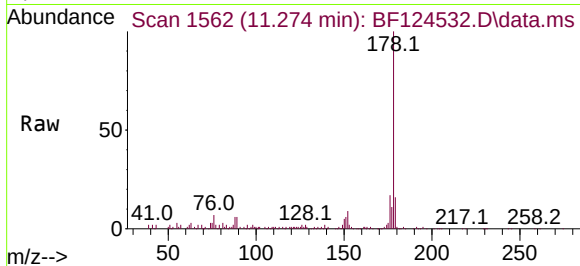




#72
 Anthracene
 Concen: 14.18 ng
 RT: 11.274 min Scan# 1562
 Delta R.T. -0.000 min
 Lab File: BF124532.D
 Acq: 2 Jul 2021 22:47

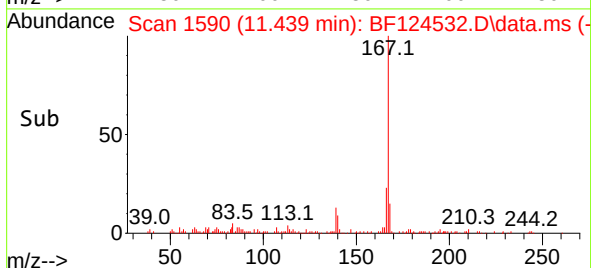
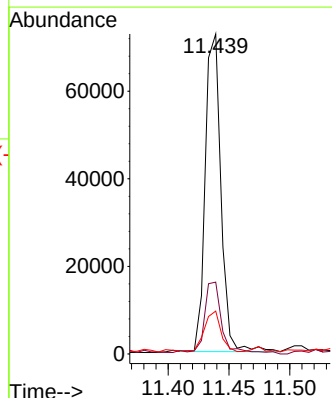
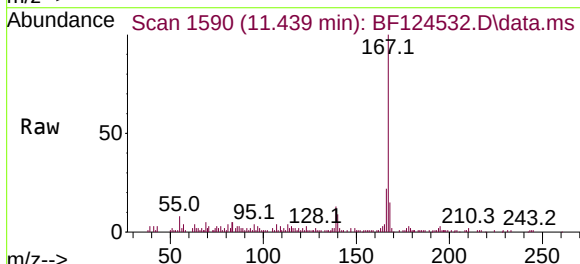
Instrument :
 BNA_F
 ClientSampleId :
 P-D20

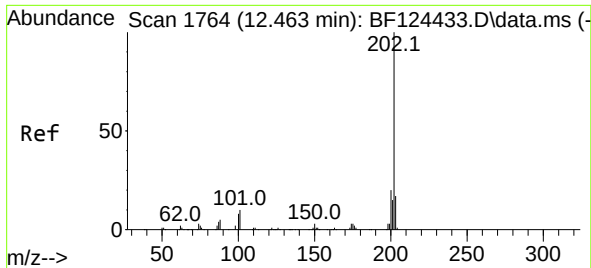
Tgt Ion:	178	Resp:	87490
Ion Ratio	Lower	Upper	
178	100		
176	17.3	15.4	23.0
179	16.0	12.6	18.8



#73
 Carbazole
 Concen: 12.15 ng
 RT: 11.439 min Scan# 1590
 Delta R.T. 0.006 min
 Lab File: BF124532.D
 Acq: 2 Jul 2021 22:47

Tgt Ion:	167	Resp:	65342
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.0	25.6
139	13.4	10.4	15.6

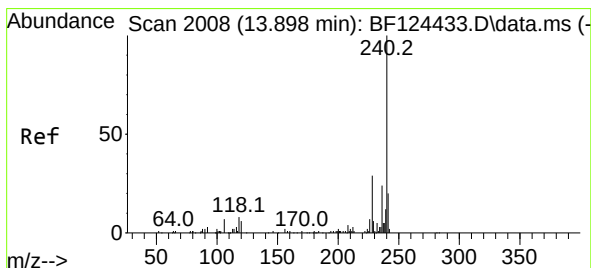
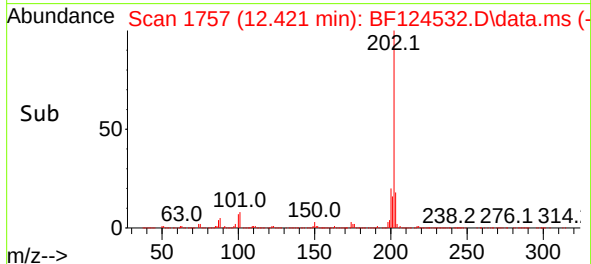
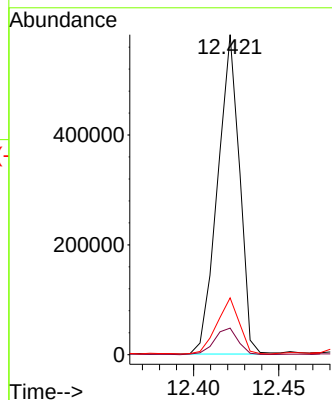
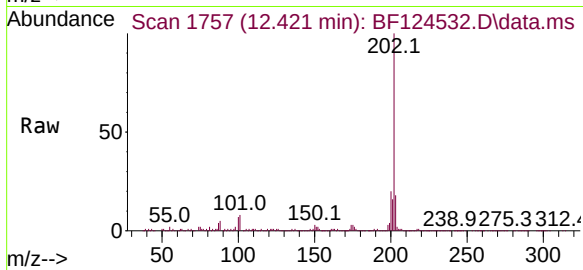




#75
Fluoranthene
Concen: 83.61 ng
RT: 12.421 min Scan# 1757
Delta R.T. 0.012 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

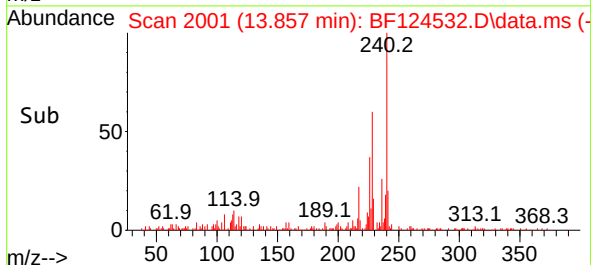
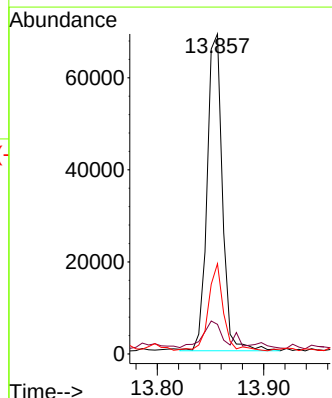
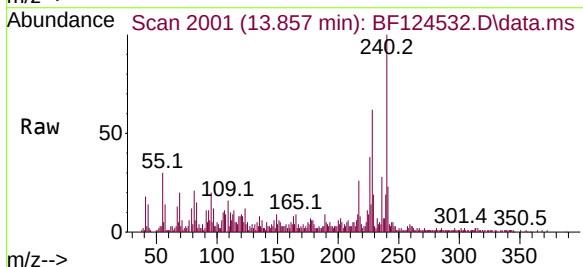
Instrument :
BNA_F
ClientSampleId :
P-D20

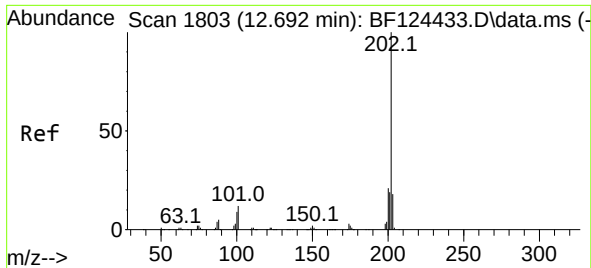
Tgt Ion:	202	Resp:	521011
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	30.9
203	17.8	0.0	37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.857 min Scan# 2001
Delta R.T. 0.018 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:	240	Resp:	68795
Ion Ratio	Lower	Upper	
240	100		
120	9.2	7.2	10.8
236	28.2	19.0	28.4

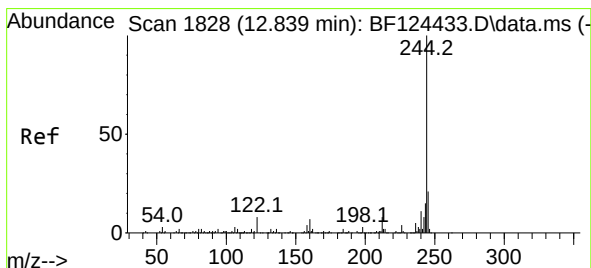
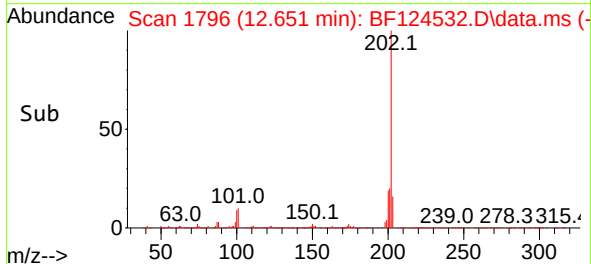
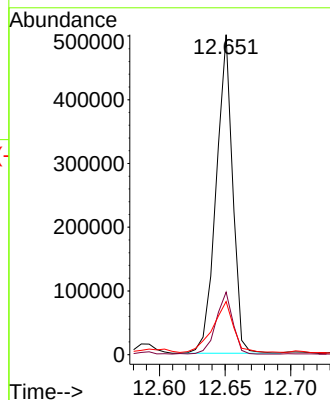
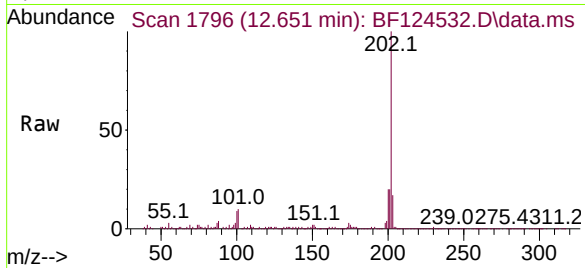




#78
Pyrene
Concen: 69.24 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.012 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

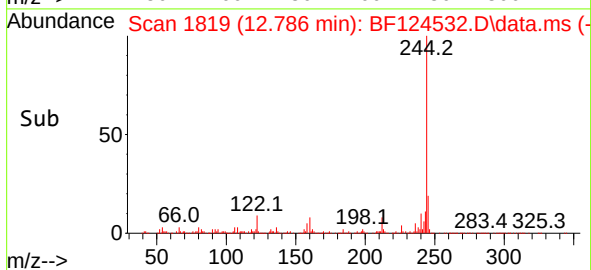
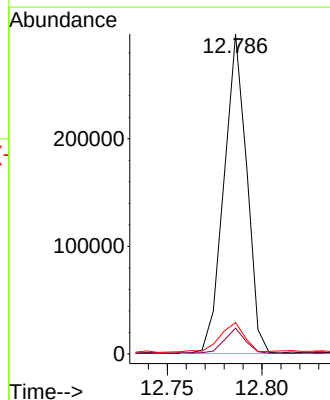
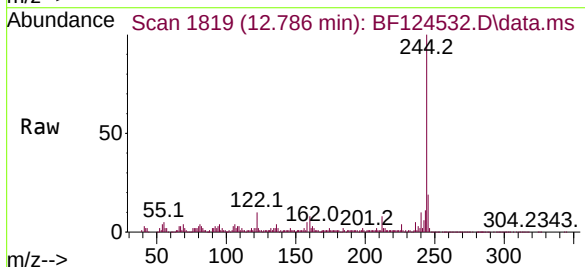
Instrument :
BNA_F
ClientSampleId :
P-D20

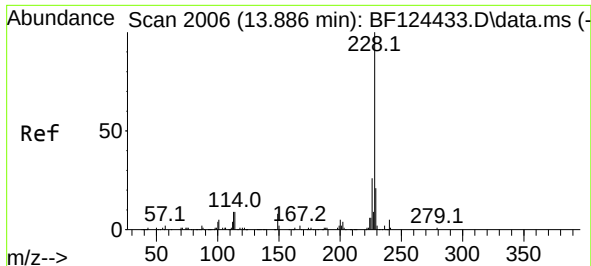
Tgt Ion:202	Resp:	434814
Ion Ratio	Lower	Upper
202	100	
200	19.6	16.1 24.1
203	16.6	14.8 22.2



#79
Terphenyl-d14
Concen: 54.15 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:244	Resp:	248704
Ion Ratio	Lower	Upper
244	100	
212	8.0	5.7 8.5
122	9.8	9.7 14.5

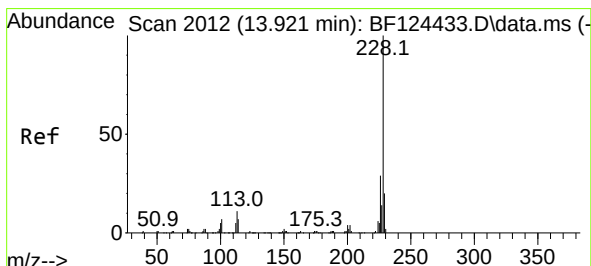
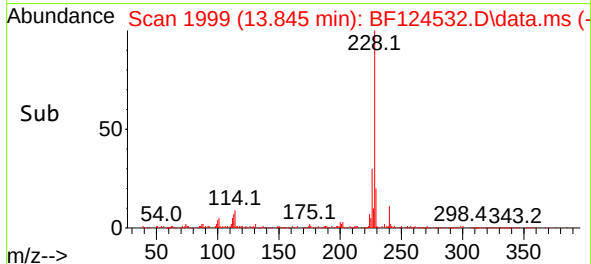
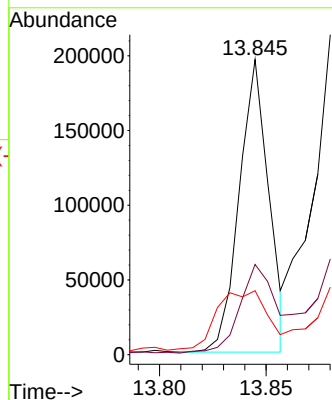
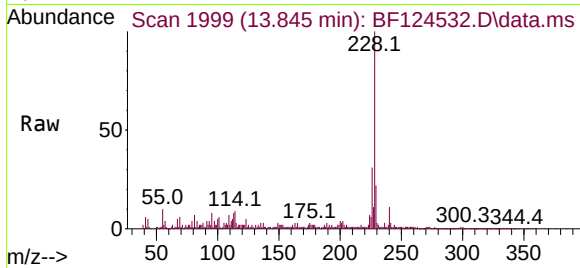




#81
Benzo(a)anthracene
Concen: 38.14 ng
RT: 13.845 min Scan# 1999
Delta R.T. 0.018 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

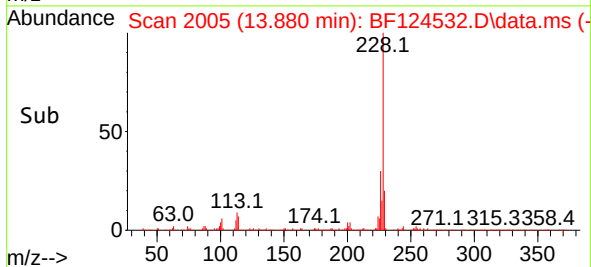
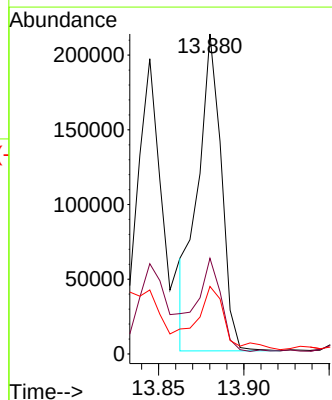
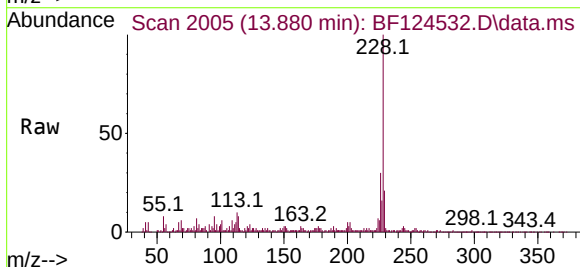
Instrument :
BNA_F
ClientSampleId :
P-D20

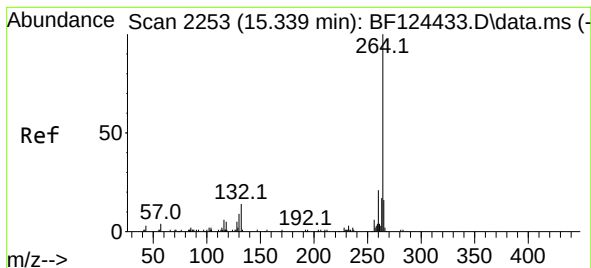
Tgt Ion:228 Resp: 189185
Ion Ratio Lower Upper
228 100
226 30.6 22.4 33.6
229 21.7 16.0 24.0



#83
Chrysene
Concen: 41.44 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.012 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:228 Resp: 203701
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 21.1 16.2 24.2

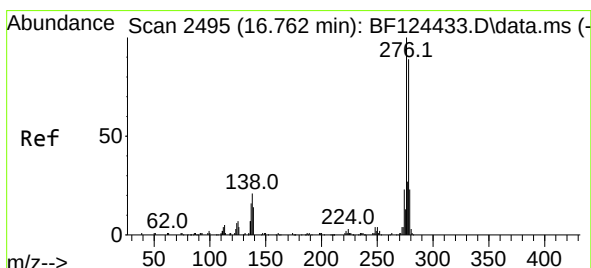
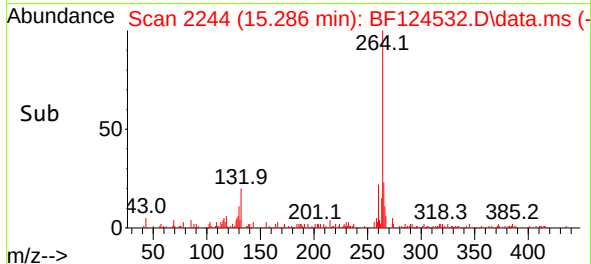
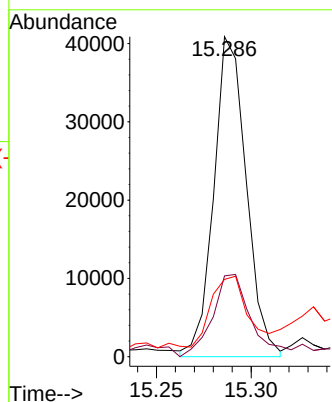
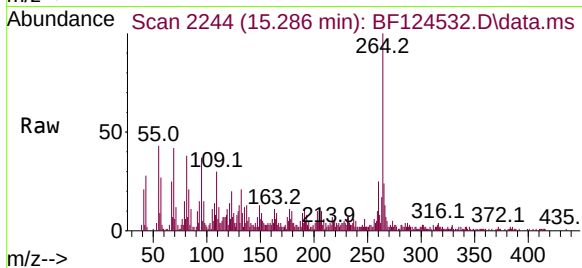




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.286 min Scan# 2244
 Delta R.T. 0.023 min
 Lab File: BF124532.D
 Acq: 2 Jul 2021 22:47

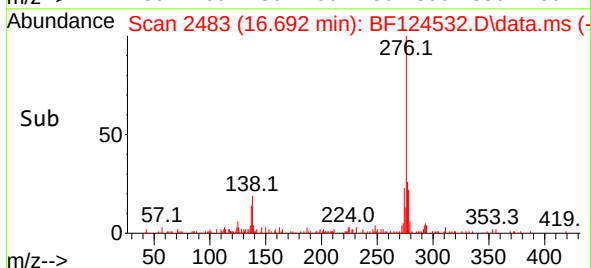
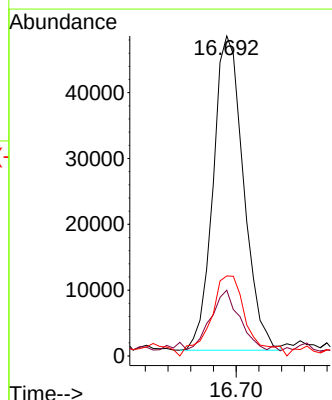
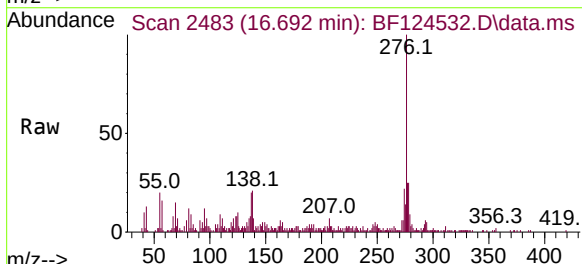
Instrument :
 BNA_F
 ClientSampled :
 P-D20

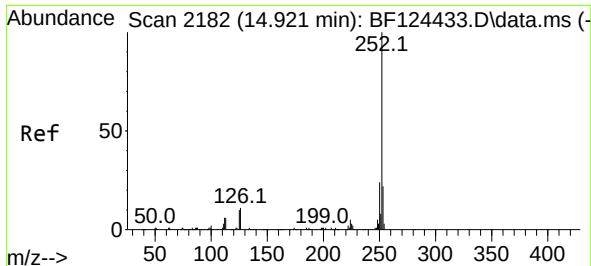
Tgt Ion:264	Resp:	48632
Ion Ratio	Lower	Upper
264	100	
260	25.3	18.7 28.1
265	24.1	17.8 26.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 23.14 ng
 RT: 16.692 min Scan# 2483
 Delta R.T. 0.041 min
 Lab File: BF124532.D
 Acq: 2 Jul 2021 22:47

Tgt Ion:276	Resp:	88737
Ion Ratio	Lower	Upper
276	100	
138	18.7	16.2 24.2
277	29.7	20.1 30.1

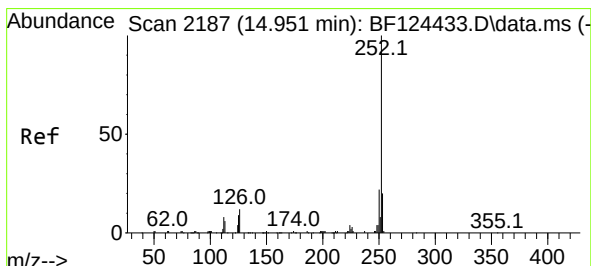
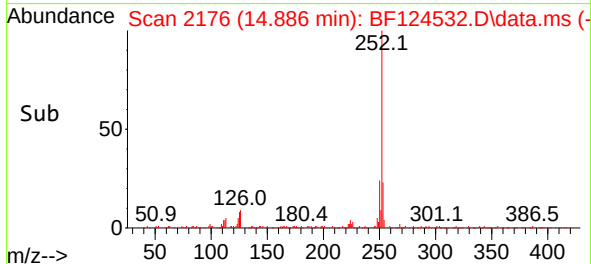
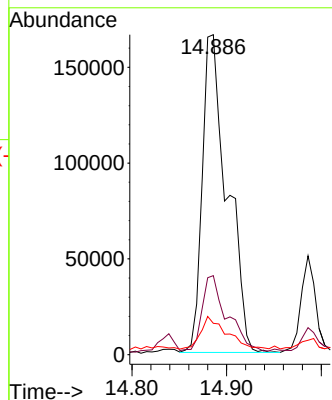
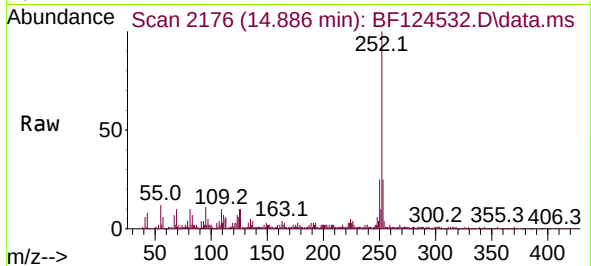




#88
Benzo(b)fluoranthene
Concen: 82.68 ng
RT: 14.886 min Scan# 2176
Delta R.T. 0.029 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

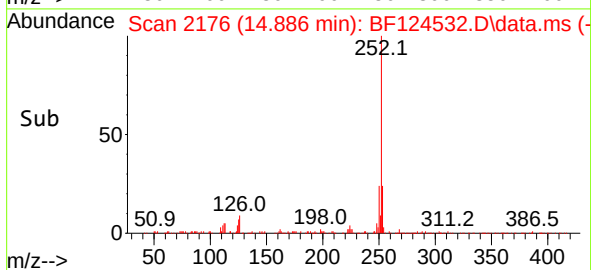
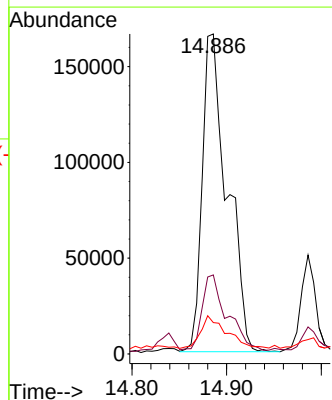
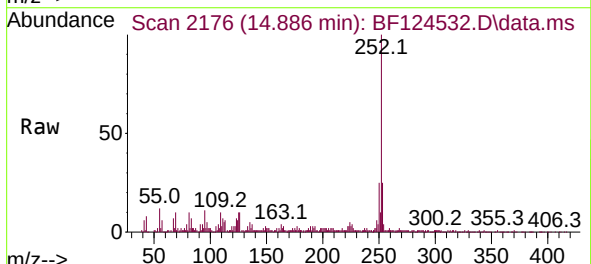
Instrument :
BNA_F
ClientSampleId :
P-D20

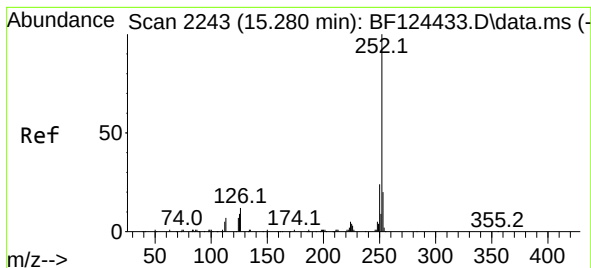
Tgt Ion:252 Resp: 304703
Ion Ratio Lower Upper
252 100
253 24.7 18.1 27.1
125 9.8 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 90.37 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.000 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:252 Resp: 304703
Ion Ratio Lower Upper
252 100
253 24.7 17.9 26.9
125 9.8 7.0 10.6

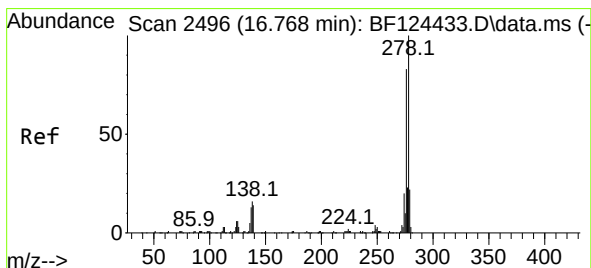
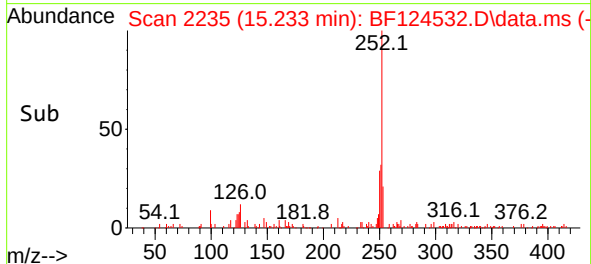
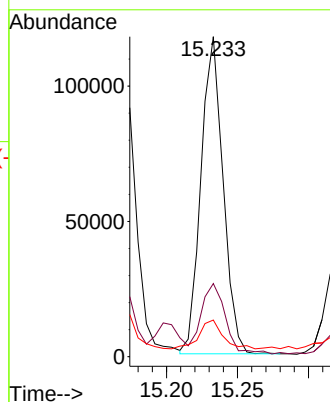
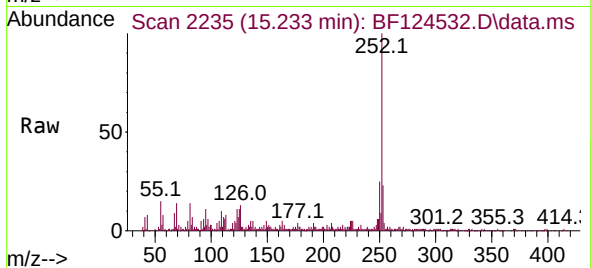




#90
Benzo(a)pyrene
Concen: 38.80 ng
RT: 15.233 min Scan# 2235
Delta R.T. 0.029 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

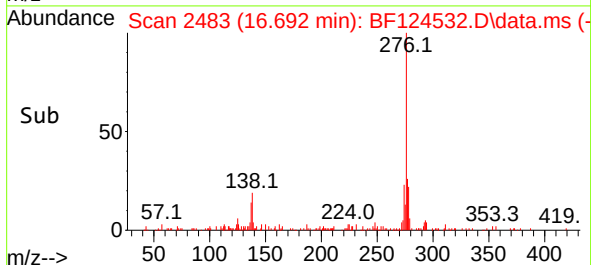
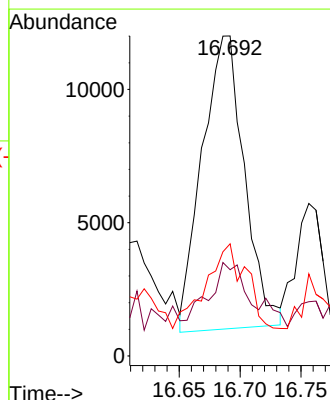
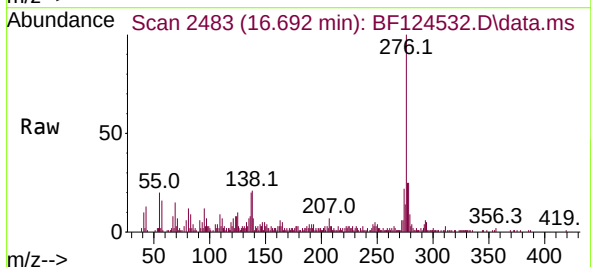
Instrument :
BNA_F
ClientSampleId :
P-D20

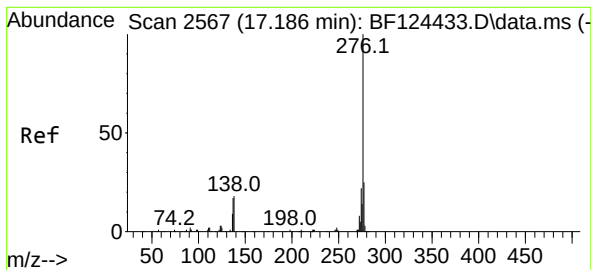
Tgt Ion:252 Resp: 127064
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 11.5 8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 8.02 ng
RT: 16.692 min Scan# 2483
Delta R.T. 0.041 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:278 Resp: 26493
Ion Ratio Lower Upper
278 100
139 27.0 10.2 15.2#
279 35.1 19.4 29.0#





#92
 Benzo(g,h,i)perylene
 Concen: 28.75 ng
 RT: 17.121 min Scan# 2556
 Delta R.T. 0.053 min
 Lab File: BF124532.D
 Acq: 2 Jul 2021 22:47

Instrument :
 BNA_F
 ClientSampleId :
 P-D20

Tgt Ion:276 Resp: 93443

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.2	27.2
138	15.7	13.8	20.6

