

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
 Data File : BF124527.D
 Acq On : 2 Jul 2021 20:02
 Operator : JU/CG
 Sample : M2913-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-3100

Quant Time: Jul 03 01:45:29 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)

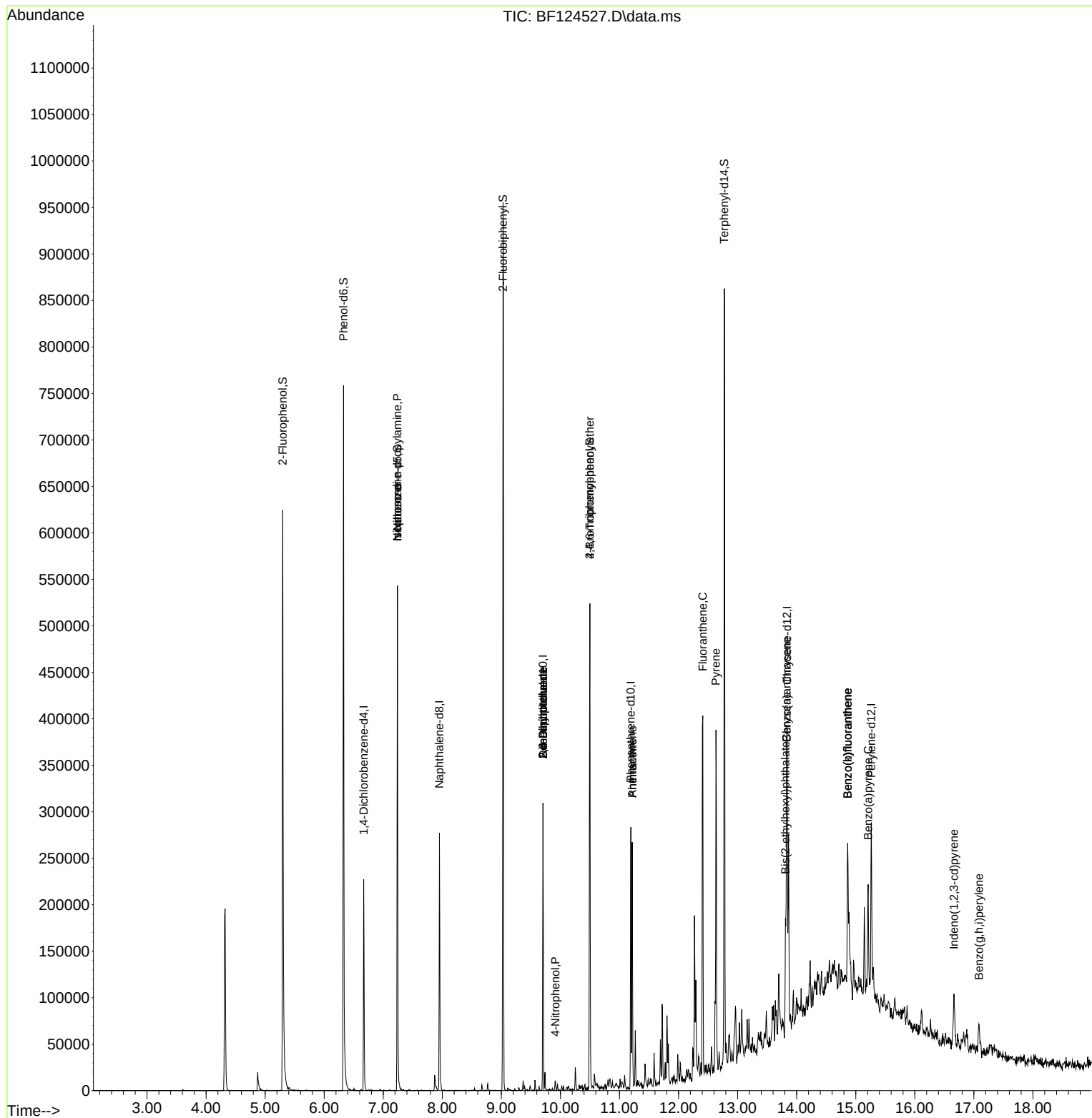
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	29405	20.00	ng	0.00
21) Naphthalene-d8	7.951	136	101946	20.00	ng	# 0.00
39) Acenaphthene-d10	9.704	164	52155	20.00	ng	0.00
64) Phenanthrene-d10	11.192	188	87382	20.00	ng	# 0.00
76) Chrysene-d12	13.839	240	79827	20.00	ng	0.00
86) Perylene-d12	15.262	264	66121	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	175347	93.78	ng	0.00
7) Phenol-d6	6.328	99	206505	84.59	ng	0.00
23) Nitrobenzene-d5	7.239	82	158246	64.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.498	330	54588	87.60	ng	0.00
45) 2-Fluorobiphenyl	9.027	172	275342	64.67	ng	0.00
79) Terphenyl-d14	12.774	244	244331	45.84	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.239	70	22508	13.71	ng	# 57
25) Isophorone	7.239	82	158246	37.43	ng	# 69
50) Dimethylphthalate	9.704	163	11184	2.72	ng	# 1
51) 2,6-Dinitrotoluene	9.704	165	7927	8.35	ng	# 11
56) 4-Nitrophenol	9.916	139	1622	3.68	ng	# 1
57) 2,4-Dinitrotoluene	9.704	165	7927	6.30	ng	# 17
67) 4-Bromophenyl-phenylether	10.498	248	3664	3.12	ng	# 1
71) Phenanthrene	11.216	178	85226	15.47	ng	96
72) Anthracene	11.216	178	85226	15.53	ng	97
75) Fluoranthene	12.410	202	149693	27.00	ng	96
78) Pyrene	12.633	202	142463	19.55	ng	98
81) Benzo(a)anthracene	13.827	228	76324	13.26	ng	# 95
83) Chrysene	13.827	228	76324	13.38	ng	93
84) Bis(2-ethylhexyl)phtha...	13.810	149	25024	6.45	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.662	276	26129	5.01	ng	99
88) Benzo(b)fluoranthene	14.862	252	102601	20.48	ng	# 98
89) Benzo(k)fluoranthene	14.862	252	102601	22.38	ng	# 98
90) Benzo(a)pyrene	15.209	252	51775	11.63	ng	# 95
92) Benzo(g,h,i)perylene	17.086	276	20522	4.64	ng	# 93

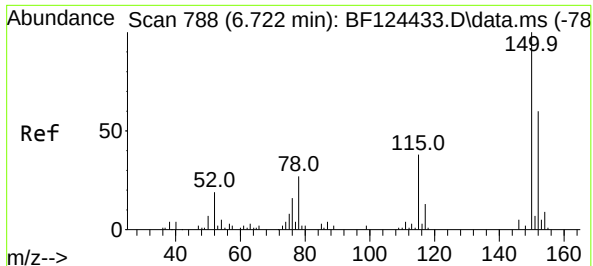
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 02 14:41:35 2021
Response via : Initial Calibration

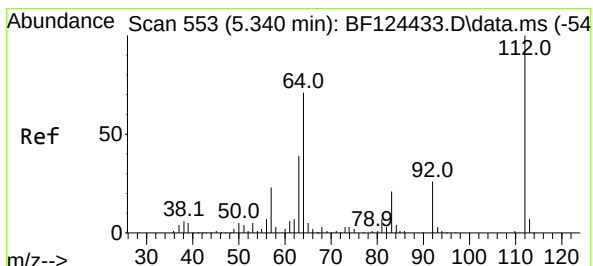
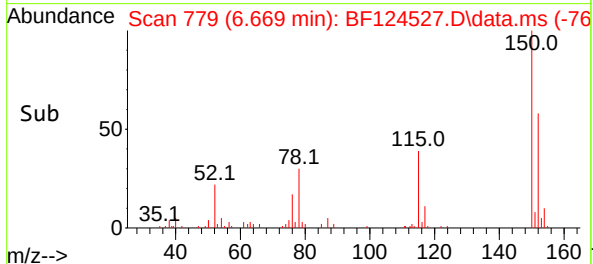
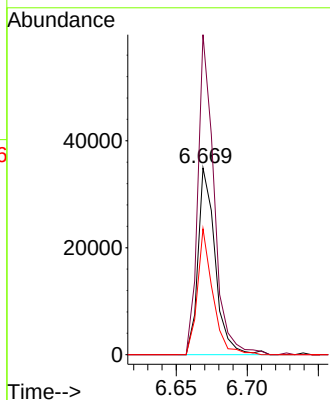
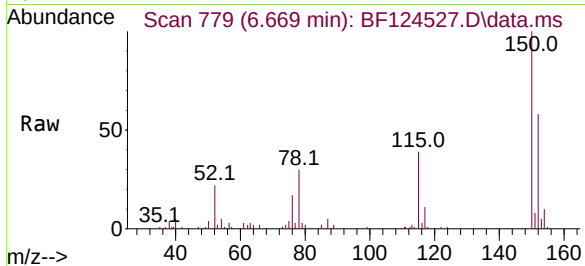




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.669 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

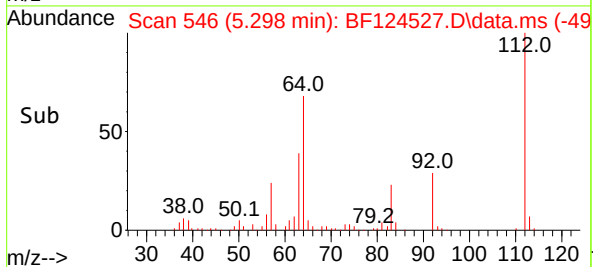
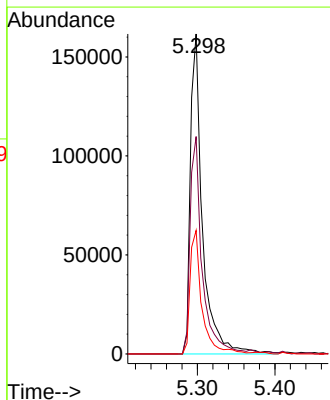
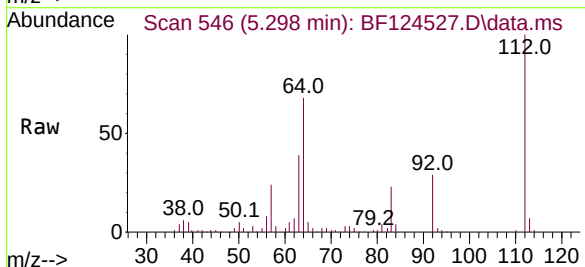
Instrument :
BNA_F
ClientSampleId :
D-3100

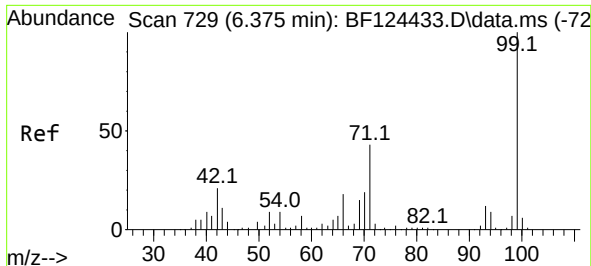
Tgt Ion:152 Resp: 29405
Ion Ratio Lower Upper
152 100
150 171.4 127.0 190.6
115 67.5 54.3 81.5



#5
2-Fluorophenol
Concen: 93.78 ng
RT: 5.298 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:112 Resp: 175347
Ion Ratio Lower Upper
112 100
64 68.0 61.4 92.0
63 38.6 33.0 49.4

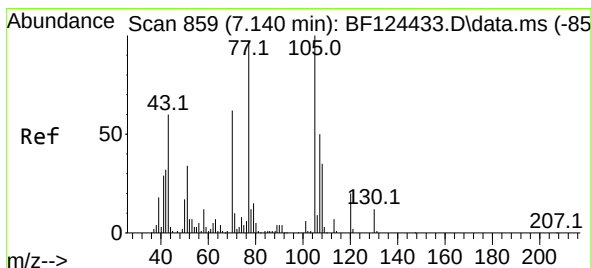
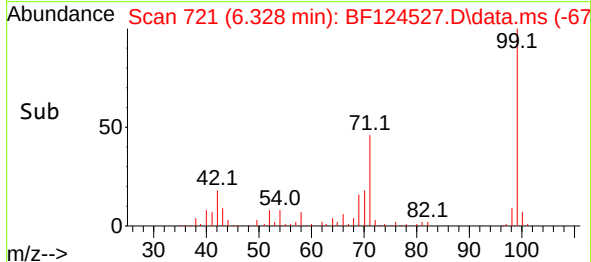
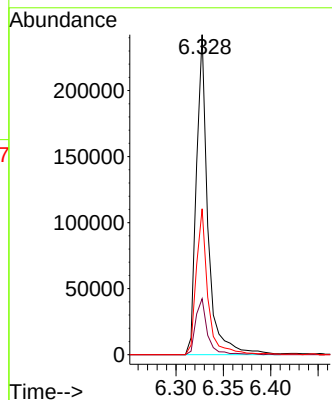
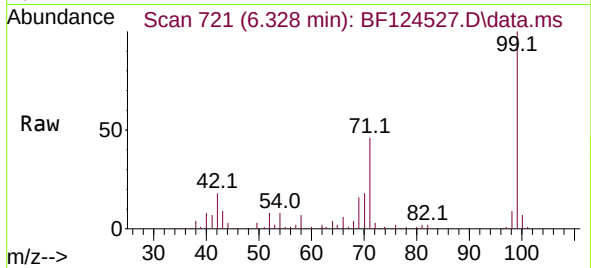




#7
Phenol-d6
Concen: 84.59 ng
RT: 6.328 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

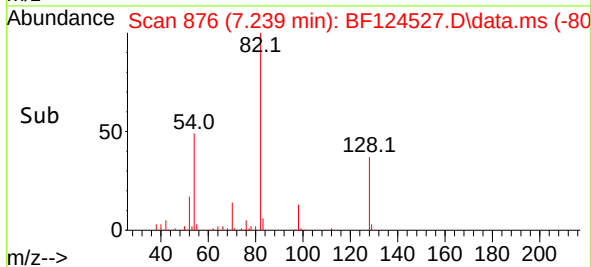
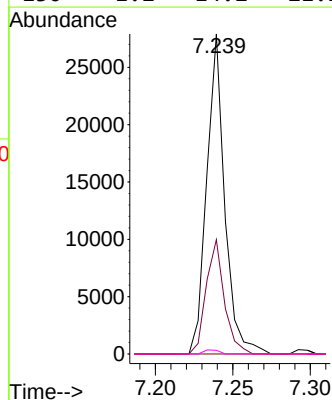
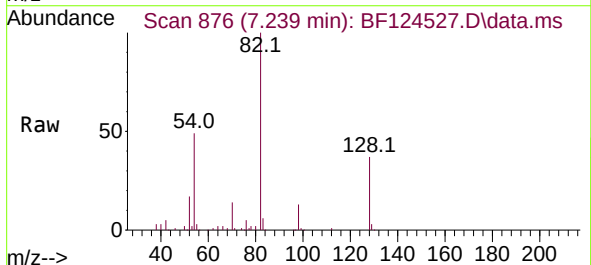
Instrument :
BNA_F
ClientSampleId :
D-3100

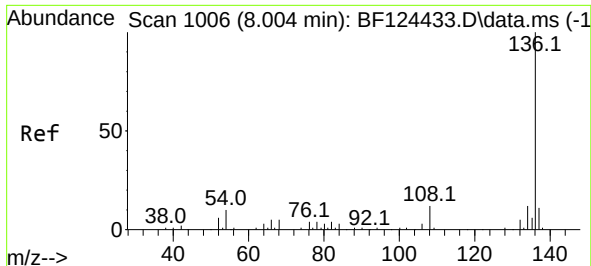
Tgt Ion: 99 Resp: 206505
Ion Ratio Lower Upper
99 100
42 17.5 19.8 29.8#
71 45.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.71 ng
RT: 7.239 min Scan# 876
Delta R.T. 0.141 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

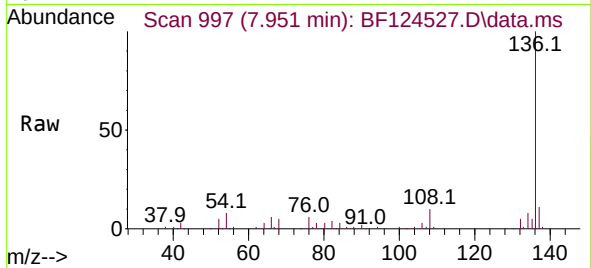
Tgt Ion: 70 Resp: 22508
Ion Ratio Lower Upper
70 100
42 35.7 60.1 90.1#
101 0.0 7.4 11.2#
130 1.2 14.2 21.2#



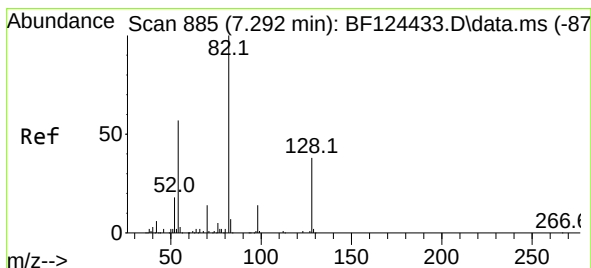
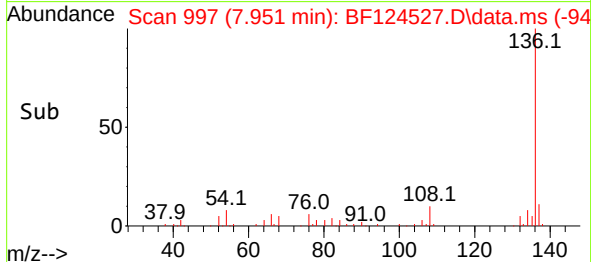
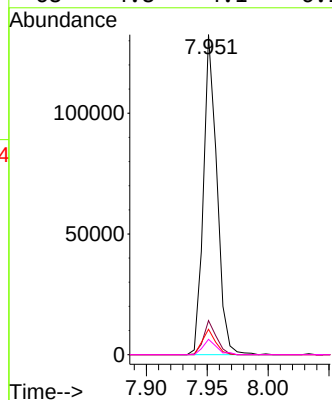


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

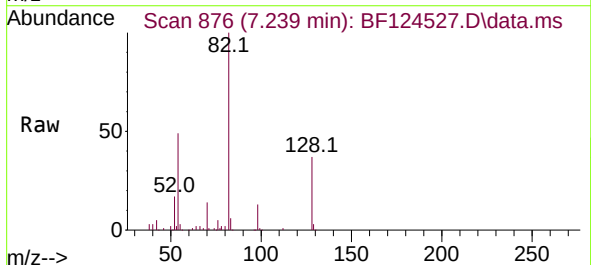
Instrument :
BNA_F
ClientSampleId :
D-3100



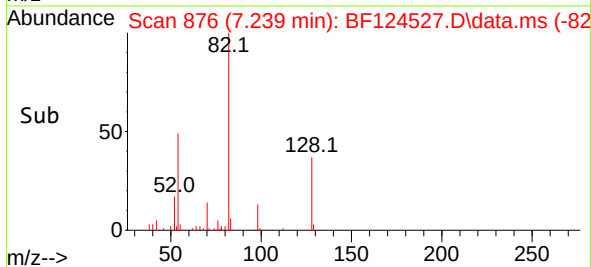
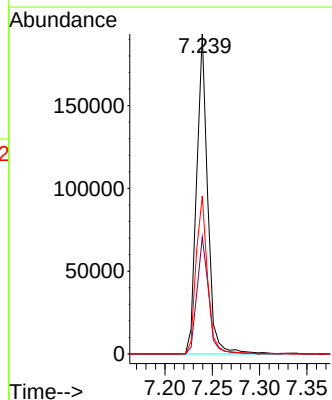
Tgt Ion:136	Resp: 101946
Ion Ratio	Lower Upper
136	100
137	10.7 8.7 13.1
54	7.9 9.8 14.6#
68	4.8 4.1 6.1

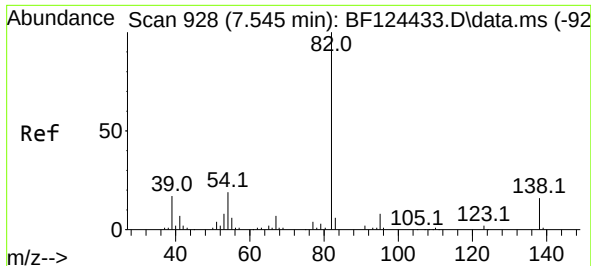


#23
Nitrobenzene-d5
Concen: 64.36 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02



Tgt Ion: 82	Resp: 158246
Ion Ratio	Lower Upper
82	100
128	36.5 29.4 44.2
54	49.4 54.1 81.1#

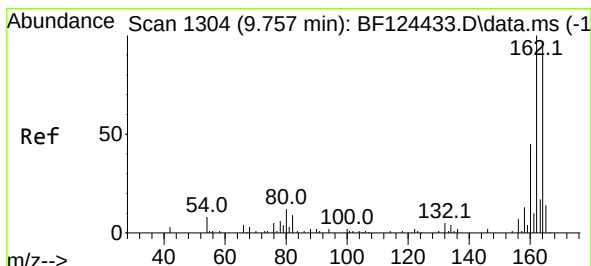
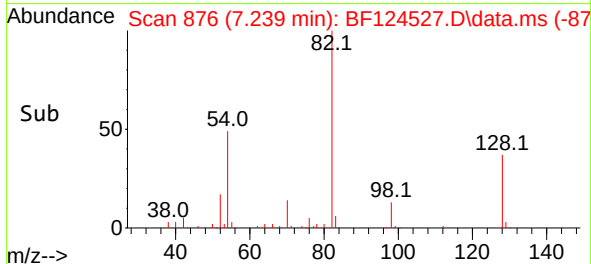
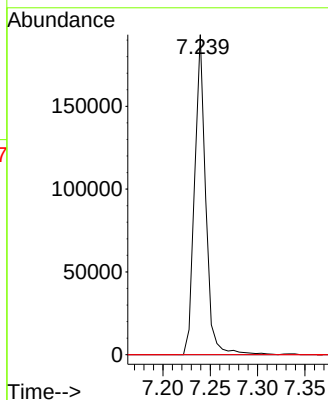
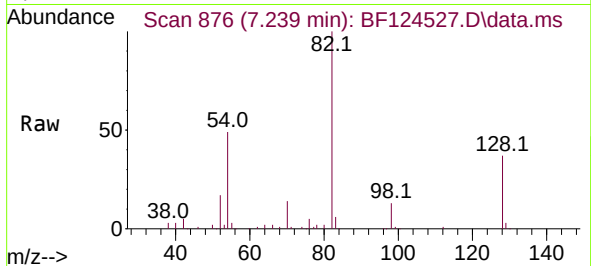




#25
Isophorone
Concen: 37.43 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.265 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

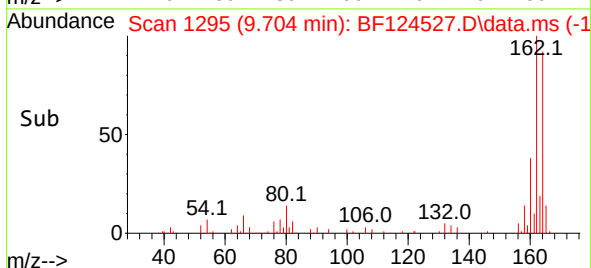
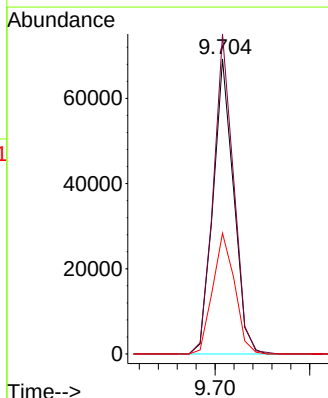
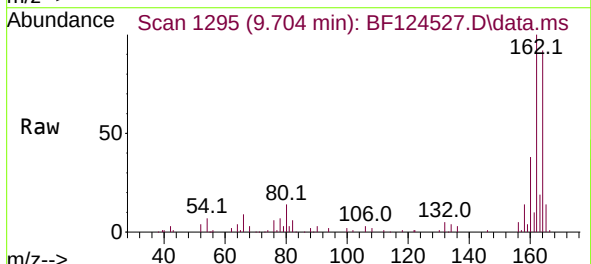
Instrument :
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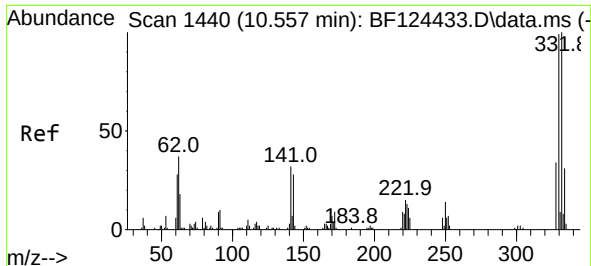
Tgt Ion: 82 Resp: 158246
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion: 164 Resp: 52155
Ion Ratio Lower Upper
164 100
162 108.5 80.7 121.1
160 40.9 37.3 55.9

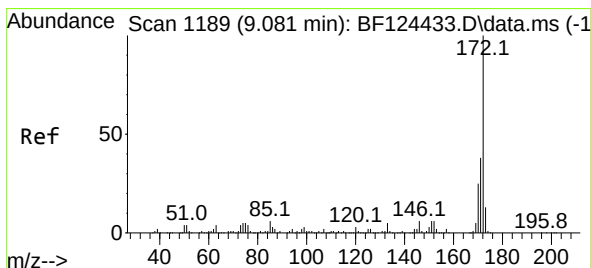
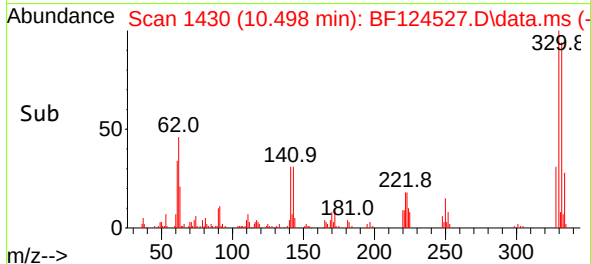
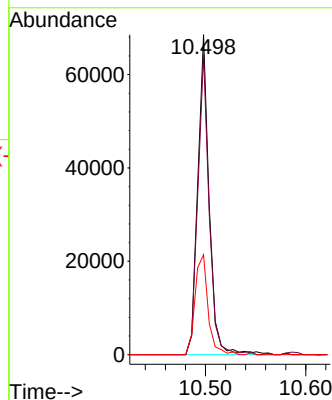
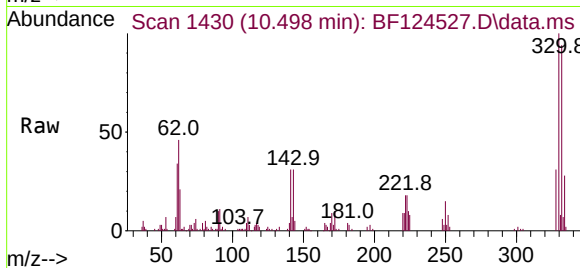




#42
2,4,6-Tribromophenol
Concen: 87.60 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

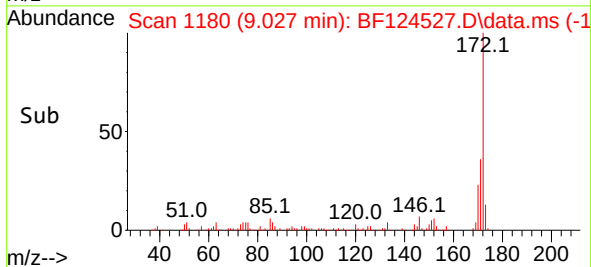
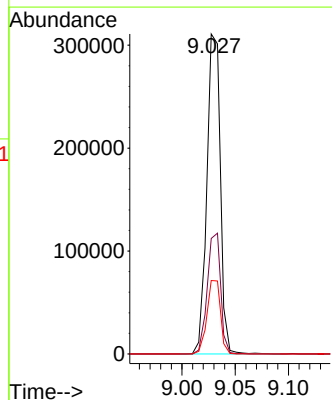
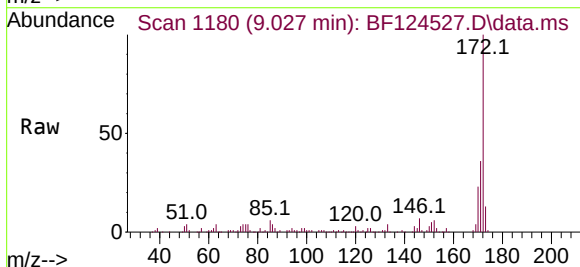
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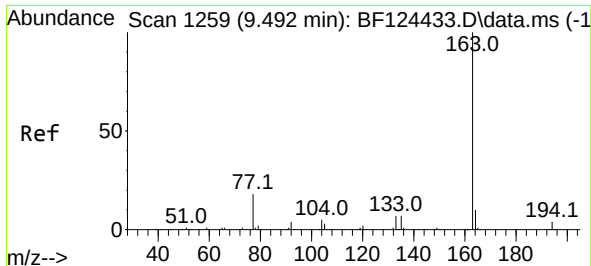
Tgt Ion: 330 Resp: 54588
Ion Ratio Lower Upper
330 100
332 92.9 77.1 115.7
141 35.4 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 64.67 ng
RT: 9.027 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion: 172 Resp: 275342
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 22.9 19.2 28.8

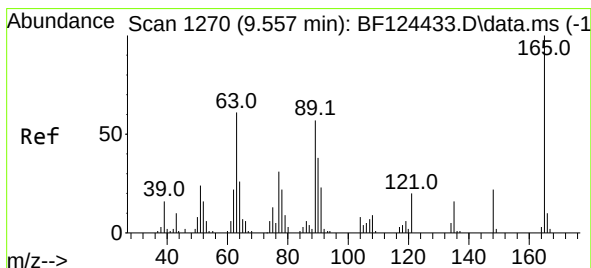
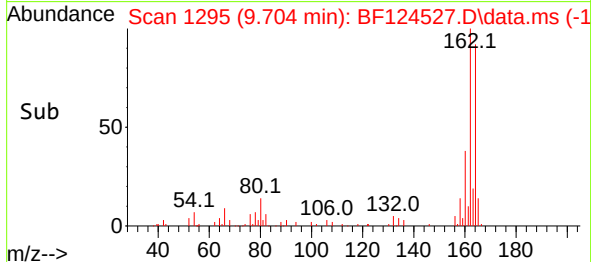
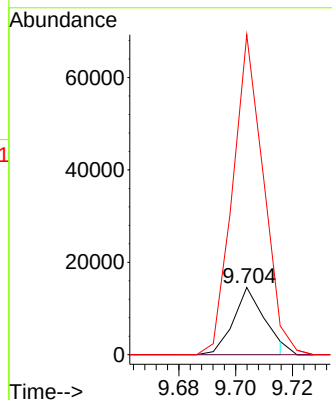
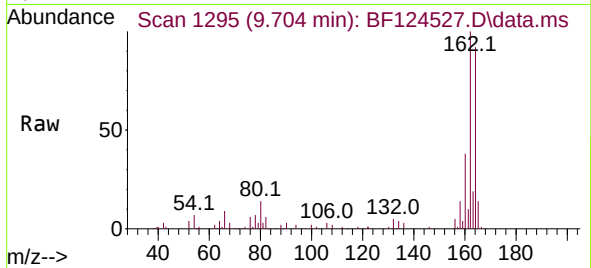




#50
Dimethylphthalate
Concen: 2.72 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.259 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

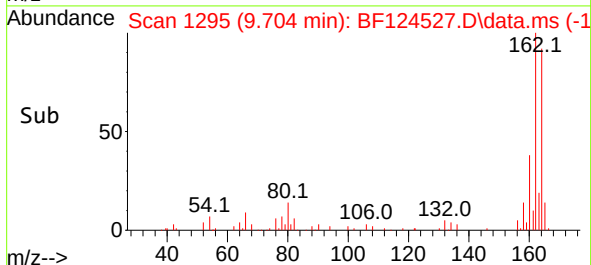
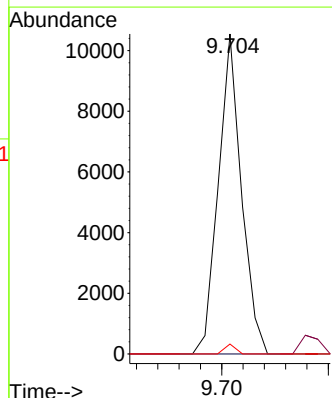
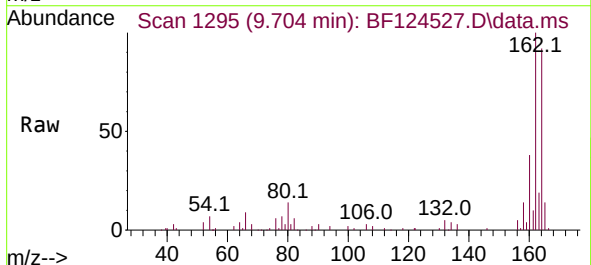
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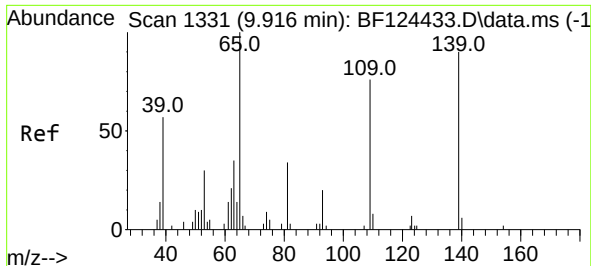
Tgt Ion:163 Resp: 11184
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 475.7 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 8.35 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.194 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:165 Resp: 7927
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 3.1 58.8 88.2#

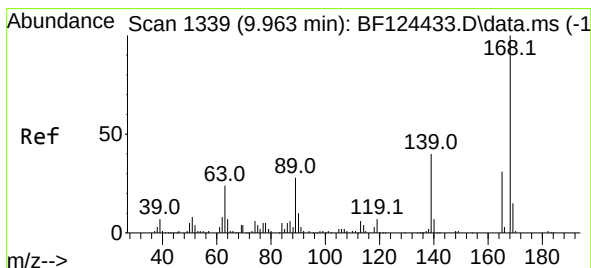
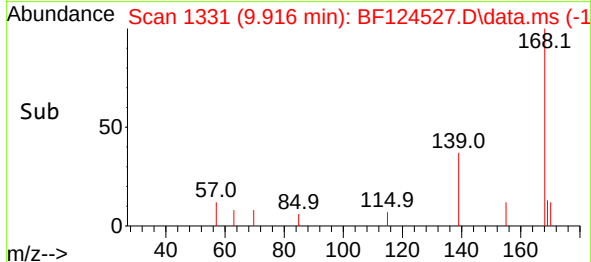
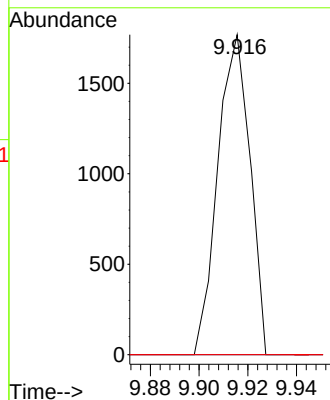
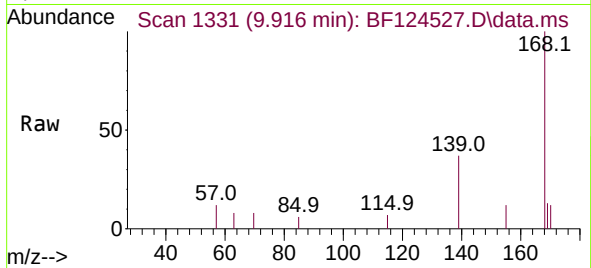




#56
4-Nitrophenol
Concen: 3.68 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.041 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

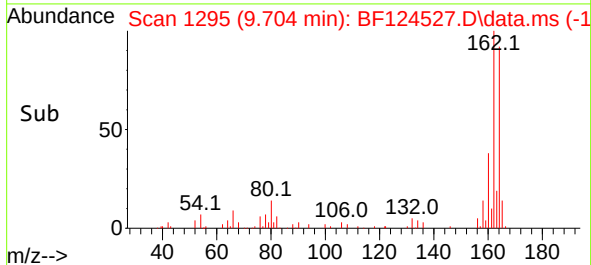
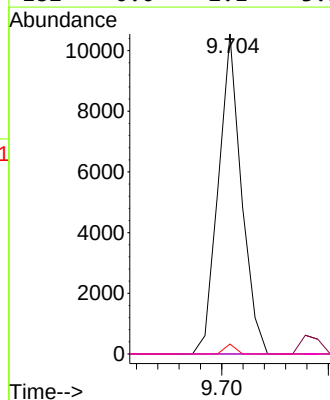
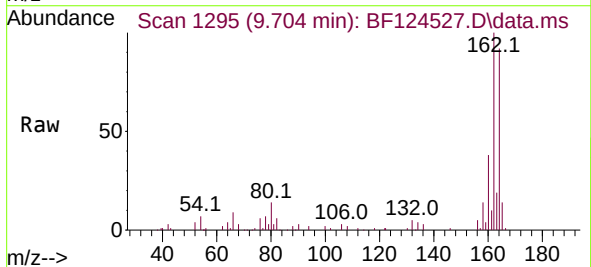
Instrument :
BNA_F
ClientSampleId :
D-3100

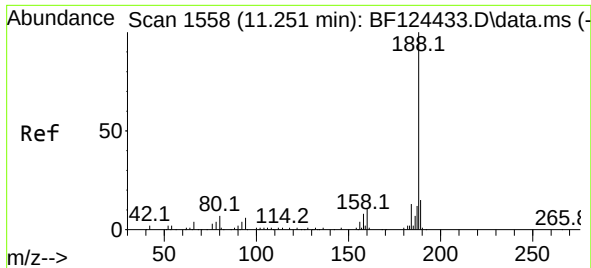
Tgt Ion:139 Resp: 1622
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 6.30 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.218 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:165 Resp: 7927
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 3.1 67.7 101.5#
182 0.0 2.1 3.1#

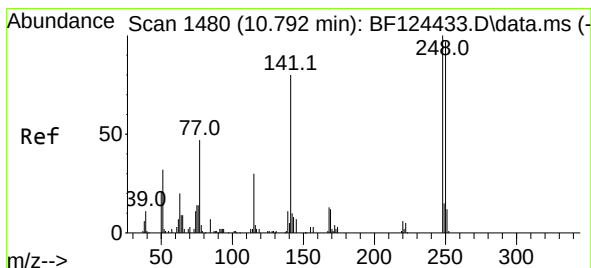
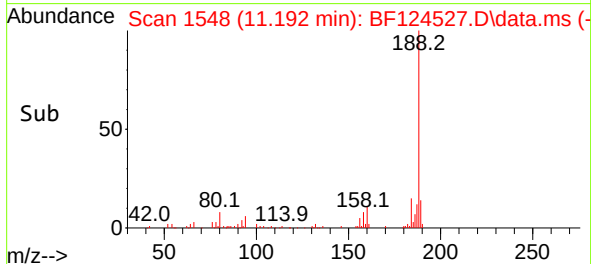
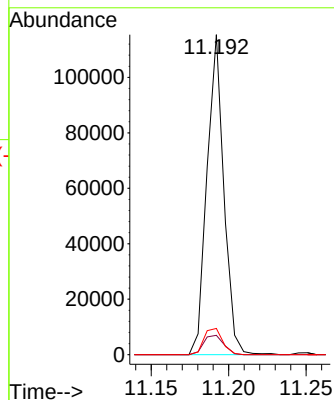
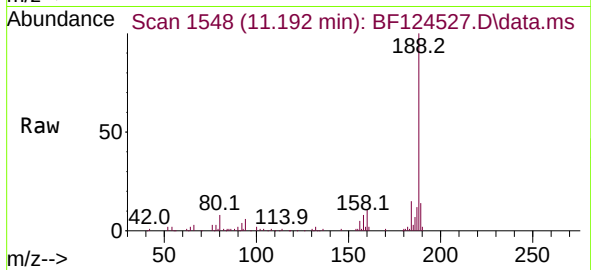




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

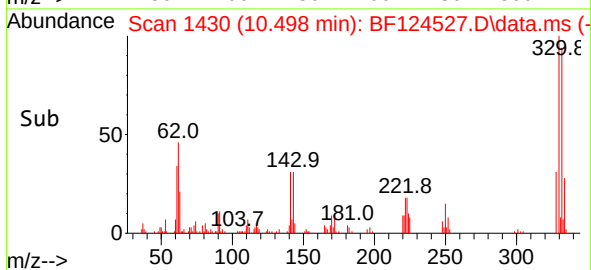
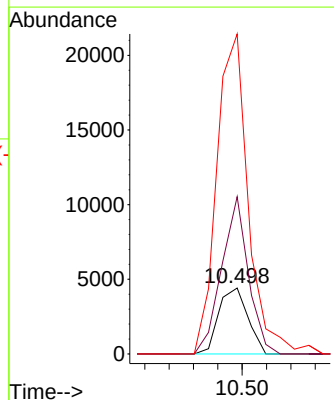
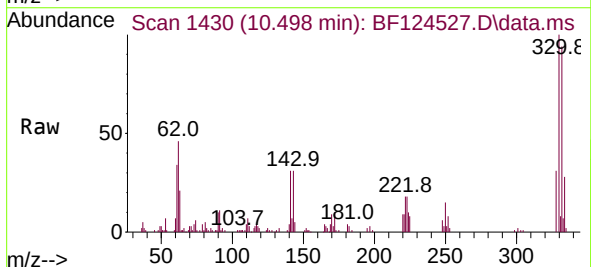
Instrument :
BNA_F
ClientSampleId :
D-3100

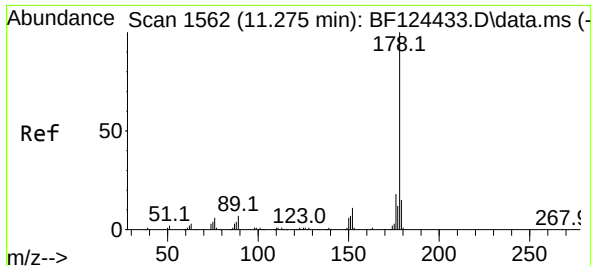
Tgt Ion:188 Resp: 87382
Ion Ratio Lower Upper
188 100
94 6.1 6.9 10.3#
80 8.2 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.12 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.241 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:248 Resp: 3664
Ion Ratio Lower Upper
248 100
250 238.3 77.4 116.2#
141 484.9 63.7 95.5#

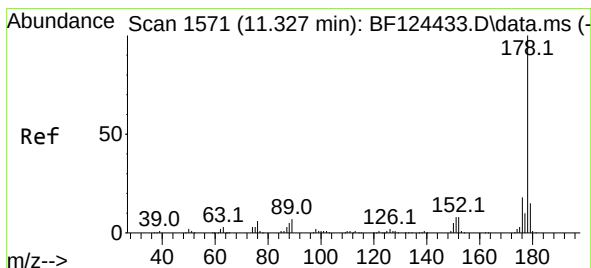
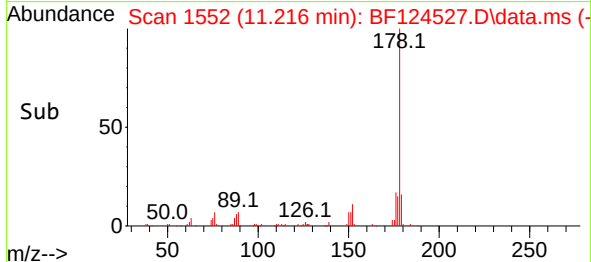
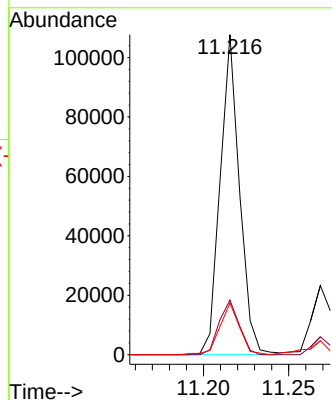
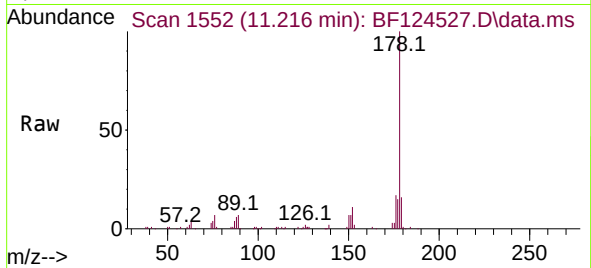




#71
Phenanthrene
Concen: 15.47 ng
RT: 11.216 min Scan# 1552
Delta R.T. -0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

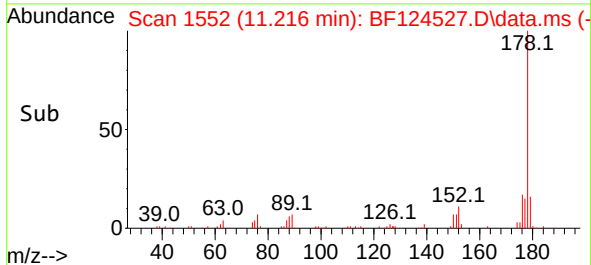
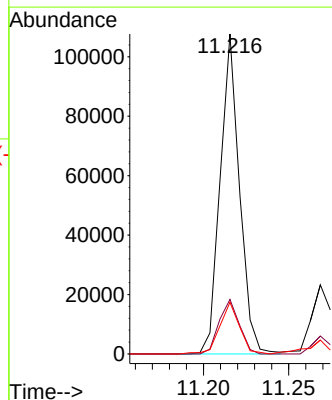
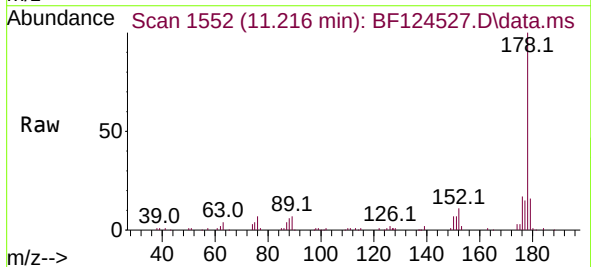
Instrument :
BNA_F
ClientSampleId :
D-3100

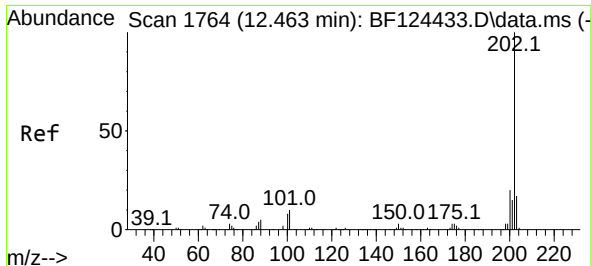
Tgt Ion:178 Resp: 85226
Ion Ratio Lower Upper
178 100
176 17.0 15.6 23.4
179 16.1 12.5 18.7



#72
Anthracene
Concen: 15.53 ng
RT: 11.216 min Scan# 1552
Delta R.T. -0.059 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:178 Resp: 85226
Ion Ratio Lower Upper
178 100
176 17.0 15.4 23.0
179 16.1 12.6 18.8

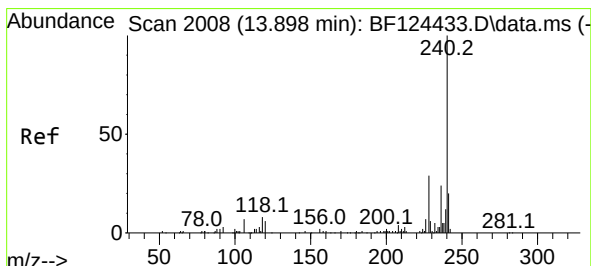
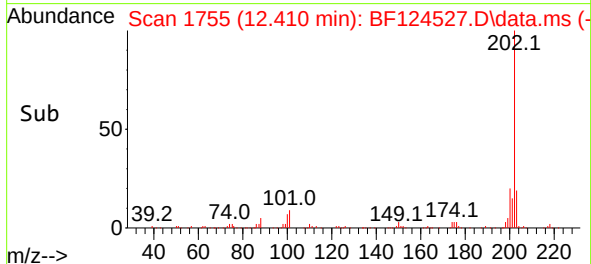
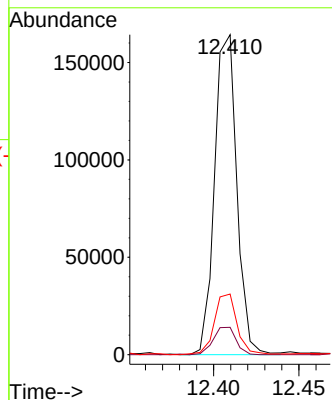
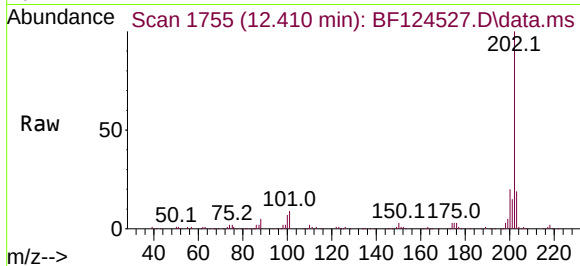




#75
Fluoranthene
Concen: 27.00 ng
RT: 12.410 min Scan# 1755
Delta R.T. -0.000 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

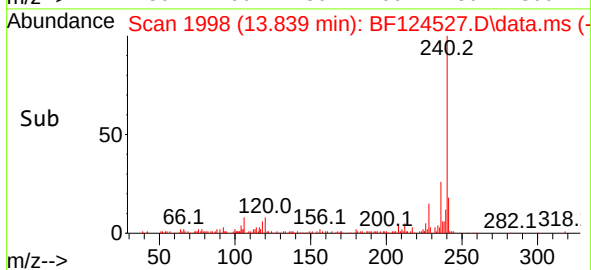
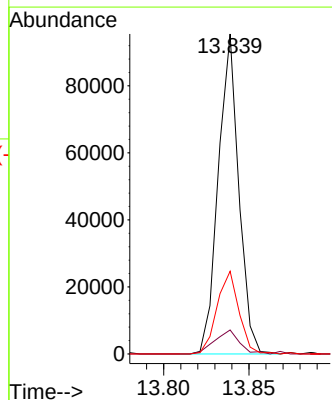
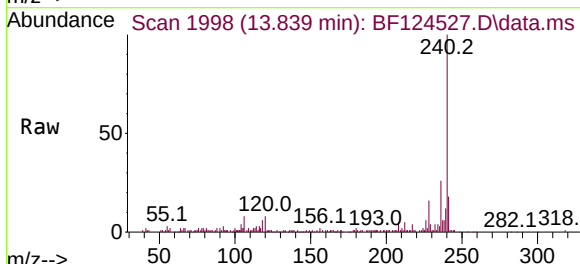
Instrument :
BNA_F
ClientSampleId :
D-3100

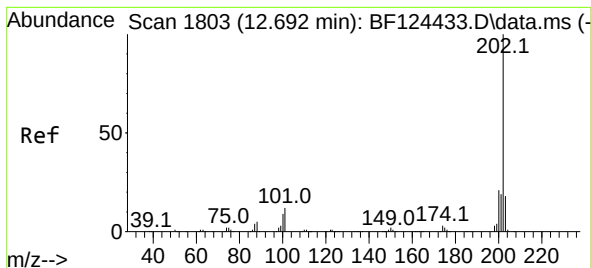
Tgt Ion:202	Resp:	149693
Ion Ratio	Lower	Upper
202	100	
101	8.6	0.0 30.9
203	19.0	0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.839 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:240	Resp:	79827
Ion Ratio	Lower	Upper
240	100	
120	7.5	7.2 10.8
236	25.9	19.0 28.4





#78

Pyrene

Concen: 19.55 ng

RT: 12.633 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BF124527.D

Acq: 2 Jul 2021 20:02

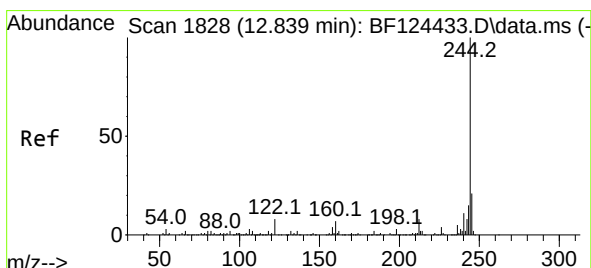
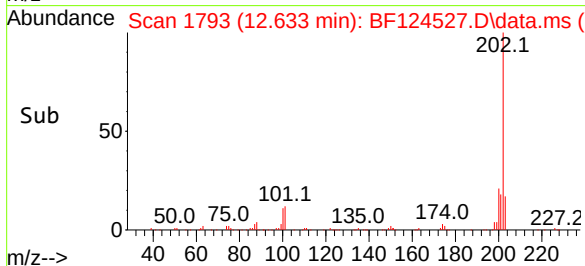
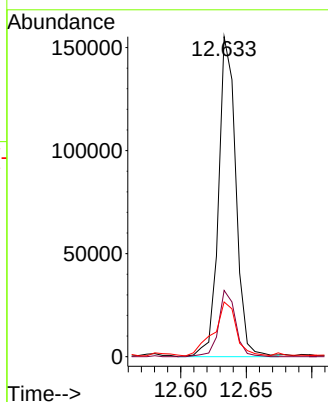
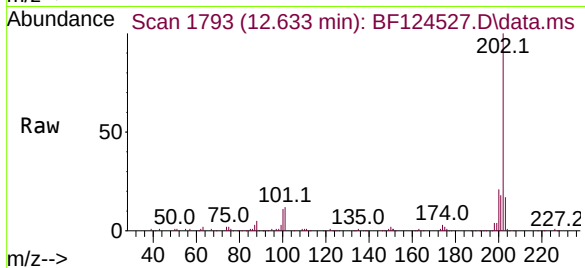
Tgt Ion:202 Resp: 142463

Ion Ratio Lower Upper

202 100

200 20.7 16.1 24.1

203 17.1 14.8 22.2



#79

Terphenyl-d14

Concen: 45.84 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.006 min

Lab File: BF124527.D

Acq: 2 Jul 2021 20:02

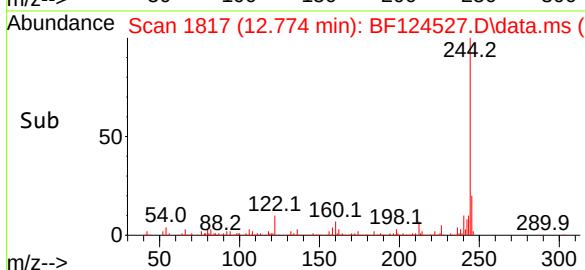
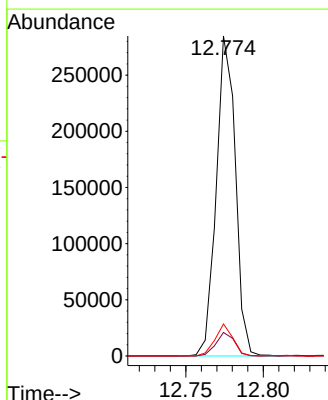
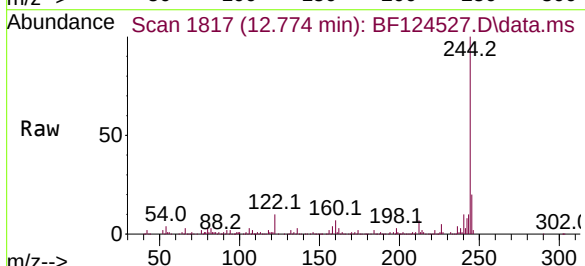
Tgt Ion:244 Resp: 244331

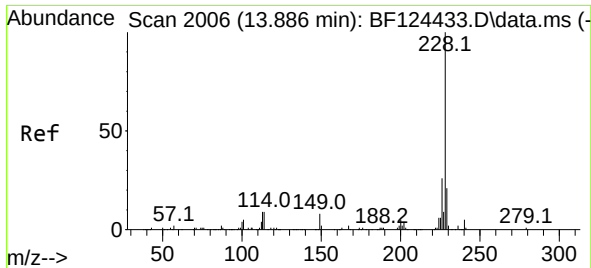
Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

122 10.0 9.7 14.5

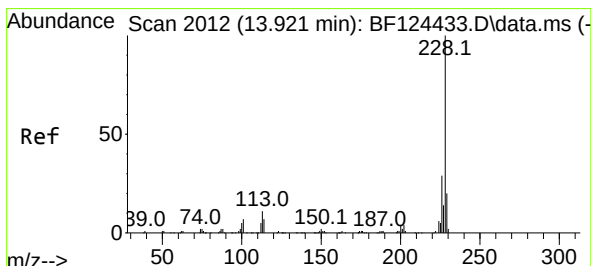
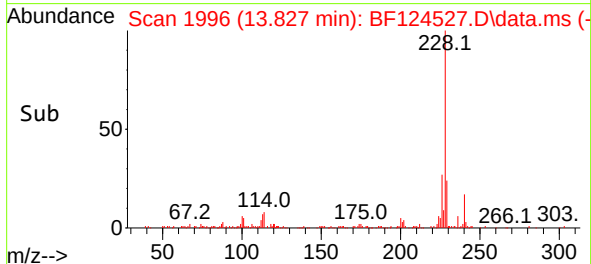
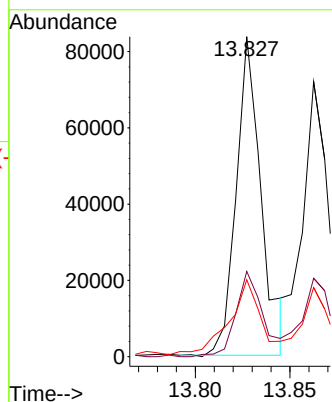
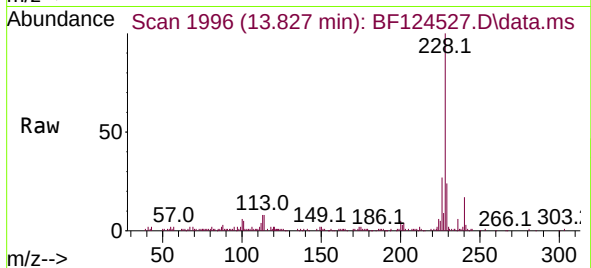




#81
Benzo(a)anthracene
Concen: 13.26 ng
RT: 13.827 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

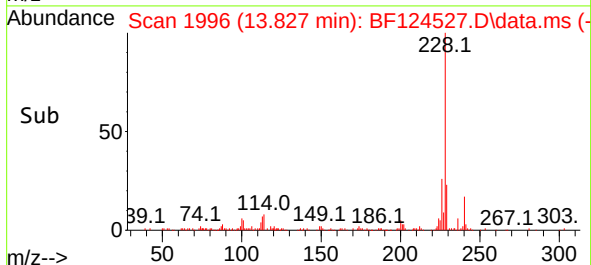
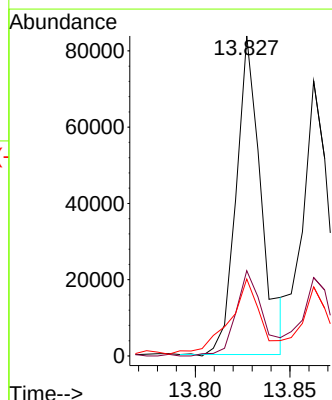
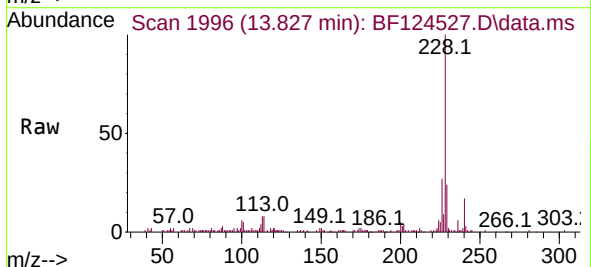
Instrument :
BNA_F
ClientSampled :
D-3100

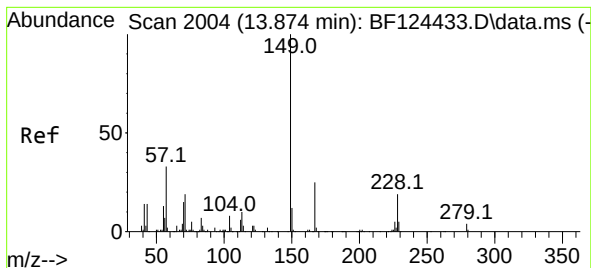
Tgt Ion:228 Resp: 76324
Ion Ratio Lower Upper
228 100
226 26.6 22.4 33.6
229 24.1 16.0 24.0#



#83
Chrysene
Concen: 13.38 ng
RT: 13.827 min Scan# 1996
Delta R.T. -0.041 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:228 Resp: 76324
Ion Ratio Lower Upper
228 100
226 26.6 24.3 36.5
229 24.1 16.2 24.2

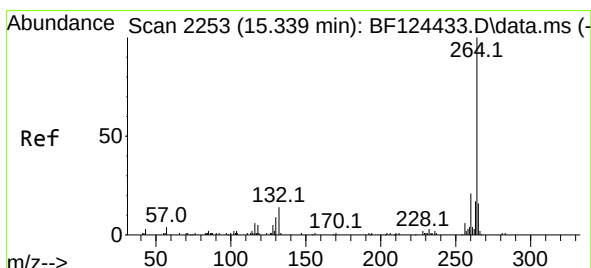
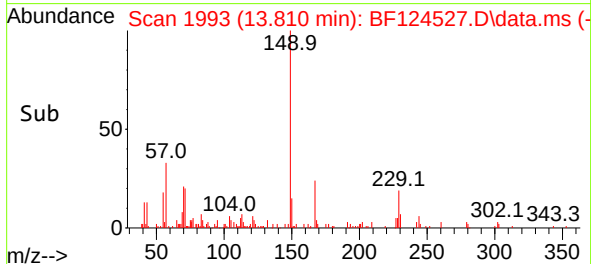
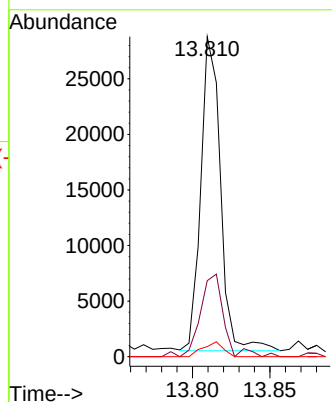
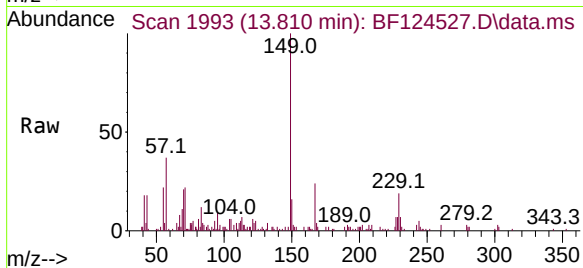




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.45 ng
RT: 13.810 min Scan# 1993
Delta R.T. -0.000 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

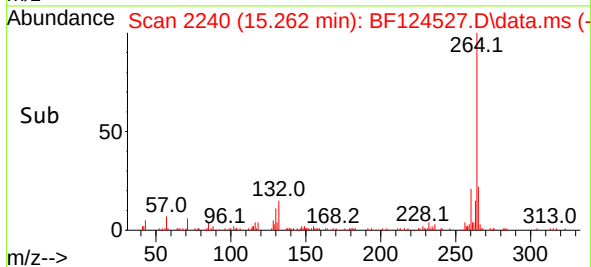
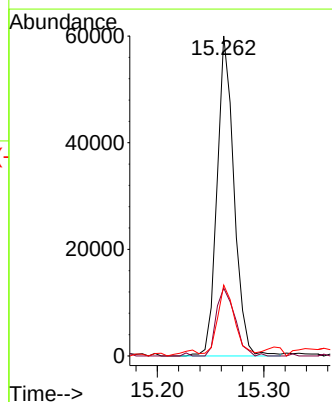
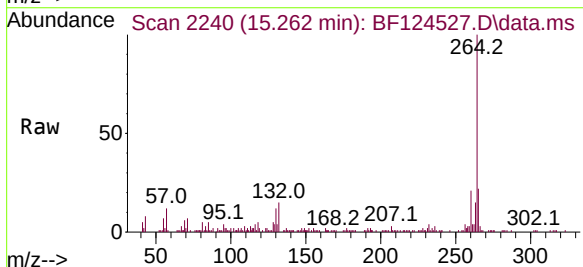
Instrument :
BNA_F
ClientSampleId :
D-3100

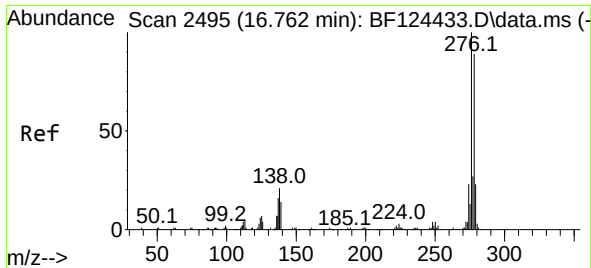
Tgt Ion:149 Resp: 25024
Ion Ratio Lower Upper
149 100
167 23.8 21.8 32.6
279 3.2 3.3 4.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.262 min Scan# 2240
Delta R.T. -0.000 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:264 Resp: 66121
Ion Ratio Lower Upper
264 100
260 21.2 18.7 28.1
265 22.2 17.8 26.8

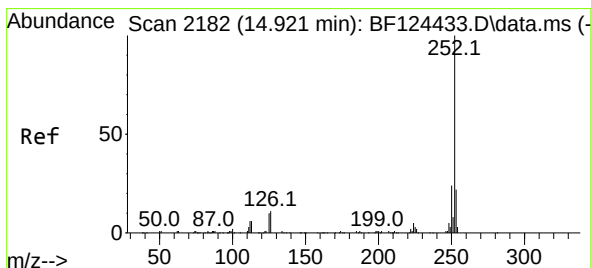
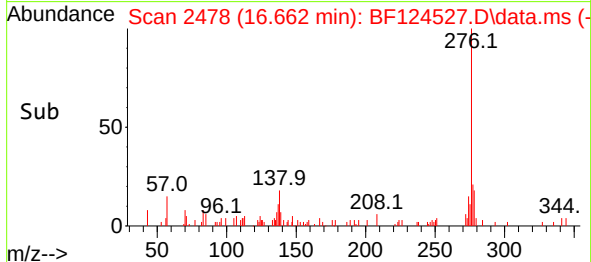
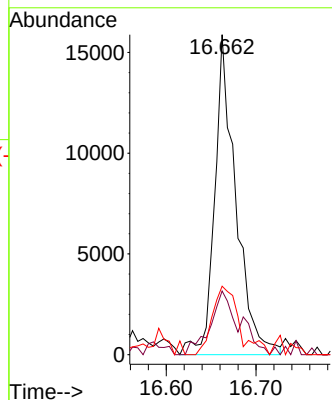
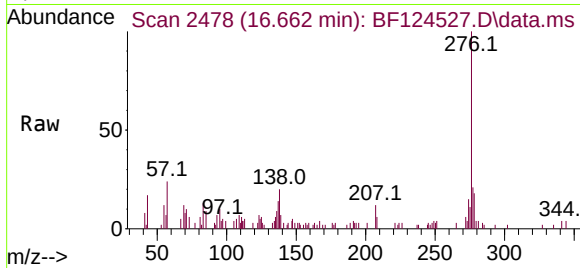




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.01 ng
RT: 16.662 min Scan# 2478
Delta R.T. 0.012 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

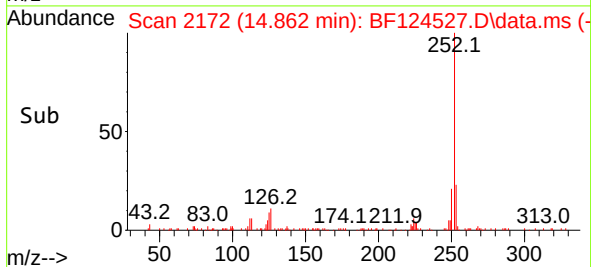
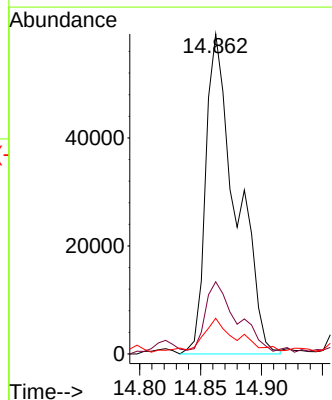
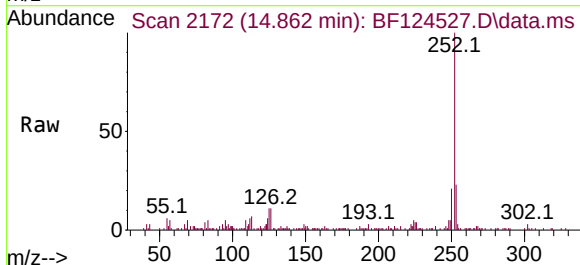
Instrument :
BNA_F
ClientSampleId :
D-3100

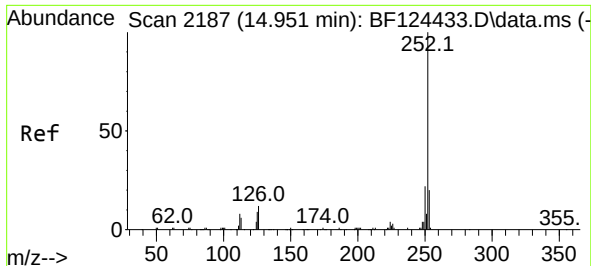
Tgt Ion:276 Resp: 26129
Ion Ratio Lower Upper
276 100
138 21.1 16.2 24.2
277 25.2 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 20.48 ng
RT: 14.862 min Scan# 2172
Delta R.T. 0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

Tgt Ion:252 Resp: 102601
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 11.1 6.2 9.4#

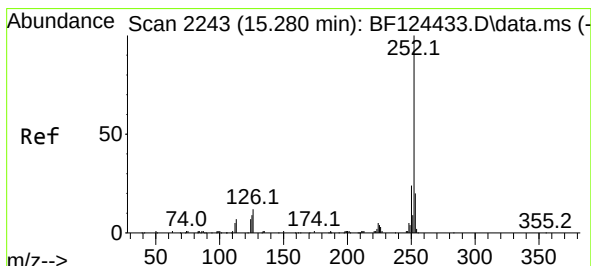
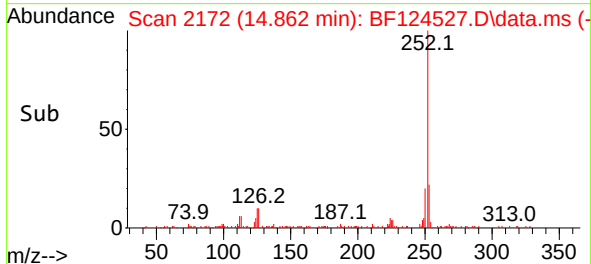
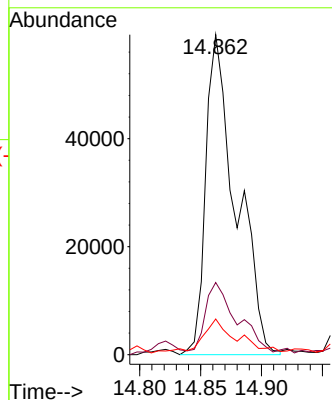
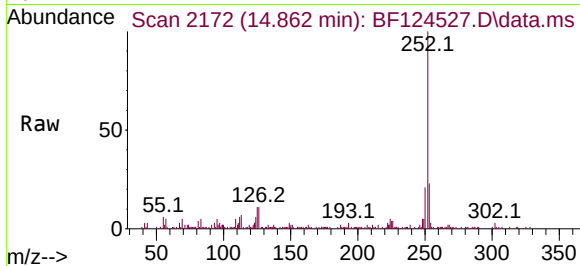




#89
Benzo(k)fluoranthene
Concen: 22.38 ng
RT: 14.862 min Scan# 2172
Delta R.T. -0.024 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

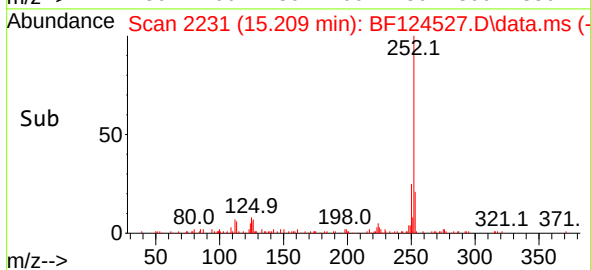
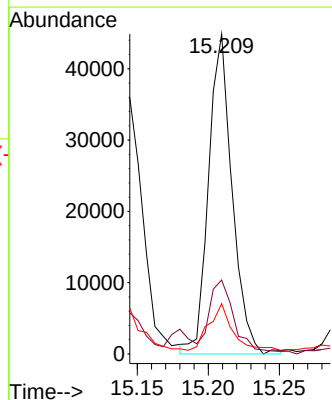
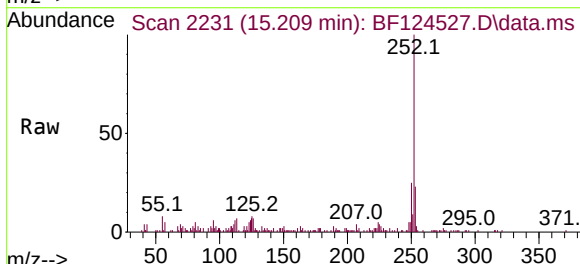
Instrument :
BNA_F
ClientSampleId :
D-3100

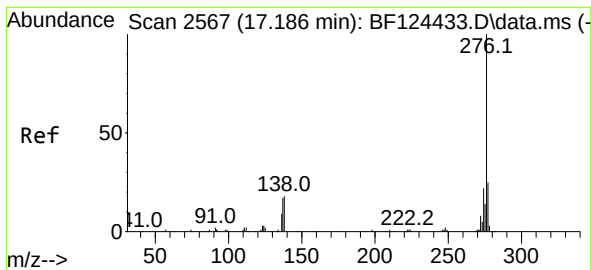
Tgt Ion:252 Resp: 102601
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 11.1 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 11.63 ng
RT: 15.209 min Scan# 2231
Delta R.T. 0.006 min
Lab File: BF124527.D
Acq: 2 Jul 2021 20:02

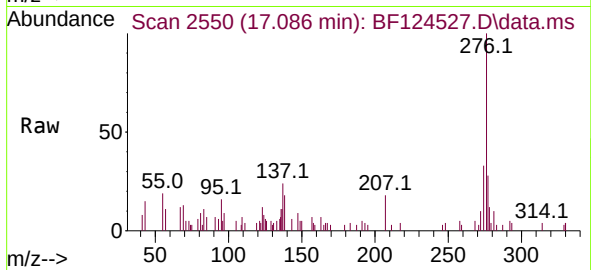
Tgt Ion:252 Resp: 51775
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 15.7 8.0 12.0#





#92
 Benzo(g,h,i)perylene
 Concen: 4.64 ng
 RT: 17.086 min Scan# 2550
 Delta R.T. 0.018 min
 Lab File: BF124527.D
 Acq: 2 Jul 2021 20:02

Instrument :
 BNA_F
 ClientSampleId :
 D-3100



Tgt Ion:	276	Resp:	20522
Ion	Ratio	Lower	Upper
276	100		
277	28.2	18.2	27.2#
138	17.6	13.8	20.6

