

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090822\
 Data File : BF130187.D
 Acq On : 08 Sep 2022 19:53
 Operator : CG\JU
 Sample : N4534-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FL-D

Quant Time: Sep 09 01:08:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 07 02:05:07 2022
 Response via : Initial Calibration

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

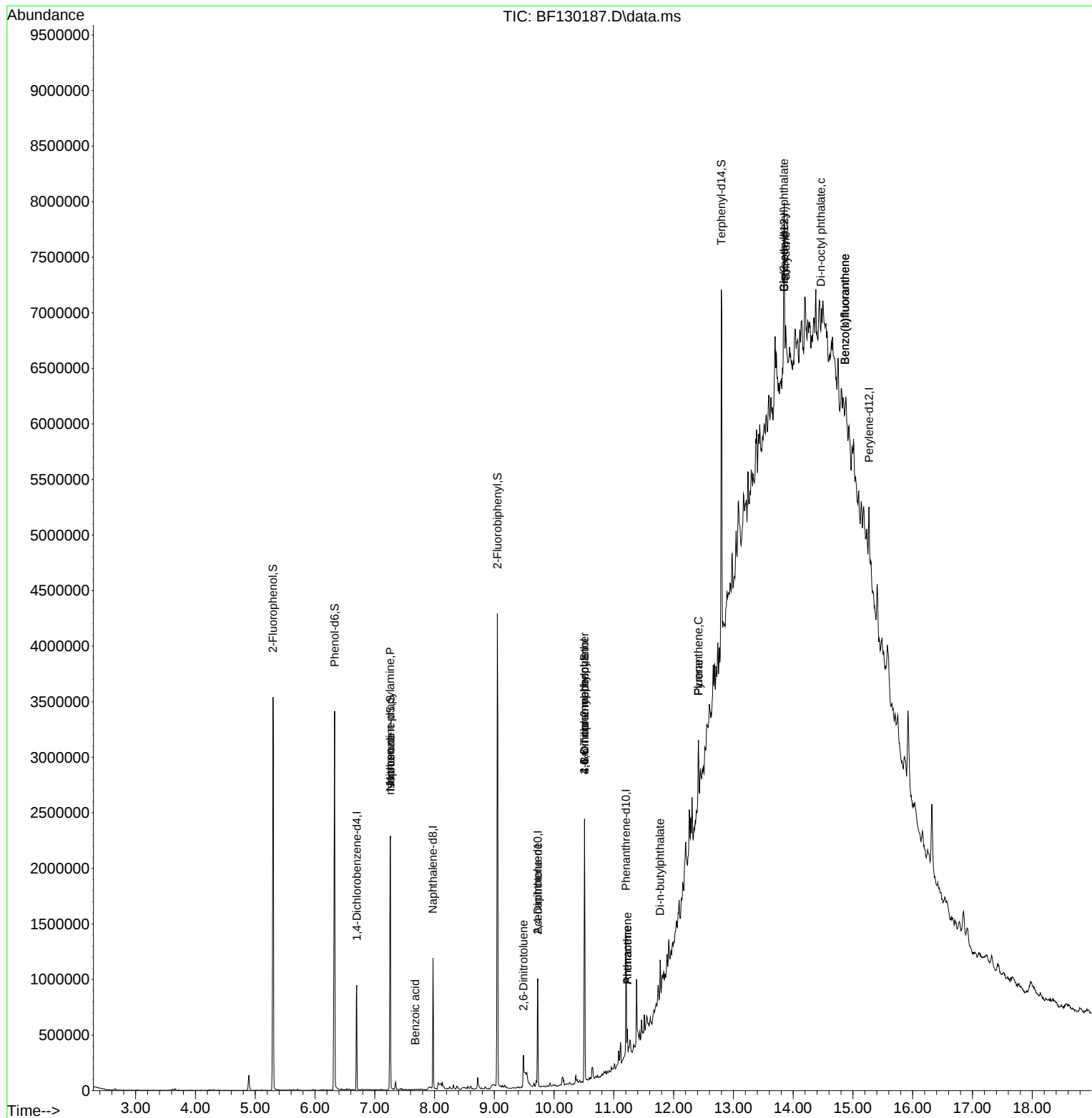
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.698	152	140198	20.000	ng	0.00
21) Naphthalene-d8	7.975	136	462401	20.000	ng	0.00
39) Acenaphthene-d10	9.728	164	203983	20.000	ng	0.00
64) Phenanthrene-d10	11.204	188	349058	20.000	ng	0.00
76) Chrysene-d12	13.851	240	288406	20.000	ng	# 0.00
86) Perylene-d12	15.268	264	317252	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	1124923	136.217	ng	0.00
7) Phenol-d6	6.328	99	1291266	125.417	ng	0.00
23) Nitrobenzene-d5	7.263	82	781937	108.676	ng	0.00
42) 2,4,6-Tribromophenol	10.510	330	256235	137.997	ng	-0.01
45) 2-Fluorobiphenyl	9.051	172	1259880	102.402	ng	0.00
79) Terphenyl-d14	12.798	244	1387736	83.442	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.257	70	102631	16.546	ng	# 73
25) Isophorone	7.263	82	778919	53.487	ng	# 65
32) Benzoic acid	7.675	122	606	6.677	ng	# 79
51) 2,6-Dinitrotoluene	9.486	165	35009	12.924	ng	# 24
57) 2,4-Dinitrotoluene	9.728	165	26506	8.499	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.510	198	620	6.410	ng	# 1
67) 4-Bromophenyl-phenylether	10.510	248	15665	4.035	ng	# 1
71) Phenanthrene	11.227	178	62720	3.313	ng	99
72) Anthracene	11.227	178	62720	3.370	ng	99
74) Di-n-butylphthalate	11.774	149	156027	7.540	ng	99
75) Fluoranthene	12.416	202	96170	5.123	ng	96
78) Pyrene	12.416	202	96170	3.718	ng	97
83) Chrysene	13.874	228	70208	3.603	ng	# 86
84) Bis(2-ethylhexyl)phtha...	13.845	149	525680	41.102	ng	97
85) Di-n-octyl phthalate	14.463	149	69726	3.451	ng	# 73
88) Benzo(b)fluoranthene	14.868	252	69246	3.273	ng	# 1
89) Benzo(k)fluoranthene	14.868	252	69246	3.384	ng	# 1

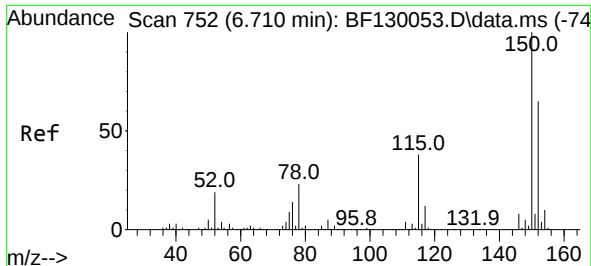
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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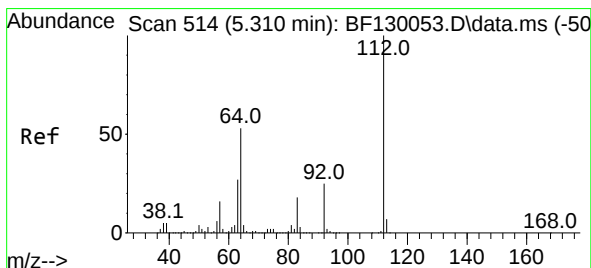
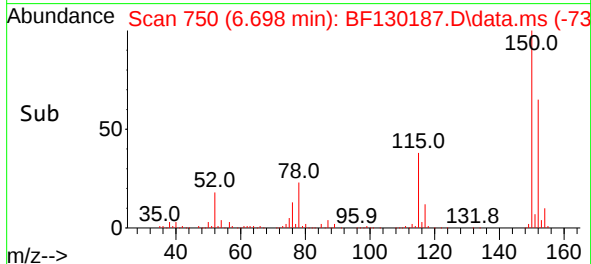
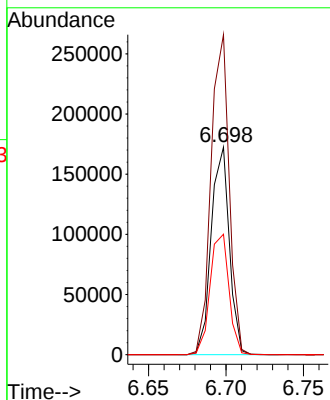
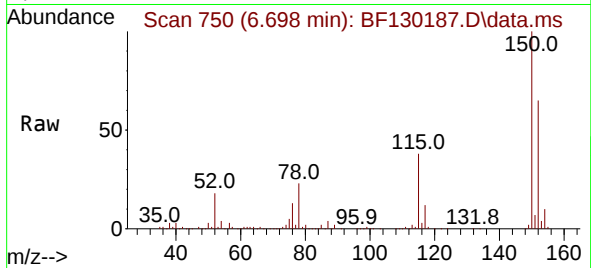




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.698 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

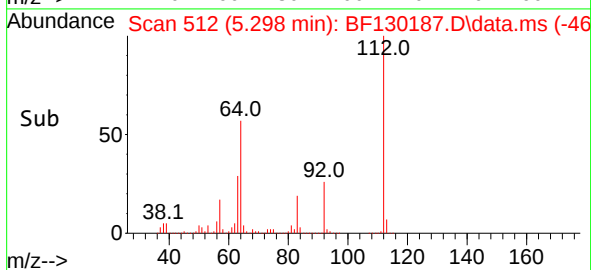
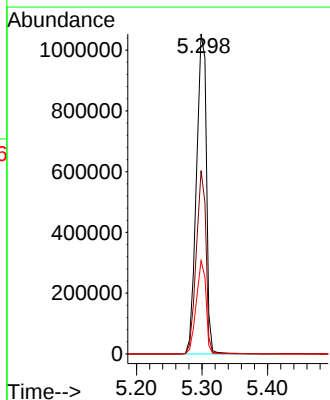
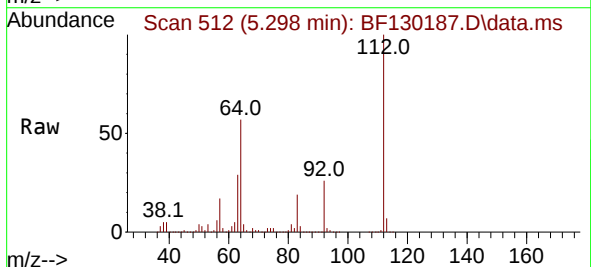
Instrument :
BNA_F
ClientSampleId :
FL-D

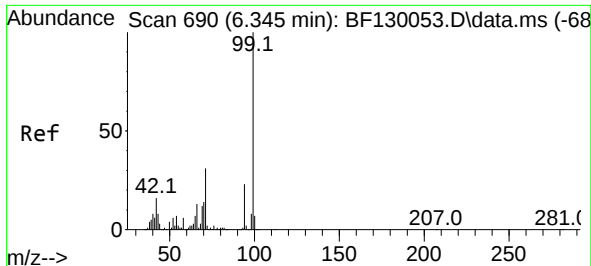
Tgt Ion:152 Resp: 140198
Ion Ratio Lower Upper
152 100
150 154.2 126.9 190.3
115 58.0 53.4 80.0



#5
2-Fluorophenol
Concen: 136.217 ng
RT: 5.298 min Scan# 512
Delta R.T. -0.000 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

Tgt Ion:112 Resp: 1124923
Ion Ratio Lower Upper
112 100
64 57.3 47.6 71.4
63 29.1 24.6 37.0

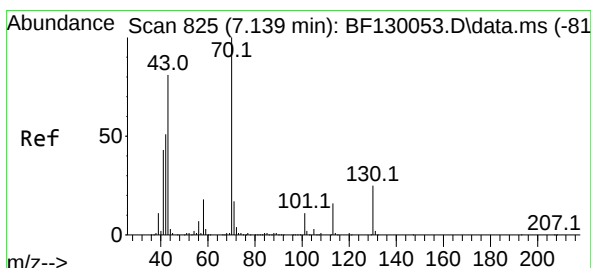
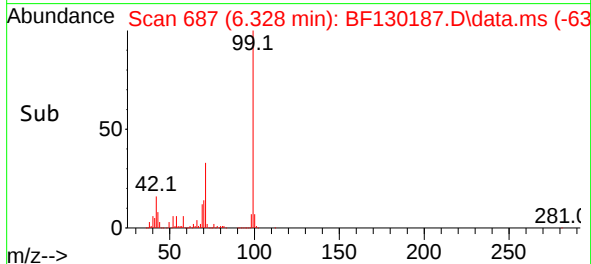
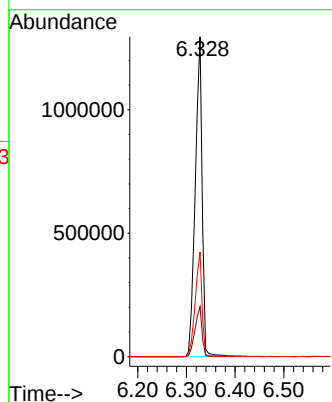
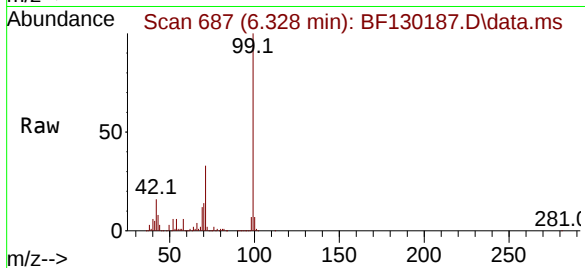




#7
Phenol-d6
Concen: 125.417 ng
RT: 6.328 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

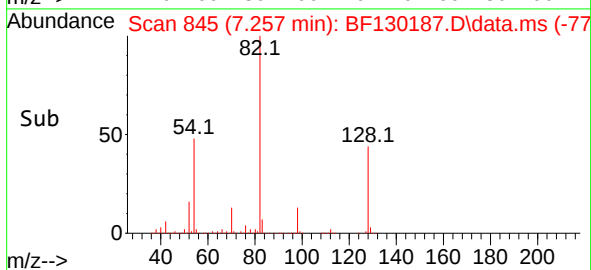
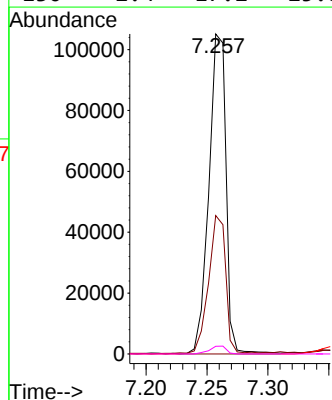
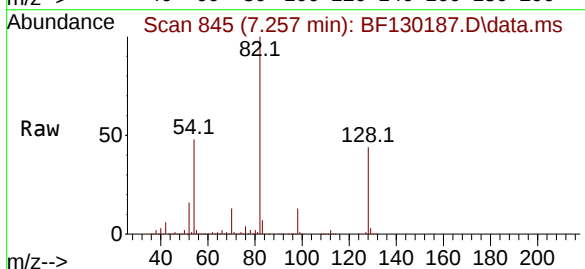
Instrument :
BNA_F
ClientSampleId :
FL-D

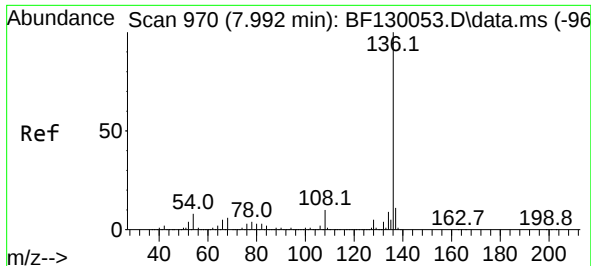
Tgt Ion: 99 Resp: 1291266
Ion Ratio Lower Upper
99 100
42 15.7 15.0 22.4
71 32.7 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.546 ng
RT: 7.257 min Scan# 845
Delta R.T. 0.129 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

Tgt Ion: 70 Resp: 102631
Ion Ratio Lower Upper
70 100
42 43.3 47.6 71.4#
101 0.0 8.1 12.1#
130 2.4 17.2 25.8#



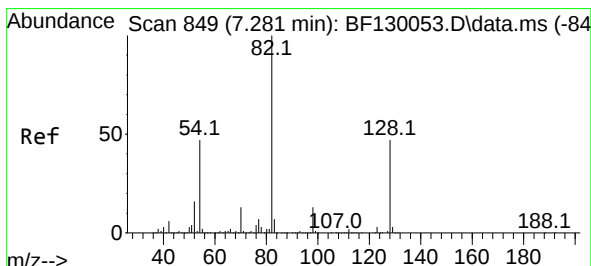
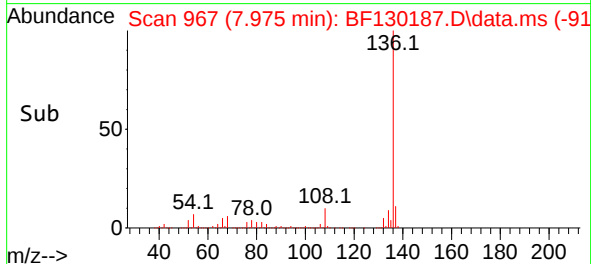
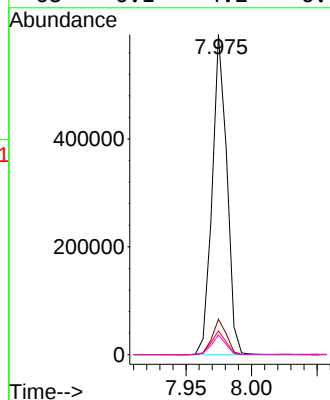
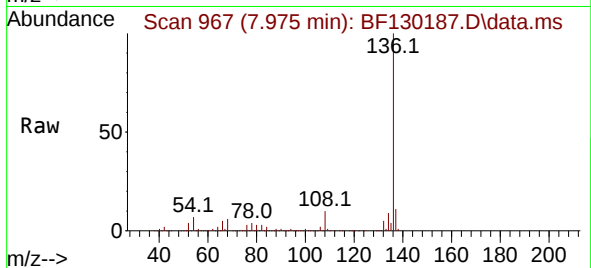


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.975 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

Instrument :
BNA_F
ClientSampleId :
FL-D

Tgt Ion:136 Resp: 462401

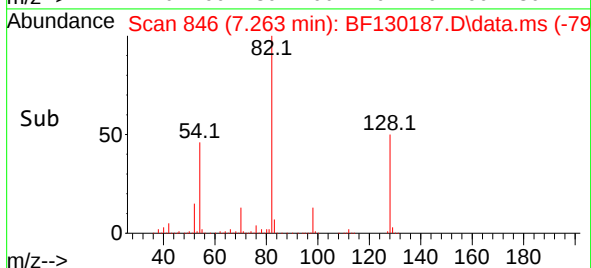
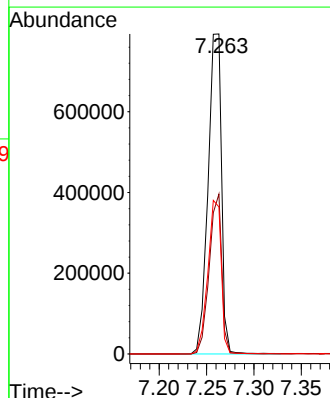
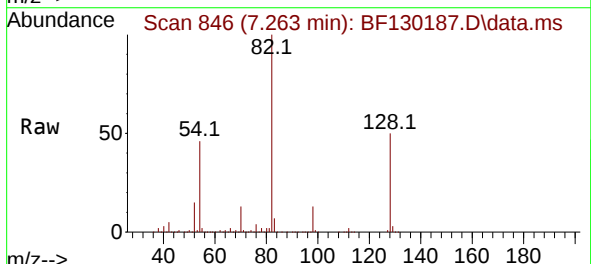
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	7.4	6.2	9.2
68	6.1	4.2	6.4

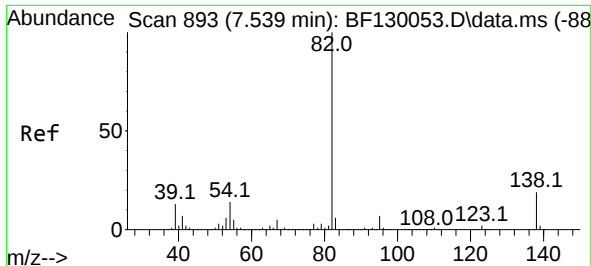


#23
Nitrobenzene-d5
Concen: 108.676 ng
RT: 7.263 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

Tgt Ion: 82 Resp: 781937

Ion	Ratio	Lower	Upper
82	100		
128	50.0	36.1	54.1
54	46.0	40.0	60.0

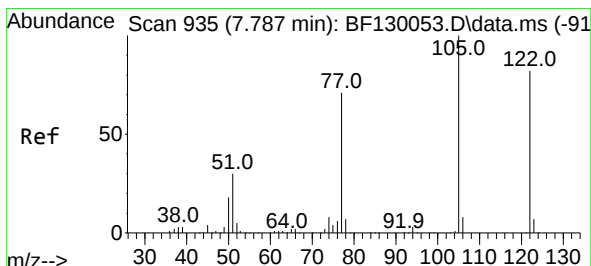
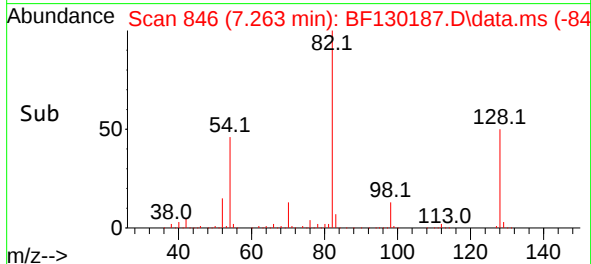
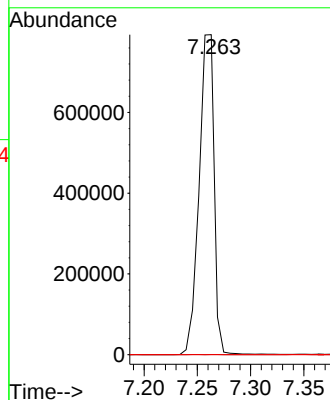
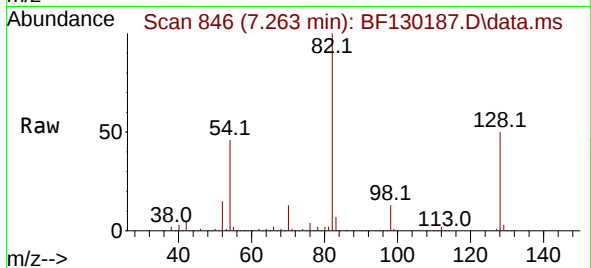




#25
Isophorone
Concen: 53.487 ng
RT: 7.263 min Scan# 84
Delta R.T. -0.265 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

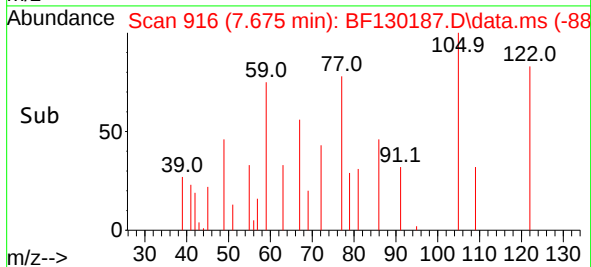
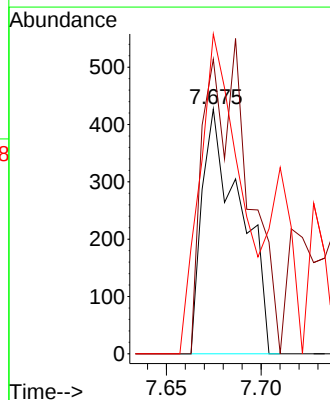
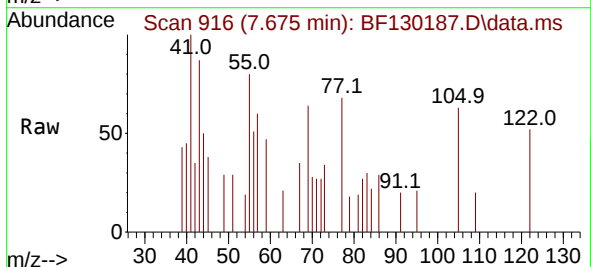
Instrument :
BNA_F
ClientSampleId :
FL-D

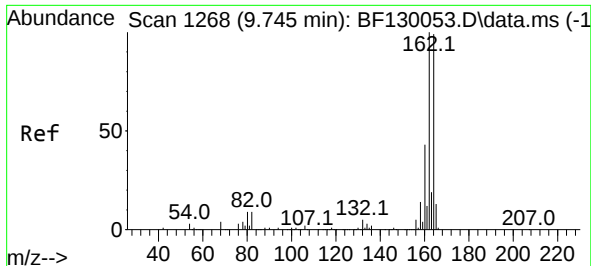
Tgt Ion: 82 Resp: 778919
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 6.677 ng
RT: 7.675 min Scan# 916
Delta R.T. -0.094 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

Tgt Ion: 122 Resp: 606
Ion Ratio Lower Upper
122 100
105 120.4 99.9 139.9
77 130.7 65.9 105.9#

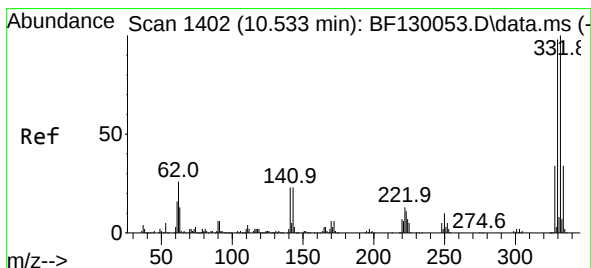
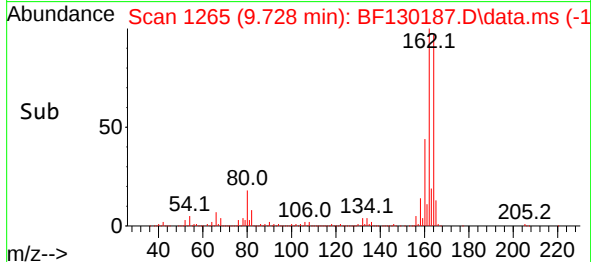
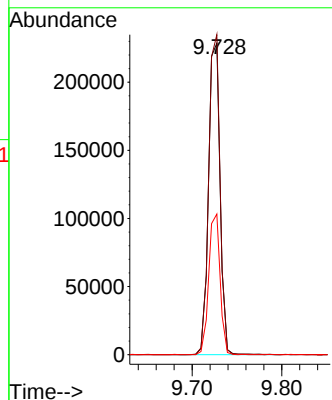
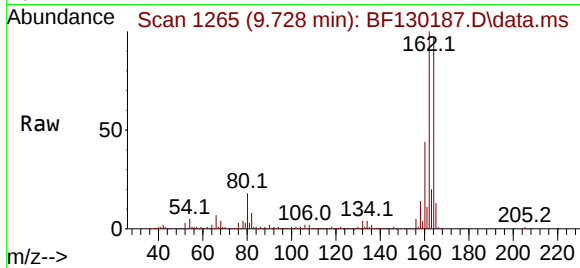




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.728 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

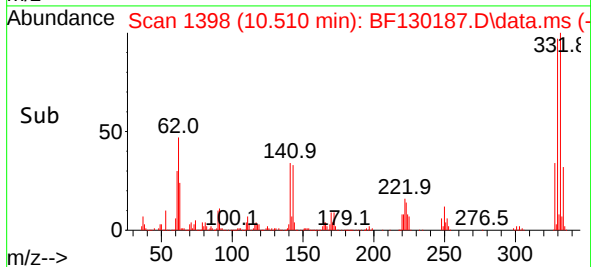
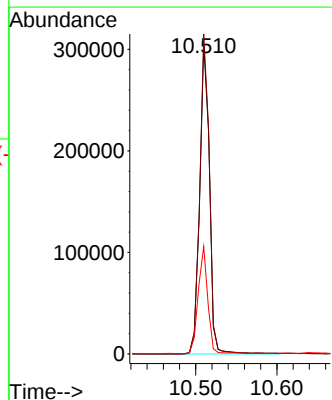
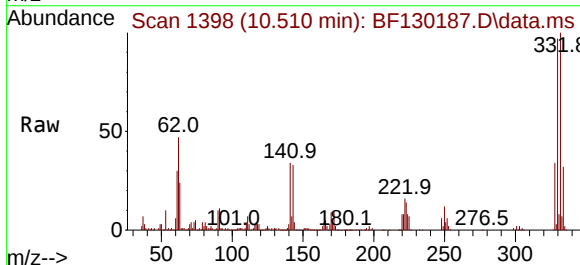
Instrument :
BNA_F
ClientSampleId :
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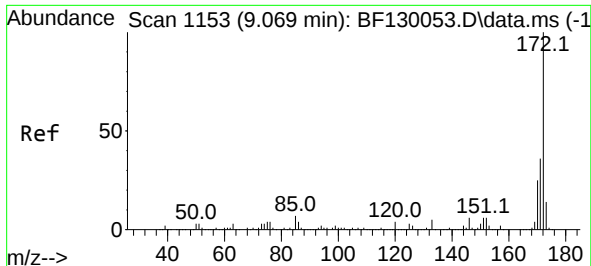
Tgt Ion:164 Resp: 203983
Ion Ratio Lower Upper
164 100
162 102.7 82.0 123.0
160 45.2 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 137.997 ng
RT: 10.510 min Scan# 1398
Delta R.T. -0.012 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

Tgt Ion:330 Resp: 256235
Ion Ratio Lower Upper
330 100
332 102.4 82.6 124.0
141 33.9 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 102.402 ng

RT: 9.051 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF130187.D

Acq: 08 Sep 2022 19:53

Instrument :

BNA_F

ClientSampleId :

FL-D

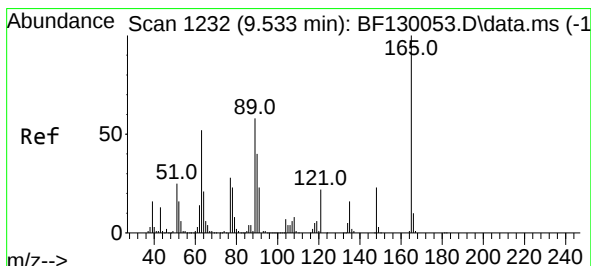
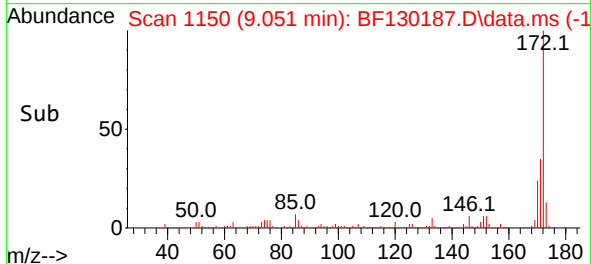
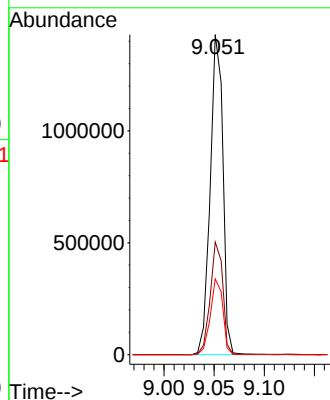
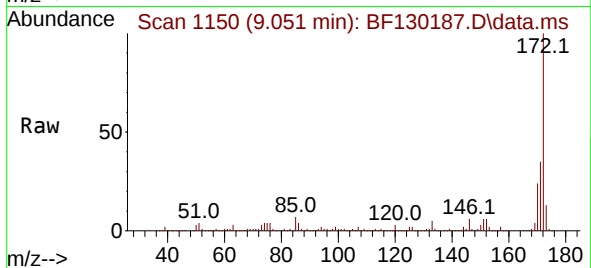
Tgt Ion:172 Resp: 1259880

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.7 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 12.924 ng

RT: 9.486 min Scan# 1224

Delta R.T. -0.041 min

Lab File: BF130187.D

Acq: 08 Sep 2022 19:53

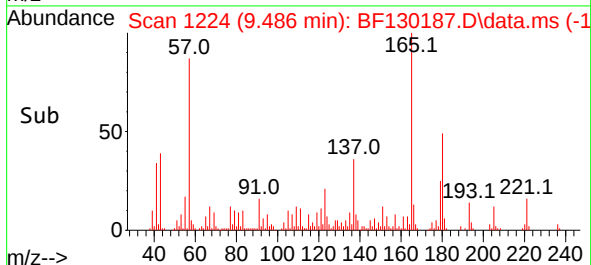
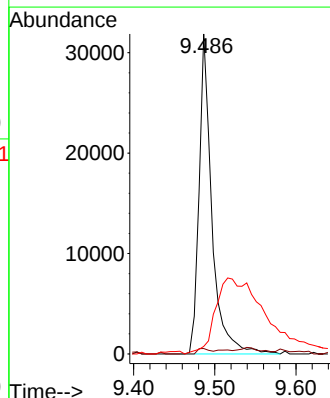
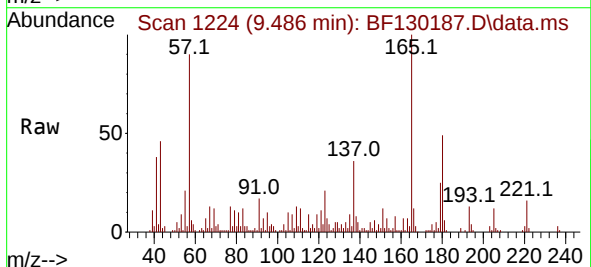
Tgt Ion:165 Resp: 35009

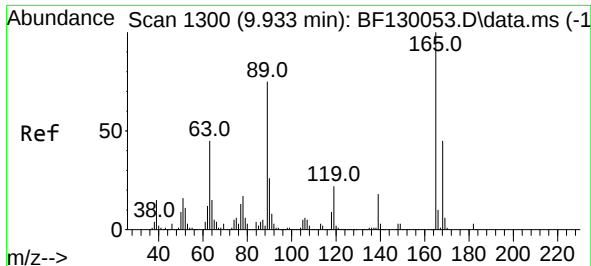
Ion Ratio Lower Upper

165 100

63 1.7 47.8 71.8#

89 2.3 47.2 70.8#





#57

2,4-Dinitrotoluene

Concen: 8.499 ng

RT: 9.728 min Scan# 1

Delta R.T. -0.194 min

Lab File: BF130187.D

Acq: 08 Sep 2022 19:53

Instrument :

BNA_F

ClientSampleId :

FL-D

Tgt Ion:165 Resp: 26506

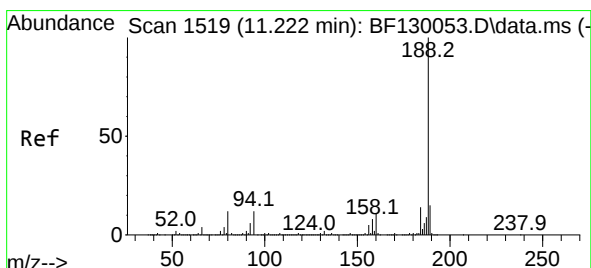
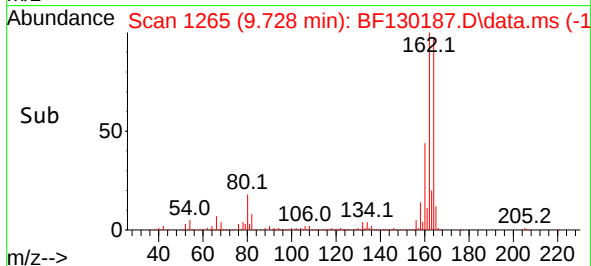
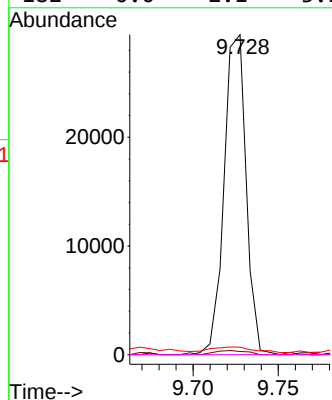
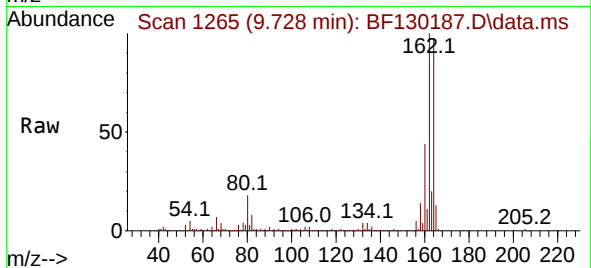
Ion Ratio Lower Upper

165 100

63 1.0 48.4 72.6#

89 2.3 62.3 93.5#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.204 min Scan# 1516

Delta R.T. -0.006 min

Lab File: BF130187.D

Acq: 08 Sep 2022 19:53

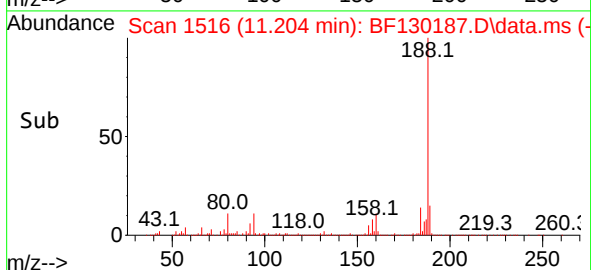
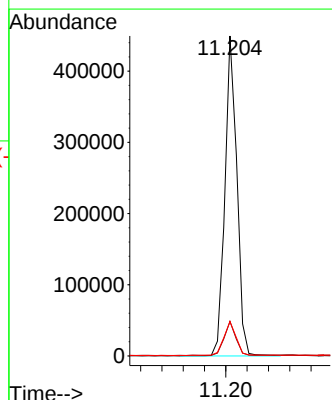
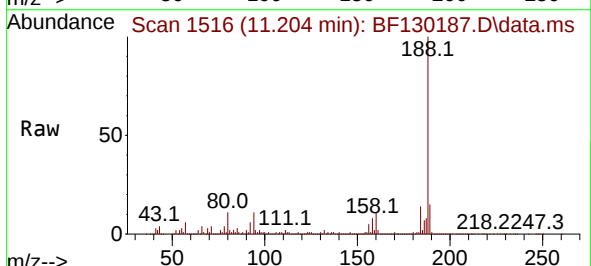
Tgt Ion:188 Resp: 349058

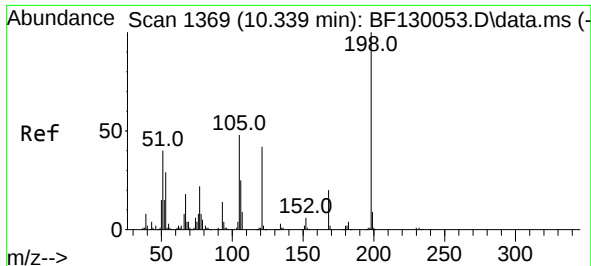
Ion Ratio Lower Upper

188 100

94 10.8 7.4 11.2

80 10.7 7.9 11.9

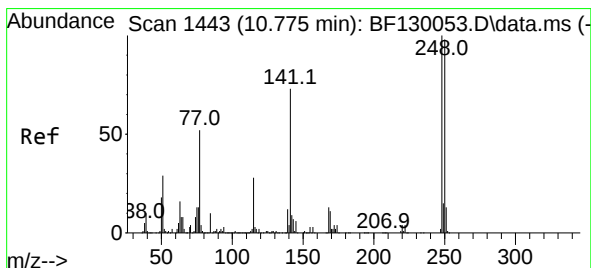
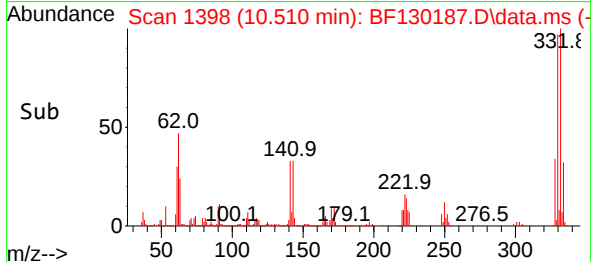
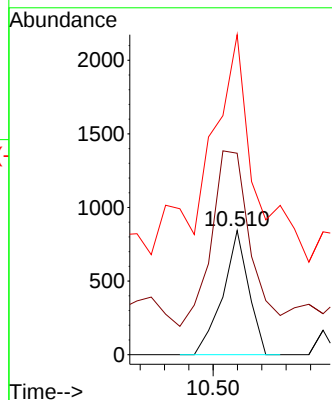
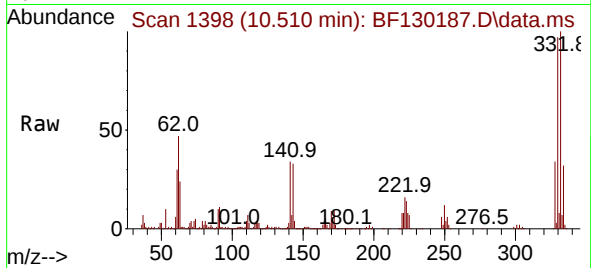




#65
4,6-Dinitro-2-methylphenol
Concen: 6.410 ng
RT: 10.510 min Scan# 1398
Delta R.T. 0.182 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

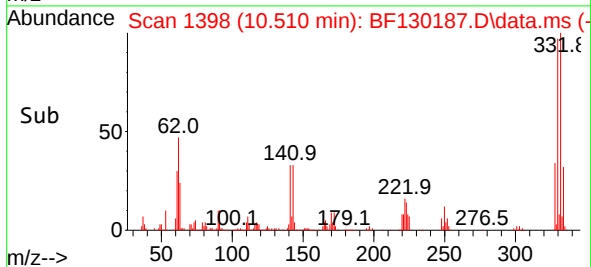
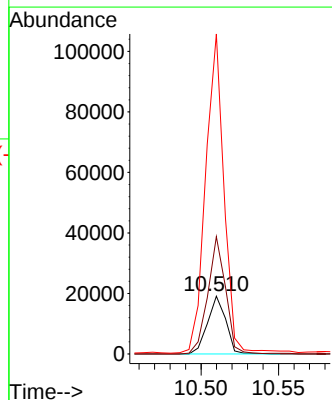
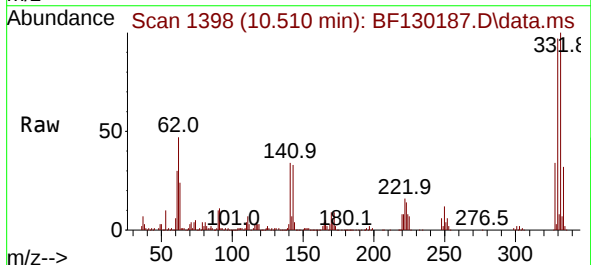
Instrument :
BNA_F
ClientSampleId :
FL-D

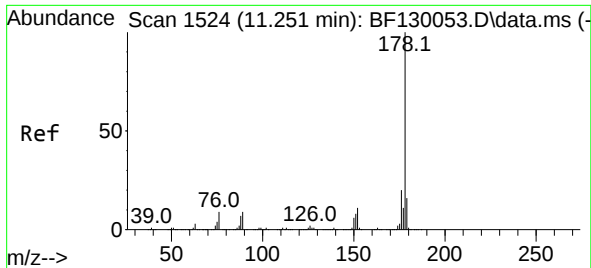
Tgt Ion:198 Resp: 620
Ion Ratio Lower Upper
198 100
51 162.2 29.4 69.4#
105 257.6 29.2 69.2#



#67
4-Bromophenyl-phenylether
Concen: 4.035 ng
RT: 10.510 min Scan# 1398
Delta R.T. -0.253 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

Tgt Ion:248 Resp: 15665
Ion Ratio Lower Upper
248 100
250 202.7 77.8 116.6#
141 553.4 66.2 99.2#

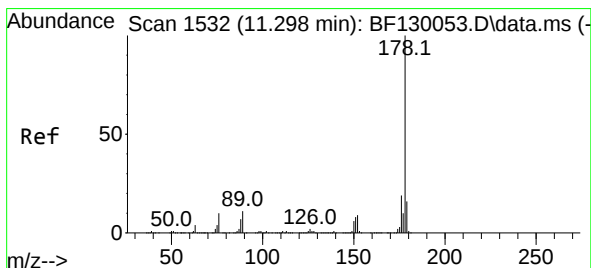
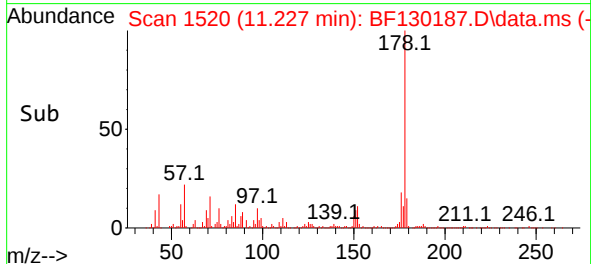
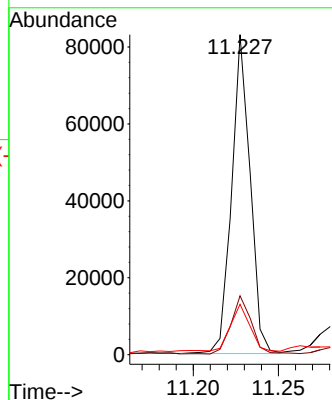
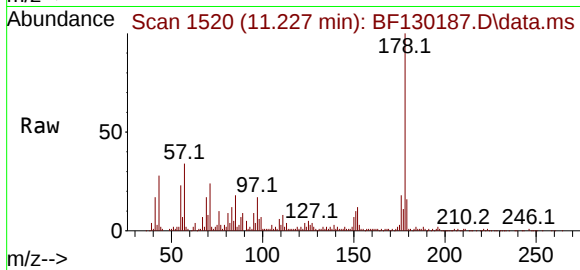




#71
Phenanthrene
Concen: 3.313 ng
RT: 11.227 min Scan# 1520
Delta R.T. -0.012 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

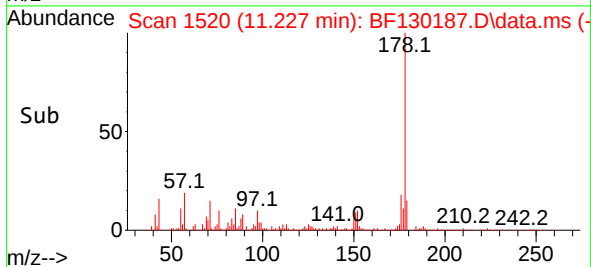
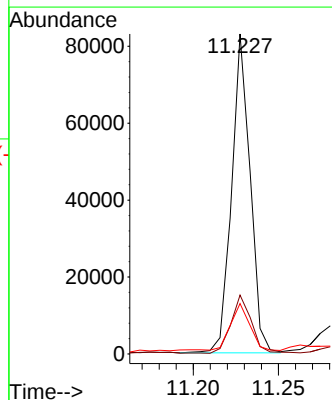
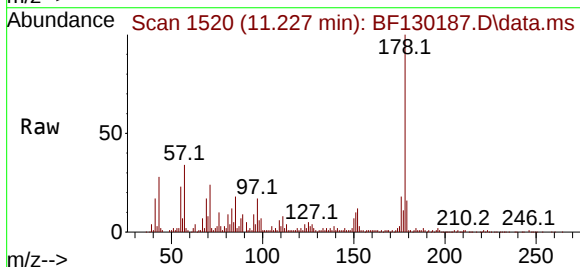
Instrument :
BNA_F
ClientSampleId :
FL-D

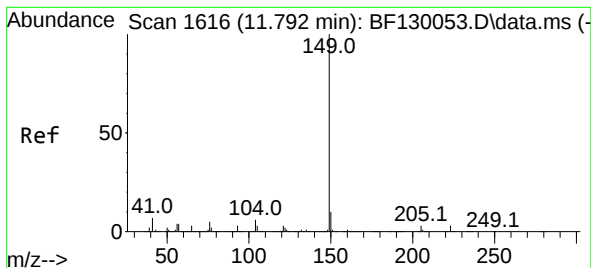
Tgt Ion:178 Resp: 62720
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 15.7 12.5 18.7



#72
Anthracene
Concen: 3.370 ng
RT: 11.227 min Scan# 1520
Delta R.T. -0.059 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

Tgt Ion:178 Resp: 62720
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 15.7 12.6 18.8





#74

Di-n-butylphthalate

Concen: 7.540 ng

RT: 11.774 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130187.D

Acq: 08 Sep 2022 19:53

Instrument :

BNA_F

ClientSampleId :

FL-D

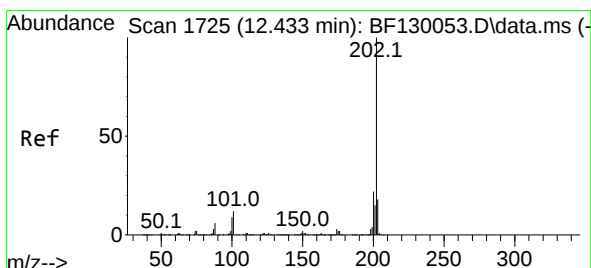
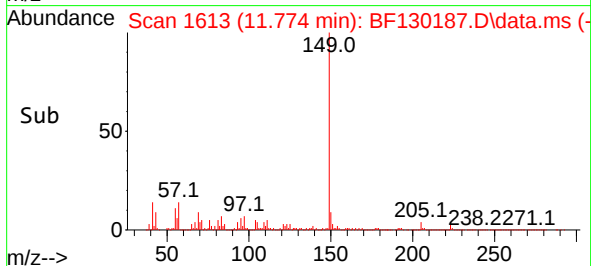
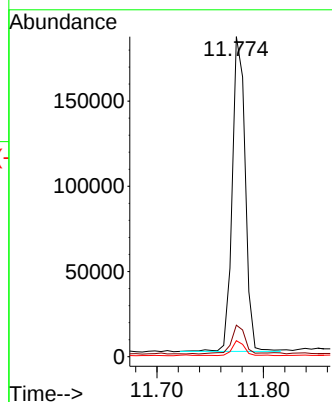
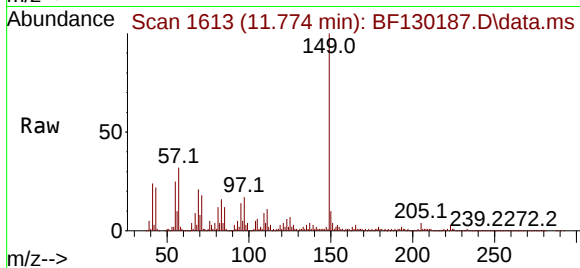
Tgt Ion:149 Resp: 156027

Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.6

104 5.0 4.2 6.4



#75

Fluoranthene

Concen: 5.123 ng

RT: 12.416 min Scan# 1722

Delta R.T. -0.006 min

Lab File: BF130187.D

Acq: 08 Sep 2022 19:53

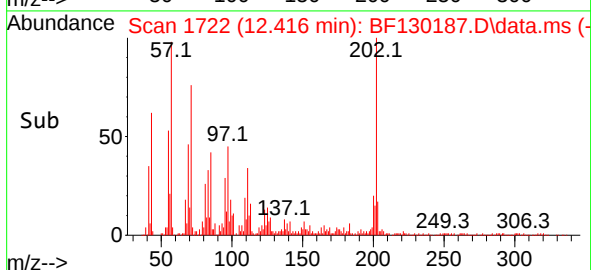
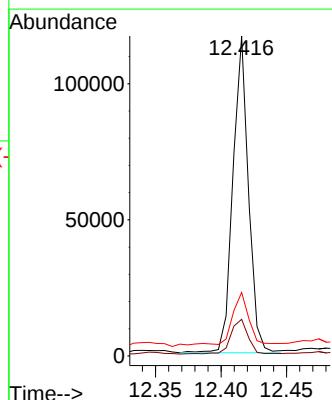
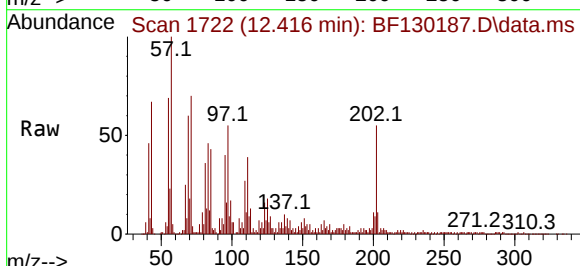
Tgt Ion:202 Resp: 96170

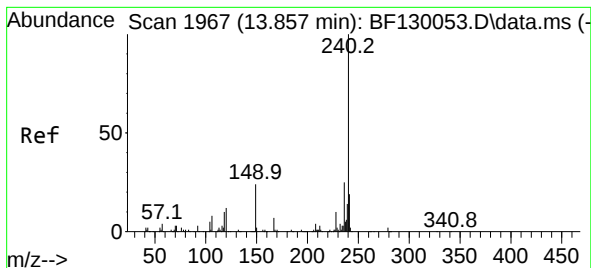
Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.7

203 19.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.851 min Scan# 1967

Delta R.T. 0.006 min

Lab File: BF130187.D

Acq: 08 Sep 2022 19:53

Instrument :

BNA_F

ClientSampleId :

FL-D

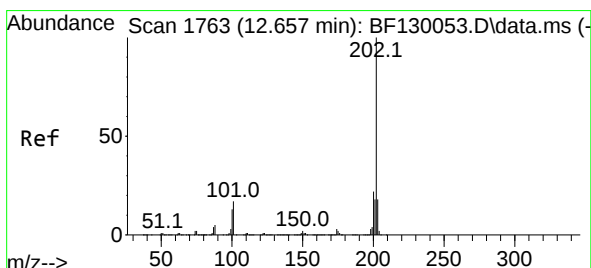
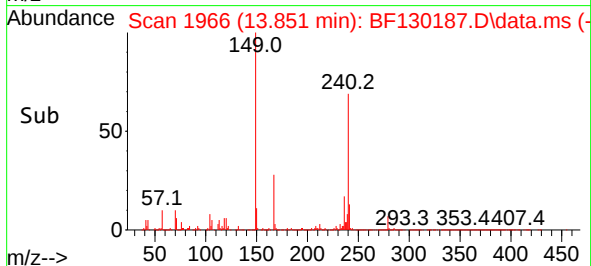
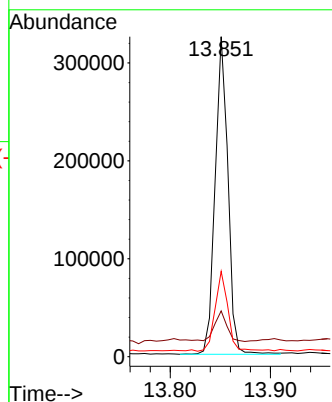
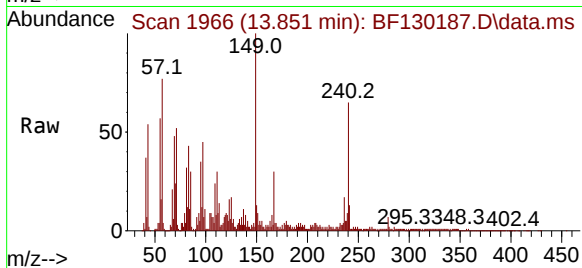
Tgt Ion:240 Resp: 288406

Ion Ratio Lower Upper

240 100

120 14.3 9.2 13.8#

236 26.6 20.7 31.1



#78

Pyrene

Concen: 3.718 ng

RT: 12.416 min Scan# 1722

Delta R.T. -0.235 min

Lab File: BF130187.D

Acq: 08 Sep 2022 19:53

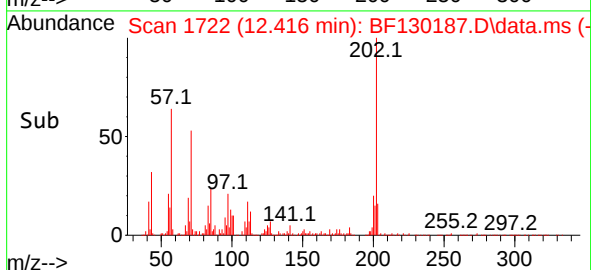
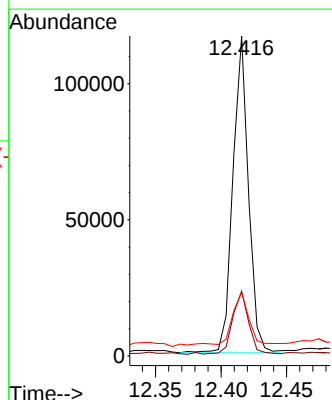
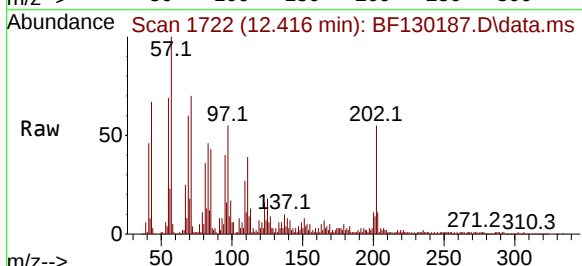
Tgt Ion:202 Resp: 96170

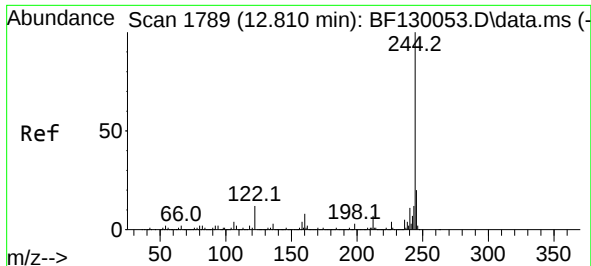
Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.6

203 19.8 14.1 21.1

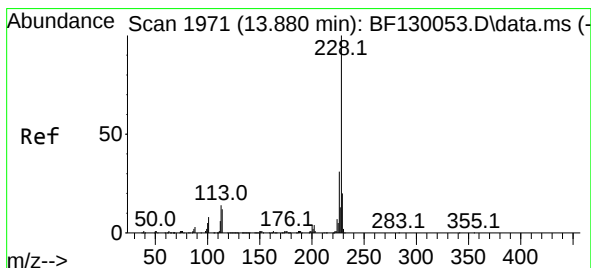
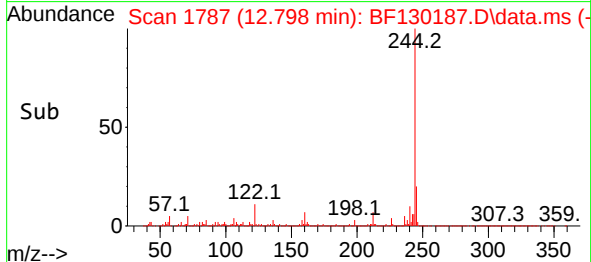
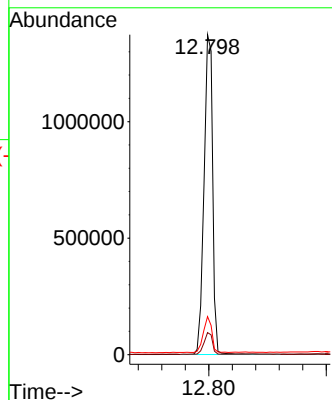
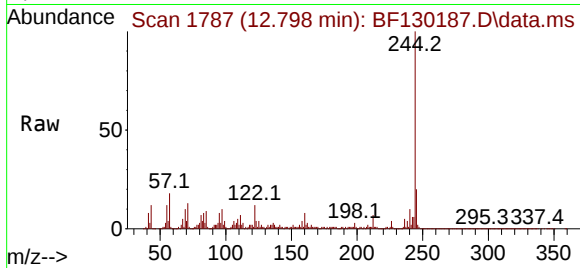




#79
Terphenyl-d14
Concen: 83.442 ng
RT: 12.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

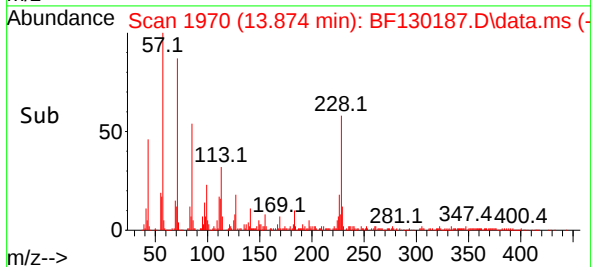
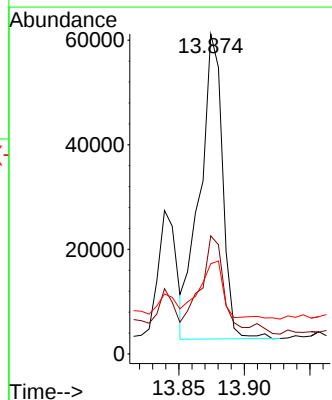
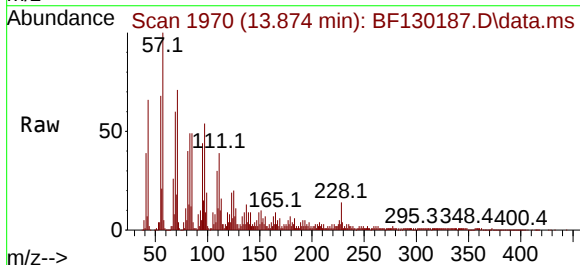
Instrument :
BNA_F
ClientSampleId :
FL-D

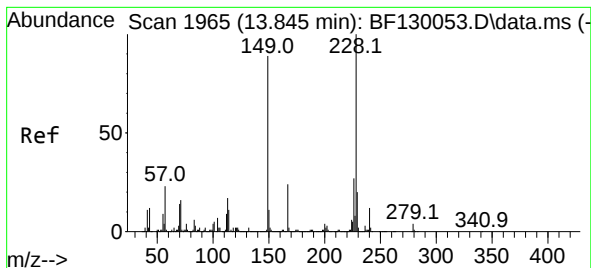
Tgt Ion:244 Resp: 1387736
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 11.9 9.9 14.9



#83
Chrysene
Concen: 3.603 ng
RT: 13.874 min Scan# 1970
Delta R.T. 0.006 min
Lab File: BF130187.D
Acq: 08 Sep 2022 19:53

Tgt Ion:228 Resp: 70208
Ion Ratio Lower Upper
228 100
226 36.9 24.4 36.6#
229 28.2 15.9 23.9#





#84

Bis(2-ethylhexyl)phthalate

Concen: 41.102 ng

RT: 13.845 min Scan# 1965

Delta R.T. 0.012 min

Lab File: BF130187.D

Acq: 08 Sep 2022 19:53

Instrument :

BNA_F

ClientSampleId :

FL-D

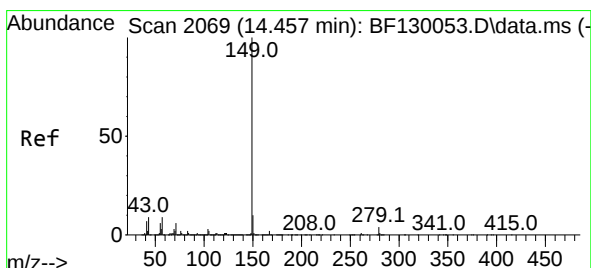
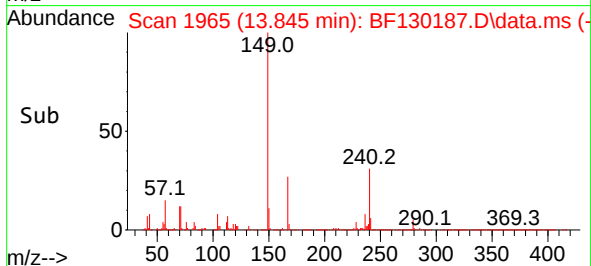
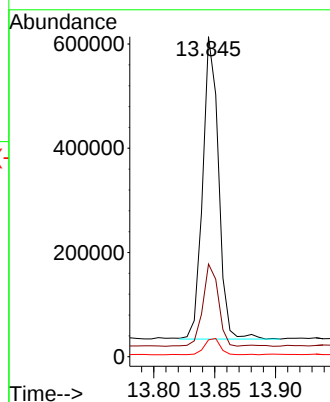
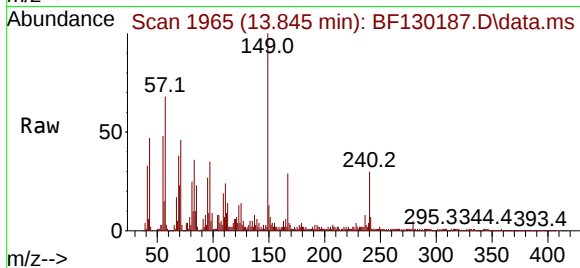
Tgt Ion:149 Resp: 525680

Ion Ratio Lower Upper

149 100

167 28.9 22.0 33.0

279 5.3 3.6 5.4



#85

Di-n-octyl phthalate

Concen: 3.451 ng

RT: 14.463 min Scan# 2070

Delta R.T. 0.018 min

Lab File: BF130187.D

Acq: 08 Sep 2022 19:53

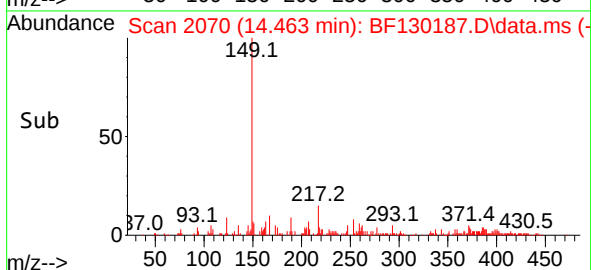
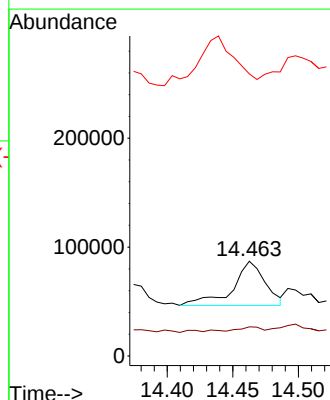
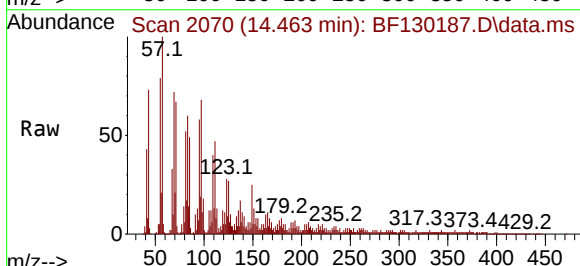
Tgt Ion:149 Resp: 69726

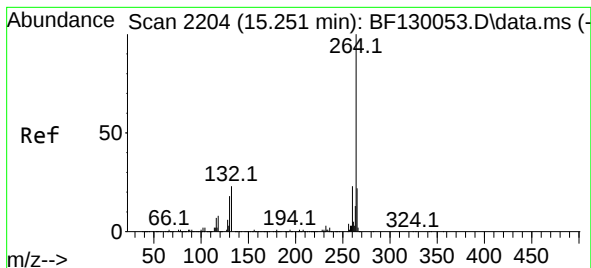
Ion Ratio Lower Upper

149 100

167 11.8 1.3 1.9#

43 0.0 7.8 11.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.268 min Scan# 2139

Delta R.T. 0.029 min

Lab File: BF130187.D

Acq: 08 Sep 2022 19:53

Instrument :

BNA_F

ClientSampleId :

FL-D

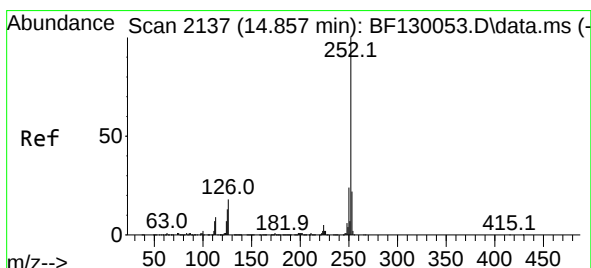
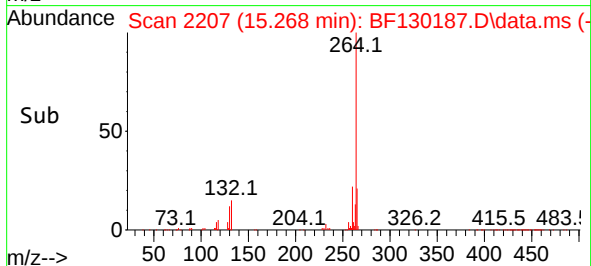
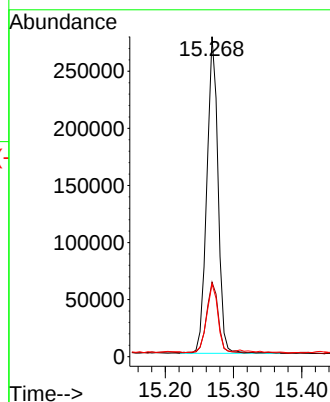
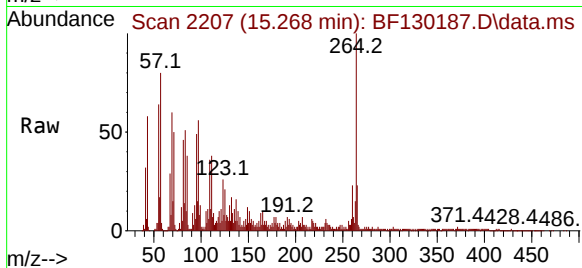
Tgt Ion:264 Resp: 317252

Ion Ratio Lower Upper

264 100

260 23.3 19.1 28.7

265 22.7 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 3.273 ng

RT: 14.868 min Scan# 2139

Delta R.T. 0.023 min

Lab File: BF130187.D

Acq: 08 Sep 2022 19:53

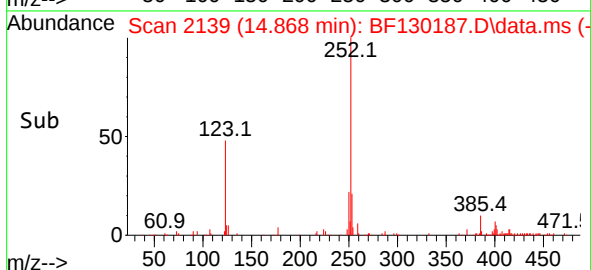
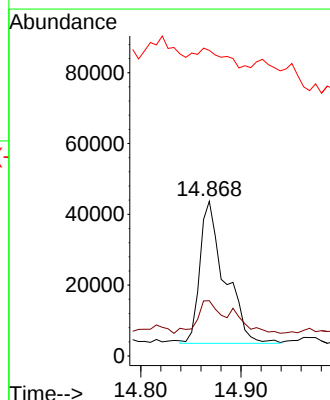
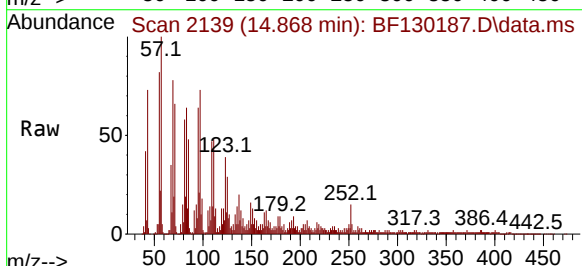
Tgt Ion:252 Resp: 69246

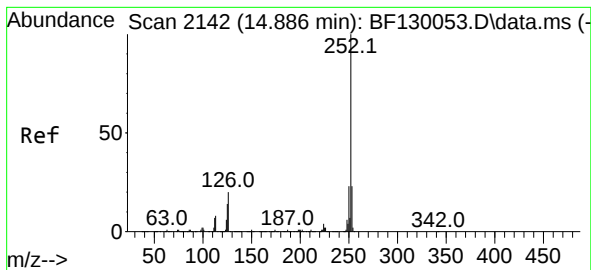
Ion Ratio Lower Upper

252 100

253 35.6 17.5 26.3#

125 197.5 8.3 12.5#





#89

Benzo(k)fluoranthene

Concen: 3.384 ng

RT: 14.868 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130187.D

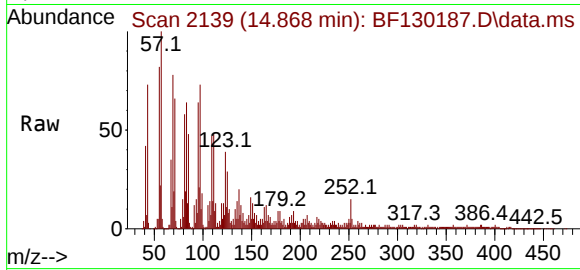
Acq: 08 Sep 2022 19:53

Instrument :

BNA_F

ClientSampleId :

FL-D



Tgt Ion:252 Resp: 69246

Ion Ratio Lower Upper

252 100

253 35.6 17.1 25.7#

125 197.5 8.3 12.5#

