

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
 Data File : BF131883.D
 Acq On : 29 Dec 2022 17:51
 Operator : CG\JU
 Sample : N6230-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Quant Time: Dec 30 02:11:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 02:06:40 2022
 Response via : Initial Calibration

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

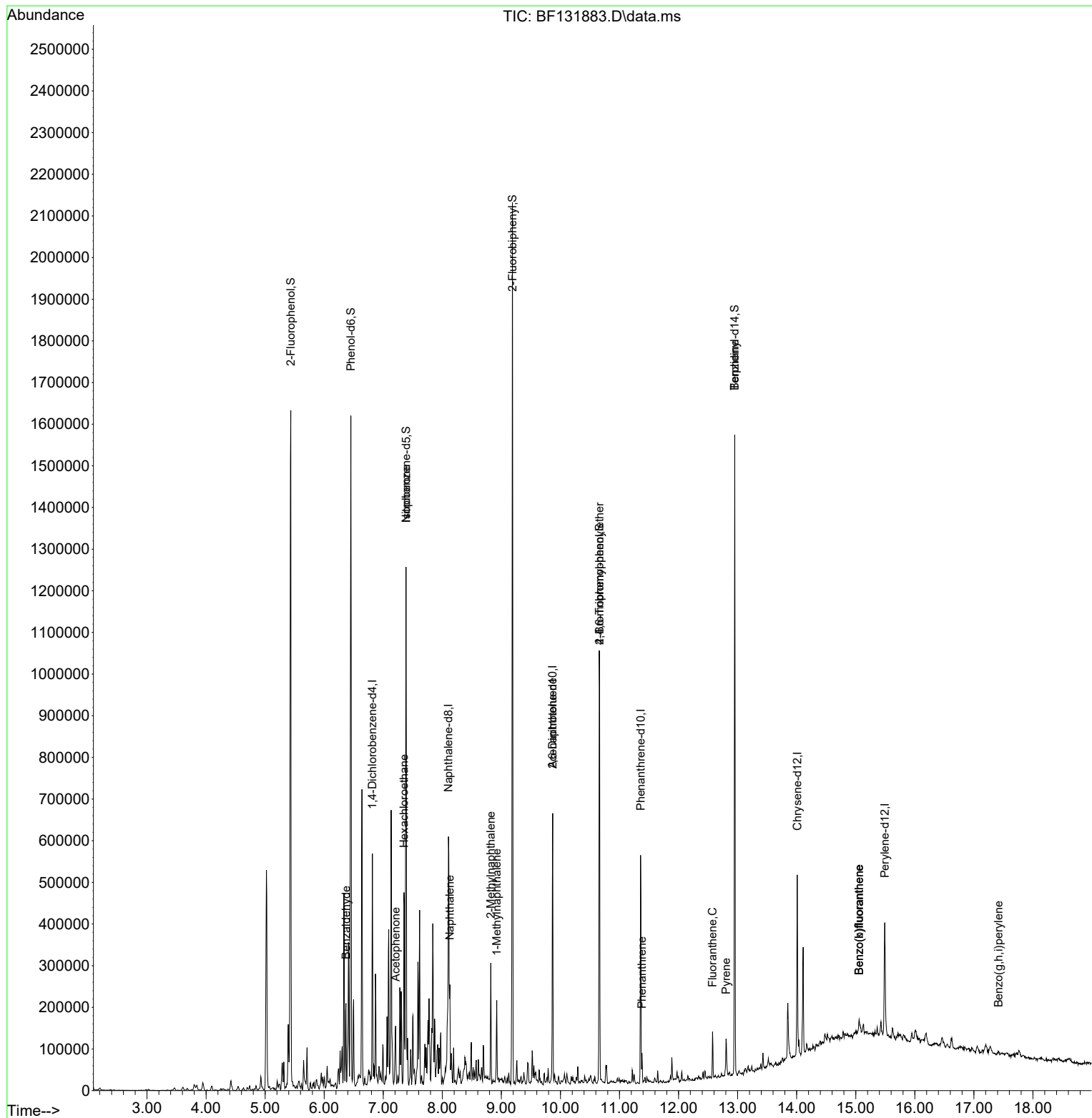
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	66725	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	228018	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	116247	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	183678	20.000	ng	# 0.00
76) Chrysene-d12	14.009	240	124808	20.000	ng	0.00
86) Perylene-d12	15.492	264	118410	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	413794	102.772	ng	0.01
7) Phenol-d6	6.451	99	532078	100.585	ng	0.00
23) Nitrobenzene-d5	7.386	82	373628	65.422	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	114528	90.677	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	571434	67.332	ng	0.00
79) Terphenyl-d14	12.951	244	456573	61.879	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.369	77	8738	2.574	ng	# 1
18) Hexachloroethane	7.351	117	22041	11.173	ng	# 1
22) Acetophenone	7.210	105	44271	6.623	ng	# 51
25) Isophorone	7.386	82	370951	39.773	ng	# 70
31) Naphthalene	8.128	128	46257	3.704	ng	# 95
37) 2-Methylnaphthalene	8.822	142	62443	7.451	ng	98
38) 1-Methylnaphthalene	8.922	142	41280	5.071	ng	97
51) 2,6-Dinitrotoluene	9.869	165	15642	8.216	ng	# 17
67) 4-Bromophenyl-phenylether	10.663	248	7562	3.552	ng	# 1
71) Phenanthrene	11.380	178	22335	2.211	ng	99
75) Fluoranthene	12.574	202	40279	3.424	ng	100
77) Benzidine	12.951	184	7944	3.873	ng	# 92
78) Pyrene	12.804	202	36797	3.518	ng	99
88) Benzo(b)fluoranthene	15.056	252	21260	2.449	ng	# 94
89) Benzo(k)fluoranthene	15.056	252	21260	2.534	ng	# 94
92) Benzo(g,h,i)perylene	17.415	276	5695	5.943	ng	# 75

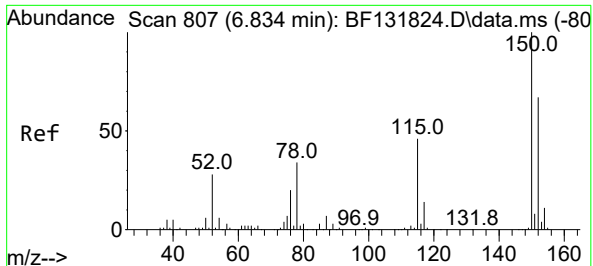
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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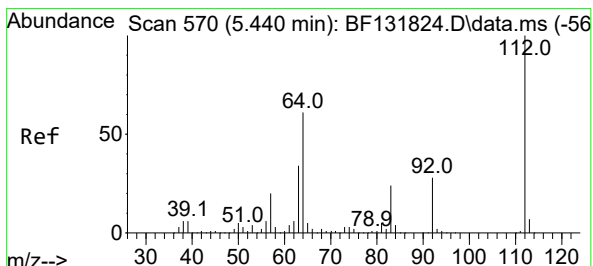
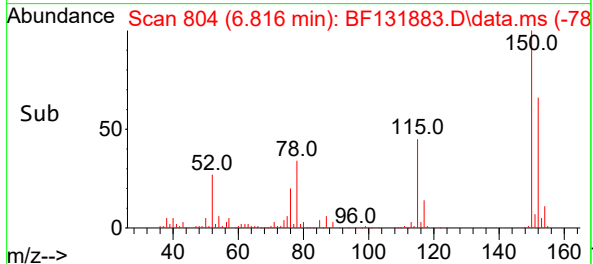
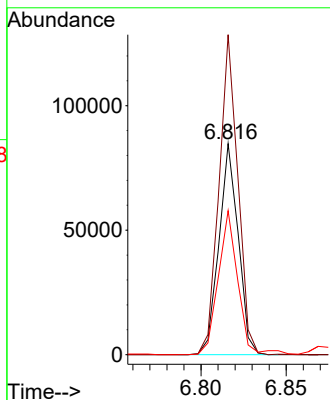
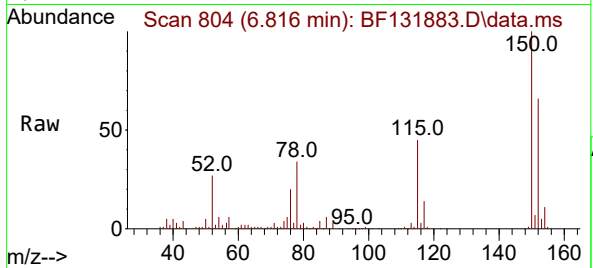




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

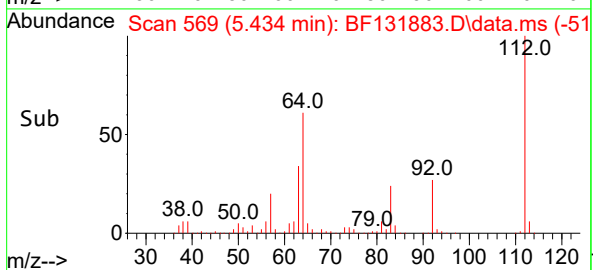
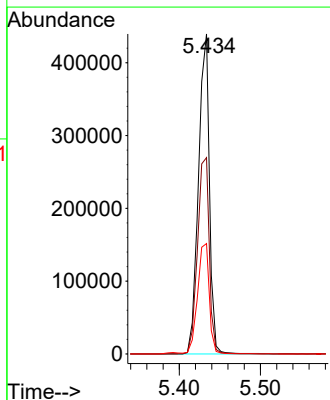
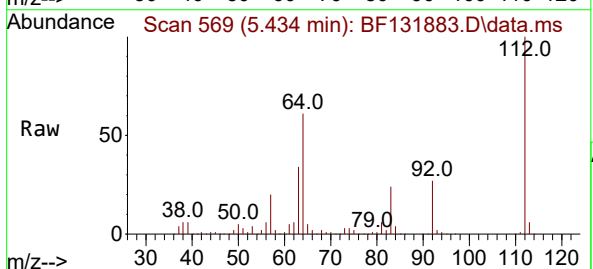
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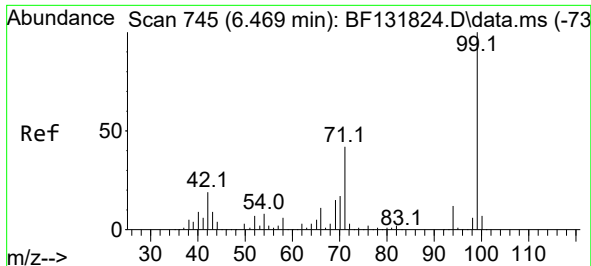
Tgt Ion:152 Resp: 66725
Ion Ratio Lower Upper
152 100
150 151.6 120.0 180.0
115 68.2 55.1 82.7



#5
2-Fluorophenol
Concen: 102.772 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.011 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

Tgt Ion:112 Resp: 413794
Ion Ratio Lower Upper
112 100
64 61.3 49.2 73.8
63 34.5 27.5 41.3

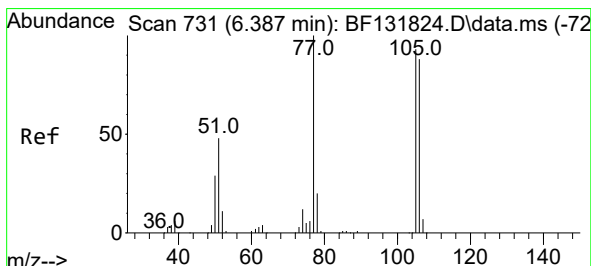
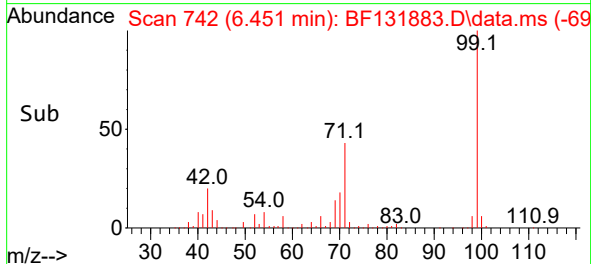
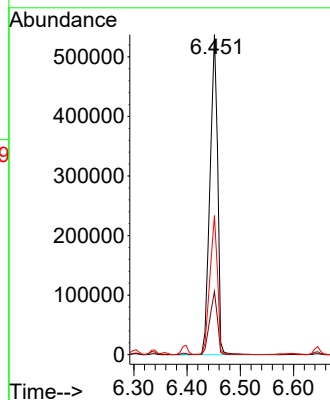
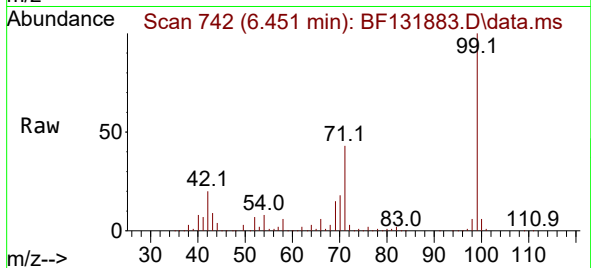




#7
Phenol-d6
Concen: 100.585 ng
RT: 6.451 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

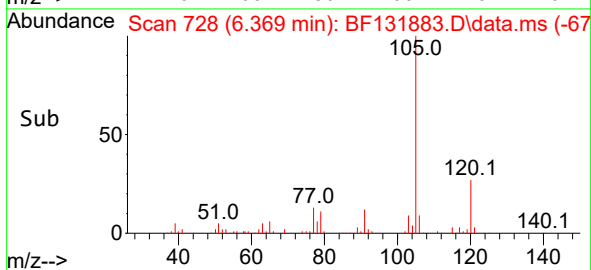
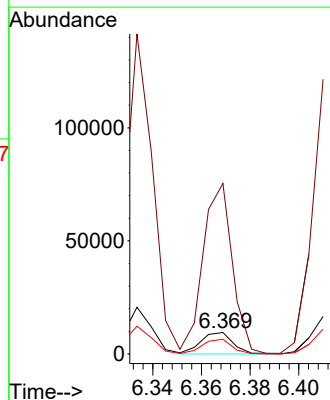
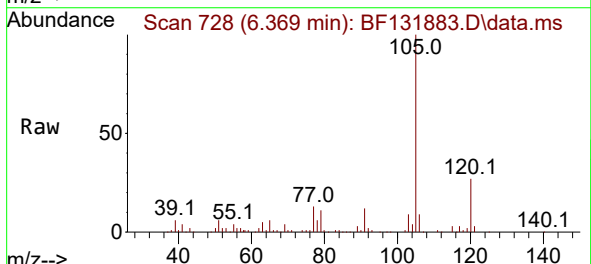
Instrument :
BNA_F
ClientSampleId :
C-1

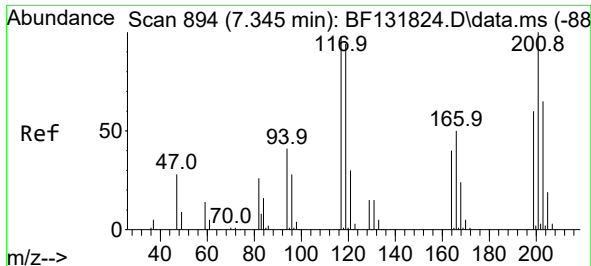
Tgt Ion: 99 Resp: 532078
Ion Ratio Lower Upper
99 100
42 19.8 15.3 22.9
71 43.5 33.5 50.3



#9
Benzaldehyde
Concen: 2.574 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

Tgt Ion: 77 Resp: 8738
Ion Ratio Lower Upper
77 100
105 793.4 72.9 112.9#
106 68.8 68.5 108.5

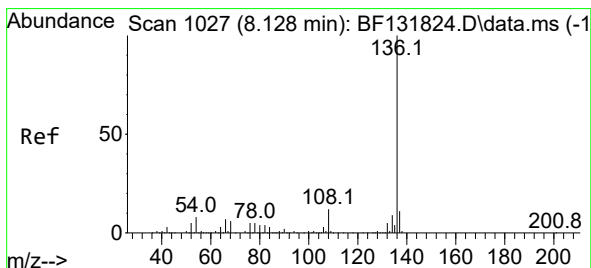
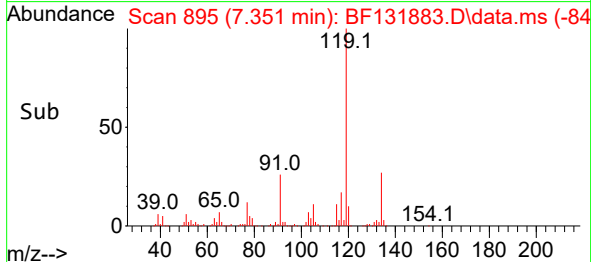
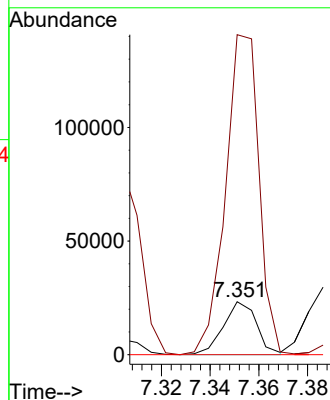
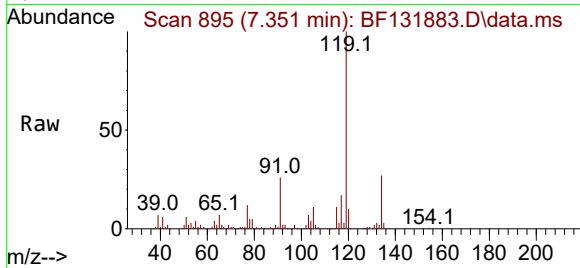




#18
Hexachloroethane
Concen: 11.173 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.017 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

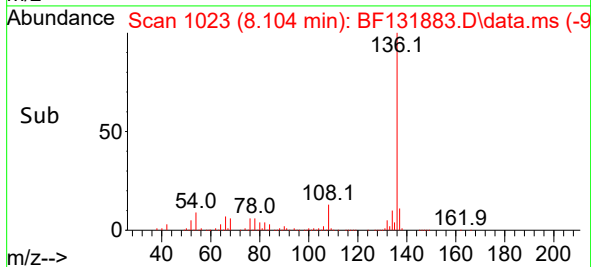
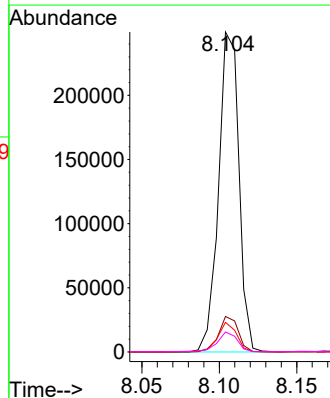
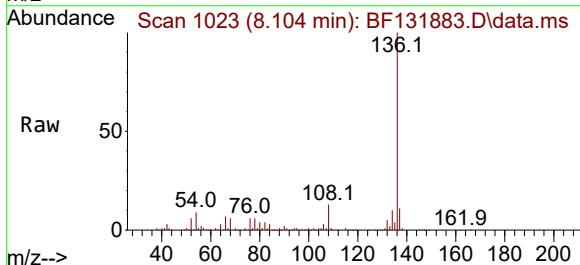
Instrument :
BNA_F
ClientSampleId :
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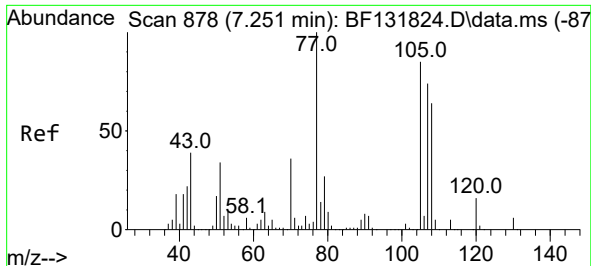
Tgt Ion:117 Resp: 22041
Ion Ratio Lower Upper
117 100
119 603.8 76.5 114.7#
201 0.0 81.7 122.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

Tgt Ion:136 Resp: 228018
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.3 6.7 10.1
68 6.2 4.8 7.2

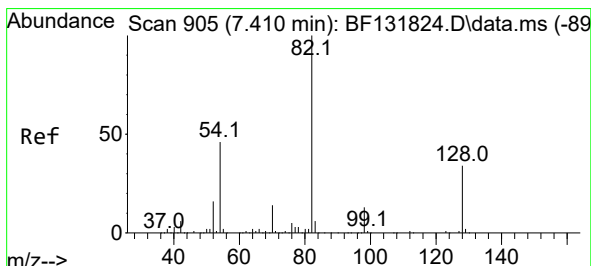
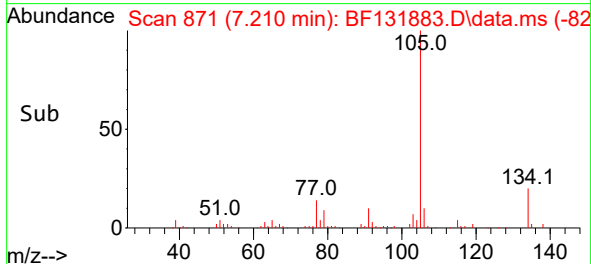
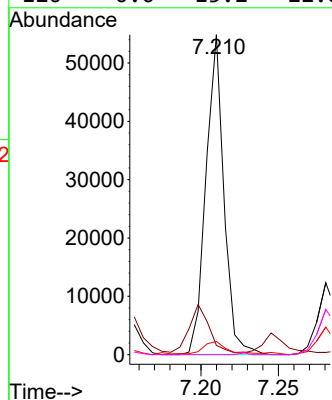
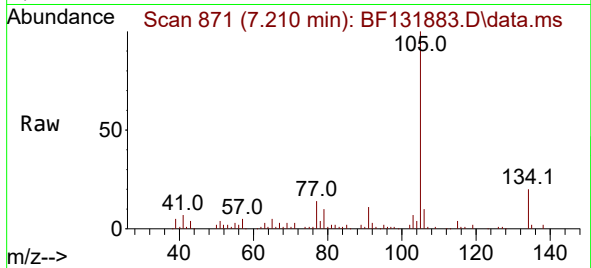




#22
Acetophenone
Concen: 6.623 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.030 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

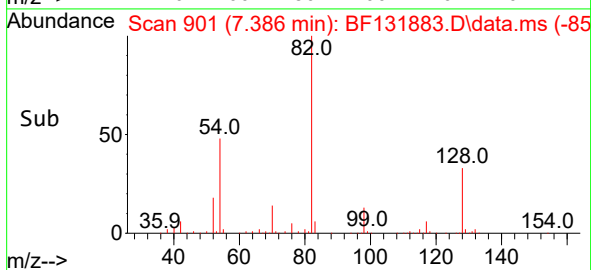
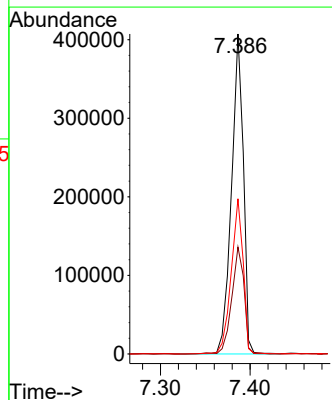
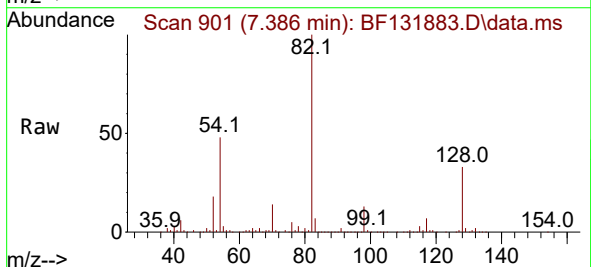
Instrument :
BNA_F
ClientSampleId :
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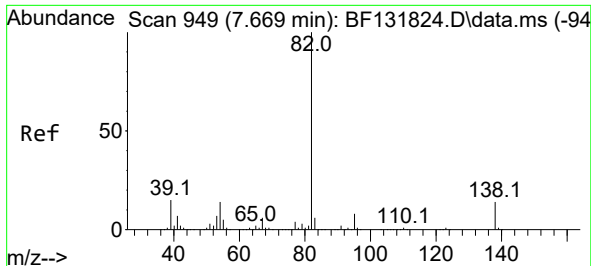
Tgt Ion: 105 Resp: 44271
Ion Ratio Lower Upper
105 100
71 2.9 5.4 8.0#
51 4.2 31.9 47.9#
120 0.0 15.2 22.8#



#23
Nitrobenzene-d5
Concen: 65.422 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

Tgt Ion: 82 Resp: 373628
Ion Ratio Lower Upper
82 100
128 33.4 27.1 40.7
54 48.5 37.0 55.6

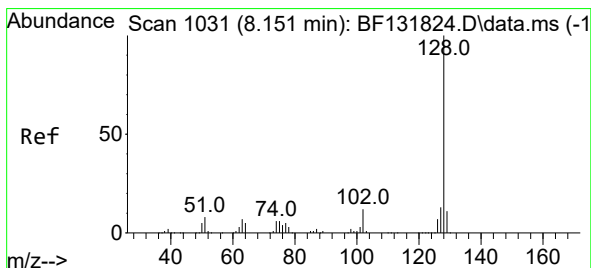
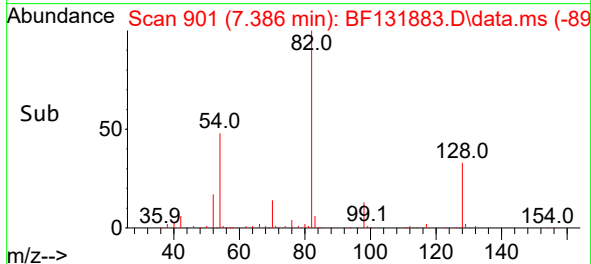
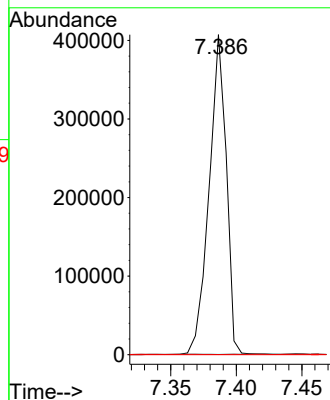
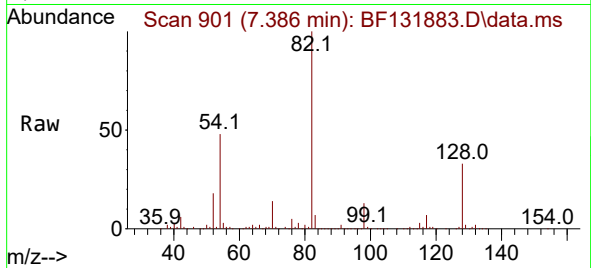




#25
Isophorone
Concen: 39.773 ng
RT: 7.386 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

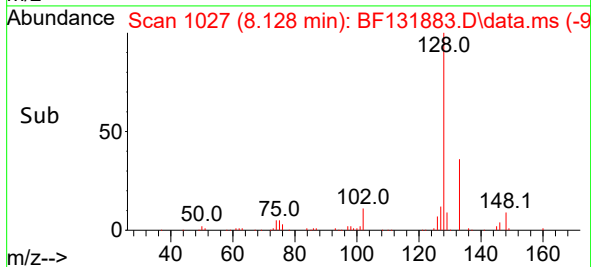
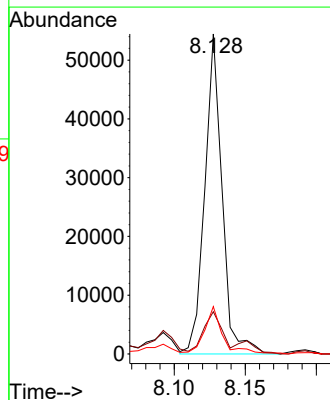
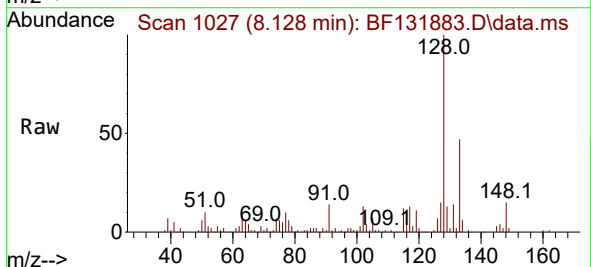
Instrument :
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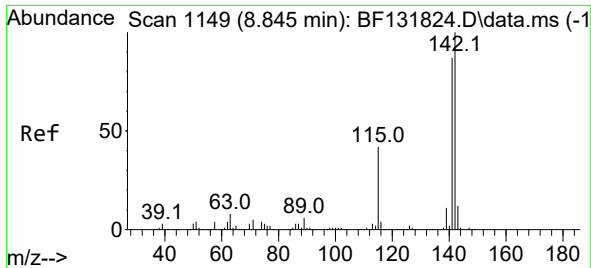
Tgt Ion: 82 Resp: 370951
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.4#
138 0.0 11.5 17.3#



#31
Naphthalene
Concen: 3.704 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

Tgt Ion: 128 Resp: 46257
Ion Ratio Lower Upper
128 100
129 13.2 8.6 13.0#
127 14.8 10.6 15.8

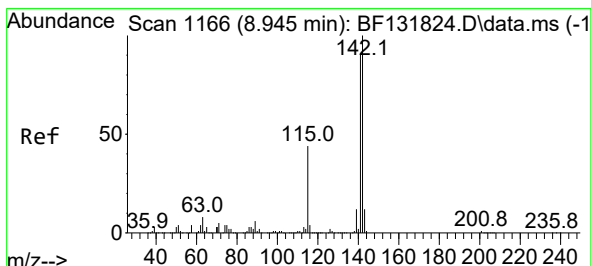
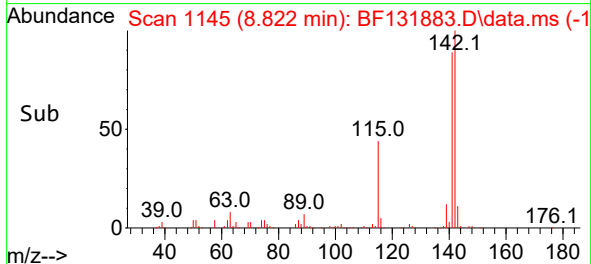
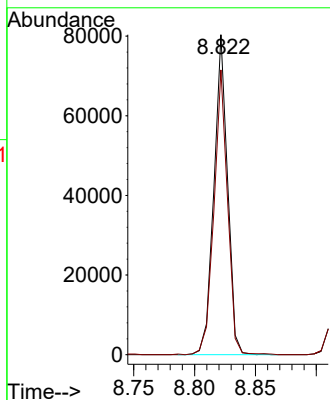
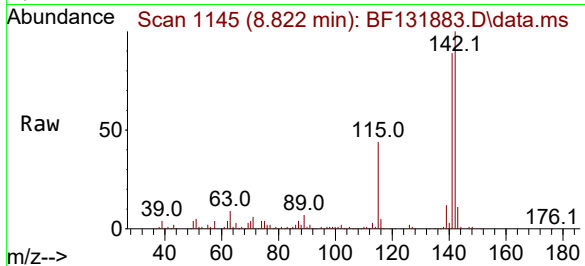




#37
2-Methylnaphthalene
Concen: 7.451 ng
RT: 8.822 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

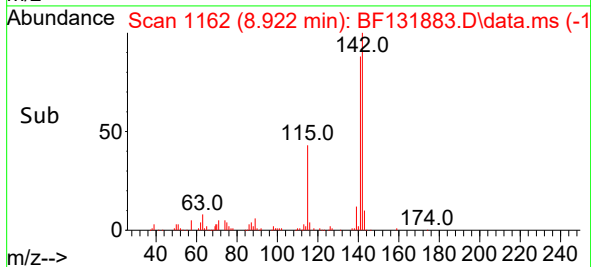
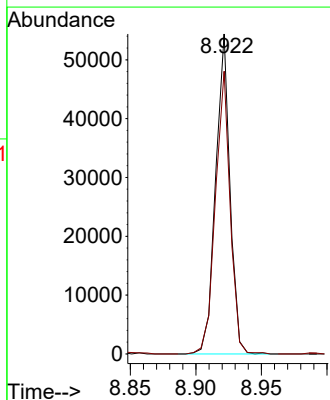
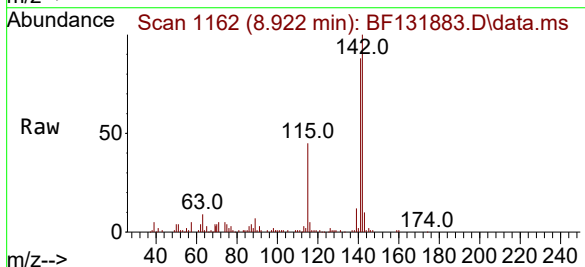
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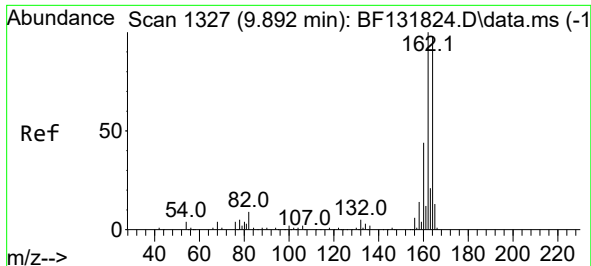
Tgt Ion:142 Resp: 62443
Ion Ratio Lower Upper
142 100
141 89.0 69.8 104.8



#38
1-Methylnaphthalene
Concen: 5.071 ng
RT: 8.922 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

Tgt Ion:142 Resp: 41280
Ion Ratio Lower Upper
142 100
141 88.4 73.0 109.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131883.D

Acq: 29 Dec 2022 17:51

Instrument :

BNA_F

ClientSampleId :

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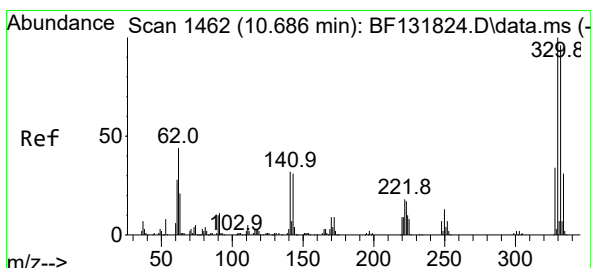
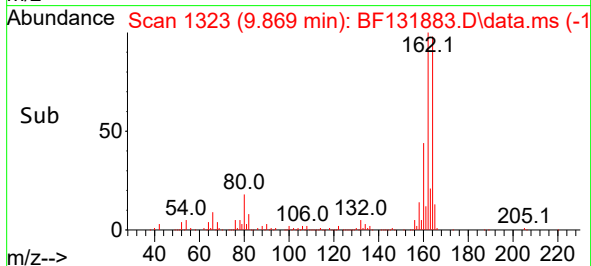
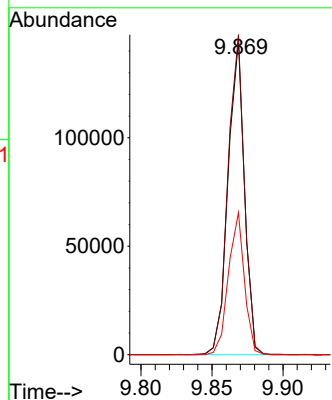
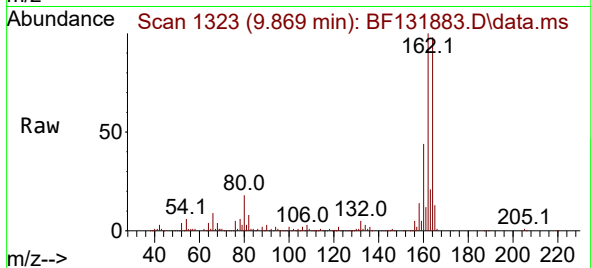
Tgt Ion:164 Resp: 116247

Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.6

160 45.2 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 90.677 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF131883.D

Acq: 29 Dec 2022 17:51

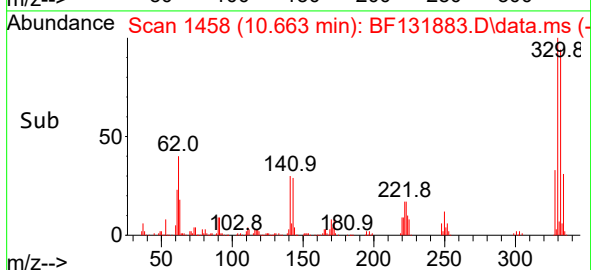
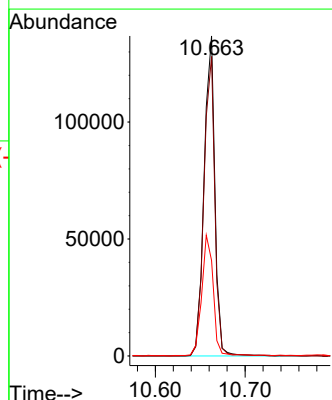
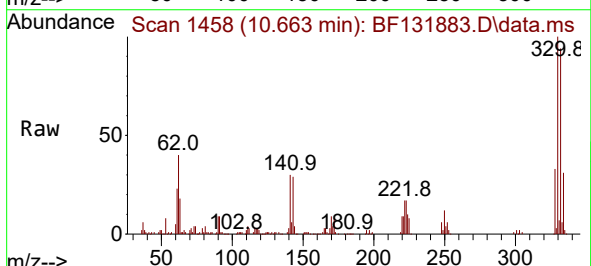
Tgt Ion:330 Resp: 114528

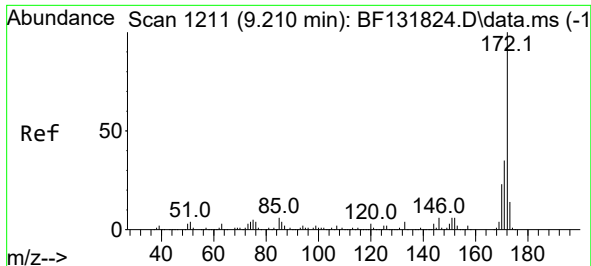
Ion Ratio Lower Upper

330 100

332 94.5 77.0 115.4

141 40.4 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 67.332 ng

RT: 9.186 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131883.D

Acq: 29 Dec 2022 17:51

Instrument :

BNA_F

ClientSampleId :

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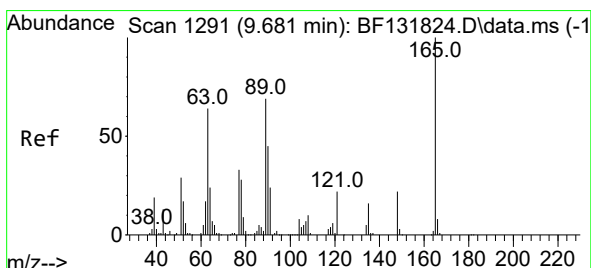
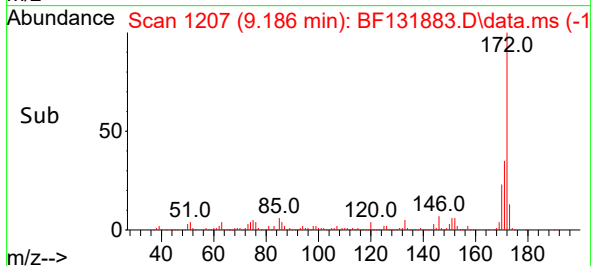
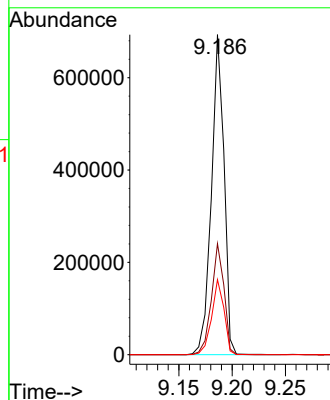
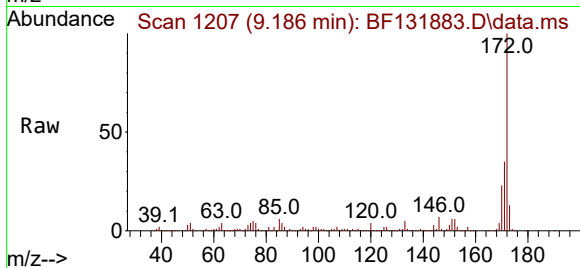
Tgt Ion:172 Resp: 571434

Ion Ratio Lower Upper

172 100

171 34.7 27.9 41.9

170 23.5 18.7 28.1



#51

2,6-Dinitrotoluene

Concen: 8.216 ng

RT: 9.869 min Scan# 1323

Delta R.T. 0.206 min

Lab File: BF131883.D

Acq: 29 Dec 2022 17:51

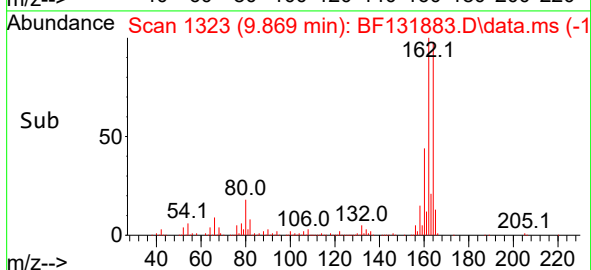
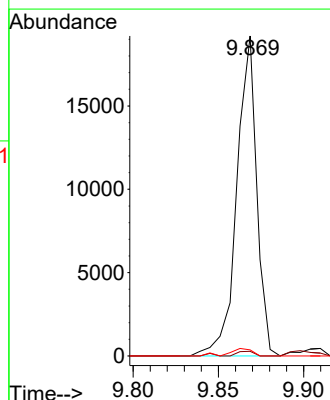
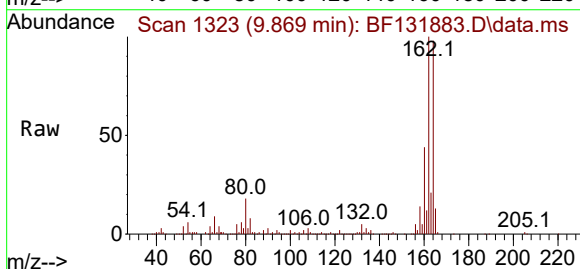
Tgt Ion:165 Resp: 15642

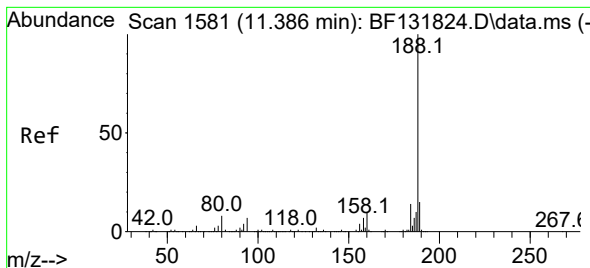
Ion Ratio Lower Upper

165 100

63 1.5 55.1 82.7#

89 1.9 55.0 82.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131883.D

Acq: 29 Dec 2022 17:51

Instrument :

BNA_F

ClientSampleId :

C-1

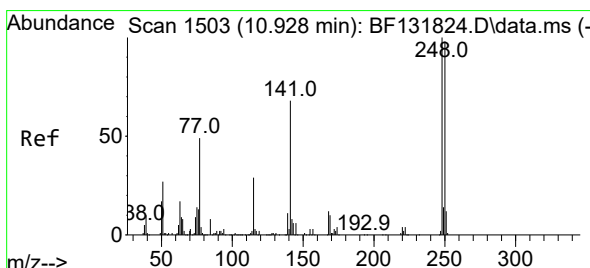
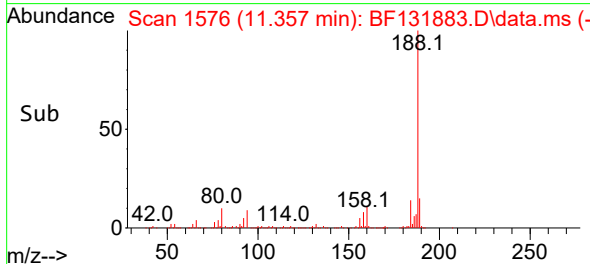
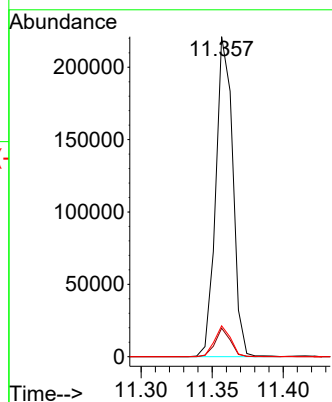
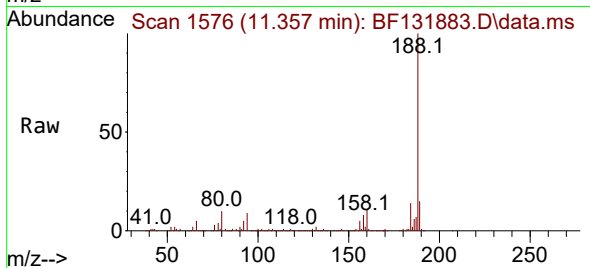
Tgt Ion:188 Resp: 183678

Ion Ratio Lower Upper

188 100

94 8.9 5.8 8.6#

80 9.6 6.7 10.1



#67

4-Bromophenyl-phenylether

Concen: 3.552 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF131883.D

Acq: 29 Dec 2022 17:51

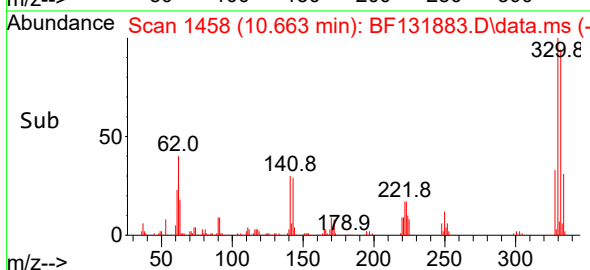
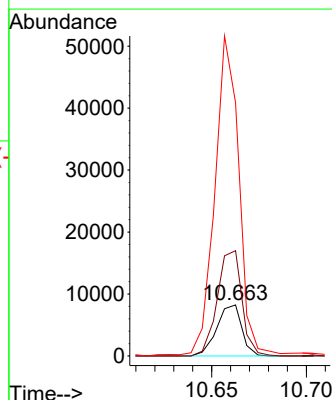
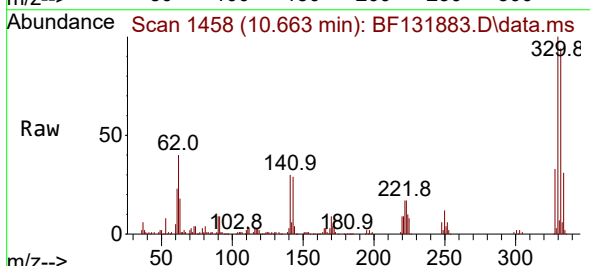
Tgt Ion:248 Resp: 7562

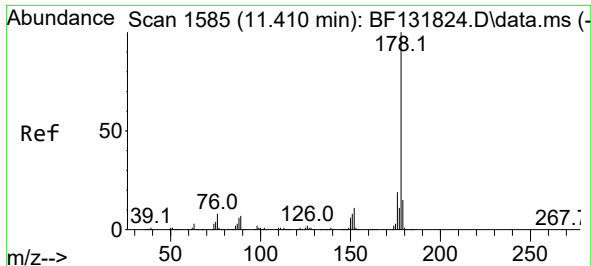
Ion Ratio Lower Upper

248 100

250 206.1 78.0 117.0#

141 495.3 54.8 82.2#

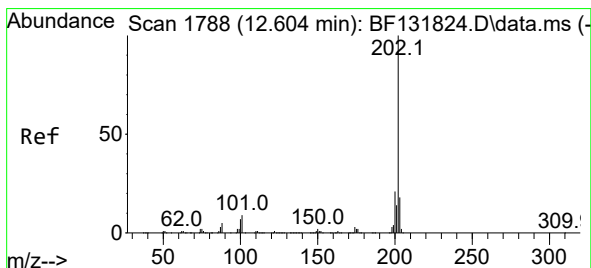
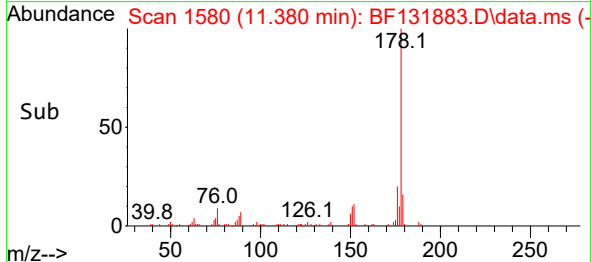
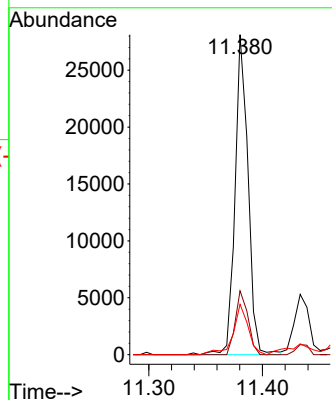
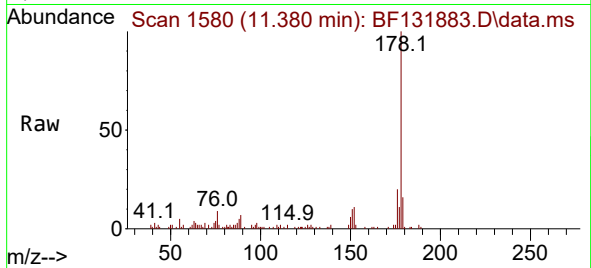




#71
Phenanthrene
Concen: 2.211 ng
RT: 11.380 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

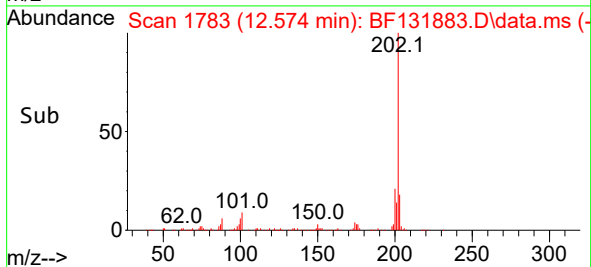
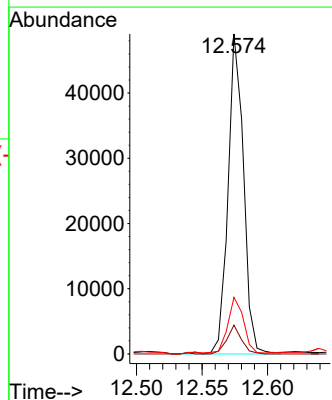
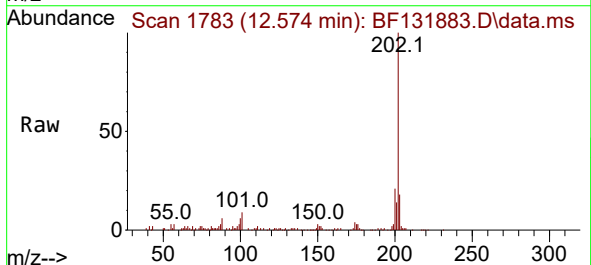
Instrument :
BNA_F
ClientSampleId :
C-1

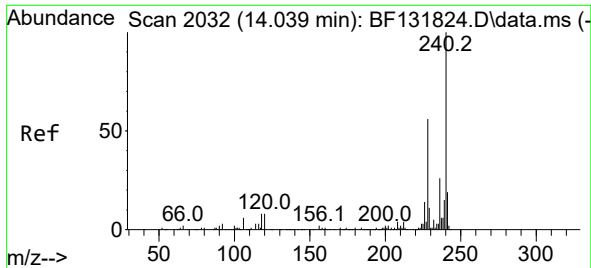
Tgt Ion:178 Resp: 22335
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 15.8 12.2 18.4



#75
Fluoranthene
Concen: 3.424 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

Tgt Ion:202 Resp: 40279
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.6
203 17.7 0.0 37.8

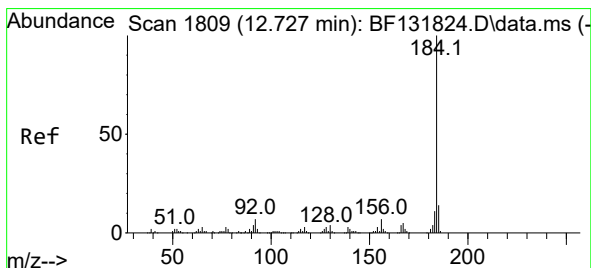
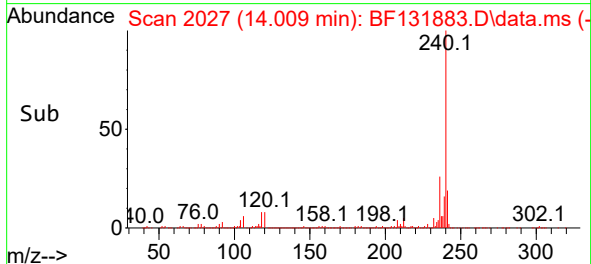
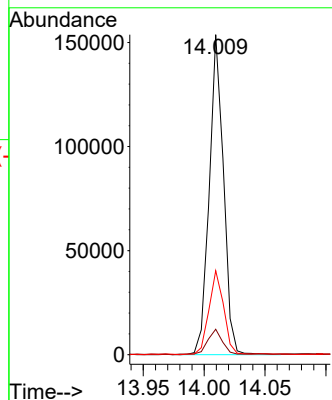
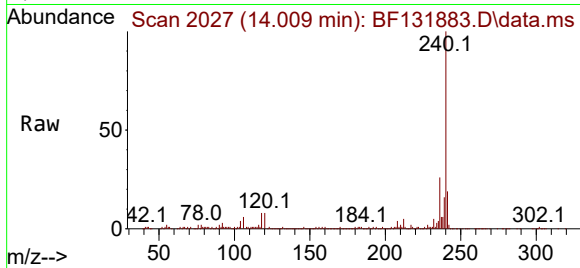




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

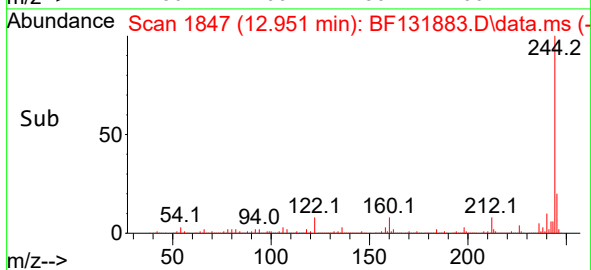
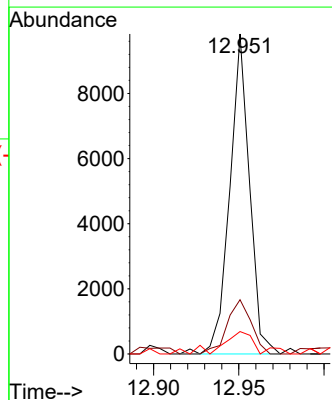
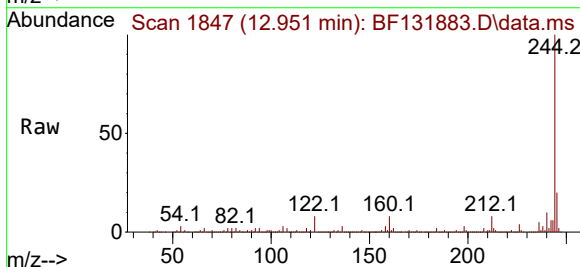
Instrument :
BNA_F
ClientSampleId :
C-1

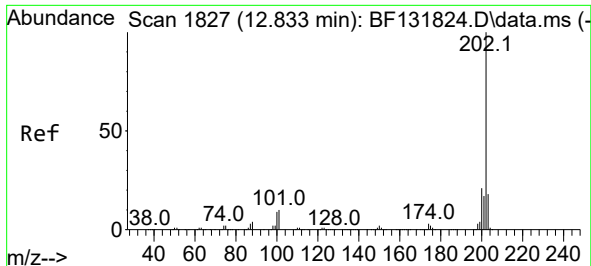
Tgt Ion:240 Resp: 124808
Ion Ratio Lower Upper
240 100
120 7.9 6.7 10.1
236 26.2 20.6 31.0



#77
Benzidine
Concen: 3.873 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.241 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

Tgt Ion:184 Resp: 7944
Ion Ratio Lower Upper
184 100
185 17.0 11.6 17.4
183 7.0 9.0 13.4#

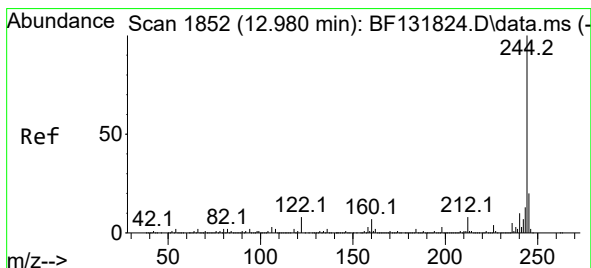
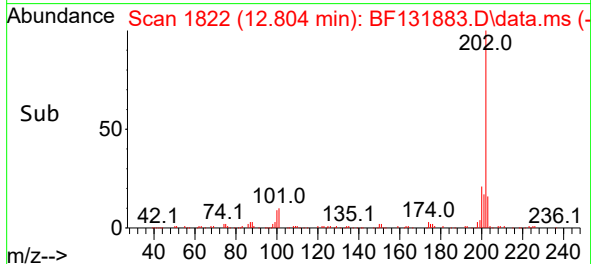
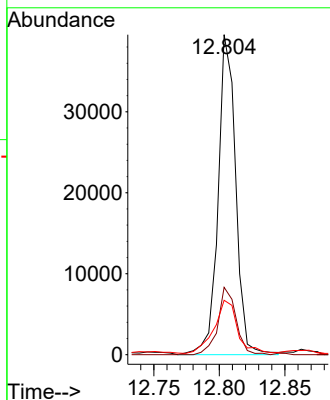
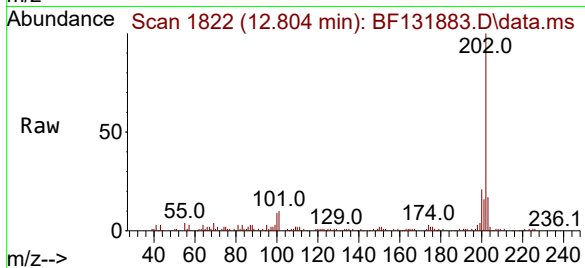




#78
Pyrene
Concen: 3.518 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

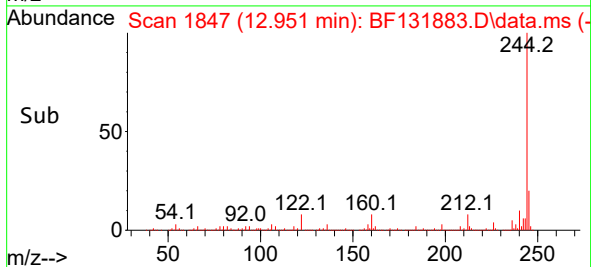
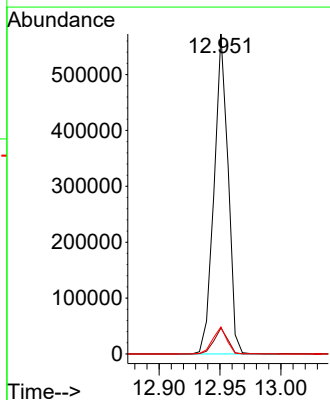
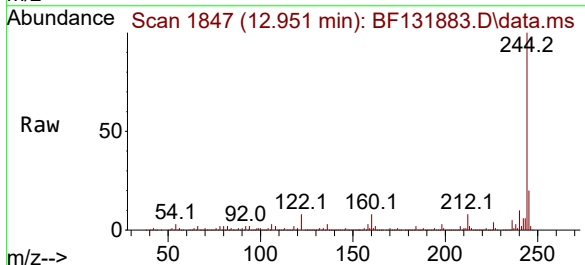
Instrument :
BNA_F
ClientSampleId :
C-1

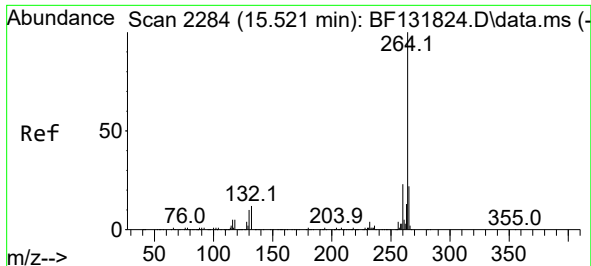
Tgt Ion:202 Resp: 36797
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.0 14.4 21.6



#79
Terphenyl-d14
Concen: 61.879 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

Tgt Ion:244 Resp: 456573
Ion Ratio Lower Upper
244 100
212 8.1 6.3 9.5
122 8.5 6.4 9.6

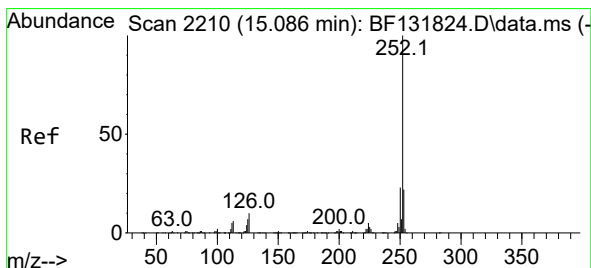
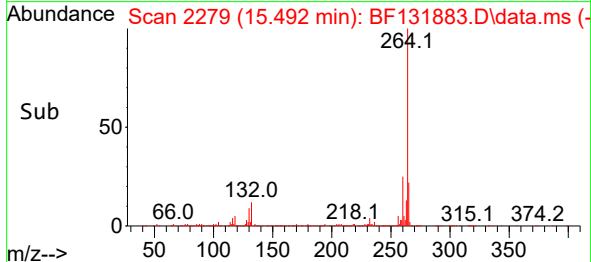
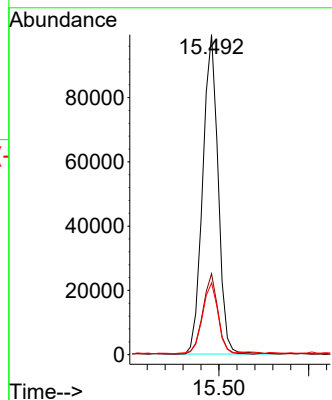
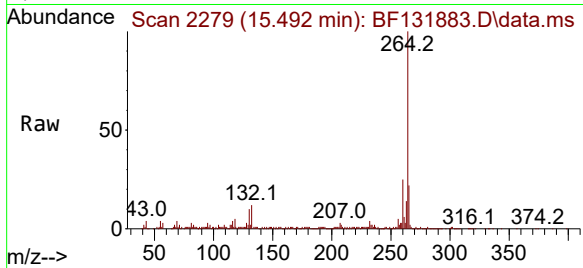




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

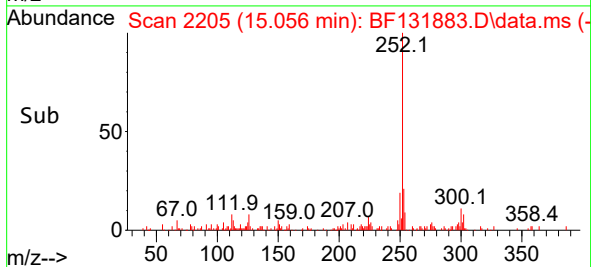
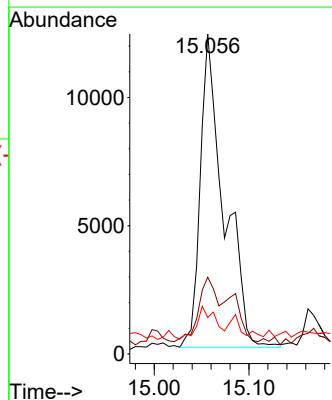
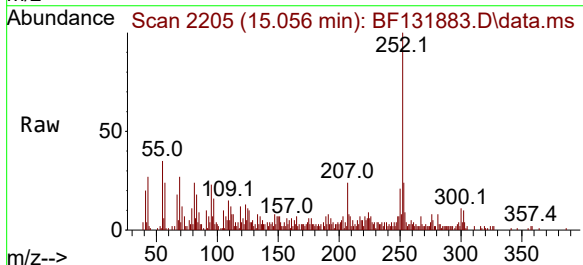
Instrument :
BNA_F
ClientSampleId :
C-1

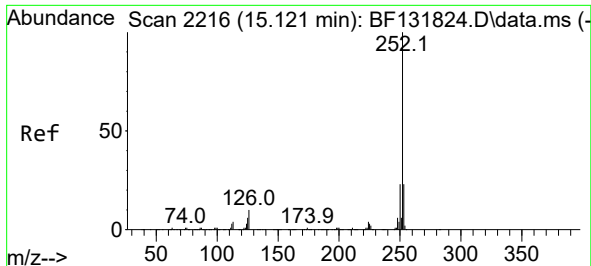
Tgt Ion:264 Resp: 118410
Ion Ratio Lower Upper
264 100
260 25.3 18.6 28.0
265 22.5 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 2.449 ng
RT: 15.056 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF131883.D
Acq: 29 Dec 2022 17:51

Tgt Ion:252 Resp: 21260
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 11.4 5.8 8.8#





#89

Benzo(k)fluoranthene

Concen: 2.534 ng

RT: 15.056 min Scan# 21

Delta R.T. -0.036 min

Lab File: BF131883.D

Acq: 29 Dec 2022 17:51

Instrument :

BNA_F

ClientSampleId :

C-1

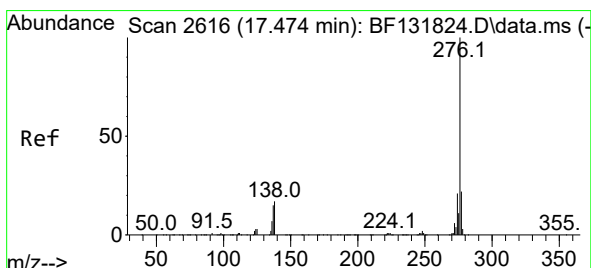
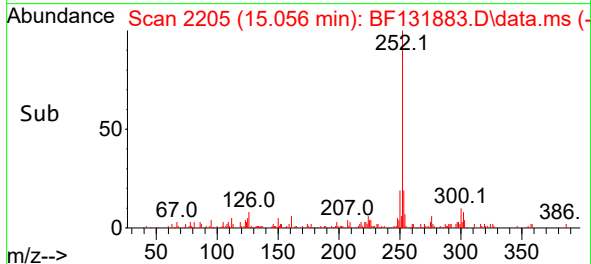
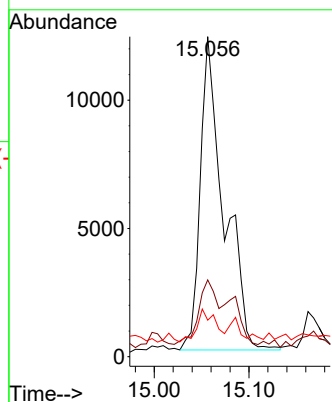
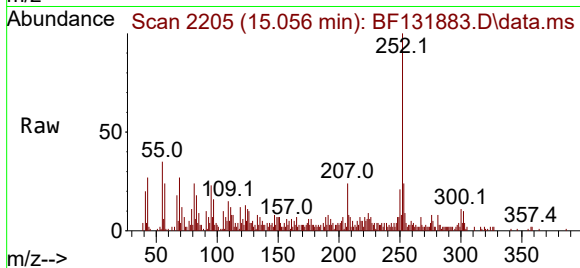
Tgt Ion:252 Resp: 21260

Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

125 11.4 5.4 8.0#



#92

Benzo(g,h,i)perylene

Concen: 5.943 ng

RT: 17.415 min Scan# 2606

Delta R.T. -0.012 min

Lab File: BF131883.D

Acq: 29 Dec 2022 17:51

Tgt Ion:276 Resp: 5695

Ion Ratio Lower Upper

276 100

277 39.4 17.9 26.9#

138 22.1 13.7 20.5#

