

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131159.D
 Acq On : 11 Nov 2022 18:11
 Operator : CG\JU
 Sample : N5506-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Quant Time: Nov 12 00:05:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

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

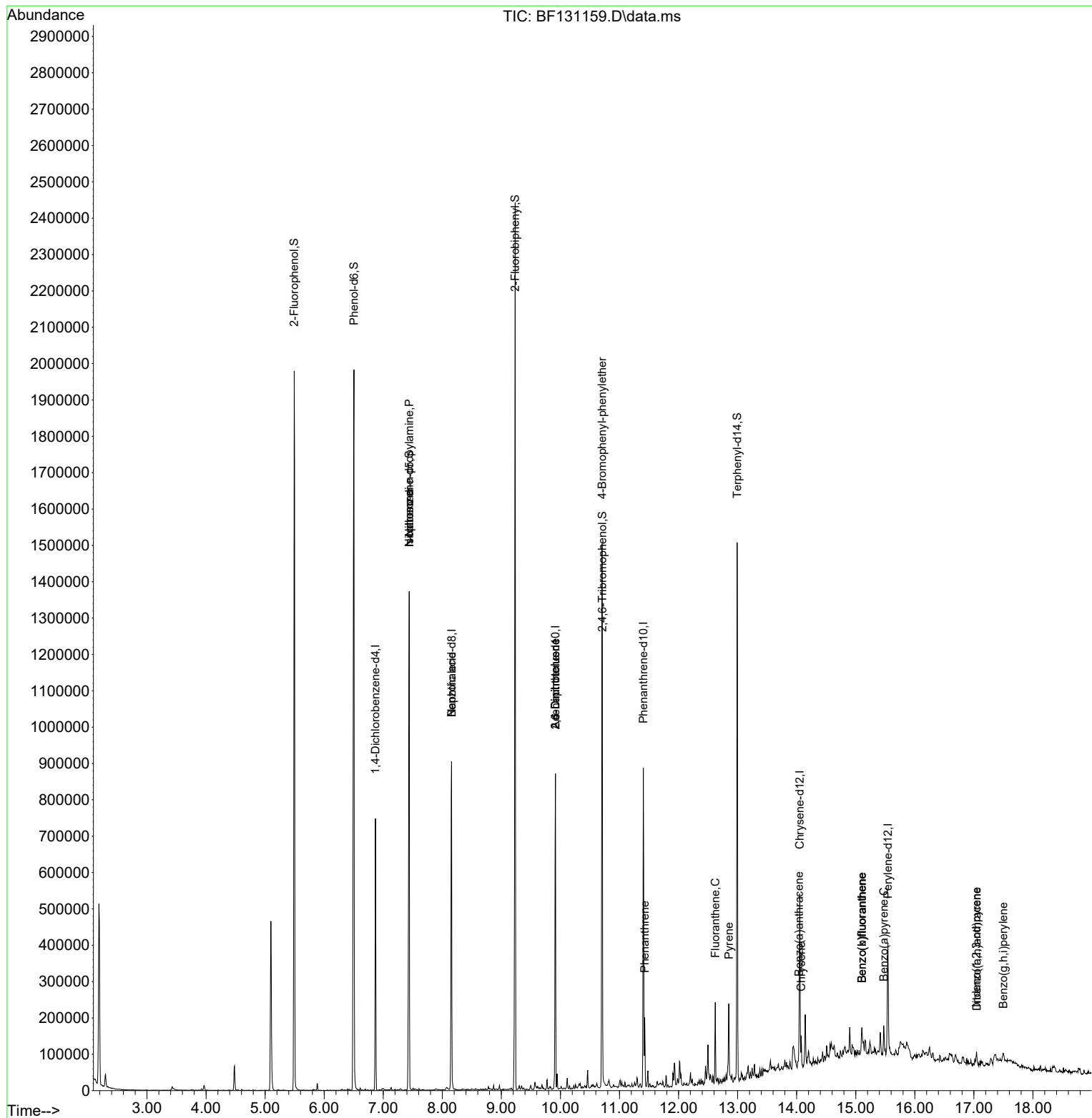
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	90602	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	389288	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	159531	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	295075	20.000	ng	0.00
76) Chrysene-d12	14.051	240	140594	20.000	ng	0.00
86) Perylene-d12	15.545	264	136143	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	482268	90.523	ng	0.00
7) Phenol-d6	6.504	99	667384	95.817	ng	0.00
23) Nitrobenzene-d5	7.439	82	418835	48.543	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	160921	97.604	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	662525	57.974	ng	0.00
79) Terphenyl-d14	12.992	244	473442	59.042	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	58567	12.807	ng	# 76
25) Isophorone	7.439	82	416867	31.248	ng	# 68
32) Benzoic acid	8.157	122	67	5.732	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	20526	8.230	ng	# 15
57) 2,4-Dinitrotoluene	9.916	165	20526	6.192	ng	# 17
67) 4-Bromophenyl-phenylether	10.704	248	10070	3.018	ng	# 1
71) Phenanthrene	11.427	178	59538	3.669	ng	98
75) Fluoranthene	12.621	202	72852	4.485	ng	99
78) Pyrene	12.851	202	80228	6.651	ng	99
81) Benzo(a)anthracene	14.039	228	31938	3.178	ng	92
83) Chrysene	14.074	228	30904	3.256	ng	96
87) Indeno(1,2,3-cd)pyrene	17.045	276	15443	5.140	ng	92
88) Benzo(b)fluoranthene	15.104	252	46429	4.824	ng	# 89
89) Benzo(k)fluoranthene	15.104	252	46429	5.018	ng	# 90
90) Benzo(a)pyrene	15.474	252	27999	3.628	ng	# 94
91) Dibenzo(a,h)anthracene	17.051	278	4774	4.326	ng	# 72
92) Benzo(g,h,i)perylene	17.498	276	18819	6.153	ng	96

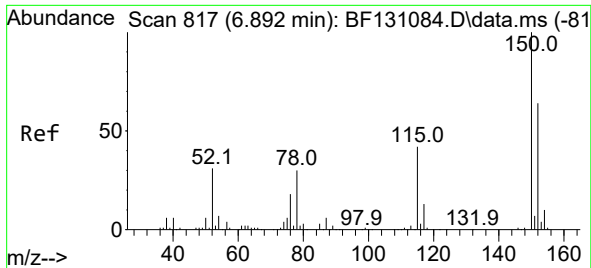
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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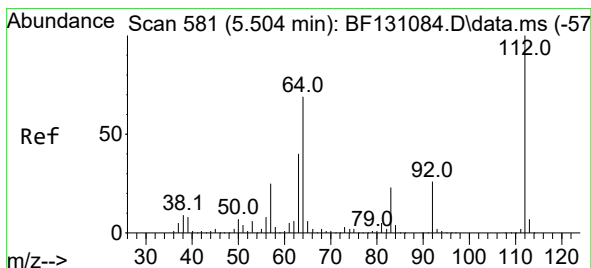
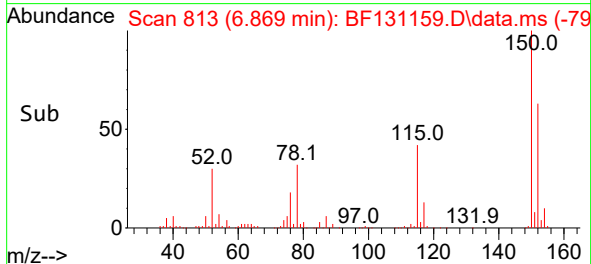
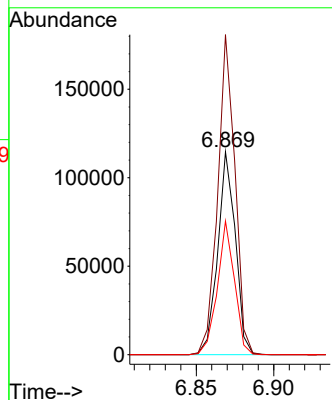
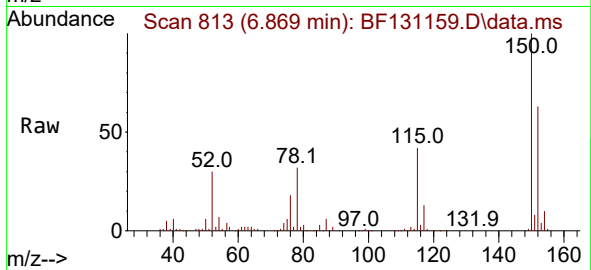




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

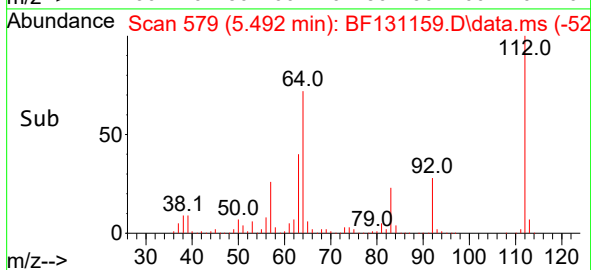
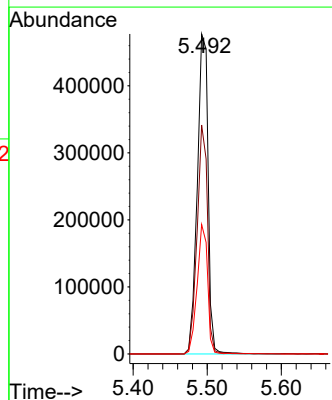
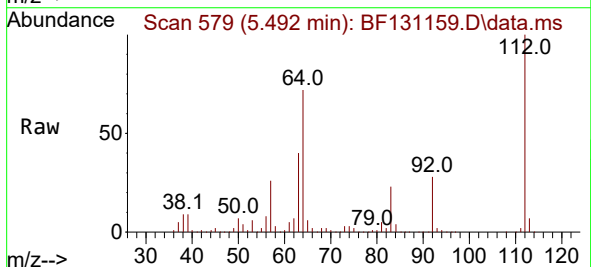
Instrument :
BNA_F
ClientSampleId :
TP-10

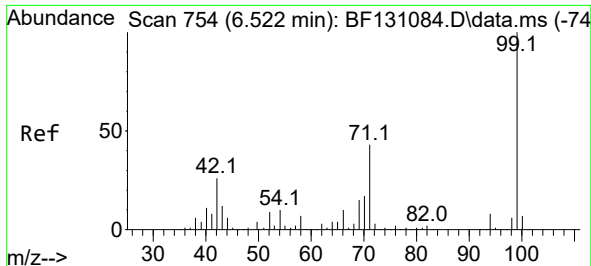
Tgt Ion:152 Resp: 90602
Ion Ratio Lower Upper
152 100
150 157.8 125.5 188.3
115 65.9 52.2 78.2



#5
2-Fluorophenol
Concen: 90.523 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Tgt Ion:112 Resp: 482268
Ion Ratio Lower Upper
112 100
64 71.6 55.1 82.7
63 40.5 32.4 48.6

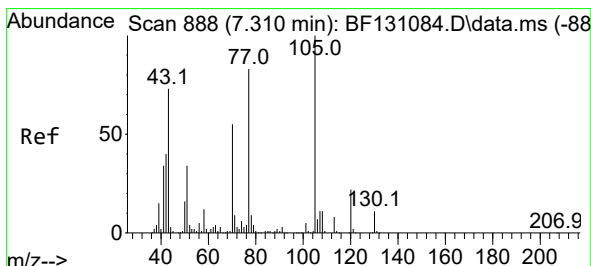
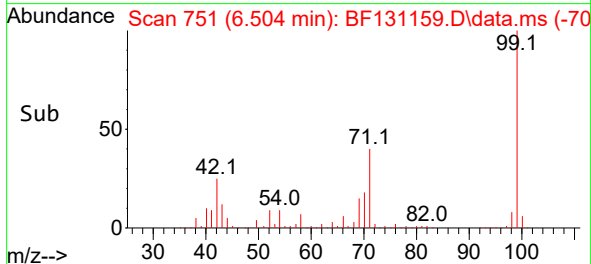
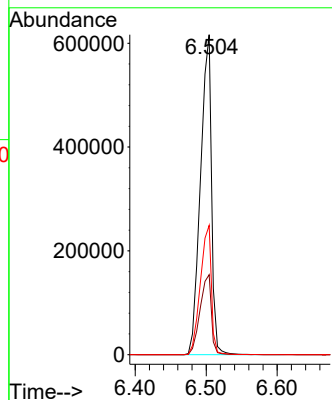
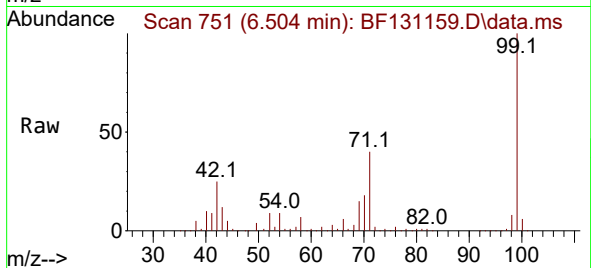




#7
Phenol-d6
Concen: 95.817 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

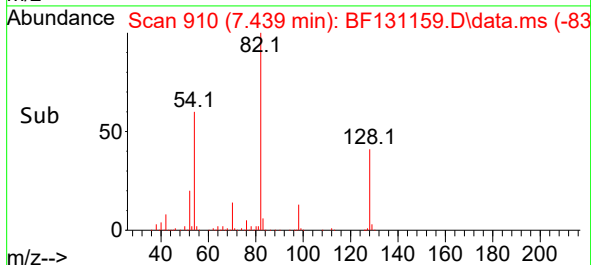
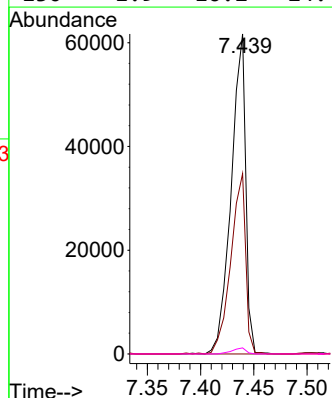
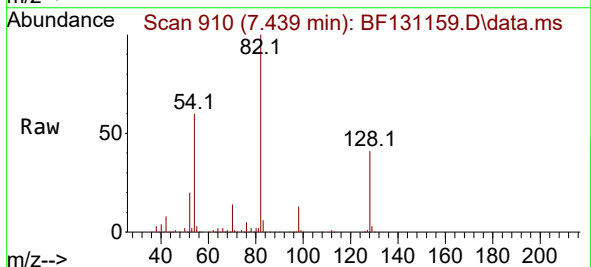
Instrument :
BNA_F
ClientSampleId :
TP-10

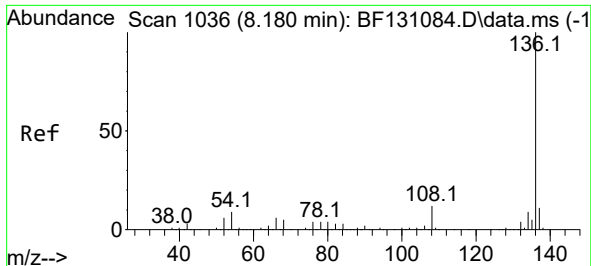
Tgt Ion: 99 Resp: 667384
Ion Ratio Lower Upper
99 100
42 25.0 20.8 31.2
71 40.4 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.807 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.147 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Tgt Ion: 70 Resp: 58567
Ion Ratio Lower Upper
70 100
42 56.3 58.3 87.5#
101 0.0 7.4 11.2#
130 1.9 16.2 24.4#

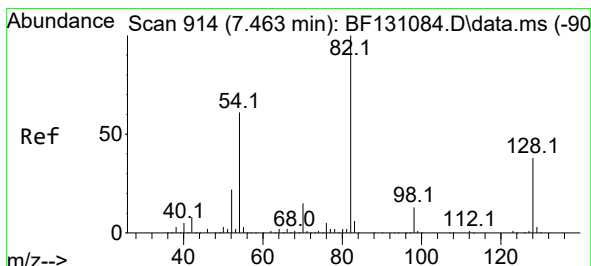
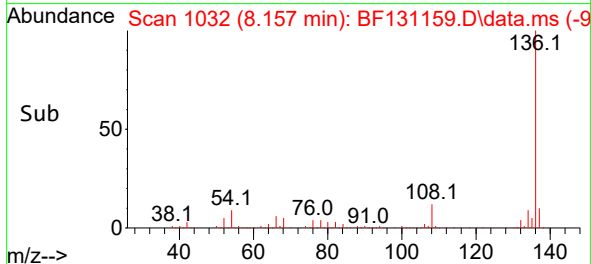
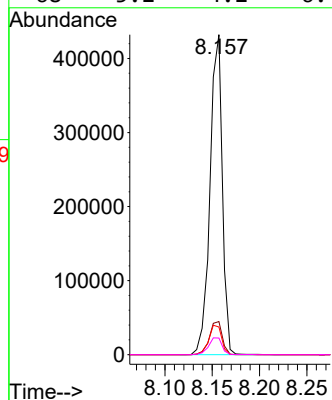
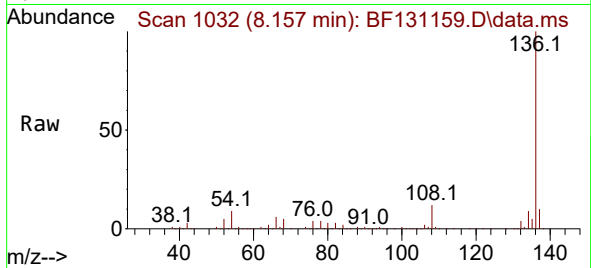




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

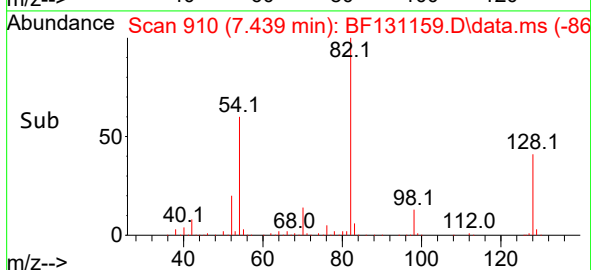
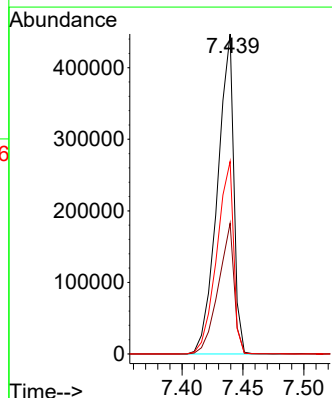
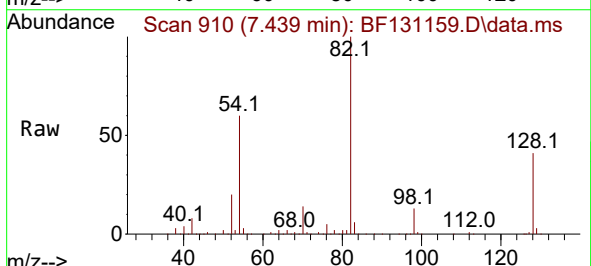
Instrument :
BNA_F
ClientSampleId :
TP-10

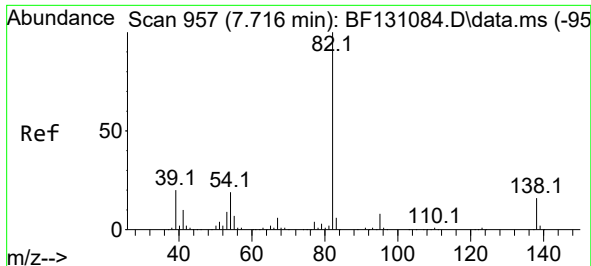
Tgt Ion:136 Resp: 389288
Ion Ratio Lower Upper
136 100
137 10.3 8.6 12.8
54 8.6 7.2 10.8
68 5.2 4.2 6.4



#23
Nitrobenzene-d5
Concen: 48.543 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Tgt Ion: 82 Resp: 418835
Ion Ratio Lower Upper
82 100
128 40.8 30.5 45.7
54 60.2 49.1 73.7

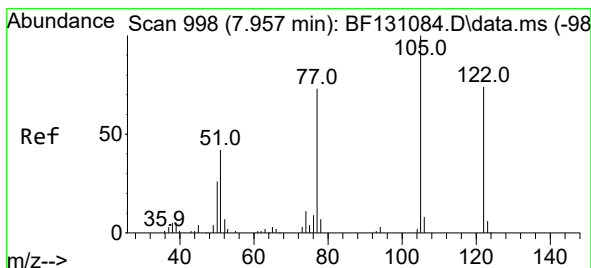
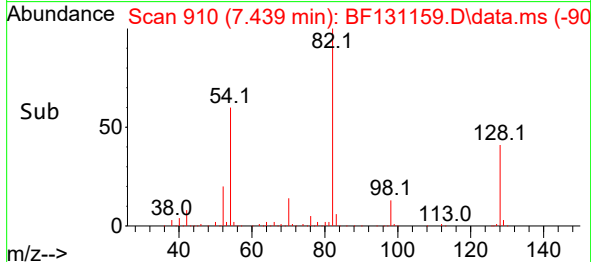
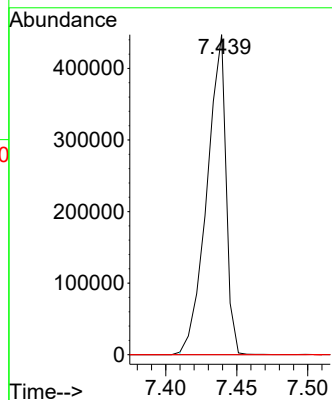
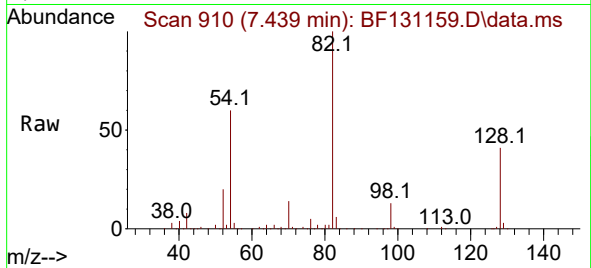




#25
Isophorone
Concen: 31.248 ng
RT: 7.439 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

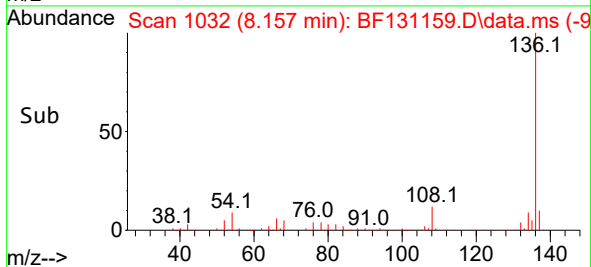
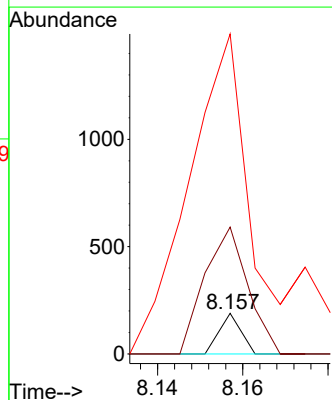
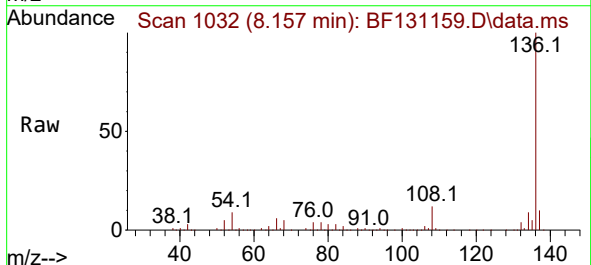
Instrument :
BNA_F
ClientSampleId :
TP-10

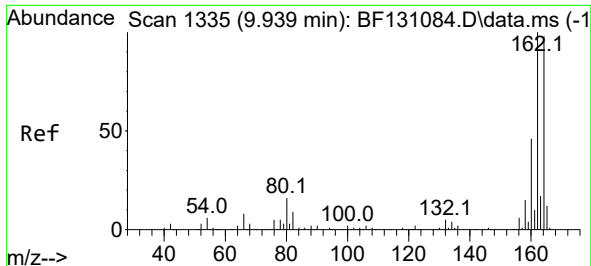
Tgt Ion: 82 Resp: 416867
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#32
Benzoic acid
Concen: 5.732 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.217 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Tgt Ion: 122 Resp: 67
Ion Ratio Lower Upper
122 100
105 312.7 113.0 153.0#
77 788.9 78.7 118.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

Instrument :

BNA_F

ClientSampleId :

TP-10

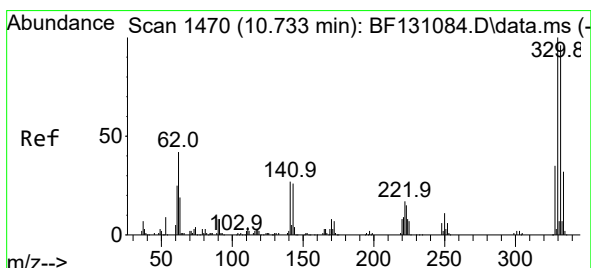
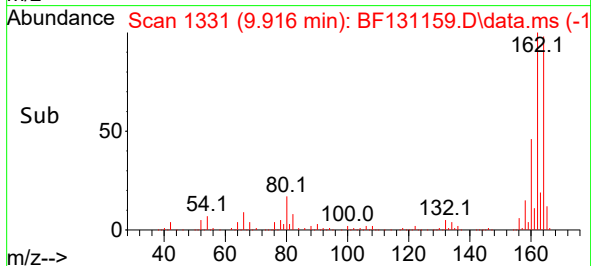
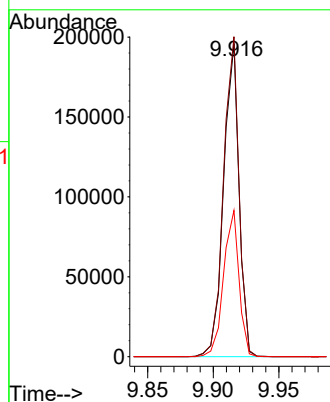
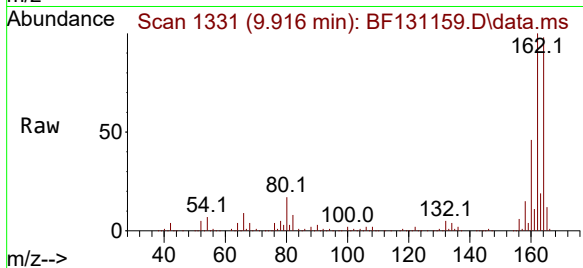
Tgt Ion:164 Resp: 159531

Ion Ratio Lower Upper

164 100

162 102.2 81.7 122.5

160 46.7 37.4 56.2



#42

2,4,6-Tribromophenol

Concen: 97.604 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

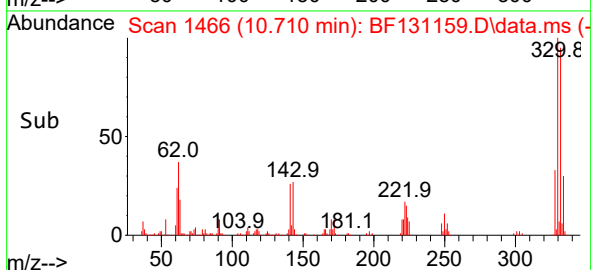
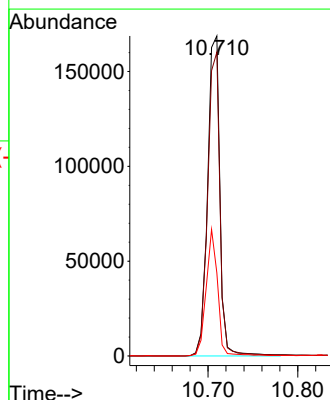
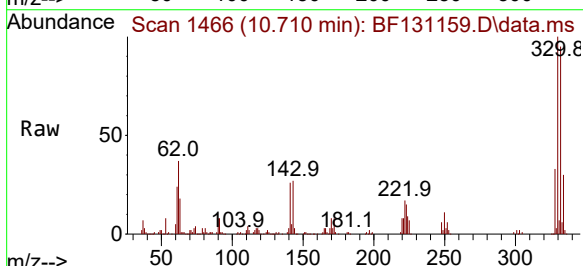
Tgt Ion:330 Resp: 160921

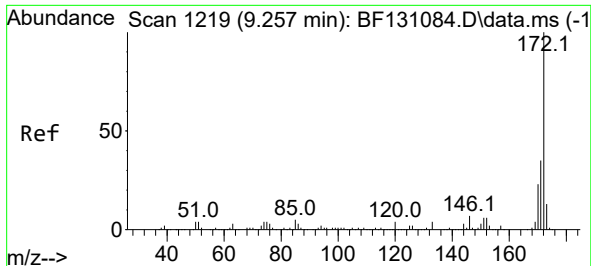
Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.4

141 37.0 28.5 42.7





#45

2-Fluorobiphenyl

Concen: 57.974 ng

RT: 9.233 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

Instrument :

BNA_F

ClientSampleId :

TP-10

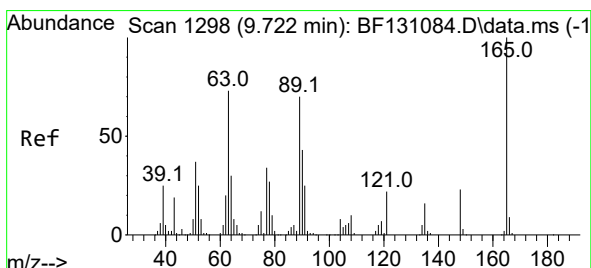
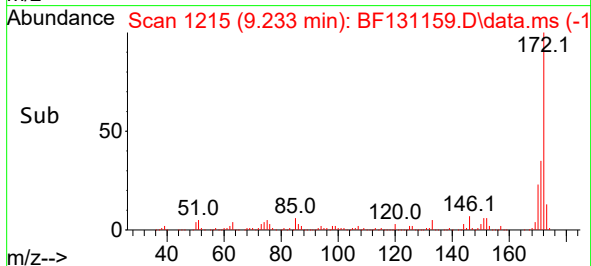
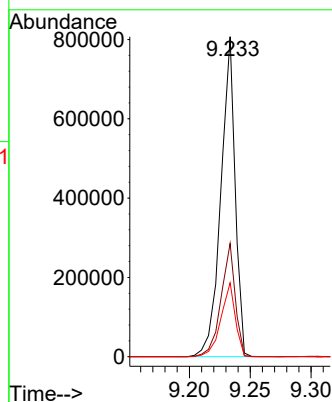
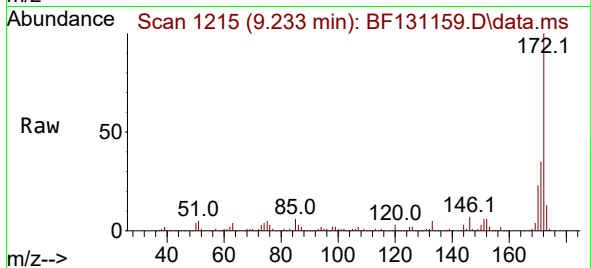
Tgt Ion:172 Resp: 662525

Ion Ratio Lower Upper

172 100

171 35.4 27.7 41.5

170 23.1 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 8.230 ng

RT: 9.916 min Scan# 1331

Delta R.T. 0.212 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

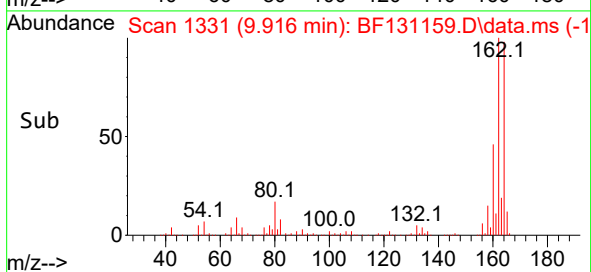
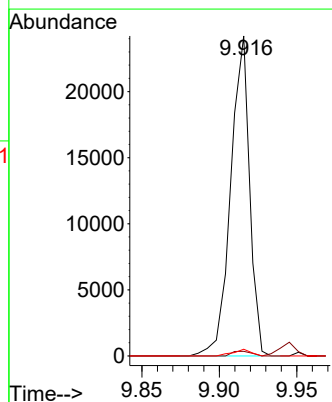
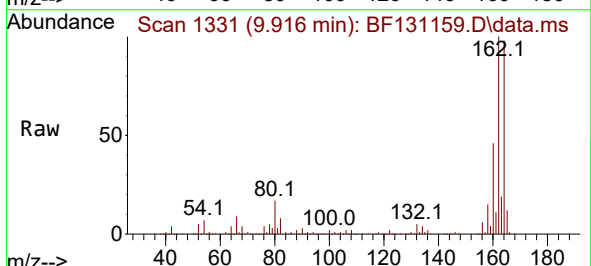
Tgt Ion:165 Resp: 20526

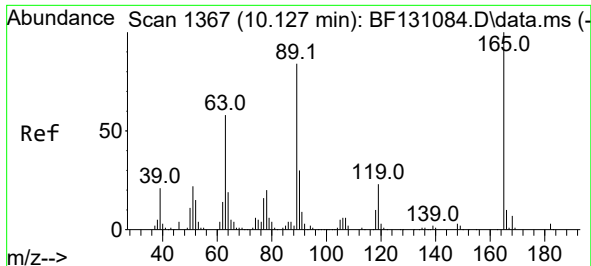
Ion Ratio Lower Upper

165 100

63 1.4 61.4 92.2#

89 2.1 56.0 84.0#

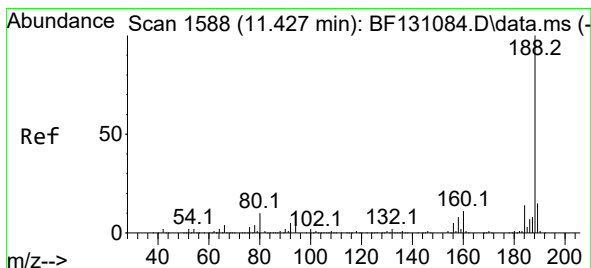
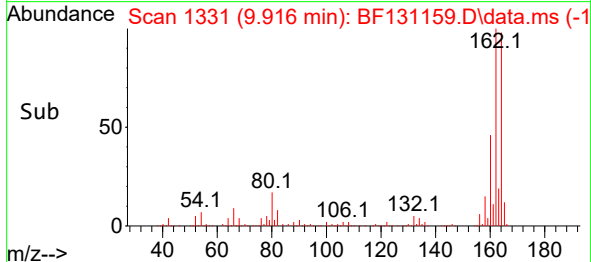
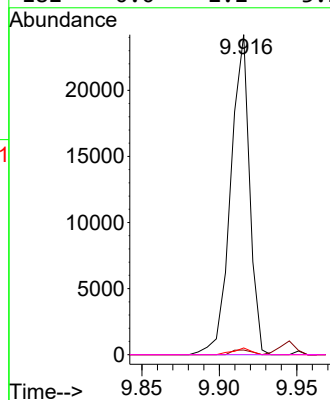
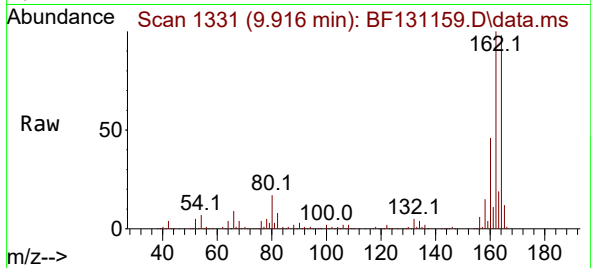




#57
2,4-Dinitrotoluene
Concen: 6.192 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

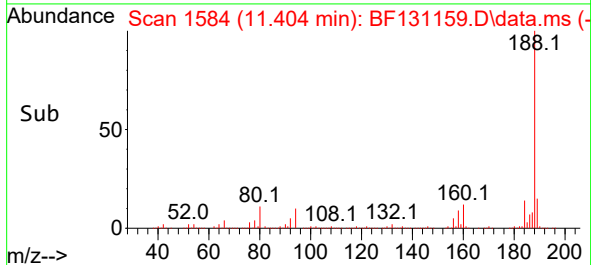
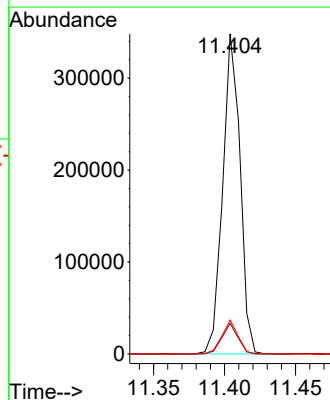
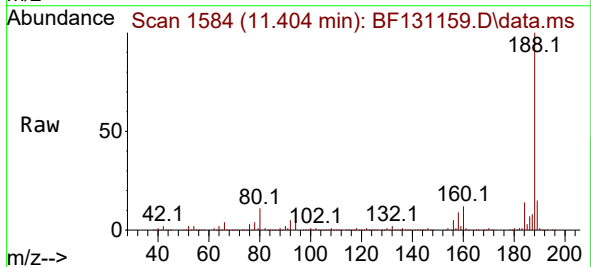
Instrument :
BNA_F
ClientSampleId :
TP-10

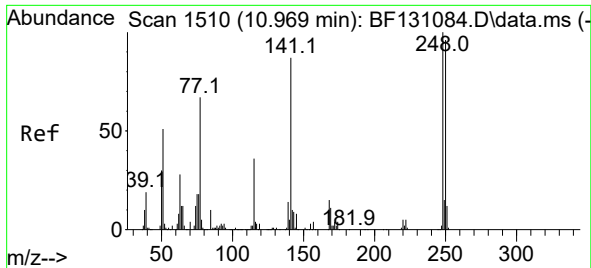
Tgt Ion:165 Resp: 20526
Ion Ratio Lower Upper
165 100
63 1.4 46.9 70.3#
89 2.1 66.9 100.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Tgt Ion:188 Resp: 295075
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.6 7.9 11.9

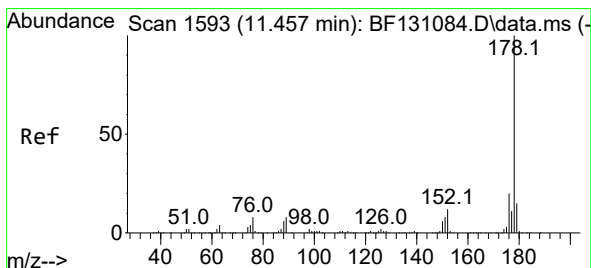
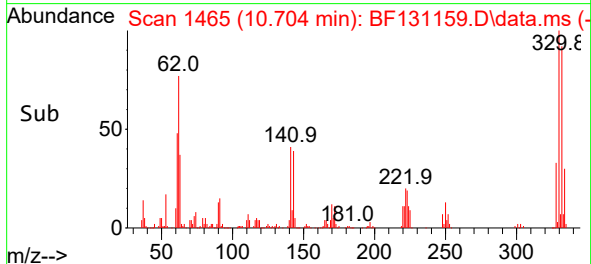
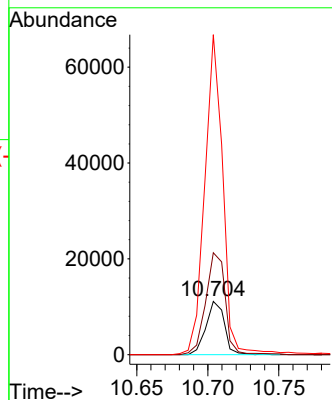
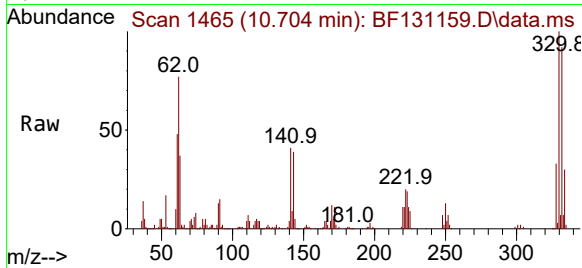




#67
4-Bromophenyl-phenylether
Concen: 3.018 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

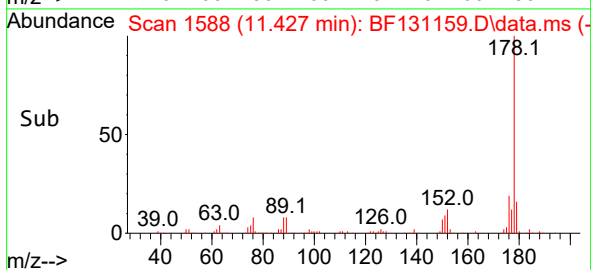
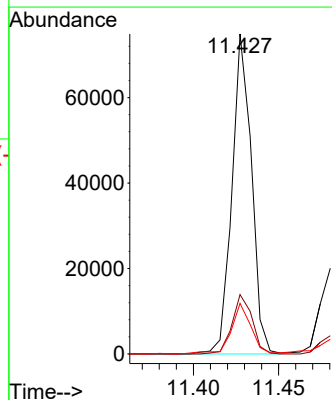
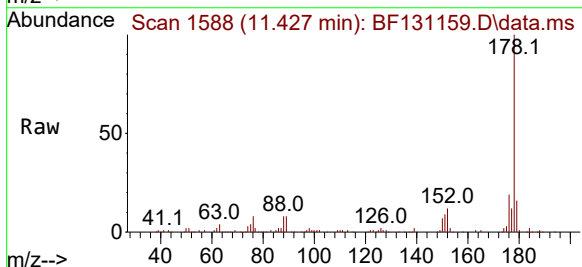
Instrument :
BNA_F
ClientSampleId :
TP-10

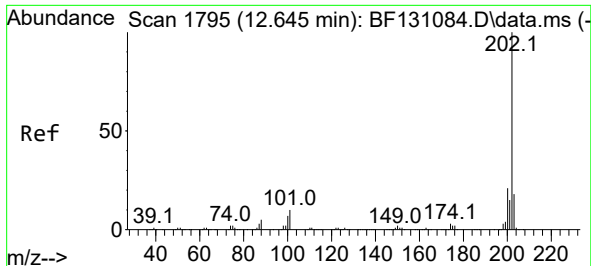
Tgt Ion:248 Resp: 10070
Ion Ratio Lower Upper
248 100
250 191.2 77.0 115.6#
141 600.1 69.7 104.5#



#71
Phenanthrene
Concen: 3.669 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Tgt Ion:178 Resp: 59538
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.8 12.2 18.2

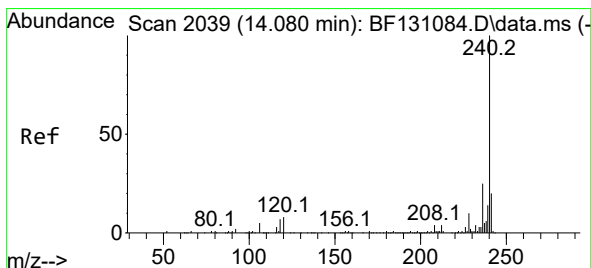
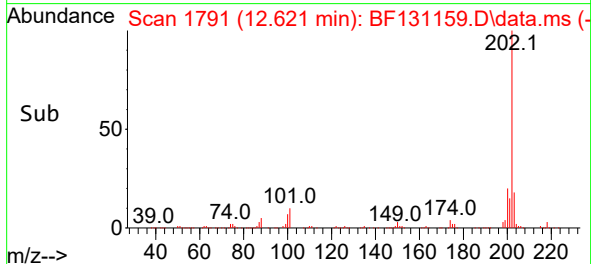
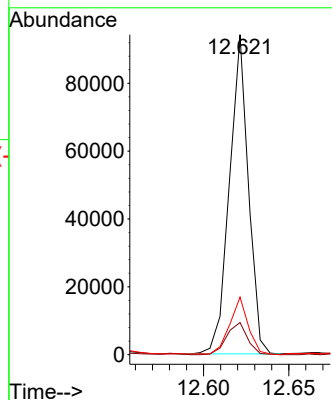
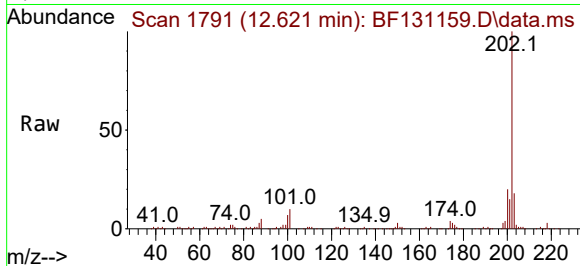




#75
Fluoranthene
Concen: 4.485 ng
RT: 12.621 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

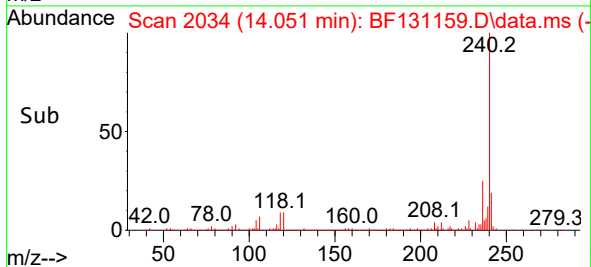
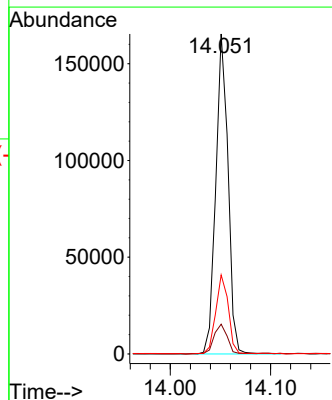
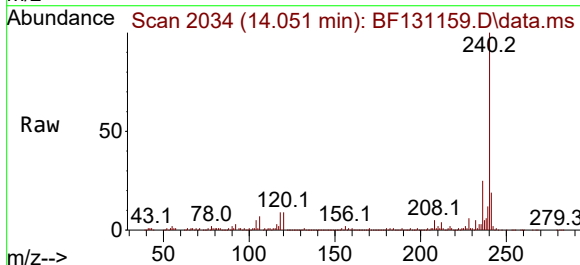
Instrument :
BNA_F
ClientSampleId :
TP-10

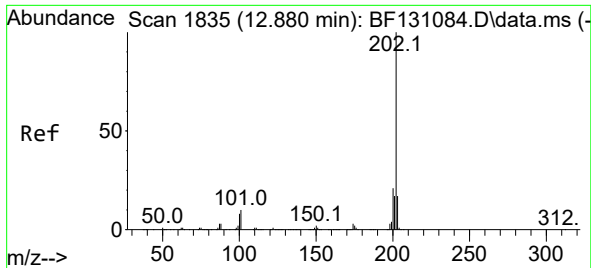
Tgt Ion:202 Resp: 72852
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.0
203 18.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Tgt Ion:240 Resp: 140594
Ion Ratio Lower Upper
240 100
120 9.3 6.5 9.7
236 24.7 19.7 29.5

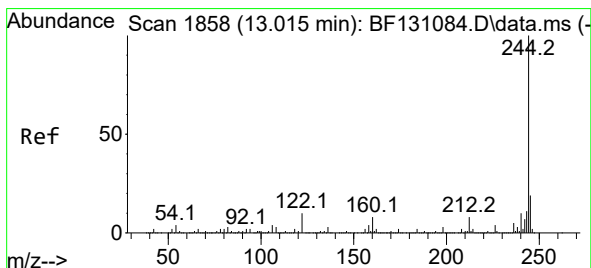
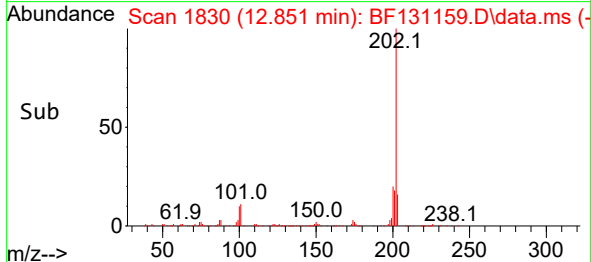
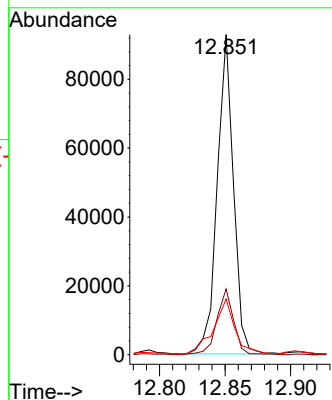
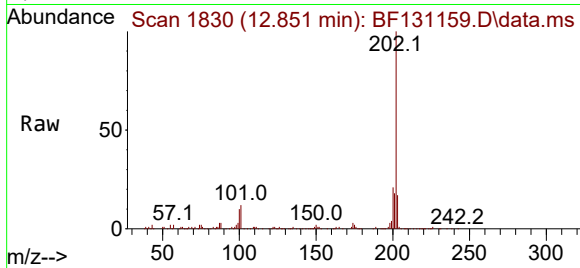




#78
Pyrene
Concen: 6.651 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

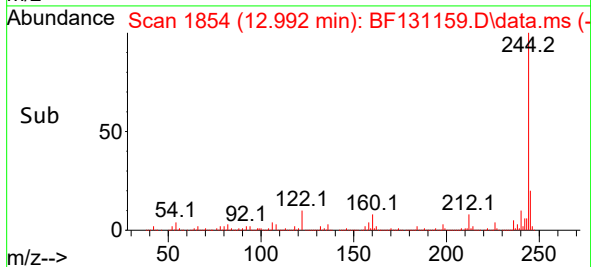
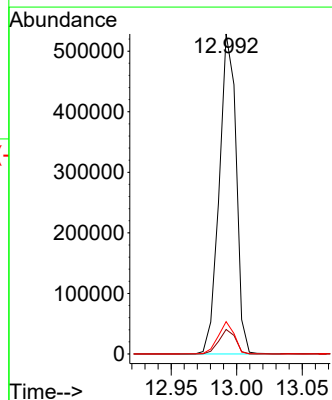
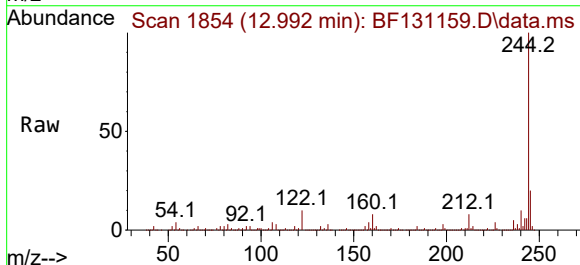
Instrument :
BNA_F
ClientSampleId :
TP-10

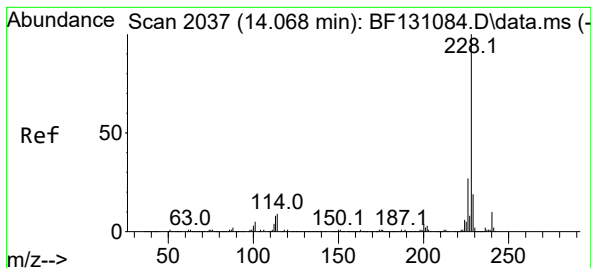
Tgt Ion:202 Resp: 80228
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 17.4 13.6 20.4



#79
Terphenyl-d14
Concen: 59.042 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Tgt Ion:244 Resp: 473442
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 10.1 7.8 11.8





#81

Benzo(a)anthracene

Concen: 3.178 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

Instrument :

BNA_F

ClientSampleId :

TP-10

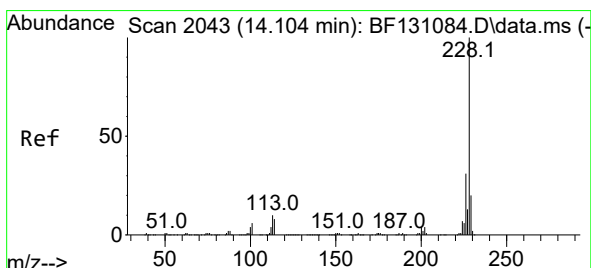
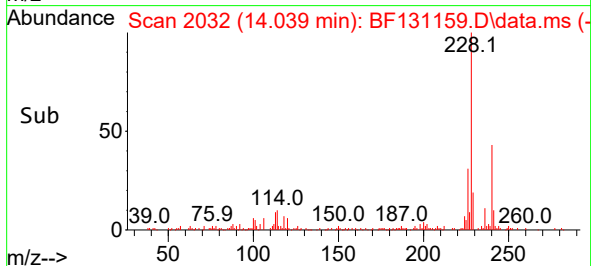
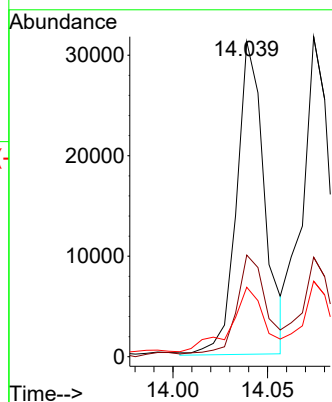
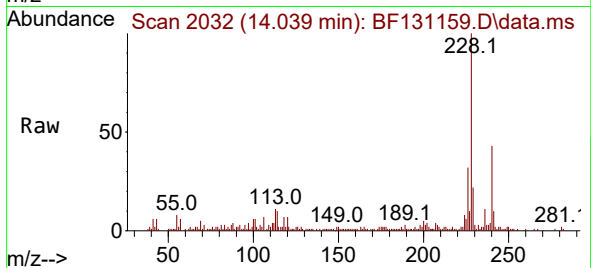
Tgt Ion:228 Resp: 31938

Ion Ratio Lower Upper

228 100

226 32.2 21.8 32.6

229 22.0 15.4 23.2



#83

Chrysene

Concen: 3.256 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

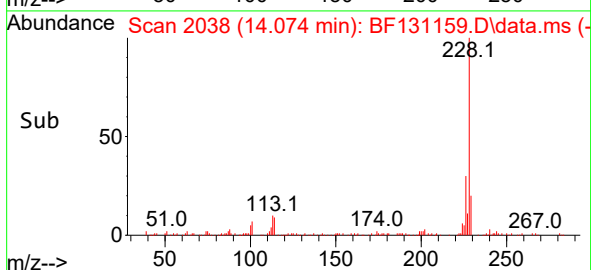
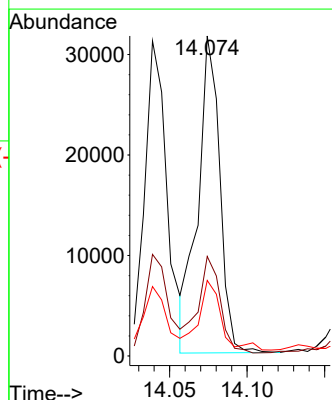
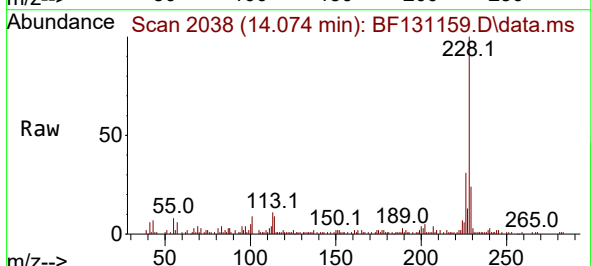
Tgt Ion:228 Resp: 30904

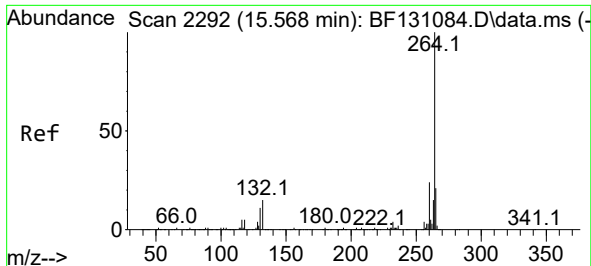
Ion Ratio Lower Upper

228 100

226 31.1 24.4 36.6

229 23.6 15.8 23.6

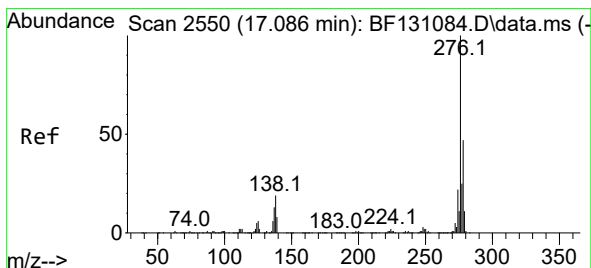
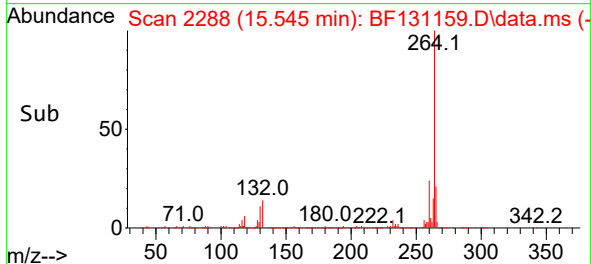
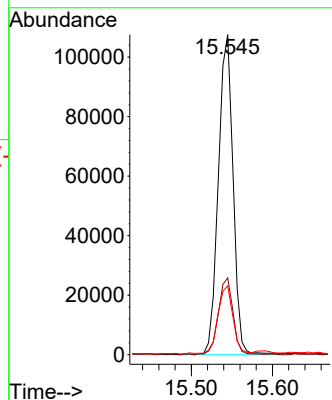
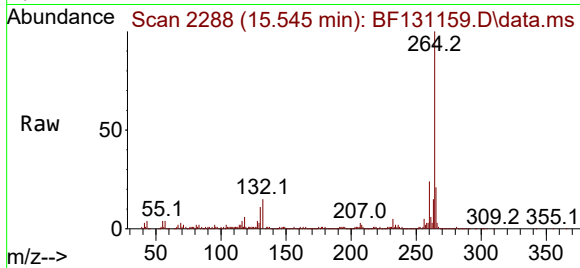




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

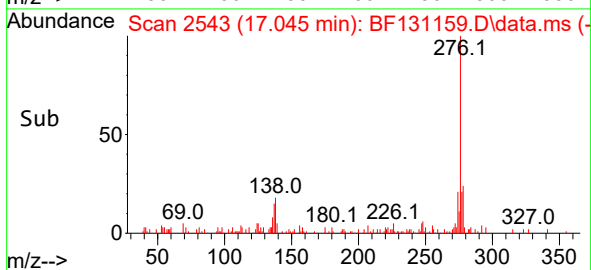
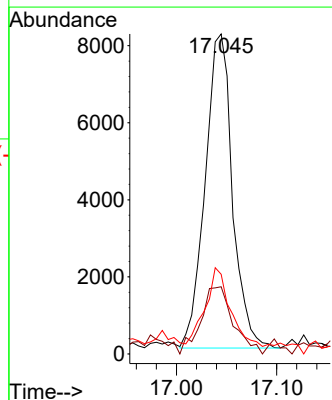
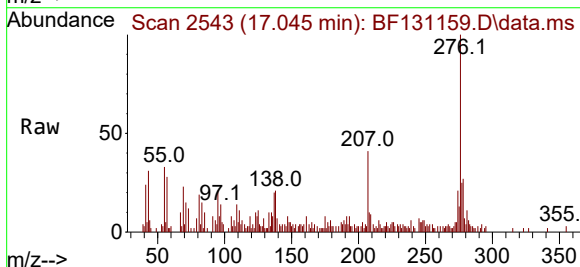
Instrument :
BNA_F
ClientSampleId :
TP-10

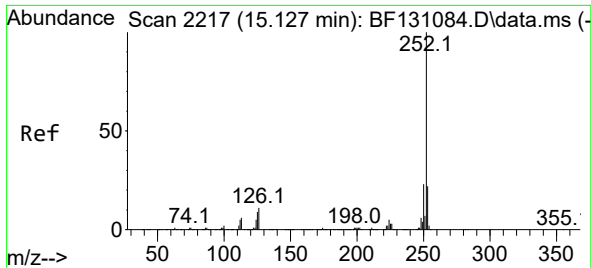
Tgt Ion:264 Resp: 136143
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 21.5 16.7 25.1



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.140 ng
RT: 17.045 min Scan# 2543
Delta R.T. -0.012 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Tgt Ion:276 Resp: 15443
Ion Ratio Lower Upper
276 100
138 25.3 16.9 25.3
277 22.2 20.3 30.5

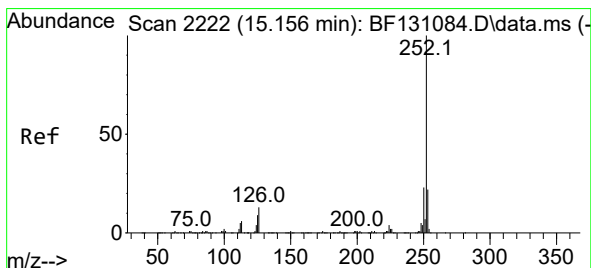
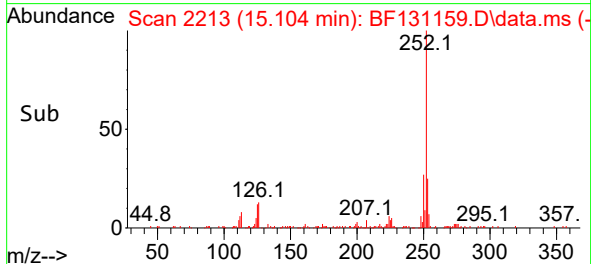
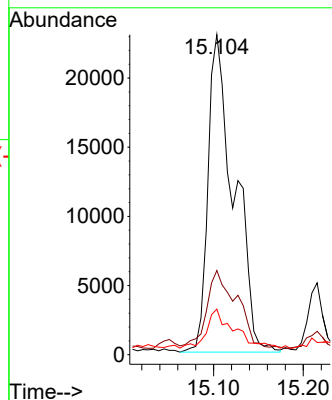
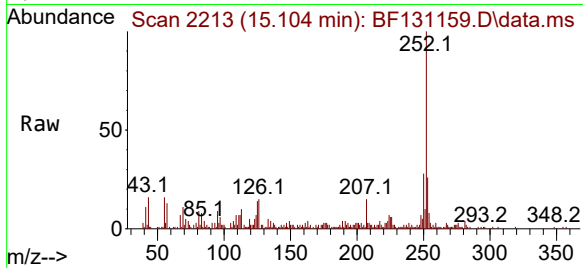




#88
Benzo(b)fluoranthene
Concen: 4.824 ng
RT: 15.104 min Scan# 2217
Delta R.T. -0.000 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

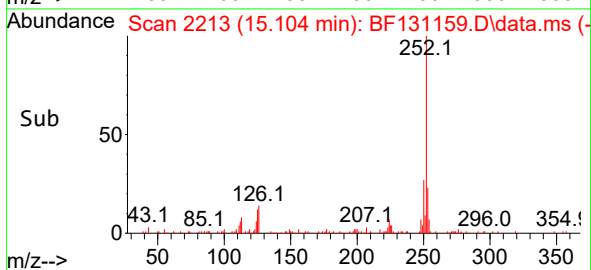
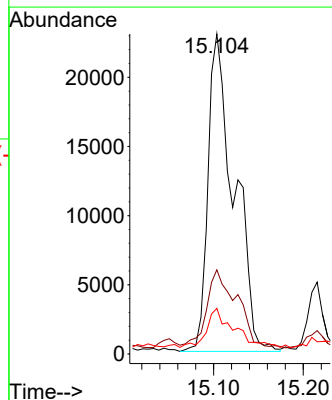
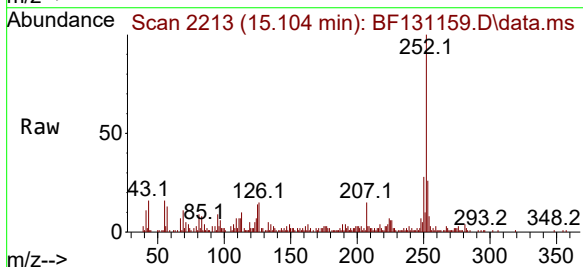
Instrument :
BNA_F
ClientSampleId :
TP-10

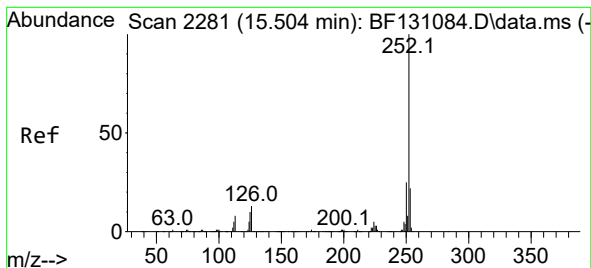
Tgt Ion:252 Resp: 46429
Ion Ratio Lower Upper
252 100
253 26.3 17.3 25.9#
125 14.3 7.2 10.8#



#89
Benzo(k)fluoranthene
Concen: 5.018 ng
RT: 15.104 min Scan# 2213
Delta R.T. -0.035 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Tgt Ion:252 Resp: 46429
Ion Ratio Lower Upper
252 100
253 26.3 17.6 26.4
125 14.3 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 3.628 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

Instrument :

BNA_F

ClientSampleId :

TP-10

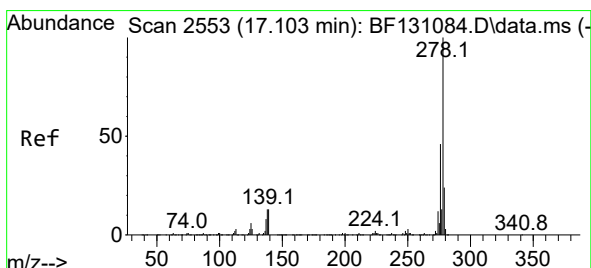
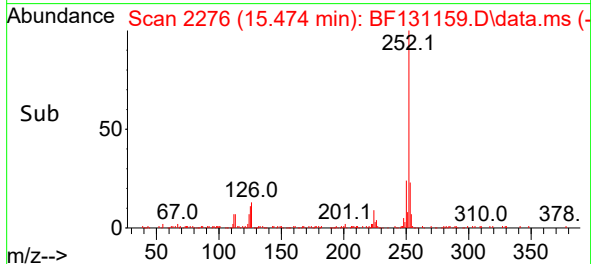
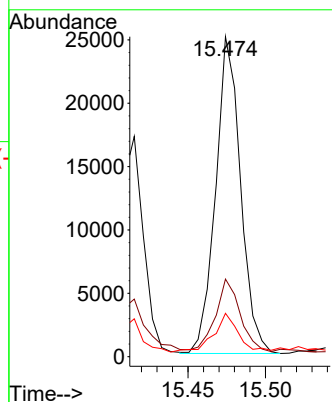
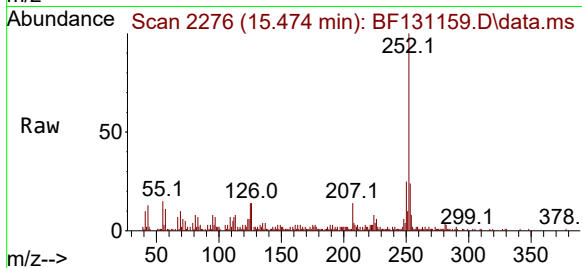
Tgt Ion:252 Resp: 27999

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.8

125 13.6 8.1 12.1#



#91

Dibenzo(a,h)anthracene

Concen: 4.326 ng

RT: 17.051 min Scan# 2544

Delta R.T. -0.024 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

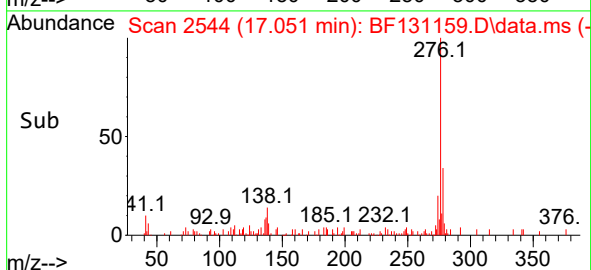
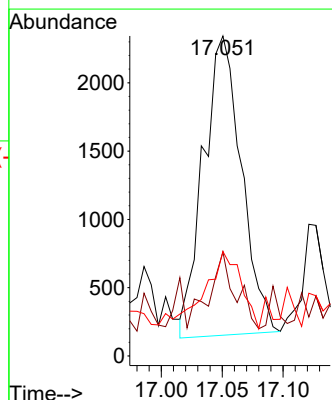
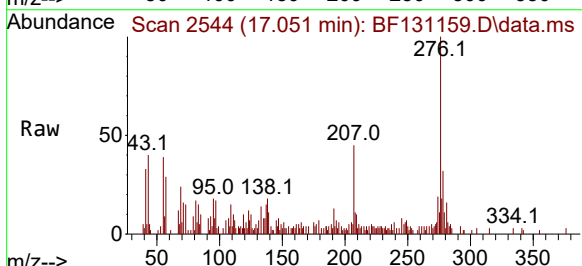
Tgt Ion:278 Resp: 4774

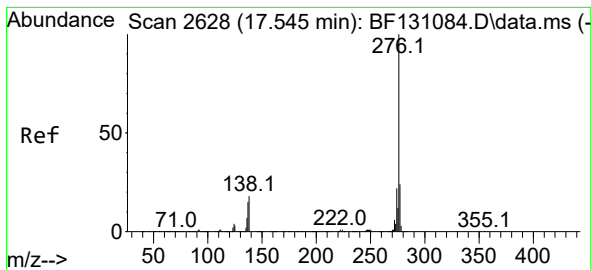
Ion Ratio Lower Upper

278 100

139 32.5 10.8 16.2#

279 32.7 19.2 28.8#





#92

Benzo(g,h,i)perylene

Concen: 6.153 ng

RT: 17.498 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF131159.D

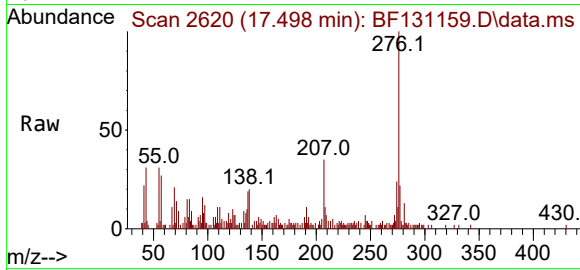
Acq: 11 Nov 2022 18:11

Instrument :

BNA_F

ClientSampleId :

TP-10



Tgt Ion:276 Resp: 18819

Ion Ratio Lower Upper

276 100

277 22.0 19.0 28.4

138 20.0 14.6 21.8

