

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
 Data File : BF131882.D
 Acq On : 29 Dec 2022 17:20
 Operator : CG\JU
 Sample : N6228-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Dec 30 02:11:06 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)

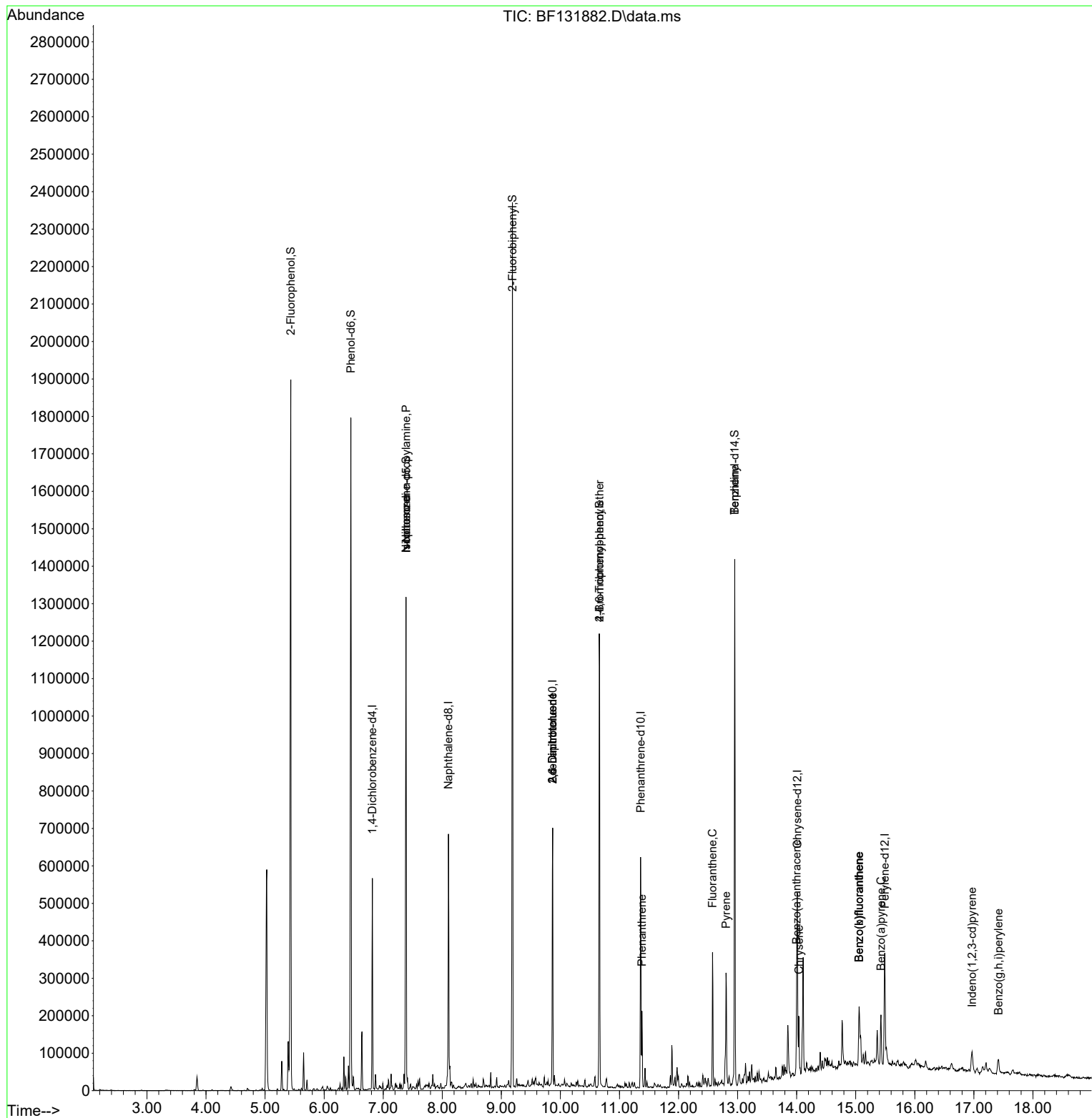
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	68311	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	249260	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	129424	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	202449	20.000	ng	0.00
76) Chrysene-d12	14.010	240	130086	20.000	ng	0.00
86) Perylene-d12	15.492	264	132139	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	460337	111.677	ng	0.01
7) Phenol-d6	6.451	99	594140	109.709	ng	0.00
23) Nitrobenzene-d5	7.387	82	431112	69.054	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	129119	91.821	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	629075	66.577	ng	0.00
79) Terphenyl-d14	12.951	244	442795	57.577	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.387	70	61643	16.117	ng	# 81
25) Isophorone	7.387	82	429640	42.140	ng	# 69
51) 2,6-Dinitrotoluene	9.869	165	16671	7.865	ng	# 17
57) 2,4-Dinitrotoluene	9.869	165	16671	5.751	ng	# 17
67) 4-Bromophenyl-phenylether	10.663	248	9002	3.837	ng	# 1
71) Phenanthrene	11.380	178	65377	5.872	ng	99
75) Fluoranthene	12.575	202	130178	10.039	ng	98
77) Benzidine	12.951	184	7099	3.321	ng	# 90
78) Pyrene	12.804	202	121495	11.143	ng	99
81) Benzo(a)anthracene	13.998	228	72768	7.726	ng	99
83) Chrysene	14.039	228	63343	7.157	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	33680	4.012	ng	99
88) Benzo(b)fluoranthene	15.057	252	115932	11.965	ng	98
89) Benzo(k)fluoranthene	15.057	252	115932	12.384	ng	98
90) Benzo(a)pyrene	15.427	252	65139	8.684	ng	94
92) Benzo(g,h,i)perylene	17.415	276	30913	8.633	ng	96

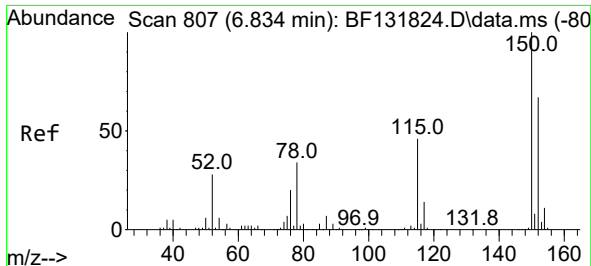
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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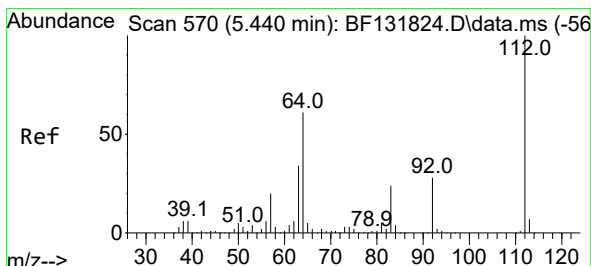
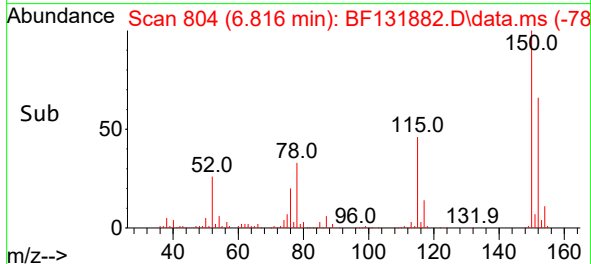
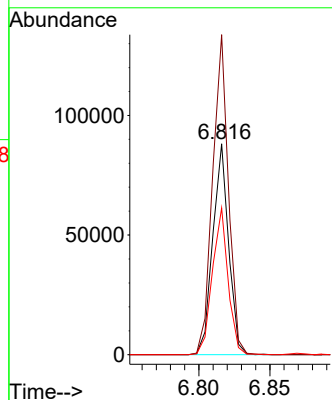
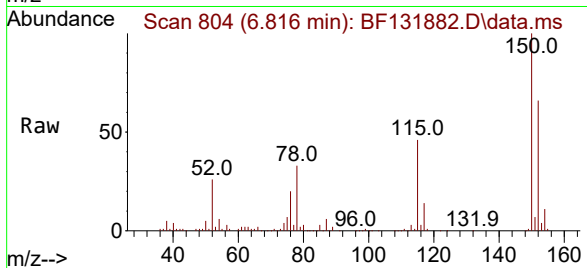




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 807
Delta R.T. 0.000 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

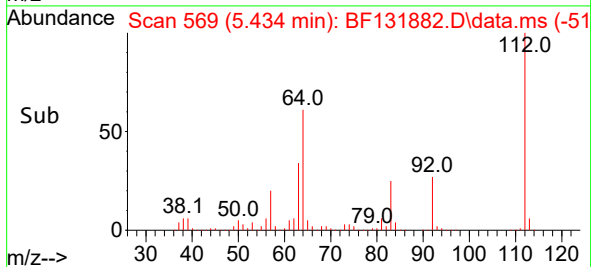
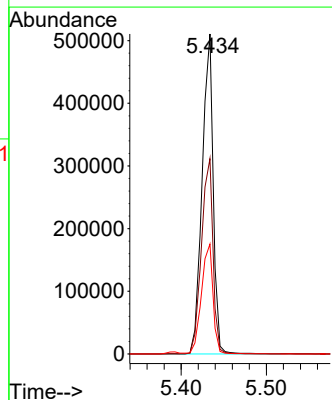
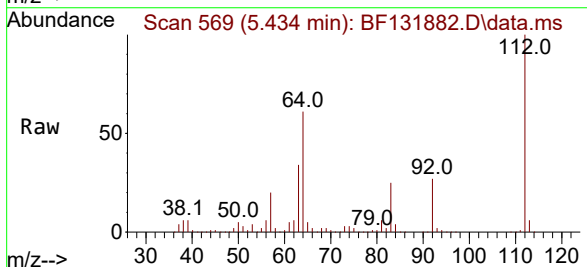
Instrument :
BNA_F
ClientSampleId :
TP-1

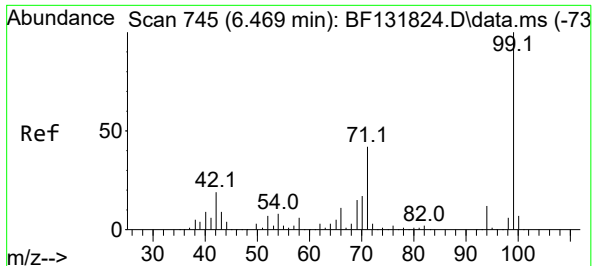
Tgt Ion:152 Resp: 68311
Ion Ratio Lower Upper
152 100
150 151.7 120.0 180.0
115 69.6 55.1 82.7



#5
2-Fluorophenol
Concen: 111.677 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Tgt Ion:112 Resp: 460337
Ion Ratio Lower Upper
112 100
64 61.0 49.2 73.8
63 34.4 27.5 41.3

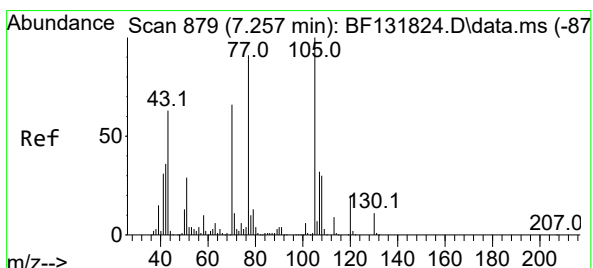
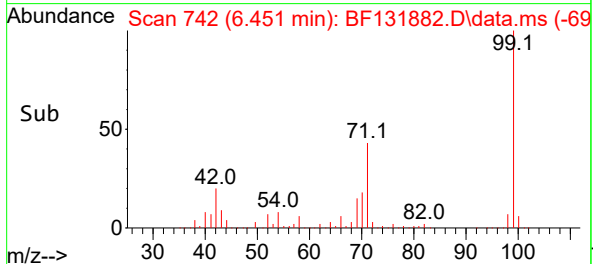
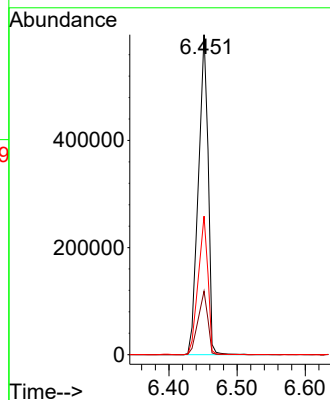
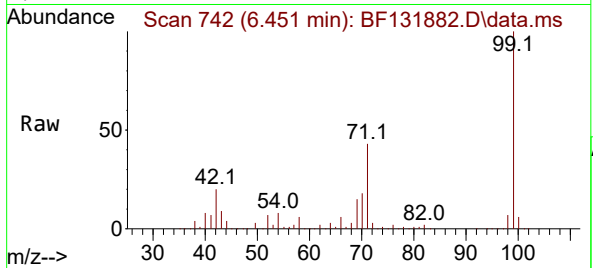




#7
Phenol-d6
Concen: 109.709 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

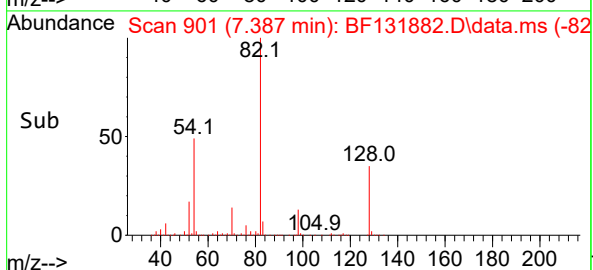
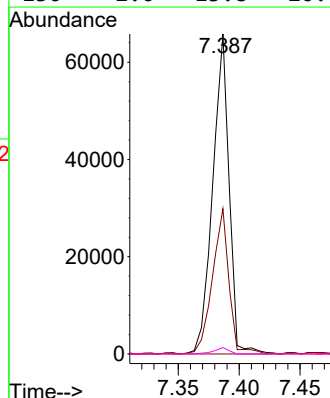
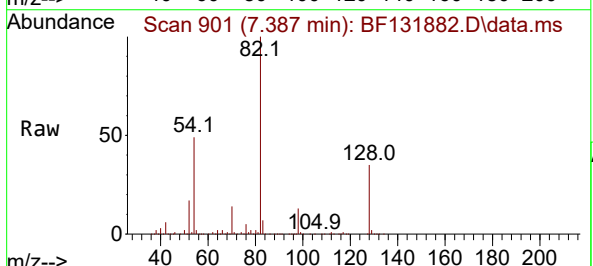
Instrument :
BNA_F
ClientSampleId :
TP-1

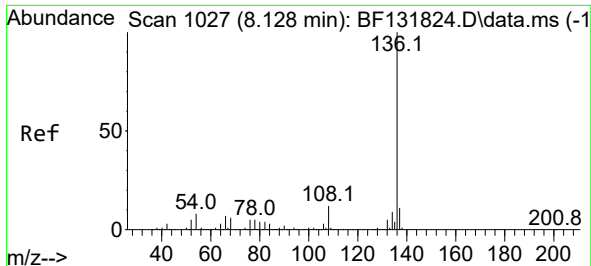
Tgt Ion: 99 Resp: 594140
Ion Ratio Lower Upper
99 100
42 19.8 15.3 22.9
71 43.3 33.5 50.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.117 ng
RT: 7.387 min Scan# 901
Delta R.T. 0.147 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Tgt Ion: 70 Resp: 61643
Ion Ratio Lower Upper
70 100
42 45.4 43.8 65.6
101 0.0 7.4 11.0#
130 2.0 13.8 20.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BF131882.D

Acq: 29 Dec 2022 17:20

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:136 Resp: 249260

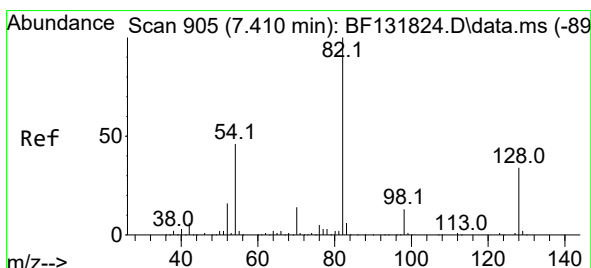
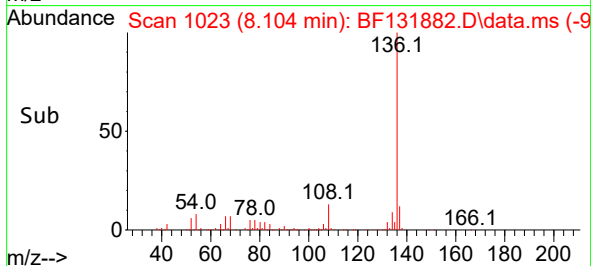
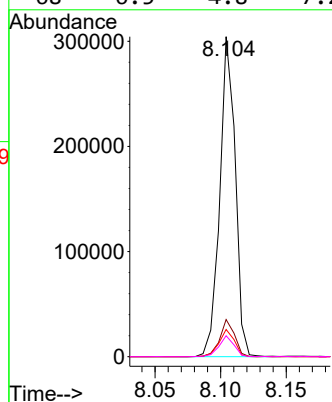
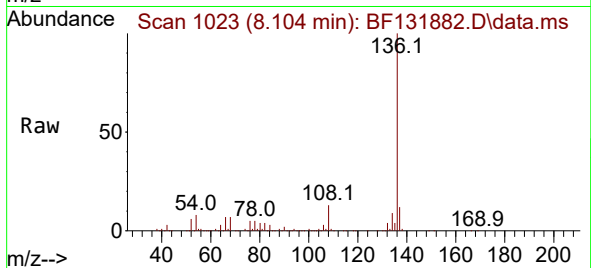
Ion Ratio Lower Upper

136 100

137 11.6 8.6 12.8

54 8.5 6.7 10.1

68 6.5 4.8 7.2



#23

Nitrobenzene-d5

Concen: 69.054 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF131882.D

Acq: 29 Dec 2022 17:20

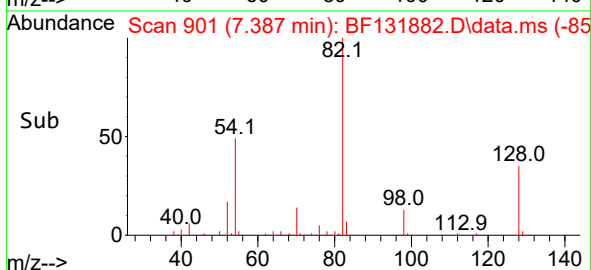
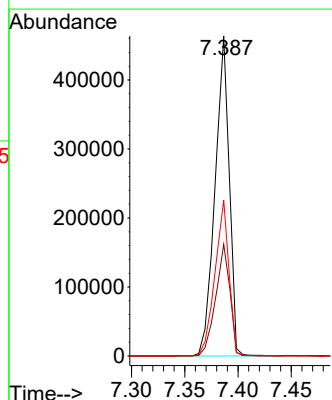
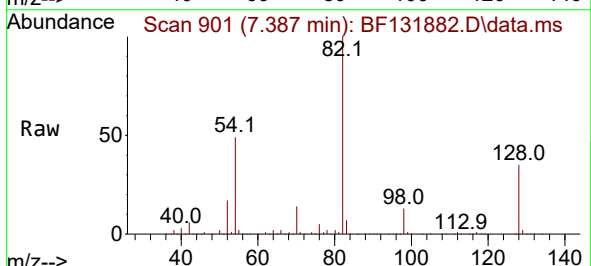
Tgt Ion: 82 Resp: 431112

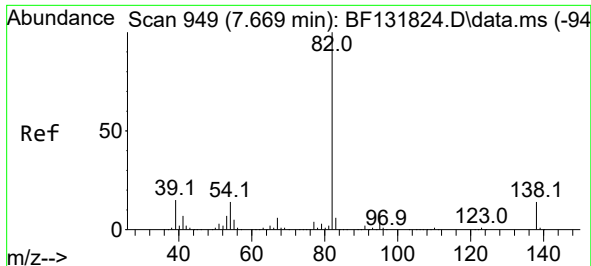
Ion Ratio Lower Upper

82 100

128 34.8 27.1 40.7

54 48.7 37.0 55.6

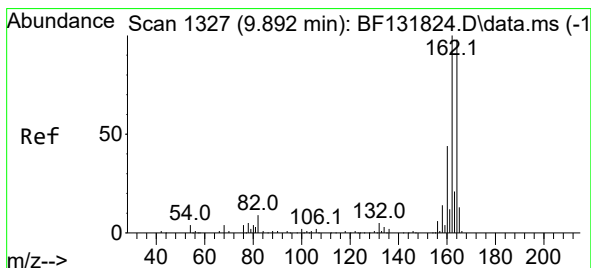
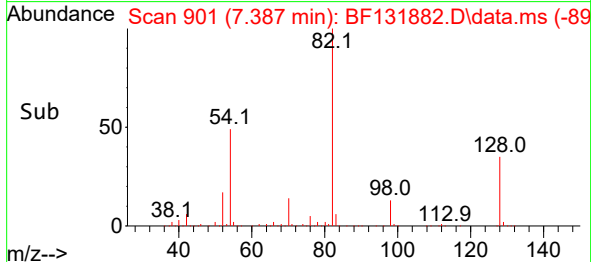
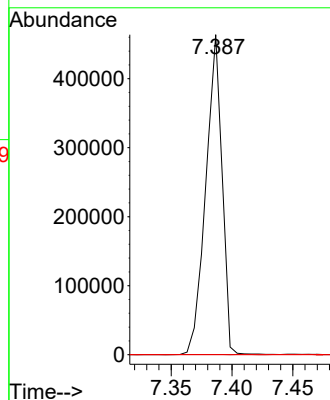
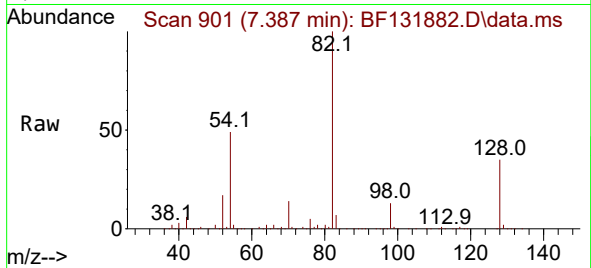




#25
Isophorone
Concen: 42.140 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.265 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

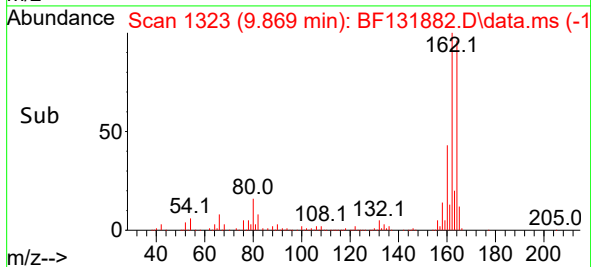
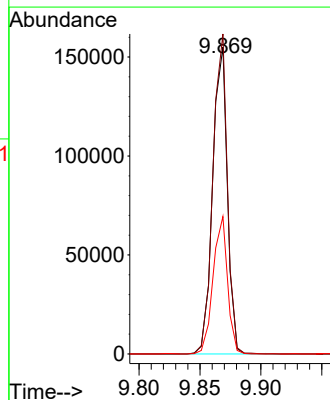
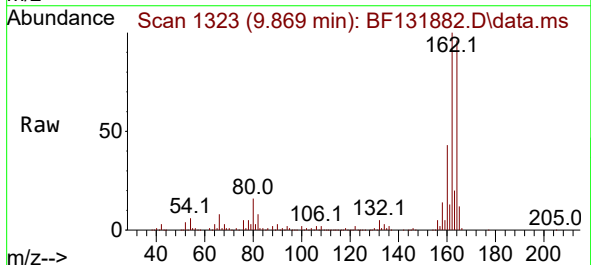
Instrument :
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ClientSampleId :
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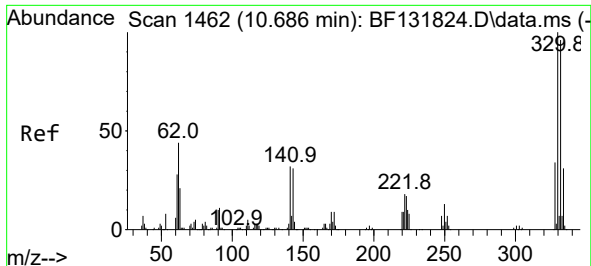
Tgt Ion: 82 Resp: 429640
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 11.5 17.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Tgt Ion:164 Resp: 129424
Ion Ratio Lower Upper
164 100
162 104.3 81.8 122.6
160 44.8 35.7 53.5

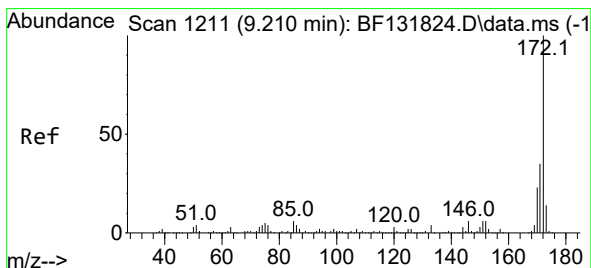
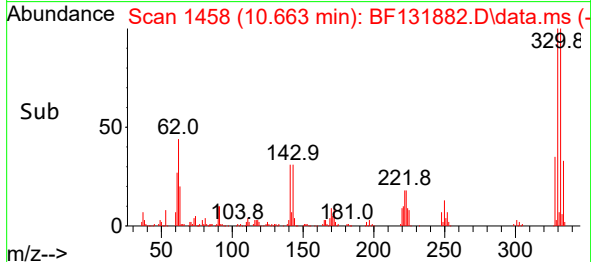
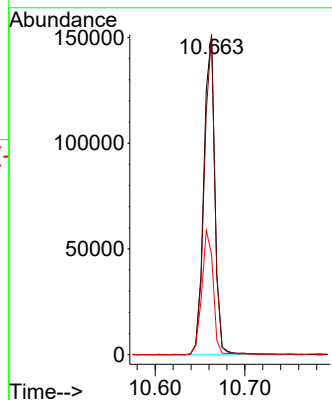
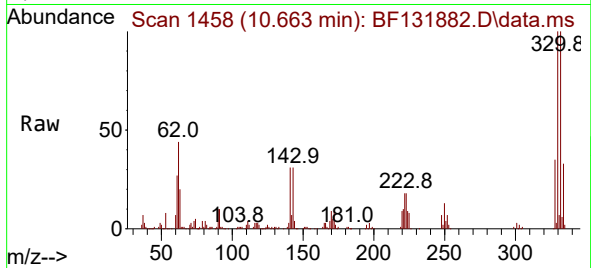




#42
2,4,6-Tribromophenol
Concen: 91.821 ng
RT: 10.663 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

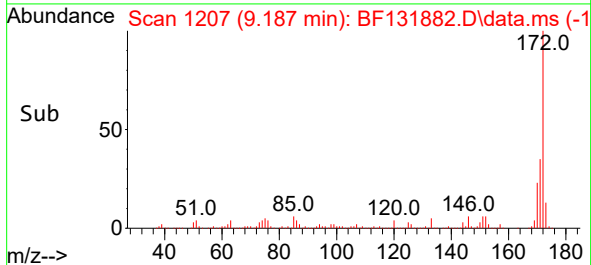
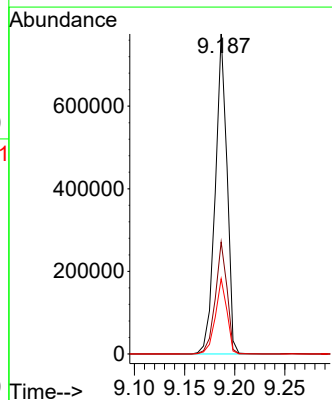
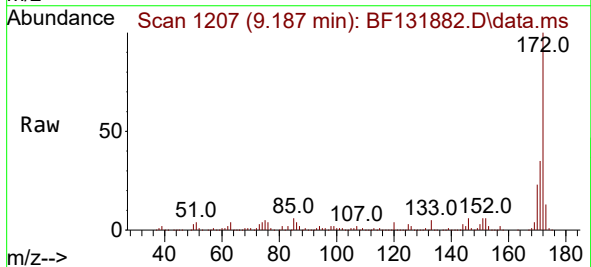
Instrument :
BNA_F
ClientSampleId :
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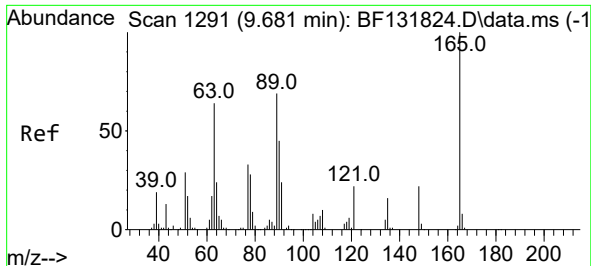
Tgt Ion:330 Resp: 129119
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.4
141 40.0 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 66.577 ng
RT: 9.187 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Tgt Ion:172 Resp: 629075
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.5 18.7 28.1

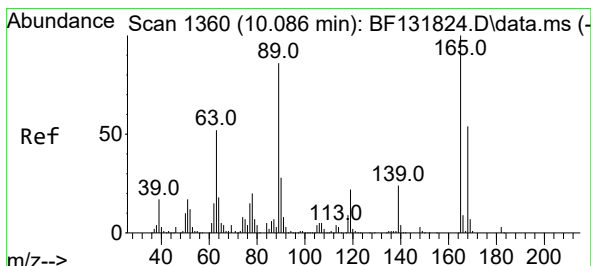
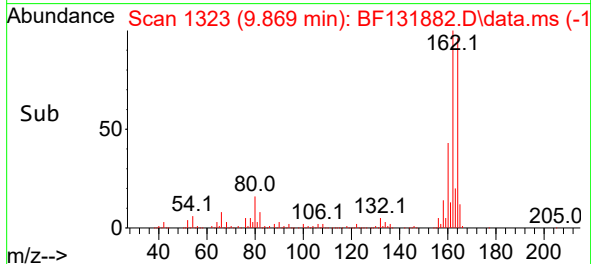
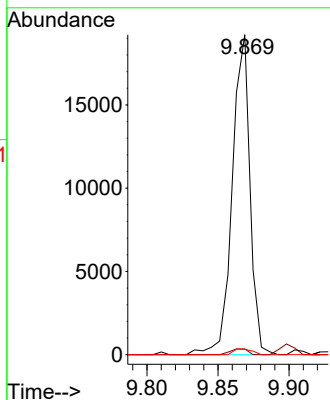
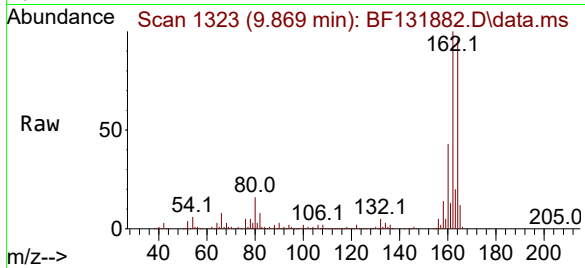




#51
2,6-Dinitrotoluene
Concen: 7.865 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

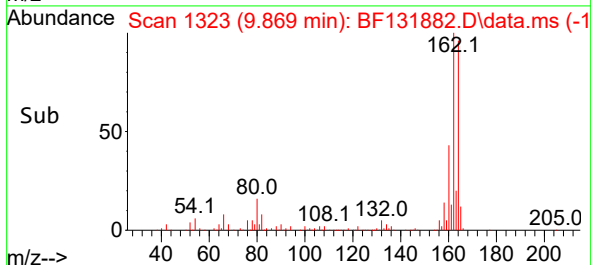
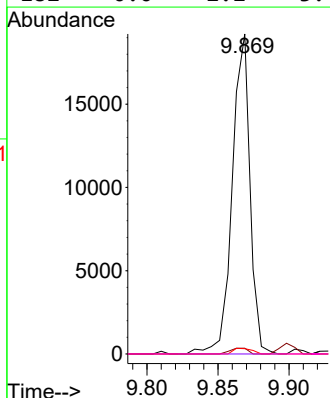
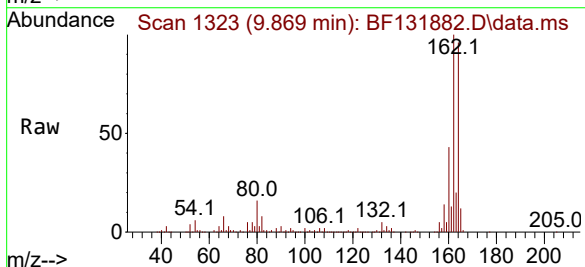
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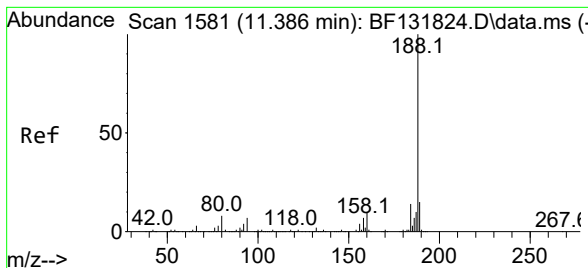
Tgt Ion:165 Resp: 16671
Ion Ratio Lower Upper
165 100
63 1.8 55.1 82.7#
89 1.6 55.0 82.4#



#57
2,4-Dinitrotoluene
Concen: 5.751 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.200 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Tgt Ion:165 Resp: 16671
Ion Ratio Lower Upper
165 100
63 1.8 42.1 63.1#
89 1.6 69.1 103.7#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131882.D

Acq: 29 Dec 2022 17:20

Instrument :

BNA_F

ClientSampleId :

TP-1

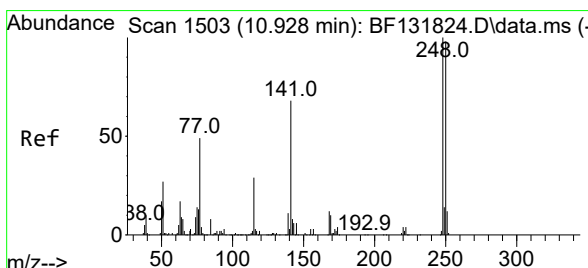
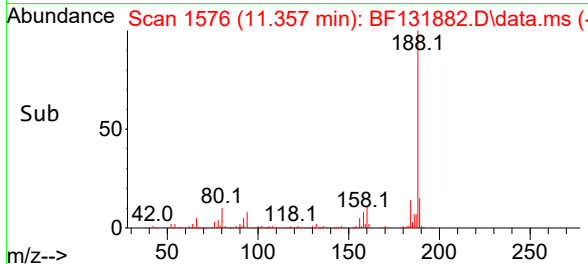
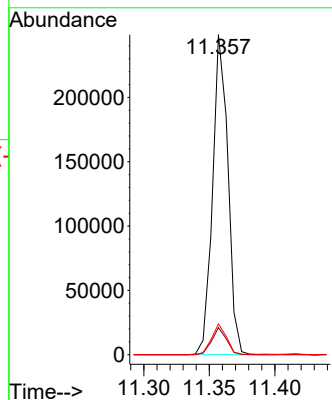
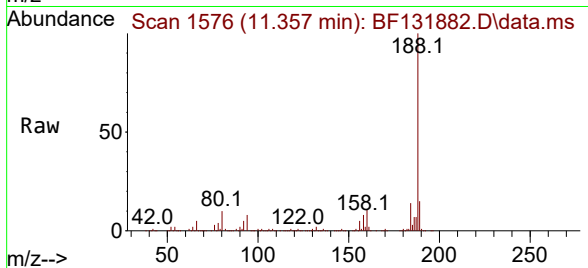
Tgt Ion:188 Resp: 202449

Ion Ratio Lower Upper

188 100

94 8.5 5.8 8.6

80 9.6 6.7 10.1



#67

4-Bromophenyl-phenylether

Concen: 3.837 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF131882.D

Acq: 29 Dec 2022 17:20

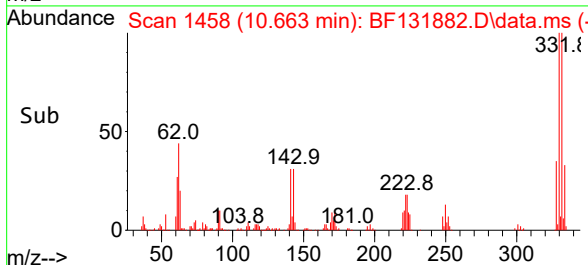
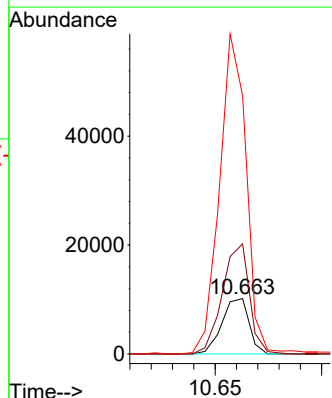
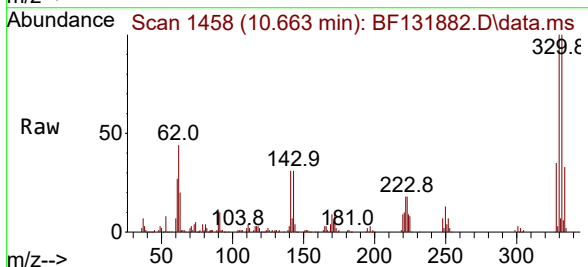
Tgt Ion:248 Resp: 9002

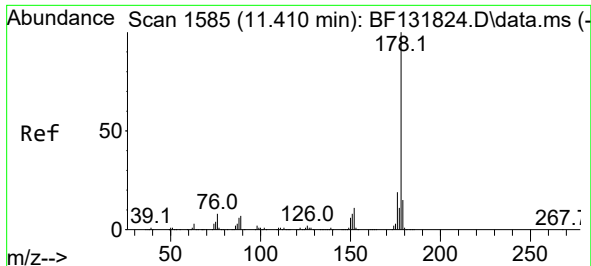
Ion Ratio Lower Upper

248 100

250 199.2 78.0 117.0#

141 467.1 54.8 82.2#

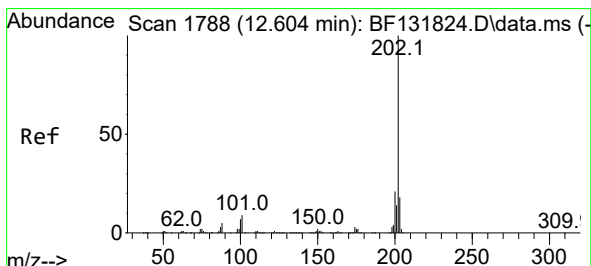
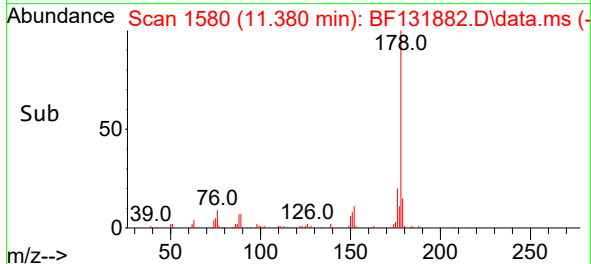
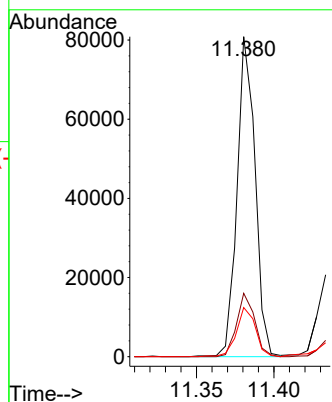
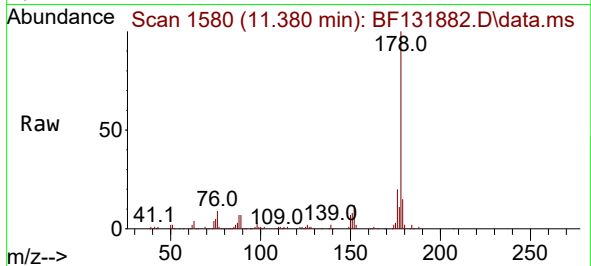




#71
Phenanthrene
Concen: 5.872 ng
RT: 11.380 min Scan# 11380
Delta R.T. -0.012 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

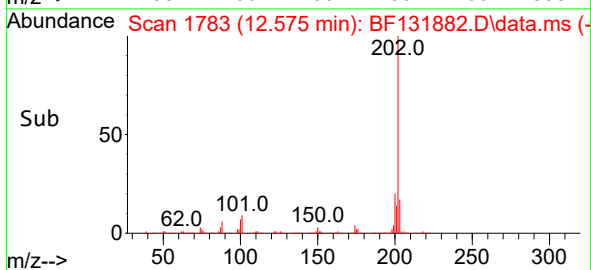
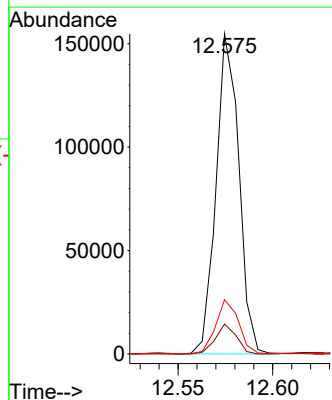
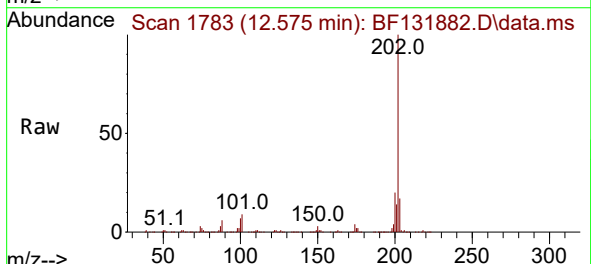
Instrument :
BNA_F
ClientSampleId :
TP-1

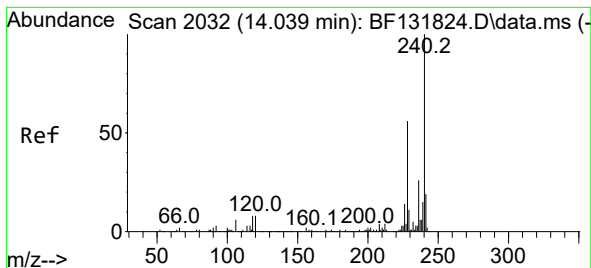
Tgt Ion:178 Resp: 65377
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.4 12.2 18.4



#75
Fluoranthene
Concen: 10.039 ng
RT: 12.575 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Tgt Ion:202 Resp: 130178
Ion Ratio Lower Upper
202 100
101 9.4 0.0 28.6
203 16.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF131882.D

Acq: 29 Dec 2022 17:20

Instrument :

BNA_F

ClientSampleId :

TP-1

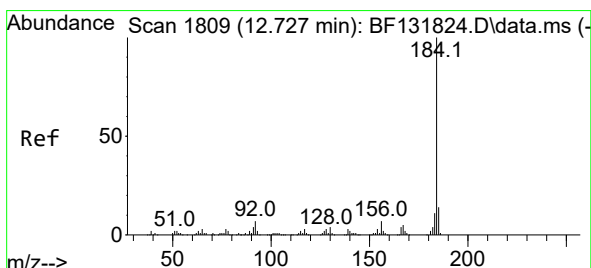
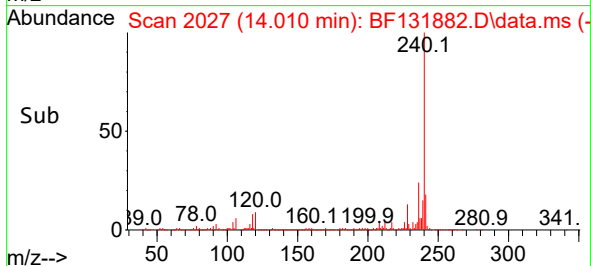
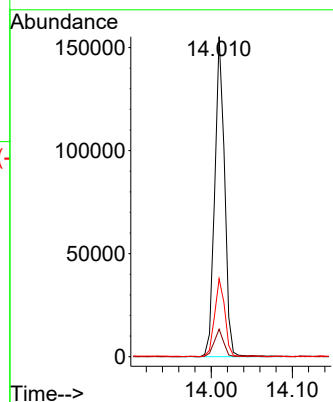
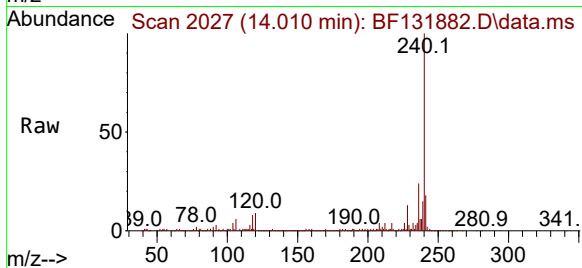
Tgt Ion:240 Resp: 130086

Ion Ratio Lower Upper

240 100

120 8.6 6.7 10.1

236 24.3 20.6 31.0



#77

Benzidine

Concen: 3.321 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.241 min

Lab File: BF131882.D

Acq: 29 Dec 2022 17:20

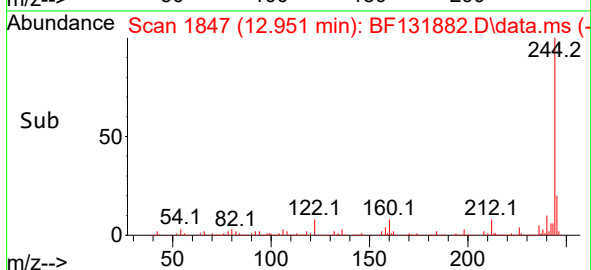
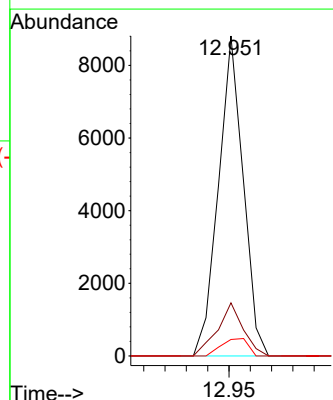
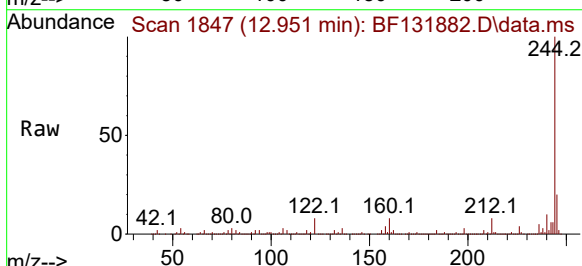
Tgt Ion:184 Resp: 7099

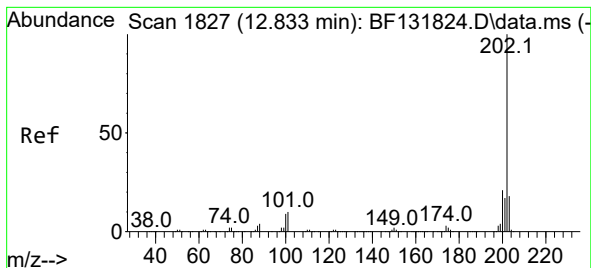
Ion Ratio Lower Upper

184 100

185 16.6 11.6 17.4

183 5.1 9.0 13.4#





#78

Pyrene

Concen: 11.143 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF131882.D

Acq: 29 Dec 2022 17:20

Instrument :

BNA_F

ClientSampleId :

TP-1

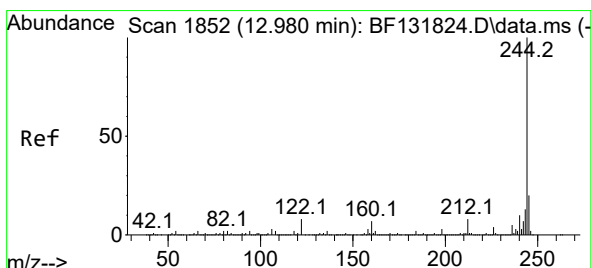
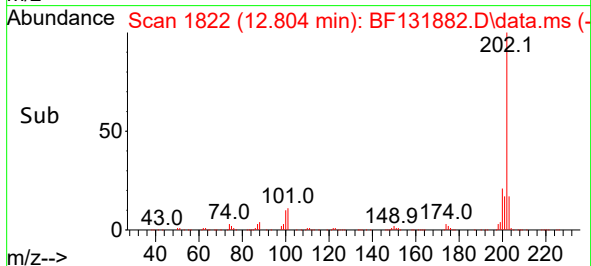
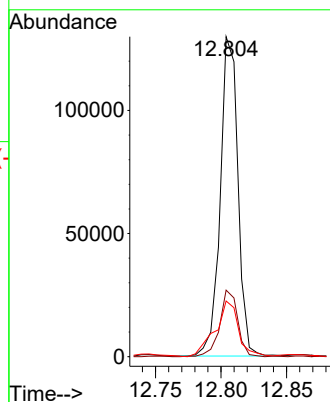
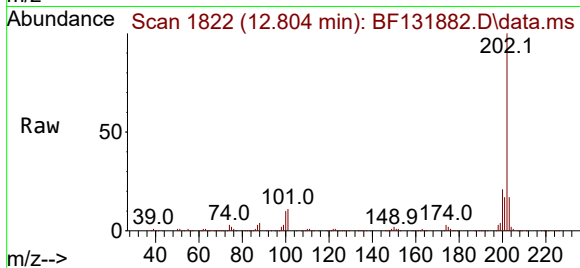
Tgt Ion:202 Resp: 121495

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.4 14.4 21.6



#79

Terphenyl-d14

Concen: 57.577 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF131882.D

Acq: 29 Dec 2022 17:20

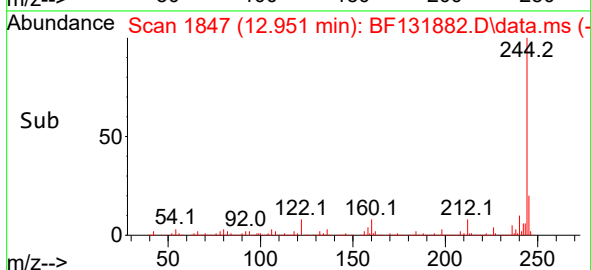
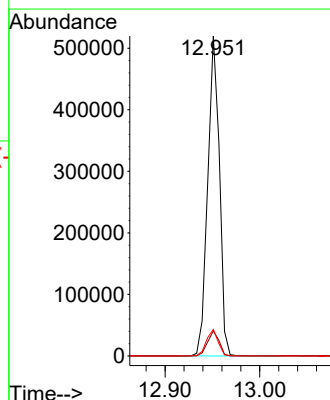
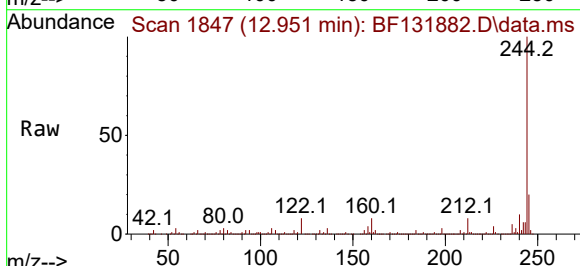
Tgt Ion:244 Resp: 442795

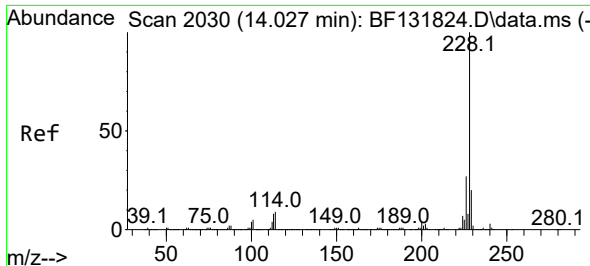
Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

122 8.3 6.4 9.6

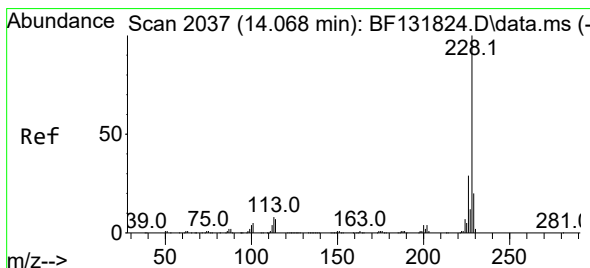
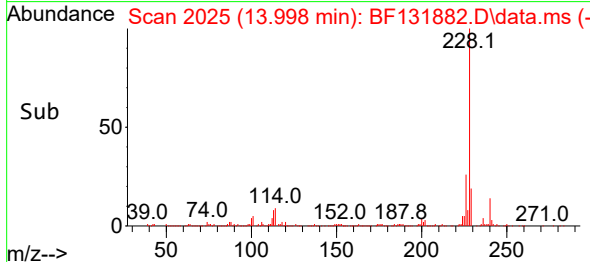
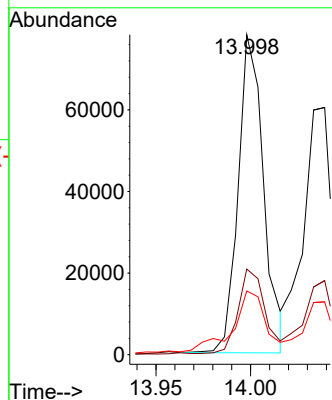
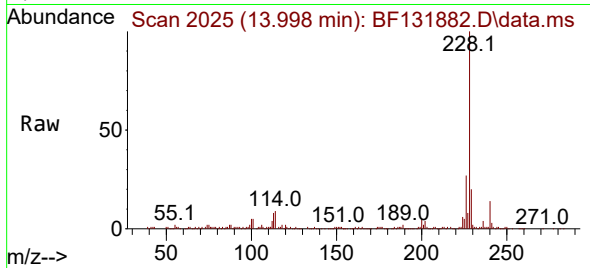




#81
Benzo(a)anthracene
Concen: 7.726 ng
RT: 13.998 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

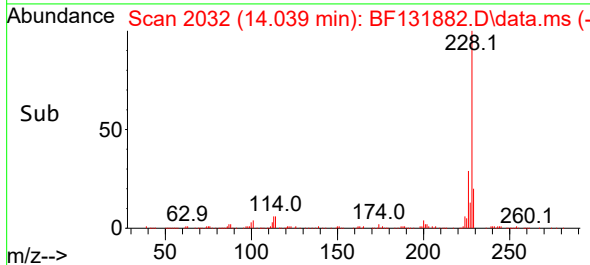
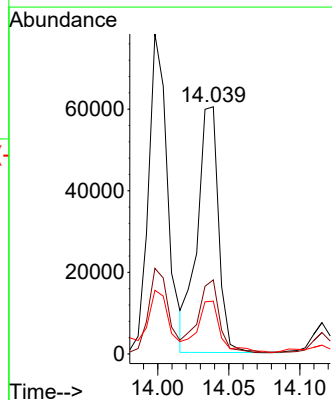
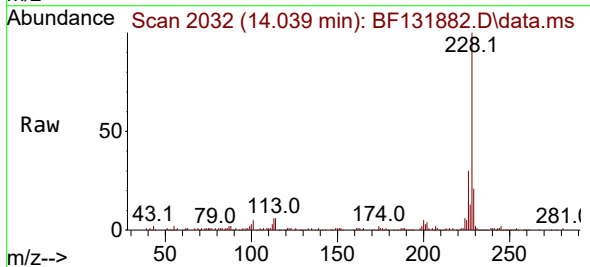
Instrument :
BNA_F
ClientSampleId :
TP-1

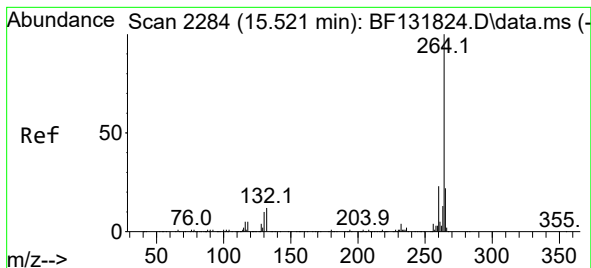
Tgt Ion:228 Resp: 72768
Ion Ratio Lower Upper
228 100
226 26.7 22.0 33.0
229 19.9 16.0 24.0



#83
Chrysene
Concen: 7.157 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Tgt Ion:228 Resp: 63343
Ion Ratio Lower Upper
228 100
226 30.0 23.5 35.3
229 21.4 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131882.D

Acq: 29 Dec 2022 17:20

Instrument :

BNA_F

ClientSampleId :

TP-1

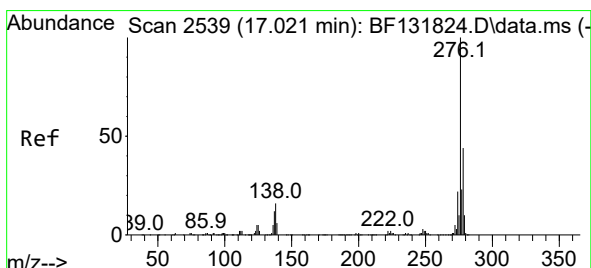
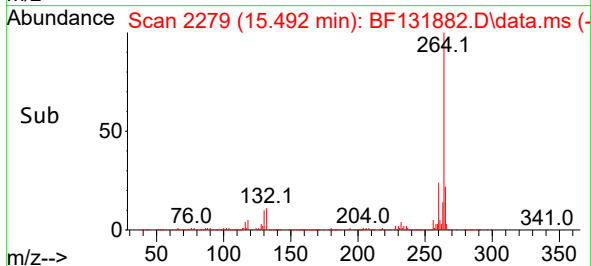
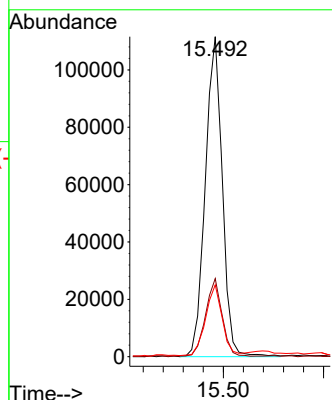
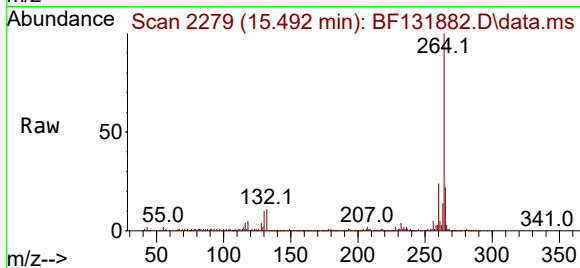
Tgt Ion:264 Resp: 132139

Ion Ratio Lower Upper

264 100

260 24.4 18.6 28.0

265 22.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.012 ng

RT: 16.968 min Scan# 2530

Delta R.T. -0.012 min

Lab File: BF131882.D

Acq: 29 Dec 2022 17:20

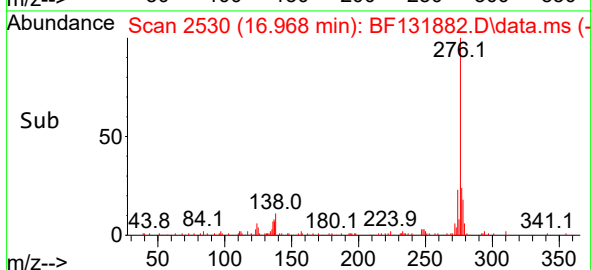
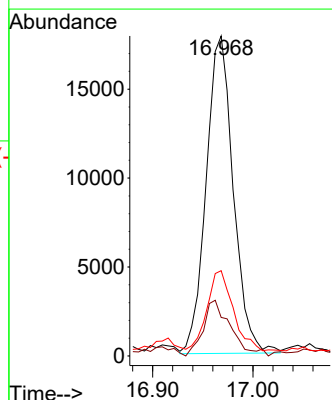
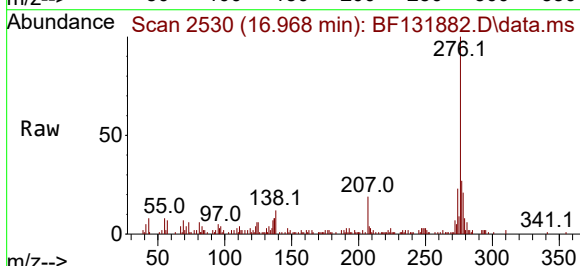
Tgt Ion:276 Resp: 33680

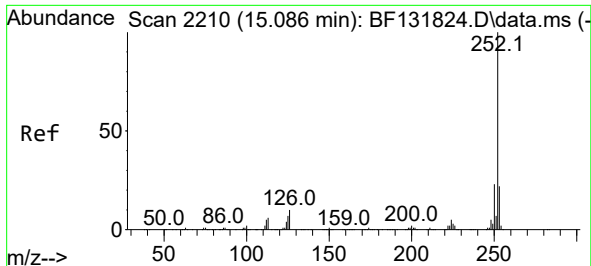
Ion Ratio Lower Upper

276 100

138 17.6 14.5 21.7

277 24.2 19.7 29.5

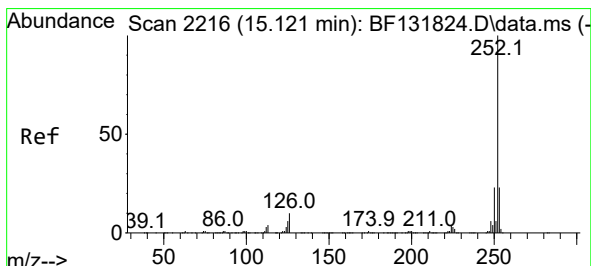
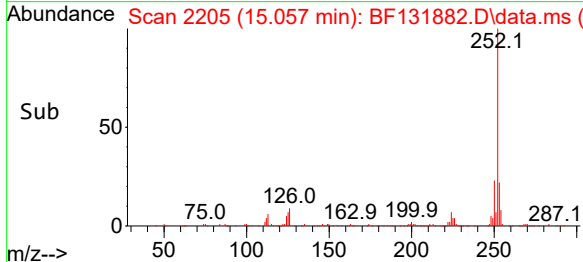
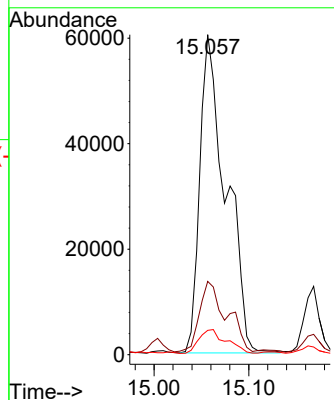
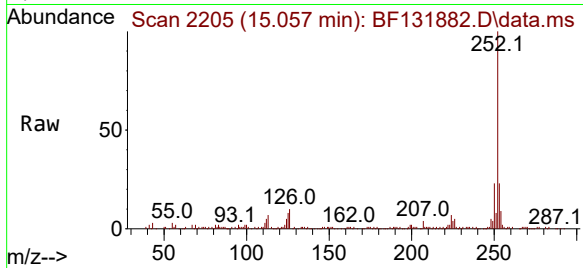




#88
Benzo(b)fluoranthene
Concen: 11.965 ng
RT: 15.057 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

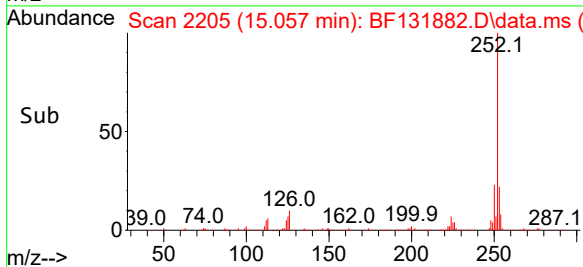
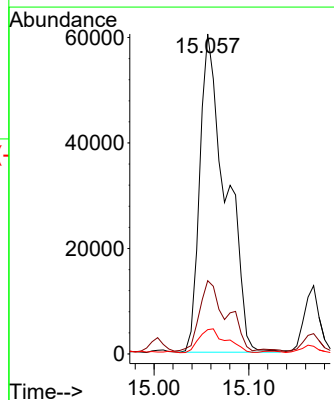
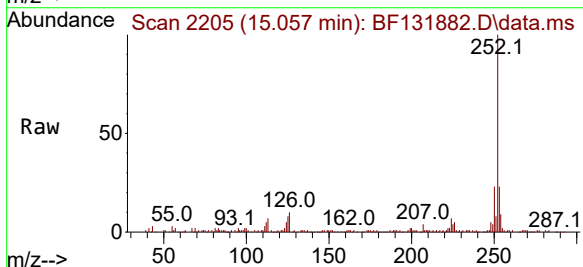
Instrument :
BNA_F
ClientSampleId :
TP-1

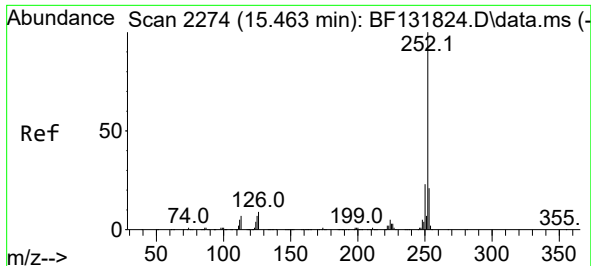
Tgt Ion:252 Resp: 115932
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 7.6 5.8 8.8



#89
Benzo(k)fluoranthene
Concen: 12.384 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.035 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Tgt Ion:252 Resp: 115932
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 7.6 5.4 8.0

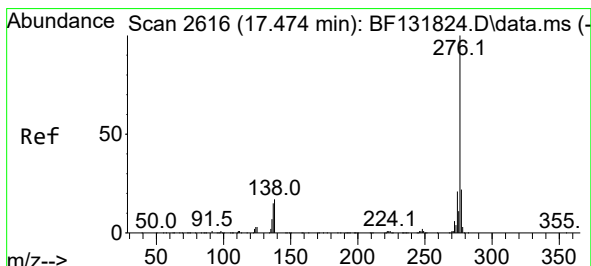
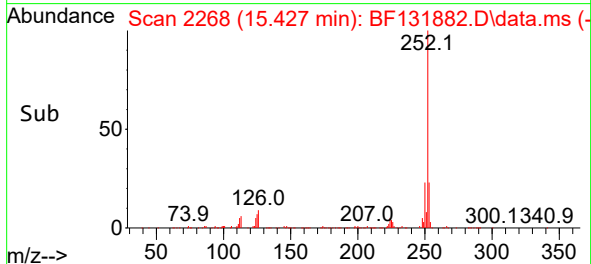
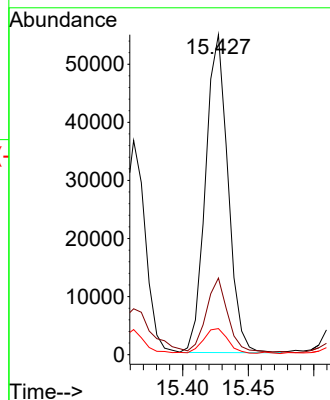
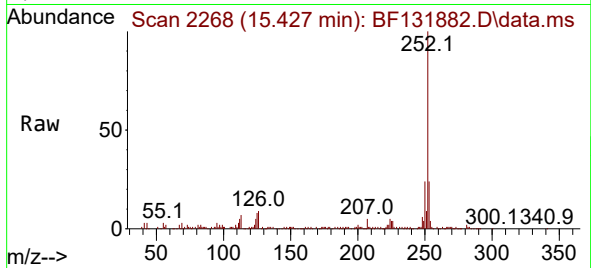




#90
Benzo(a)pyrene
Concen: 8.684 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:252 Resp: 65139
Ion Ratio Lower Upper
252 100
253 24.0 16.6 24.8
125 8.1 5.8 8.8



#92
Benzo(g,h,i)perylene
Concen: 8.633 ng
RT: 17.415 min Scan# 2606
Delta R.T. -0.012 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Tgt Ion:276 Resp: 30913
Ion Ratio Lower Upper
276 100
277 24.1 17.9 26.9
138 19.1 13.7 20.5

