

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121622\
 Data File : BF131669.D
 Acq On : 16 Dec 2022 16:32
 Operator : CG\JU
 Sample : N6038-25
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-41-(3-5)

Quant Time: Dec 16 16:59:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 01:44:46 2022
 Response via : Initial Calibration

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

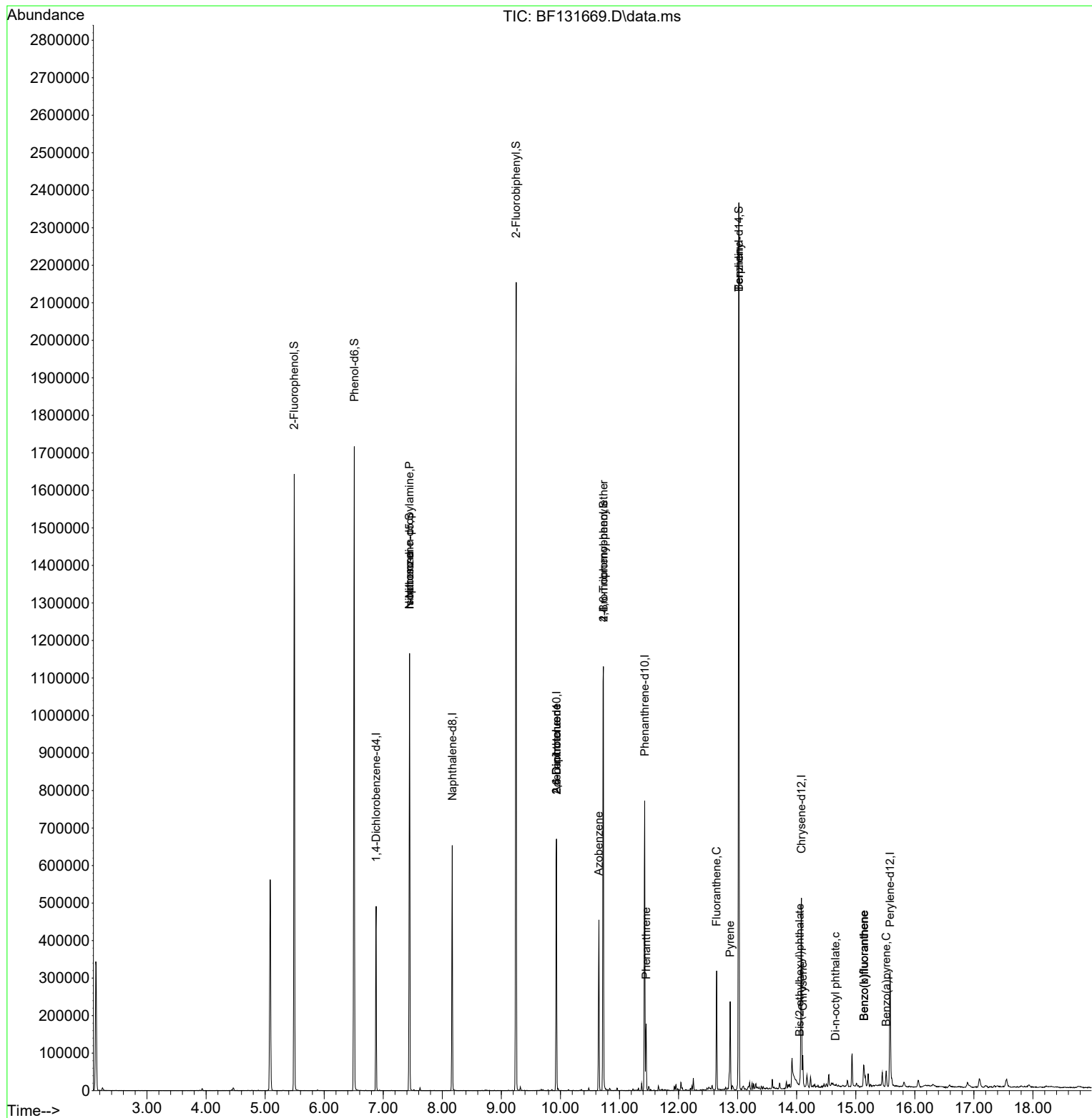
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	66619	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	237689	20.000	ng	# 0.00
39) Acenaphthene-d10	9.933	164	134217	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	267919	20.000	ng	0.00
76) Chrysene-d12	14.080	240	160037	20.000	ng	0.00
86) Perylene-d12	15.580	264	140031	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	401964	100.661	ng	0.00
7) Phenol-d6	6.510	99	532859	101.829	ng	0.00
23) Nitrobenzene-d5	7.445	82	374342	59.543	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	129626	86.928	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	639956	60.119	ng	0.00
79) Terphenyl-d14	13.022	244	747469	64.053	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	50623	12.901	ng	# 74
25) Isophorone	7.445	82	374408	36.972	ng	# 69
51) 2,6-Dinitrotoluene	9.933	165	17865	8.458	ng	# 10
57) 2,4-Dinitrotoluene	9.933	165	17865	6.376	ng	# 16
63) Azobenzene	10.651	77	78159	6.979	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	8649	2.509	ng	# 1
71) Phenanthrene	11.451	178	59207	3.965	ng	99
75) Fluoranthene	12.645	202	117610	7.648	ng	96
77) Benzidine	13.022	184	11749	2.740	ng	# 93
78) Pyrene	12.874	202	91060	5.770	ng	99
83) Chrysene	14.104	228	32046	2.917	ng	98
84) Bis(2-ethylhexyl)phtha...	14.051	149	2436	3.399	ng	# 84
85) Di-n-octyl phthalate	14.657	149	397	5.254	ng	# 1
88) Benzo(b)fluoranthene	15.139	252	44759	4.850	ng	98
89) Benzo(k)fluoranthene	15.139	252	44759	4.646	ng	97
90) Benzo(a)pyrene	15.515	252	20354	2.584	ng	# 94

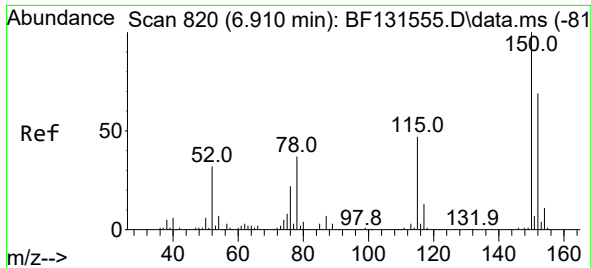
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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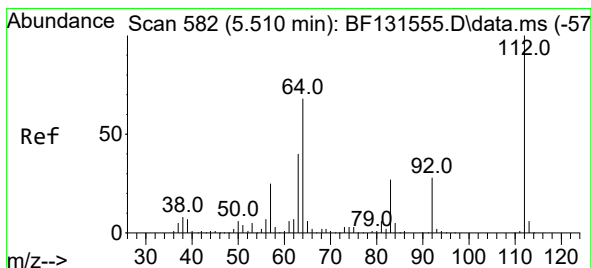
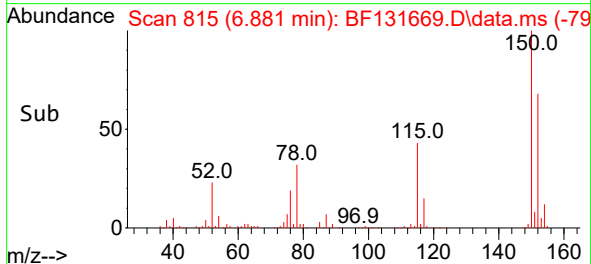
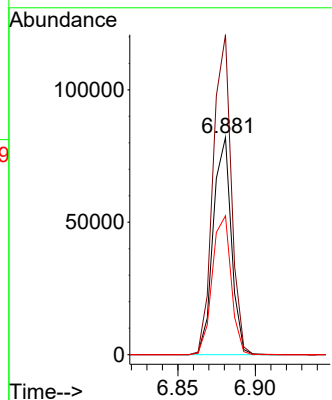
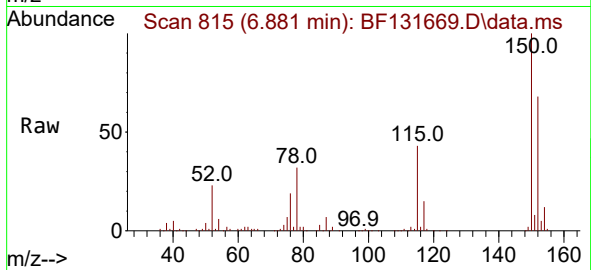




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

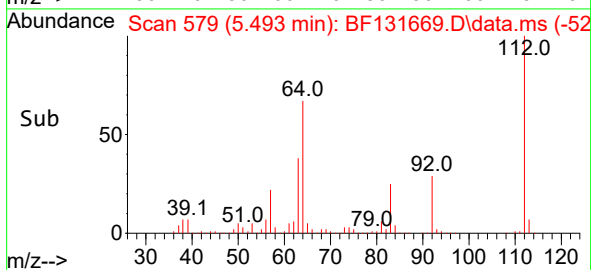
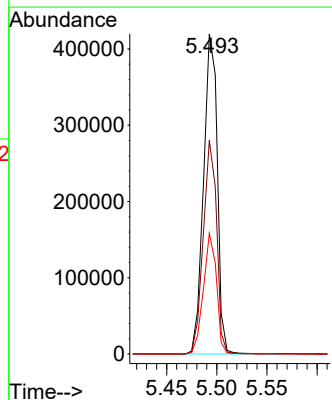
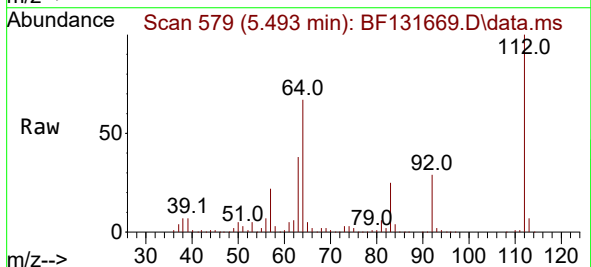
Instrument :
BNA_F
ClientSampleId :
RB-41-(3-5)

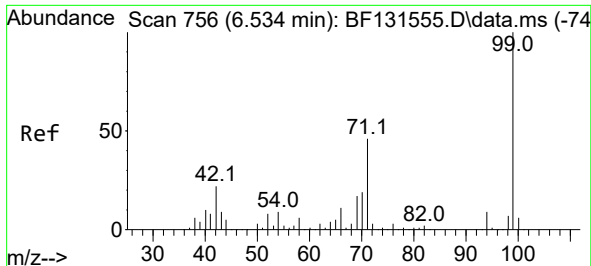
Tgt Ion:152 Resp: 66619
Ion Ratio Lower Upper
152 100
150 147.3 116.7 175.1
115 63.9 54.6 82.0



#5
2-Fluorophenol
Concen: 100.661 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

Tgt Ion:112 Resp: 401964
Ion Ratio Lower Upper
112 100
64 66.8 54.5 81.7
63 37.7 31.9 47.9

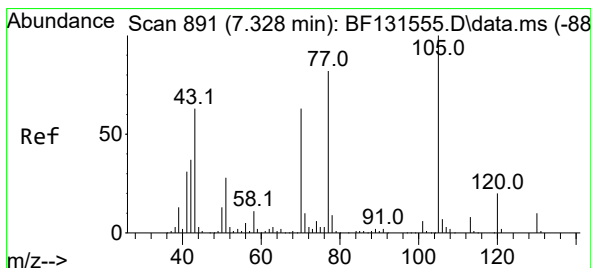
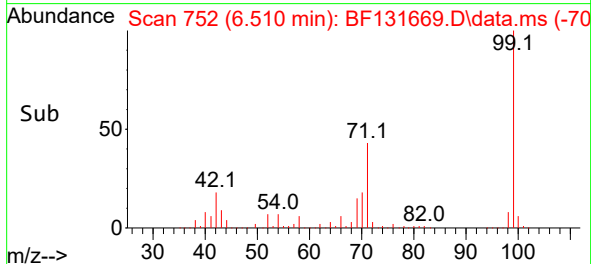
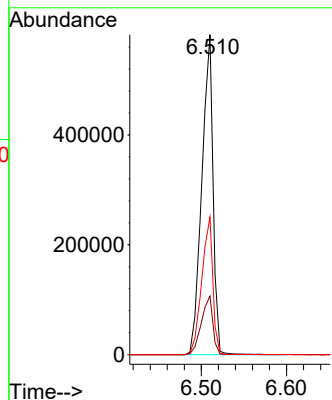
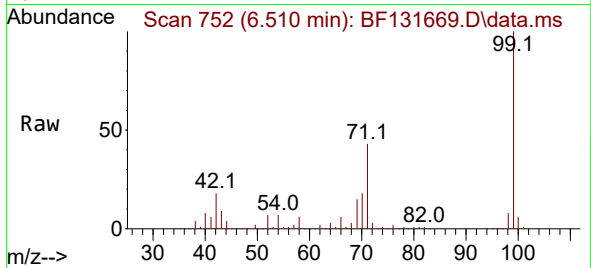




#7
Phenol-d6
Concen: 101.829 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

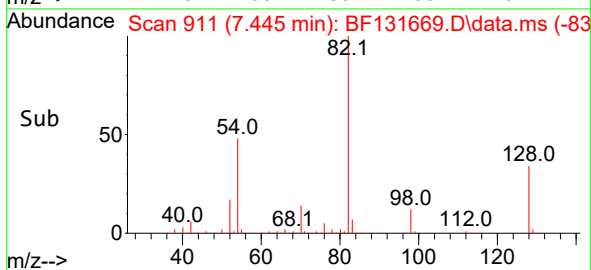
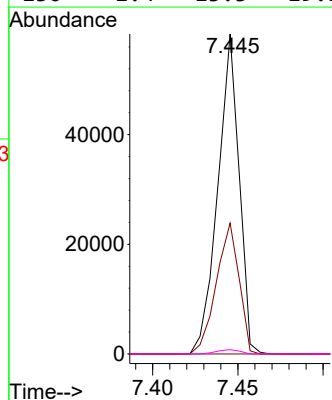
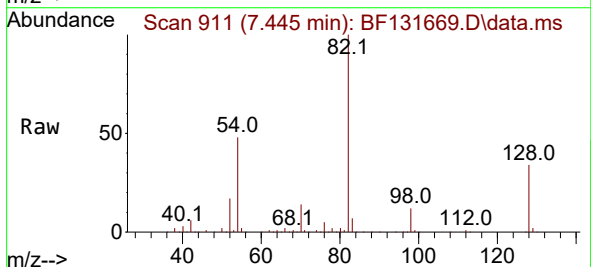
Instrument :
BNA_F
ClientSampleId :
RB-41-(3-5)

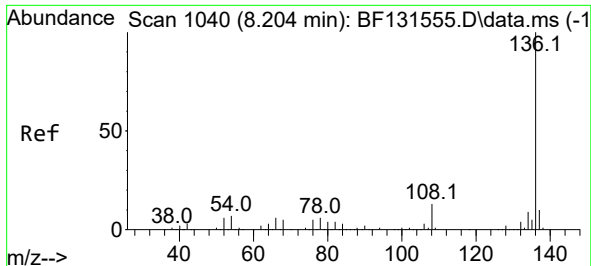
Tgt Ion: 99 Resp: 532859
Ion Ratio Lower Upper
99 100
42 18.3 17.9 26.9
71 42.9 37.2 55.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.901 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.147 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

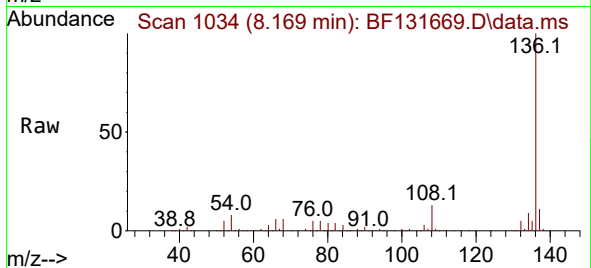
Tgt Ion: 70 Resp: 50623
Ion Ratio Lower Upper
70 100
42 40.9 46.4 69.6#
101 0.0 7.2 10.8#
130 1.4 13.3 19.9#



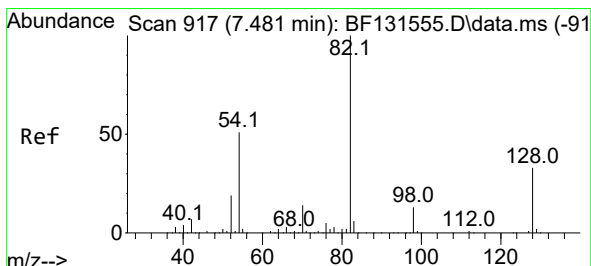
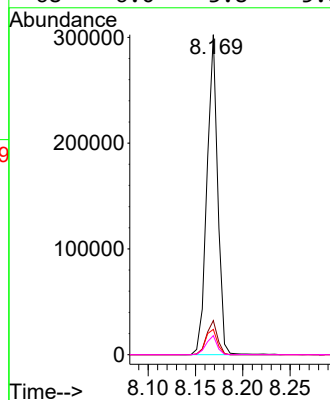
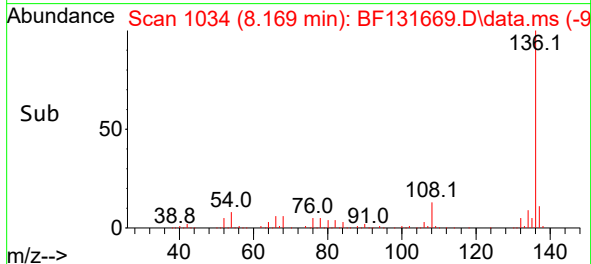


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

Instrument :
BNA_F
ClientSampleId :
RB-41-(3-5)

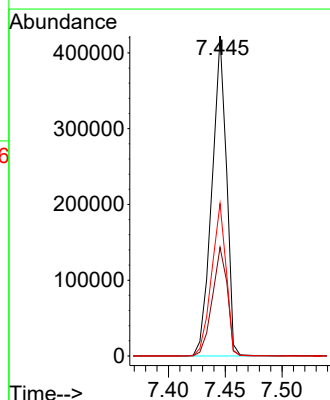
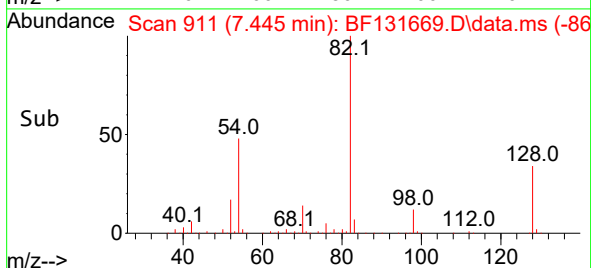
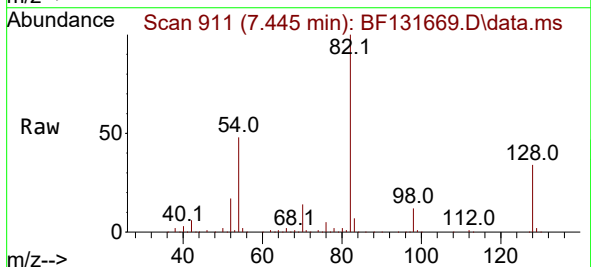


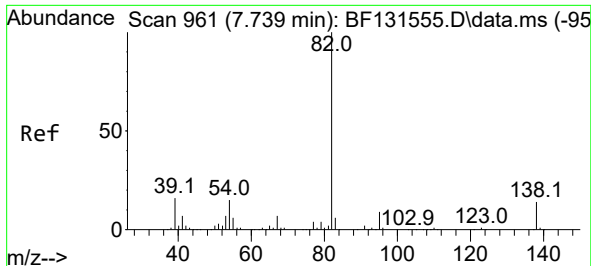
Tgt Ion:136 Resp: 237689
Ion Ratio Lower Upper
136 100
137 10.6 8.1 12.1
54 7.9 6.0 9.0
68 6.0 3.8 5.8#



#23
Nitrobenzene-d5
Concen: 59.543 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

Tgt Ion: 82 Resp: 374342
Ion Ratio Lower Upper
82 100
128 34.0 26.1 39.1
54 47.7 40.6 60.8

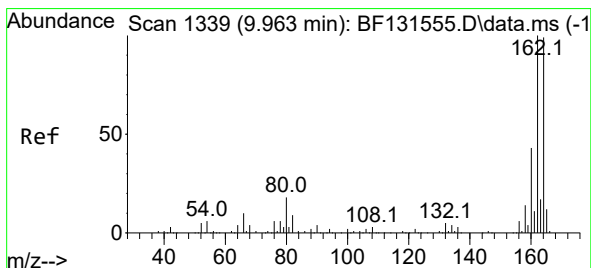
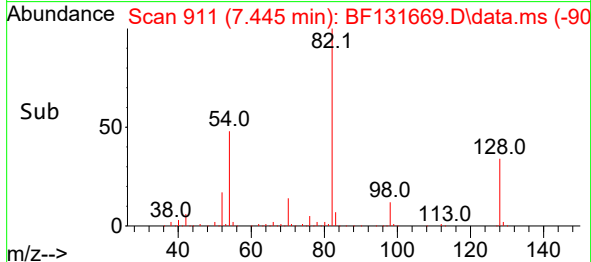
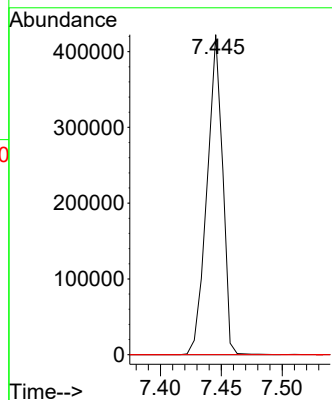
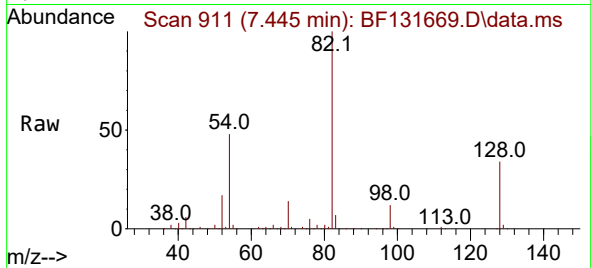




#25
Isophorone
Concen: 36.972 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.265 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

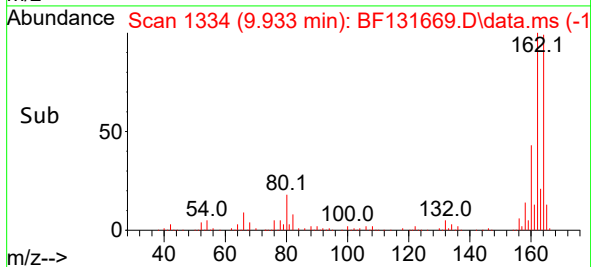
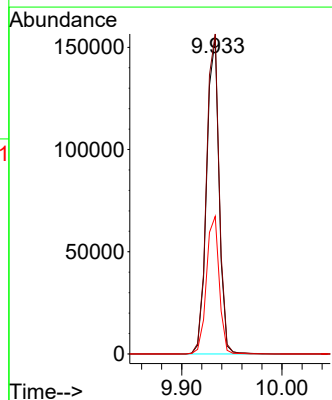
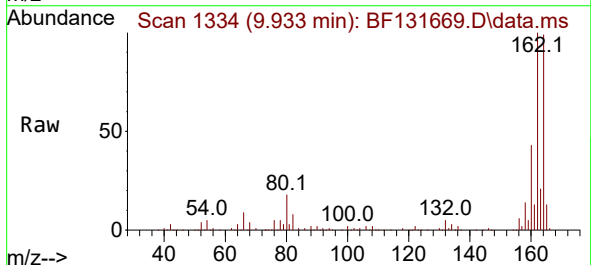
Instrument :
BNA_F
ClientSampleId :
RB-41-(3-5)

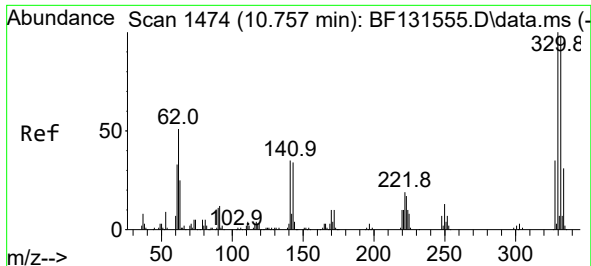
Tgt Ion: 82 Resp: 374408
Ion Ratio Lower Upper
82 100
95 0.0 6.9 10.3#
138 0.0 11.4 17.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

Tgt Ion:164 Resp: 134217
Ion Ratio Lower Upper
164 100
162 101.2 81.0 121.6
160 43.5 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 86.928 ng

RT: 10.728 min Scan# 1469

Delta R.T. -0.006 min

Lab File: BF131669.D

Acq: 16 Dec 2022 16:32

Instrument :

BNA_F

ClientSampleId :

RB-41-(3-5)

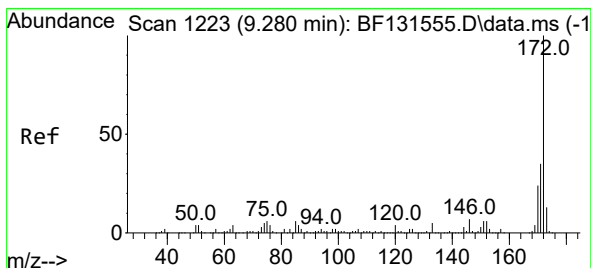
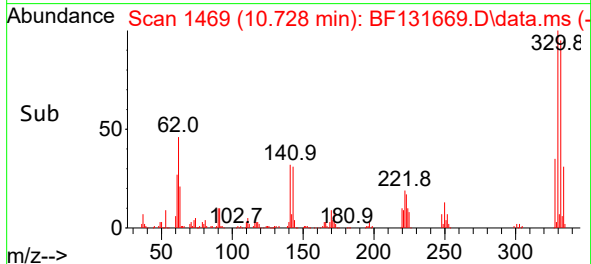
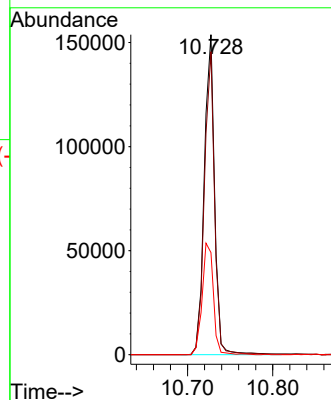
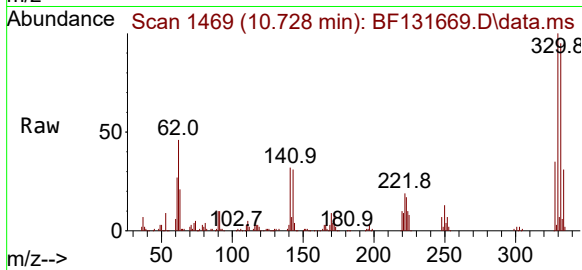
Tgt Ion:330 Resp: 129626

Ion Ratio Lower Upper

330 100

332 93.5 78.3 117.5

141 37.9 32.6 49.0



#45

2-Fluorobiphenyl

Concen: 60.119 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF131669.D

Acq: 16 Dec 2022 16:32

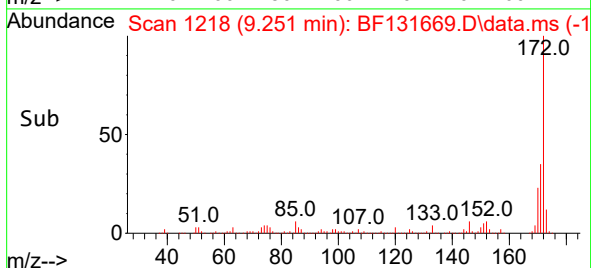
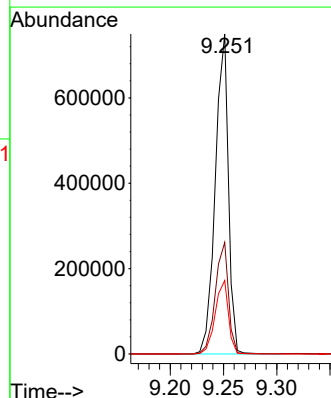
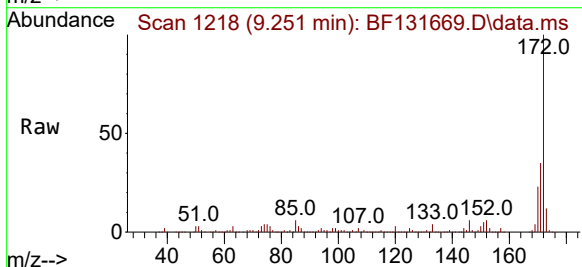
Tgt Ion:172 Resp: 639956

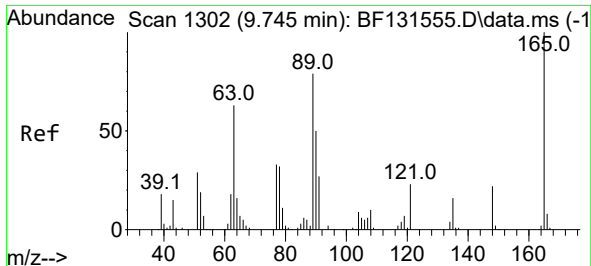
Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 22.9 19.3 28.9

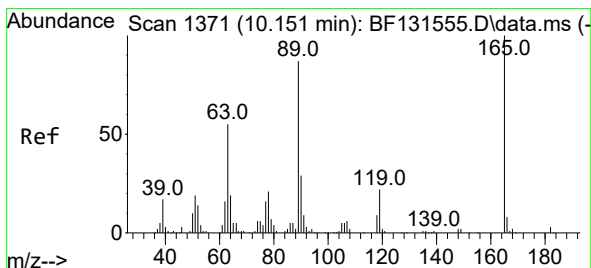
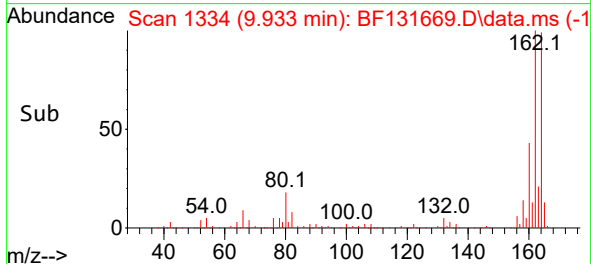
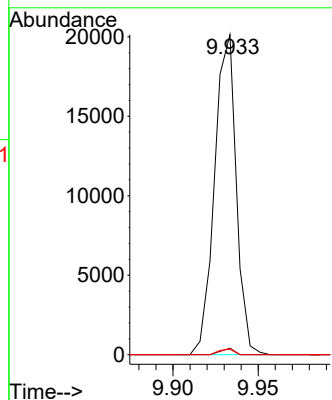
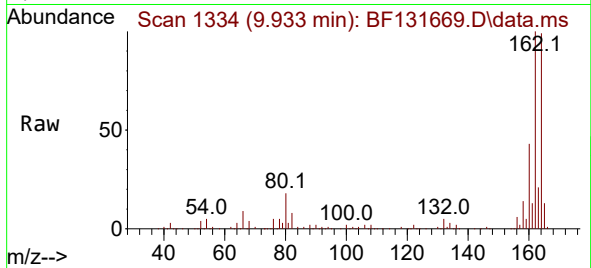




#51
2,6-Dinitrotoluene
Concen: 8.458 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

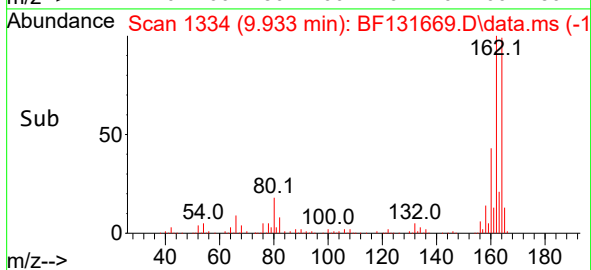
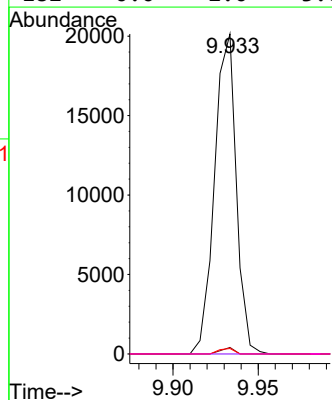
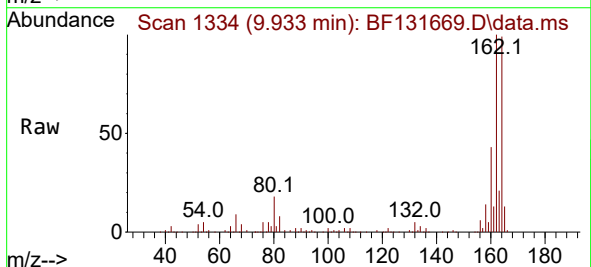
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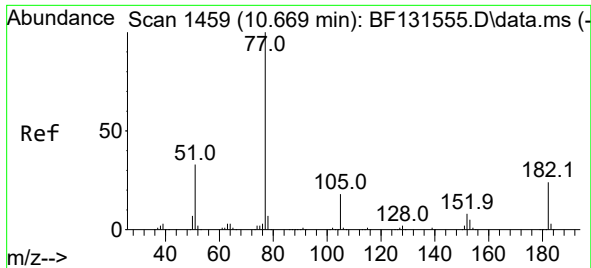
Tgt Ion:165 Resp: 17865
Ion Ratio Lower Upper
165 100
63 2.1 67.9 101.9#
89 1.7 63.2 94.8#



#57
2,4-Dinitrotoluene
Concen: 6.376 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.194 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

Tgt Ion:165 Resp: 17865
Ion Ratio Lower Upper
165 100
63 2.1 44.4 66.6#
89 1.7 69.6 104.4#
182 0.0 2.0 3.0#

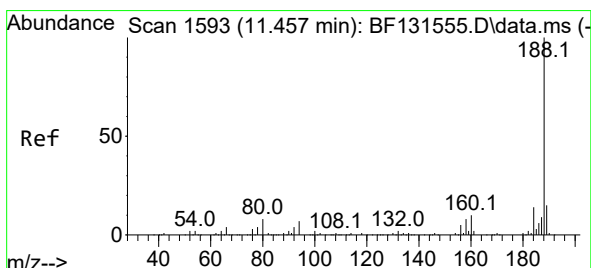
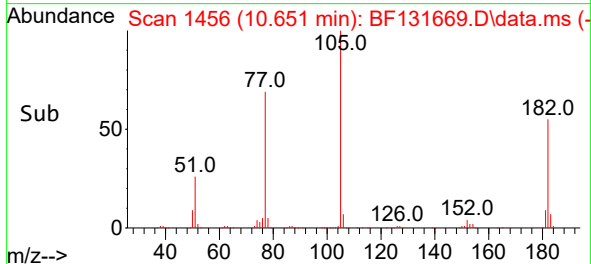
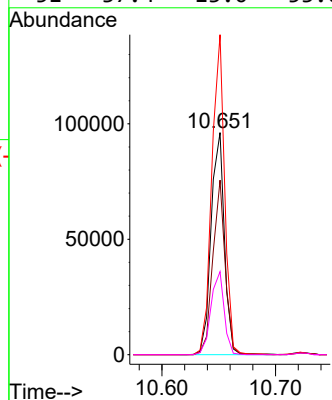
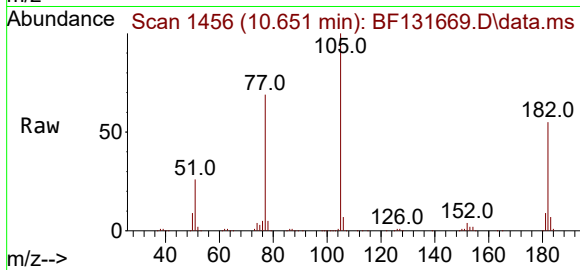




#63
 Azobenzene
 Concen: 6.979 ng
 RT: 10.651 min Scan# 14
 Delta R.T. 0.012 min
 Lab File: BF131669.D
 Acq: 16 Dec 2022 16:32

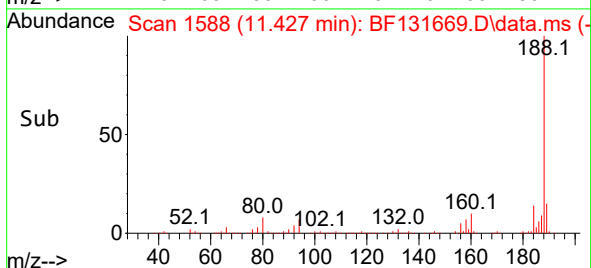
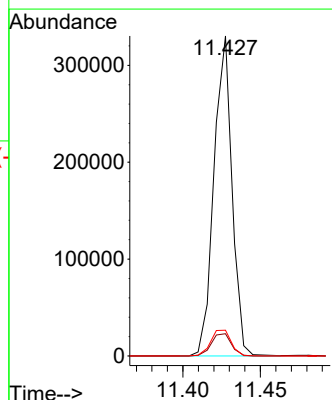
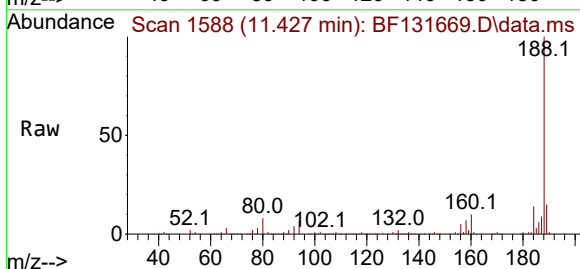
Instrument :
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 RB-41-(3-5)

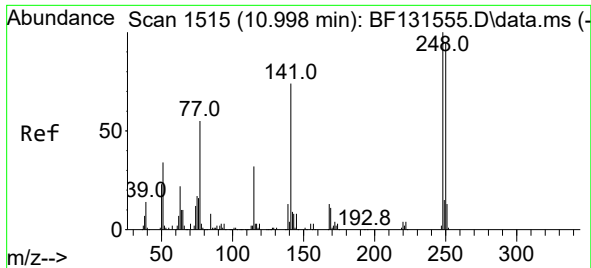
Tgt Ion: 77 Resp: 78159
 Ion Ratio Lower Upper
 77 100
 182 78.6 3.9 43.9#
 105 144.1 0.0 38.3#
 51 37.4 13.0 53.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.427 min Scan# 1588
 Delta R.T. 0.000 min
 Lab File: BF131669.D
 Acq: 16 Dec 2022 16:32

Tgt Ion: 188 Resp: 267919
 Ion Ratio Lower Upper
 188 100
 94 6.9 5.5 8.3
 80 8.1 6.6 10.0

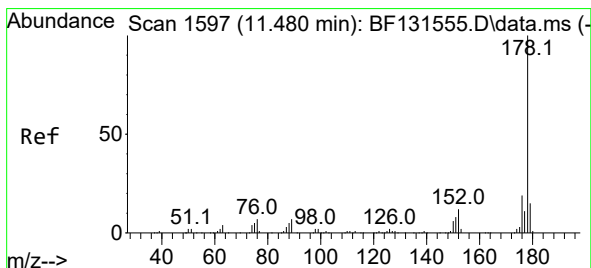
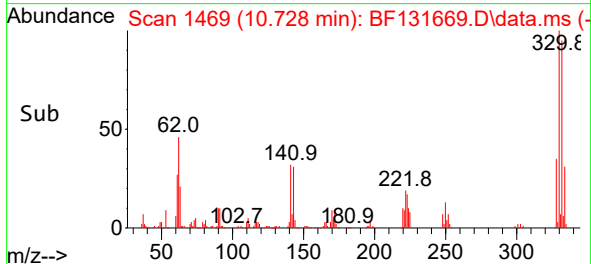
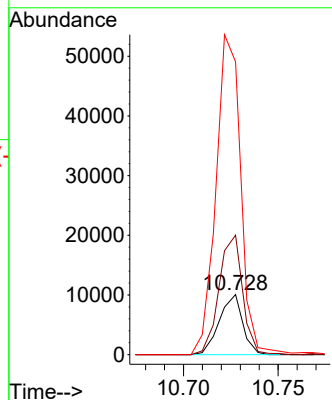
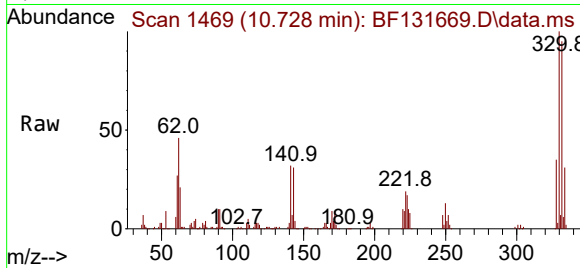




#67
4-Bromophenyl-phenylether
Concen: 2.509 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.241 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

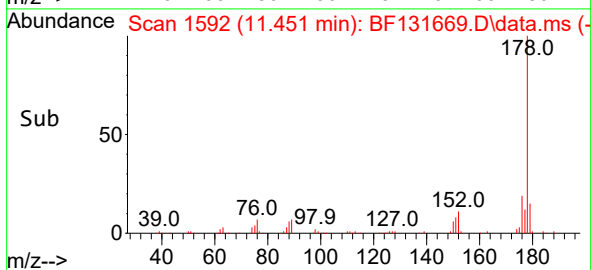
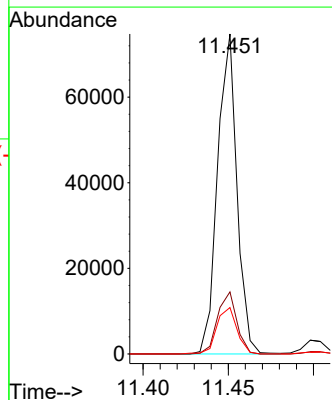
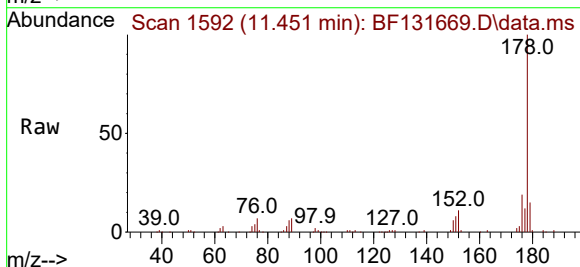
Instrument :
BNA_F
ClientSampleId :
RB-41-(3-5)

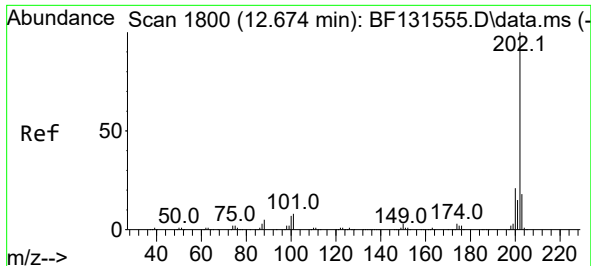
Tgt Ion:248 Resp: 8649
Ion Ratio Lower Upper
248 100
250 198.5 76.2 114.2#
141 486.6 59.5 89.3#



#71
Phenanthrene
Concen: 3.965 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

Tgt Ion:178 Resp: 59207
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 14.5 12.2 18.4

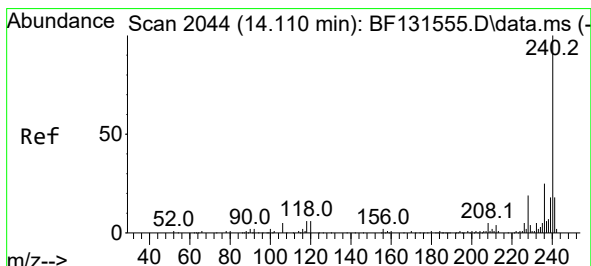
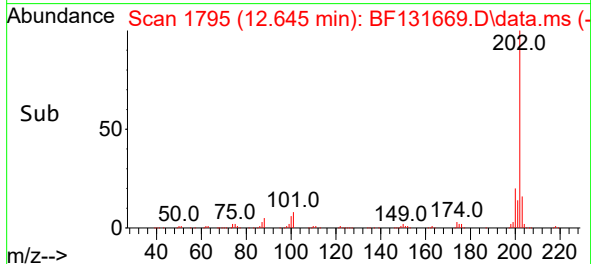
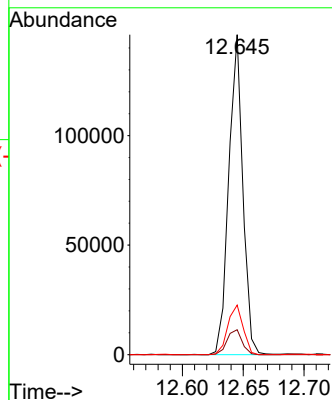
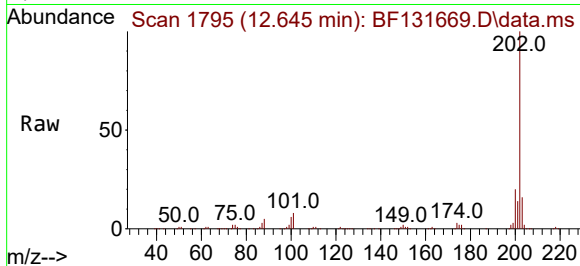




#75
Fluoranthene
Concen: 7.648 ng
RT: 12.645 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

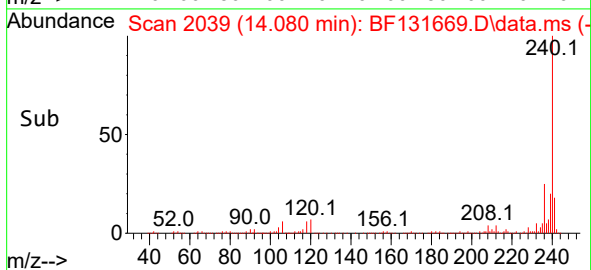
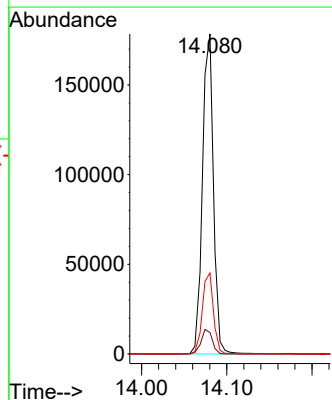
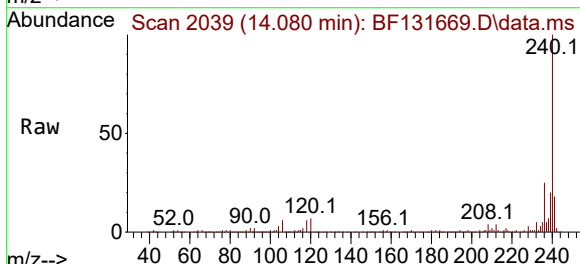
Instrument :
BNA_F
ClientSampleId :
RB-41-(3-5)

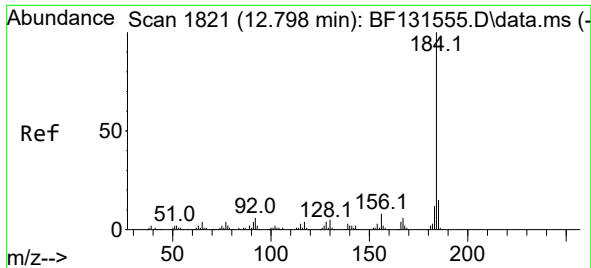
Tgt Ion:202 Resp: 117610
Ion Ratio Lower Upper
202 100
101 7.8 0.0 27.7
203 15.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

Tgt Ion:240 Resp: 160037
Ion Ratio Lower Upper
240 100
120 6.7 4.6 7.0
236 25.3 20.2 30.2

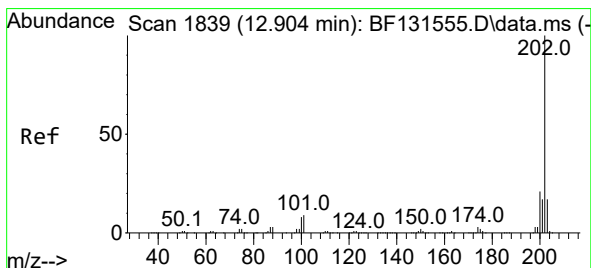
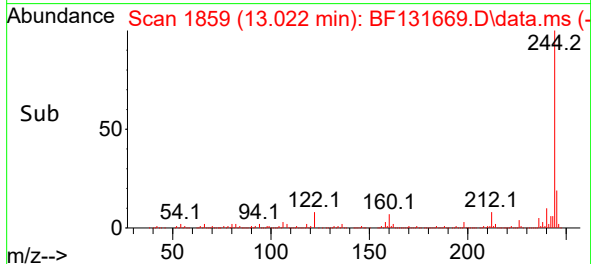
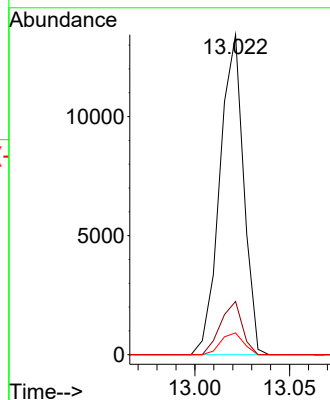
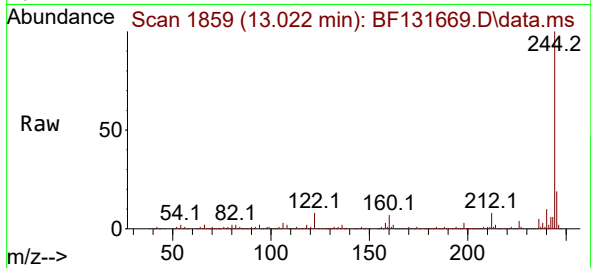




#77
Benzidine
Concen: 2.740 ng
RT: 13.022 min Scan# 1859
Delta R.T. 0.247 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

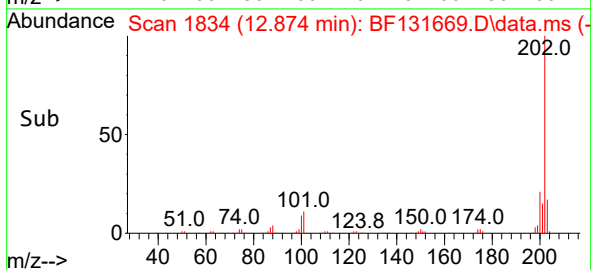
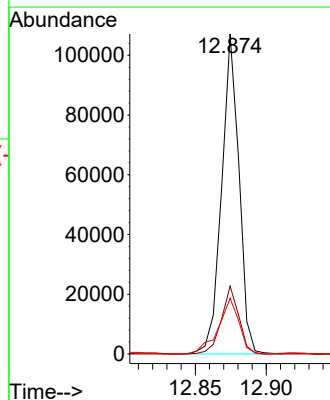
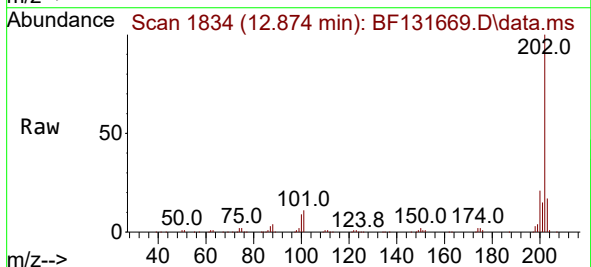
Instrument :
BNA_F
ClientSampleId :
RB-41-(3-5)

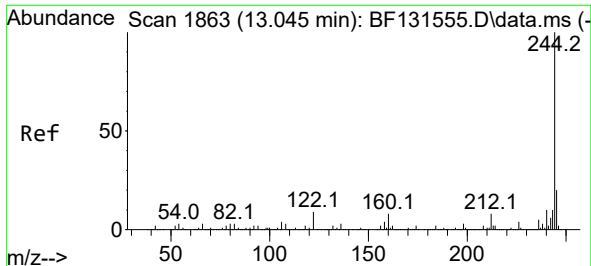
Tgt Ion:184 Resp: 11749
Ion Ratio Lower Upper
184 100
185 16.7 12.2 18.2
183 6.8 9.3 13.9#



#78
Pyrene
Concen: 5.770 ng
RT: 12.874 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

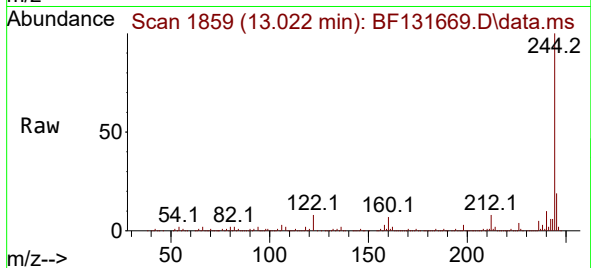
Tgt Ion:202 Resp: 91060
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.4 13.8 20.6



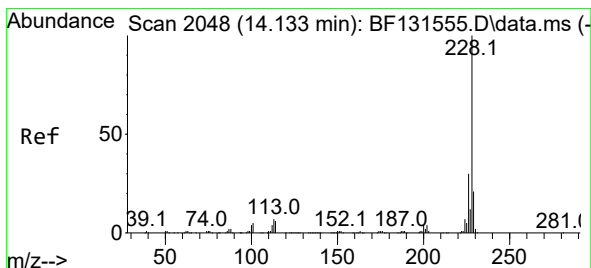
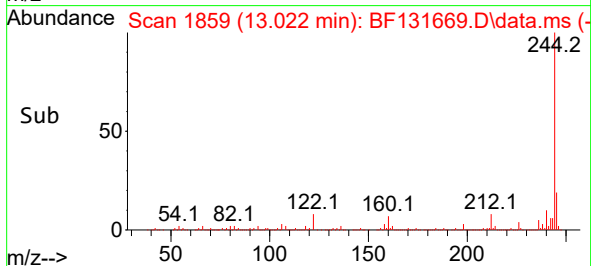
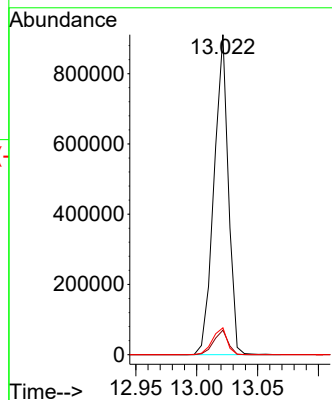


#79
 Terphenyl-d14
 Concen: 64.053 ng
 RT: 13.022 min Scan# 1859
 Delta R.T. 0.000 min
 Lab File: BF131669.D
 Acq: 16 Dec 2022 16:32

Instrument :
 BNA_F
 ClientSampleId :
 RB-41-(3-5)

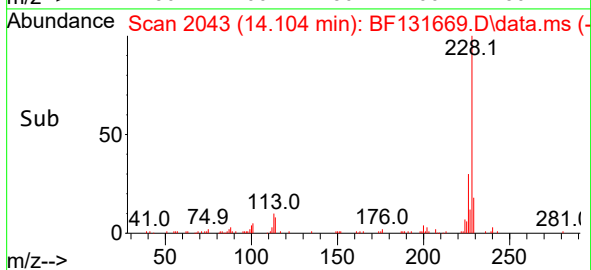
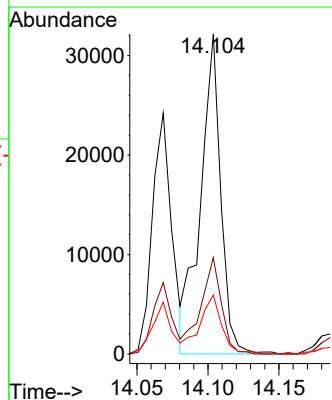
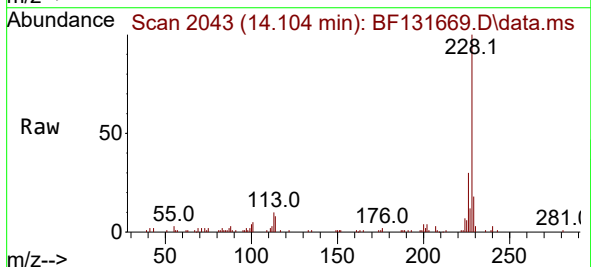


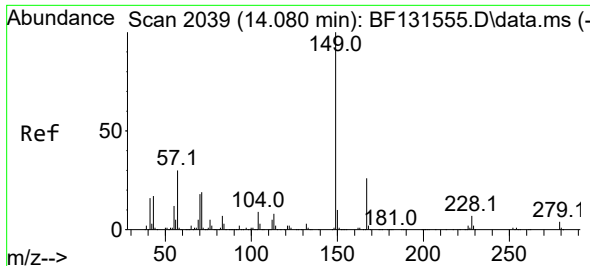
Tgt Ion:244 Resp: 747469
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.5 9.7
 122 8.4 7.1 10.7



#83
 Chrysene
 Concen: 2.917 ng
 RT: 14.104 min Scan# 2043
 Delta R.T. -0.006 min
 Lab File: BF131669.D
 Acq: 16 Dec 2022 16:32

Tgt Ion:228 Resp: 32046
 Ion Ratio Lower Upper
 228 100
 226 30.1 23.9 35.9
 229 18.4 16.7 25.1

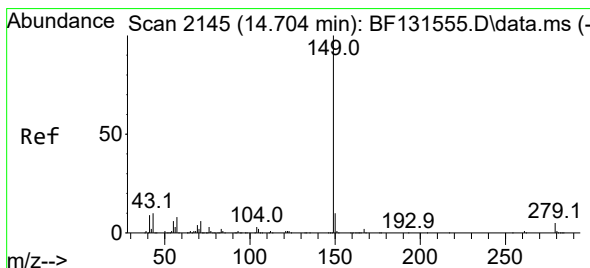
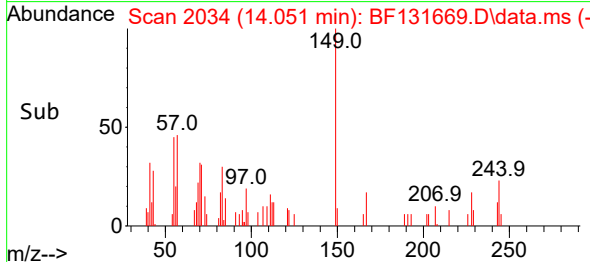
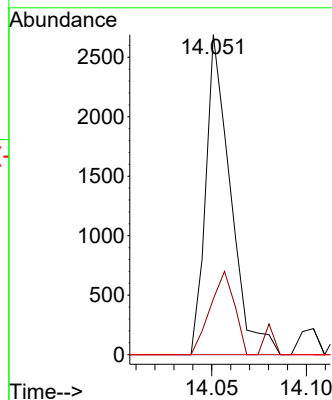
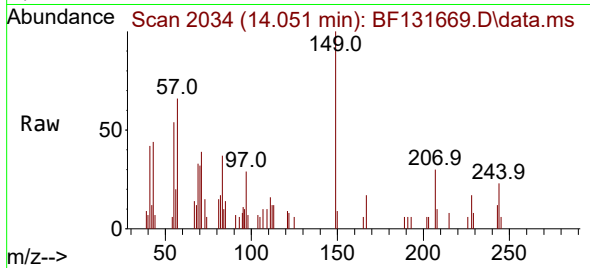




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.399 ng
RT: 14.051 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

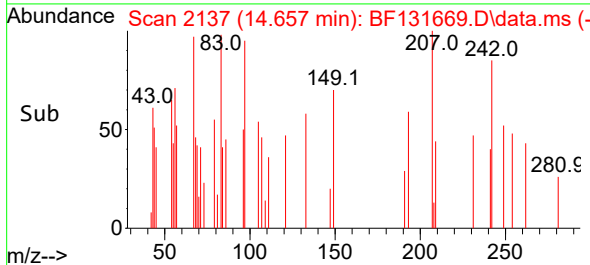
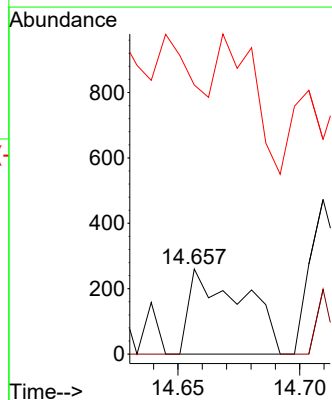
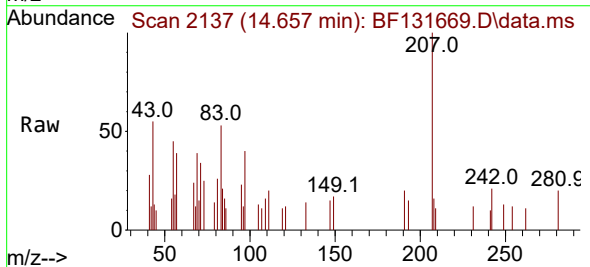
Instrument :
BNA_F
ClientSampleId :
RB-41-(3-5)

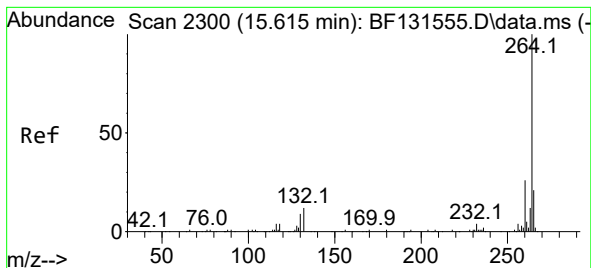
Tgt Ion:149 Resp: 2436
Ion Ratio Lower Upper
149 100
167 17.4 20.8 31.2#
279 0.0 3.3 4.9#



#85
Di-n-octyl phthalate
Concen: 5.254 ng
RT: 14.657 min Scan# 2137
Delta R.T. -0.018 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

Tgt Ion:149 Resp: 397
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 109.8 8.6 13.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF131669.D

Acq: 16 Dec 2022 16:32

Instrument :

BNA_F

ClientSampleId :

RB-41-(3-5)

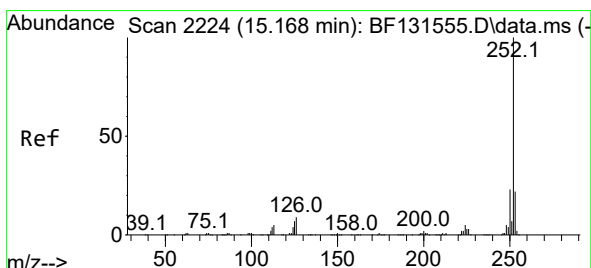
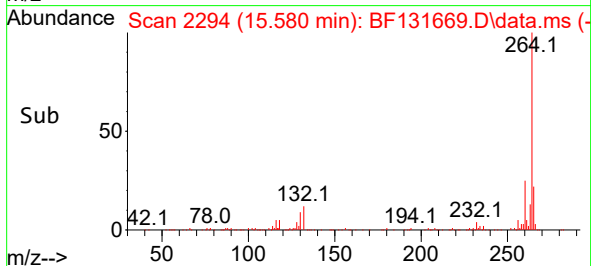
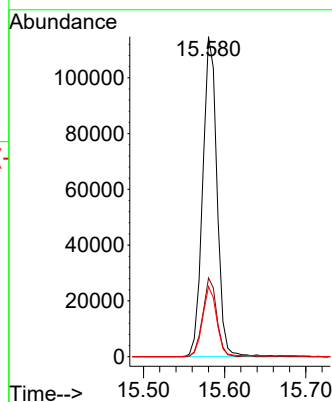
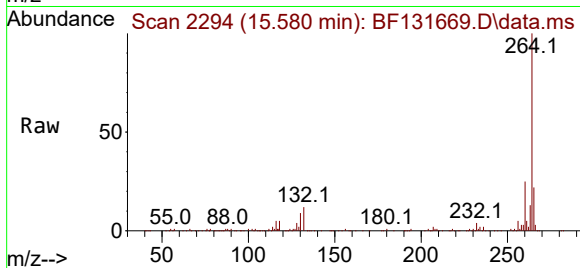
Tgt Ion:264 Resp: 140031

Ion Ratio Lower Upper

264 100

260 24.6 20.6 30.8

265 21.9 16.8 25.2



#88

Benzo(b)fluoranthene

Concen: 4.850 ng

RT: 15.139 min Scan# 2219

Delta R.T. 0.000 min

Lab File: BF131669.D

Acq: 16 Dec 2022 16:32

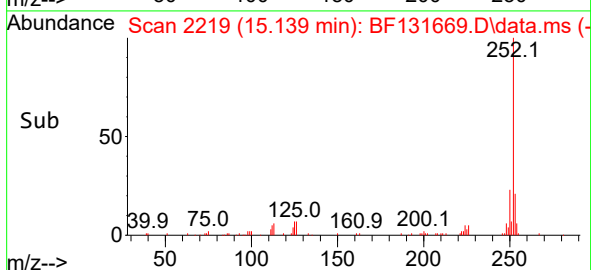
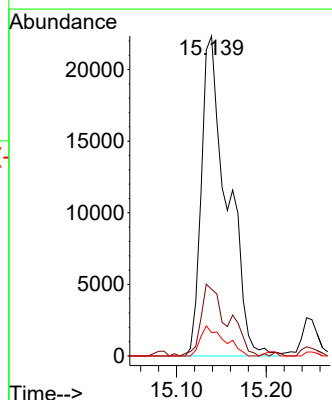
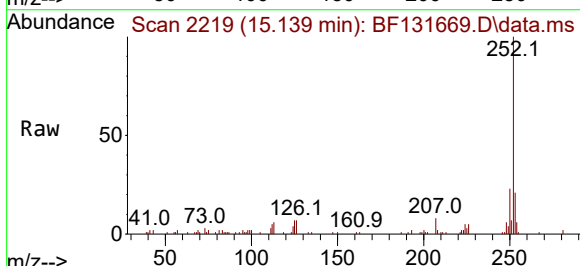
Tgt Ion:252 Resp: 44759

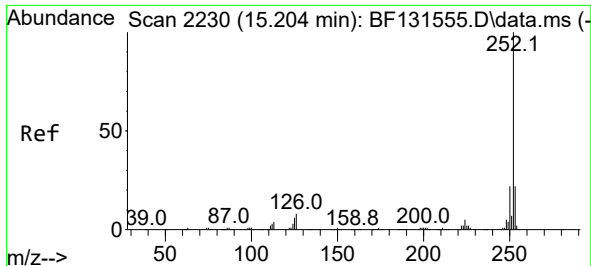
Ion Ratio Lower Upper

252 100

253 20.8 17.7 26.5

125 7.3 5.6 8.4

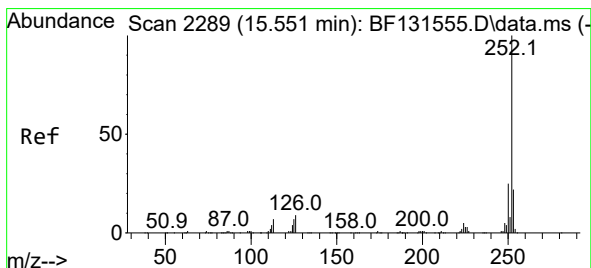
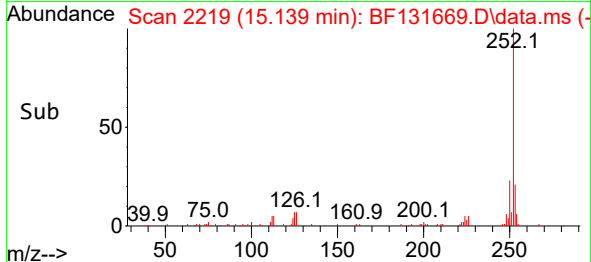
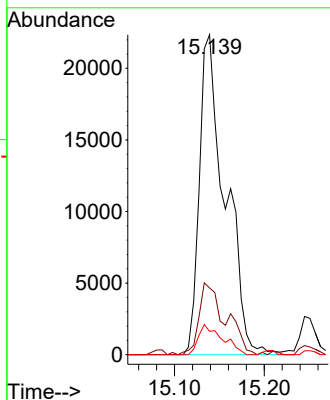
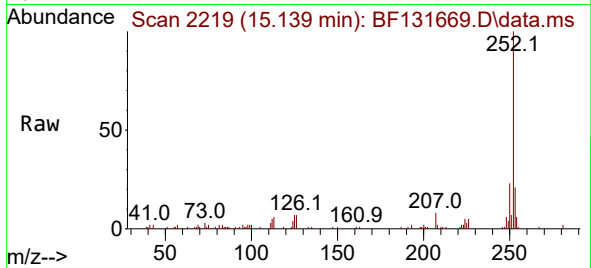




#89
Benzo(k)fluoranthene
Concen: 4.646 ng
RT: 15.139 min Scan# 2219
Delta R.T. -0.029 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

Instrument :
BNA_F
ClientSampleId :
RB-41-(3-5)

Tgt Ion:252 Resp: 44759
Ion Ratio Lower Upper
252 100
253 20.8 17.7 26.5
125 7.3 4.9 7.3



#90
Benzo(a)pyrene
Concen: 2.584 ng
RT: 15.515 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BF131669.D
Acq: 16 Dec 2022 16:32

Tgt Ion:252 Resp: 20354
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 9.3 5.6 8.4

