

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102023\
 Data File : BF135914.D
 Acq On : 20 Oct 2023 18:41
 Operator : CG\JU
 Sample : 04935-01 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-10172023

Quant Time: Oct 20 20:30:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

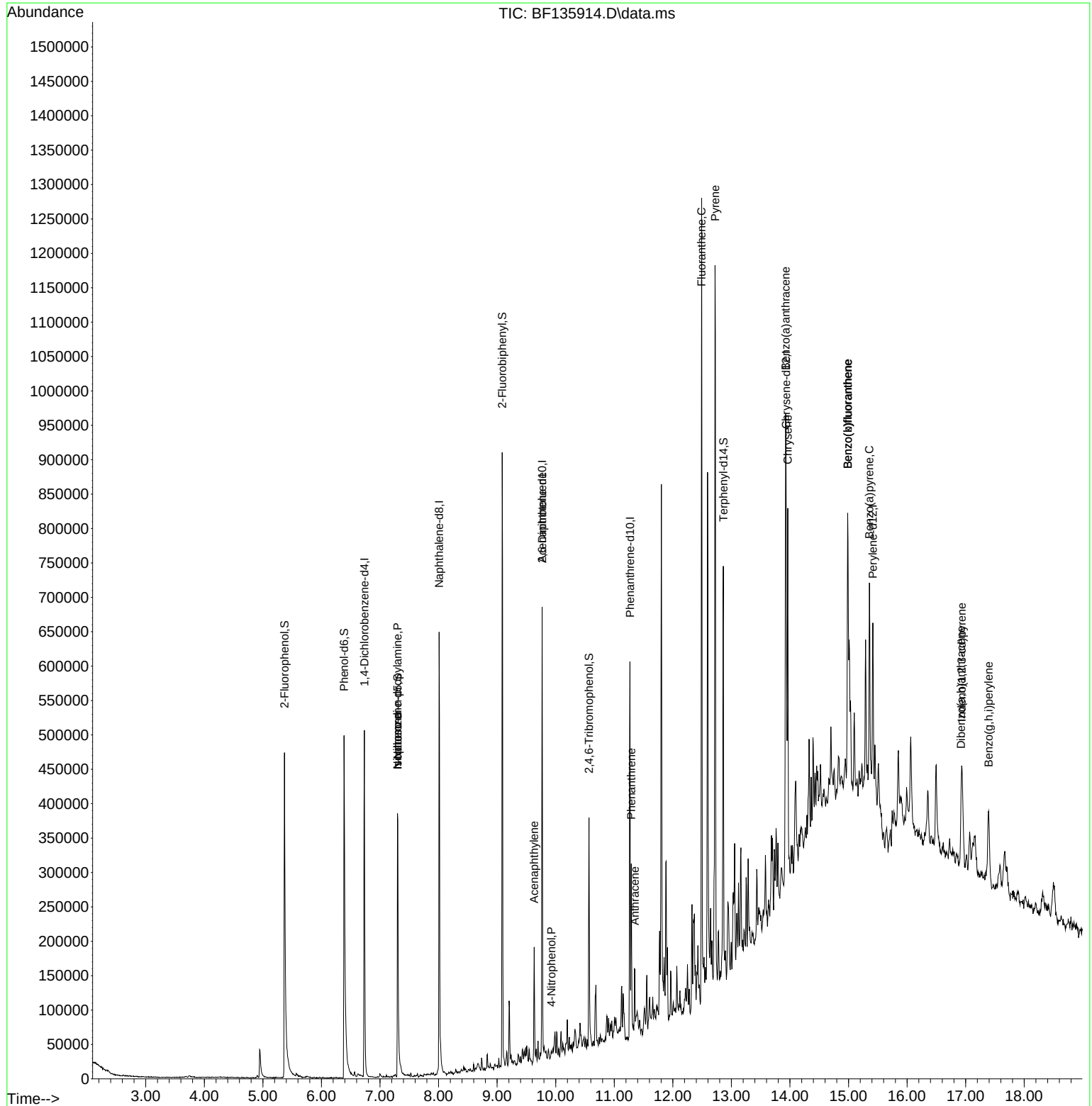
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	78547	20.000	ng	-0.01
21) Naphthalene-d8	8.010	136	280811	20.000	ng	-0.01
39) Acenaphthene-d10	9.769	164	118313	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	196700	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	115845	20.000	ng	-0.02
86) Perylene-d12	15.415	264	95890	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	196218	40.163	ng	0.00
7) Phenol-d6	6.386	99	224443	36.819	ng	-0.01
23) Nitrobenzene-d5	7.298	82	150413	29.460	ng	-0.02
42) 2,4,6-Tribromophenol	10.569	330	37553	33.077	ng	-0.02
45) 2-Fluorobiphenyl	9.086	172	262667	34.712	ng	-0.02
79) Terphenyl-d14	12.863	244	200349	32.028	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.298	70	20798	5.518	ng	# 74
25) Isophorone	7.298	82	150413	15.615	ng	# 66
49) Acenaphthylene	9.633	152	67352	6.231	ng	98
51) 2,6-Dinitrotoluene	9.769	165	16013	9.323	ng	# 16
56) 4-Nitrophenol	9.927	139	461	5.937	ng	# 8
71) Phenanthrene	11.292	178	92528	9.820	ng	98
72) Anthracene	11.351	178	41468	4.247	ng	99
75) Fluoranthene	12.492	202	414179	39.603	ng	98
78) Pyrene	12.721	202	439372	47.728	ng	99
81) Benzo(a)anthracene	13.927	228	230492	30.291	ng	95
83) Chrysene	13.962	228	212064	28.774	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	92162	17.639	ng	# 94
88) Benzo(b)fluoranthene	14.986	252	300212	55.940	ng	# 96
89) Benzo(k)fluoranthene	14.986	252	300212	57.620	ng	# 94
90) Benzo(a)pyrene	15.357	252	157564	31.223	ng	95
91) Dibenzo(a,h)anthracene	16.921	278	24021	5.608	ng	# 80
92) Benzo(g,h,i)perylene	17.392	276	88897	20.205	ng	97

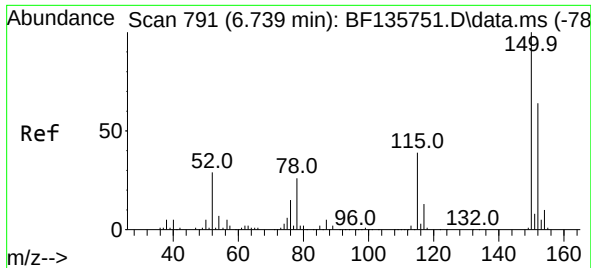
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102023\
Data File : BF135914.D
Acq On : 20 Oct 2023 18:41
Operator : CG\JU
Sample : 04935-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-10172023

Quant Time: Oct 20 20:30:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration

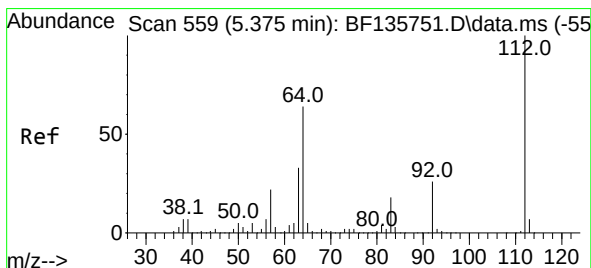
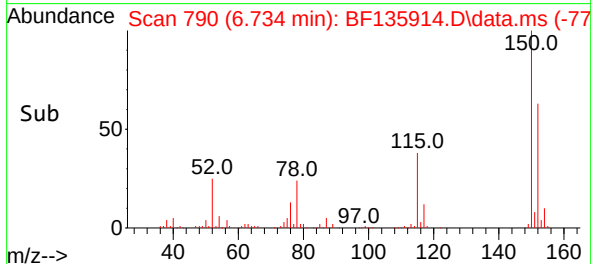
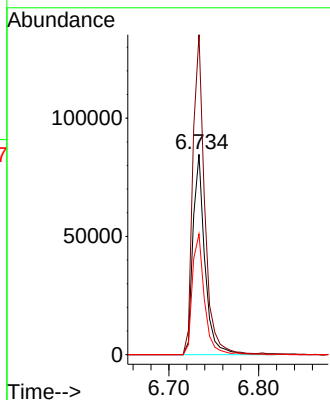
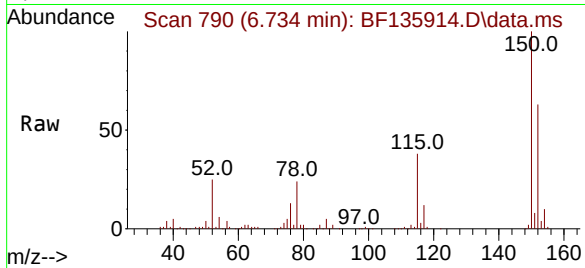




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

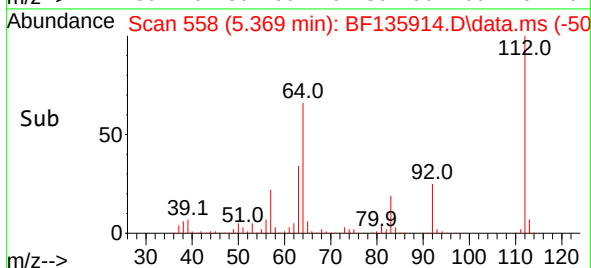
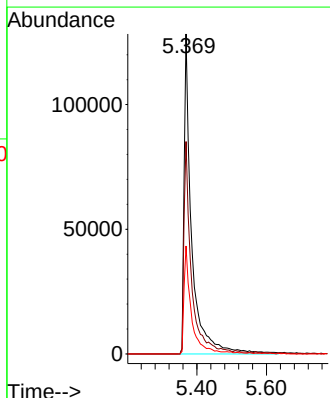
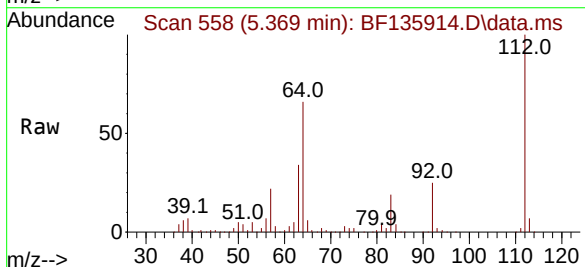
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023

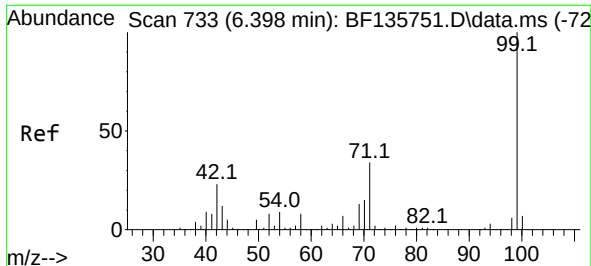
Tgt Ion:152 Resp: 78547
Ion Ratio Lower Upper
152 100
150 159.7 124.5 186.7
115 60.3 49.0 73.4



#5
2-Fluorophenol
Concen: 40.163 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Tgt Ion:112 Resp: 196218
Ion Ratio Lower Upper
112 100
64 66.4 51.2 76.8
63 33.8 26.1 39.1

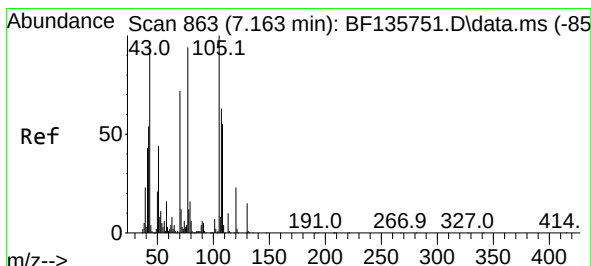
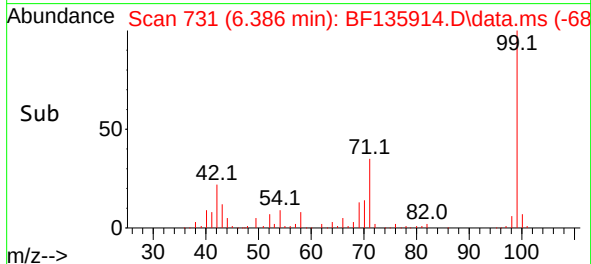
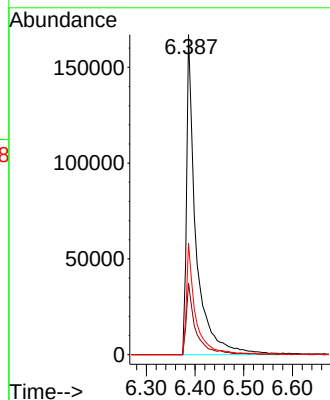
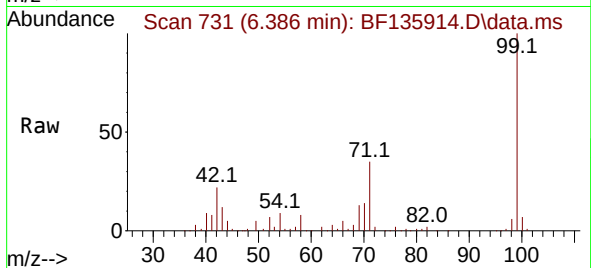




#7
Phenol-d6
Concen: 36.819 ng
RT: 6.386 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

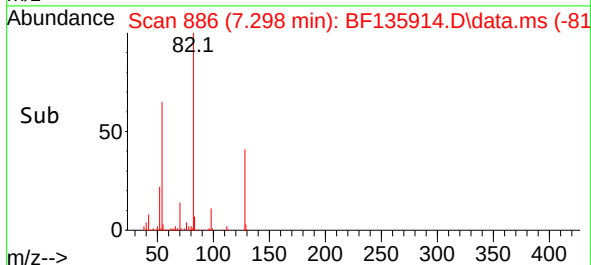
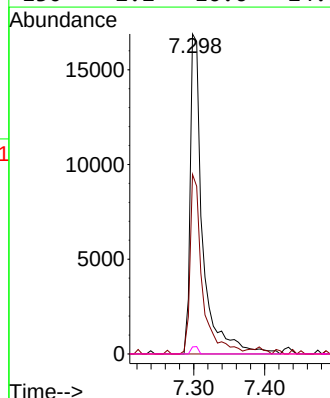
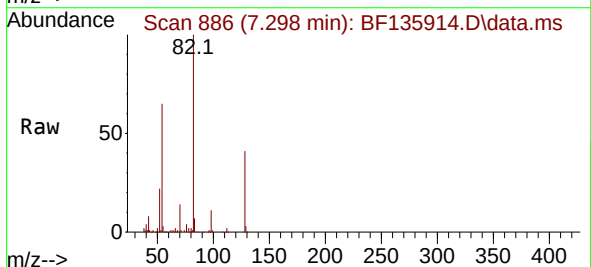
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023

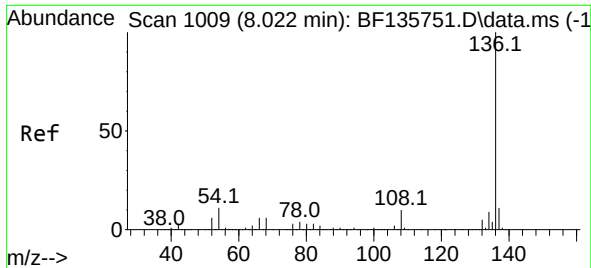
Tgt Ion: 99 Resp: 224443
Ion Ratio Lower Upper
99 100
42 22.3 18.4 27.6
71 34.8 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 5.518 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.135 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Tgt Ion: 70 Resp: 20798
Ion Ratio Lower Upper
70 100
42 56.1 59.8 89.6#
101 0.0 7.4 11.2#
130 2.2 16.6 24.8#



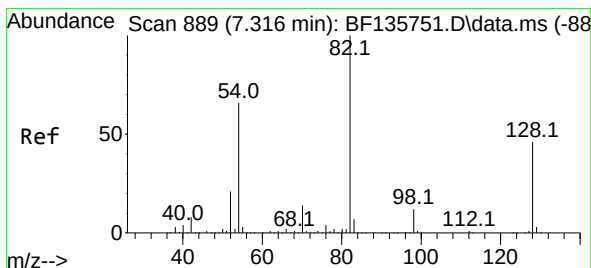
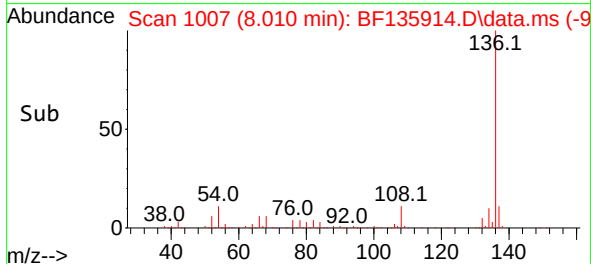
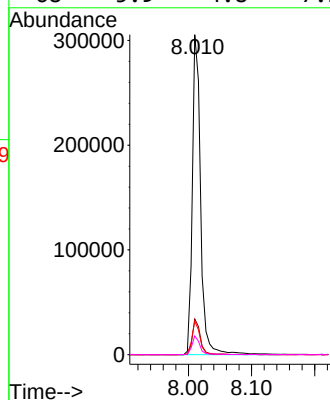
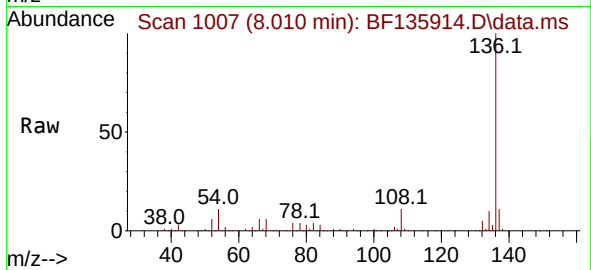


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Instrument :
BNA_F
ClientSampleId :
OK-01-10172023

Tgt Ion:136 Resp: 280811

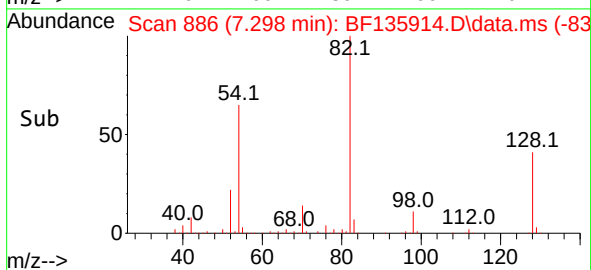
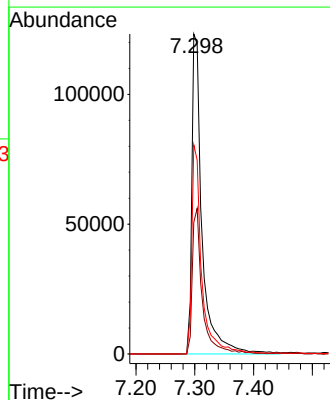
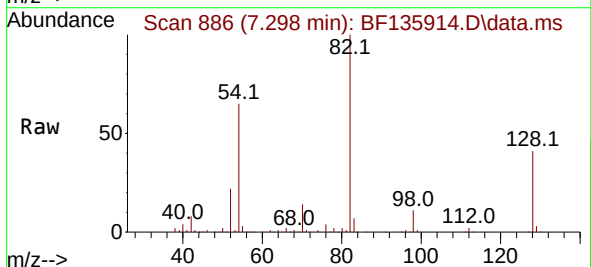
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	10.5	8.5	12.7
68	5.9	4.8	7.2

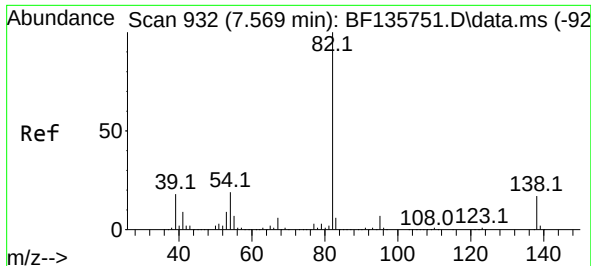


#23
Nitrobenzene-d5
Concen: 29.460 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.018 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Tgt Ion: 82 Resp: 150413

Ion	Ratio	Lower	Upper
82	100		
128	41.2	37.0	55.6
54	65.4	52.8	79.2

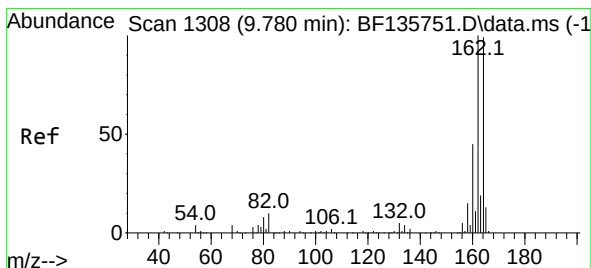
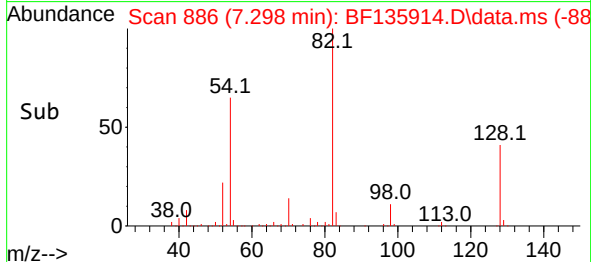
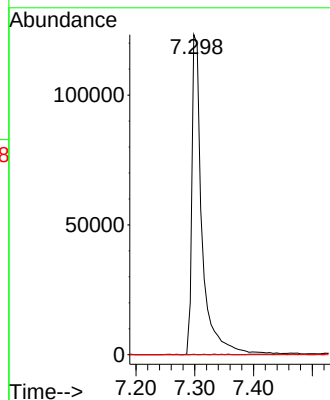
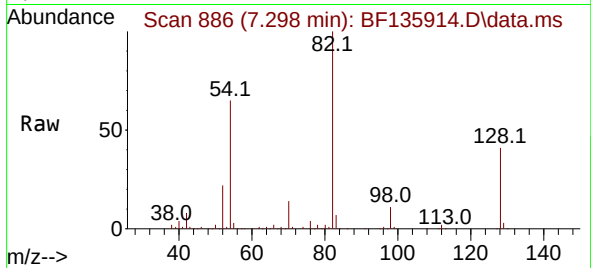




#25
Isophorone
Concen: 15.615 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

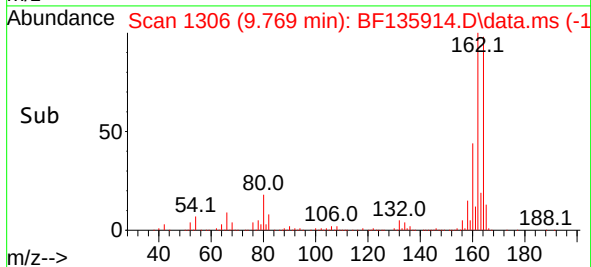
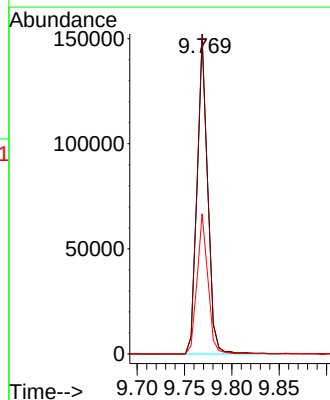
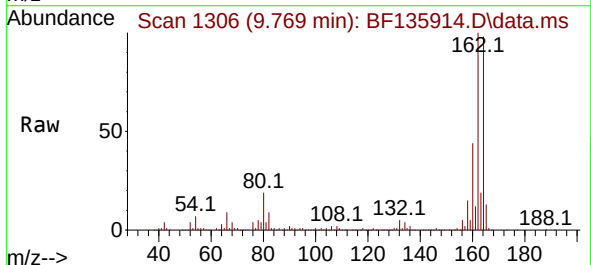
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023

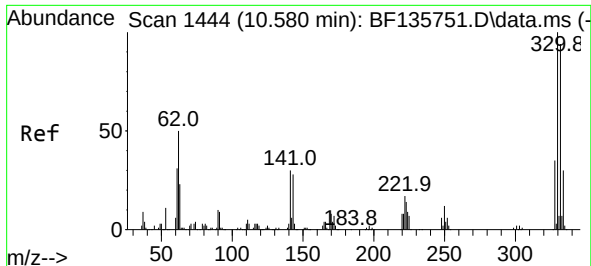
Tgt Ion: 82 Resp: 150413
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.018 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Tgt Ion: 164 Resp: 118313
Ion Ratio Lower Upper
164 100
162 101.8 80.8 121.2
160 44.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 33.077 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.018 min

Lab File: BF135914.D

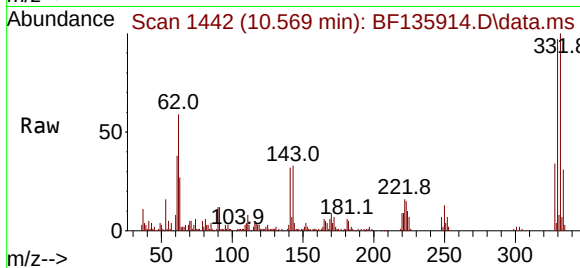
Acq: 20 Oct 2023 18:41

Instrument :

BNA_F

ClientSampleId :

OK-01-10172023



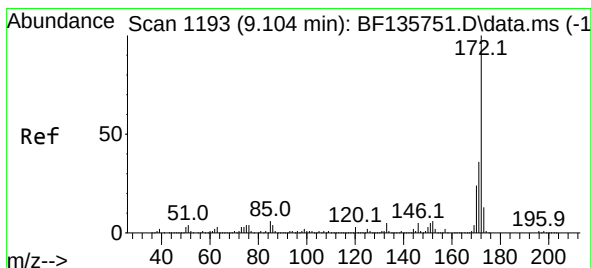
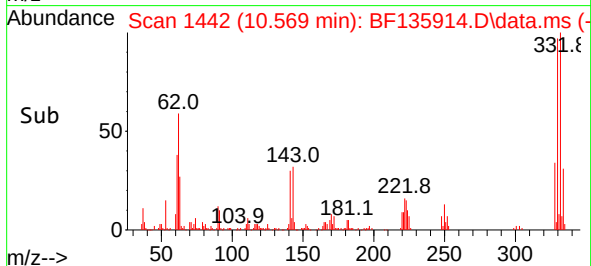
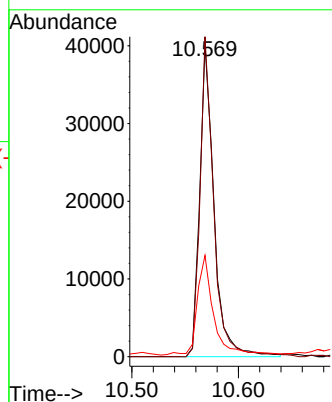
Tgt Ion:330 Resp: 37553

Ion Ratio Lower Upper

330 100

332 98.5 75.0 112.4

141 36.3 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 34.712 ng

RT: 9.086 min Scan# 1190

Delta R.T. -0.018 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

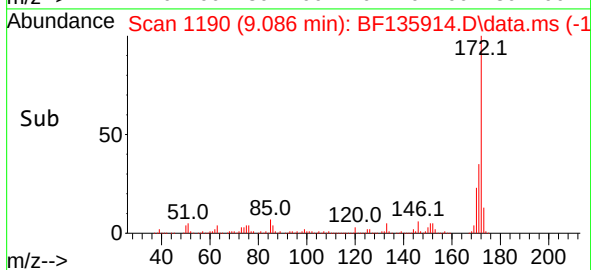
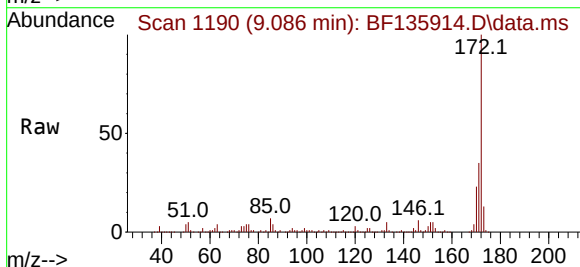
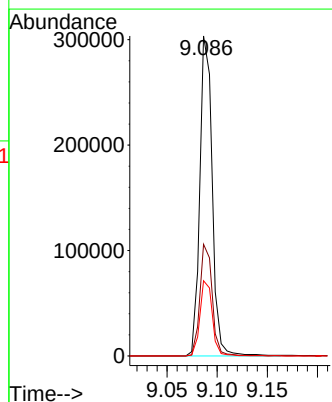
Tgt Ion:172 Resp: 262667

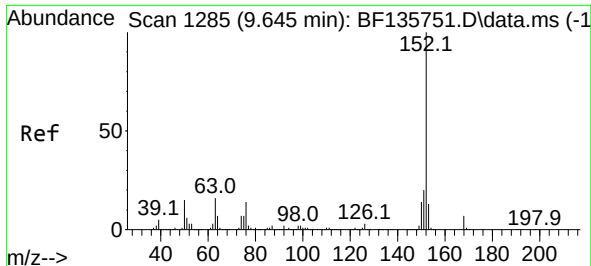
Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.5 18.8 28.2





#49

Acenaphthylene

Concen: 6.231 ng

RT: 9.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

Instrument :

BNA_F

ClientSampleId :

OK-01-10172023

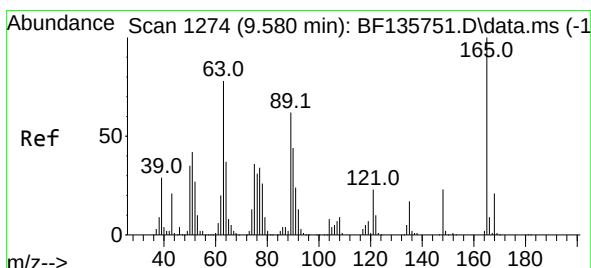
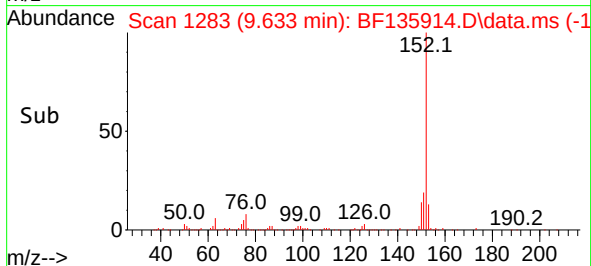
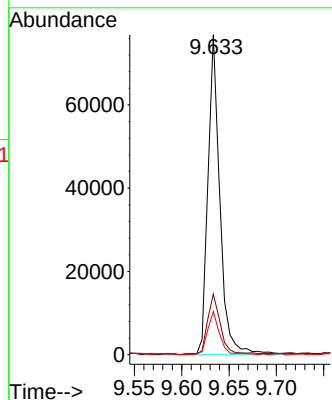
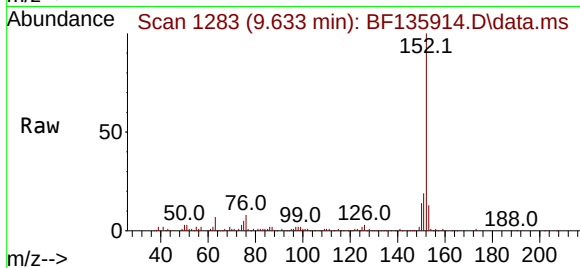
Tgt Ion:152 Resp: 67352

Ion Ratio Lower Upper

152 100

151 19.0 16.2 24.2

153 13.5 10.2 15.4



#51

2,6-Dinitrotoluene

Concen: 9.323 ng

RT: 9.769 min Scan# 1306

Delta R.T. 0.182 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

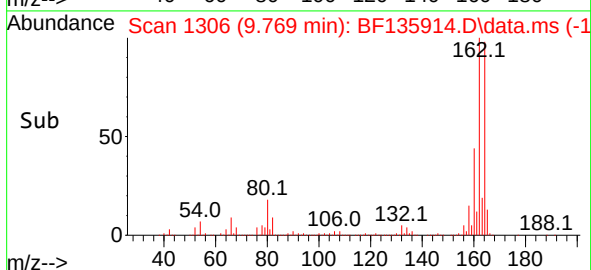
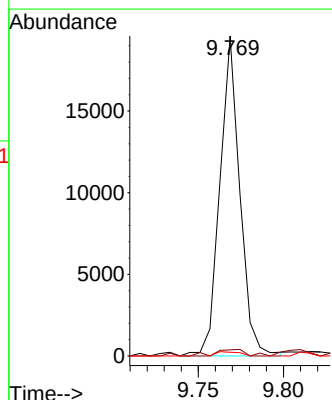
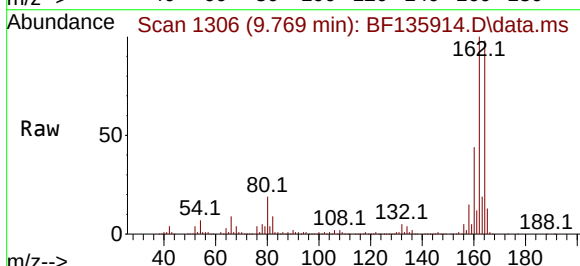
Tgt Ion:165 Resp: 16013

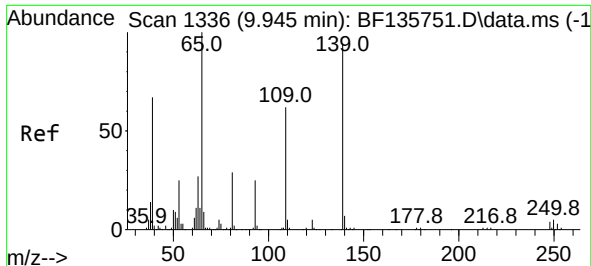
Ion Ratio Lower Upper

165 100

63 1.9 62.2 93.4#

89 1.2 49.6 74.4#

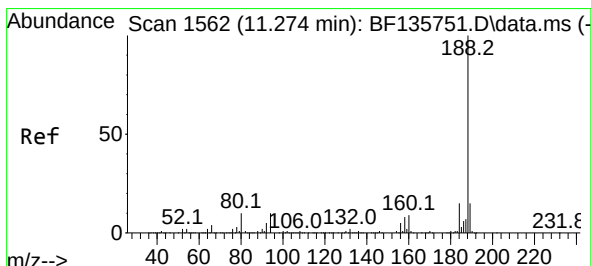
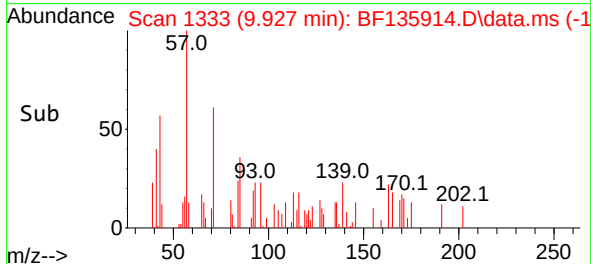
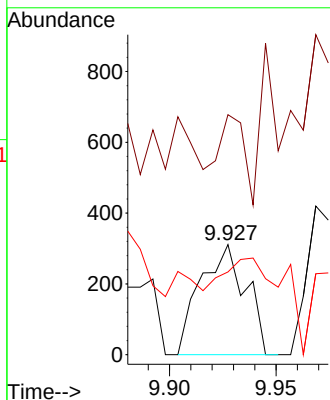
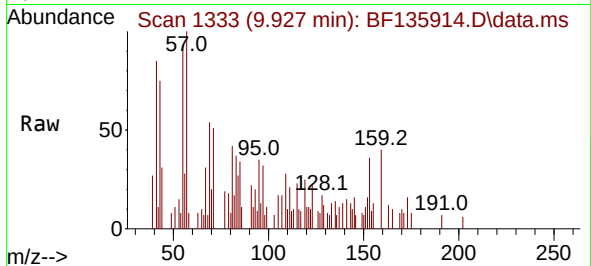




#56
4-Nitrophenol
Concen: 5.937 ng
RT: 9.927 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

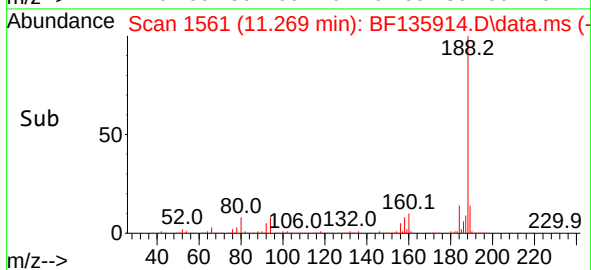
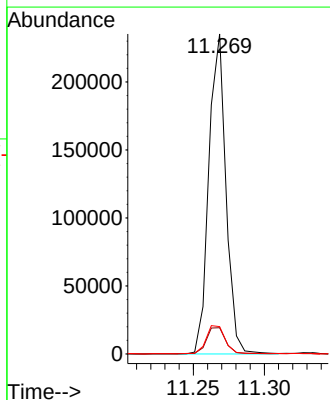
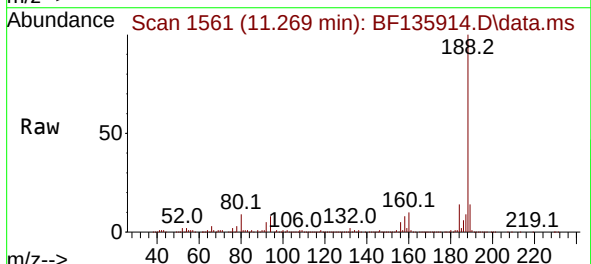
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023

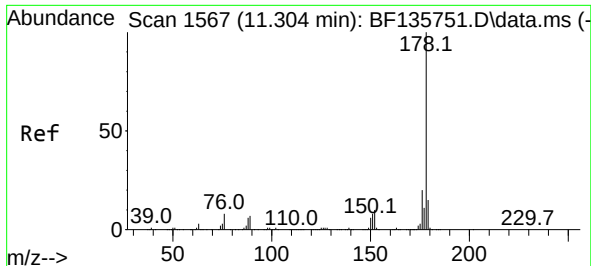
Tgt Ion:139 Resp: 461
Ion Ratio Lower Upper
139 100
109 218.0 45.6 85.6#
65 75.2 87.5 127.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Tgt Ion:188 Resp: 196700
Ion Ratio Lower Upper
188 100
94 8.2 8.0 12.0
80 8.6 8.3 12.5

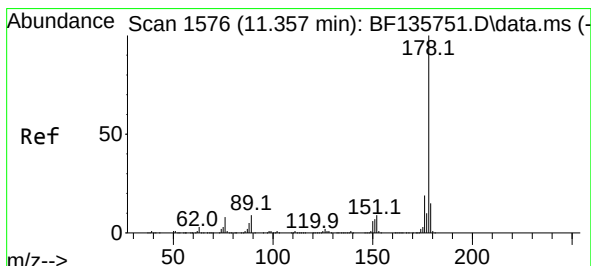
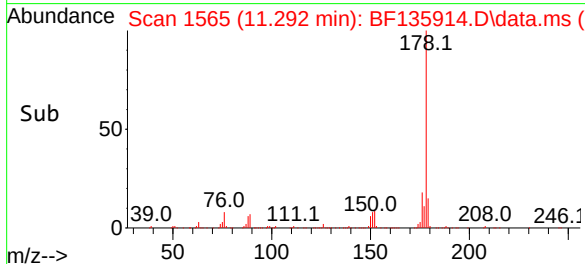
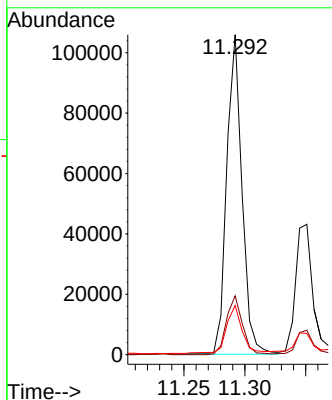
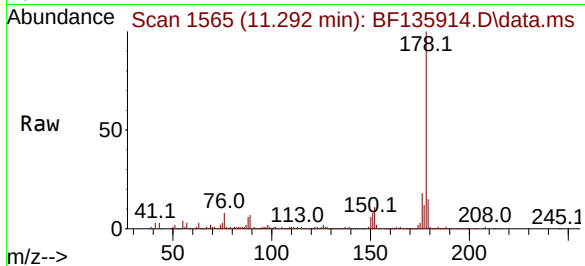




#71
Phenanthrene
Concen: 9.820 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

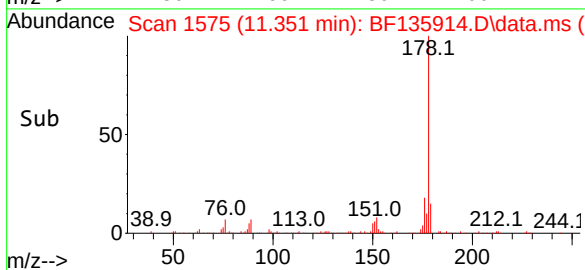
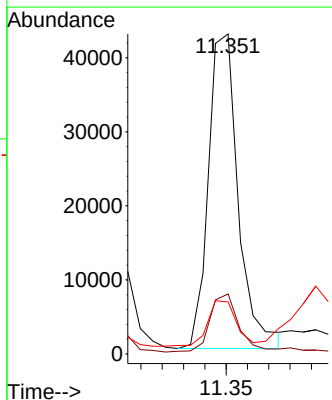
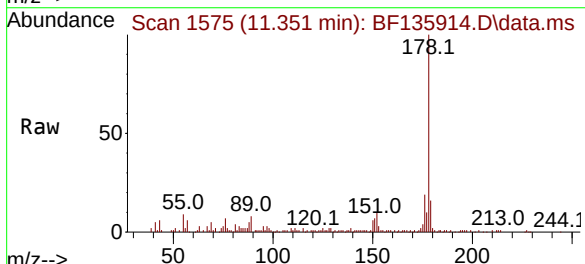
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023

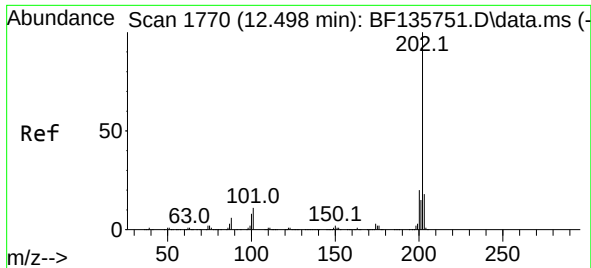
Tgt Ion:178 Resp: 92528
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.3 12.2 18.4



#72
Anthracene
Concen: 4.247 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Tgt Ion:178 Resp: 41468
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 16.3 12.3 18.5

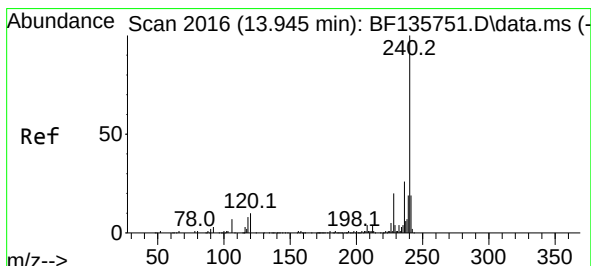
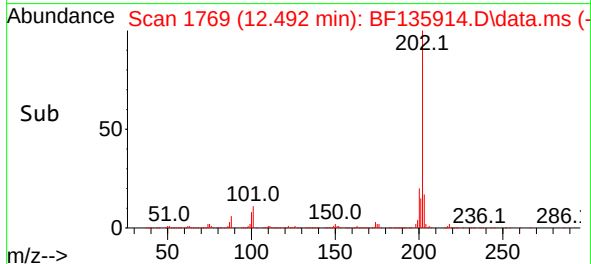
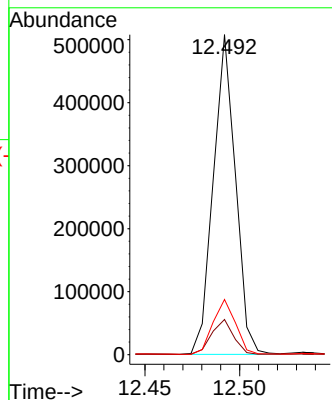
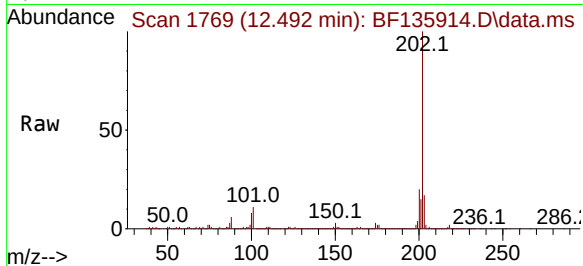




#75
Fluoranthene
Concen: 39.603 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

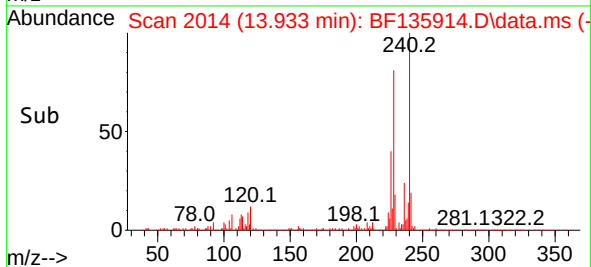
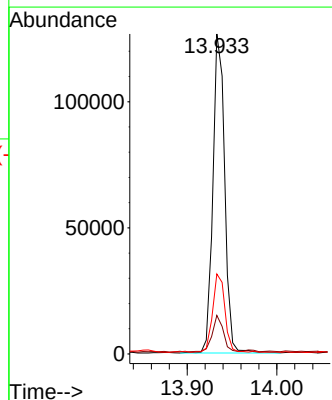
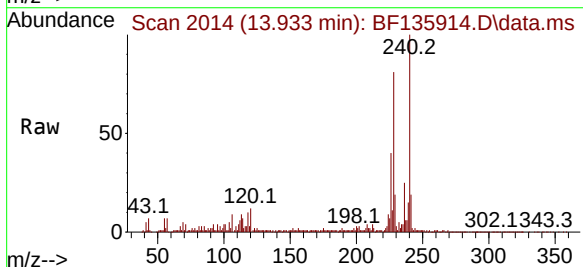
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023

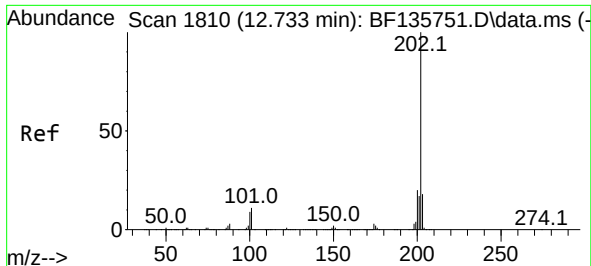
Tgt Ion:202 Resp: 414179
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.5
203 17.3 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.018 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Tgt Ion:240 Resp: 115845
Ion Ratio Lower Upper
240 100
120 12.0 8.2 12.2
236 25.0 21.2 31.8

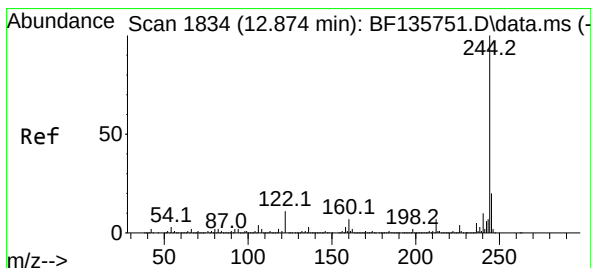
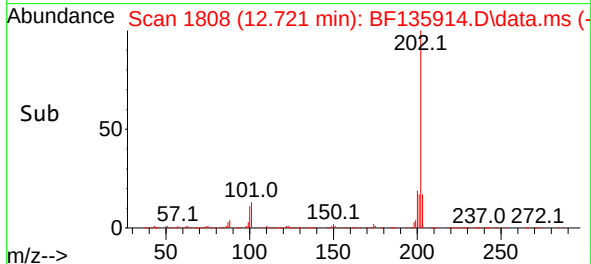
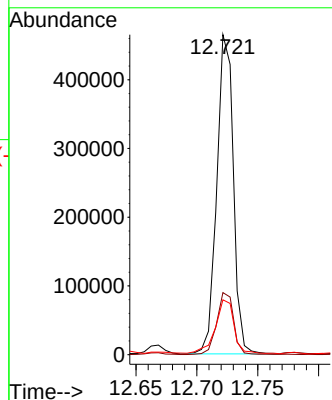
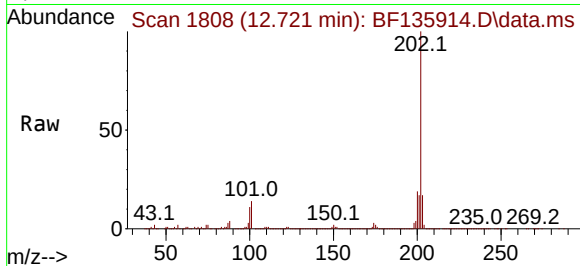




#78
Pyrene
Concen: 47.728 ng
RT: 12.721 min Scan# 1808
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

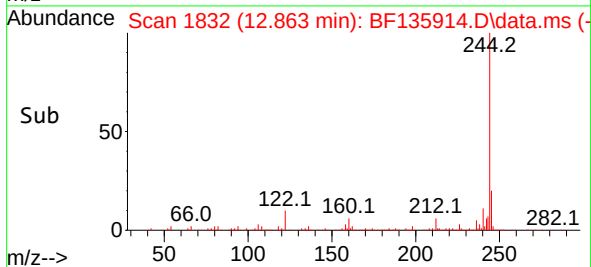
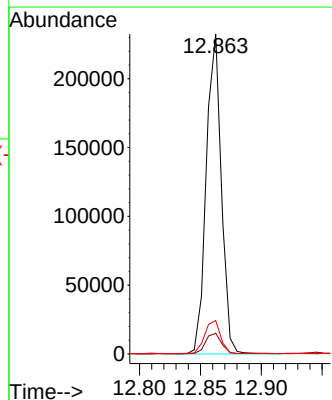
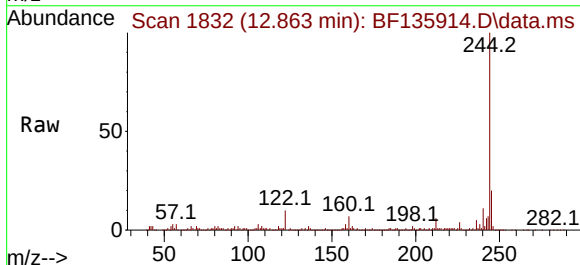
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023

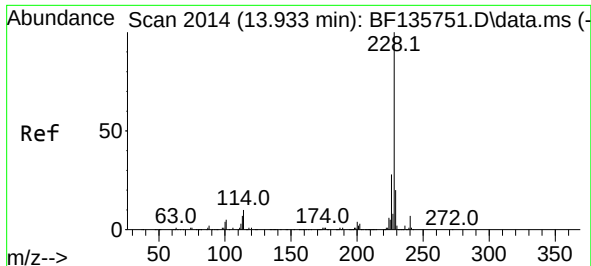
Tgt Ion:202 Resp: 439372
Ion Ratio Lower Upper
202 100
200 19.4 16.1 24.1
203 17.2 14.2 21.2



#79
Terphenyl-d14
Concen: 32.028 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.018 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Tgt Ion:244 Resp: 200349
Ion Ratio Lower Upper
244 100
212 6.4 5.6 8.4
122 10.4 9.0 13.6

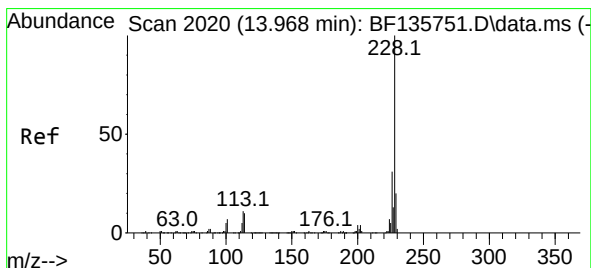
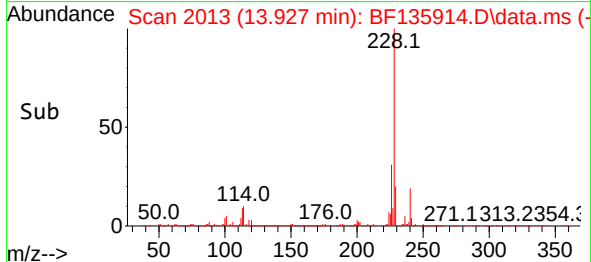
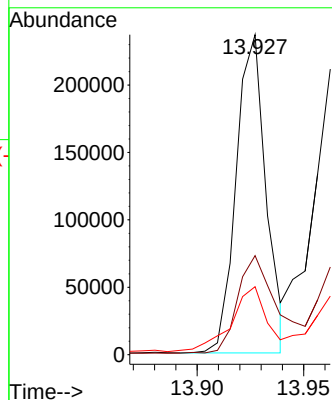
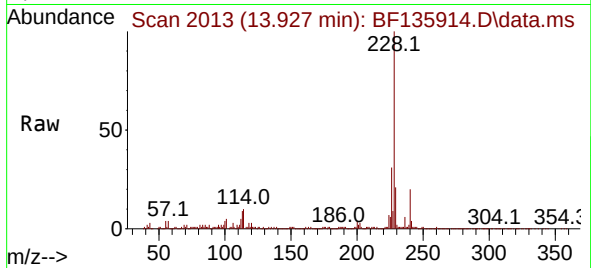




#81
Benzo(a)anthracene
Concen: 30.291 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

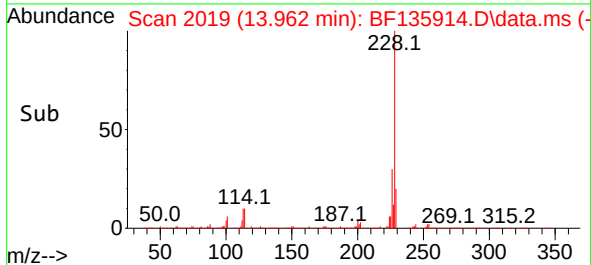
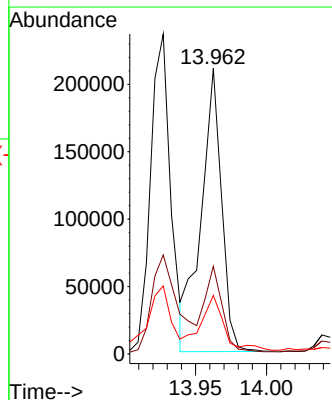
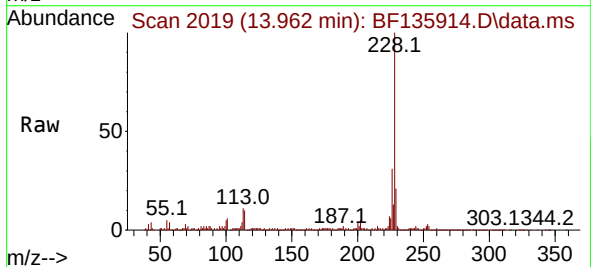
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023

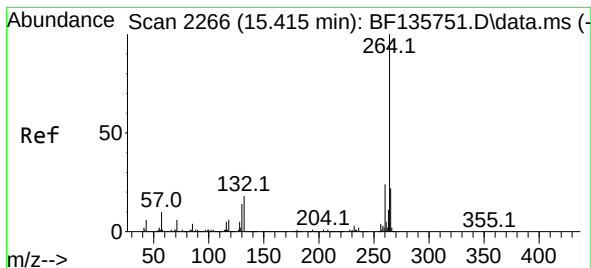
Tgt Ion:228 Resp: 230492
Ion Ratio Lower Upper
228 100
226 30.9 22.2 33.2
229 21.2 16.1 24.1



#83
Chrysene
Concen: 28.774 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Tgt Ion:228 Resp: 212064
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 20.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

Instrument :

BNA_F

ClientSampleId :

OK-01-10172023

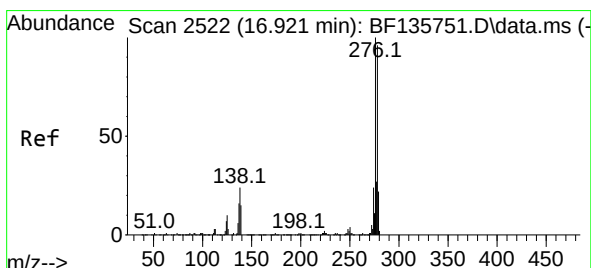
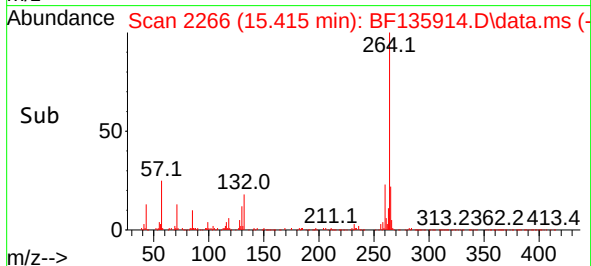
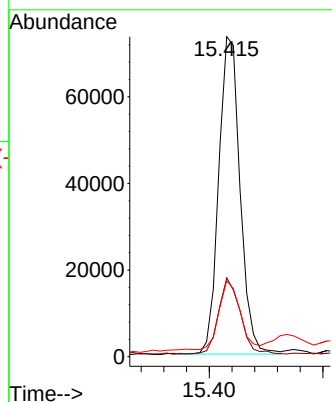
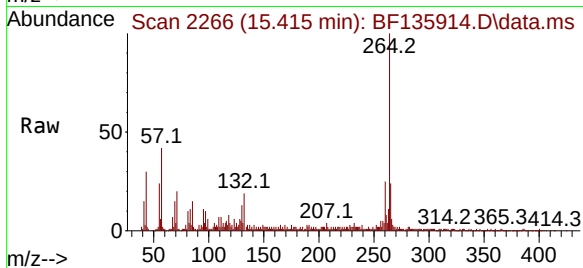
Tgt Ion:264 Resp: 95890

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 23.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 17.639 ng

RT: 16.933 min Scan# 2524

Delta R.T. -0.000 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

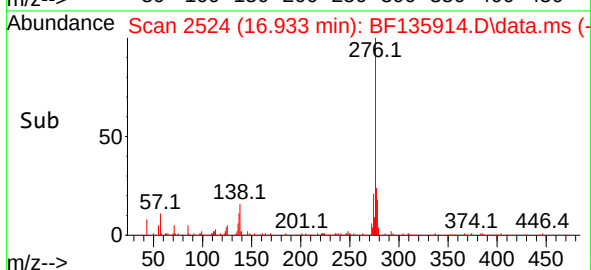
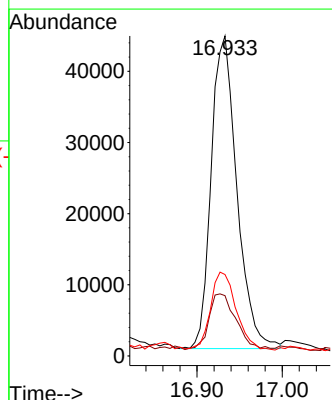
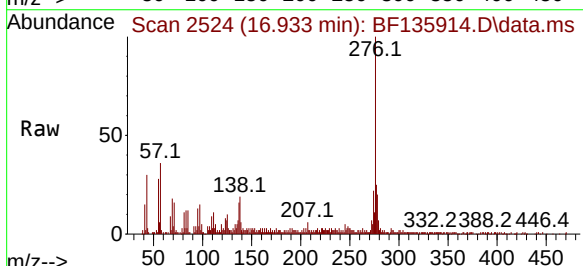
Tgt Ion:276 Resp: 92162

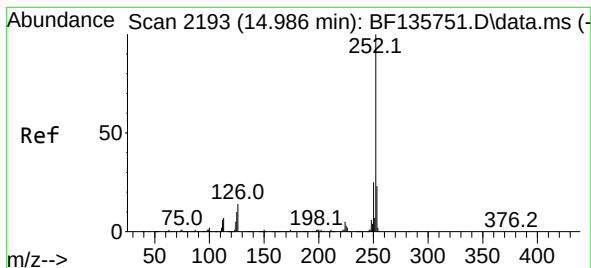
Ion Ratio Lower Upper

276 100

138 18.6 19.8 29.6#

277 24.9 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 55.940 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

Instrument :

BNA_F

ClientSampleId :

OK-01-10172023

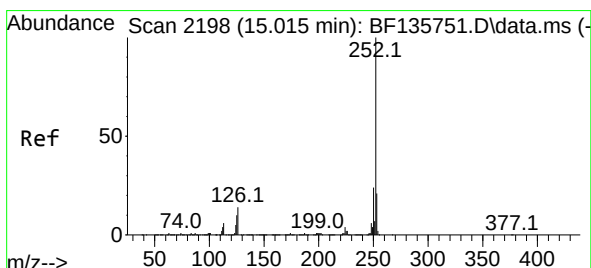
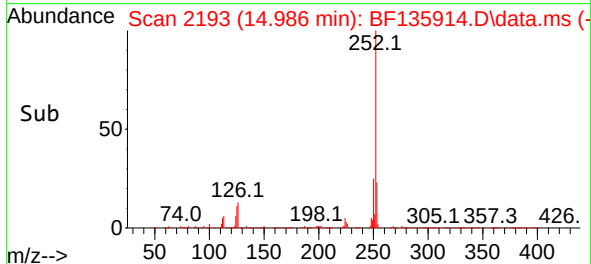
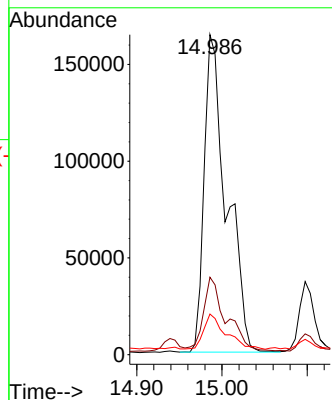
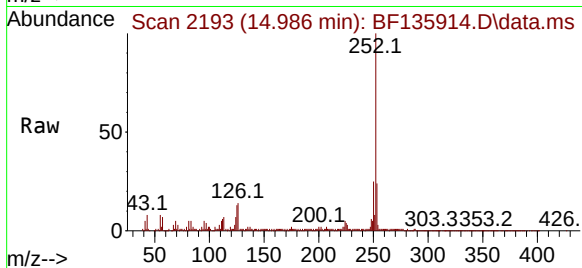
Tgt Ion:252 Resp: 300212

Ion Ratio Lower Upper

252 100

253 24.2 18.2 27.2

125 12.7 8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 57.620 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.036 min

Lab File: BF135914.D

Acq: 20 Oct 2023 18:41

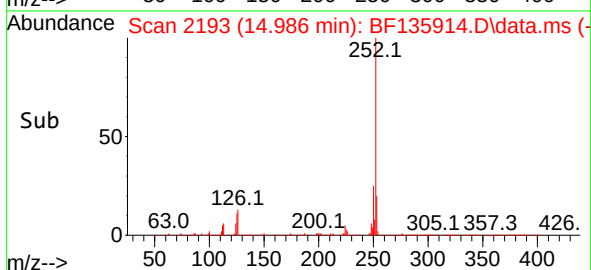
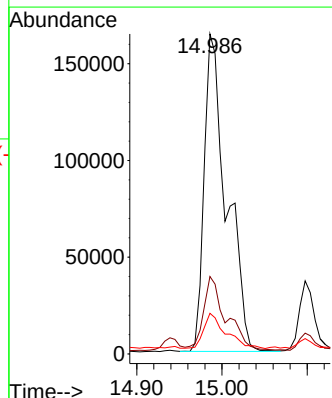
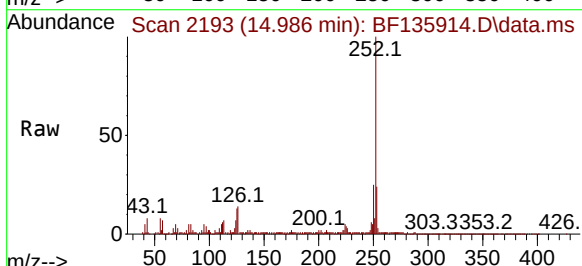
Tgt Ion:252 Resp: 300212

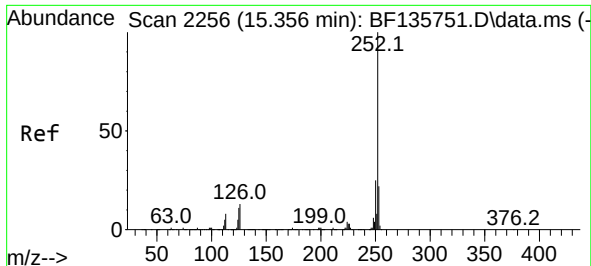
Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

125 12.7 8.3 12.5#

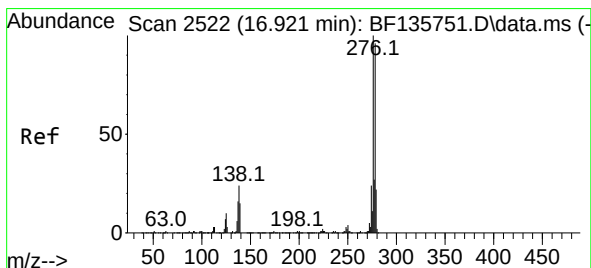
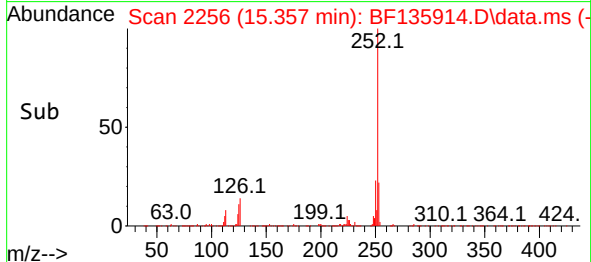
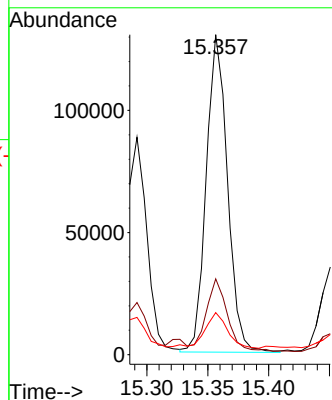
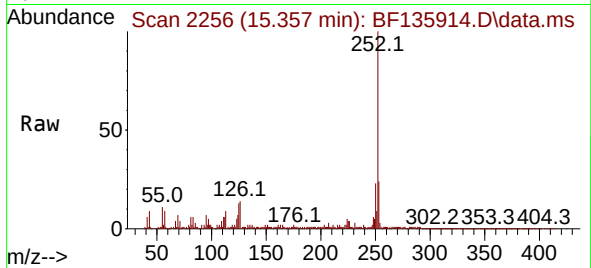




#90
Benzo(a)pyrene
Concen: 31.223 ng
RT: 15.357 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

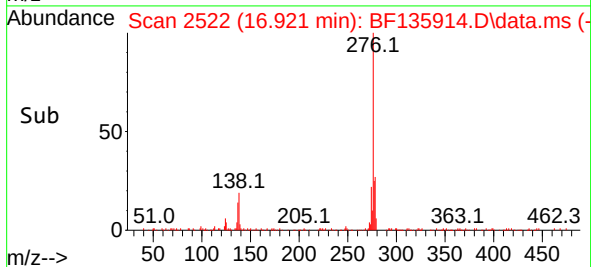
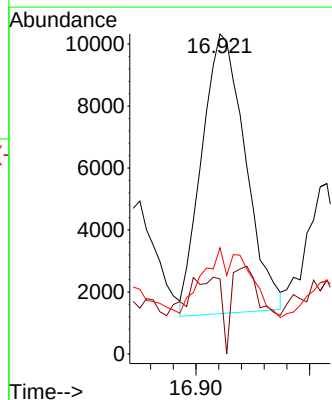
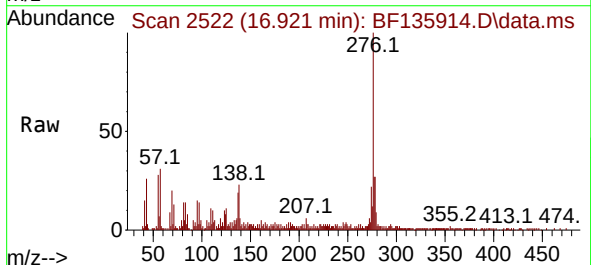
Instrument :
BNA_F
ClientSampleId :
OK-01-10172023

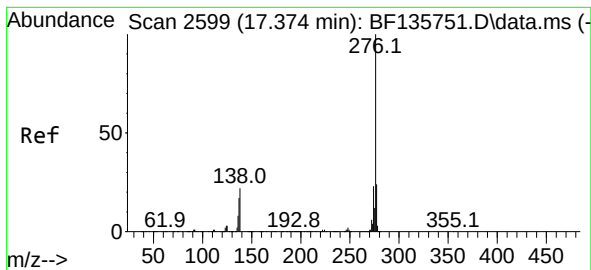
Tgt Ion:252 Resp: 157564
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 13.2 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 5.608 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.018 min
Lab File: BF135914.D
Acq: 20 Oct 2023 18:41

Tgt Ion:278 Resp: 24021
Ion Ratio Lower Upper
278 100
139 23.4 12.5 18.7#
279 33.2 18.6 27.8#





#92

Benzo(g,h,i)perylene

Concen: 20.205 ng

RT: 17.392 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135914.D

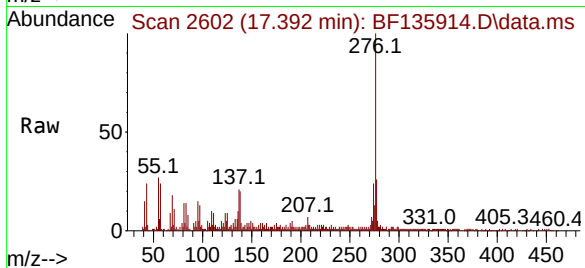
Acq: 20 Oct 2023 18:41

Instrument :

BNA_F

ClientSampleId :

OK-01-10172023



Tgt Ion:276 Resp: 88897

Ion Ratio Lower Upper

276 100

277 26.1 19.4 29.2

138 20.2 17.3 25.9

