

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
 Data File : BF135983.D
 Acq On : 27 Oct 2023 14:25
 Operator : CG\JU
 Sample : 04767-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB-1

Quant Time: Oct 27 22:30:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

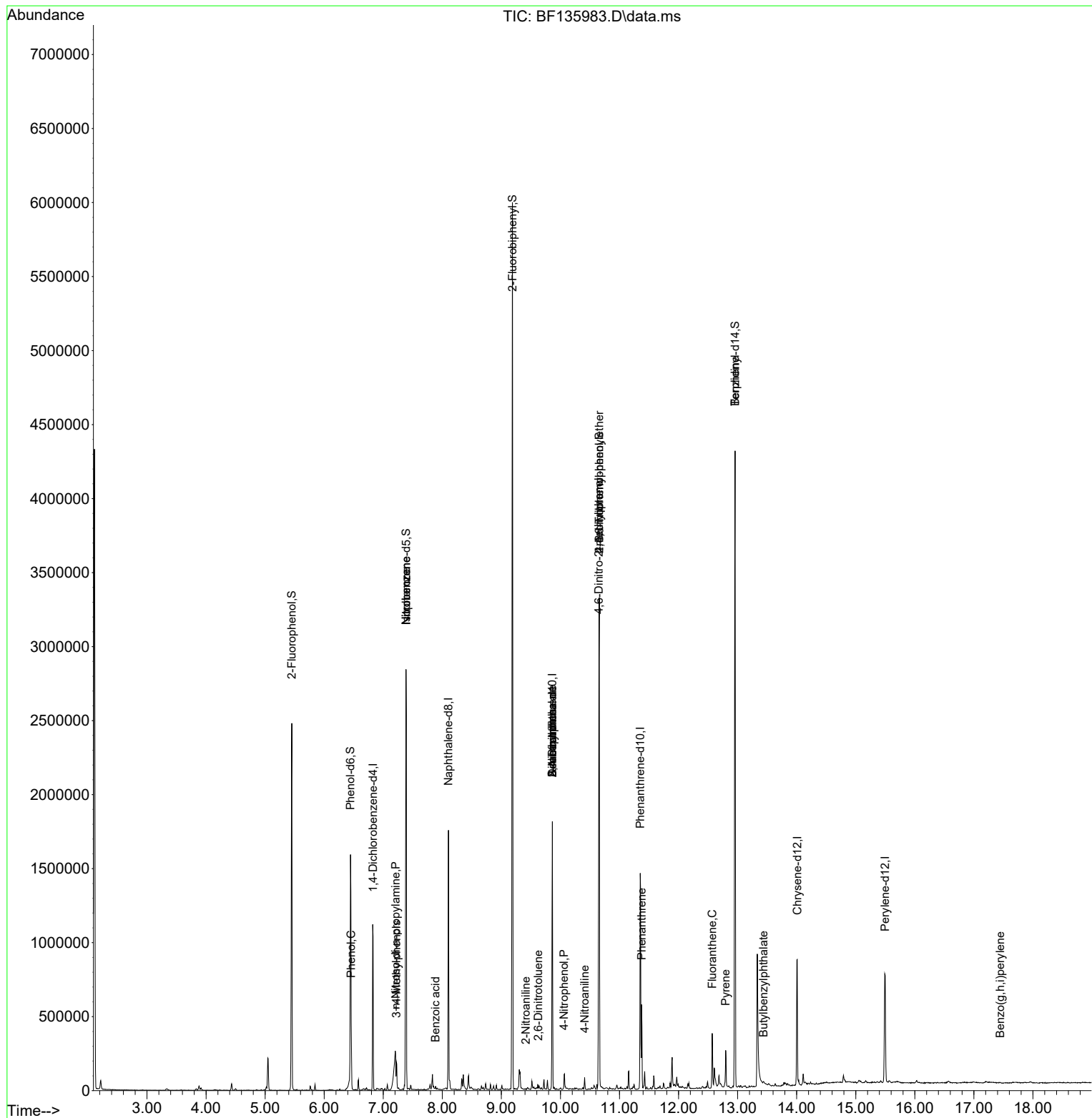
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	161190	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	640156	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	318743	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	538007	20.000	ng	0.00
76) Chrysene-d12	14.010	240	289180	20.000	ng	0.00
86) Perylene-d12	15.498	264	348070	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	664971	63.703	ng	0.00
7) Phenol-d6	6.445	99	527029	40.554	ng	-0.01
23) Nitrobenzene-d5	7.386	82	977608	97.050	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	442098	158.461	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1756315	88.231	ng	0.00
79) Terphenyl-d14	12.957	244	1574877	90.991	ng	0.00
Target Compounds						
10) Phenol	6.457	94	78539	5.781	ng	97
19) n-Nitroso-di-n-propyla...	7.210	70	17236	2.332	ng	# 43
20) 3+4-Methylphenols	7.222	107	26284	2.287	ng	89
24) Nitrobenzene	7.386	77	3437	2.889	ng	# 36
25) Isophorone	7.386	82	976154	48.241	ng	# 64
32) Benzoic acid	7.886	122	3702	7.035	ng	# 11
48) 2-Nitroaniline	9.416	65	537	4.326	ng	# 4
50) Dimethylphthalate	9.863	163	65506	3.169	ng	# 1
51) 2,6-Dinitrotoluene	9.622	165	1604	5.198	ng	# 48
53) 3-Nitroaniline	9.863	138	63	4.573	ng	# 1
56) 4-Nitrophenol	10.063	139	9259	8.233	ng	# 16
57) 2,4-Dinitrotoluene	9.863	165	41924	12.772	ng	# 26
62) 4-Nitroaniline	10.410	138	250	4.694	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.651	198	799	7.501	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	26947	4.891	ng	# 1
71) Phenanthrene	11.374	178	189757	6.971	ng	99
75) Fluoranthene	12.569	202	134697	4.704	ng	97
77) Benzidine	12.957	184	18333	3.288	ng	# 93
78) Pyrene	12.798	202	94716	3.901	ng	96
80) Butylbenzylphthalate	13.439	149	476	3.875	ng	# 40
92) Benzo(g,h,i)perylene	17.445	276	2332	3.870	ng	# 80

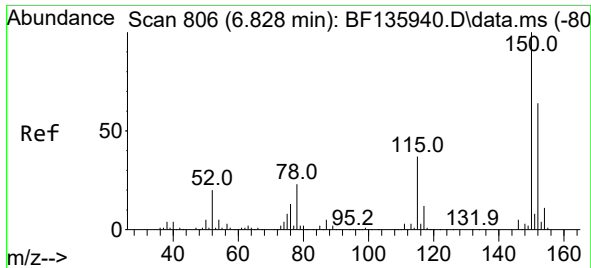
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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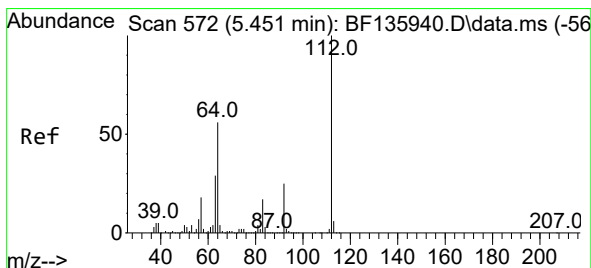
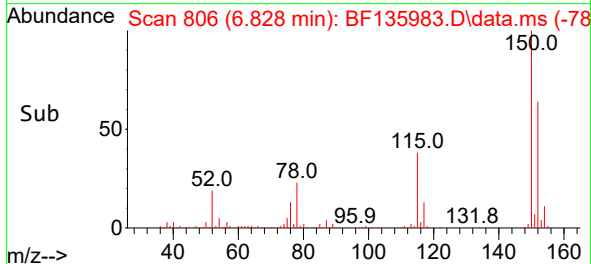
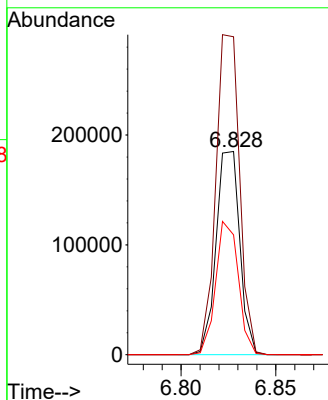
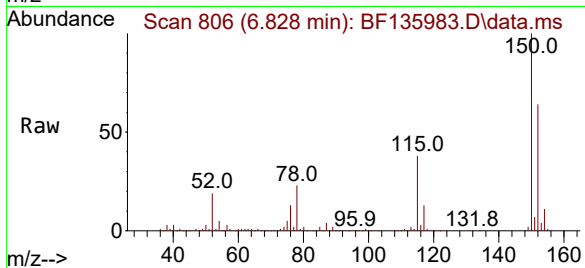




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

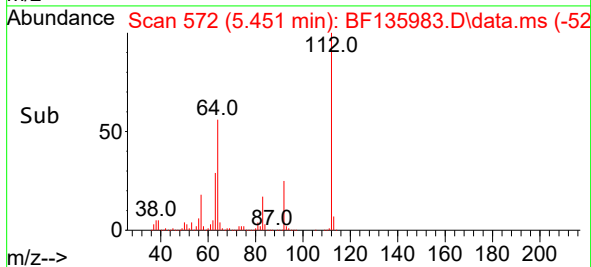
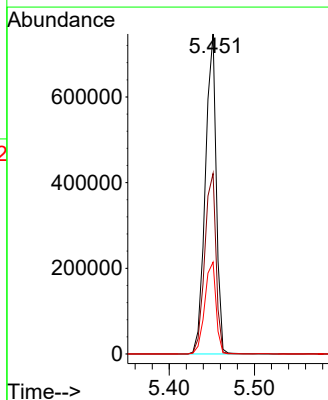
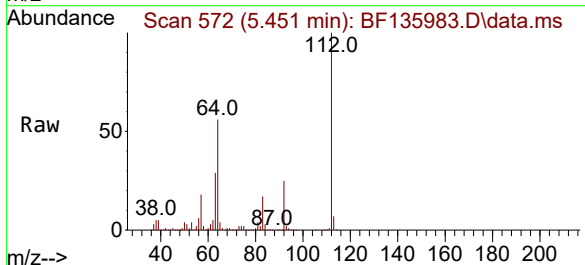
Instrument :
BNA_F
ClientSampleId :
EB-1

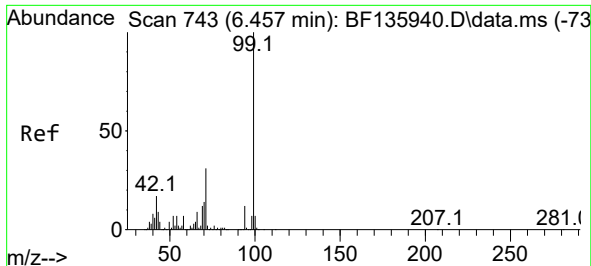
Tgt Ion:152 Resp: 161190
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 59.0 46.6 69.8



#5
2-Fluorophenol
Concen: 63.703 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

Tgt Ion:112 Resp: 664971
Ion Ratio Lower Upper
112 100
64 56.4 45.1 67.7
63 28.7 23.0 34.4

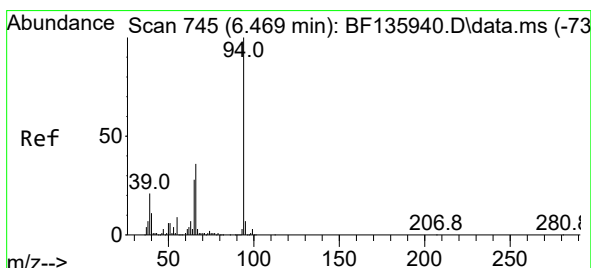
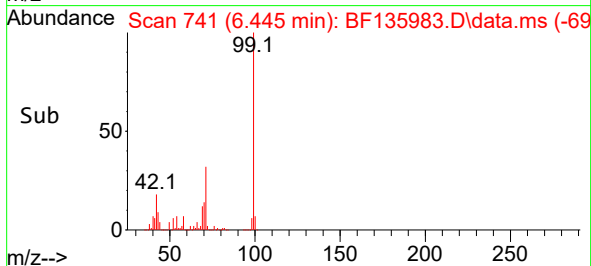
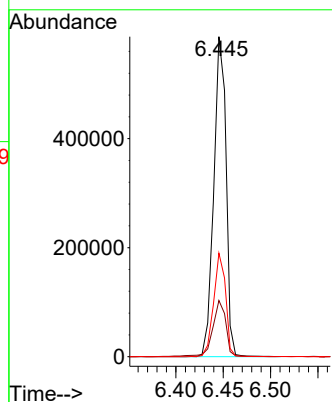
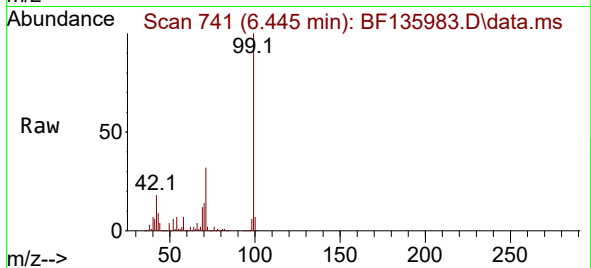




#7
Phenol-d6
Concen: 40.554 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

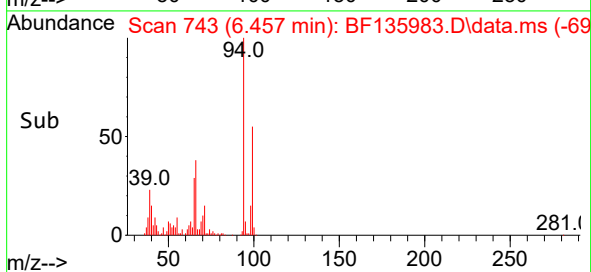
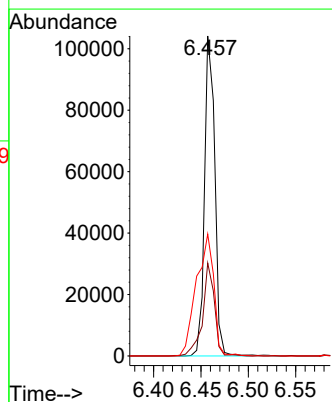
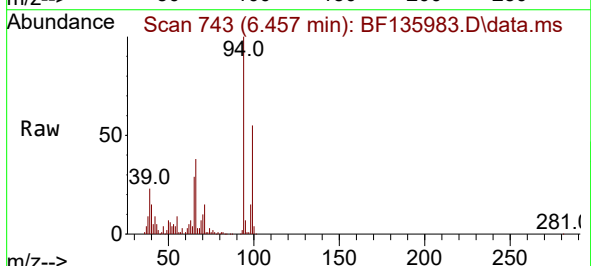
Instrument :
BNA_F
ClientSampleId :
EB-1

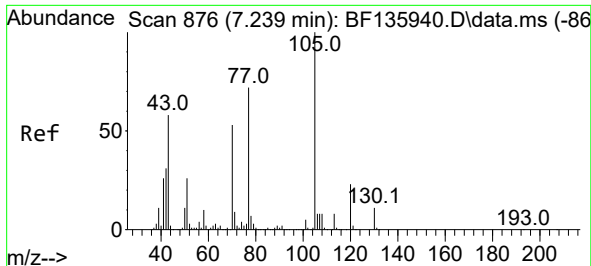
Tgt Ion: 99 Resp: 527029
Ion Ratio Lower Upper
99 100
42 17.5 13.8 20.8
71 32.4 25.1 37.7



#10
Phenol
Concen: 5.781 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

Tgt Ion: 94 Resp: 78539
Ion Ratio Lower Upper
94 100
65 29.0 7.8 47.8
66 38.1 16.5 56.5

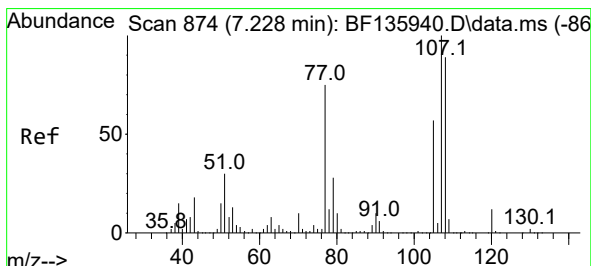
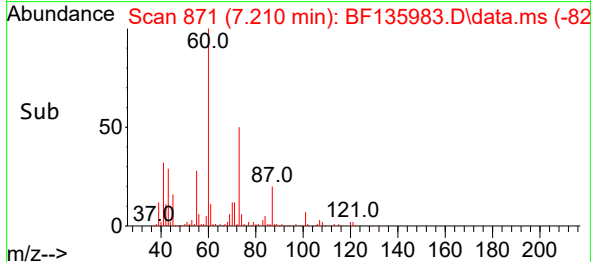
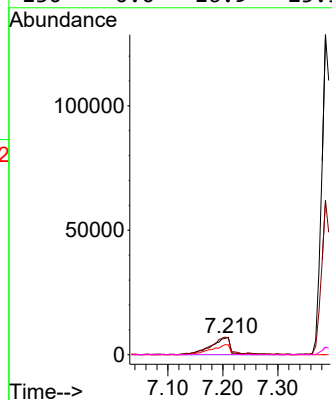
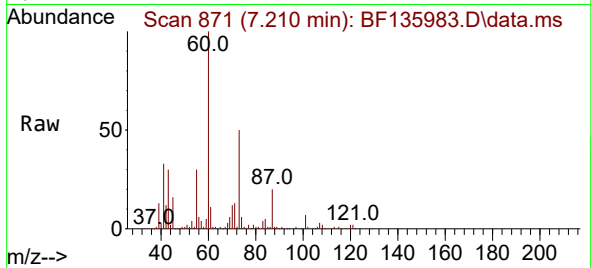




#19
n-Nitroso-di-n-propylamine
Concen: 2.332 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.029 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

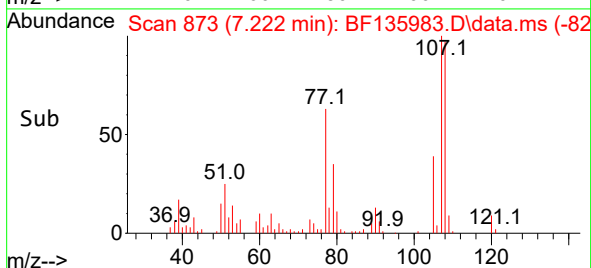
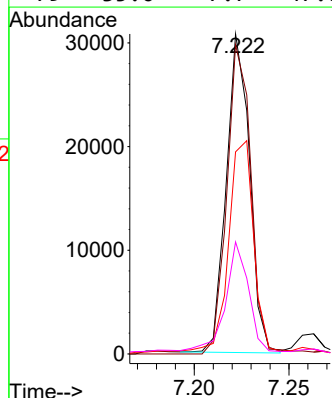
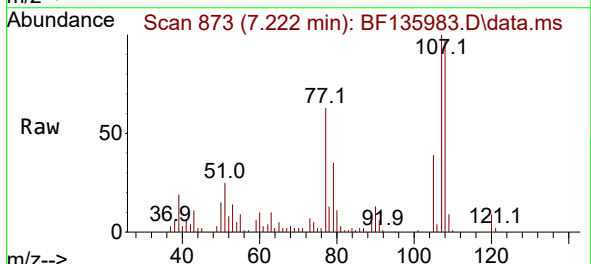
Instrument :
BNA_F
ClientSampleId :
EB-1

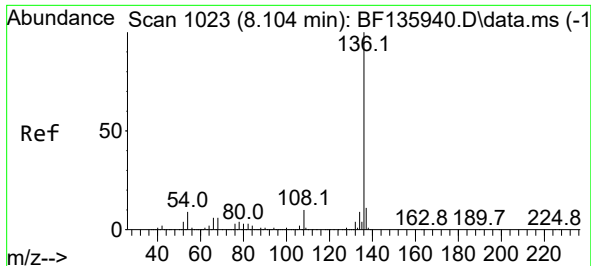
Tgt Ion: 70 Resp: 17236
Ion Ratio Lower Upper
70 100
42 96.5 47.3 70.9#
101 56.4 7.8 11.8#
130 0.0 16.9 25.3#



#20
3+4-Methylphenols
Concen: 2.287 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

Tgt Ion: 107 Resp: 26284
Ion Ratio Lower Upper
107 100
108 96.6 69.1 109.1
77 63.1 55.0 95.0
79 35.0 7.7 47.7

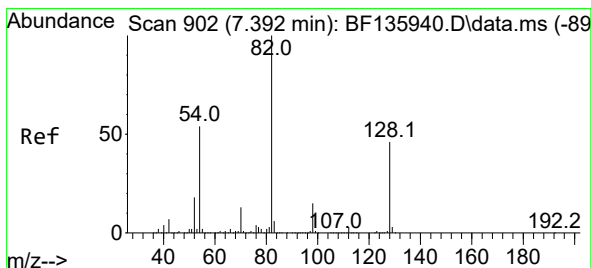
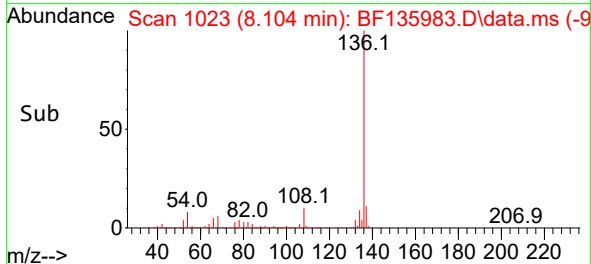
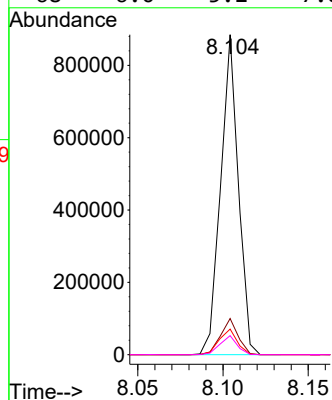
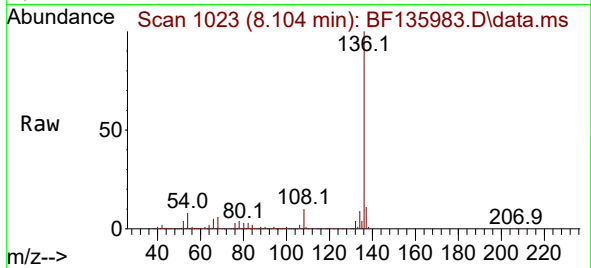




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

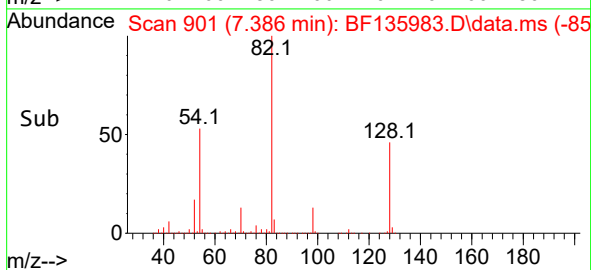
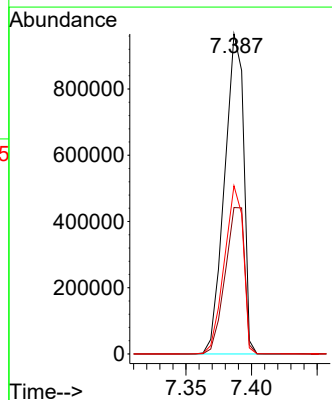
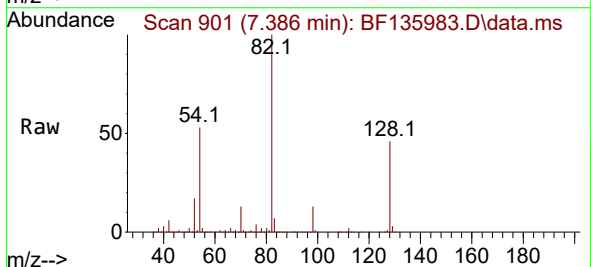
Instrument :
BNA_F
ClientSampleId :
EB-1

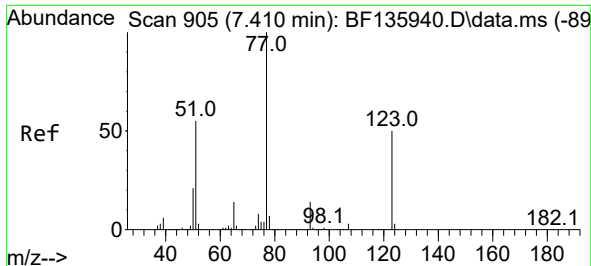
Tgt Ion:	136	Resp:	640156
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	8.0	7.1	10.7
68	6.0	5.2	7.8



#23
Nitrobenzene-d5
Concen: 97.050 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

Tgt Ion:	82	Resp:	977608
Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.8	55.2
54	52.5	43.4	65.0

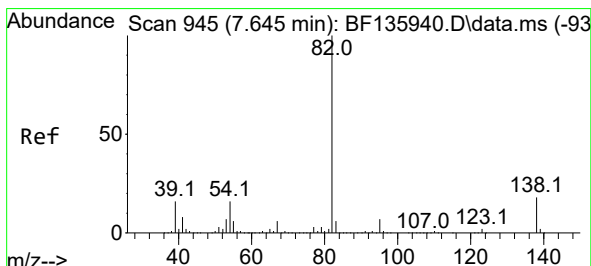
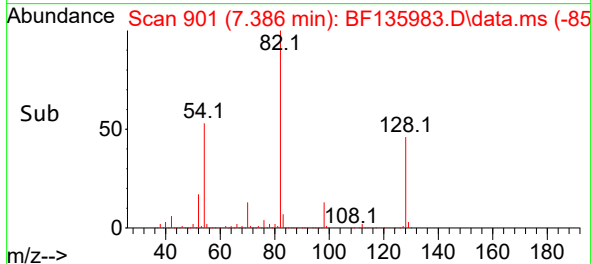
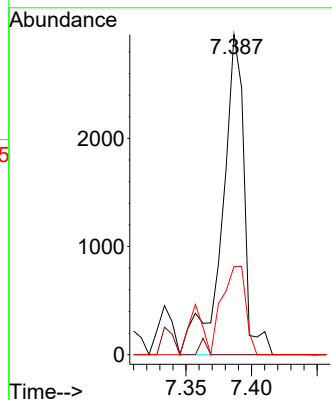
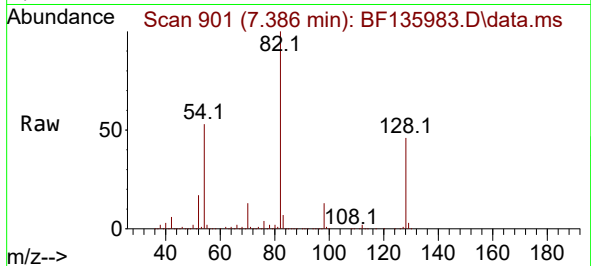




#24
Nitrobenzene
Concen: 2.889 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.024 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

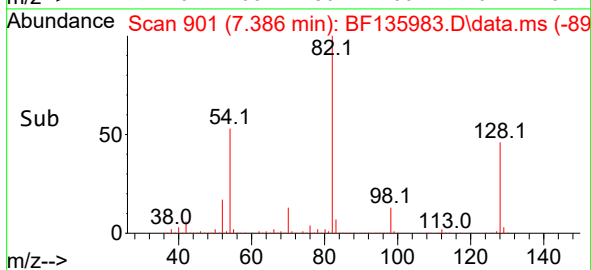
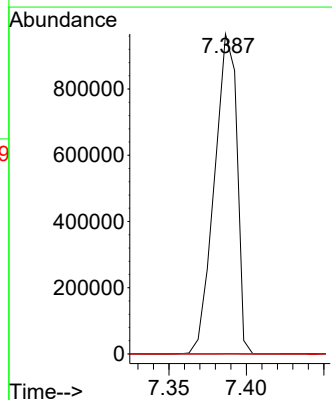
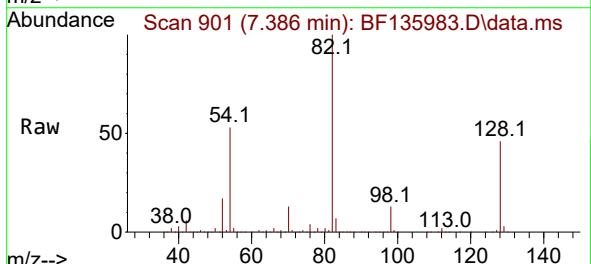
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ClientSampleId :
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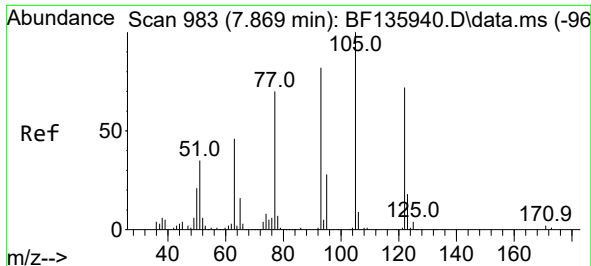
Tgt Ion: 77 Resp: 3437
Ion Ratio Lower Upper
77 100
123 0.0 40.2 60.2#
65 27.5 11.0 16.4#



#25
Isophorone
Concen: 48.241 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

Tgt Ion: 82 Resp: 976154
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.8 22.2#

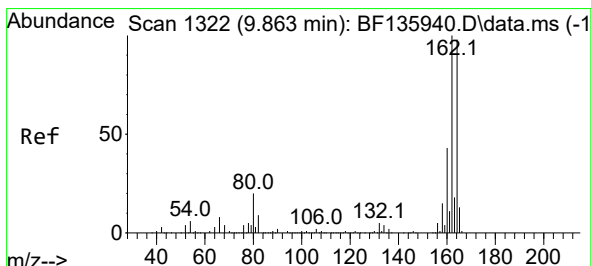
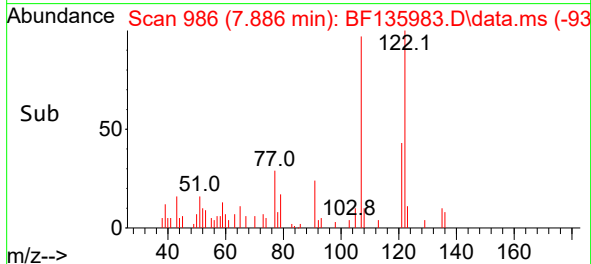
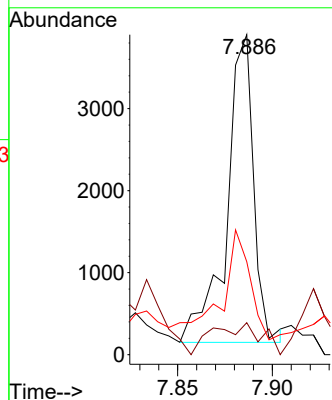
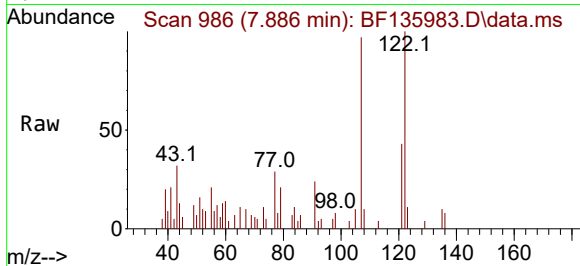




#32
Benzoic acid
Concen: 7.035 ng
RT: 7.886 min Scan# 91
Delta R.T. 0.017 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

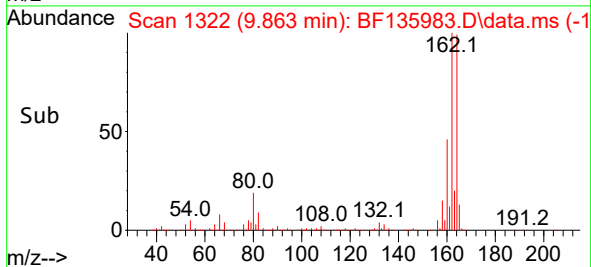
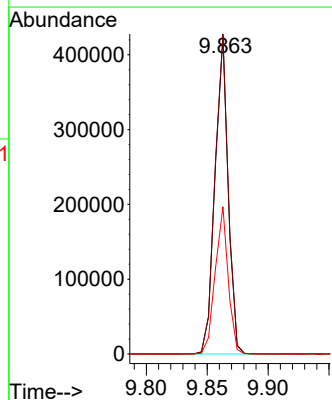
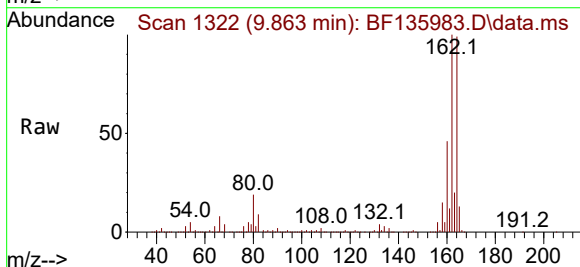
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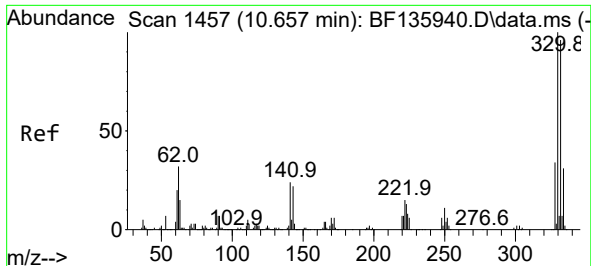
Tgt Ion:122 Resp: 3702
Ion Ratio Lower Upper
122 100
105 10.0 113.1 153.1#
77 29.1 75.2 115.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

Tgt Ion:164 Resp: 318743
Ion Ratio Lower Upper
164 100
162 100.7 82.0 123.0
160 46.3 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 158.461 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.000 min

Lab File: BF135983.D

Acq: 27 Oct 2023 14:25

Instrument :

BNA_F

ClientSampleId :

EB-1

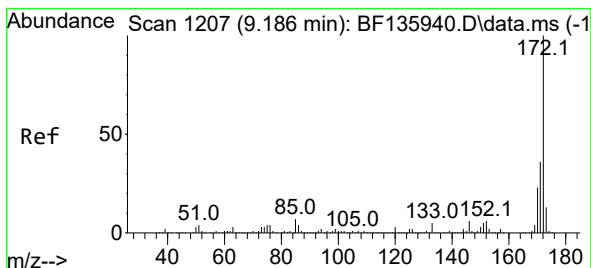
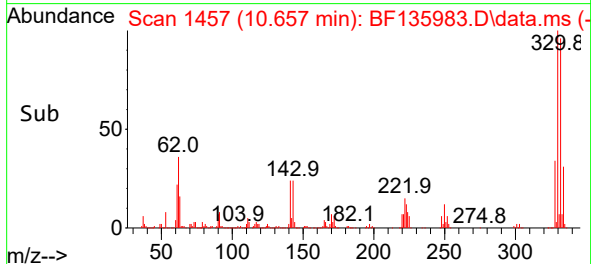
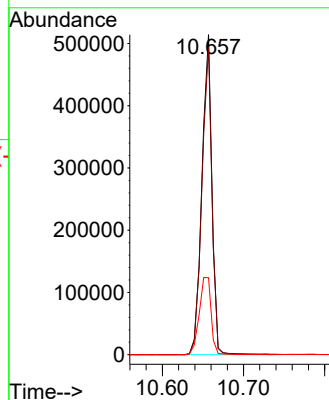
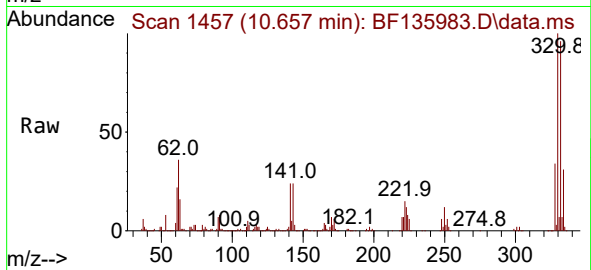
Tgt Ion:330 Resp: 442098

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

141 28.5 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 88.231 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF135983.D

Acq: 27 Oct 2023 14:25

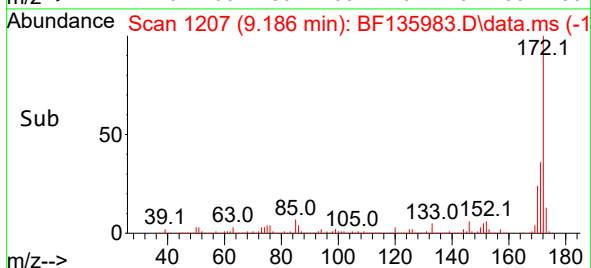
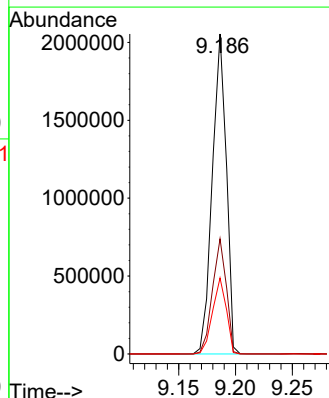
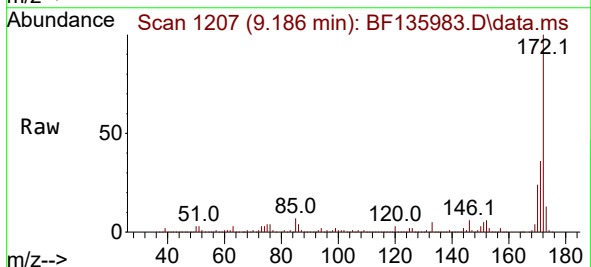
Tgt Ion:172 Resp: 1756315

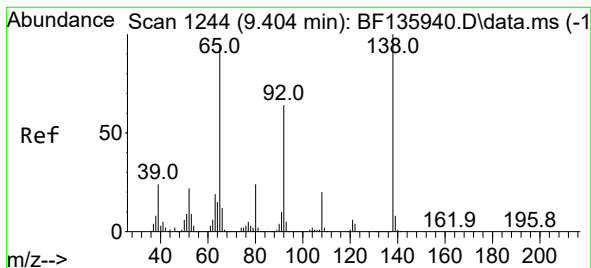
Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

170 23.8 18.6 28.0





#48

2-Nitroaniline

Concen: 4.326 ng

RT: 9.416 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF135983.D

Acq: 27 Oct 2023 14:25

Instrument :

BNA_F

ClientSampleId :

EB-1

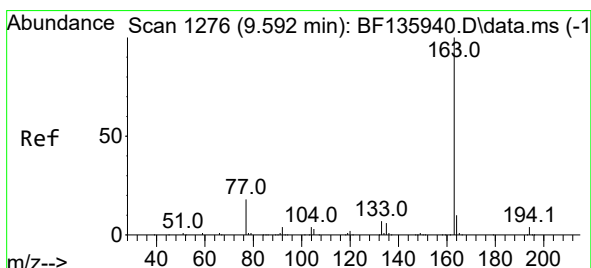
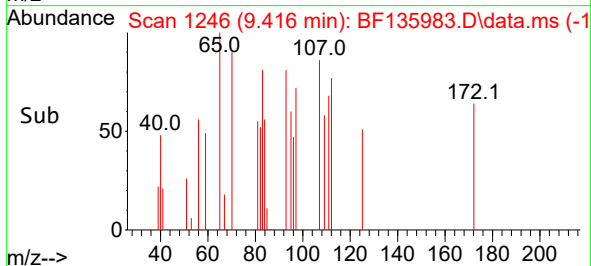
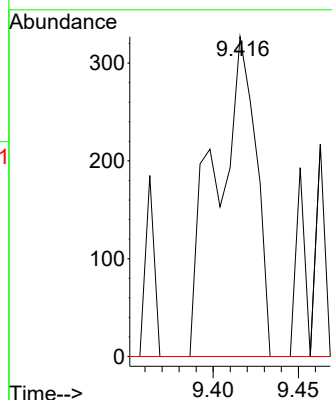
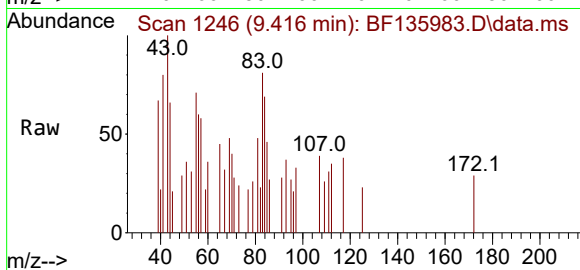
Tgt Ion: 65 Resp: 537

Ion Ratio Lower Upper

65 100

92 0.0 54.9 82.3#

138 0.0 85.2 127.8#



#50

Dimethylphthalate

Concen: 3.169 ng

RT: 9.863 min Scan# 1322

Delta R.T. 0.271 min

Lab File: BF135983.D

Acq: 27 Oct 2023 14:25

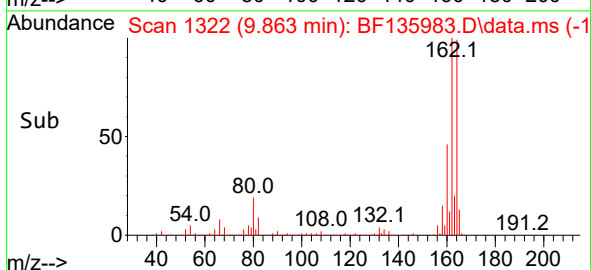
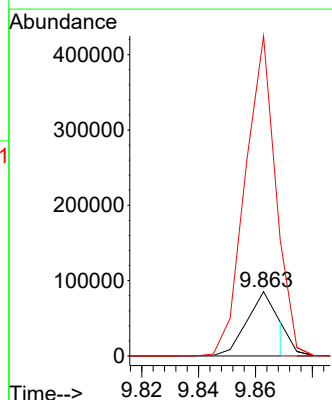
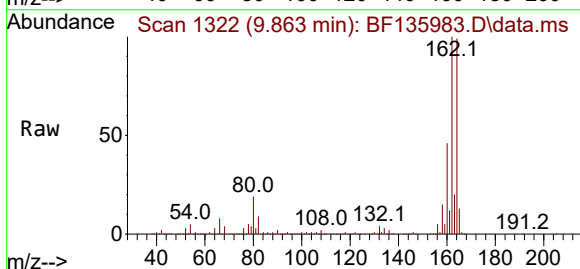
Tgt Ion: 163 Resp: 65506

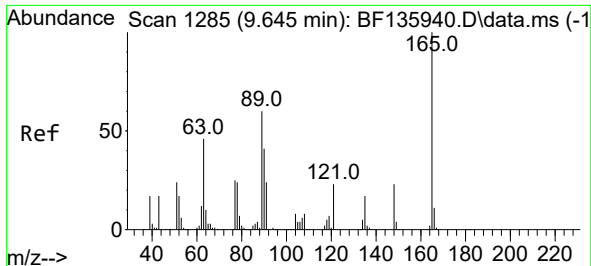
Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.0#

164 497.9 8.3 12.5#

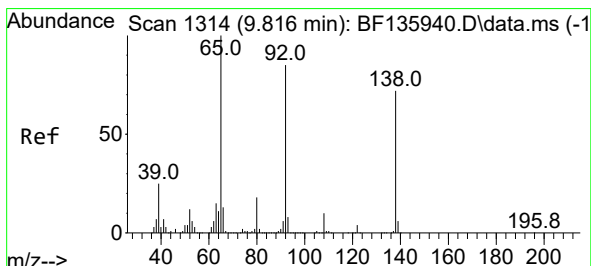
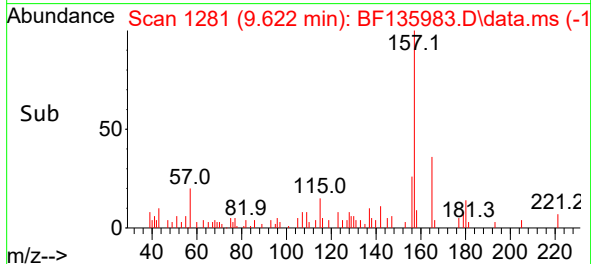
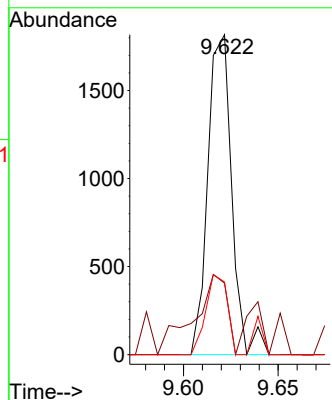
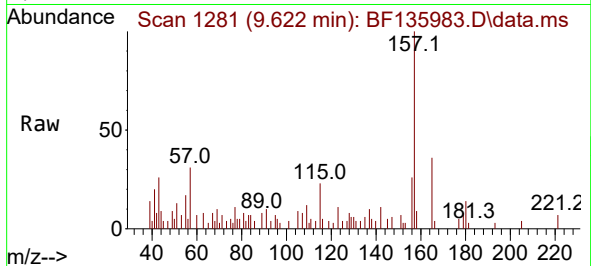




#51
2,6-Dinitrotoluene
Concen: 5.198 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

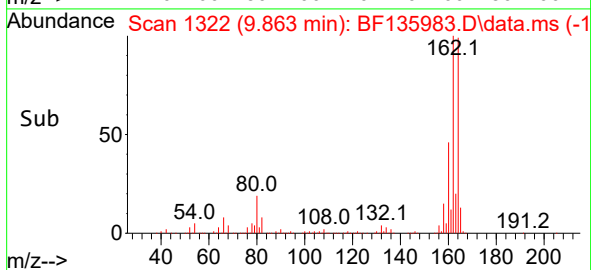
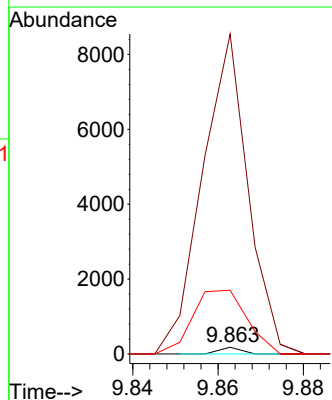
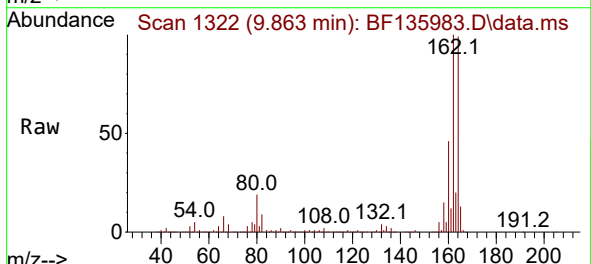
Instrument :
BNA_F
ClientSampleId :
EB-1

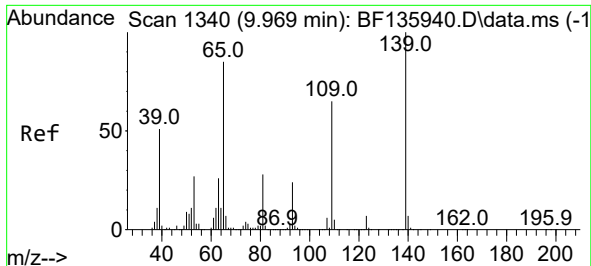
Tgt Ion:165 Resp: 1604
Ion Ratio Lower Upper
165 100
63 22.3 51.7 77.5#
89 22.7 48.3 72.5#



#53
3-Nitroaniline
Concen: 4.573 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.047 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

Tgt Ion:138 Resp: 63
Ion Ratio Lower Upper
138 100
108 4802.2 11.3 16.9#
92 956.7 95.0 142.6#

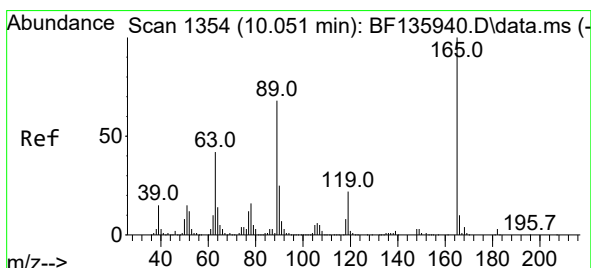
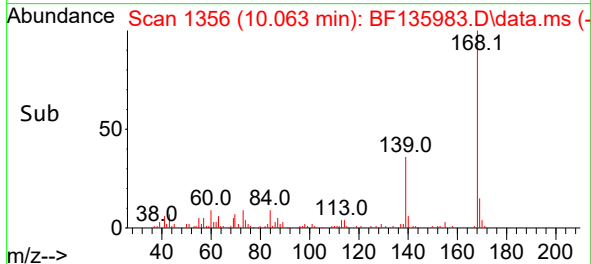
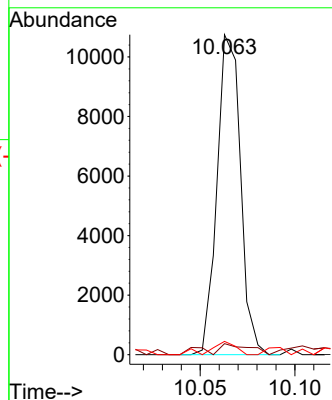
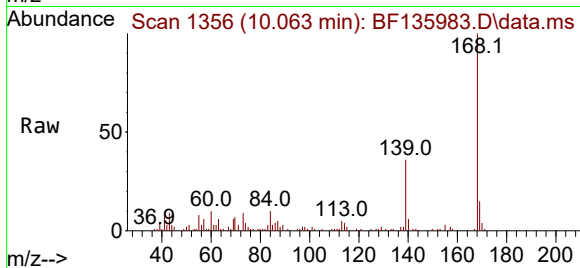




#56
4-Nitrophenol
Concen: 8.233 ng
RT: 10.063 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

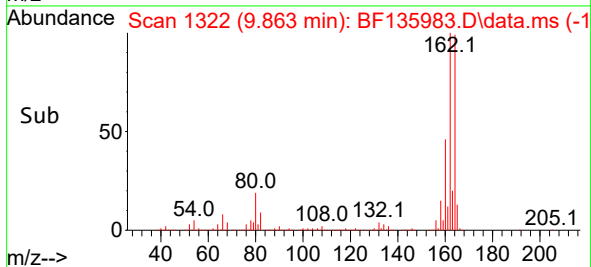
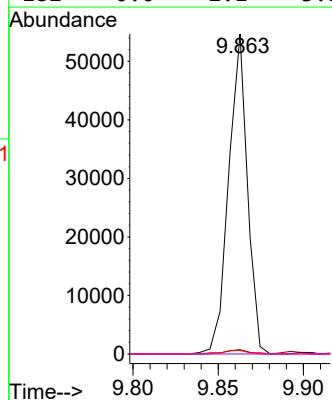
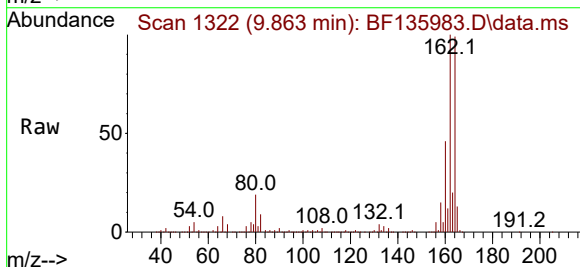
Instrument :
BNA_F
ClientSampleId :
EB-1

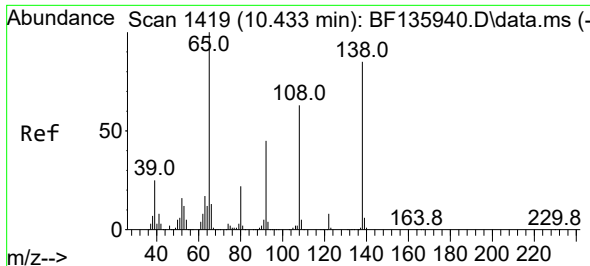
Tgt Ion:139 Resp: 9259
Ion Ratio Lower Upper
139 100
109 3.4 45.2 85.2#
65 4.1 65.1 105.1#



#57
2,4-Dinitrotoluene
Concen: 12.772 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.188 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

Tgt Ion:165 Resp: 41924
Ion Ratio Lower Upper
165 100
63 1.3 33.7 50.5#
89 1.1 54.6 81.8#
182 0.0 2.1 3.1#

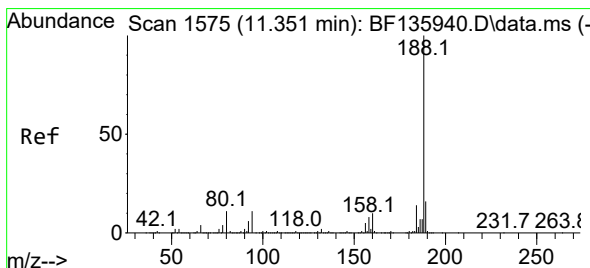
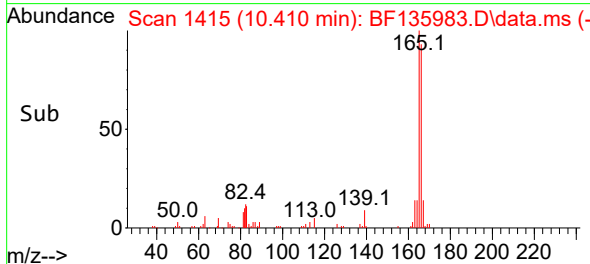
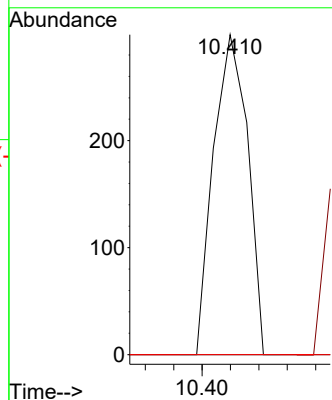
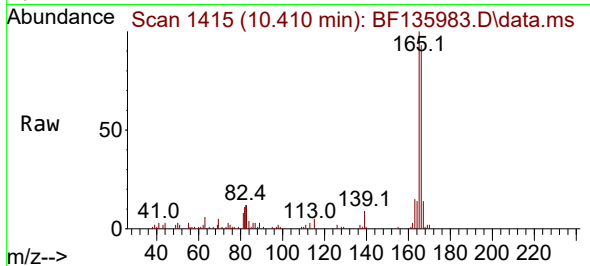




#62
4-Nitroaniline
Concen: 4.694 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.023 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

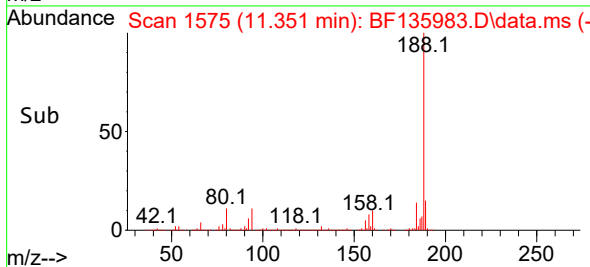
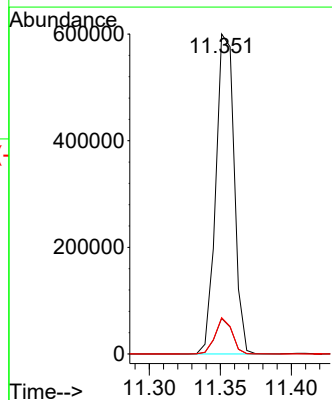
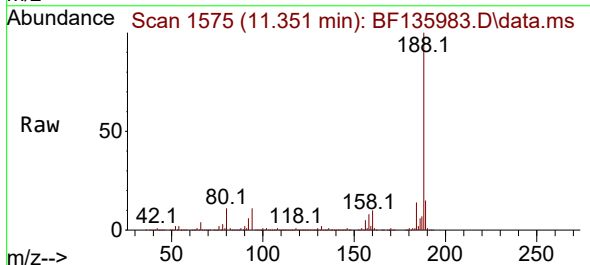
Instrument :
BNA_F
ClientSampleId :
EB-1

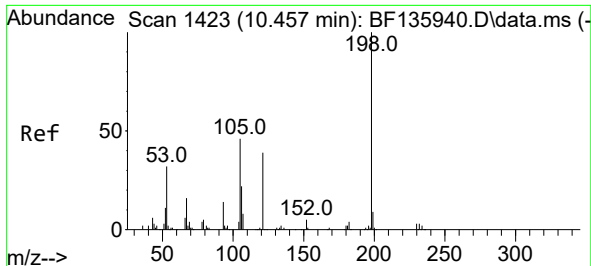
Tgt Ion:138 Resp: 250
Ion Ratio Lower Upper
138 100
92 0.0 32.9 72.9#
108 0.0 53.5 93.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

Tgt Ion:188 Resp: 538007
Ion Ratio Lower Upper
188 100
94 11.1 8.6 13.0
80 11.3 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.501 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.194 min

Lab File: BF135983.D

Acq: 27 Oct 2023 14:25

Instrument :

BNA_F

ClientSampleId :

EB-1

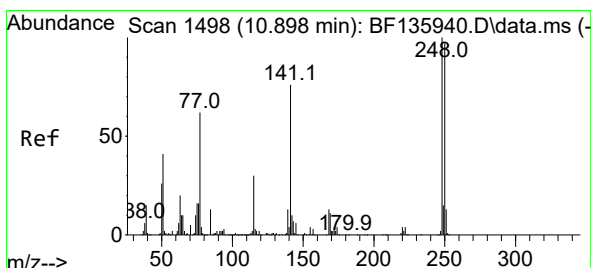
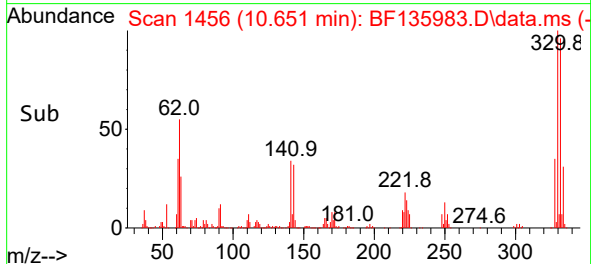
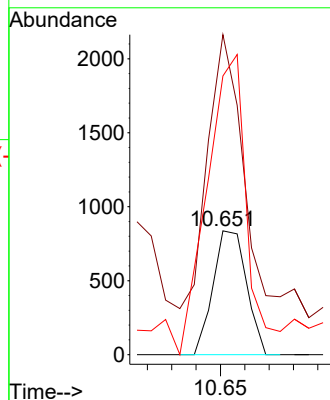
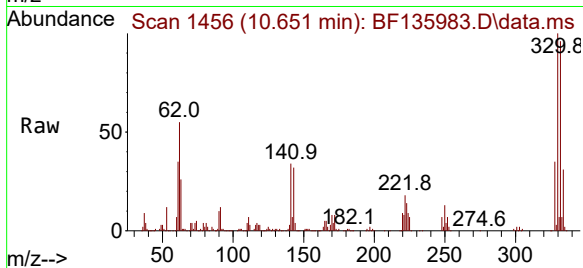
Tgt Ion:198 Resp: 799

Ion Ratio Lower Upper

198 100

51 258.4 28.7 68.7#

105 225.1 27.2 67.2#



#67

4-Bromophenyl-phenylether

Concen: 4.891 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.241 min

Lab File: BF135983.D

Acq: 27 Oct 2023 14:25

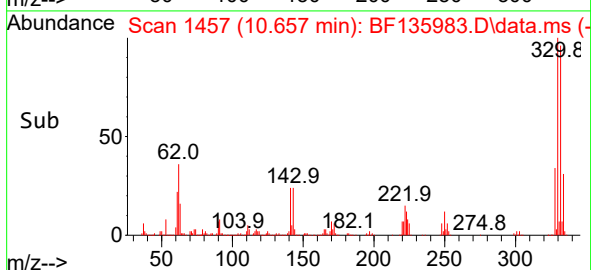
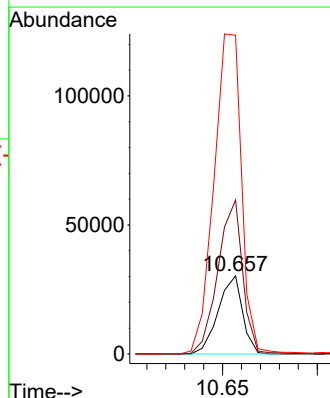
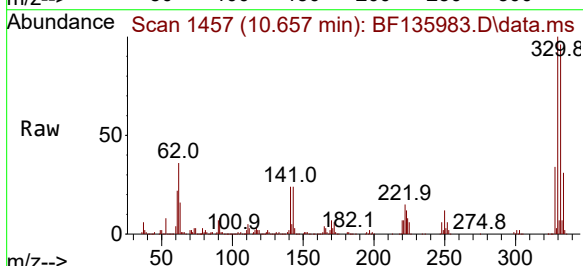
Tgt Ion:248 Resp: 26947

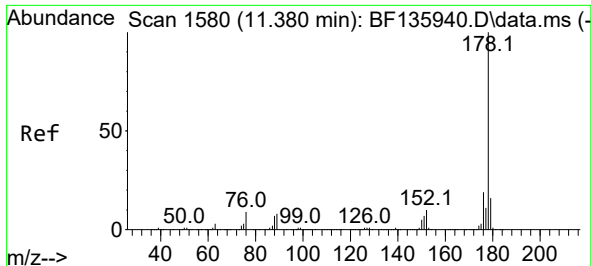
Ion Ratio Lower Upper

248 100

250 197.1 77.9 116.9#

141 408.3 60.8 91.2#

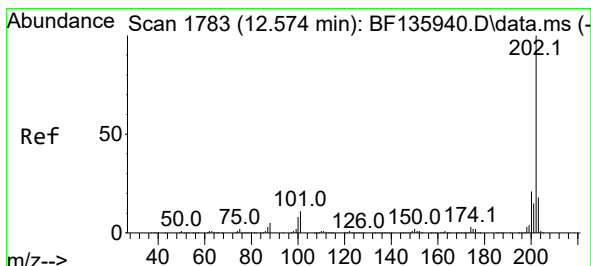
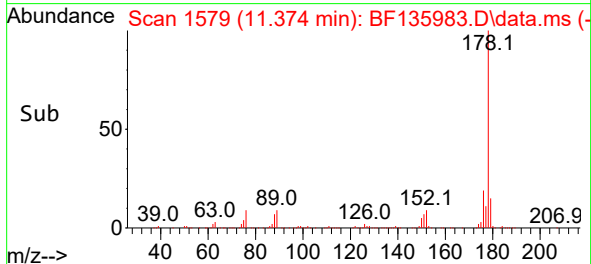
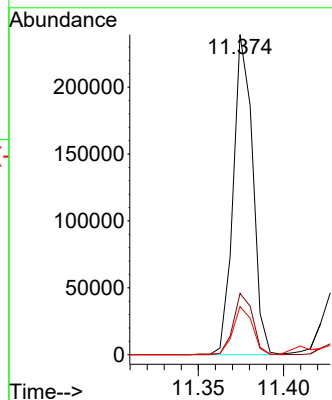
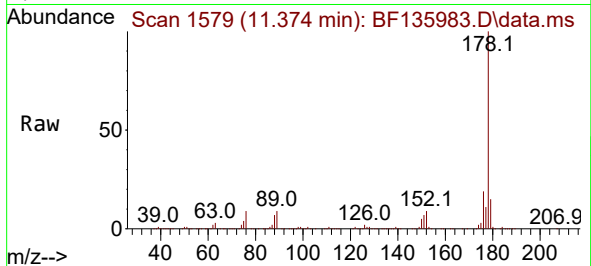




#71
Phenanthrene
Concen: 6.971 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

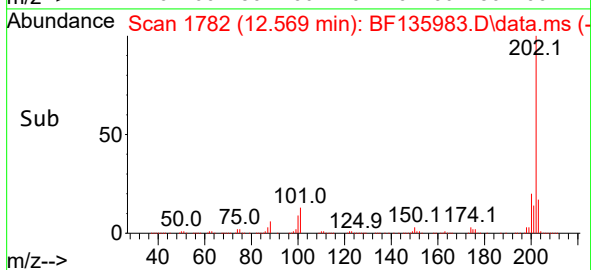
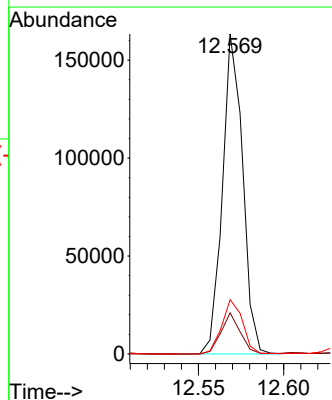
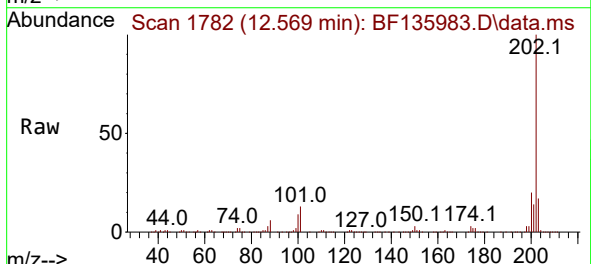
Instrument :
BNA_F
ClientSampleId :
EB-1

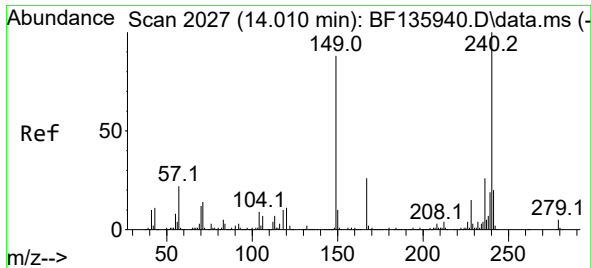
Tgt Ion:178 Resp: 189757
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.1 12.5 18.7



#75
Fluoranthene
Concen: 4.704 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

Tgt Ion:202 Resp: 134697
Ion Ratio Lower Upper
202 100
101 12.9 0.0 30.6
203 17.0 0.0 37.5

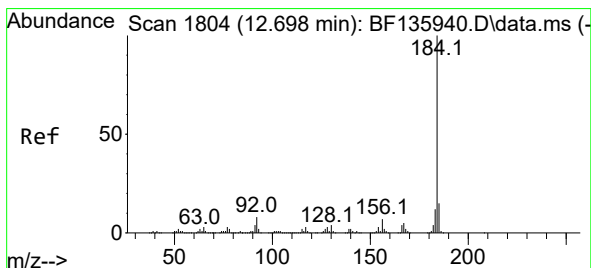
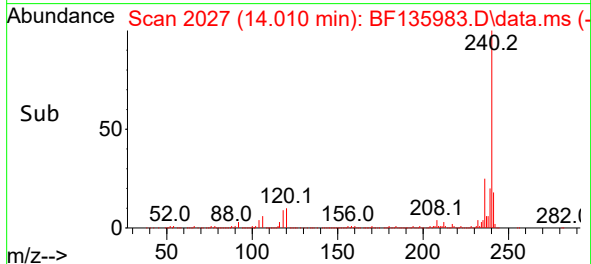
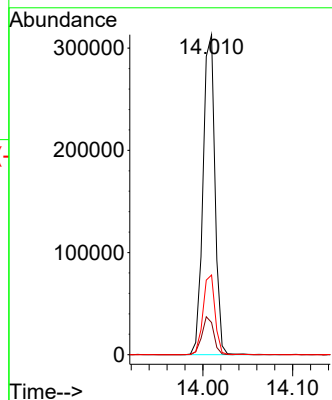
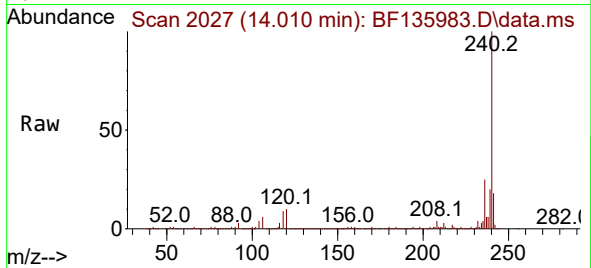




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

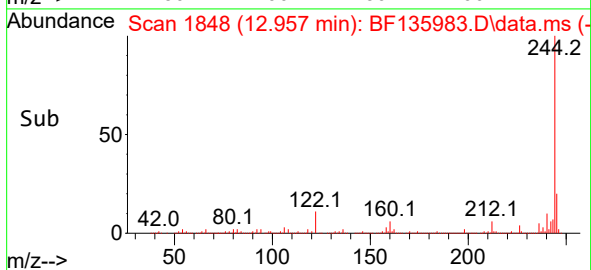
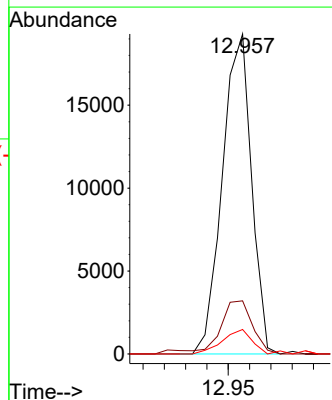
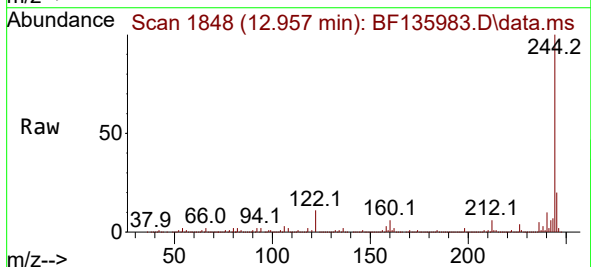
Instrument :
BNA_F
ClientSampleId :
EB-1

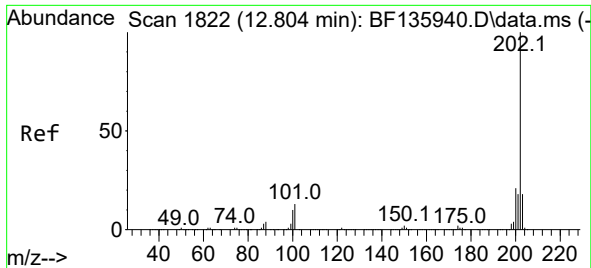
Tgt Ion:240 Resp: 289180
Ion Ratio Lower Upper
240 100
120 10.0 8.6 13.0
236 24.9 20.6 30.8



#77
Benzidine
Concen: 3.288 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.259 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

Tgt Ion:184 Resp: 18333
Ion Ratio Lower Upper
184 100
185 16.6 11.7 17.5
183 7.6 9.2 13.8#

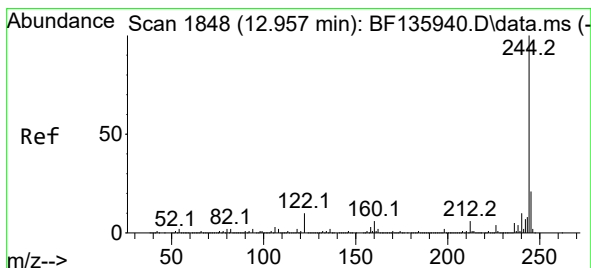
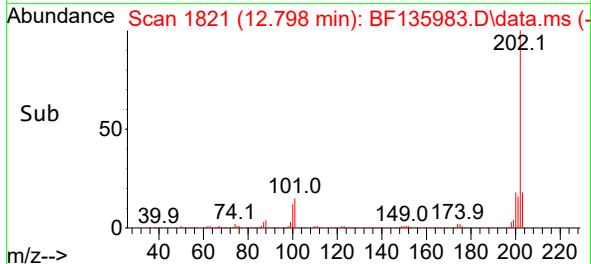
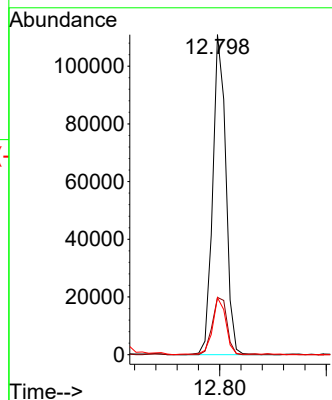
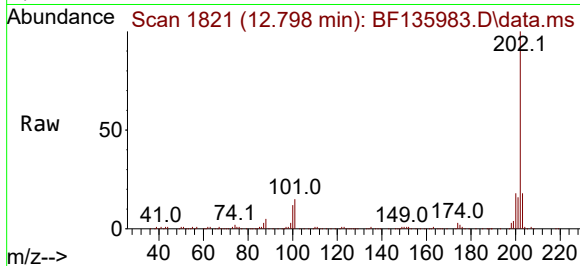




#78
Pyrene
Concen: 3.901 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

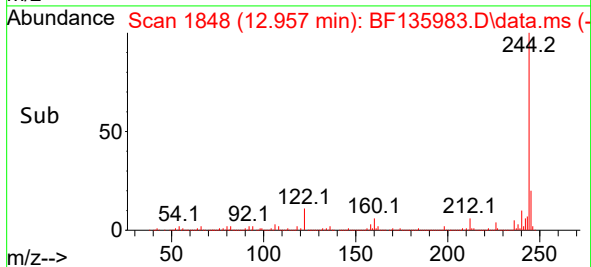
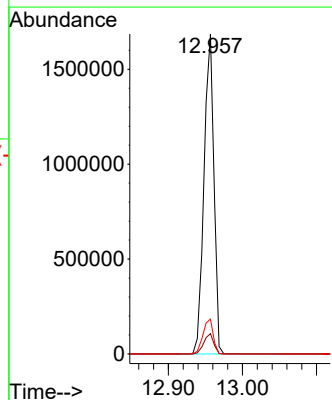
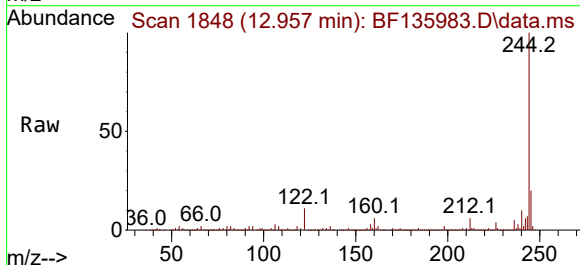
Instrument :
BNA_F
ClientSampleId :
EB-1

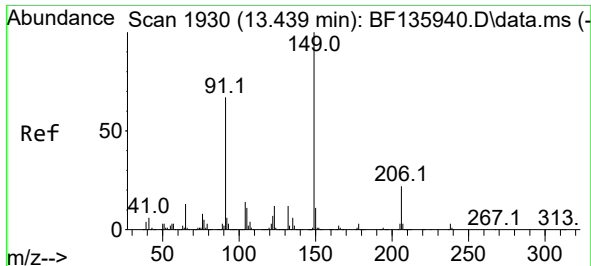
Tgt Ion:202 Resp: 94716
Ion Ratio Lower Upper
202 100
200 17.9 17.0 25.6
203 17.8 14.5 21.7



#79
Terphenyl-d14
Concen: 90.991 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.000 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

Tgt Ion:244 Resp: 1574877
Ion Ratio Lower Upper
244 100
212 6.4 5.0 7.6
122 10.9 8.0 12.0

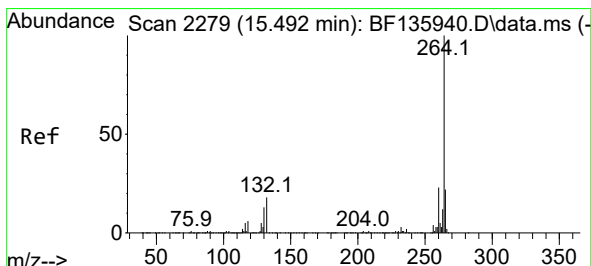
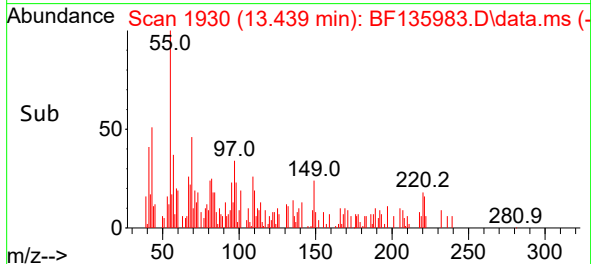
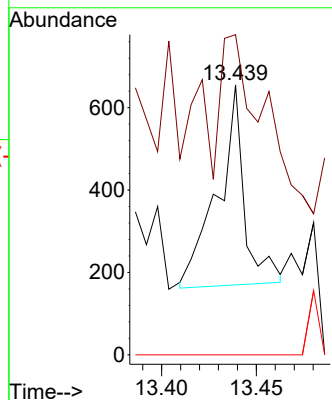
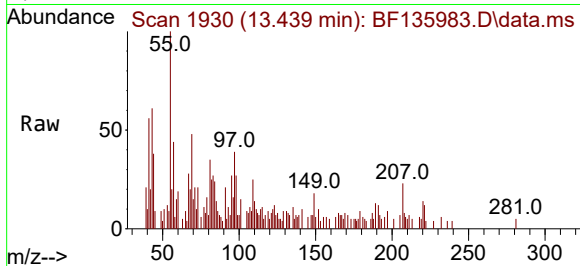




#80
Butylbenzylphthalate
Concen: 3.875 ng
RT: 13.439 min Scan# 1930
Delta R.T. 0.000 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

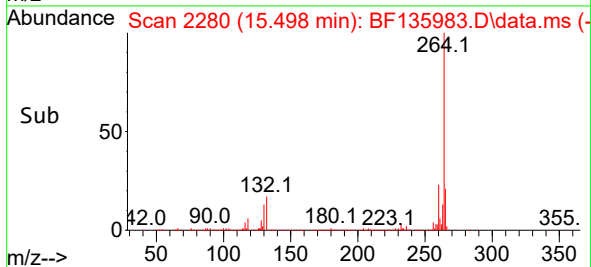
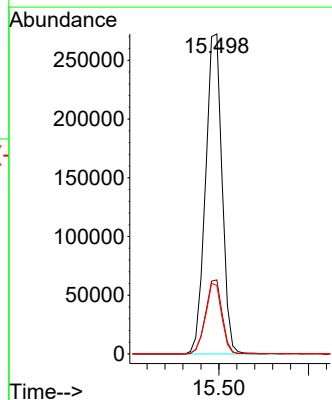
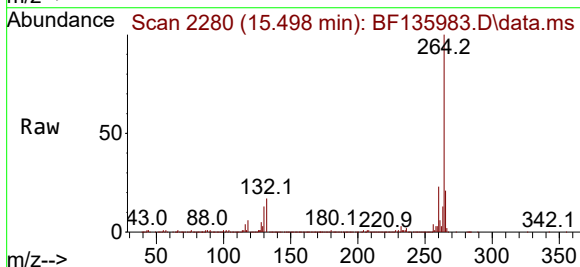
Instrument :
BNA_F
ClientSampleId :
EB-1

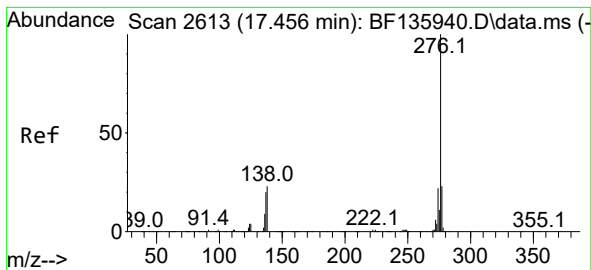
Tgt Ion:149 Resp: 476
Ion Ratio Lower Upper
149 100
91 118.6 53.4 80.0#
206 0.0 17.5 26.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF135983.D
Acq: 27 Oct 2023 14:25

Tgt Ion:264 Resp: 348070
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 21.4 17.3 25.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.870 ng
 RT: 17.445 min Scan# 20
 Delta R.T. -0.011 min
 Lab File: BF135983.D
 Acq: 27 Oct 2023 14:25

Instrument :
 BNA_F
 ClientSampleId :
 EB-1

Tgt Ion:	276	Resp:	2332
Ion	Ratio	Lower	Upper
276	100		
277	41.7	18.6	28.0#
138	23.8	18.4	27.6

