

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102523\
 Data File : BF135945.D
 Acq On : 25 Oct 2023 17:20
 Operator : CG\JU
 Sample : PB156430BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB156430BL

Quant Time: Oct 26 04:30:15 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)

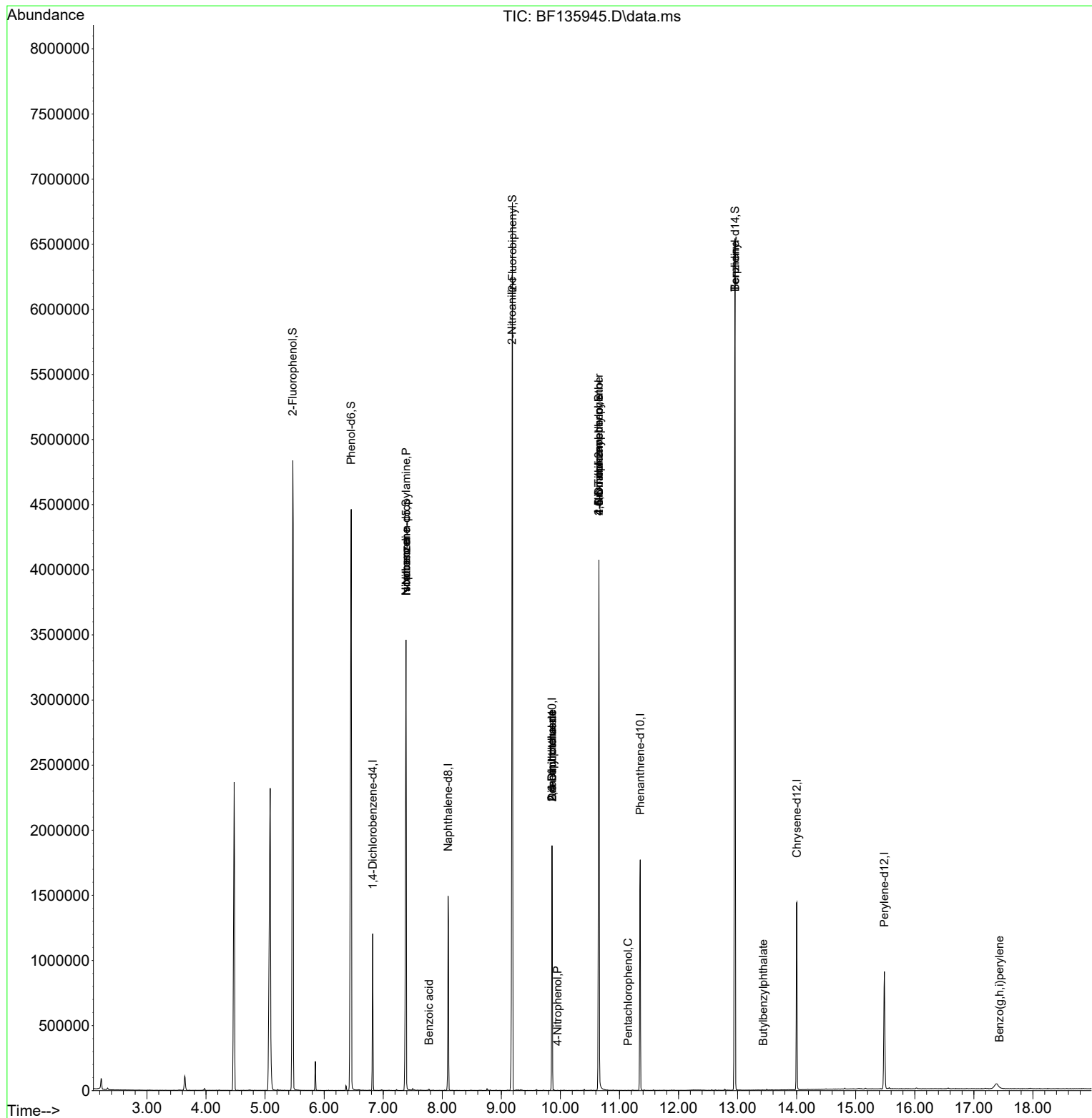
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	156904	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	654487	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	336534	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	637011	20.000	ng	0.00
76) Chrysene-d12	14.004	240	491812	20.000	ng	0.00
86) Perylene-d12	15.486	264	407432	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1725969	169.861	ng	0.02
7) Phenol-d6	6.457	99	2135340	168.799	ng	0.00
23) Nitrobenzene-d5	7.387	82	1199074	114.474	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	560616	190.319	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	2143206	101.975	ng	0.00
79) Terphenyl-d14	12.957	244	2622332	89.085	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.387	70	159642	22.192	ng	# 77
24) Nitrobenzene	7.387	77	4230	2.951	ng	# 31
25) Isophorone	7.387	82	1198529	57.934	ng	# 64
32) Benzoic acid	7.775	122	1900	6.384	ng	# 88
48) 2-Nitroaniline	9.181	65	3371	4.904	ng	# 1
50) Dimethylphthalate	9.857	163	67574	3.096	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	43181	13.439	ng	# 20
56) 4-Nitrophenol	9.951	139	189	6.224	ng	# 53
57) 2,4-Dinitrotoluene	9.857	165	43181	12.602	ng	# 26
62) 4-Nitroaniline	10.651	138	53	4.658	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.651	198	1212	7.664	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	34924	5.353	ng	# 1
70) Pentachlorophenol	11.145	266	68	4.239	ng	# 19
77) Benzidine	12.957	184	31791	3.352	ng	# 92
80) Butylbenzylphthalate	13.433	149	368	3.849	ng	# 85
92) Benzo(g,h,i)perylene	17.433	276	697	3.786	ng	# 52

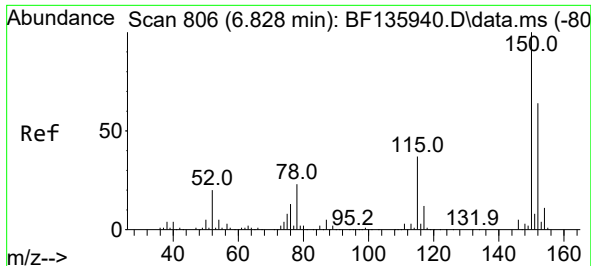
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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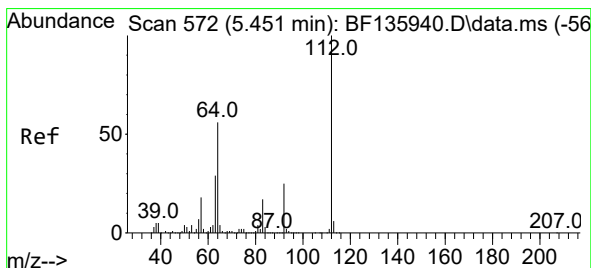
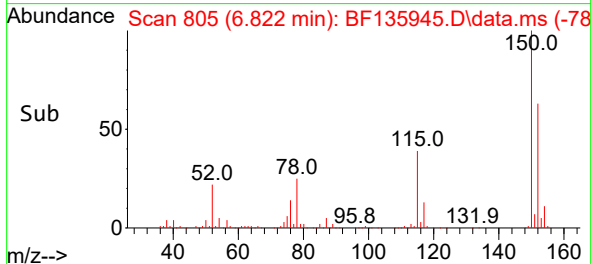
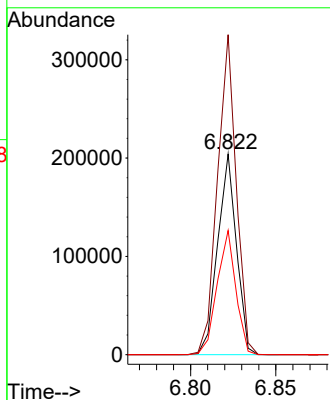
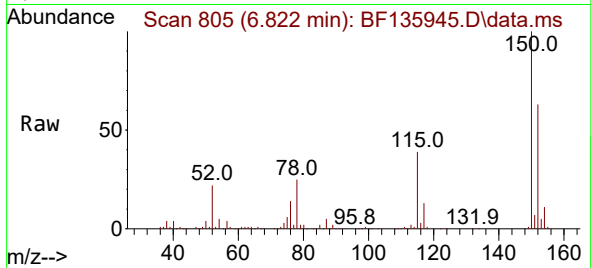




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

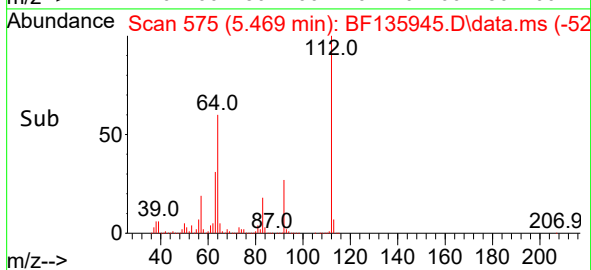
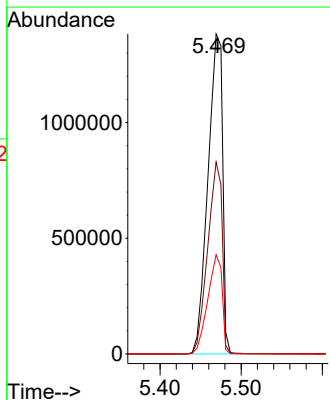
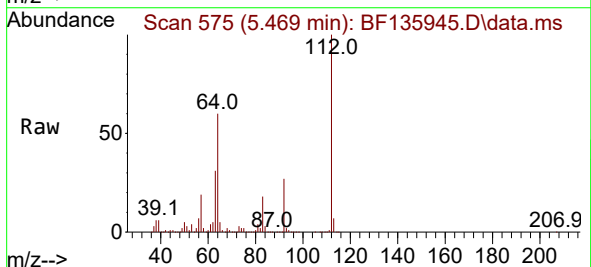
Instrument :
BNA_F
ClientSampleId :
PB156430BL

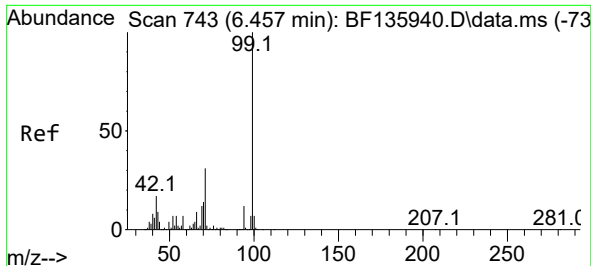
Tgt Ion:152 Resp: 156904
Ion Ratio Lower Upper
152 100
150 159.5 124.6 186.8
115 61.9 46.6 69.8



#5
2-Fluorophenol
Concen: 169.861 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.018 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

Tgt Ion:112 Resp: 1725969
Ion Ratio Lower Upper
112 100
64 60.0 45.1 67.7
63 31.0 23.0 34.4



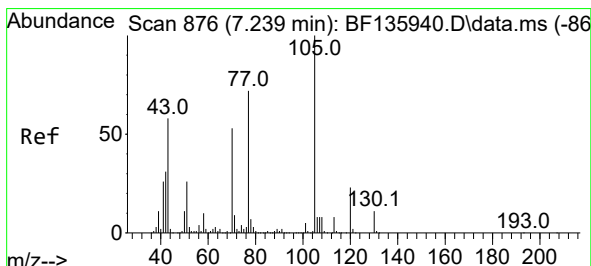
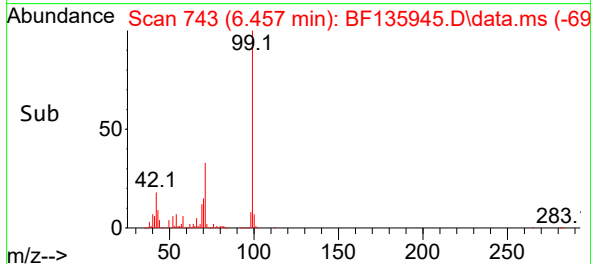
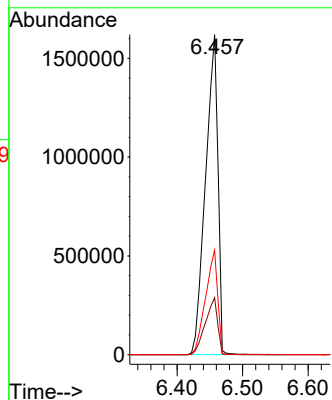
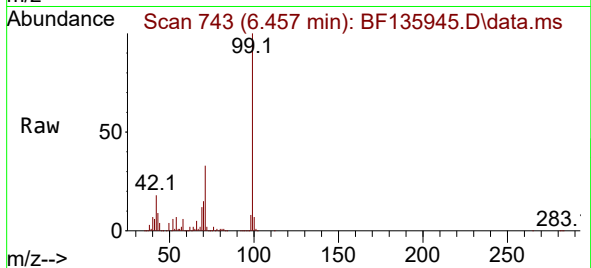


#7
Phenol-d6
Concen: 168.799 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

Instrument :
BNA_F
ClientSampleId :
PB156430BL

Tgt Ion: 99 Resp: 2135340

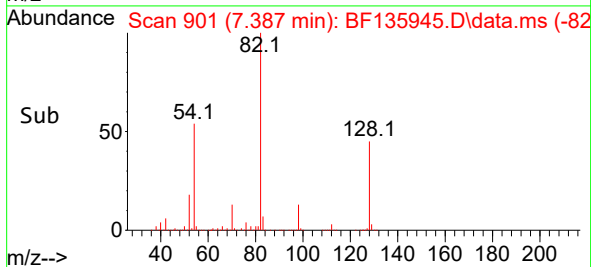
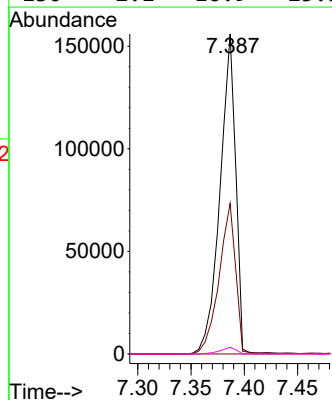
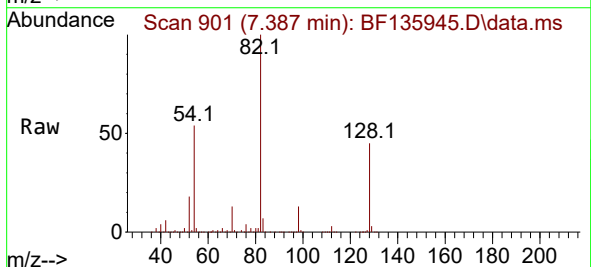
Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.8	20.8
71	32.6	25.1	37.7

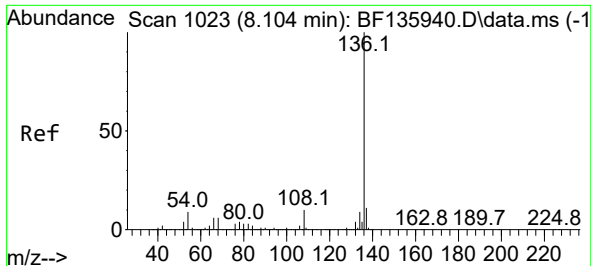


#19
n-Nitroso-di-n-propylamine
Concen: 22.192 ng
RT: 7.387 min Scan# 901
Delta R.T. 0.147 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

Tgt Ion: 70 Resp: 159642

Ion	Ratio	Lower	Upper
70	100		
42	47.1	47.3	70.9#
101	0.0	7.8	11.8#
130	2.1	16.9	25.3#

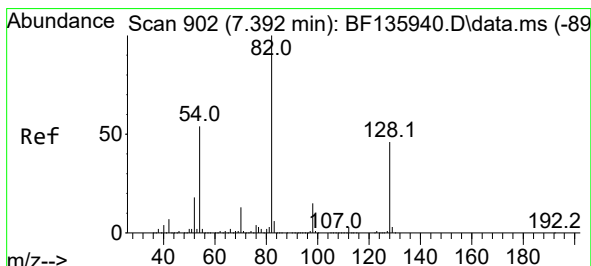
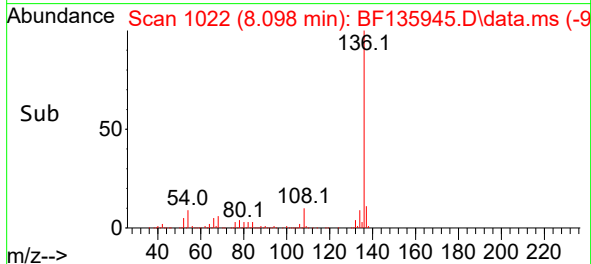
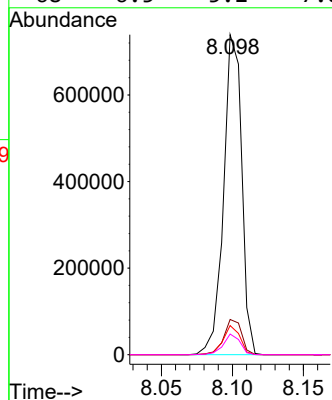
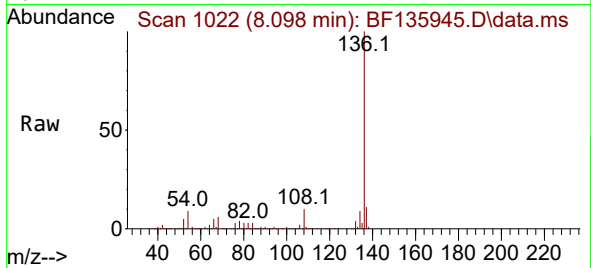




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

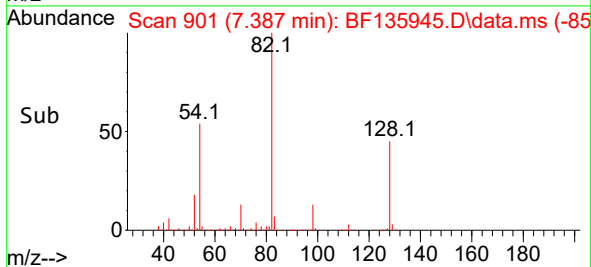
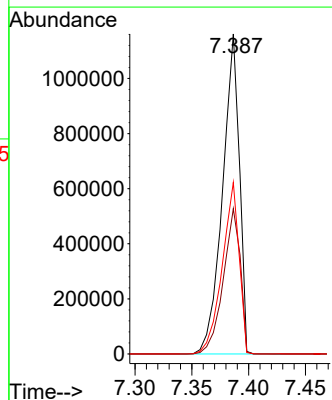
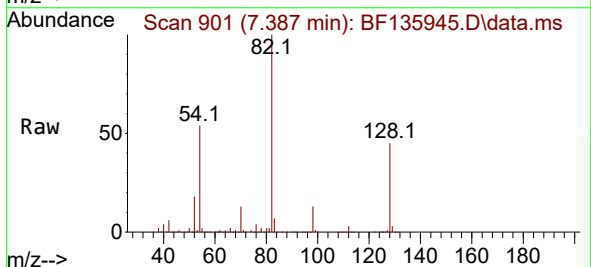
Instrument :
BNA_F
ClientSampleId :
PB156430BL

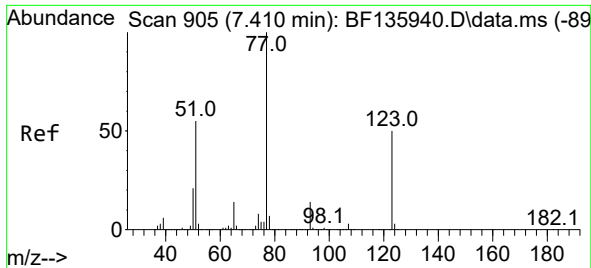
Tgt Ion:136 Resp: 654487
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 9.1 7.1 10.7
68 6.5 5.2 7.8



#23
Nitrobenzene-d5
Concen: 114.474 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.005 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

Tgt Ion: 82 Resp: 1199074
Ion Ratio Lower Upper
82 100
128 45.4 36.8 55.2
54 53.6 43.4 65.0

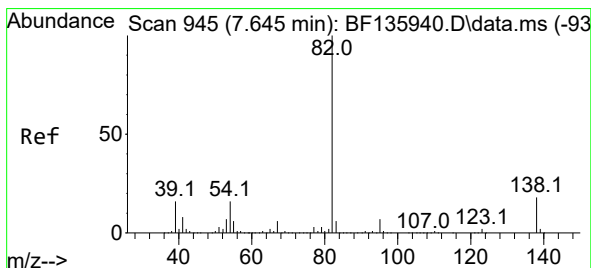
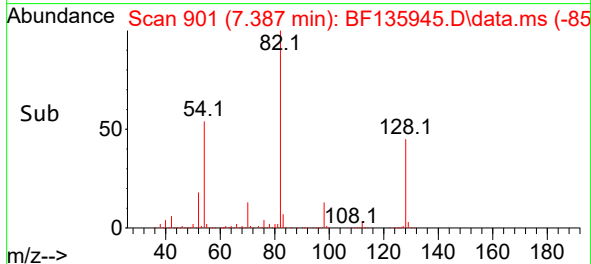
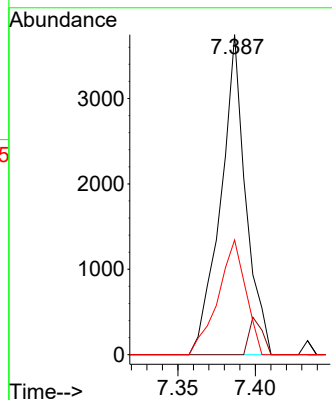
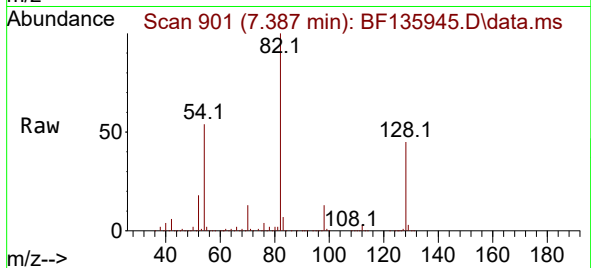




#24
Nitrobenzene
Concen: 2.951 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.023 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

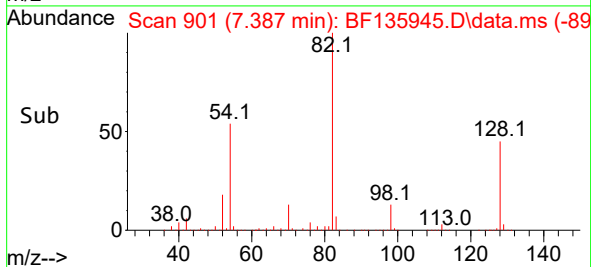
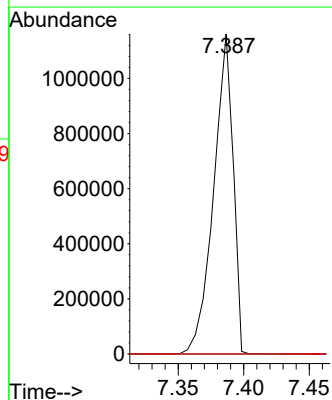
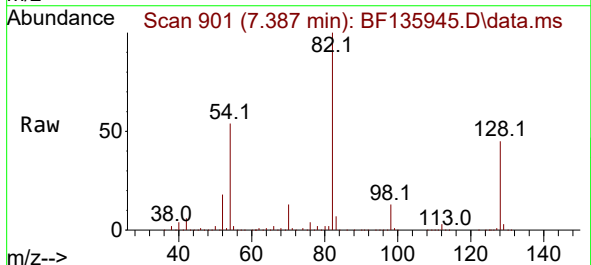
Instrument :
BNA_F
ClientSampleId :
PB156430BL

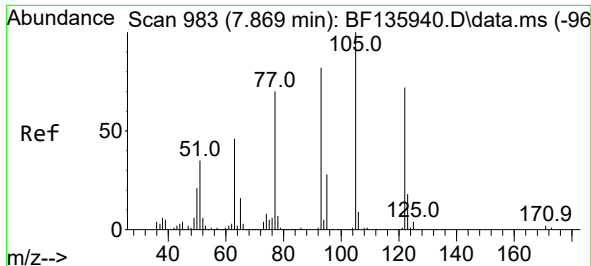
Tgt Ion: 77 Resp: 4230
Ion Ratio Lower Upper
77 100
123 0.0 40.2 60.2#
65 35.8 11.0 16.4#



#25
Isophorone
Concen: 57.934 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

Tgt Ion: 82 Resp: 1198529
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.8 22.2#

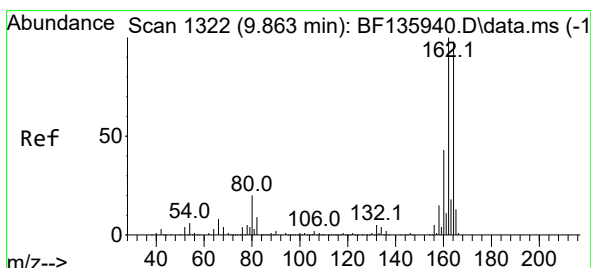
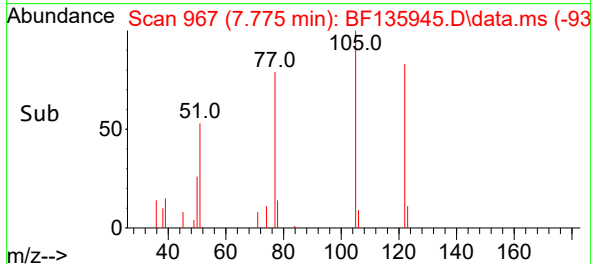
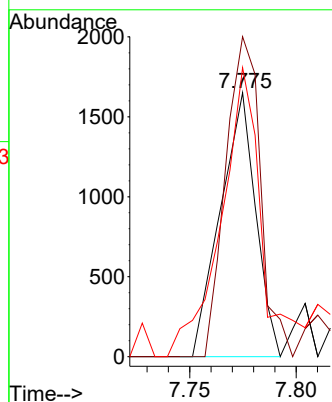
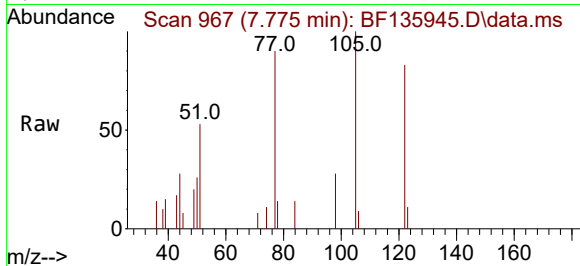




#32
Benzoic acid
Concen: 6.384 ng
RT: 7.775 min Scan# 91
Delta R.T. -0.094 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

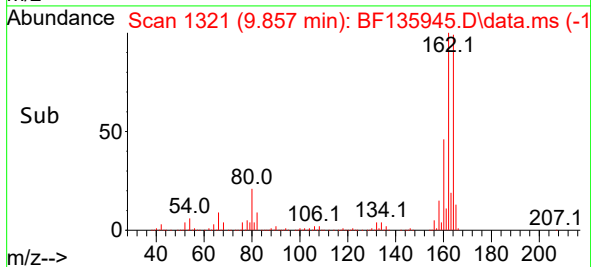
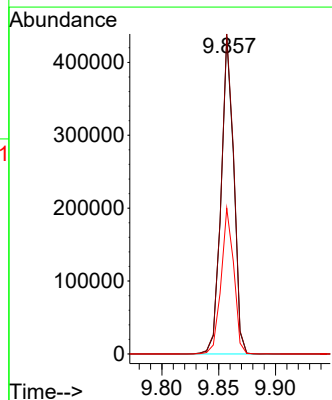
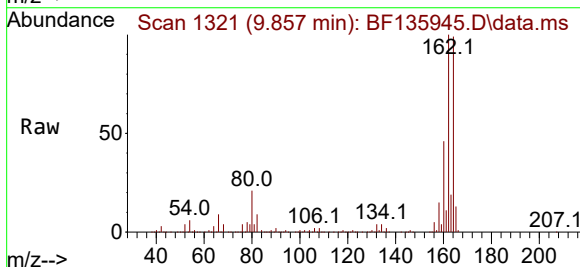
Instrument :
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ClientSampleId :
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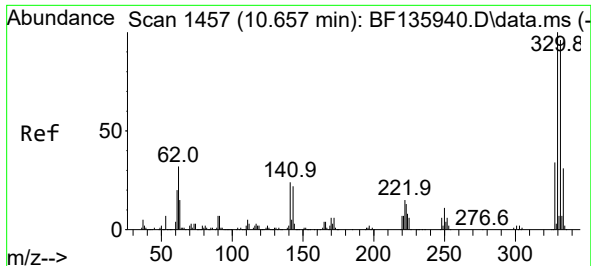
Tgt Ion:122 Resp: 1900
Ion Ratio Lower Upper
122 100
105 121.2 113.1 153.1
77 109.4 75.2 115.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

Tgt Ion:164 Resp: 336534
Ion Ratio Lower Upper
164 100
162 100.9 82.0 123.0
160 46.0 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 190.319 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF135945.D

Acq: 25 Oct 2023 17:20

Instrument :

BNA_F

ClientSampleId :

PB156430BL

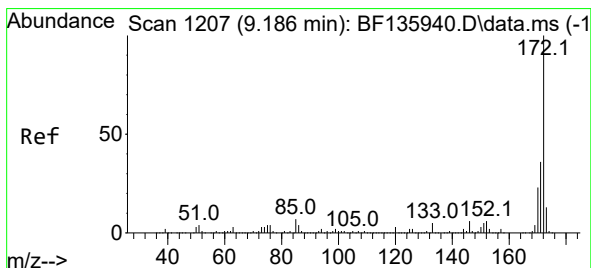
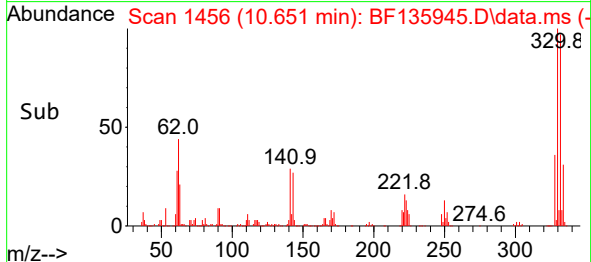
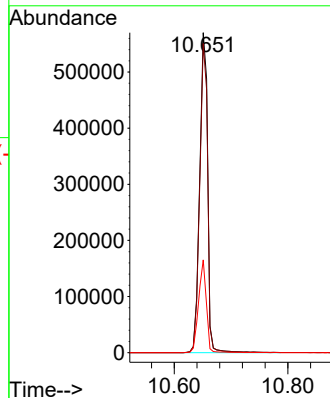
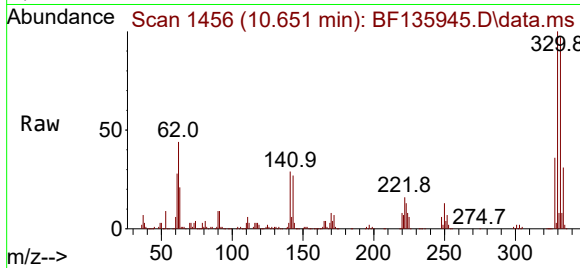
Tgt Ion:330 Resp: 560616

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.2

141 28.3 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 101.975 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF135945.D

Acq: 25 Oct 2023 17:20

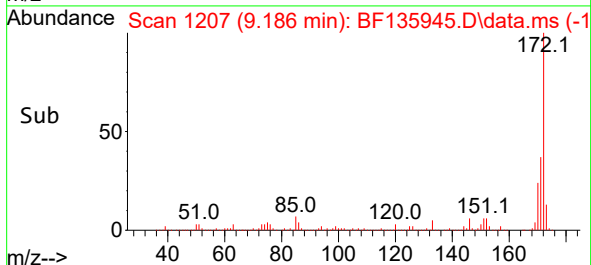
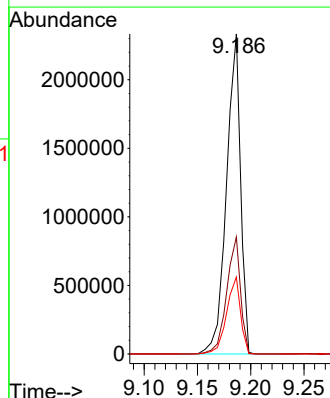
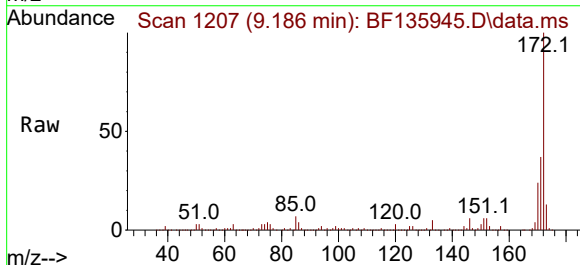
Tgt Ion:172 Resp: 2143206

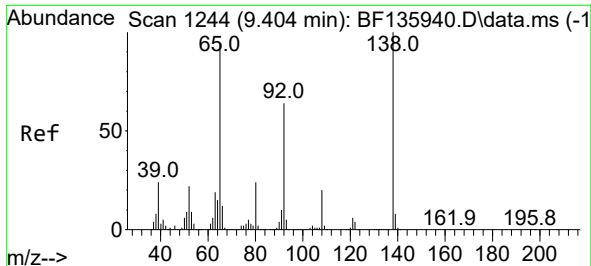
Ion Ratio Lower Upper

172 100

171 36.6 28.6 43.0

170 24.1 18.6 28.0

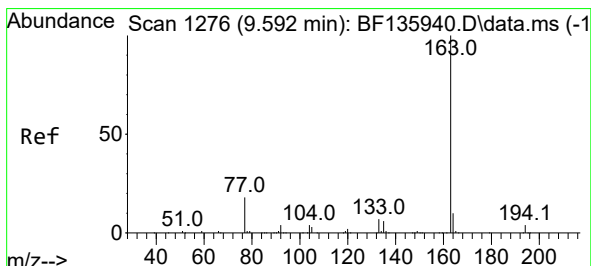
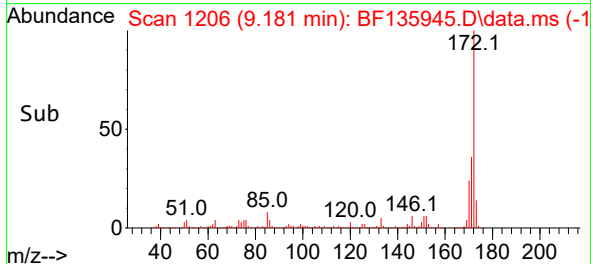
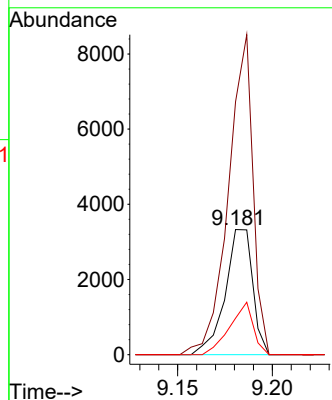
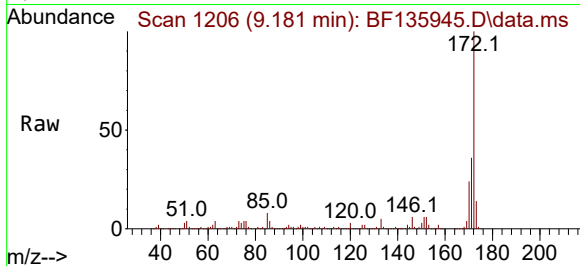




#48
2-Nitroaniline
Concen: 4.904 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.223 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

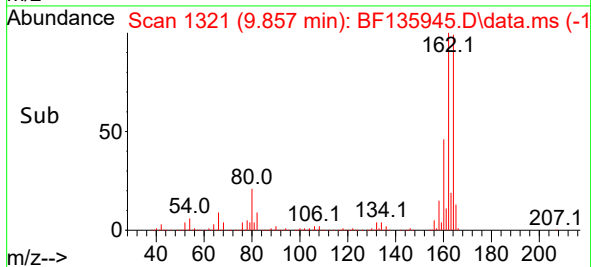
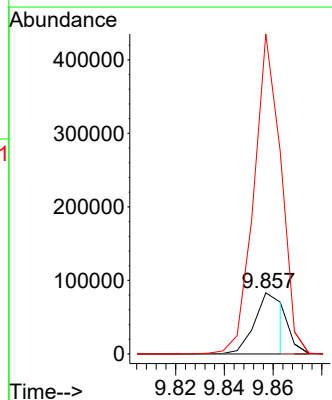
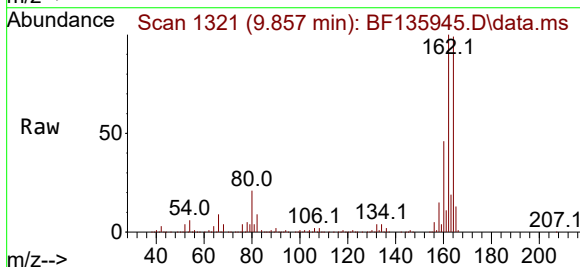
Instrument :
BNA_F
ClientSampleId :
PB156430BL

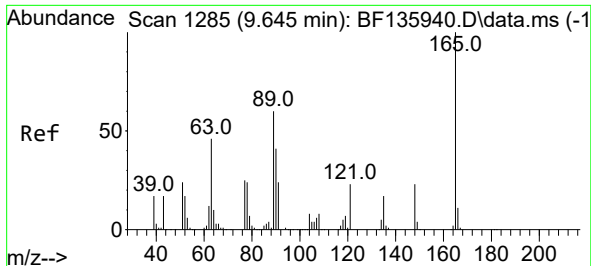
Tgt Ion: 65 Resp: 3371
Ion Ratio Lower Upper
65 100
92 202.1 54.9 82.3#
138 29.1 85.2 127.8#



#50
Dimethylphthalate
Concen: 3.096 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.265 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

Tgt Ion: 163 Resp: 67574
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.0#
164 524.1 8.3 12.5#

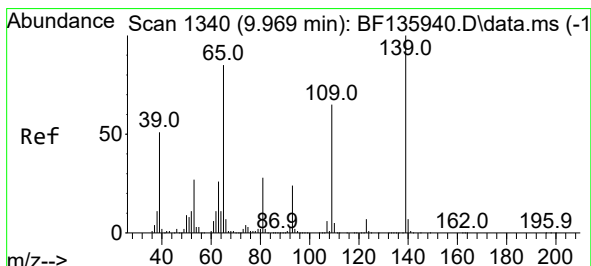
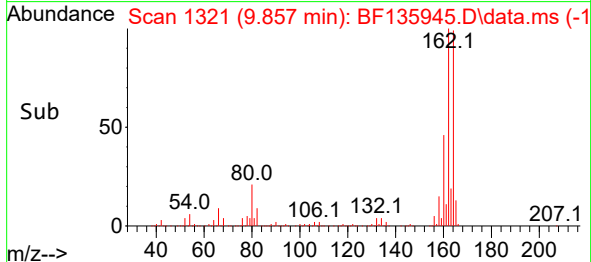
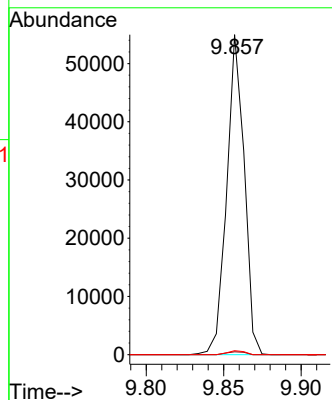
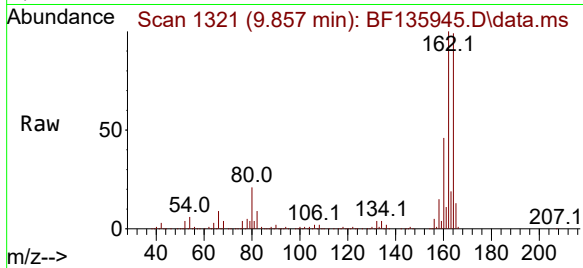




#51
2,6-Dinitrotoluene
Concen: 13.439 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

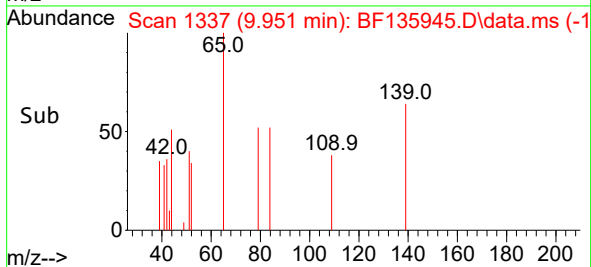
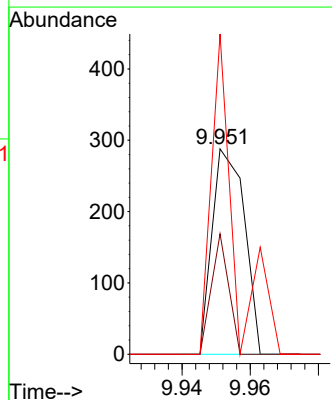
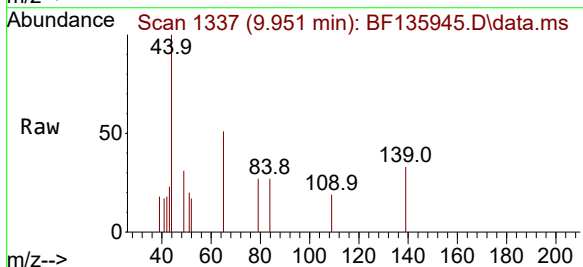
Instrument :
BNA_F
ClientSampleId :
PB156430BL

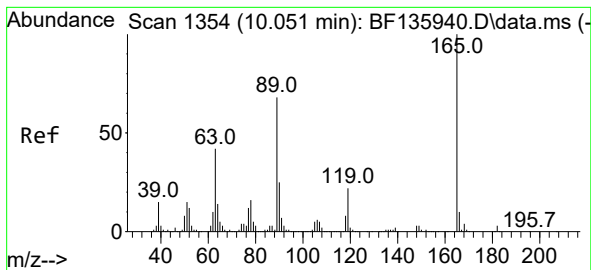
Tgt Ion:165 Resp: 43181
Ion Ratio Lower Upper
165 100
63 0.9 51.7 77.5#
89 1.2 48.3 72.5#



#56
4-Nitrophenol
Concen: 6.224 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.018 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

Tgt Ion:139 Resp: 189
Ion Ratio Lower Upper
139 100
109 58.7 45.2 85.2
65 155.9 65.1 105.1#

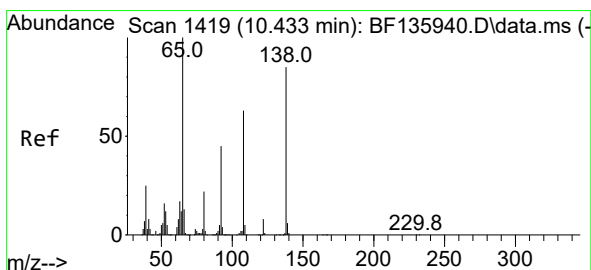
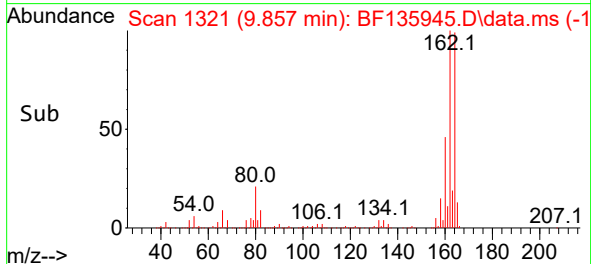
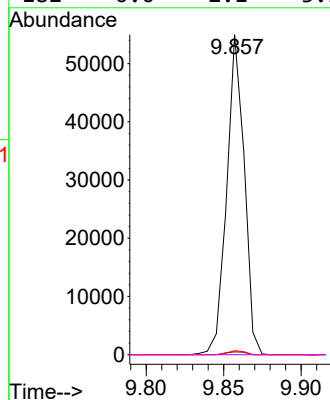
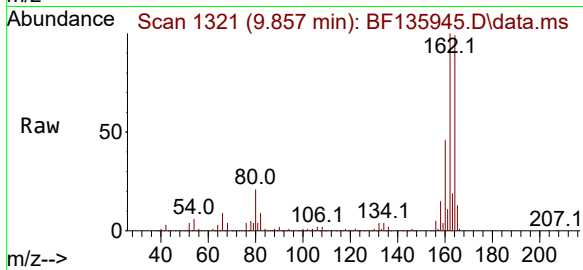




#57
2,4-Dinitrotoluene
Concen: 12.602 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

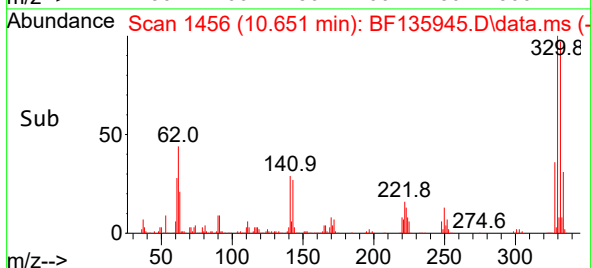
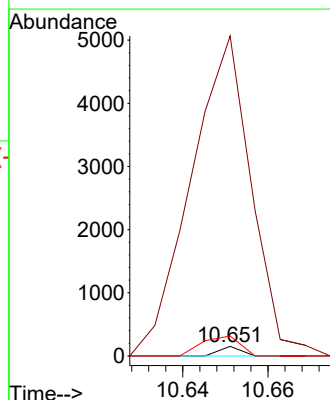
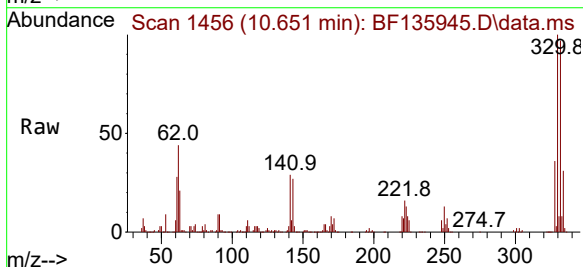
Instrument :
BNA_F
ClientSampleId :
PB156430BL

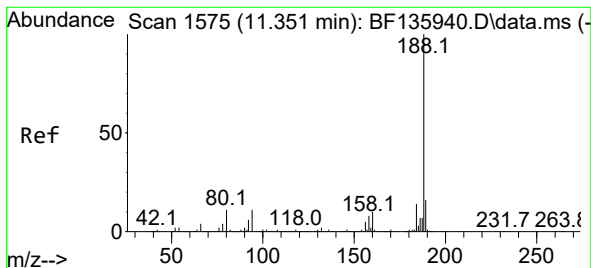
Tgt Ion:165 Resp: 43181
Ion Ratio Lower Upper
165 100
63 0.9 33.7 50.5#
89 1.2 54.6 81.8#
182 0.0 2.1 3.1#



#62
4-Nitroaniline
Concen: 4.658 ng
RT: 10.651 min Scan# 1456
Delta R.T. 0.218 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

Tgt Ion:138 Resp: 53
Ion Ratio Lower Upper
138 100
92 3355.6 32.9 72.9#
108 210.6 53.5 93.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135945.D

Acq: 25 Oct 2023 17:20

Instrument :

BNA_F

ClientSampleId :

PB156430BL

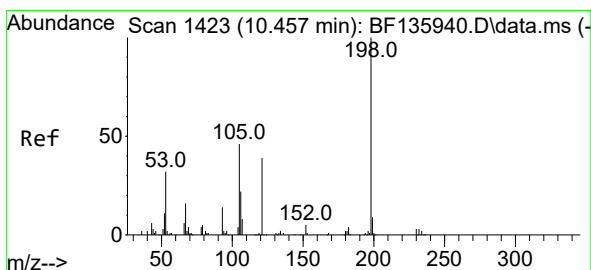
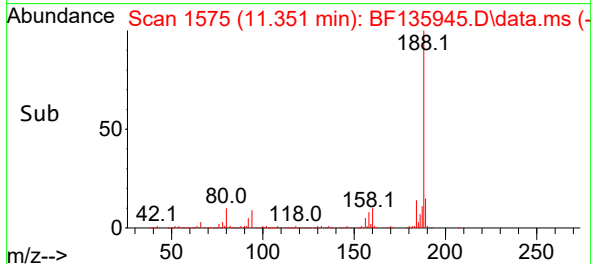
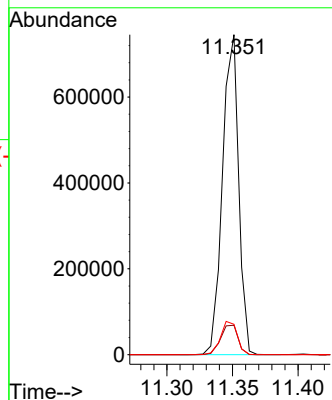
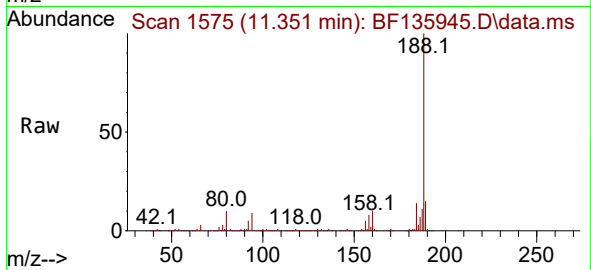
Tgt Ion:188 Resp: 637011

Ion Ratio Lower Upper

188 100

94 9.2 8.6 13.0

80 9.5 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 7.664 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.194 min

Lab File: BF135945.D

Acq: 25 Oct 2023 17:20

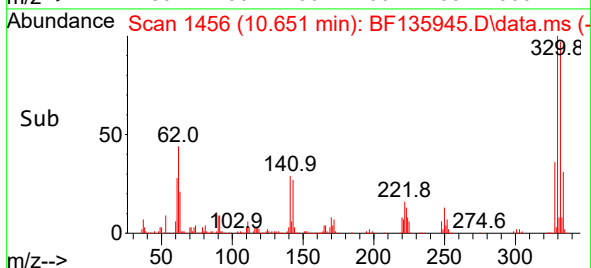
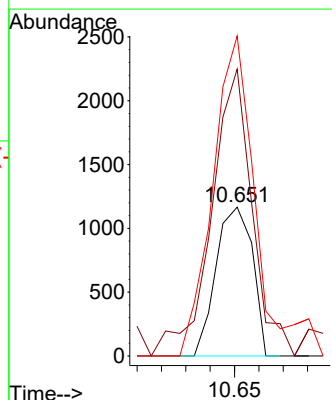
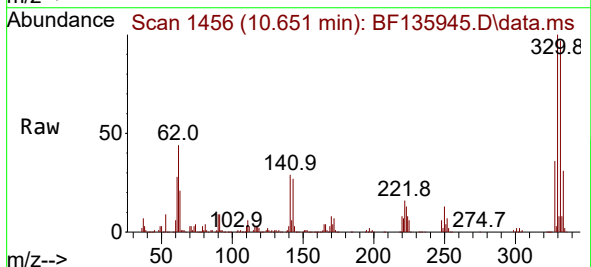
Tgt Ion:198 Resp: 1212

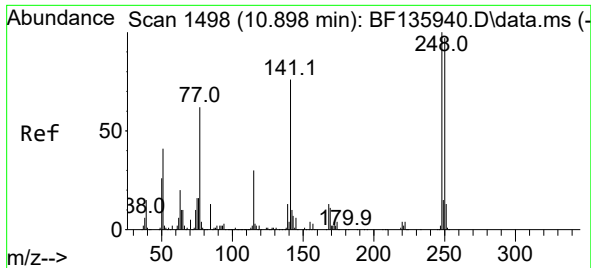
Ion Ratio Lower Upper

198 100

51 192.7 28.7 68.7#

105 214.9 27.2 67.2#

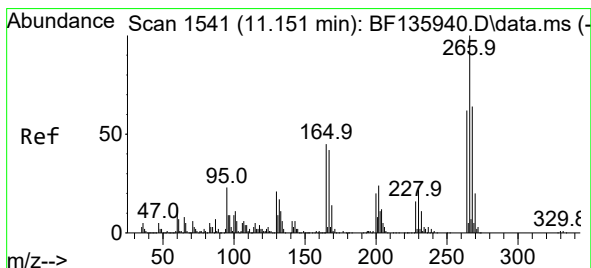
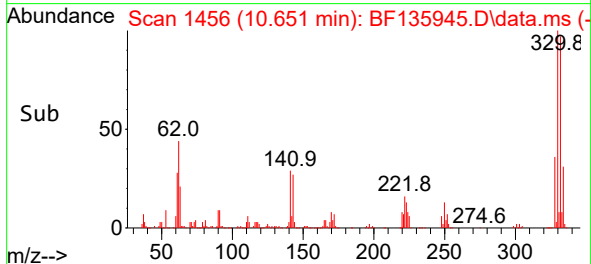
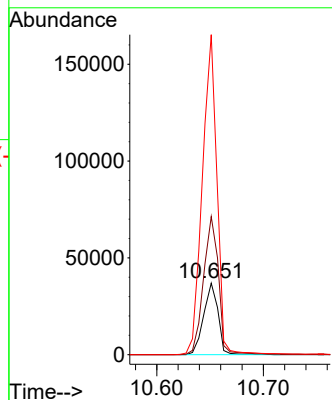
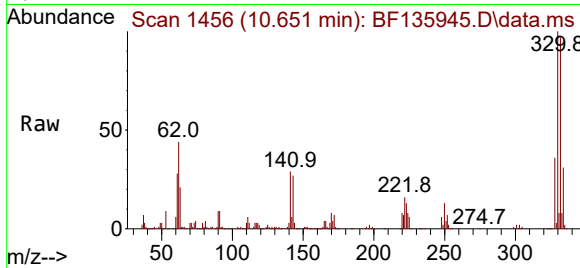




#67
4-Bromophenyl-phenylether
Concen: 5.353 ng
RT: 10.651 min Scan# 1498
Delta R.T. -0.247 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

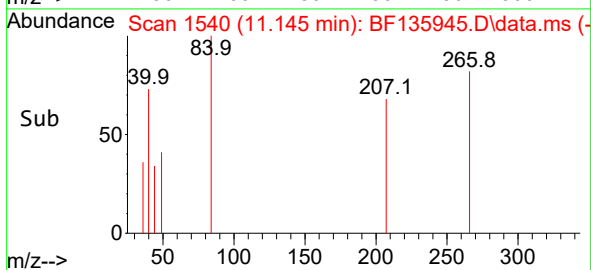
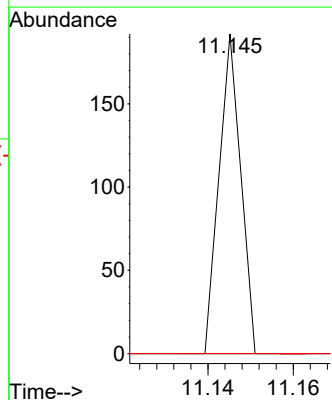
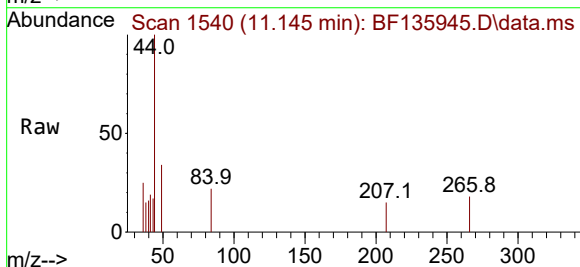
Instrument :
BNA_F
ClientSampleId :
PB156430BL

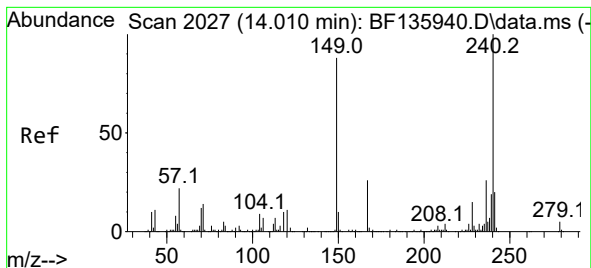
Tgt Ion:248 Resp: 34924
Ion Ratio Lower Upper
248 100
250 193.0 77.9 116.9#
141 447.1 60.8 91.2#



#70
Pentachlorophenol
Concen: 4.239 ng
RT: 11.145 min Scan# 1540
Delta R.T. -0.006 min
Lab File: BF135945.D
Acq: 25 Oct 2023 17:20

Tgt Ion:266 Resp: 68
Ion Ratio Lower Upper
266 100
268 0.0 50.8 76.2#
264 0.0 49.8 74.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF135945.D

Acq: 25 Oct 2023 17:20

Instrument :

BNA_F

ClientSampleId :

PB156430BL

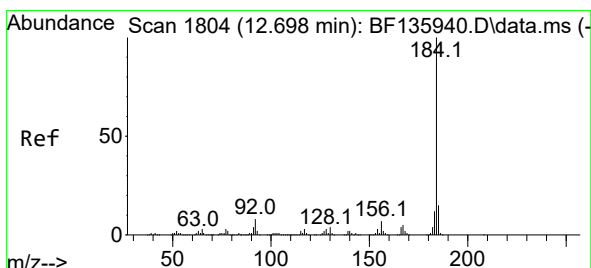
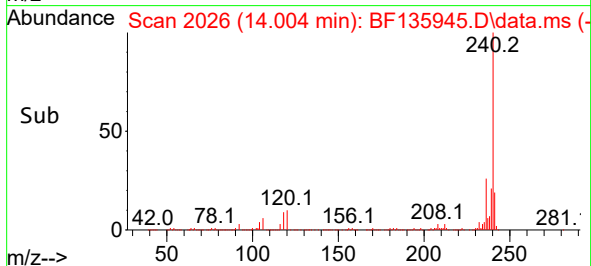
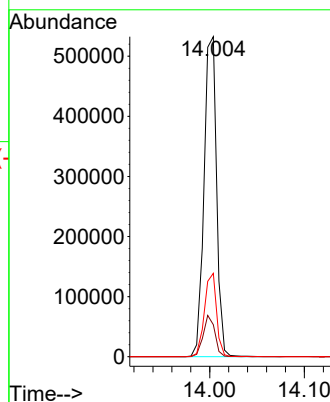
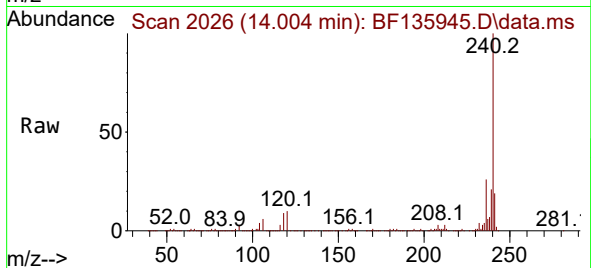
Tgt Ion:240 Resp: 491812

Ion Ratio Lower Upper

240 100

120 10.0 8.6 13.0

236 26.1 20.6 30.8



#77

Benzdine

Concen: 3.352 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.259 min

Lab File: BF135945.D

Acq: 25 Oct 2023 17:20

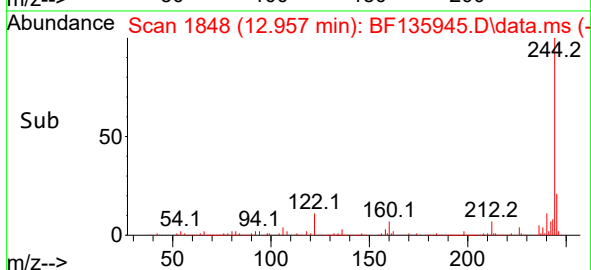
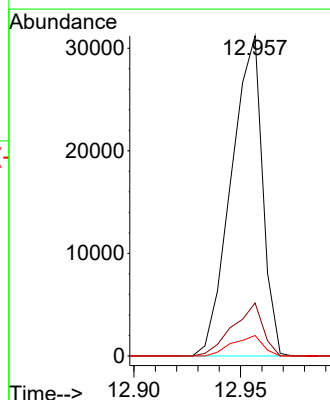
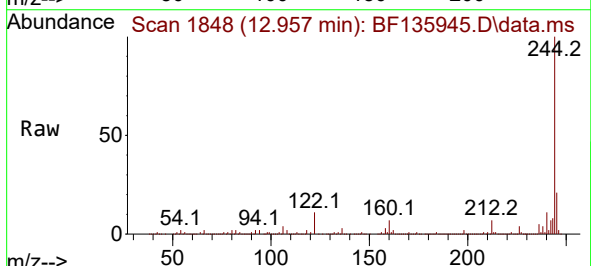
Tgt Ion:184 Resp: 31791

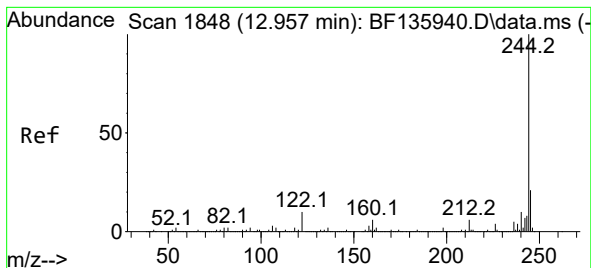
Ion Ratio Lower Upper

184 100

185 16.5 11.7 17.5

183 6.4 9.2 13.8#





#79

Terphenyl-d14

Concen: 89.085 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF135945.D

Acq: 25 Oct 2023 17:20

Instrument :

BNA_F

ClientSampleId :

PB156430BL

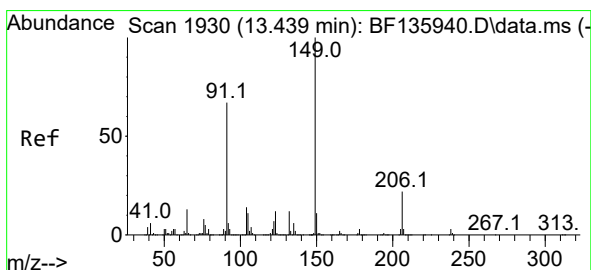
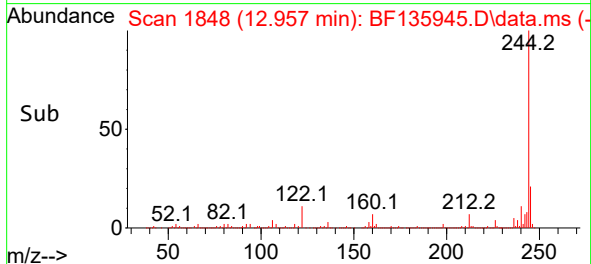
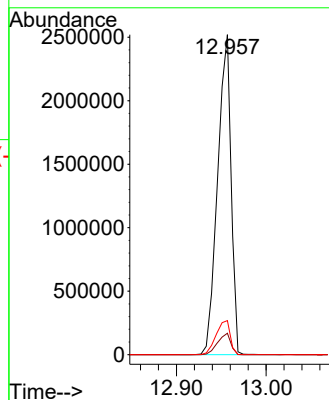
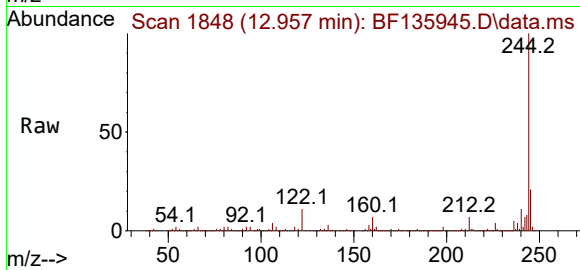
Tgt Ion:244 Resp: 2622332

Ion Ratio Lower Upper

244 100

212 6.7 5.0 7.6

122 10.6 8.0 12.0



#80

Butylbenzylphthalate

Concen: 3.849 ng

RT: 13.433 min Scan# 1929

Delta R.T. -0.006 min

Lab File: BF135945.D

Acq: 25 Oct 2023 17:20

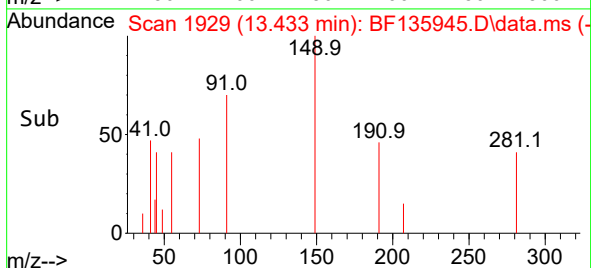
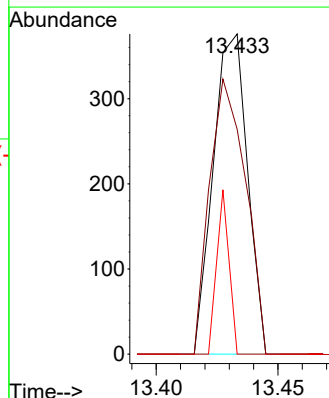
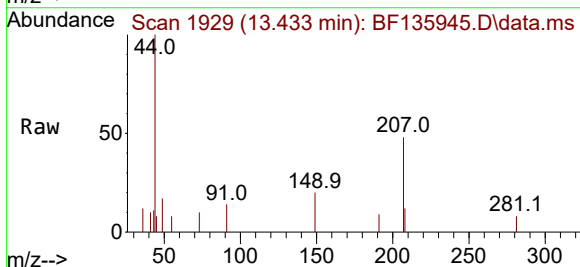
Tgt Ion:149 Resp: 368

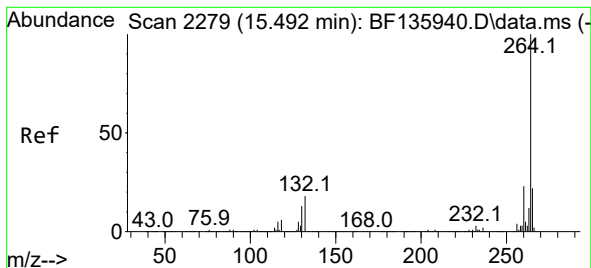
Ion Ratio Lower Upper

149 100

91 70.2 53.4 80.0

206 0.0 17.5 26.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135945.D

Acq: 25 Oct 2023 17:20

Instrument :

BNA_F

ClientSampleId :

PB156430BL

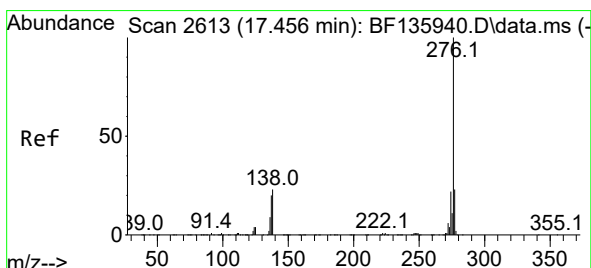
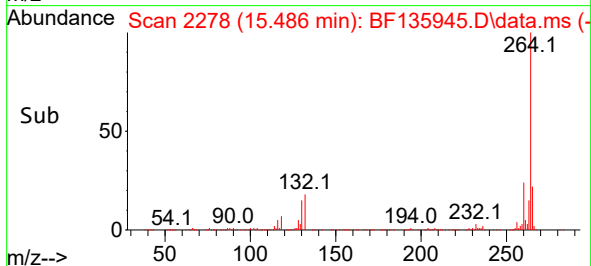
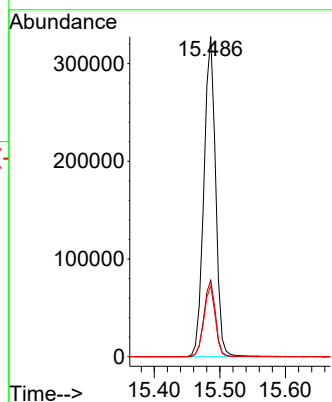
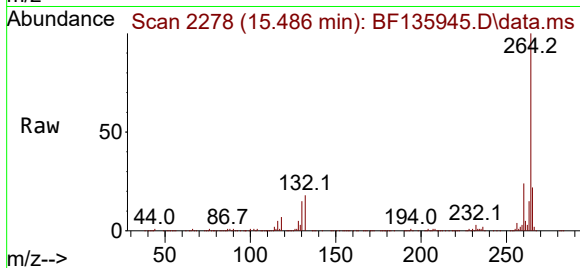
Tgt Ion:264 Resp: 407432

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 22.1 17.3 25.9



#92

Benzo(g,h,i)perylene

Concen: 3.786 ng

RT: 17.433 min Scan# 2609

Delta R.T. -0.023 min

Lab File: BF135945.D

Acq: 25 Oct 2023 17:20

Tgt Ion:276 Resp: 697

Ion Ratio Lower Upper

276 100

277 0.0 18.6 28.0#

138 0.0 18.4 27.6#

