

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102823\
 Data File : BF136009.D
 Acq On : 28 Oct 2023 17:08
 Operator : CG\JU
 Sample : 05081-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONTAINMENT

Quant Time: Oct 30 00:27:22 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

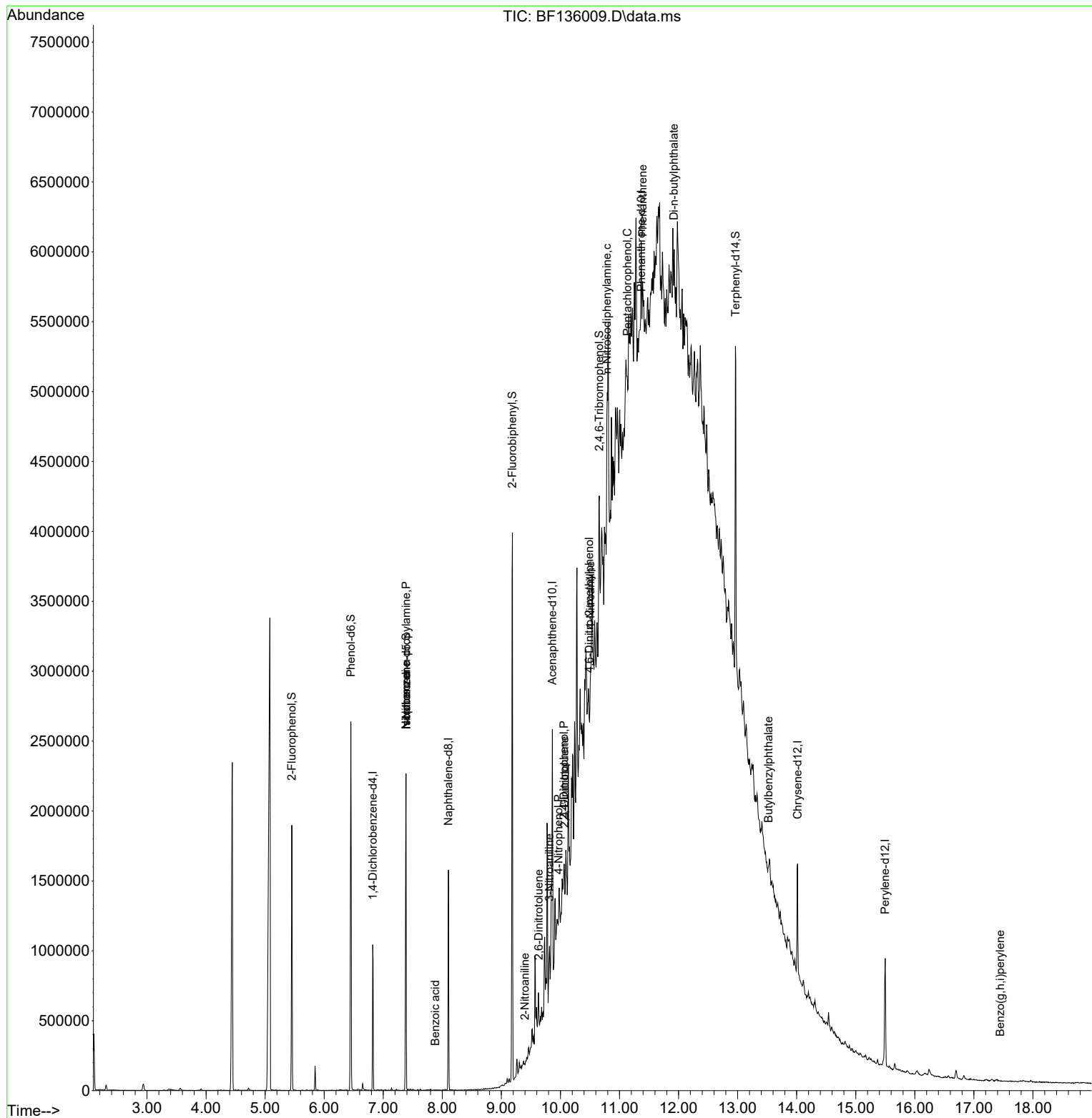
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	148078	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	591891	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	285614	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	393031	20.000	ng	# 0.02
76) Chrysene-d12	14.015	240	287609	20.000	ng	0.00
86) Perylene-d12	15.498	264	359468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	489488	51.044	ng	0.00
7) Phenol-d6	6.451	99	928195	77.747	ng	0.00
23) Nitrobenzene-d5	7.386	82	629668	70.576	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	105057	42.023	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1225915	68.729	ng	0.00
79) Terphenyl-d14	12.968	244	1016179	59.032	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.386	70	83209	12.257	ng	# 73
24) Nitrobenzene	7.386	77	1908	2.766	ng	# 28
25) Isophorone	7.386	82	629652	33.655	ng	# 64
32) Benzoic acid	7.880	122	299	5.829	ng	# 10
48) 2-Nitroaniline	9.398	65	315	4.286	ng	# 77
51) 2,6-Dinitrotoluene	9.633	165	3057	5.578	ng	# 34
53) 3-Nitroaniline	9.816	138	10308	6.592	ng	# 10
54) 2,4-Dinitrophenol	10.063	184	1800	7.030	ng	# 1
56) 4-Nitrophenol	9.969	139	3931	7.155	ng	# 1
57) 2,4-Dinitrotoluene	10.069	165	4779	6.711	ng	# 52
62) 4-Nitroaniline	10.510	138	5762	5.793	ng	88
65) 4,6-Dinitro-2-methylph...	10.486	198	2532	9.400	ng	# 1
66) n-Nitrosodiphenylamine	10.786	169	107064	9.017	ng	98
70) Pentachlorophenol	11.133	266	774	4.493	ng	# 1
71) Phenanthrene	11.392	178	60907	3.063	ng	# 40
74) Di-n-butylphthalate	11.921	149	58522	3.028	ng	# 53
80) Butylbenzylphthalate	13.521	149	1883	4.017	ng	# 20
92) Benzo(g,h,i)perylene	17.445	276	547	3.783	ng	# 1

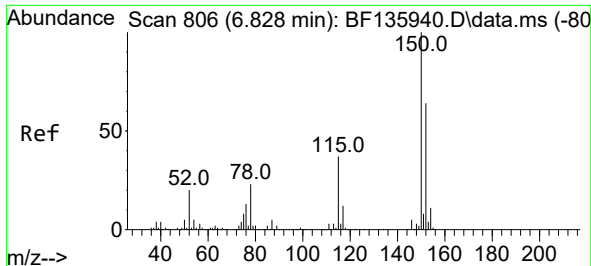
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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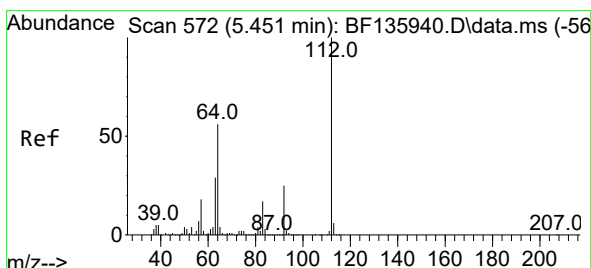
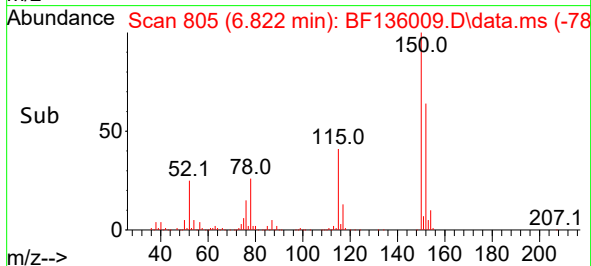
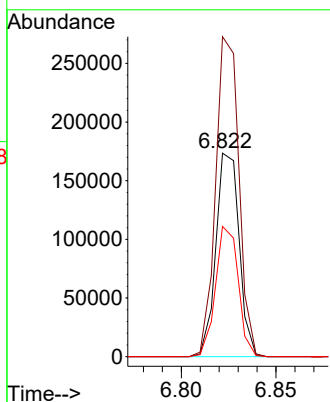
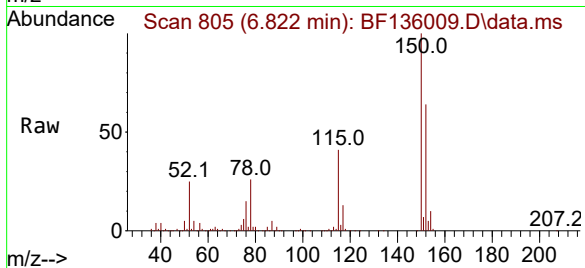




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BF136009.D
 Acq: 28 Oct 2023 17:08

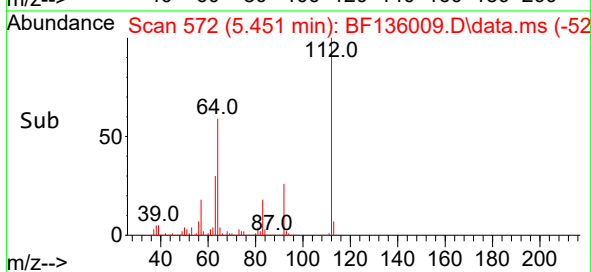
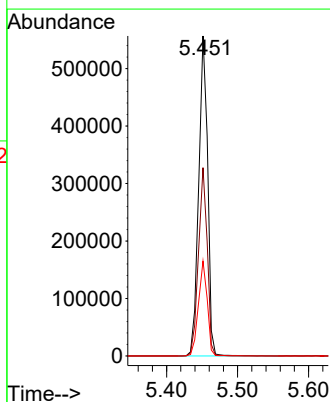
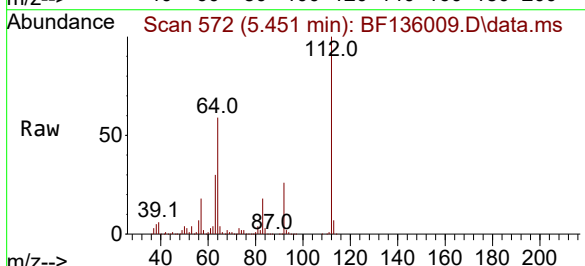
Instrument :
 BNA_F
 ClientSampleId :
 CONTAINMENT

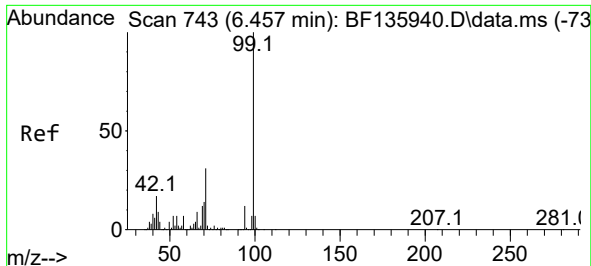
Tgt Ion:152 Resp: 148078
 Ion Ratio Lower Upper
 152 100
 150 157.2 124.6 186.8
 115 64.0 46.6 69.8



#5
 2-Fluorophenol
 Concen: 51.044 ng
 RT: 5.451 min Scan# 572
 Delta R.T. -0.000 min
 Lab File: BF136009.D
 Acq: 28 Oct 2023 17:08

Tgt Ion:112 Resp: 489488
 Ion Ratio Lower Upper
 112 100
 64 58.9 45.1 67.7
 63 29.7 23.0 34.4

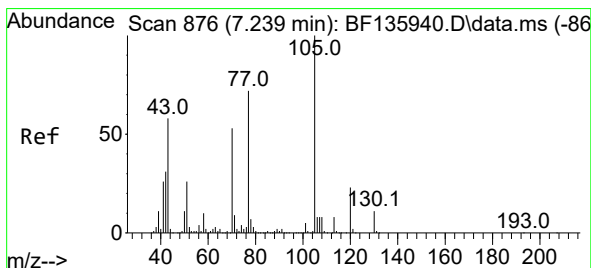
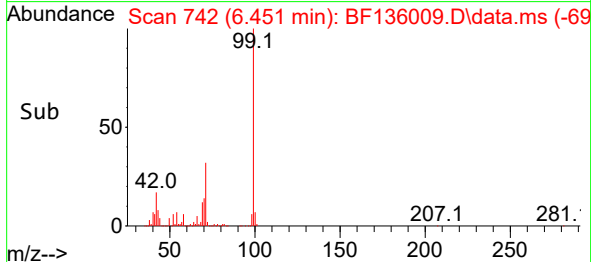
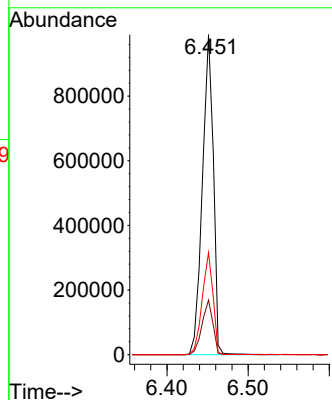
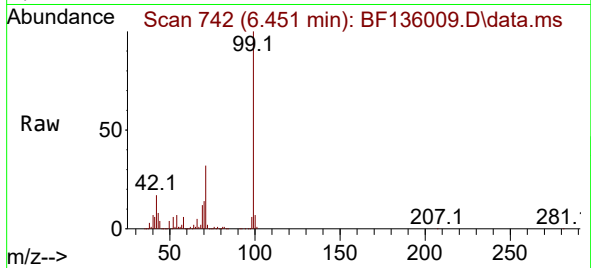




#7
Phenol-d6
Concen: 77.747 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

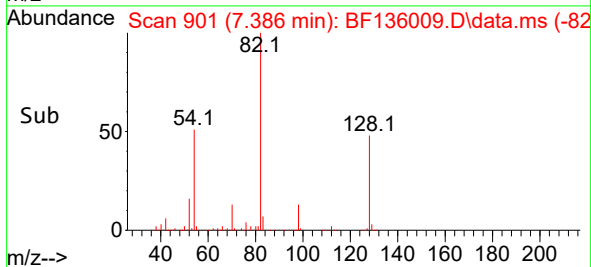
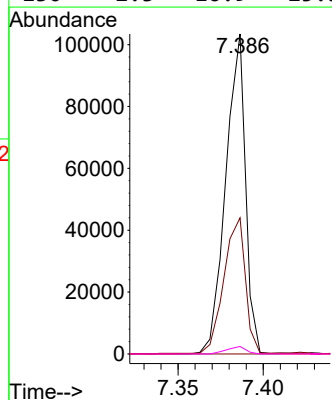
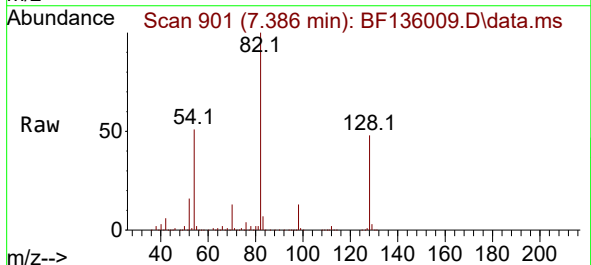
Instrument :
BNA_F
ClientSampleId :
CONTAINMENT

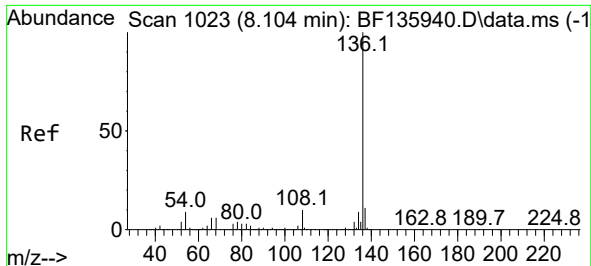
Tgt Ion: 99 Resp: 928195
Ion Ratio Lower Upper
99 100
42 17.1 13.8 20.8
71 31.9 25.1 37.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.257 ng
RT: 7.386 min Scan# 901
Delta R.T. 0.147 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

Tgt Ion: 70 Resp: 83209
Ion Ratio Lower Upper
70 100
42 42.5 47.3 70.9#
101 0.0 7.8 11.8#
130 2.3 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

Instrument :

BNA_F

ClientSampleId :

CONTAINMENT

Tgt Ion:136 Resp: 591891

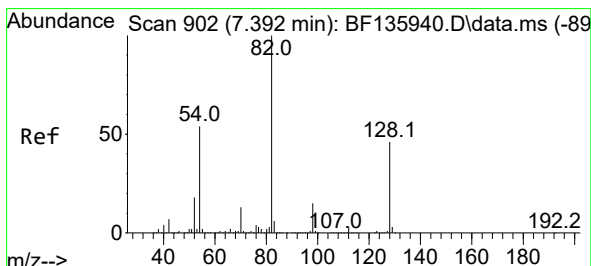
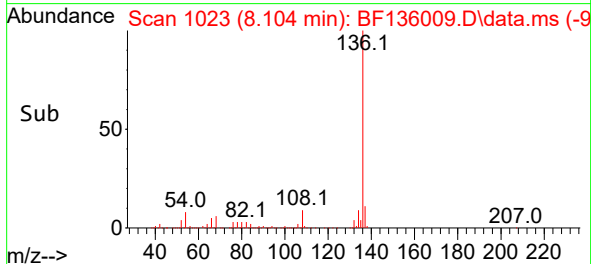
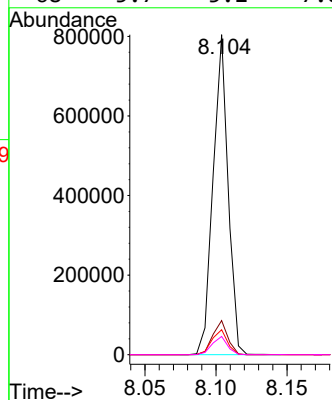
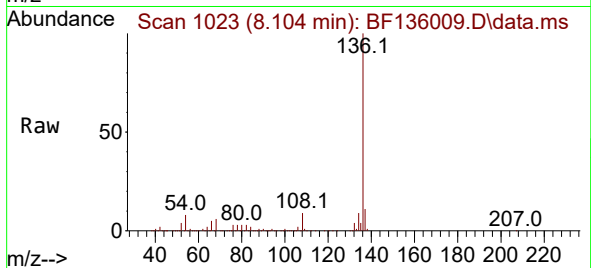
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 7.8 7.1 10.7

68 5.7 5.2 7.8



#23

Nitrobenzene-d5

Concen: 70.576 ng

RT: 7.386 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

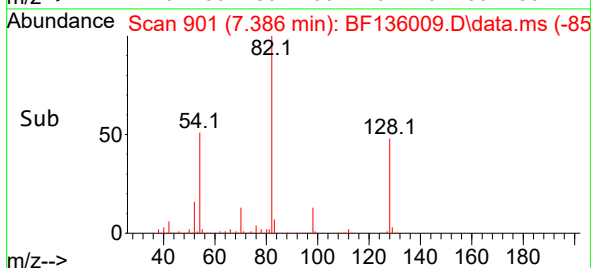
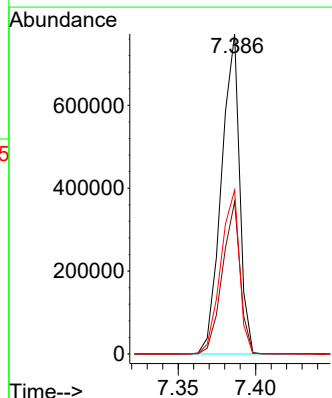
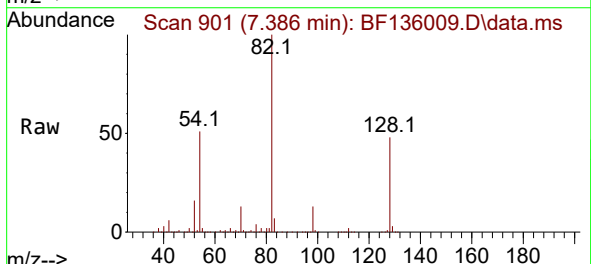
Tgt Ion: 82 Resp: 629668

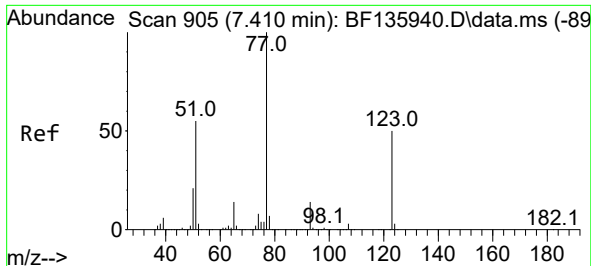
Ion Ratio Lower Upper

82 100

128 47.6 36.8 55.2

54 51.2 43.4 65.0

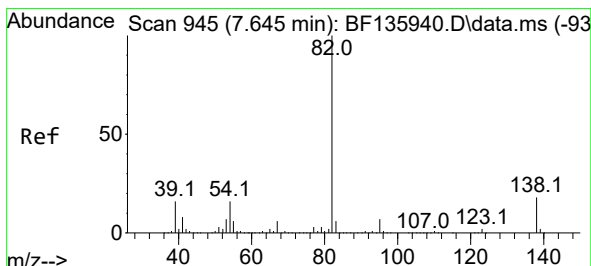
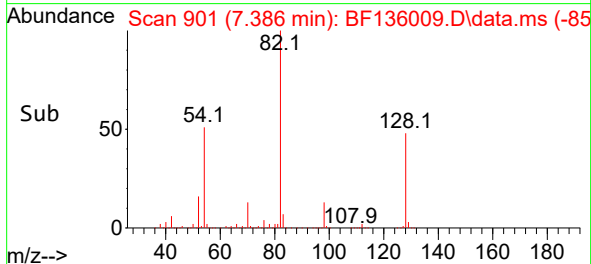
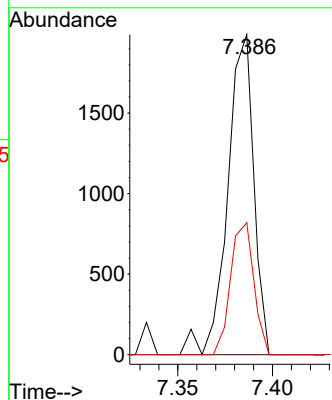
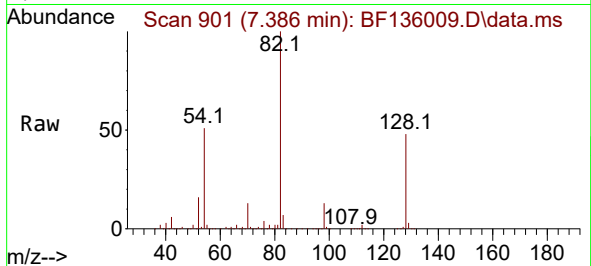




#24
Nitrobenzene
Concen: 2.766 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.024 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

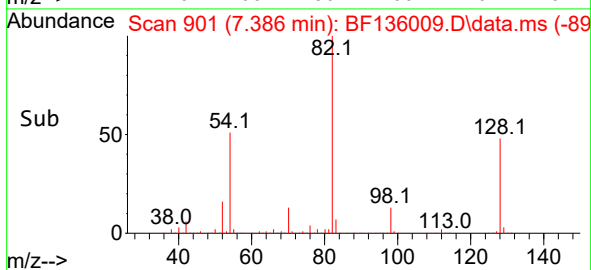
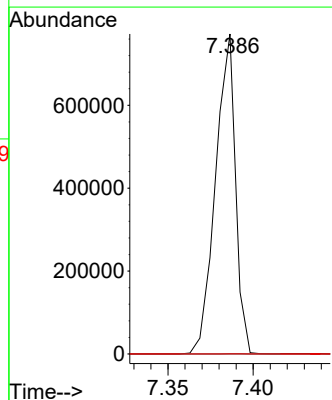
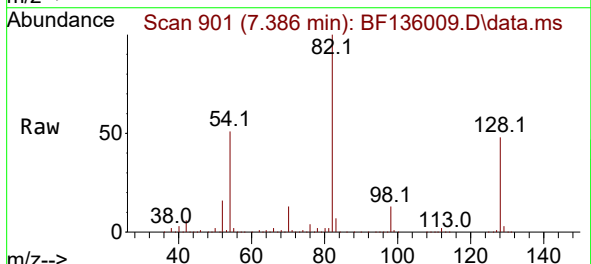
Instrument :
BNA_F
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CONTAINMENT

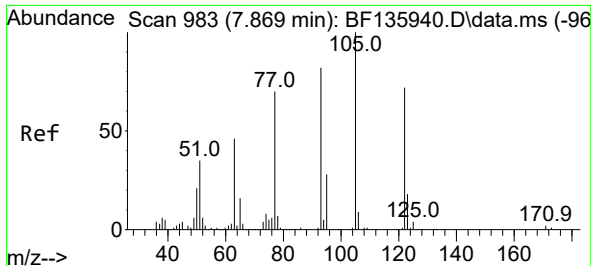
Tgt Ion: 77 Resp: 1908
Ion Ratio Lower Upper
77 100
123 0.0 40.2 60.2#
65 41.2 11.0 16.4#



#25
Isophorone
Concen: 33.655 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

Tgt Ion: 82 Resp: 629652
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.8 22.2#

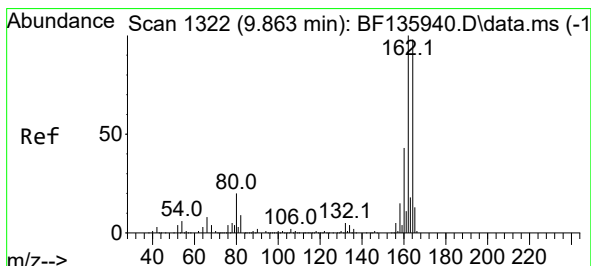
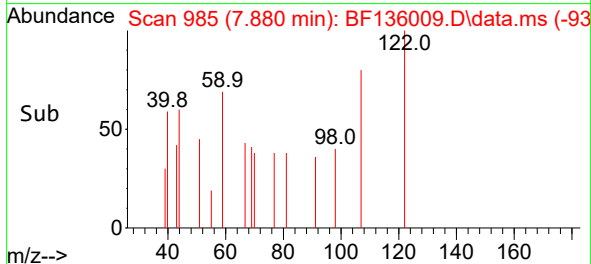
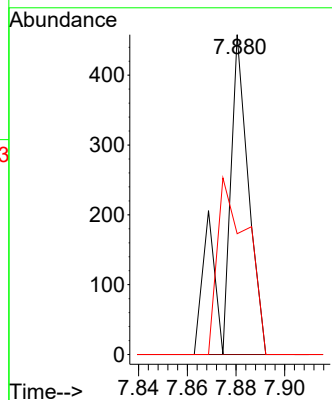
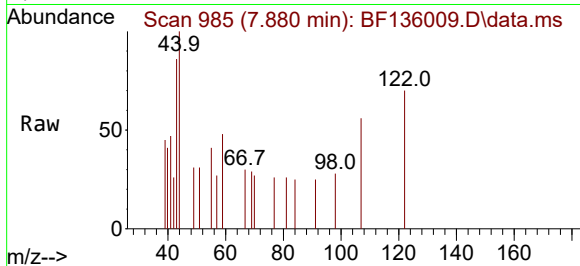




#32
Benzoic acid
Concen: 5.829 ng
RT: 7.880 min Scan# 91
Delta R.T. 0.011 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

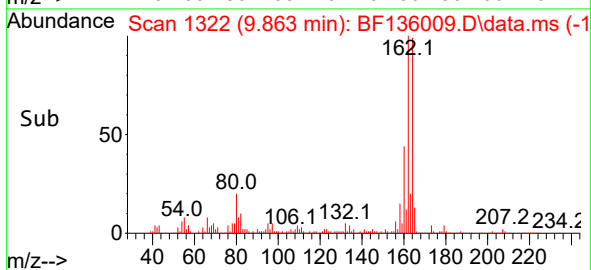
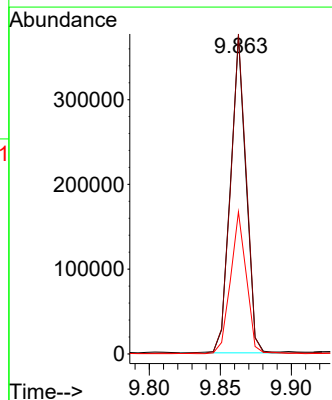
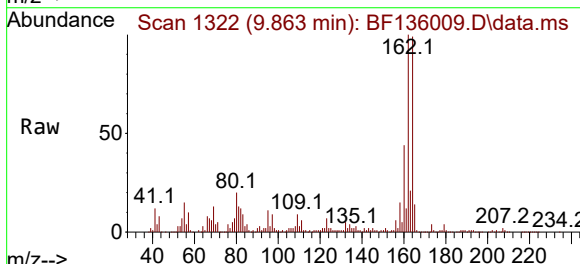
Instrument :
BNA_F
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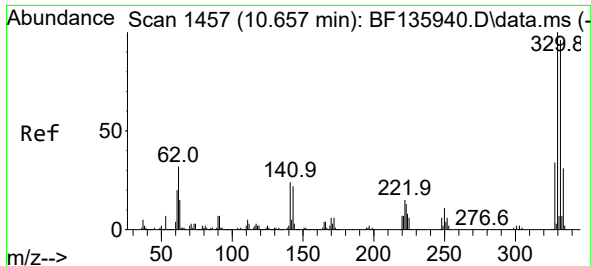
Tgt Ion:122 Resp: 299
Ion Ratio Lower Upper
122 100
105 0.0 113.1 153.1#
77 37.8 75.2 115.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

Tgt Ion:164 Resp: 285614
Ion Ratio Lower Upper
164 100
162 100.6 82.0 123.0
160 44.7 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 42.023 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.000 min

Lab File: BF136009.D

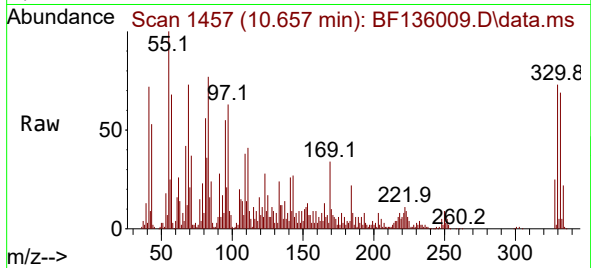
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Instrument :

BNA_F

ClientSampleId :

CONTAINMENT



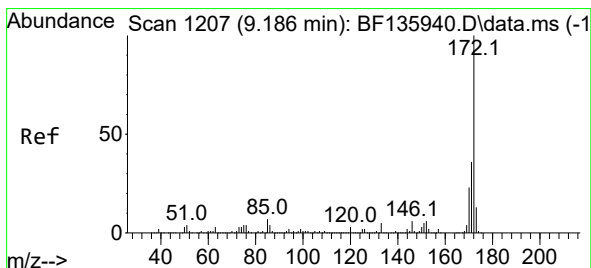
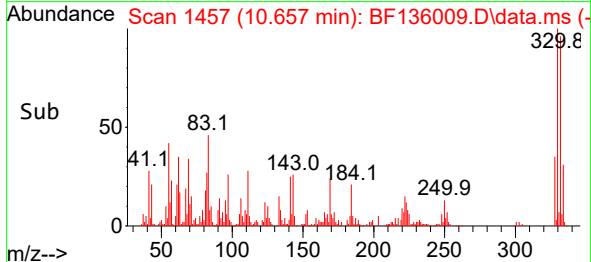
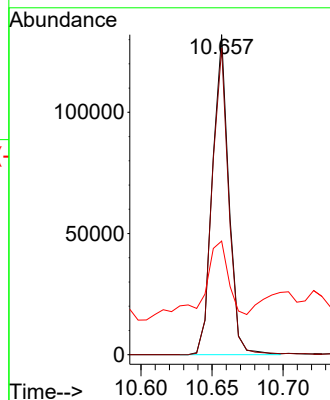
Tgt Ion:330 Resp: 105057

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.2

141 39.9 24.9 37.3#



#45

2-Fluorobiphenyl

Concen: 68.729 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

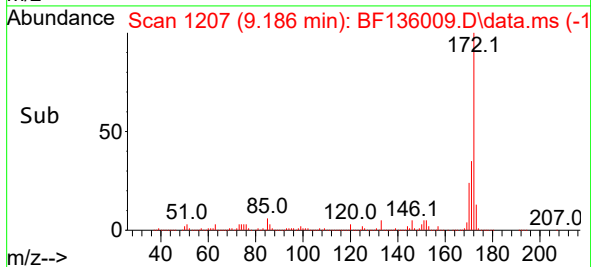
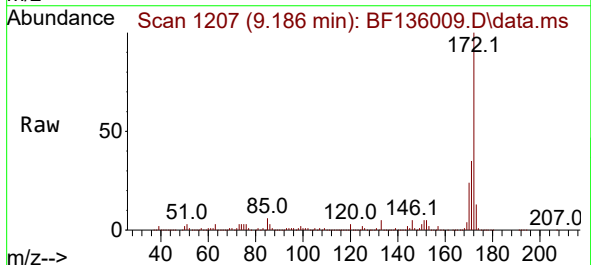
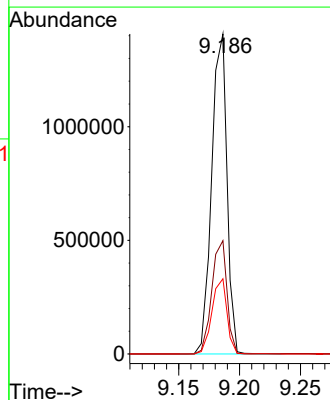
Tgt Ion:172 Resp: 1225915

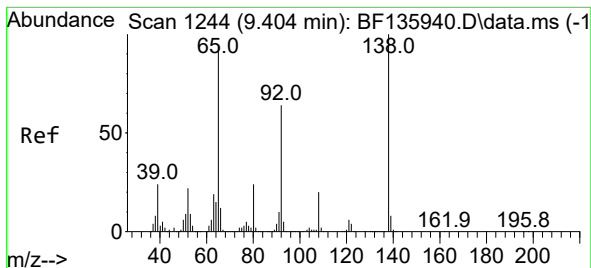
Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 23.5 18.6 28.0





#48

2-Nitroaniline

Concen: 4.286 ng

RT: 9.398 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

Instrument :

BNA_F

ClientSampleId :

CONTAINMENT

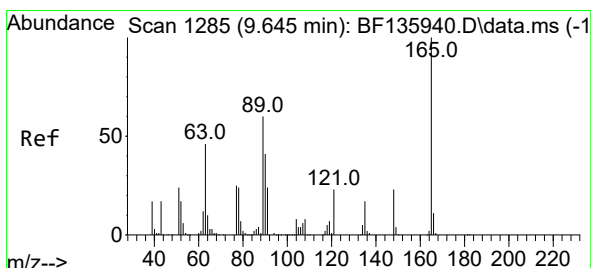
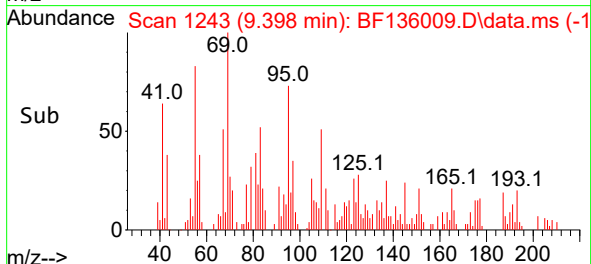
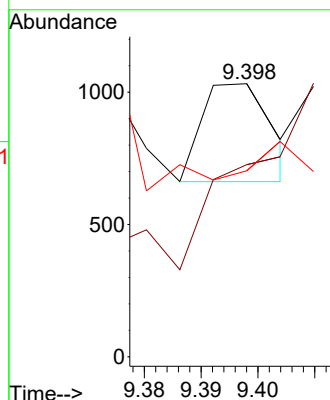
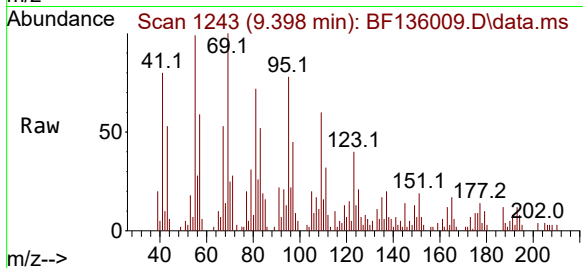
Tgt Ion: 65 Resp: 315

Ion Ratio Lower Upper

65 100

92 70.3 54.9 82.3

138 68.1 85.2 127.8#



#51

2,6-Dinitrotoluene

Concen: 5.578 ng

RT: 9.633 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

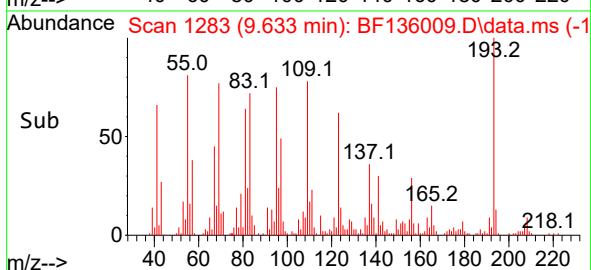
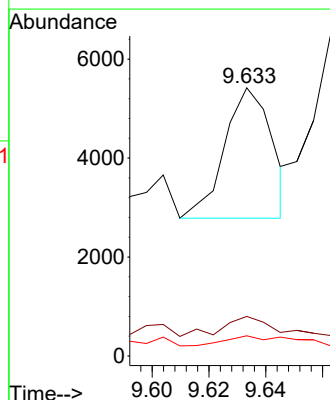
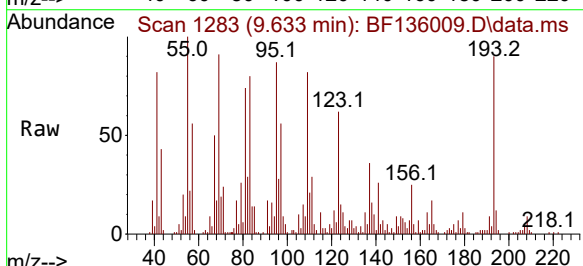
Tgt Ion: 165 Resp: 3057

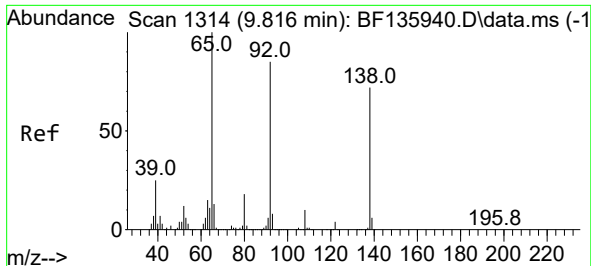
Ion Ratio Lower Upper

165 100

63 14.8 51.7 77.5#

89 7.5 48.3 72.5#

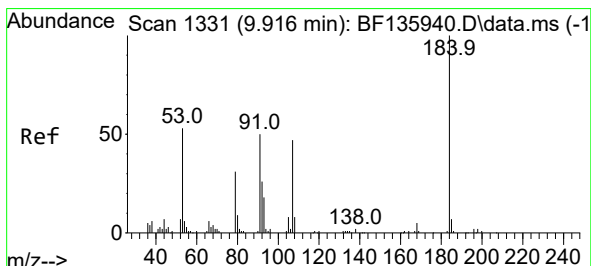
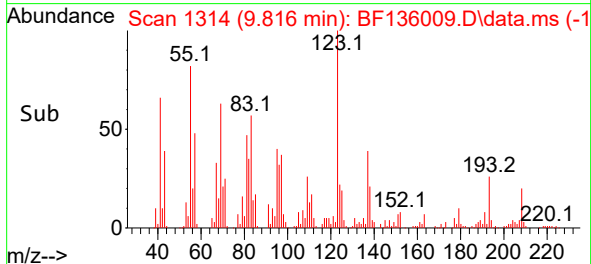
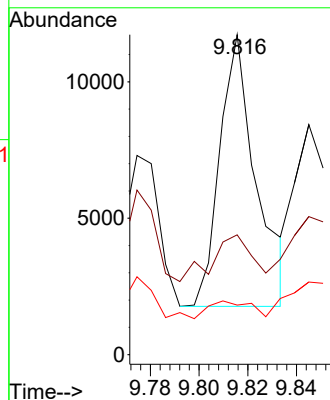
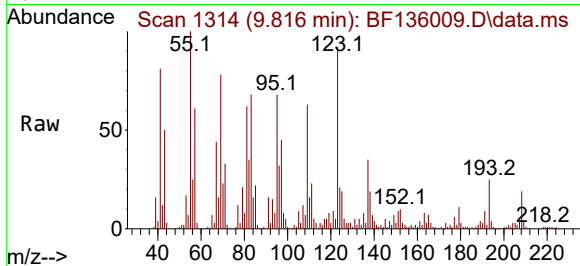




#53
3-Nitroaniline
Concen: 6.592 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

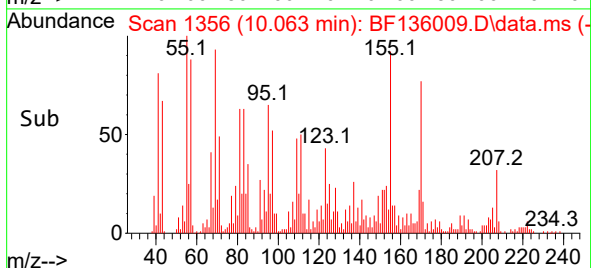
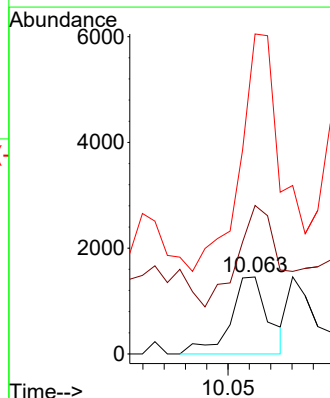
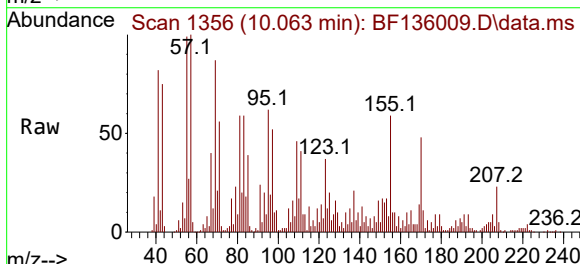
Instrument :
BNA_F
ClientSampleId :
CONTAINMENT

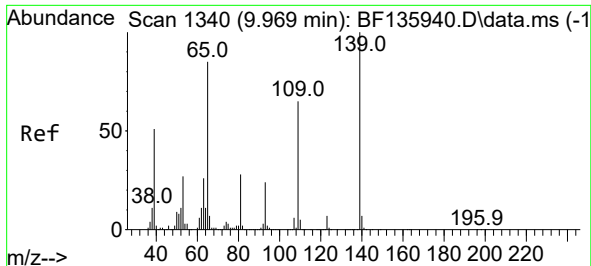
Tgt Ion:138 Resp: 10308
Ion Ratio Lower Upper
138 100
108 37.4 11.3 16.9#
92 15.5 95.0 142.6#



#54
2,4-Dinitrophenol
Concen: 7.030 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.147 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

Tgt Ion:184 Resp: 1800
Ion Ratio Lower Upper
184 100
63 193.0 56.3 84.5#
154 415.9 48.1 72.1#

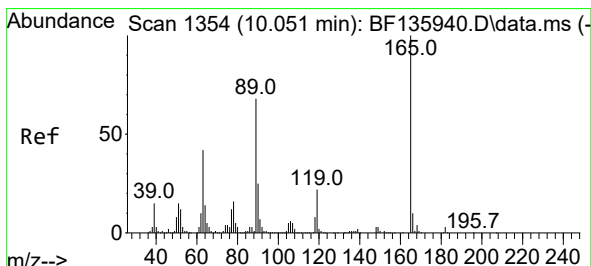
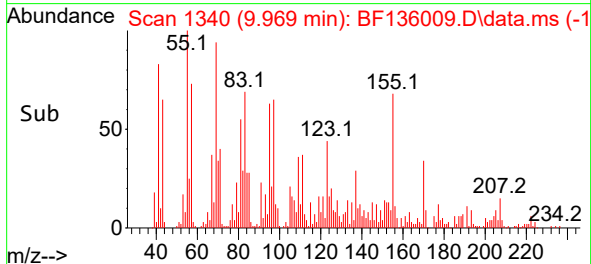
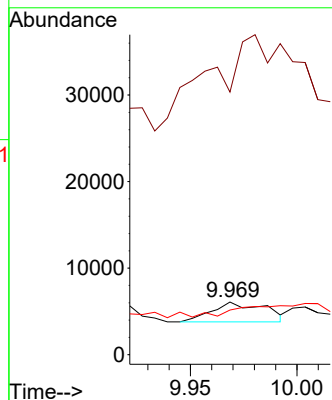
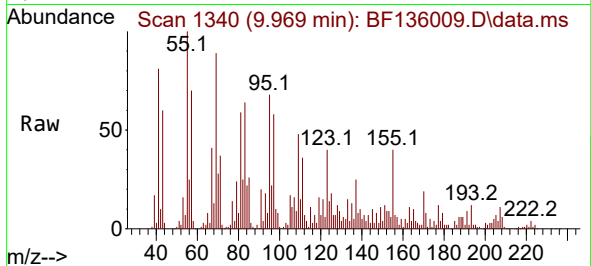




#56
4-Nitrophenol
Concen: 7.155 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

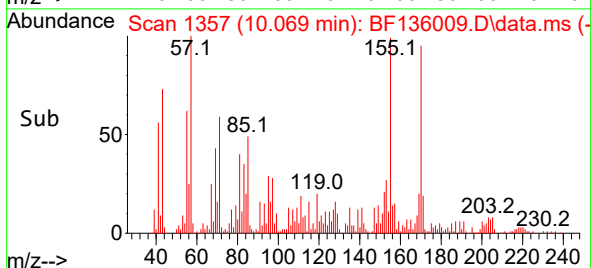
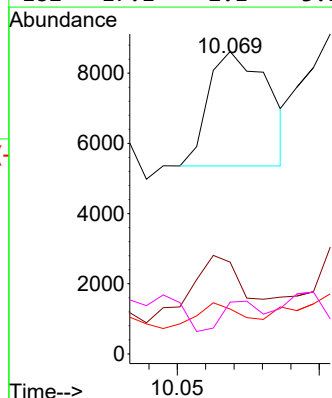
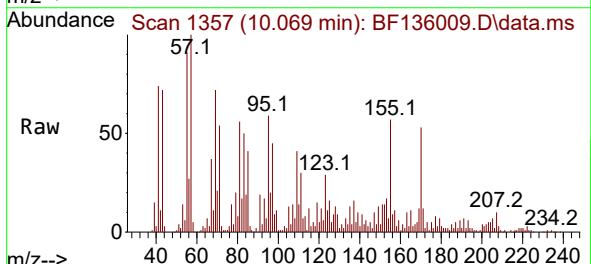
Instrument :
BNA_F
ClientSampleId :
CONTAINMENT

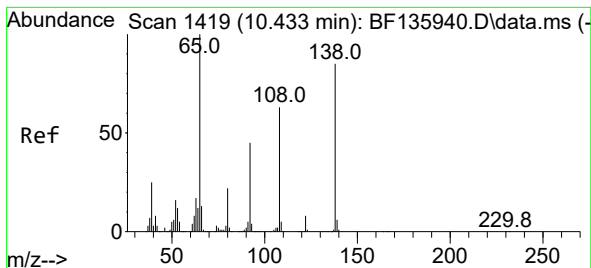
Tgt Ion:139 Resp: 3931
Ion Ratio Lower Upper
139 100
109 499.0 45.2 85.2#
65 84.9 65.1 105.1



#57
2,4-Dinitrotoluene
Concen: 6.711 ng
RT: 10.069 min Scan# 1357
Delta R.T. 0.018 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

Tgt Ion:165 Resp: 4779
Ion Ratio Lower Upper
165 100
63 30.4 33.7 50.5#
89 14.9 54.6 81.8#
182 17.1 2.1 3.1#

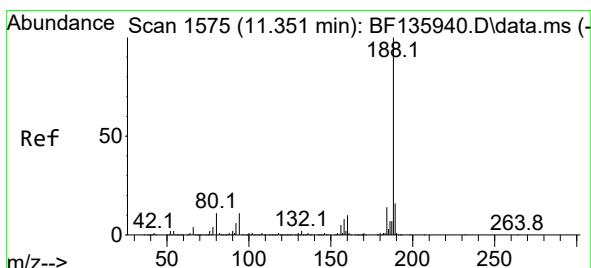
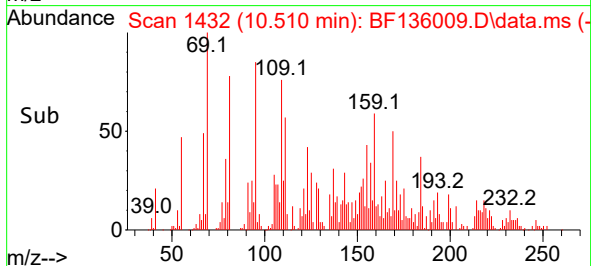
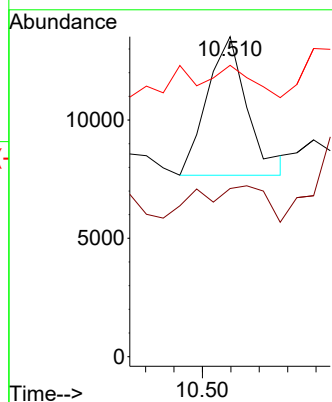
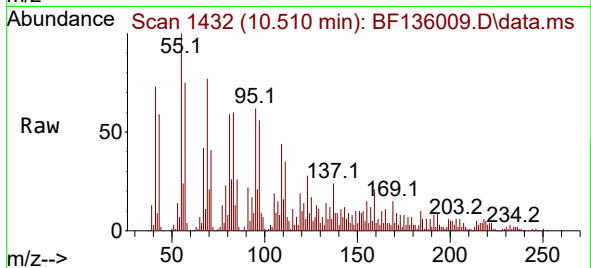




#62
4-Nitroaniline
Concen: 5.793 ng
RT: 10.510 min Scan# 1419
Delta R.T. 0.077 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

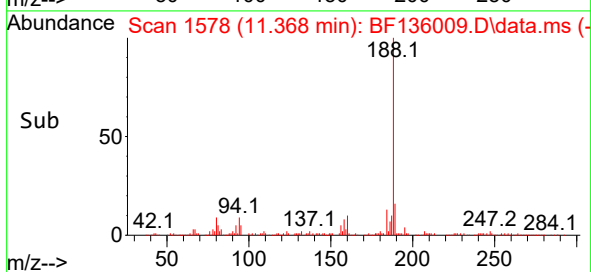
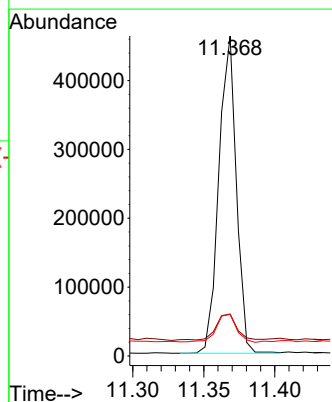
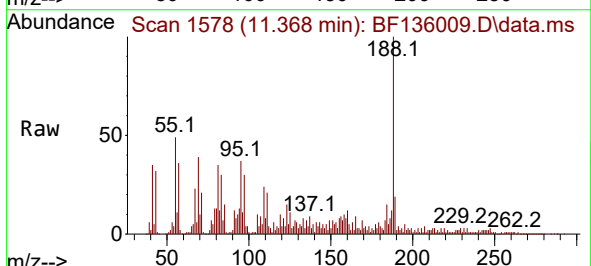
Instrument :
BNA_F
ClientSampleId :
CONTAINMENT

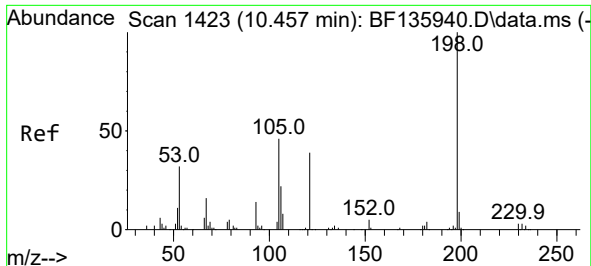
Tgt Ion:138 Resp: 5762
Ion Ratio Lower Upper
138 100
92 52.6 32.9 72.9
108 91.0 53.5 93.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.368 min Scan# 1578
Delta R.T. 0.018 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

Tgt Ion:188 Resp: 393031
Ion Ratio Lower Upper
188 100
94 13.1 8.6 13.0#
80 13.0 9.0 13.6

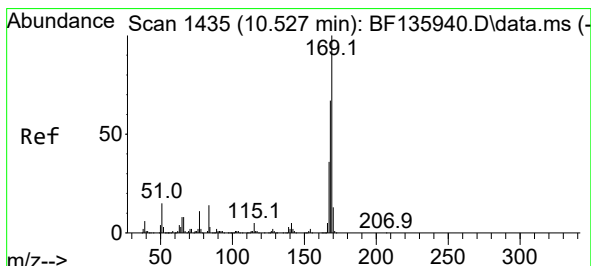
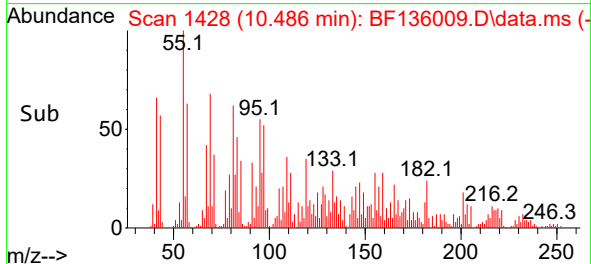
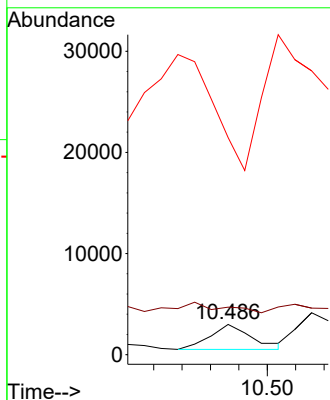
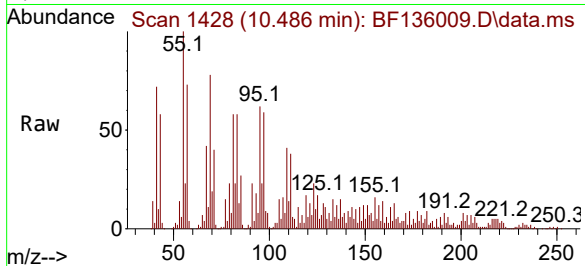




#65
4,6-Dinitro-2-methylphenol
Concen: 9.400 ng
RT: 10.486 min Scan# 1428
Delta R.T. 0.029 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

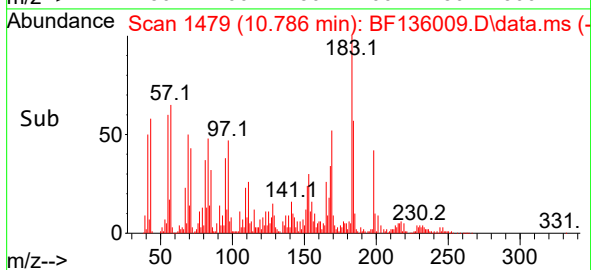
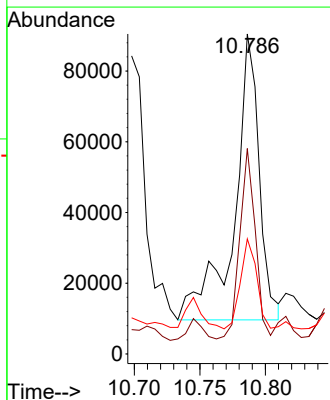
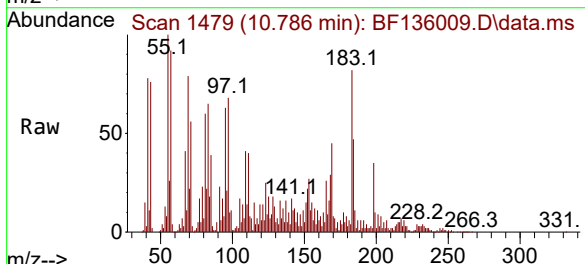
Instrument :
BNA_F
ClientSampleId :
CONTAINMENT

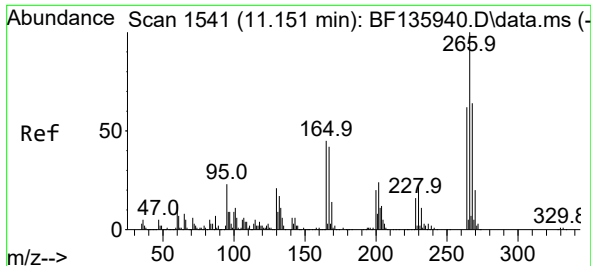
Tgt Ion:198 Resp: 2532
Ion Ratio Lower Upper
198 100
51 156.6 28.7 68.7#
105 716.2 27.2 67.2#



#66
n-Nitrosodiphenylamine
Concen: 9.017 ng
RT: 10.786 min Scan# 1479
Delta R.T. 0.259 min
Lab File: BF136009.D
Acq: 28 Oct 2023 17:08

Tgt Ion:169 Resp: 107064
Ion Ratio Lower Upper
169 100
168 64.2 53.5 80.3
167 36.0 29.0 43.4

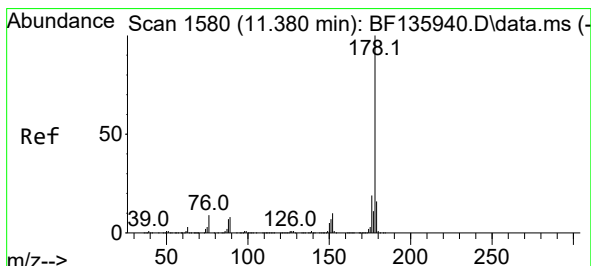
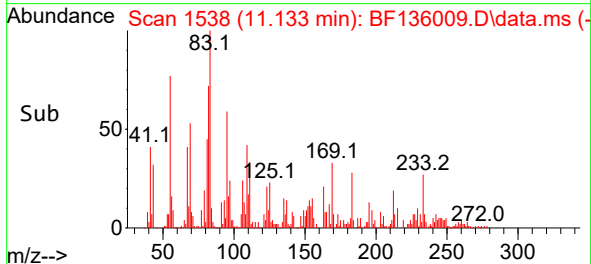
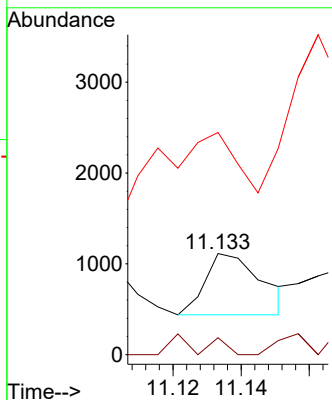
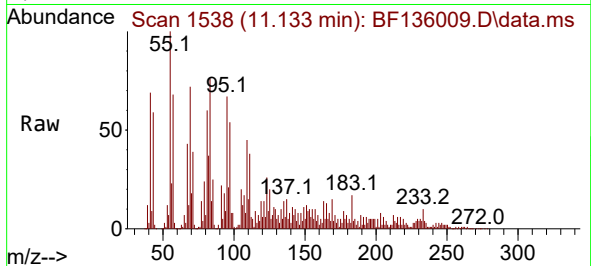




#70
 Pentachlorophenol
 Concen: 4.493 ng
 RT: 11.133 min Scan# 1538
 Delta R.T. -0.018 min
 Lab File: BF136009.D
 Acq: 28 Oct 2023 17:08

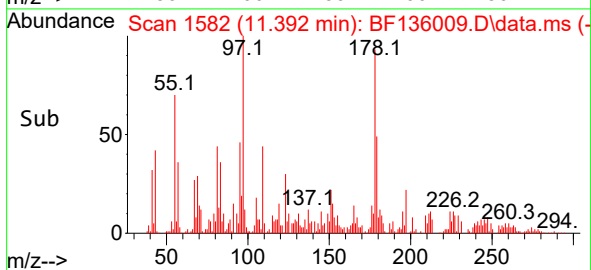
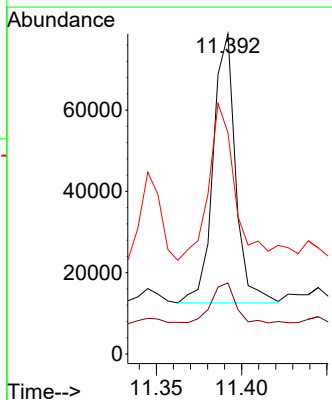
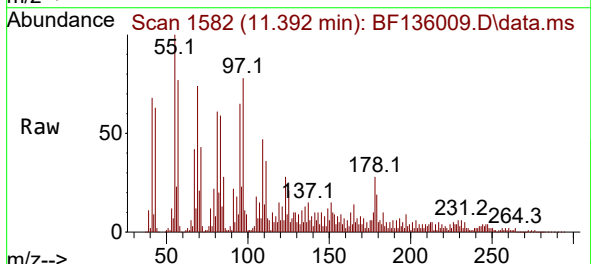
Instrument :
 BNA_F
 ClientSampleId :
 CONTAINMENT

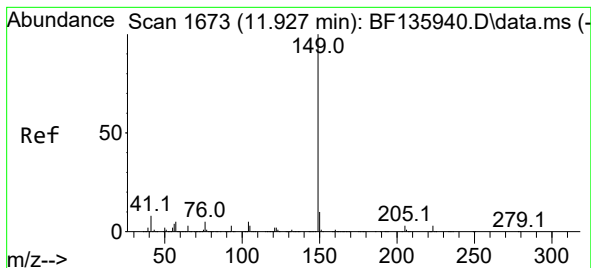
Tgt Ion:266 Resp: 774
 Ion Ratio Lower Upper
 266 100
 268 16.8 50.8 76.2#
 264 219.7 49.8 74.6#



#71
 Phenanthrene
 Concen: 3.063 ng
 RT: 11.392 min Scan# 1582
 Delta R.T. 0.012 min
 Lab File: BF136009.D
 Acq: 28 Oct 2023 17:08

Tgt Ion:178 Resp: 60907
 Ion Ratio Lower Upper
 178 100
 176 22.2 15.4 23.2
 179 69.1 12.5 18.7#





#74

Di-n-butylphthalate

Concen: 3.028 ng

RT: 11.921 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

Instrument :

BNA_F

ClientSampleId :

CONTAINMENT

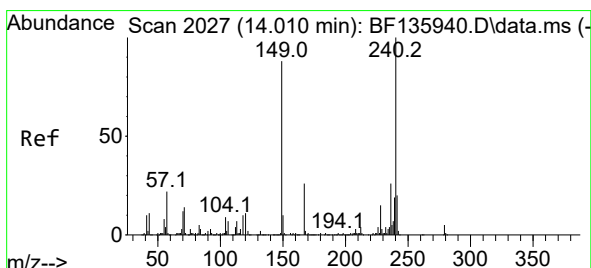
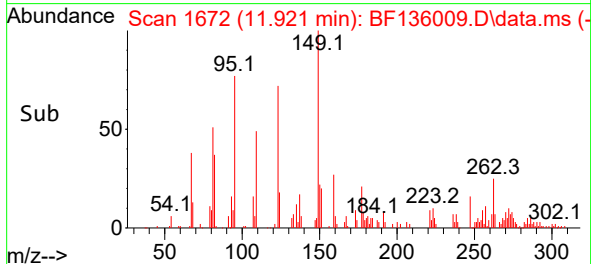
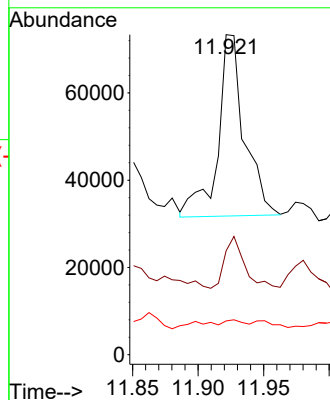
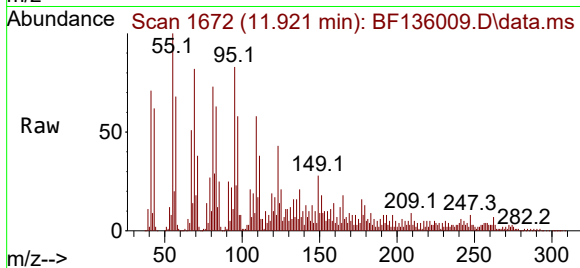
Tgt Ion:149 Resp: 58522

Ion Ratio Lower Upper

149 100

150 32.4 7.7 11.5#

104 10.6 3.9 5.9#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

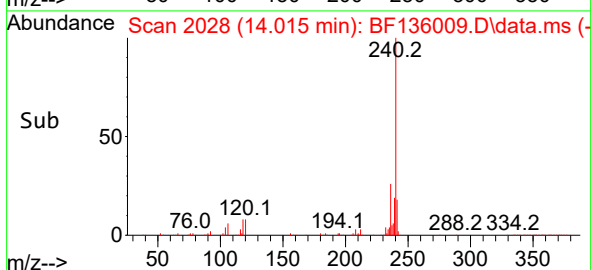
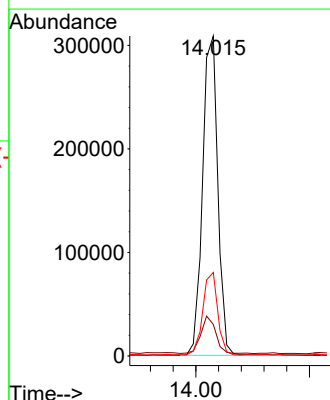
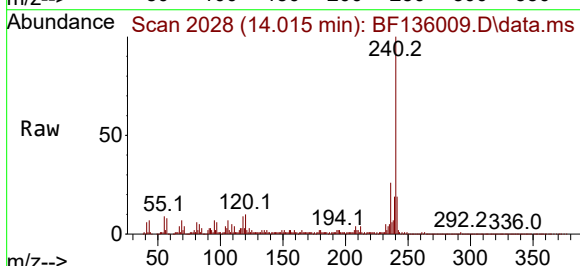
Tgt Ion:240 Resp: 287609

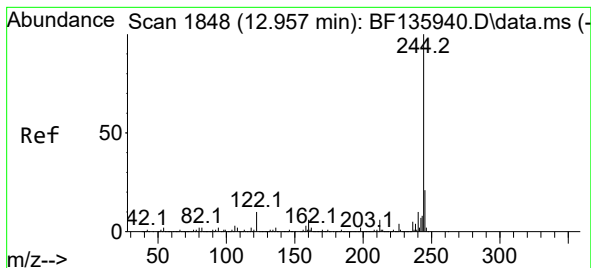
Ion Ratio Lower Upper

240 100

120 9.8 8.6 13.0

236 26.1 20.6 30.8





#79

Terphenyl-d14

Concen: 59.032 ng

RT: 12.968 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

Instrument :

BNA_F

ClientSampleId :

CONTAINMENT

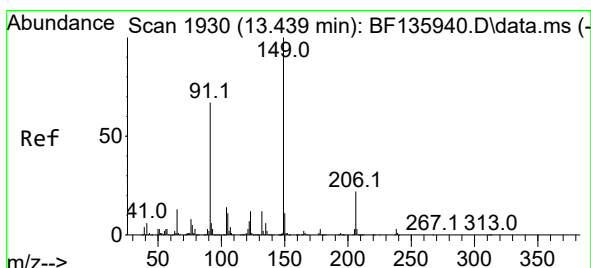
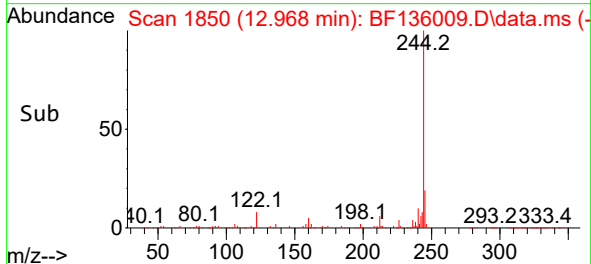
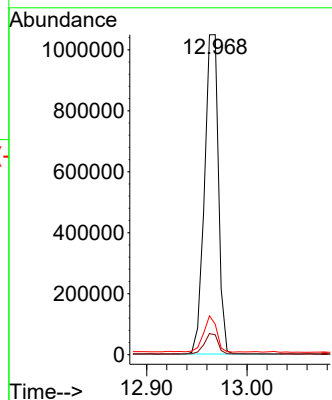
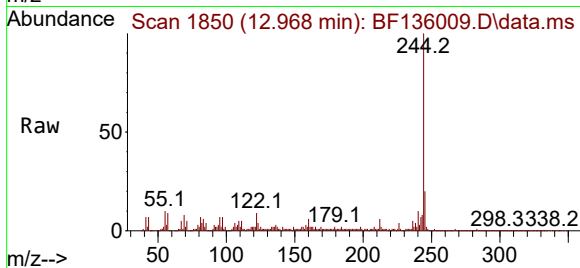
Tgt Ion:244 Resp: 1016179

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.6

122 9.5 8.0 12.0



#80

Butylbenzylphthalate

Concen: 4.017 ng

RT: 13.521 min Scan# 1944

Delta R.T. 0.082 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

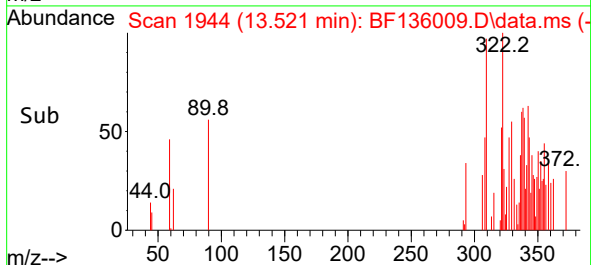
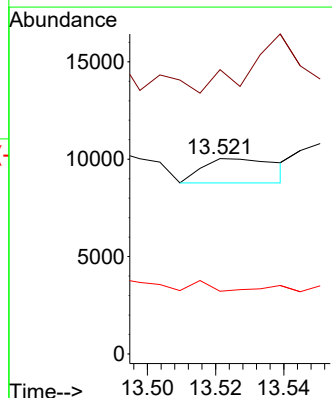
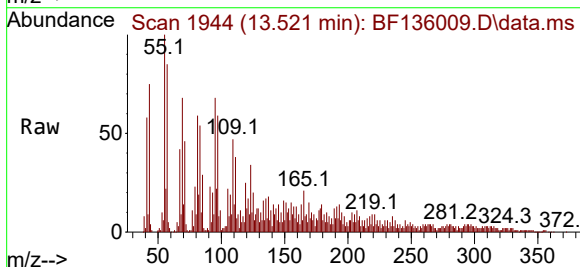
Tgt Ion:149 Resp: 1883

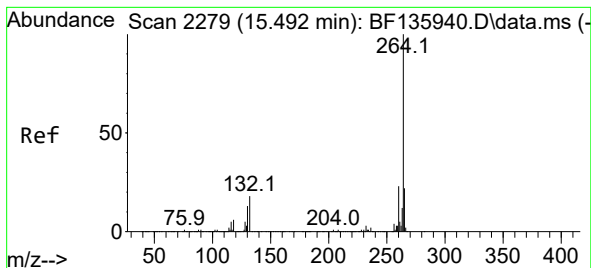
Ion Ratio Lower Upper

149 100

91 145.5 53.4 80.0#

206 32.1 17.5 26.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

Instrument :

BNA_F

ClientSampleId :

CONTAINMENT

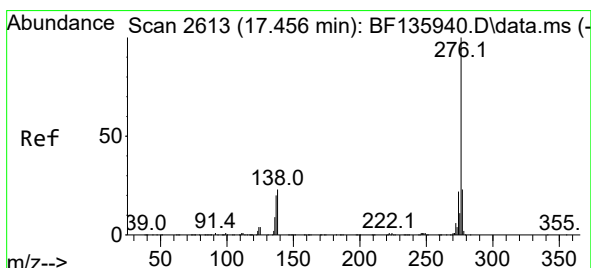
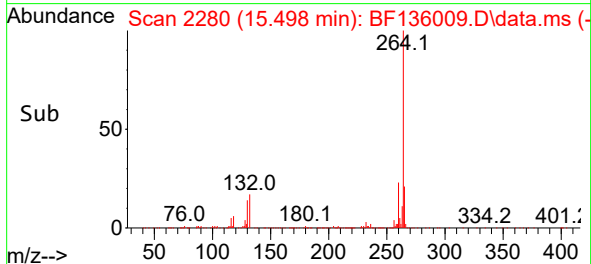
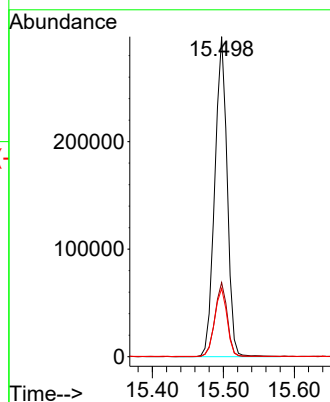
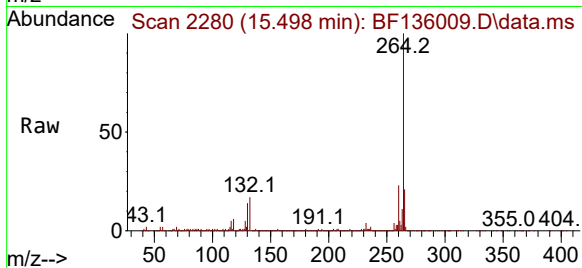
Tgt Ion:264 Resp: 359468

Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 21.3 17.3 25.9



#92

Benzo(g,h,i)perylene

Concen: 3.783 ng

RT: 17.445 min Scan# 2611

Delta R.T. -0.011 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

Tgt Ion:276 Resp: 547

Ion Ratio Lower Upper

276 100

277 112.2 18.6 28.0#

138 61.6 18.4 27.6#

