

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
 Data File : BF136032.D
 Acq On : 30 Oct 2023 17:26
 Operator : CG\JU
 Sample : PB156520BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB156520BL

Quant Time: Oct 31 01:40:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

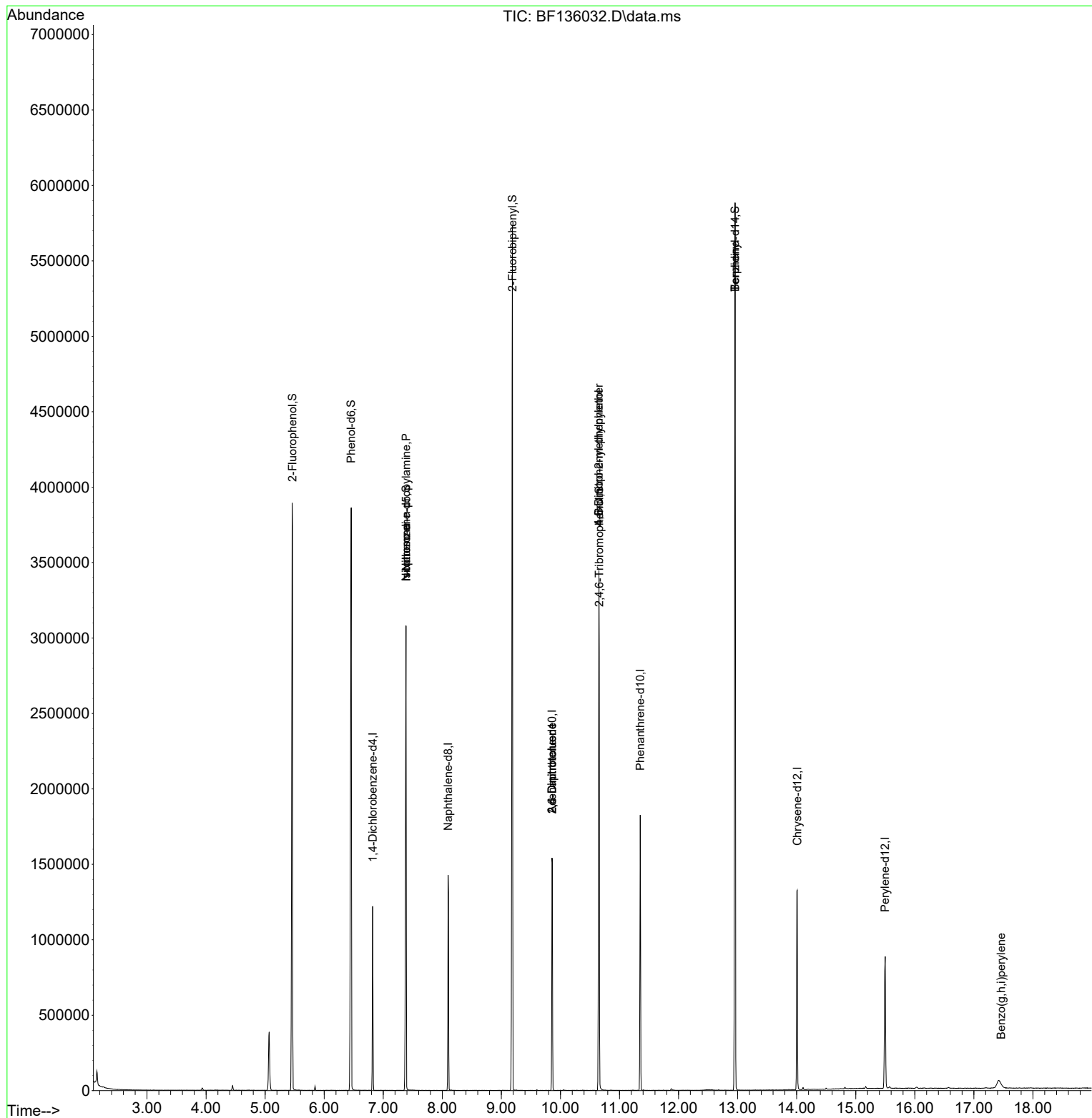
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	158258	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	629728	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	323690	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	610125	20.000	ng	0.00
76) Chrysene-d12	14.010	240	468615	20.000	ng	0.00
86) Perylene-d12	15.498	264	408375	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1325852	131.649	ng	0.01
7) Phenol-d6	6.457	99	1611655	128.439	ng	0.00
23) Nitrobenzene-d5	7.386	82	961459	92.038	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	474993	137.480	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1791574	88.231	ng	0.00
79) Terphenyl-d14	12.957	244	2254659	74.770	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.386	70	127165	17.737	ng	# 78
25) Isophorone	7.386	82	961447	48.751	ng	# 64
51) 2,6-Dinitrotoluene	9.857	165	40357	8.838	ng	# 28
57) 2,4-Dinitrotoluene	9.857	165	40357	6.985	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.651	198	1126	6.086	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	28500	4.455	ng	# 1
77) Benzidine	12.957	184	26856	2.940	ng	# 88
92) Benzo(g,h,i)perylene	17.462	276	54	2.897	ng	# 53

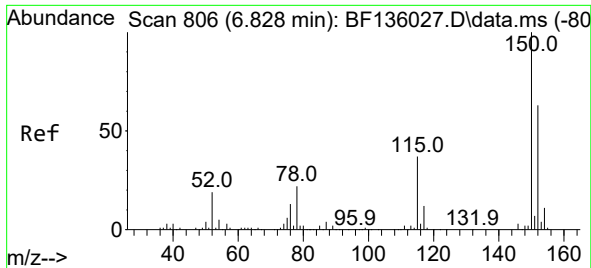
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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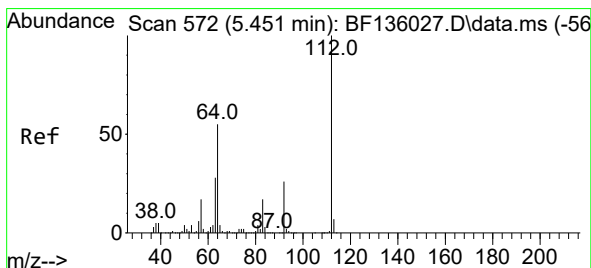
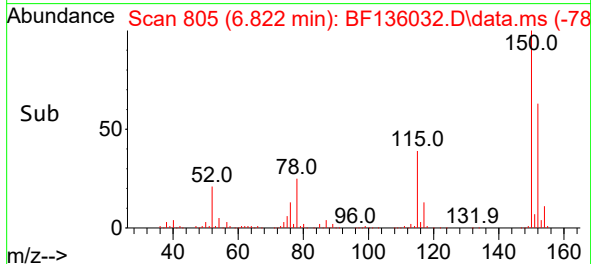
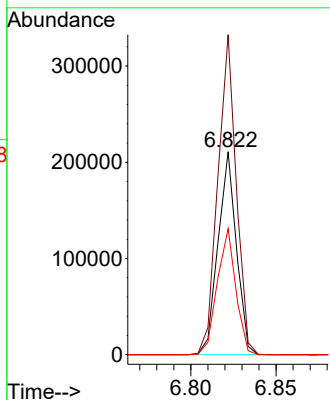
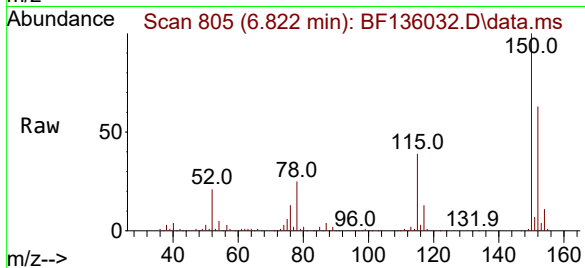




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136032.D
Acq: 30 Oct 2023 17:26

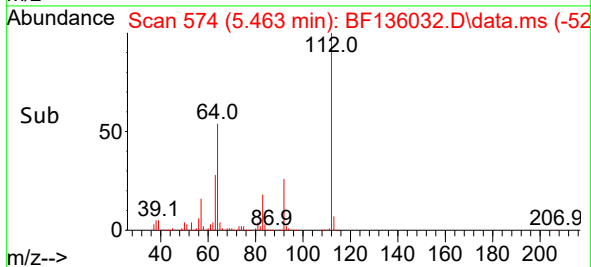
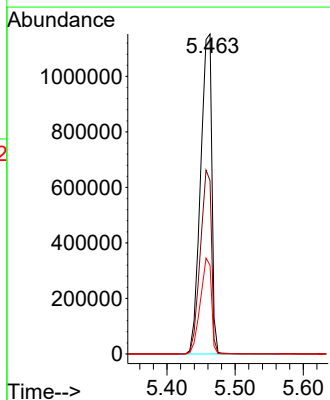
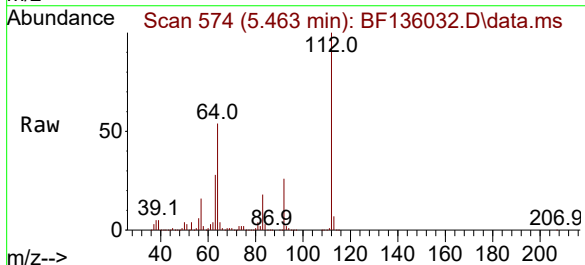
Instrument :
BNA_F
ClientSampleId :
PB156520BL

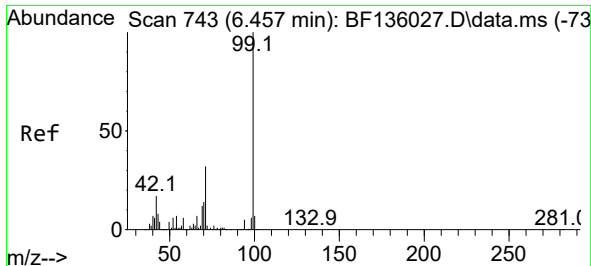
Tgt Ion:152 Resp: 158258
Ion Ratio Lower Upper
152 100
150 157.6 126.4 189.6
115 62.1 47.0 70.4



#5
2-Fluorophenol
Concen: 131.649 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.012 min
Lab File: BF136032.D
Acq: 30 Oct 2023 17:26

Tgt Ion:112 Resp: 1325852
Ion Ratio Lower Upper
112 100
64 54.1 43.9 65.9
63 27.7 22.4 33.6

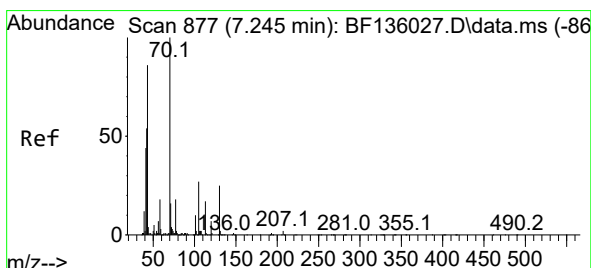
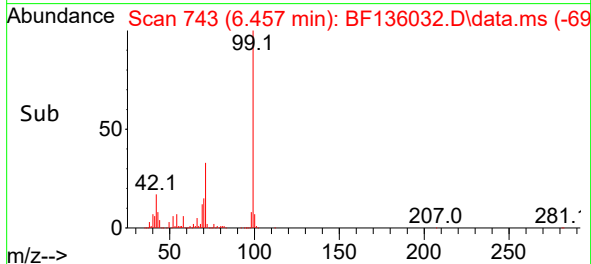
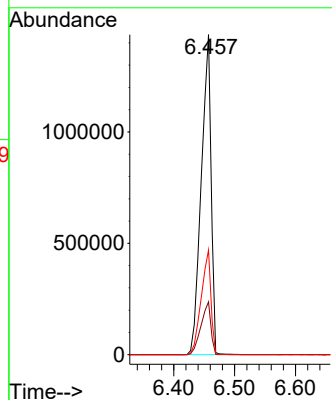
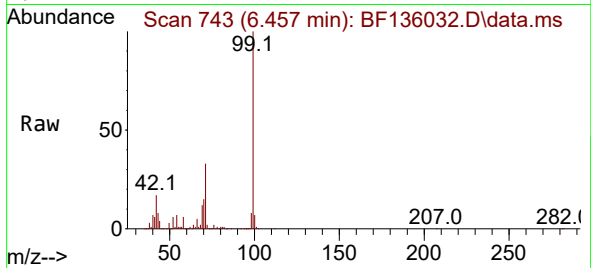




#7
Phenol-d6
Concen: 128.439 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF136032.D
Acq: 30 Oct 2023 17:26

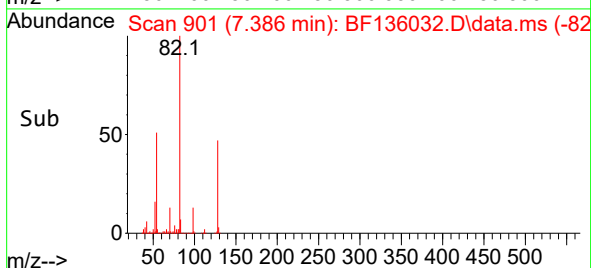
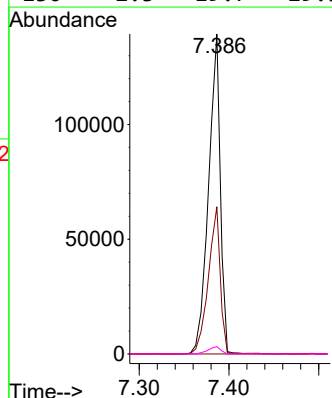
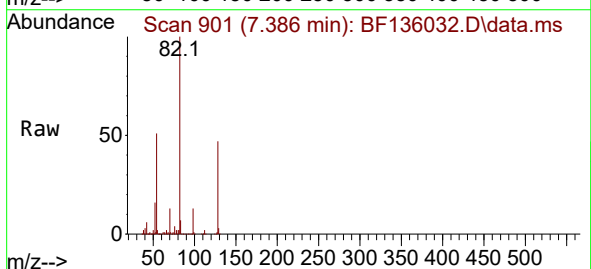
Instrument :
BNA_F
ClientSampleId :
PB156520BL

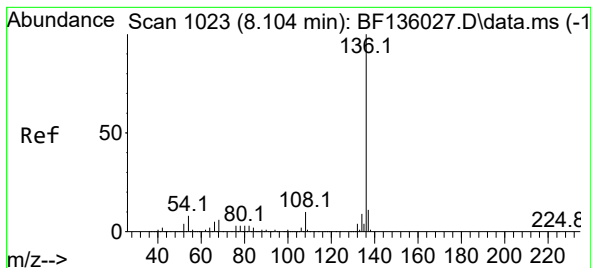
Tgt Ion: 99 Resp: 1611655
Ion Ratio Lower Upper
99 100
42 16.5 13.7 20.5
71 32.7 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 17.737 ng
RT: 7.386 min Scan# 901
Delta R.T. 0.141 min
Lab File: BF136032.D
Acq: 30 Oct 2023 17:26

Tgt Ion: 70 Resp: 127165
Ion Ratio Lower Upper
70 100
42 46.0 43.0 64.4
101 0.0 8.0 12.0#
130 2.3 19.7 29.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF136032.D

Acq: 30 Oct 2023 17:26

Instrument :

BNA_F

ClientSampleId :

PB156520BL

Tgt Ion:136 Resp: 629728

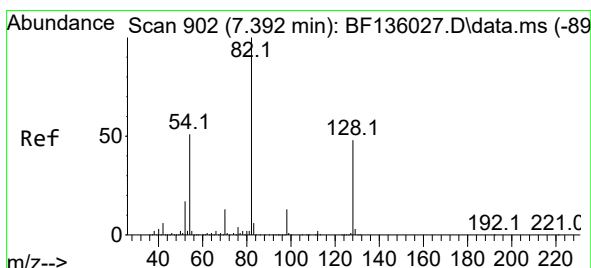
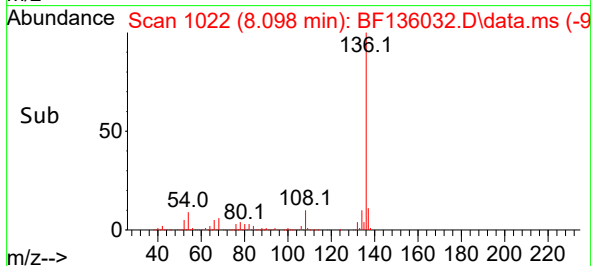
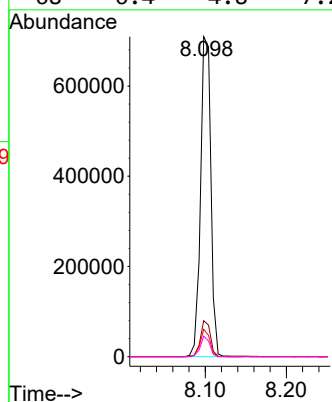
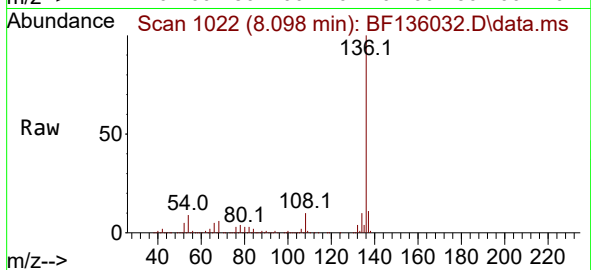
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 8.5 6.6 9.8

68 6.4 4.8 7.2



#23

Nitrobenzene-d5

Concen: 92.038 ng

RT: 7.386 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF136032.D

Acq: 30 Oct 2023 17:26

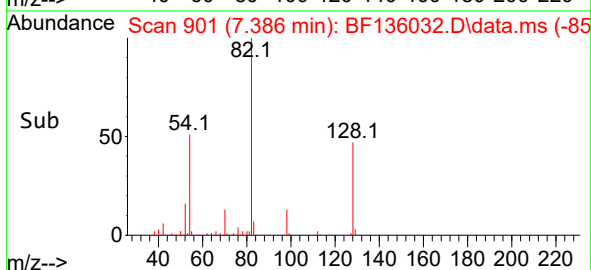
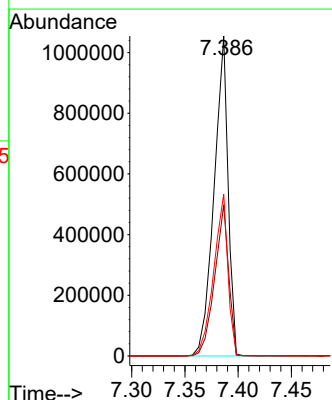
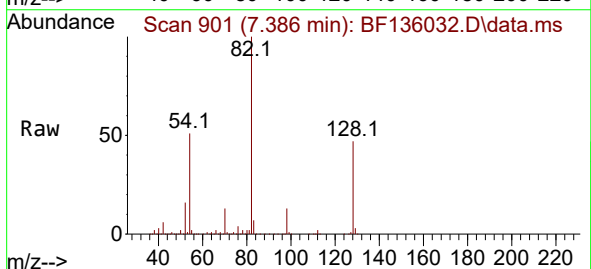
Tgt Ion: 82 Resp: 961459

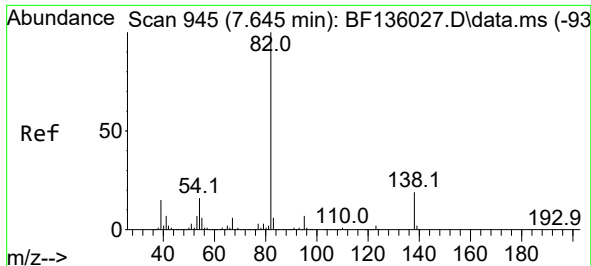
Ion Ratio Lower Upper

82 100

128 47.3 38.6 57.8

54 50.6 40.8 61.2

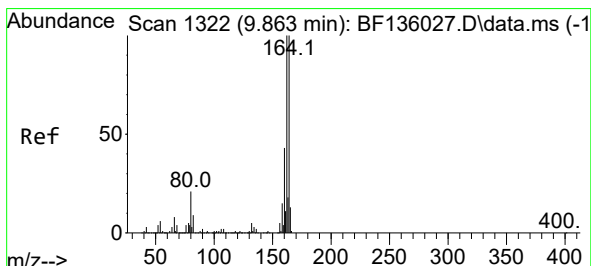
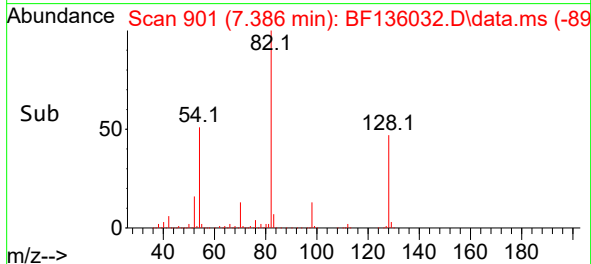
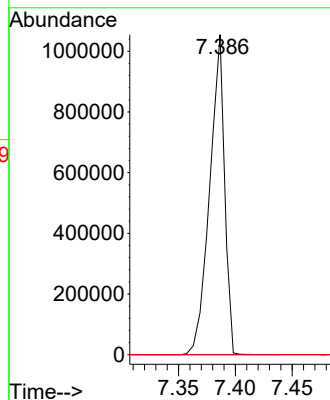
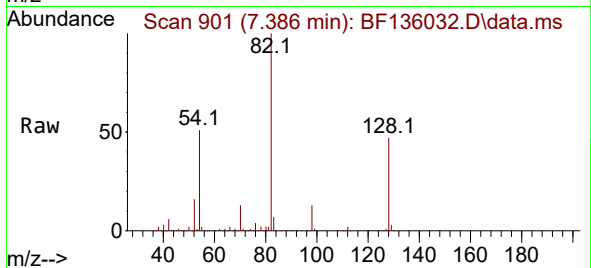




#25
Isophorone
Concen: 48.751 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF136032.D
Acq: 30 Oct 2023 17:26

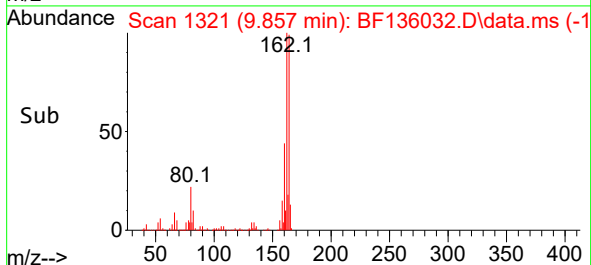
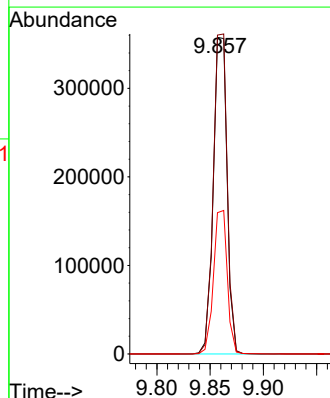
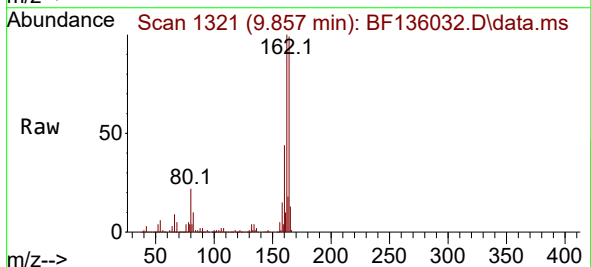
Instrument :
BNA_F
ClientSampleId :
PB156520BL

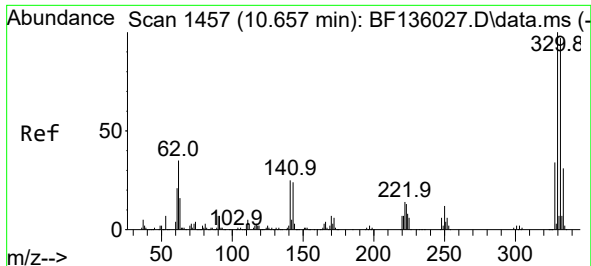
Tgt Ion: 82 Resp: 961447
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136032.D
Acq: 30 Oct 2023 17:26

Tgt Ion:164 Resp: 323690
Ion Ratio Lower Upper
164 100
162 100.7 80.1 120.1
160 44.6 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 137.480 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.000 min

Lab File: BF136032.D

Acq: 30 Oct 2023 17:26

Instrument :

BNA_F

ClientSampleId :

PB156520BL

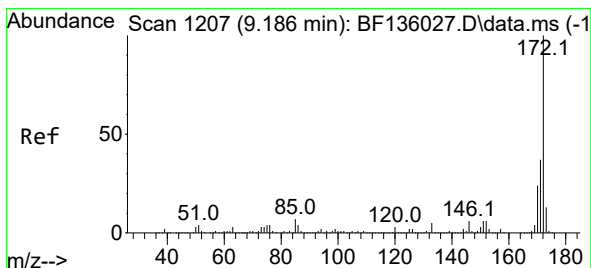
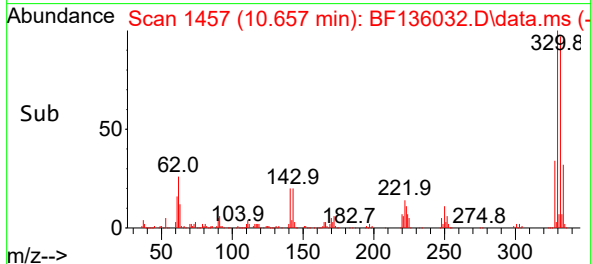
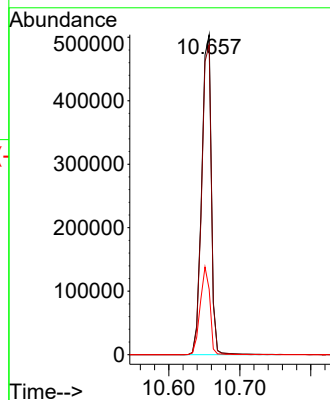
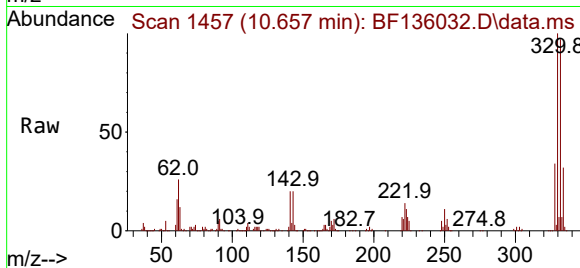
Tgt Ion:330 Resp: 474993

Ion Ratio Lower Upper

330 100

332 96.9 76.9 115.3

141 27.7 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 88.231 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF136032.D

Acq: 30 Oct 2023 17:26

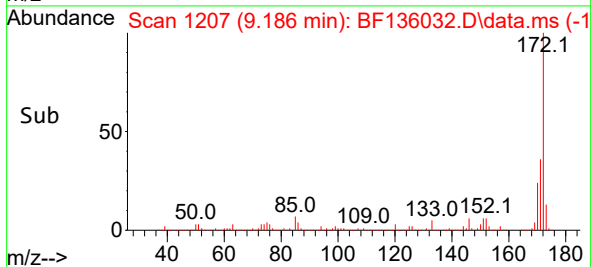
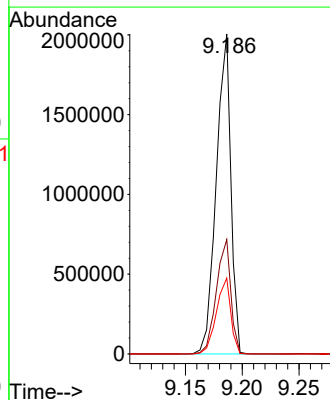
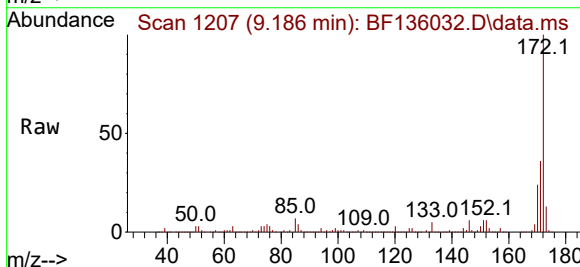
Tgt Ion:172 Resp: 1791574

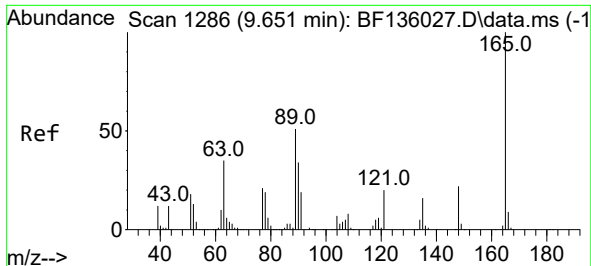
Ion Ratio Lower Upper

172 100

171 35.7 29.4 44.0

170 23.7 19.3 28.9

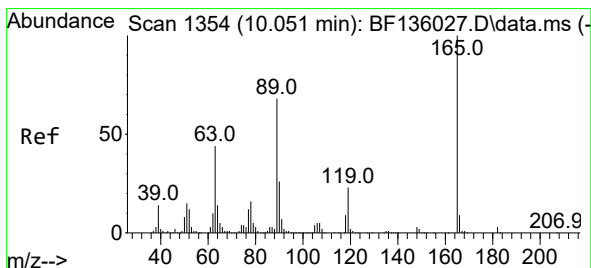
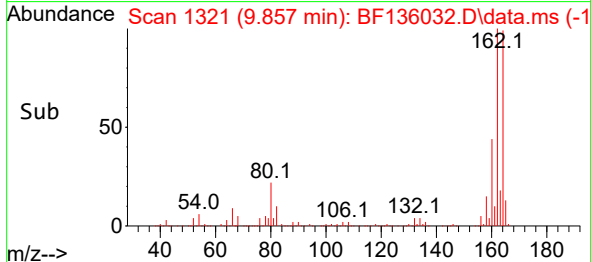
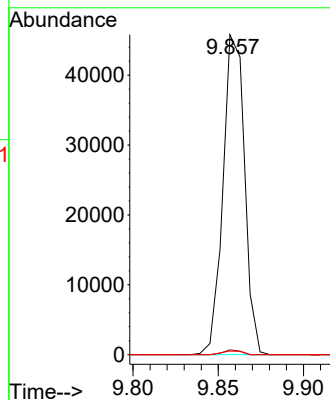
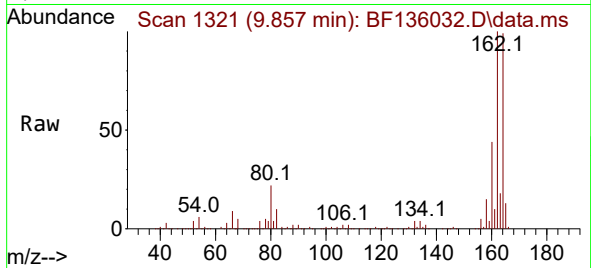




#51
2,6-Dinitrotoluene
Concen: 8.838 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF136032.D
Acq: 30 Oct 2023 17:26

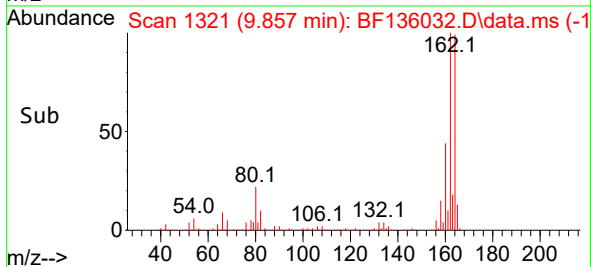
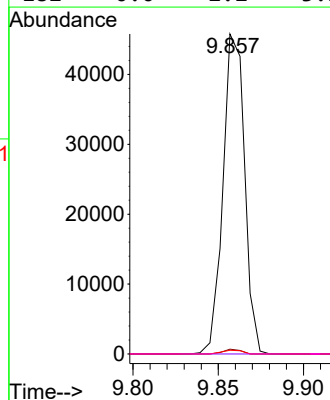
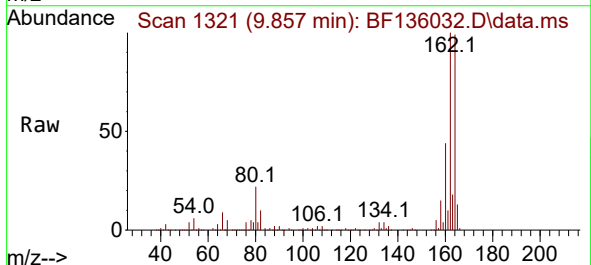
Instrument :
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PB156520BL

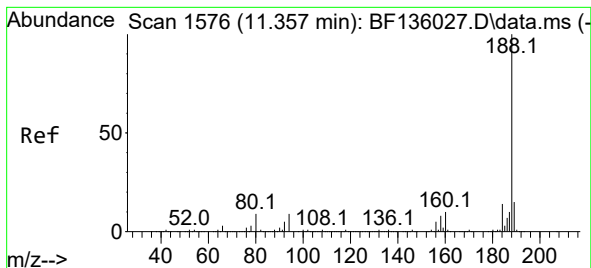
Tgt Ion:165 Resp: 40357
Ion Ratio Lower Upper
165 100
63 1.5 40.8 61.2#
89 1.2 41.1 61.7#



#57
2,4-Dinitrotoluene
Concen: 6.985 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF136032.D
Acq: 30 Oct 2023 17:26

Tgt Ion:165 Resp: 40357
Ion Ratio Lower Upper
165 100
63 1.5 35.2 52.8#
89 1.2 54.8 82.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136032.D

Acq: 30 Oct 2023 17:26

Instrument :

BNA_F

ClientSampleId :

PB156520BL

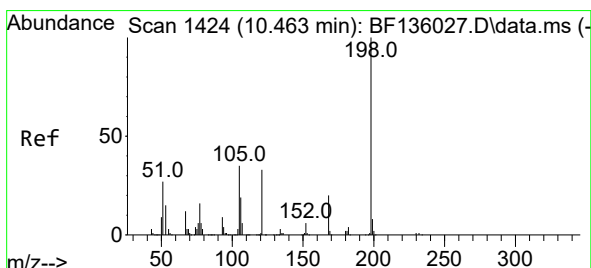
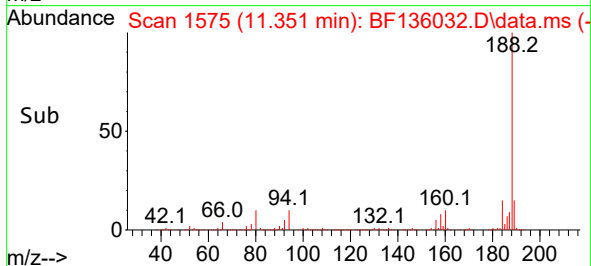
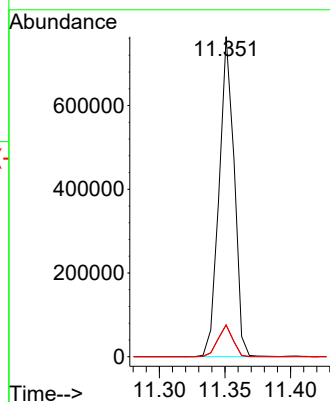
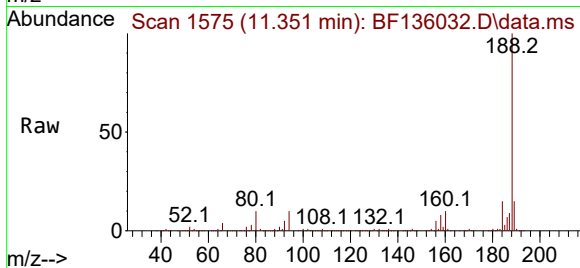
Tgt Ion:188 Resp: 610125

Ion Ratio Lower Upper

188 100

94 9.9 7.2 10.8

80 10.0 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 6.086 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.188 min

Lab File: BF136032.D

Acq: 30 Oct 2023 17:26

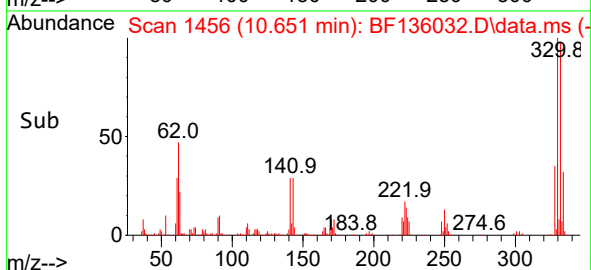
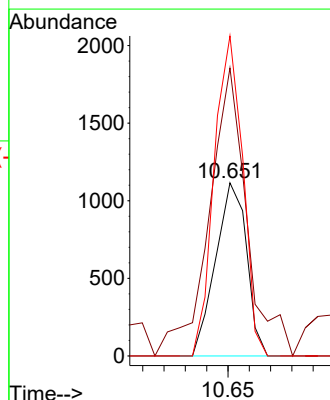
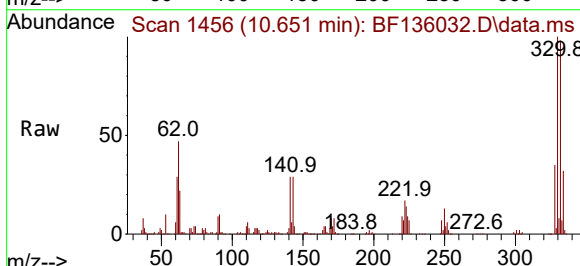
Tgt Ion:198 Resp: 1126

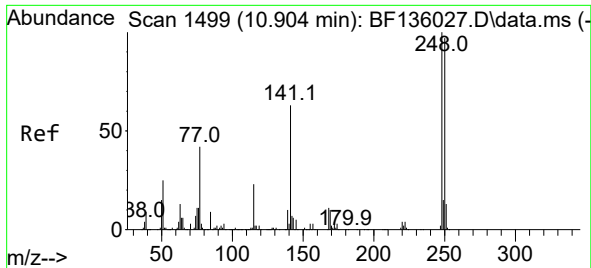
Ion Ratio Lower Upper

198 100

51 166.3 12.9 52.9#

105 184.8 16.0 56.0#

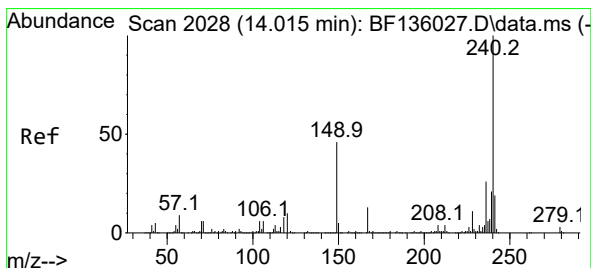
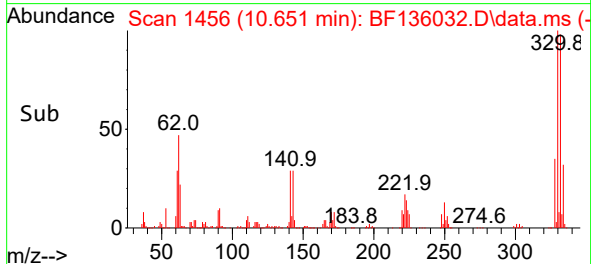
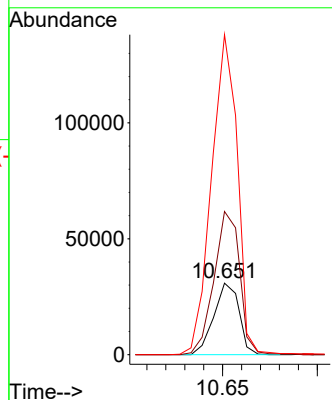
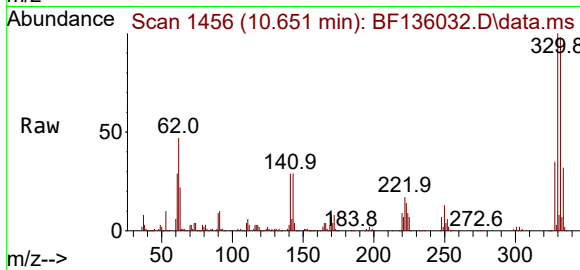




#67
4-Bromophenyl-phenylether
Concen: 4.455 ng
RT: 10.651 min Scan# 1499
Delta R.T. -0.253 min
Lab File: BF136032.D
Acq: 30 Oct 2023 17:26

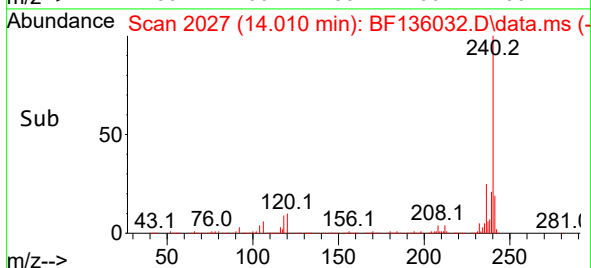
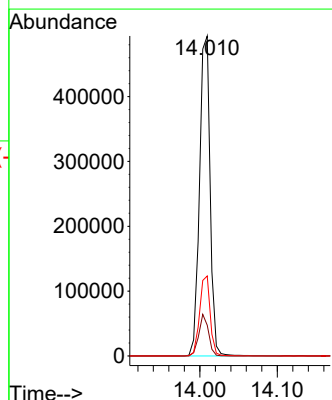
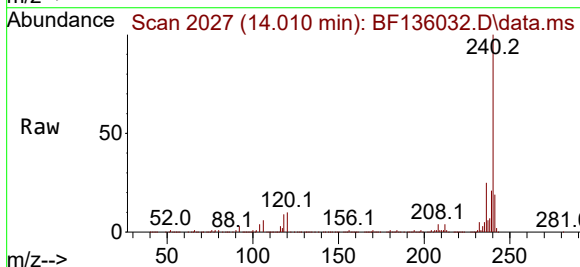
Instrument :
BNA_F
ClientSampleId :
PB156520BL

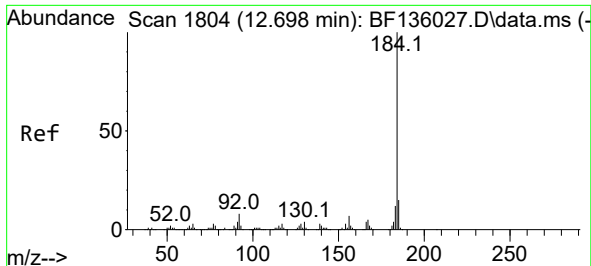
Tgt Ion:248 Resp: 28500
Ion Ratio Lower Upper
248 100
250 200.3 77.6 116.4#
141 447.5 50.4 75.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136032.D
Acq: 30 Oct 2023 17:26

Tgt Ion:240 Resp: 468615
Ion Ratio Lower Upper
240 100
120 9.6 7.6 11.4
236 25.0 20.6 31.0

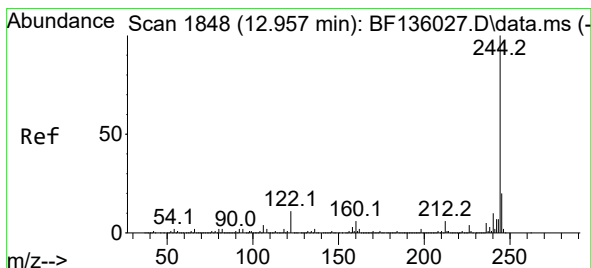
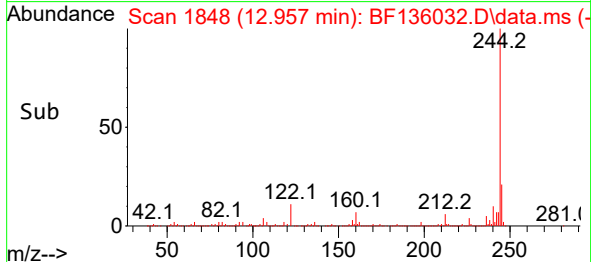
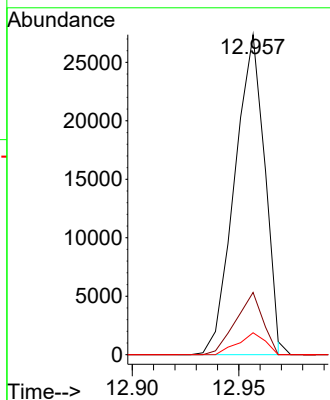
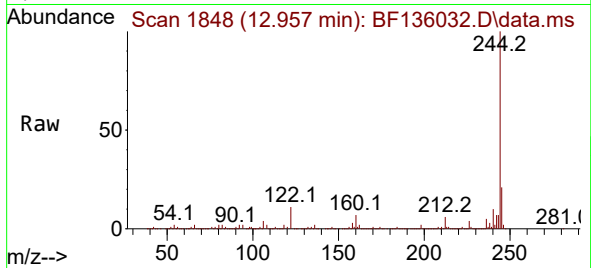




#77
Benzidine
Concen: 2.940 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.259 min
Lab File: BF136032.D
Acq: 30 Oct 2023 17:26

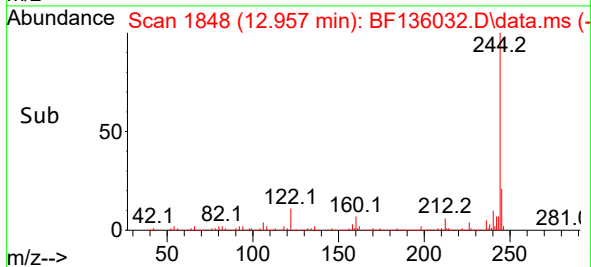
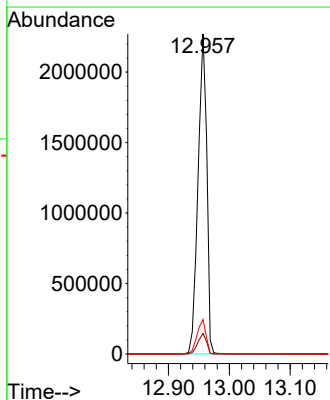
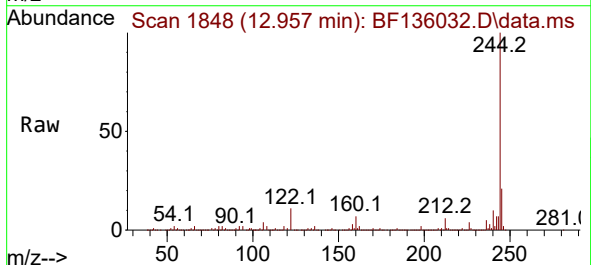
Instrument :
BNA_F
ClientSampleId :
PB156520BL

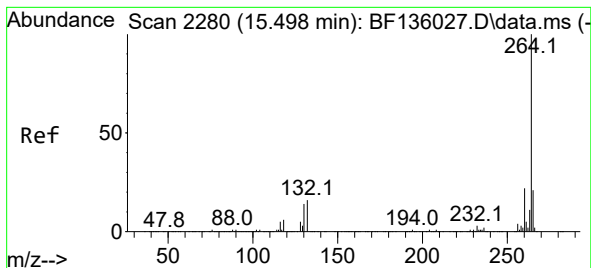
Tgt Ion:184 Resp: 26856
Ion Ratio Lower Upper
184 100
185 19.4 11.8 17.8#
183 6.9 9.5 14.3#



#79
Terphenyl-d14
Concen: 74.770 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.000 min
Lab File: BF136032.D
Acq: 30 Oct 2023 17:26

Tgt Ion:244 Resp: 2254659
Ion Ratio Lower Upper
244 100
212 6.4 5.1 7.7
122 10.7 8.6 12.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136032.D

Acq: 30 Oct 2023 17:26

Instrument :

BNA_F

ClientSampleId :

PB156520BL

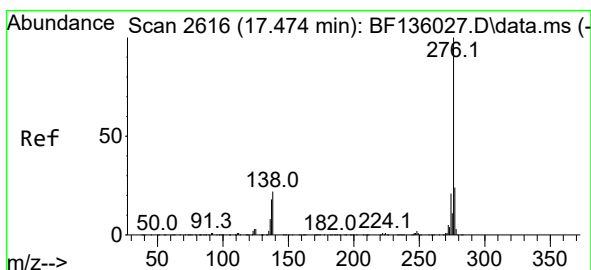
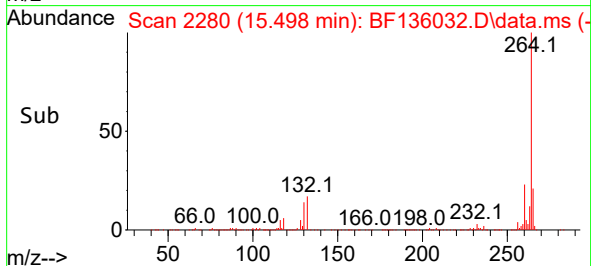
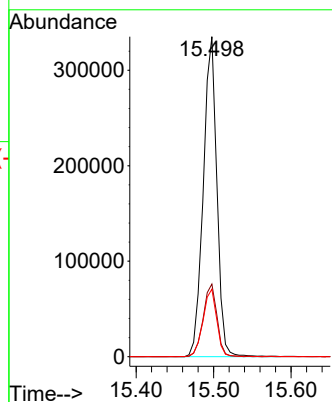
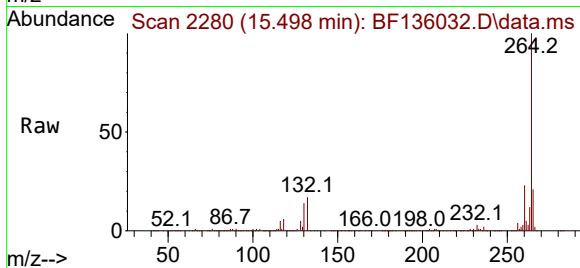
Tgt Ion:264 Resp: 408375

Ion Ratio Lower Upper

264 100

260 22.7 17.9 26.9

265 21.1 16.8 25.2



#92

Benzo(g,h,i)perylene

Concen: 2.897 ng

RT: 17.462 min Scan# 2614

Delta R.T. -0.012 min

Lab File: BF136032.D

Acq: 30 Oct 2023 17:26

Tgt Ion:276 Resp: 54

Ion Ratio Lower Upper

276 100

277 0.0 19.0 28.4#

138 0.0 17.4 26.2#

