

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136538.D
 Acq On : 13 Dec 2023 15:13
 Operator : CG\JU
 Sample : 05574-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC03-01

Quant Time: Dec 13 15:42:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

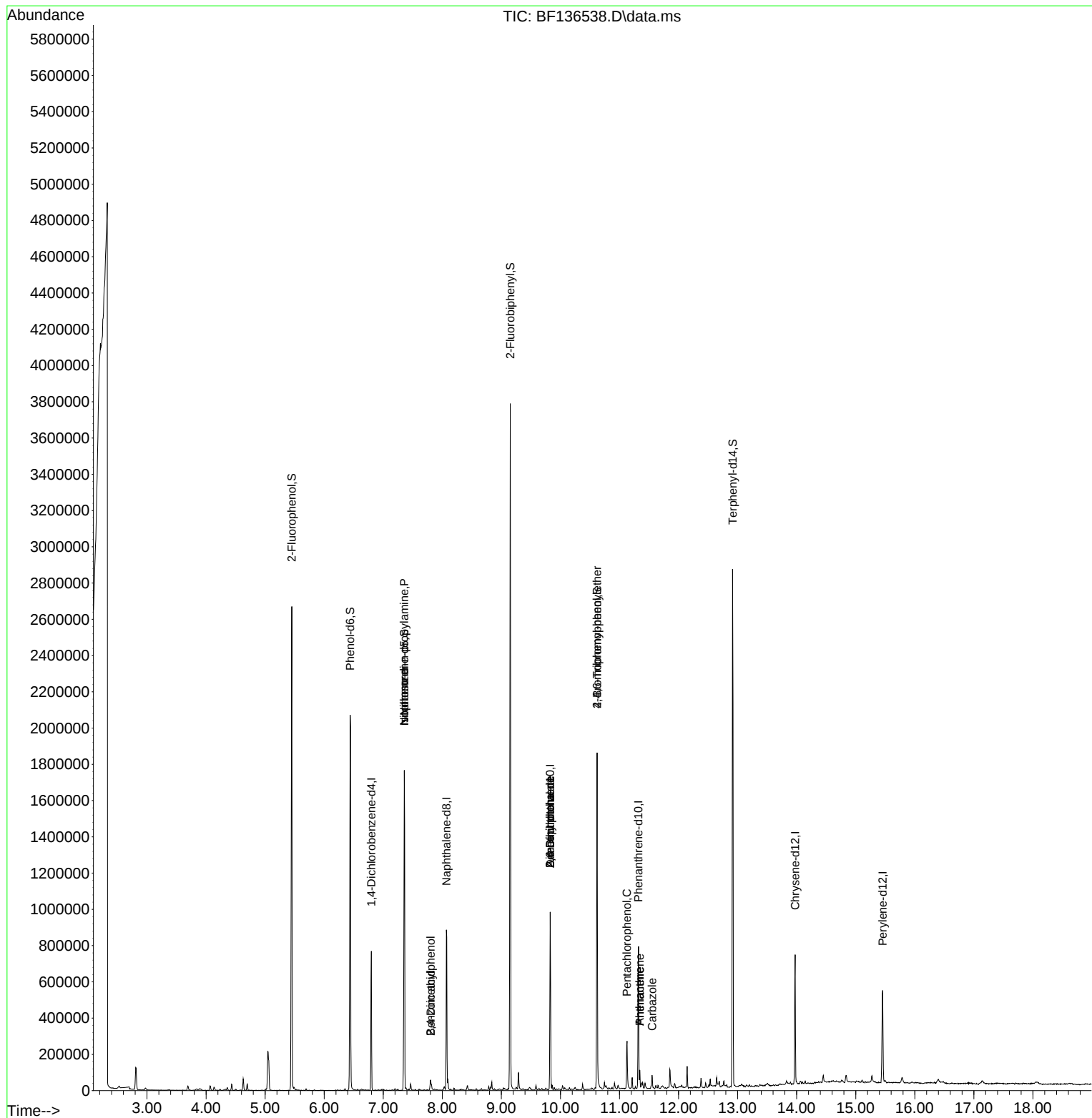
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	109311	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	411018	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	183845	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	281280	20.000	ng	0.00
76) Chrysene-d12	13.974	240	230990	20.000	ng	0.00
86) Perylene-d12	15.457	264	242322	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	764884	103.338	ng	0.02
7) Phenol-d6	6.439	99	857044	92.806	ng	0.00
23) Nitrobenzene-d5	7.357	82	618737	81.381	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	238221	105.090	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1179111	87.514	ng	-0.01
79) Terphenyl-d14	12.916	244	1007060	57.464	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	2232	Below Cal	#	81
19) n-Nitroso-di-n-propyla...	7.357	70	79184	14.864	ng	# 76
25) Isophorone	7.357	82	618730	45.297	ng	# 65
27) 2,4-Dimethylphenol	7.804	122	13149	2.836	ng	# 7
32) Benzoic acid	7.804	122	13149	2.859	ng	96
50) Dimethylphthalate	9.827	163	36645	2.707	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	24135	7.926	ng	# 28
57) 2,4-Dinitrotoluene	9.827	165	24135	5.991	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	14984	4.582	ng	# 1
70) Pentachlorophenol	11.127	266	26807	12.566	ng	96
71) Phenanthrene	11.345	178	37211	2.407	ng	97
72) Anthracene	11.345	178	37211	2.390	ng	95
73) Carbazole	11.551	167	28336	2.056	ng	98
77) Benzidine	12.563	184	547	Below Cal	#	1

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

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Quant Time: Dec 13 15:42:10 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration

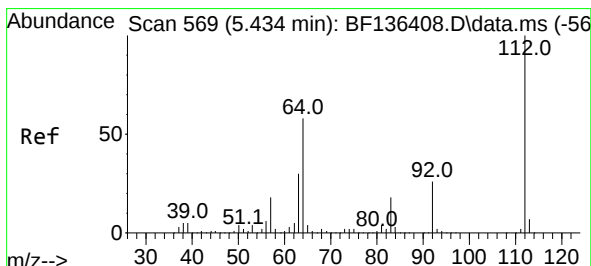
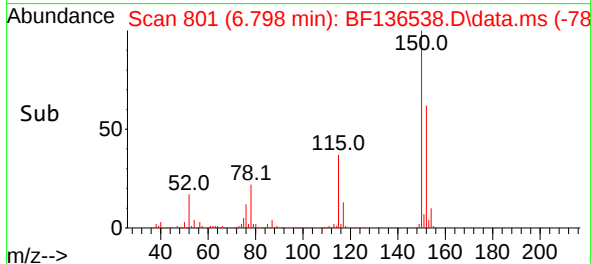
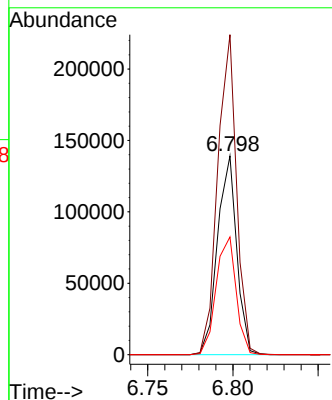
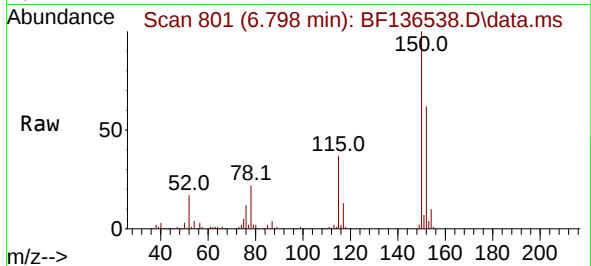




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

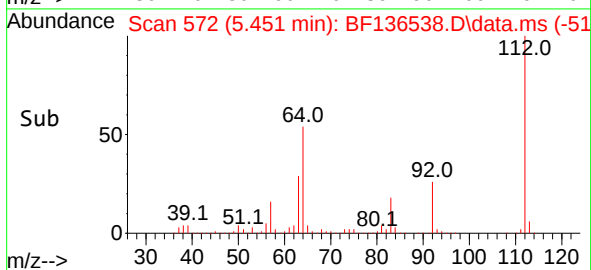
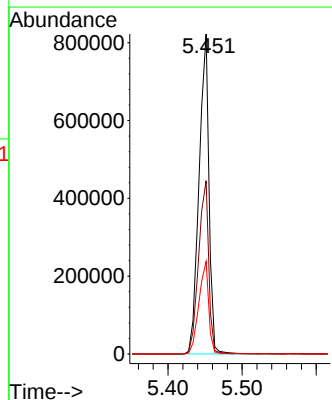
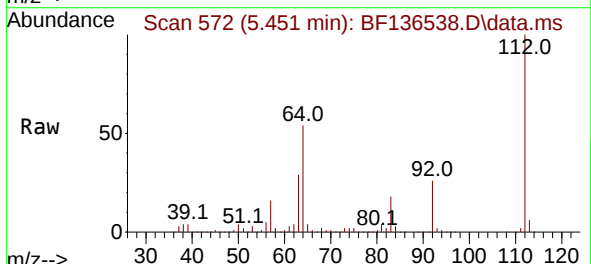
Instrument :
BNA_F
ClientSampleId :
P001-WC03-01

Tgt Ion:152 Resp: 109311
Ion Ratio Lower Upper
152 100
150 161.0 126.4 189.6
115 59.3 48.2 72.4



#5
2-Fluorophenol
Concen: 103.338 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.018 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

Tgt Ion:112 Resp: 764884
Ion Ratio Lower Upper
112 100
64 54.1 46.5 69.7
63 28.9 23.9 35.9

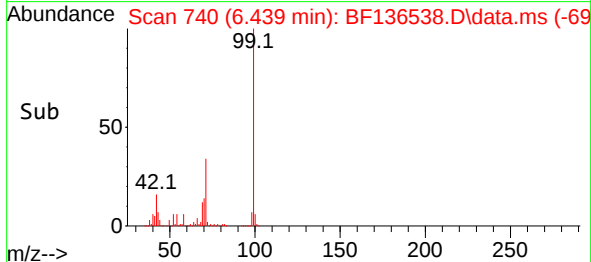
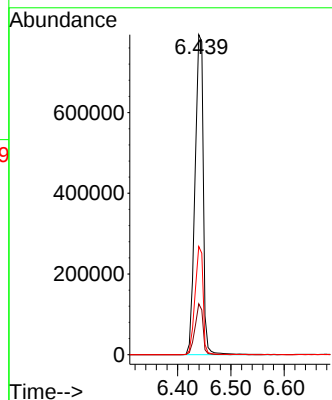
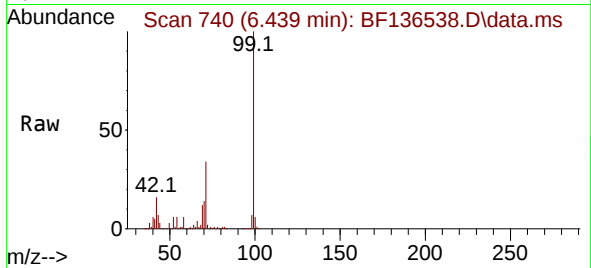




#7
Phenol-d6
Concen: 92.806 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

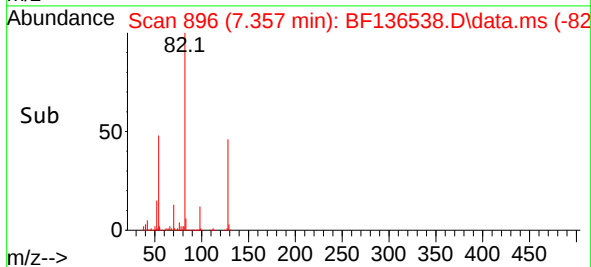
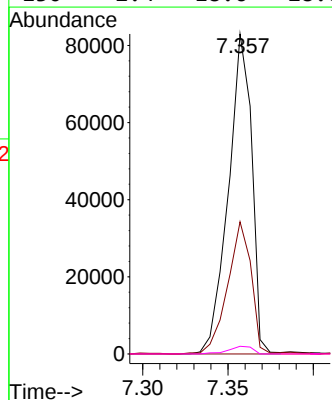
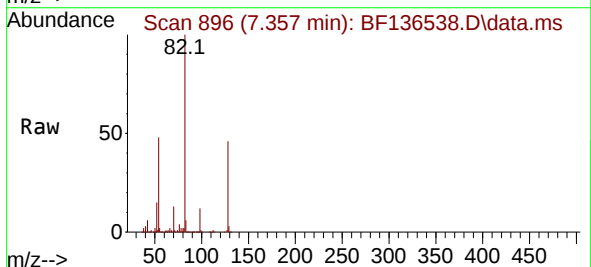
Instrument :
BNA_F
ClientSampleId :
P001-WC03-01

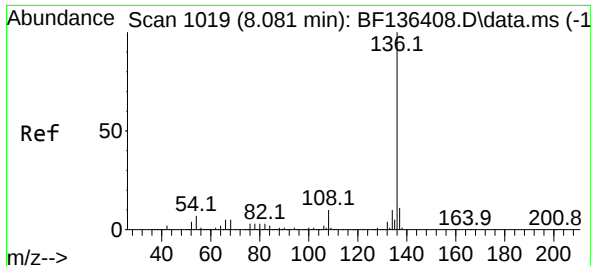
Tgt Ion: 99 Resp: 857044
Ion Ratio Lower Upper
99 100
42 15.9 12.8 19.2
71 33.8 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.864 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

Tgt Ion: 70 Resp: 79184
Ion Ratio Lower Upper
70 100
42 41.3 41.4 62.0#
101 0.0 8.2 12.4#
130 2.4 18.6 28.0#

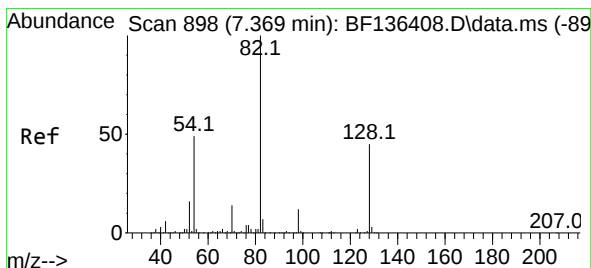
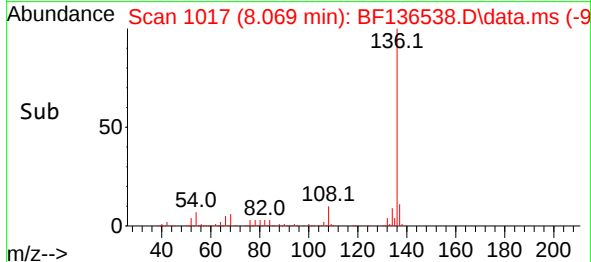
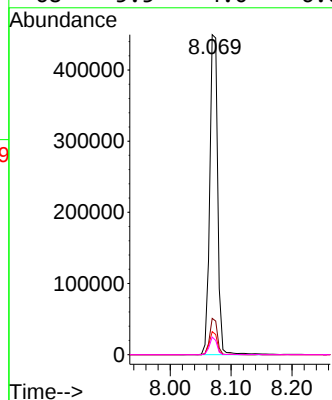
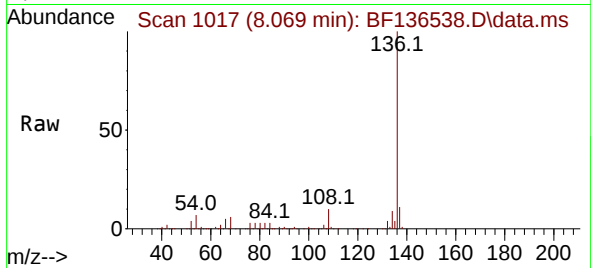




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

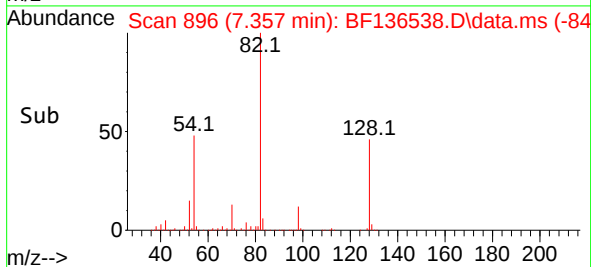
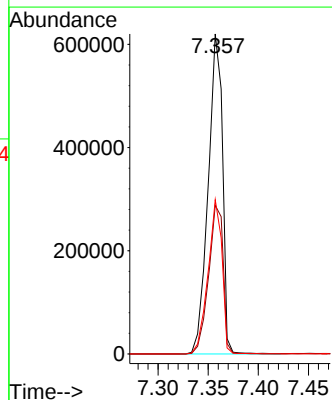
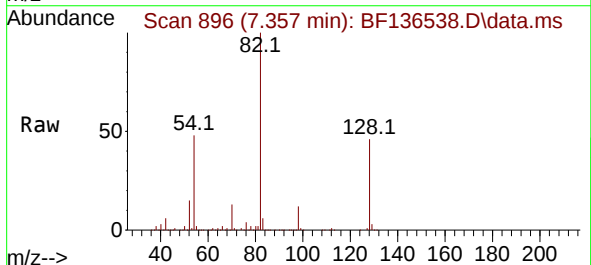
Instrument :
BNA_F
ClientSampleId :
P001-WC03-01

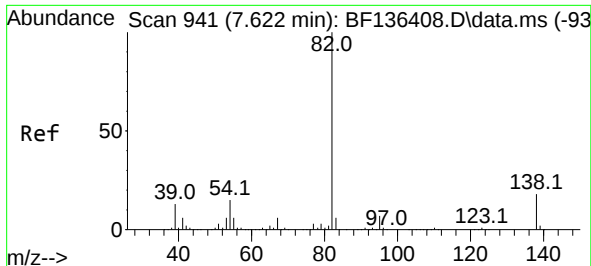
Tgt Ion:136	Resp:	411018	
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	7.2	5.7	8.5
68	5.5	4.0	6.0



#23
Nitrobenzene-d5
Concen: 81.381 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

Tgt Ion: 82	Resp: 618737
Ion Ratio	Lower Upper
82 100	
128 46.4	36.3 54.5
54 48.2	39.0 58.6

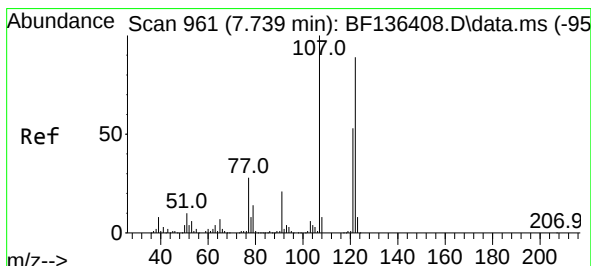
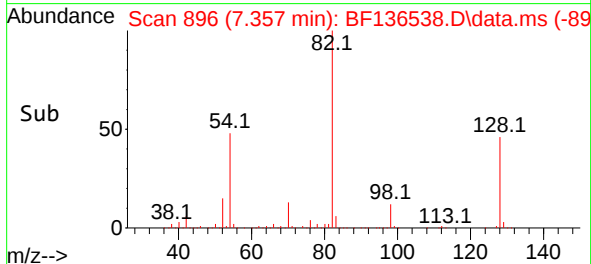
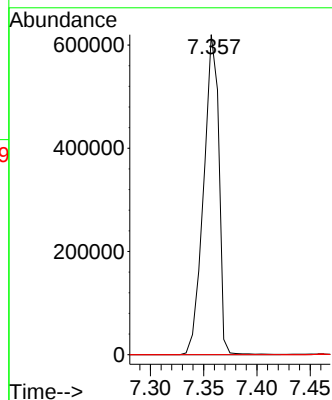
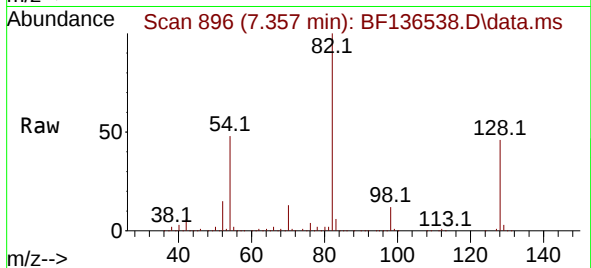




#25
Isophorone
Concen: 45.297 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

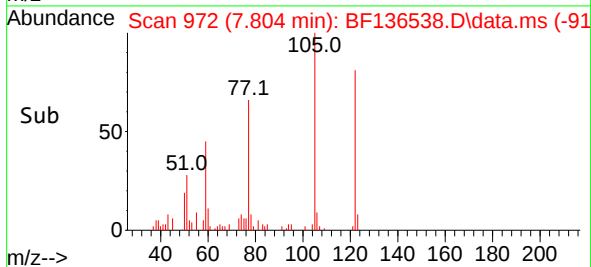
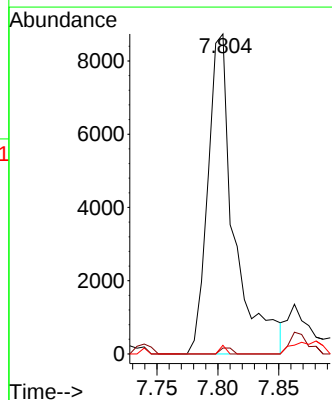
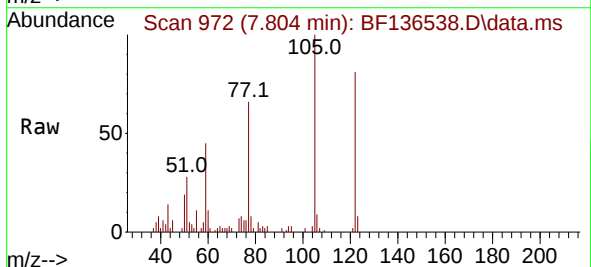
Instrument :
BNA_F
ClientSampleId :
P001-WC03-01

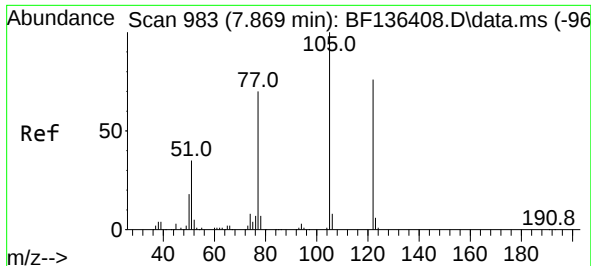
Tgt Ion: 82 Resp: 618730
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#27
2,4-Dimethylphenol
Concen: 2.836 ng
RT: 7.804 min Scan# 972
Delta R.T. 0.065 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

Tgt Ion: 122 Resp: 13149
Ion Ratio Lower Upper
122 100
107 1.9 89.3 133.9#
121 2.7 47.6 71.4#

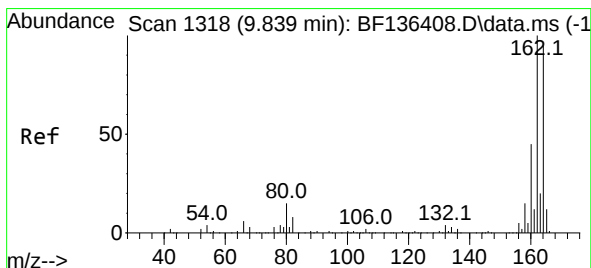
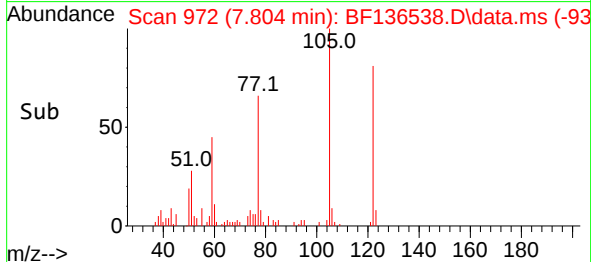
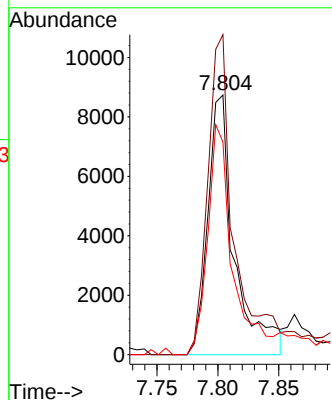
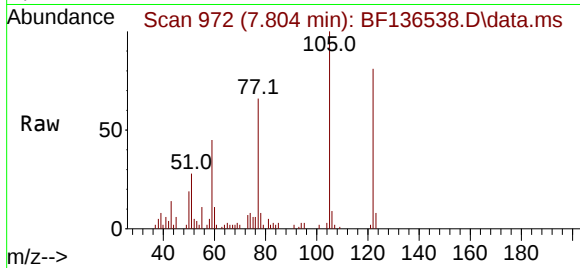




#32
Benzoic acid
Concen: 2.859 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.065 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

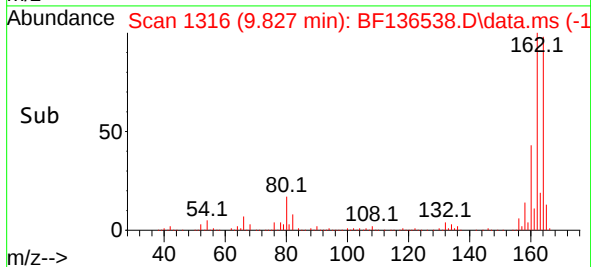
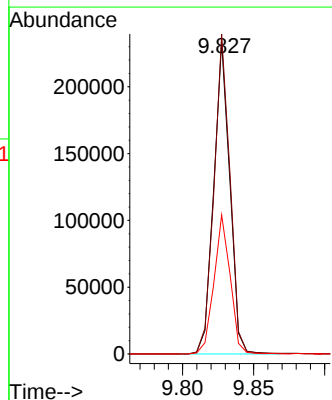
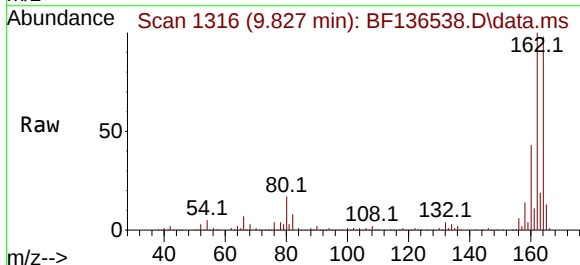
Instrument :
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P001-WC03-01

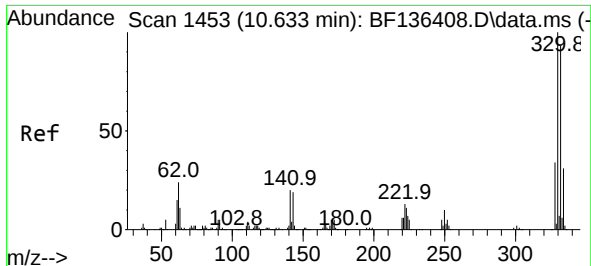
Tgt Ion:122 Resp: 13149
Ion Ratio Lower Upper
122 100
105 123.2 104.7 144.7
77 81.9 68.5 108.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

Tgt Ion:164 Resp: 183845
Ion Ratio Lower Upper
164 100
162 102.4 84.4 126.6
160 44.5 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 105.090 ng

RT: 10.622 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF136538.D

Acq: 13 Dec 2023 15:13

Instrument :

BNA_F

ClientSampleId :

P001-WC03-01

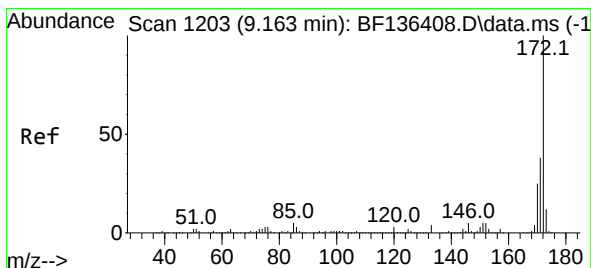
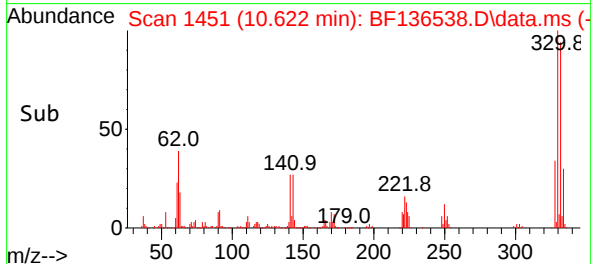
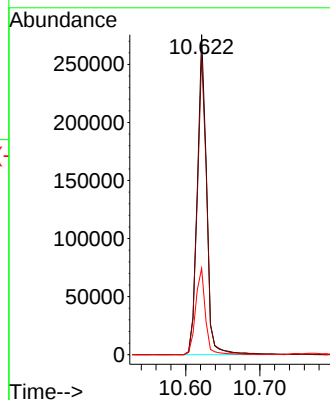
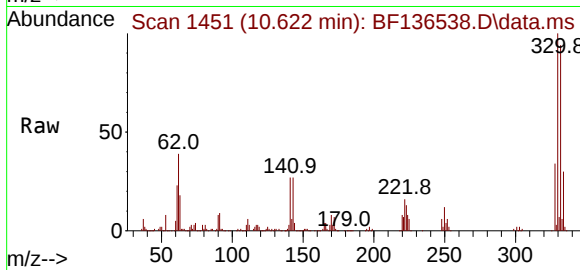
Tgt Ion:330 Resp: 238221

Ion Ratio Lower Upper

330 100

332 96.0 76.4 114.6

141 28.5 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 87.514 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136538.D

Acq: 13 Dec 2023 15:13

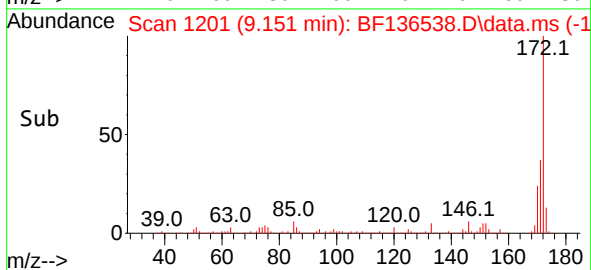
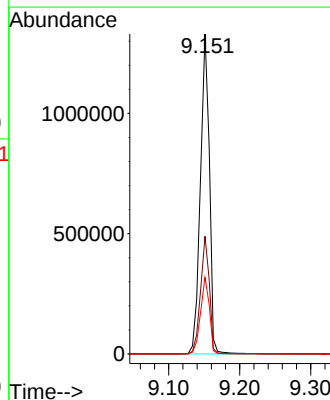
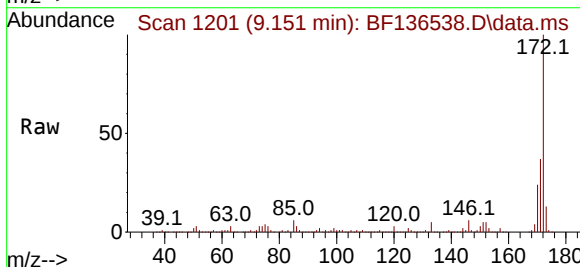
Tgt Ion:172 Resp: 1179111

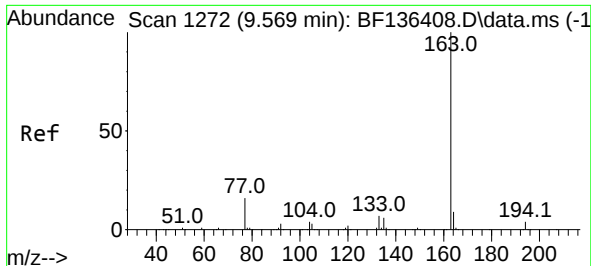
Ion Ratio Lower Upper

172 100

171 36.8 30.5 45.7

170 24.0 19.9 29.9

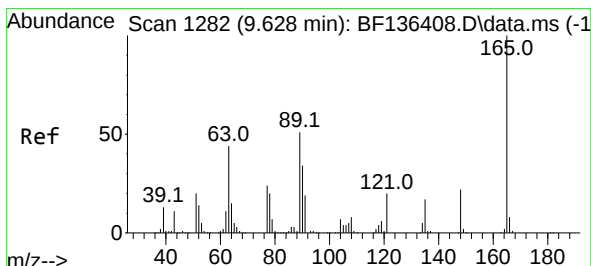
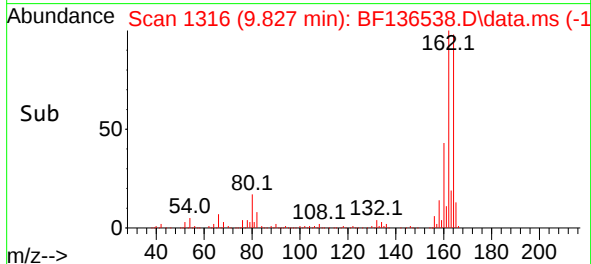
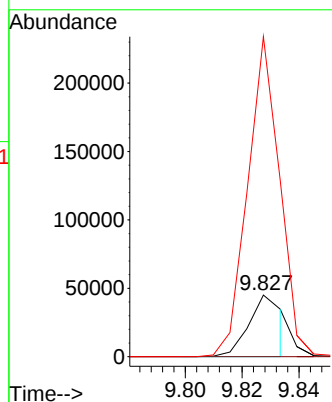
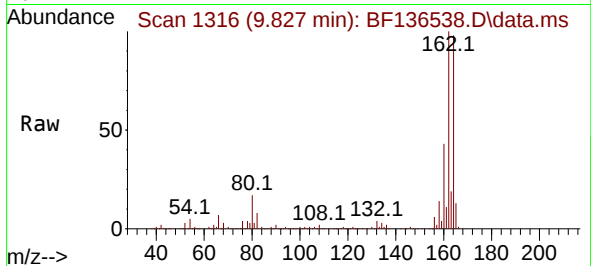




#50
Dimethylphthalate
Concen: 2.707 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

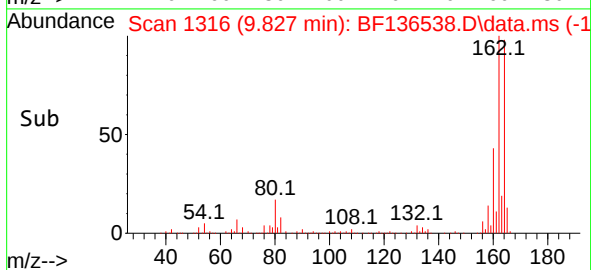
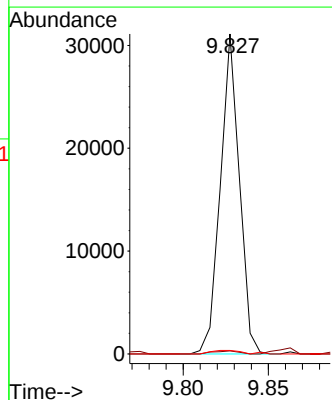
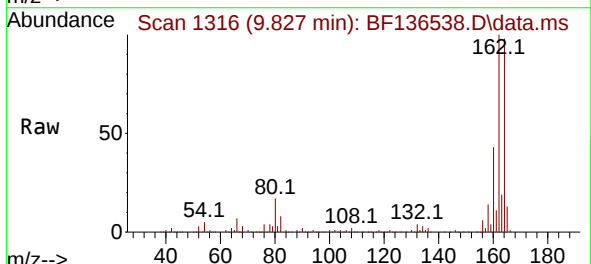
Instrument :
BNA_F
ClientSampleId :
P001-WC03-01

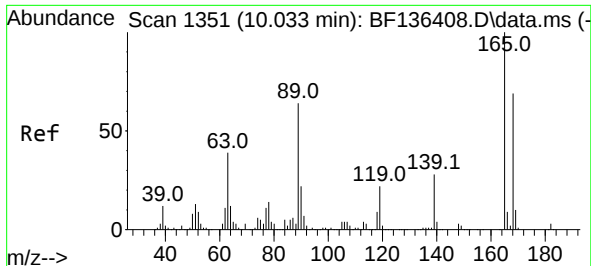
Tgt Ion:163 Resp: 36645
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 519.2 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.926 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

Tgt Ion:165 Resp: 24135
Ion Ratio Lower Upper
165 100
63 0.9 40.4 60.6#
89 1.1 40.6 60.8#

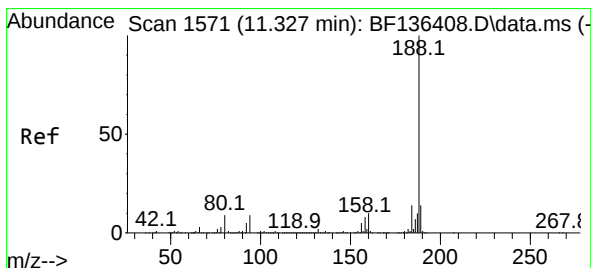
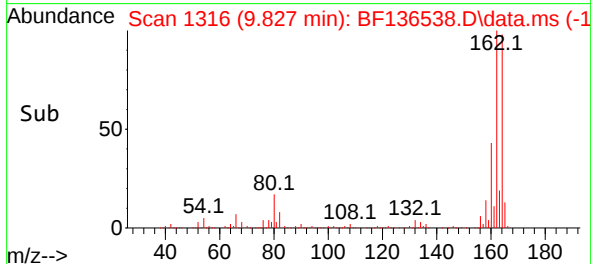
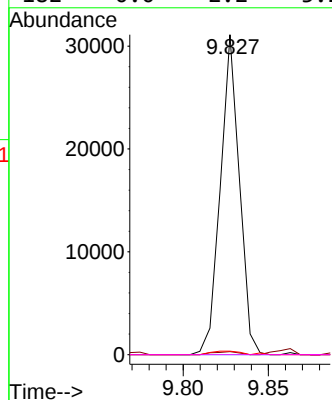
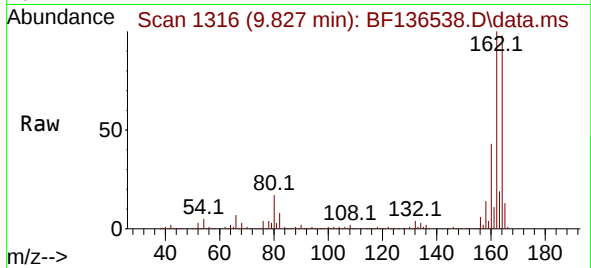




#57
2,4-Dinitrotoluene
Concen: 5.991 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

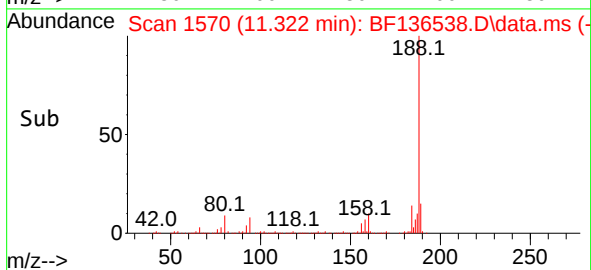
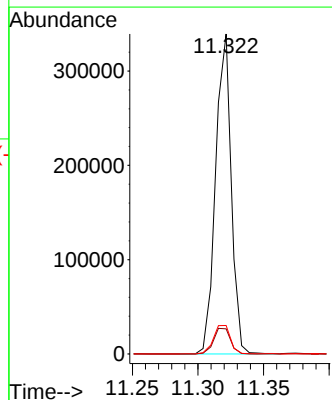
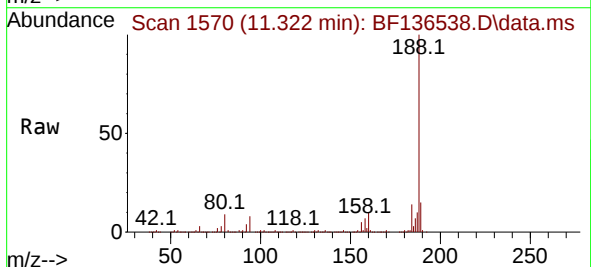
Instrument :
BNA_F
ClientSampleId :
P001-WC03-01

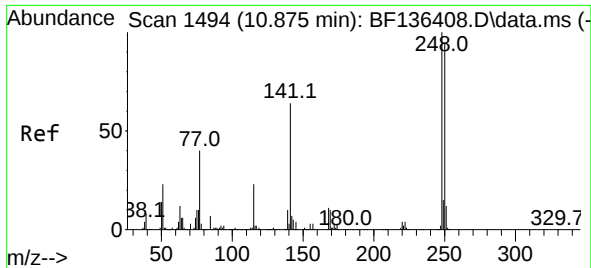
Tgt Ion:165 Resp: 24135
Ion Ratio Lower Upper
165 100
63 0.9 31.4 47.2#
89 1.1 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

Tgt Ion:188 Resp: 281280
Ion Ratio Lower Upper
188 100
94 7.9 7.2 10.8
80 8.9 7.2 10.8

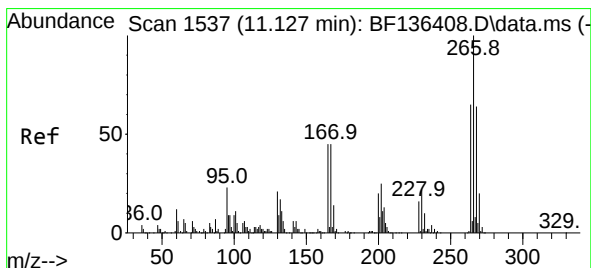
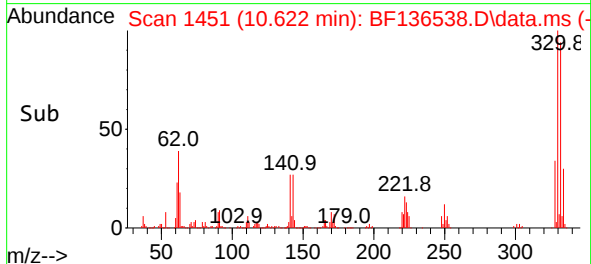
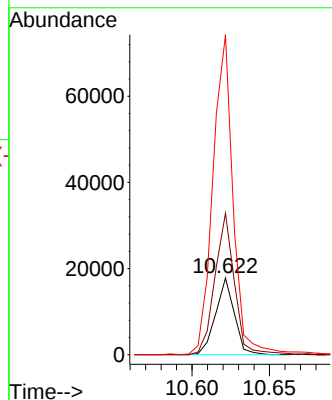
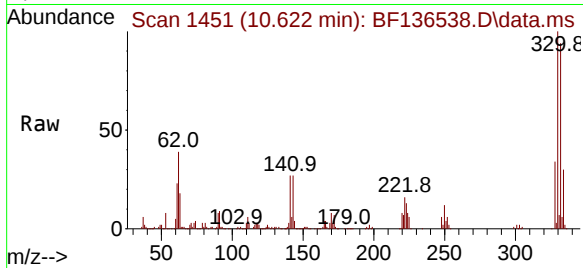




#67
4-Bromophenyl-phenylether
Concen: 4.582 ng
RT: 10.622 min Scan# 1494
Delta R.T. -0.253 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

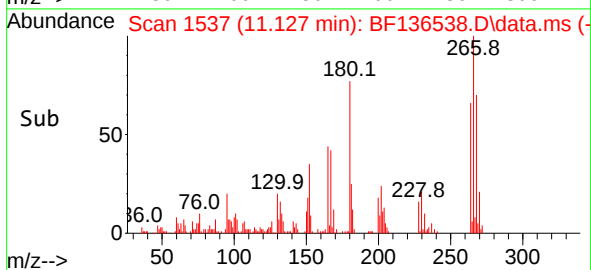
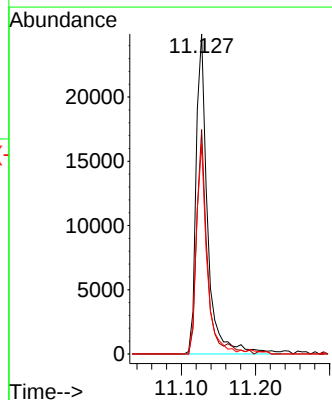
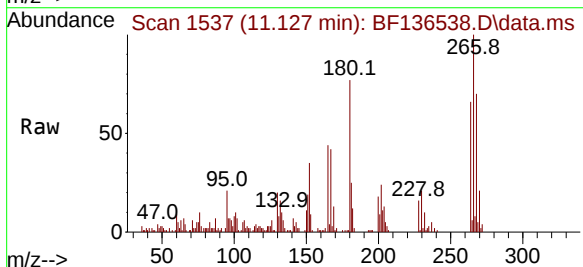
Instrument :
BNA_F
ClientSampleId :
P001-WC03-01

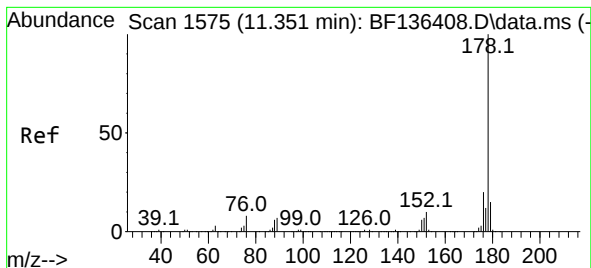
Tgt Ion:248 Resp: 14984
Ion Ratio Lower Upper
248 100
250 184.4 76.2 114.2#
141 417.3 51.0 76.4#



#70
Pentachlorophenol
Concen: 12.566 ng
RT: 11.127 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BF136538.D
Acq: 13 Dec 2023 15:13

Tgt Ion:266 Resp: 26807
Ion Ratio Lower Upper
266 100
268 70.1 51.0 76.6
264 65.7 52.2 78.4





#71

Phenanthrene

Concen: 2.407 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF136538.D

Acq: 13 Dec 2023 15:13

Instrument :

BNA_F

ClientSampleId :

P001-WC03-01

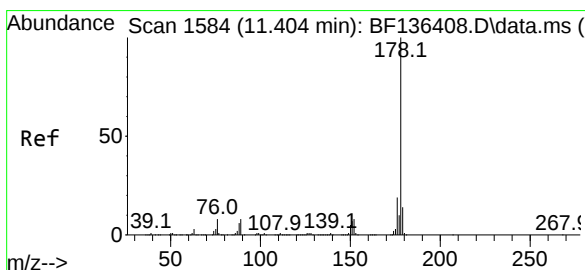
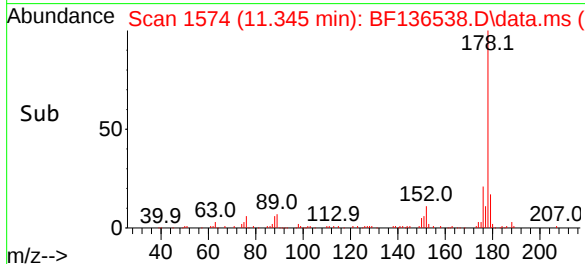
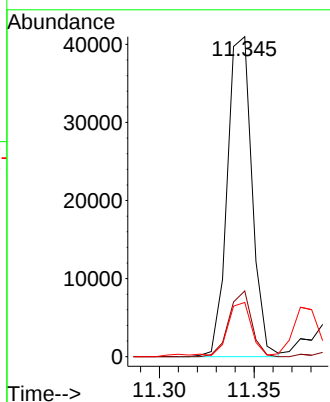
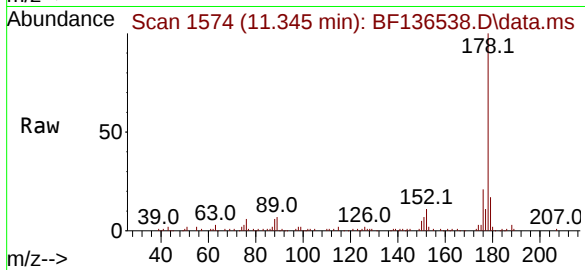
Tgt Ion:178 Resp: 37211

Ion Ratio Lower Upper

178 100

176 20.6 15.9 23.9

179 17.0 11.8 17.6



#72

Anthracene

Concen: 2.390 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.059 min

Lab File: BF136538.D

Acq: 13 Dec 2023 15:13

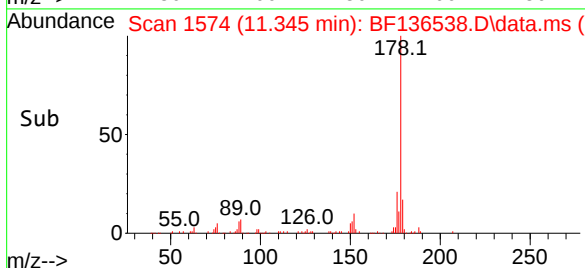
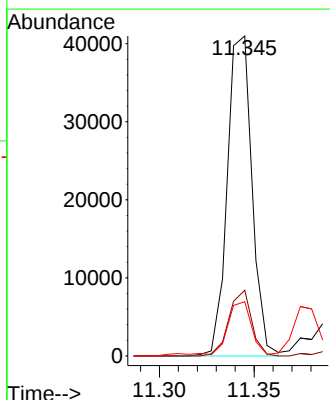
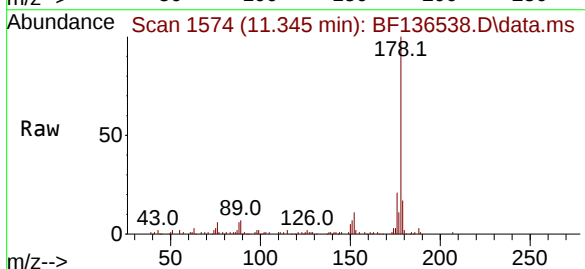
Tgt Ion:178 Resp: 37211

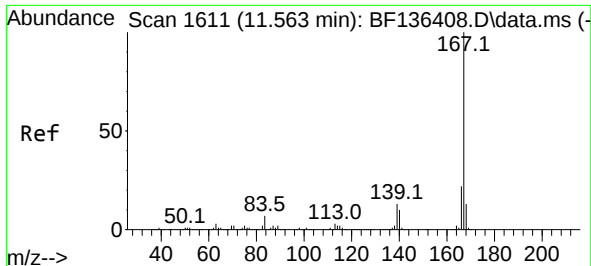
Ion Ratio Lower Upper

178 100

176 20.6 15.3 22.9

179 17.0 11.4 17.0

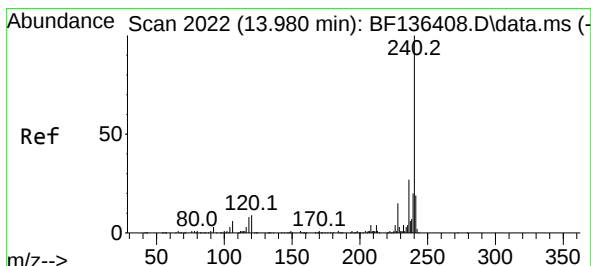
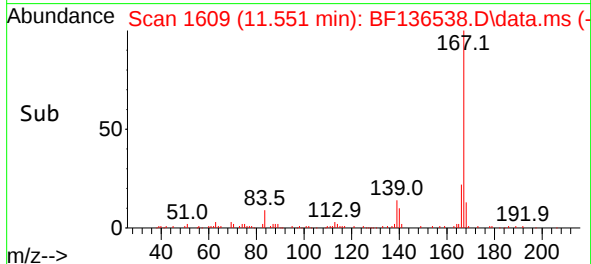
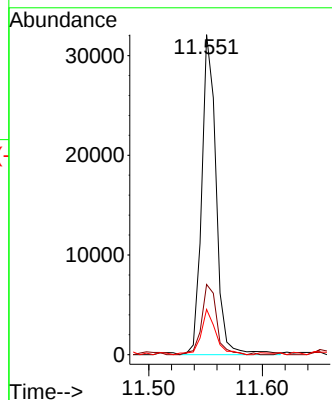
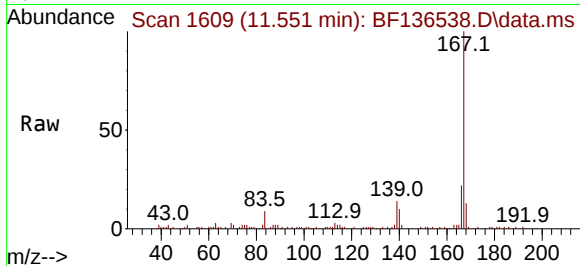




#73
 Carbazole
 Concen: 2.056 ng
 RT: 11.551 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF136538.D
 Acq: 13 Dec 2023 15:13

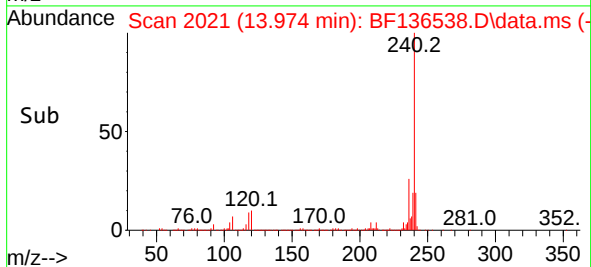
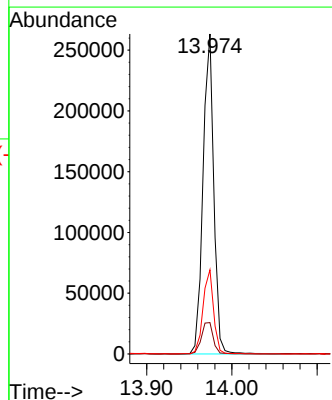
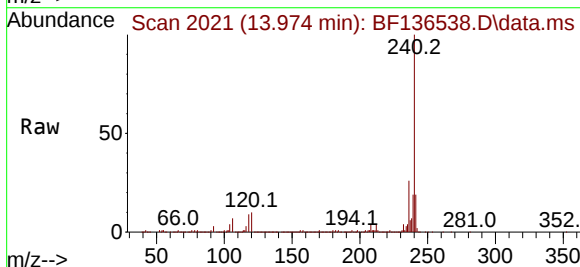
Instrument :
 BNA_F
 ClientSampleId :
 P001-WC03-01

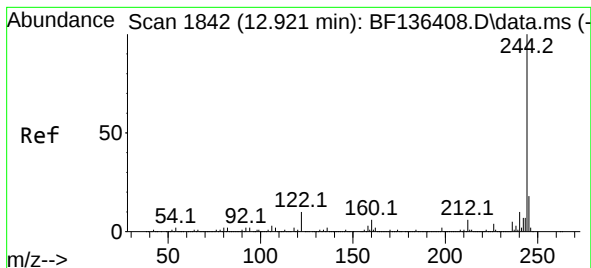
Tgt Ion:167 Resp: 28336
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.0 27.0
 139 14.1 10.2 15.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.974 min Scan# 2021
 Delta R.T. -0.006 min
 Lab File: BF136538.D
 Acq: 13 Dec 2023 15:13

Tgt Ion:240 Resp: 230990
 Ion Ratio Lower Upper
 240 100
 120 9.8 7.3 10.9
 236 26.3 21.3 31.9





#79

Terphenyl-d14

Concen: 57.464 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF136538.D

Acq: 13 Dec 2023 15:13

Instrument :

BNA_F

ClientSampleId :

P001-WC03-01

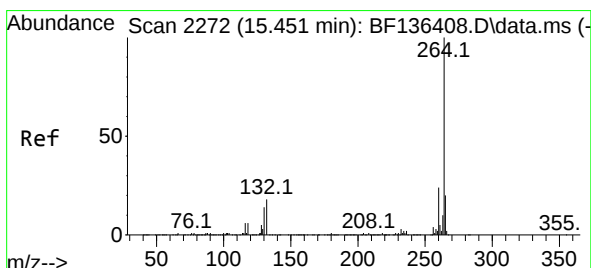
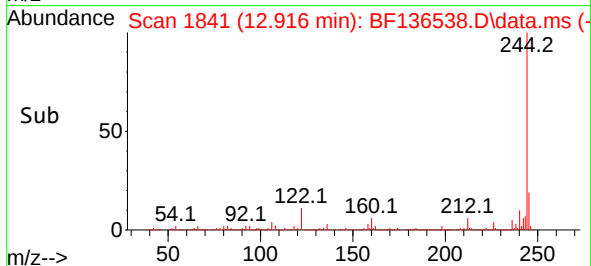
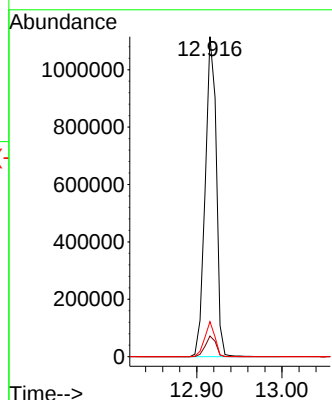
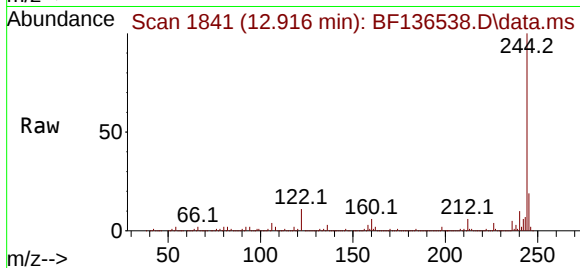
Tgt Ion:244 Resp: 1007060

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 10.9 8.3 12.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.006 min

Lab File: BF136538.D

Acq: 13 Dec 2023 15:13

Tgt Ion:264 Resp: 242322

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 20.8 15.9 23.9

