

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136533.D
 Acq On : 13 Dec 2023 12:33
 Operator : CG\JU
 Sample : 05657-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 205-199

Quant Time: Dec 13 12:52:29 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)

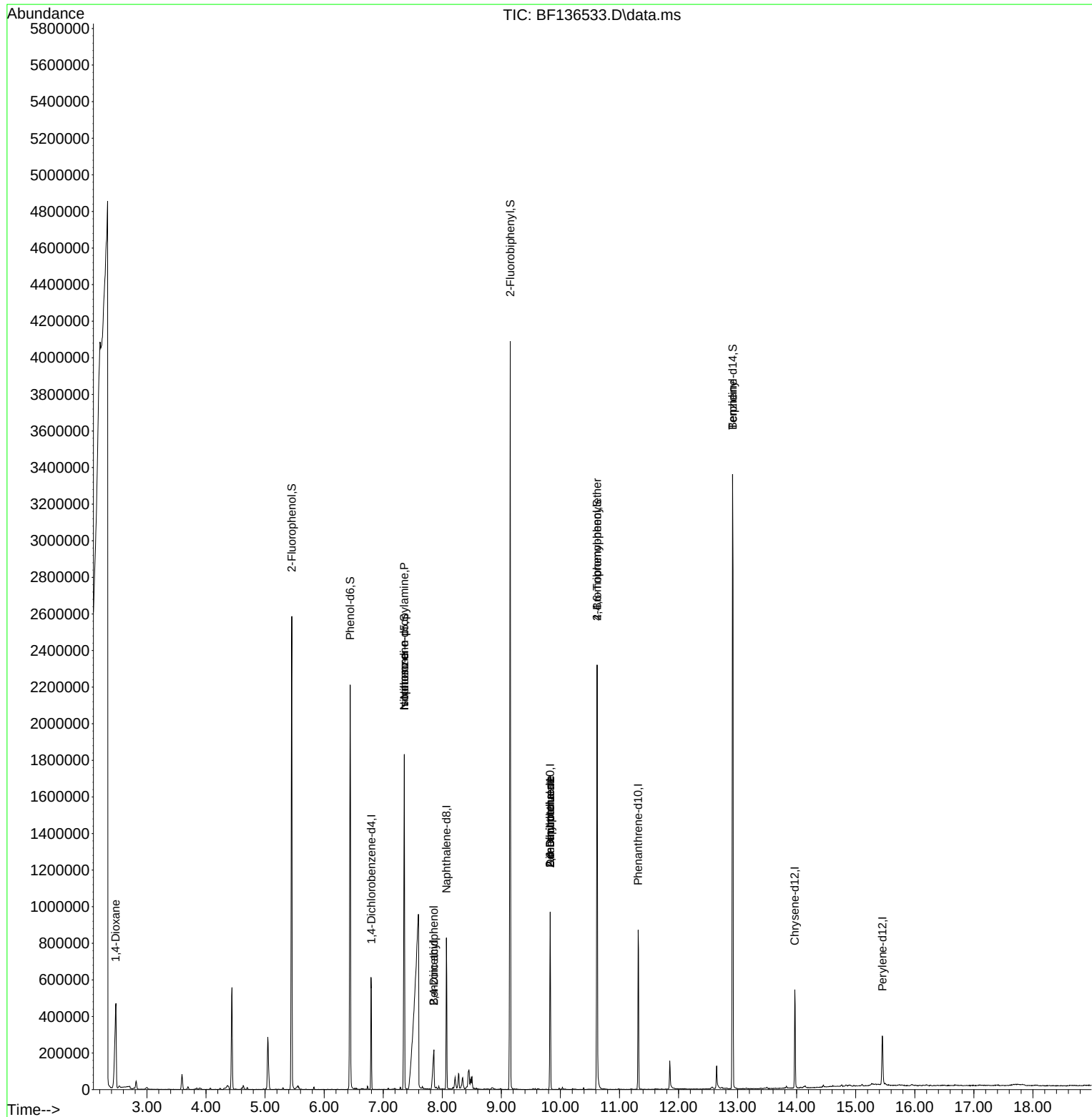
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	91082	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	358138	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	179396	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	328635	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	182418	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	118871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	770151	124.874	ng	0.02
7) Phenol-d6	6.440	99	863695	112.244	ng	0.00
23) Nitrobenzene-d5	7.357	82	613987	92.680	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	317268	143.433	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1254201	95.396	ng	-0.01
79) Terphenyl-d14	12.916	244	1253780	90.591	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.469	88	12975	5.319	ng	# 1
9) Benzaldehyde	6.440	77	1242	Below Cal		# 1
19) n-Nitroso-di-n-propyla...	7.357	70	79736	17.964	ng	# 75
25) Isophorone	7.357	82	613974	51.585	ng	# 65
27) 2,4-Dimethylphenol	7.857	122	69751	17.265	ng	# 5
32) Benzoic acid	7.857	122	69751	17.405	ng	# 90
50) Dimethylphthalate	9.828	163	38412	2.908	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	23693	7.974	ng	# 28
57) 2,4-Dinitrotoluene	9.828	165	23693	6.028	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	19366	5.068	ng	# 1
77) Benzidine	12.916	184	14657	4.932	ng	# 93

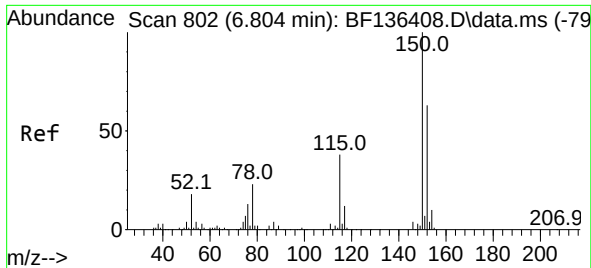
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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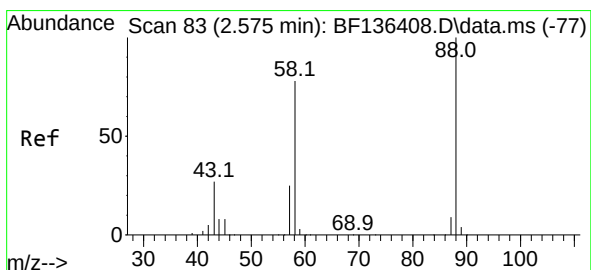
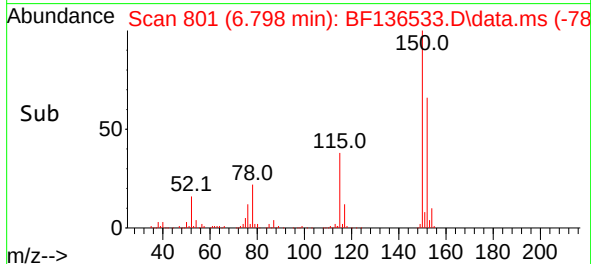
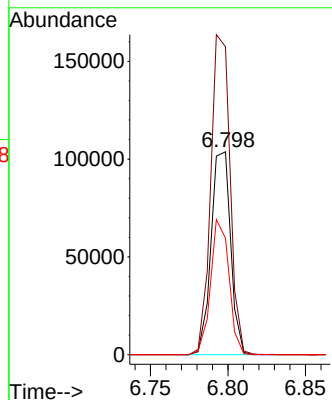
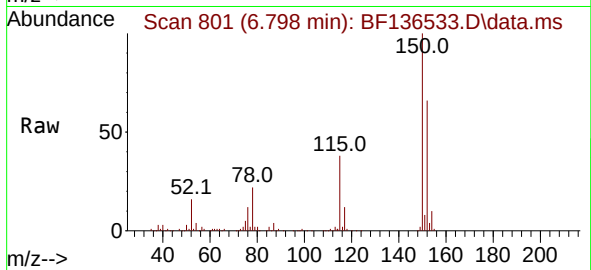




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF136533.D
 Acq: 13 Dec 2023 12:33

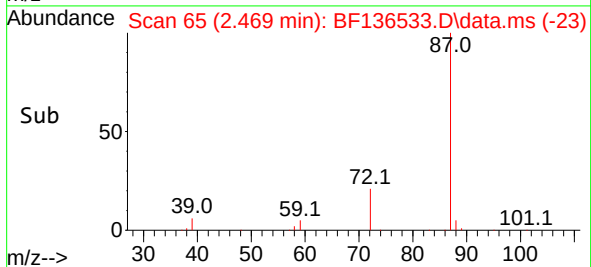
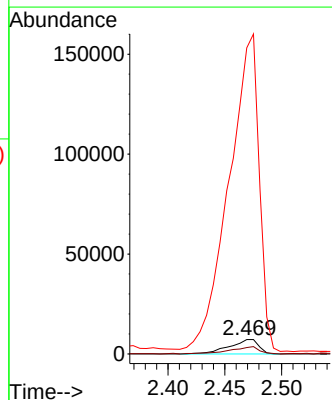
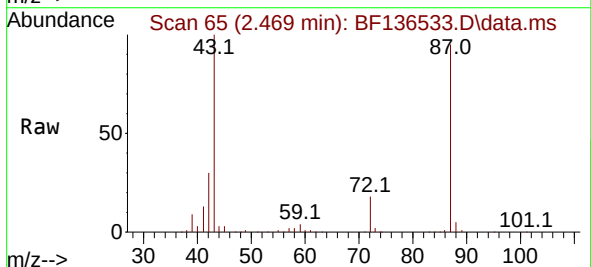
Instrument :
 BNA_F
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 205-199

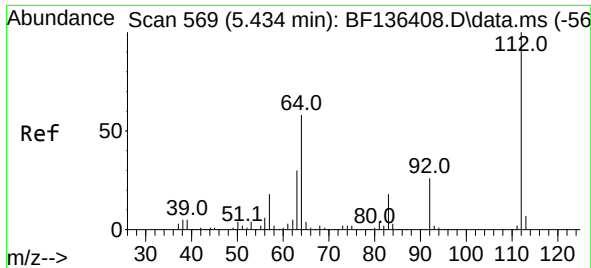
Tgt Ion:152 Resp: 91082
 Ion Ratio Lower Upper
 152 100
 150 151.8 126.4 189.6
 115 57.4 48.2 72.4



#2
 1,4-Dioxane
 Concen: 5.319 ng
 RT: 2.469 min Scan# 65
 Delta R.T. -0.106 min
 Lab File: BF136533.D
 Acq: 13 Dec 2023 12:33

Tgt Ion: 88 Resp: 12975
 Ion Ratio Lower Upper
 88 100
 58 50.5 62.2 93.2#
 43 2272.9 21.5 32.3#

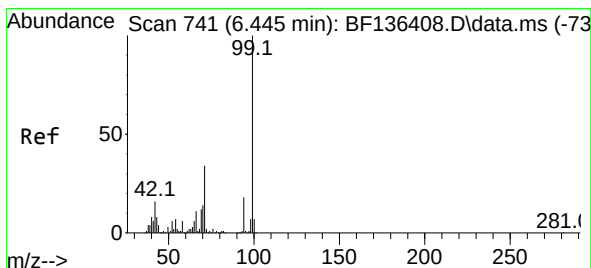
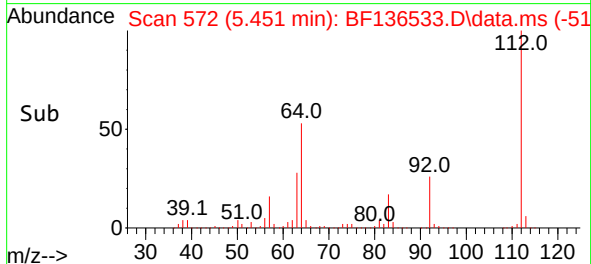
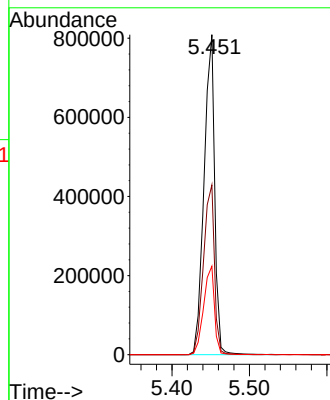
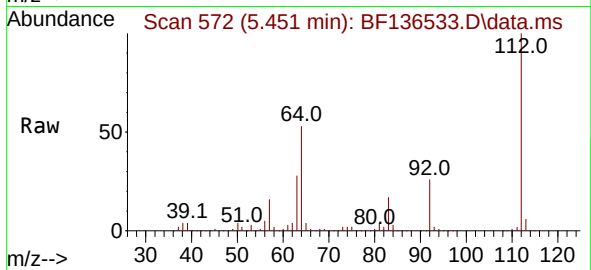




#5
2-Fluorophenol
Concen: 124.874 ng
RT: 5.451 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

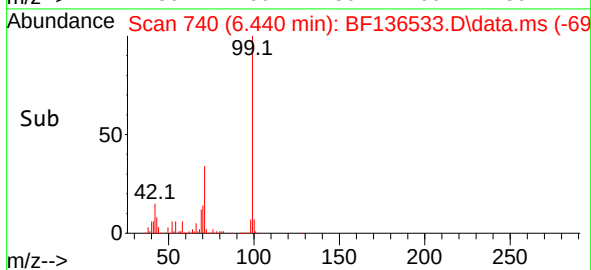
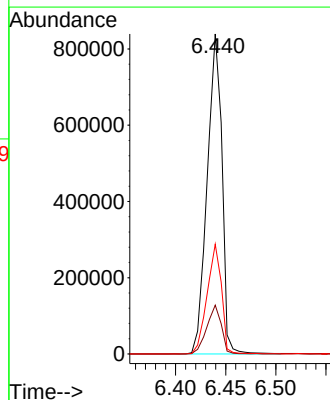
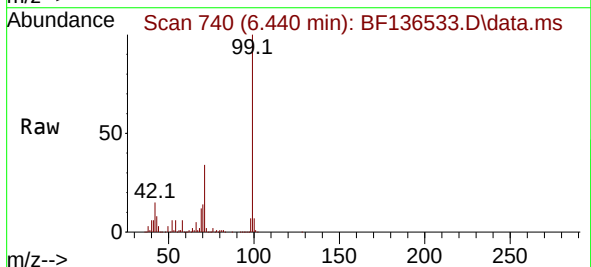
Instrument :
BNA_F
ClientSampleId :
205-199

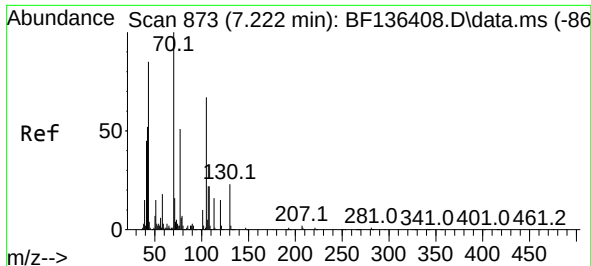
Tgt Ion:112 Resp: 770151
Ion Ratio Lower Upper
112 100
64 53.1 46.5 69.7
63 27.7 23.9 35.9



#7
Phenol-d6
Concen: 112.244 ng
RT: 6.440 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

Tgt Ion: 99 Resp: 863695
Ion Ratio Lower Upper
99 100
42 15.3 12.8 19.2
71 34.3 27.0 40.4

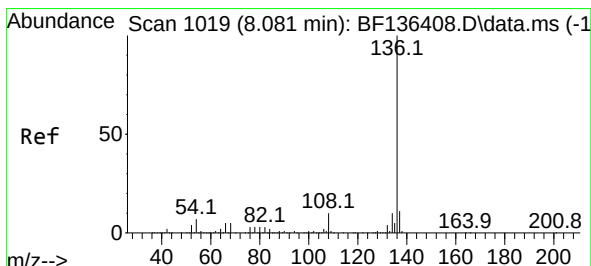
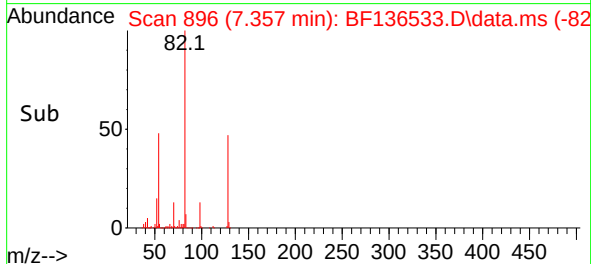
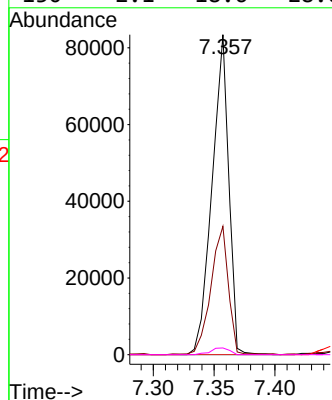
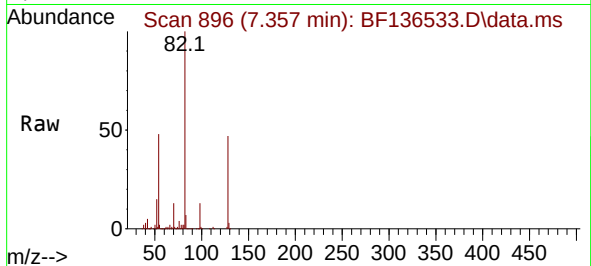




#19
n-Nitroso-di-n-propylamine
Concen: 17.964 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

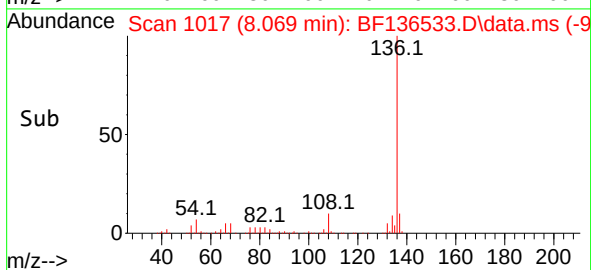
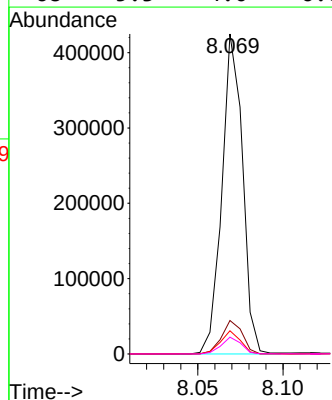
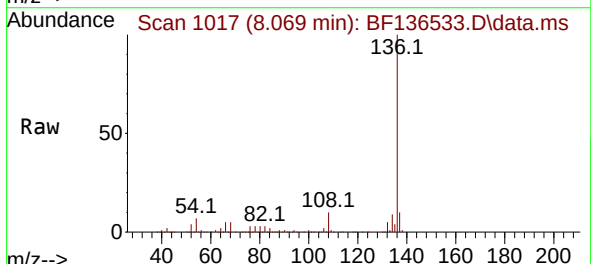
Instrument :
BNA_F
ClientSampleId :
205-199

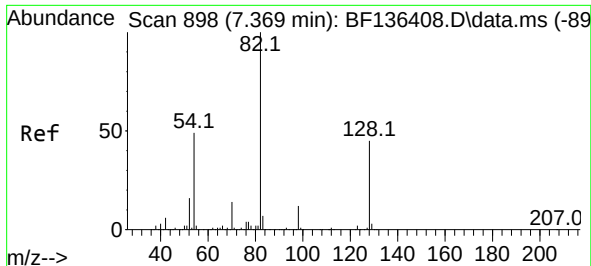
Tgt Ion: 70	Resp: 79736
Ion Ratio	Lower Upper
70 100	
42 40.1	41.4 62.0#
101 0.0	8.2 12.4#
130 2.1	18.6 28.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

Tgt Ion: 136	Resp: 358138
Ion Ratio	Lower Upper
136 100	
137 10.5	8.6 12.8
54 7.3	5.7 8.5
68 5.3	4.0 6.0





#23

Nitrobenzene-d5

Concen: 92.680 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF136533.D

Acq: 13 Dec 2023 12:33

Instrument :

BNA_F

ClientSampleId :

205-199

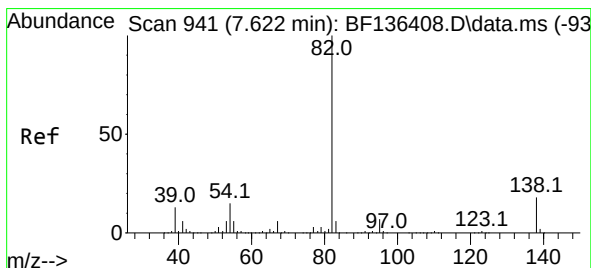
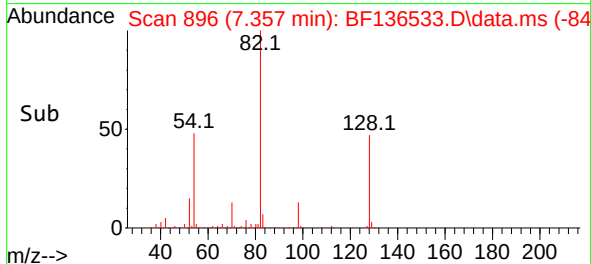
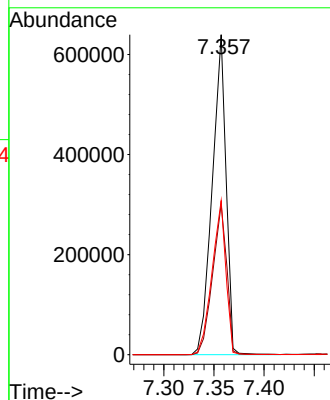
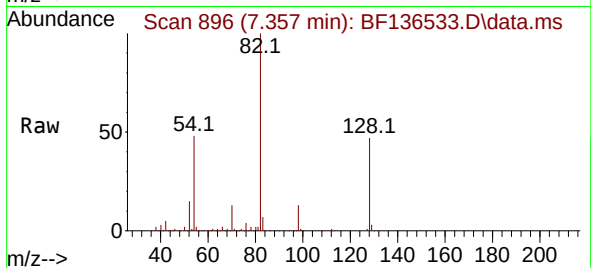
Tgt Ion: 82 Resp: 613987

Ion Ratio Lower Upper

82 100

128 47.1 36.3 54.5

54 48.2 39.0 58.6



#25

Isophorone

Concen: 51.585 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.265 min

Lab File: BF136533.D

Acq: 13 Dec 2023 12:33

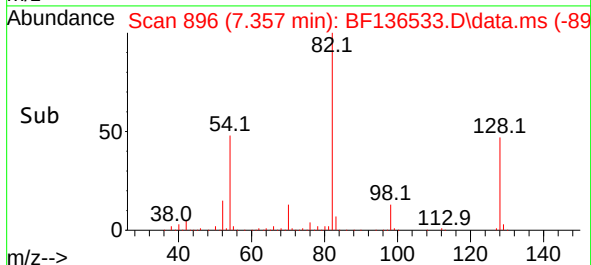
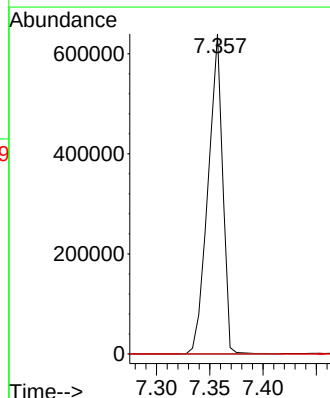
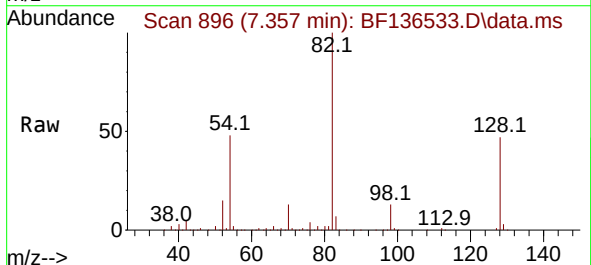
Tgt Ion: 82 Resp: 613974

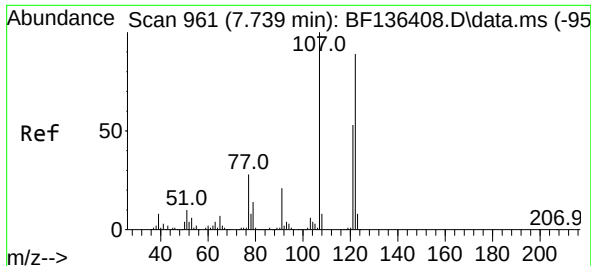
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.5 21.7#

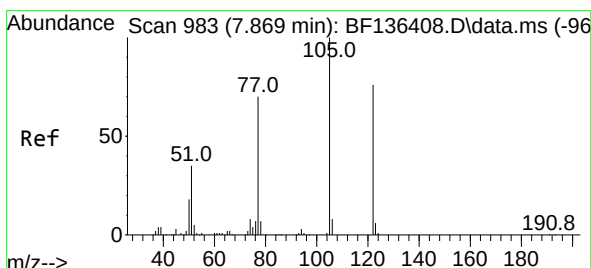
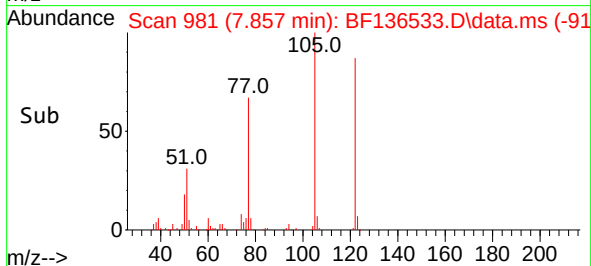
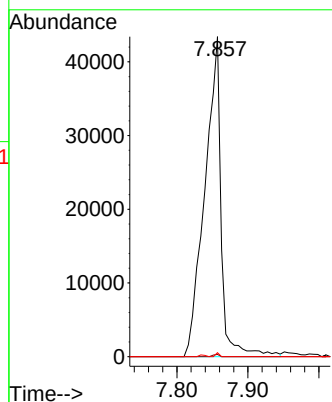
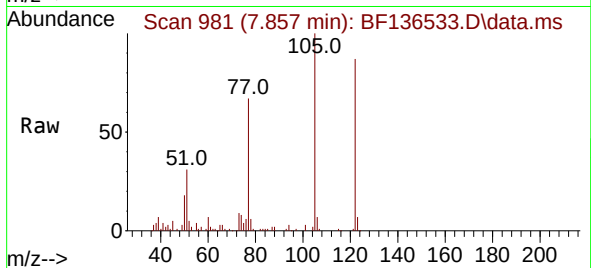




#27
2,4-Dimethylphenol
Concen: 17.265 ng
RT: 7.857 min Scan# 981
Delta R.T. 0.118 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

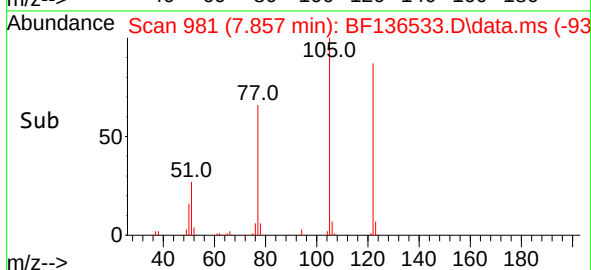
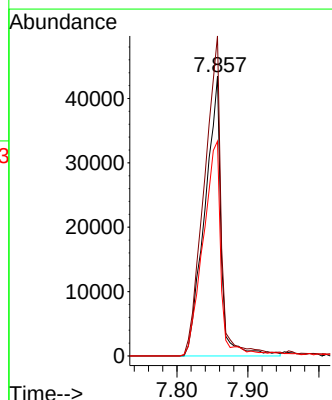
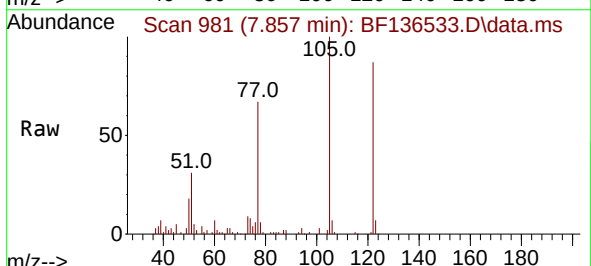
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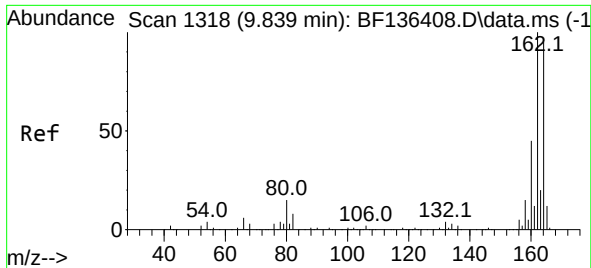
Tgt Ion:122 Resp: 69751
Ion Ratio Lower Upper
122 100
107 0.7 89.3 133.9#
121 1.3 47.6 71.4#



#32
Benzoic acid
Concen: 17.405 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.012 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

Tgt Ion:122 Resp: 69751
Ion Ratio Lower Upper
122 100
105 114.5 104.7 144.7
77 76.9 68.5 108.5

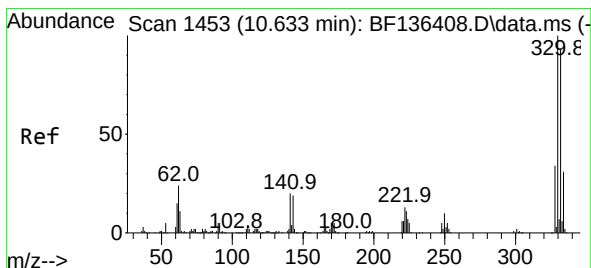
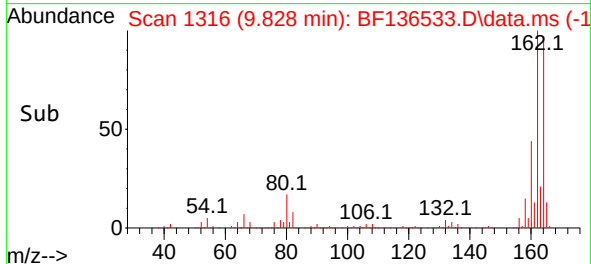
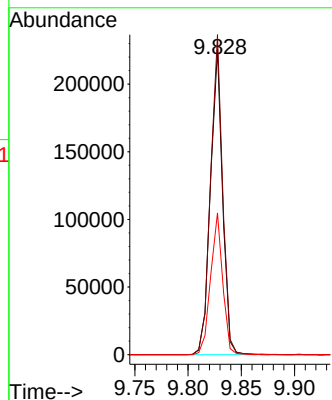
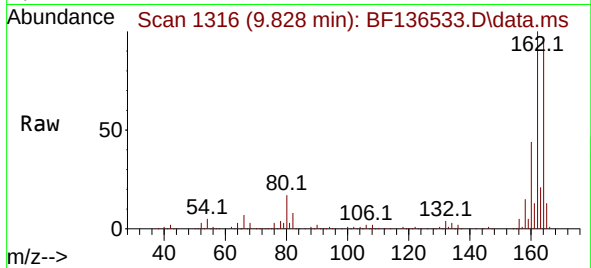




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

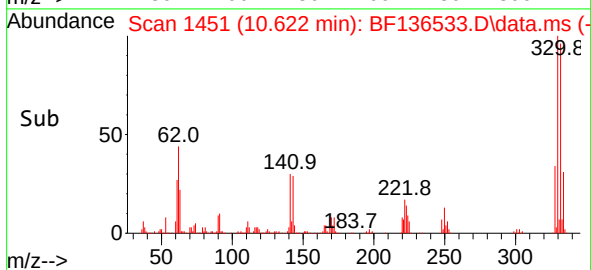
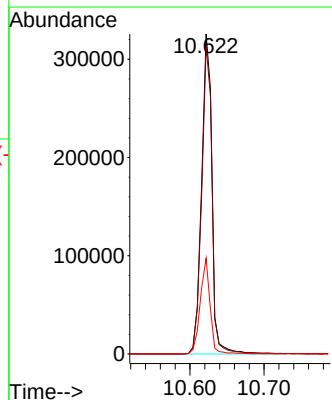
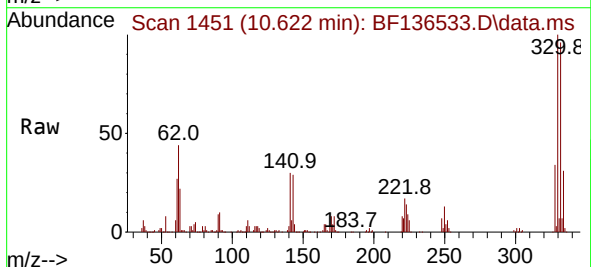
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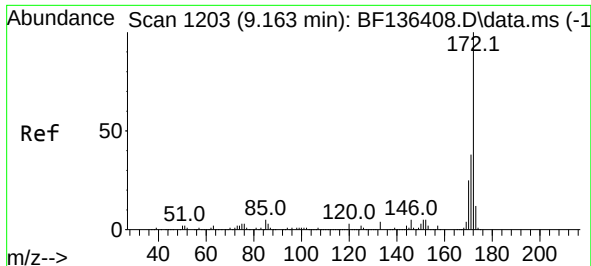
Tgt Ion:164 Resp: 179396
Ion Ratio Lower Upper
164 100
162 104.8 84.4 126.6
160 46.4 37.6 56.4



#42
2,4,6-Tribromophenol
Concen: 143.433 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

Tgt Ion:330 Resp: 317268
Ion Ratio Lower Upper
330 100
332 95.6 76.4 114.6
141 28.4 23.4 35.2

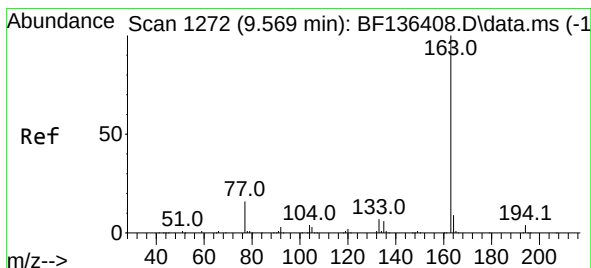
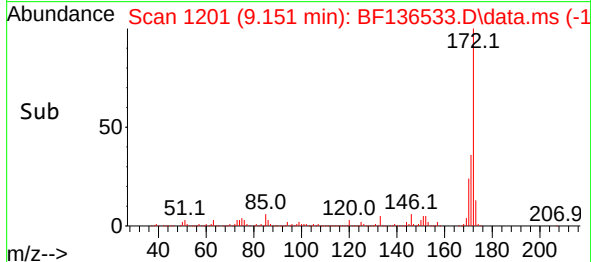
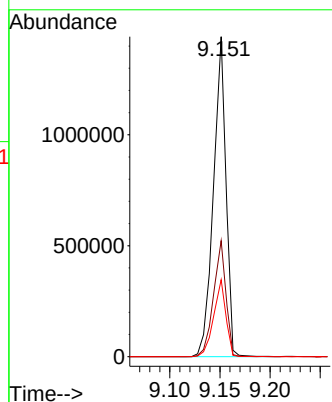
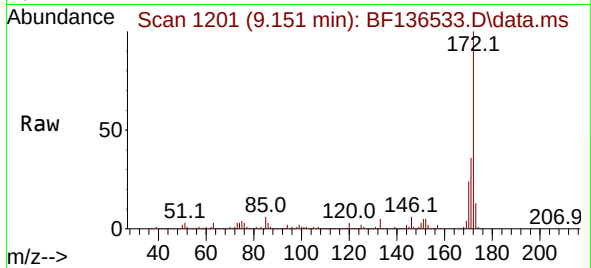




#45
2-Fluorobiphenyl
Concen: 95.396 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

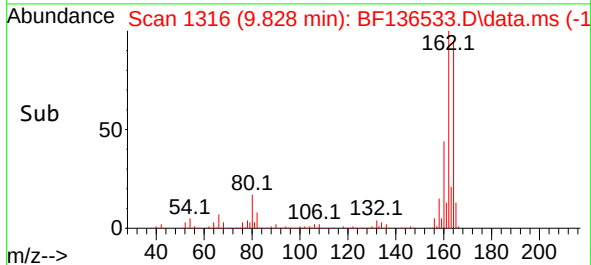
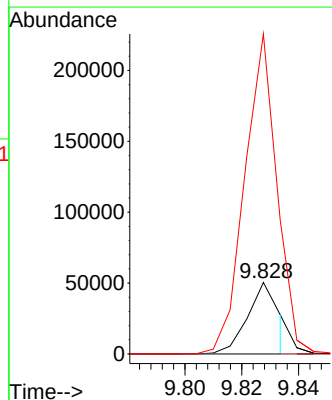
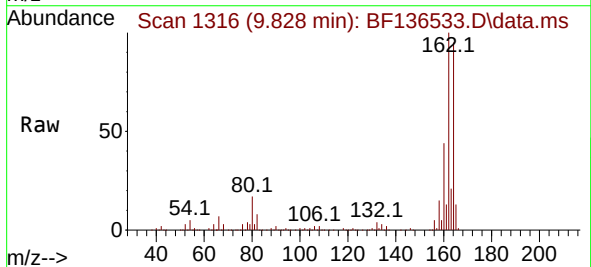
Instrument :
BNA_F
ClientSampleId :
205-199

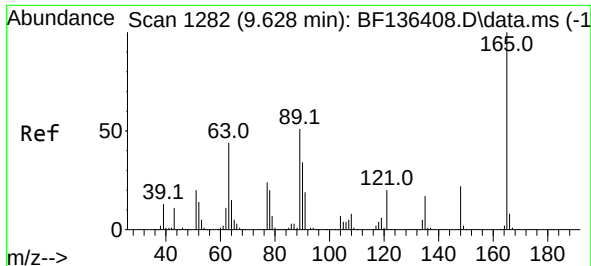
Tgt Ion:172 Resp: 1254201
Ion Ratio Lower Upper
172 100
171 36.2 30.5 45.7
170 24.0 19.9 29.9



#50
Dimethylphthalate
Concen: 2.908 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

Tgt Ion:163 Resp: 38412
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 447.5 7.4 11.2#

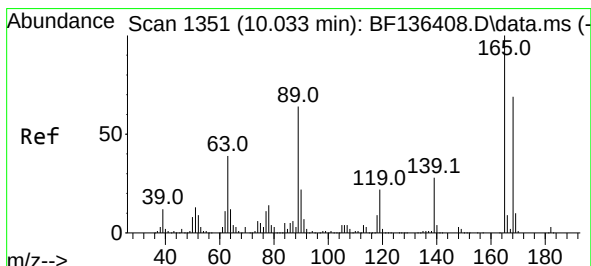
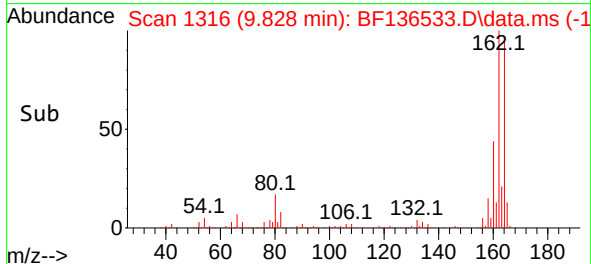
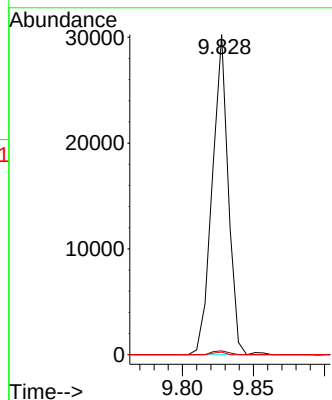
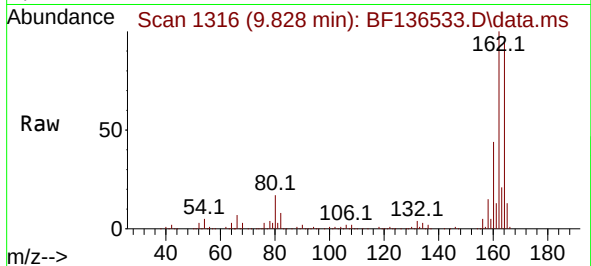




#51
2,6-Dinitrotoluene
Concen: 7.974 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

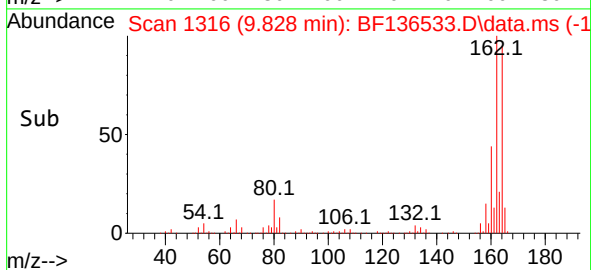
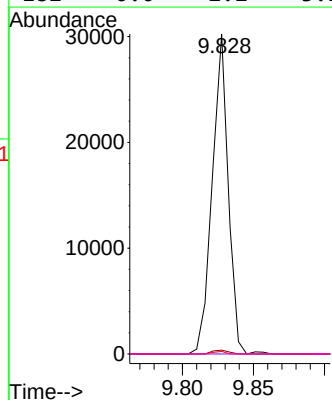
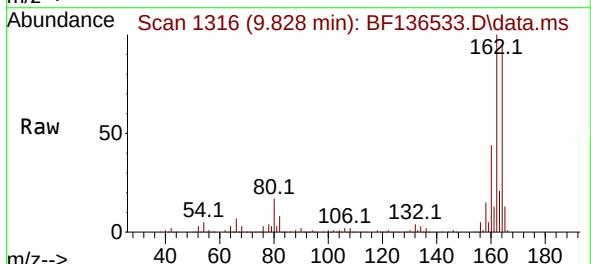
Instrument :
BNA_F
ClientSampleId :
205-199

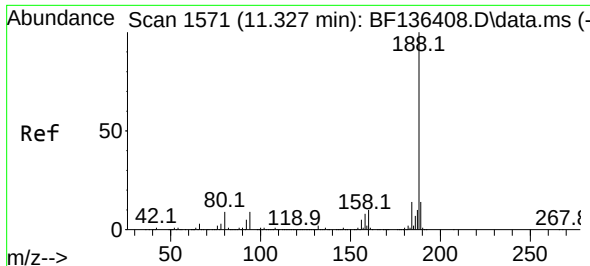
Tgt Ion:165 Resp: 23693
Ion Ratio Lower Upper
165 100
63 1.2 40.4 60.6#
89 0.8 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 6.028 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.206 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

Tgt Ion:165 Resp: 23693
Ion Ratio Lower Upper
165 100
63 1.2 31.4 47.2#
89 0.8 51.7 77.5#
182 0.0 2.2 3.2#

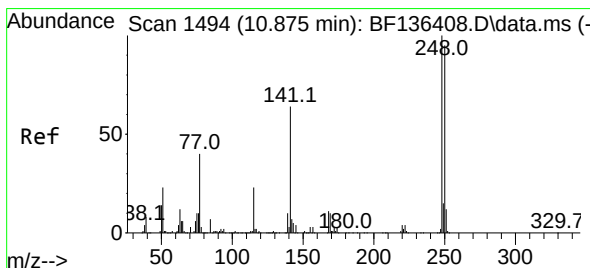
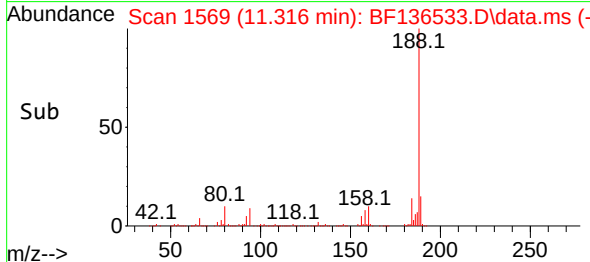
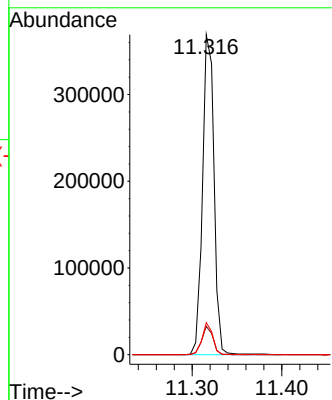
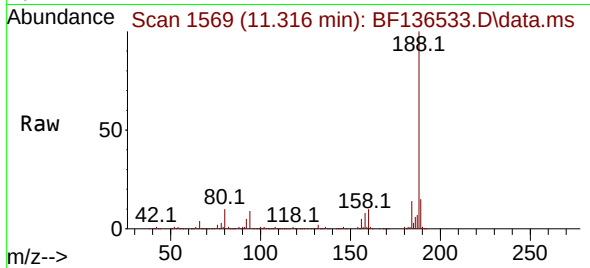




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

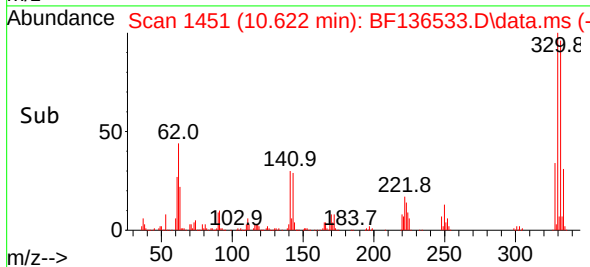
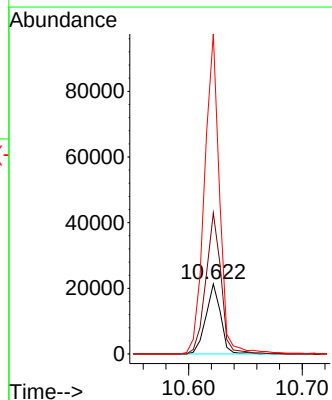
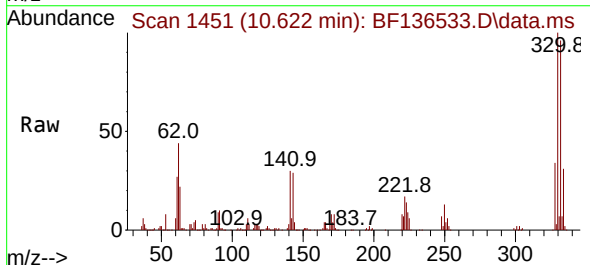
Instrument :
BNA_F
ClientSampleId :
205-199

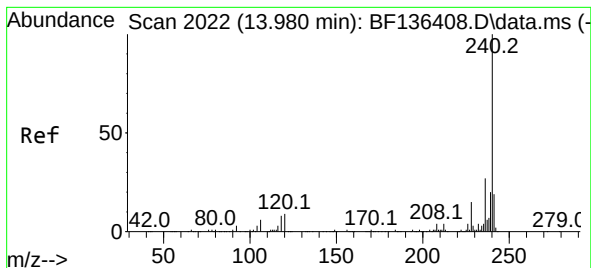
Tgt Ion:188 Resp: 328635
Ion Ratio Lower Upper
188 100
94 8.9 7.2 10.8
80 10.0 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 5.068 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF136533.D
Acq: 13 Dec 2023 12:33

Tgt Ion:248 Resp: 19366
Ion Ratio Lower Upper
248 100
250 201.5 76.2 114.2#
141 456.8 51.0 76.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136533.D

Acq: 13 Dec 2023 12:33

Instrument :

BNA_F

ClientSampleId :

205-199

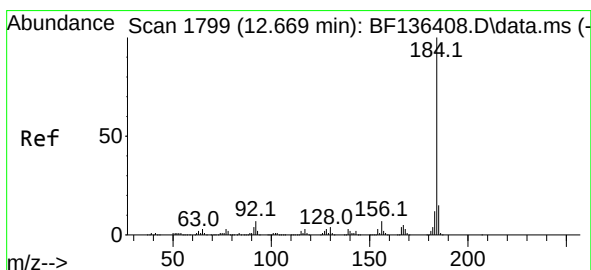
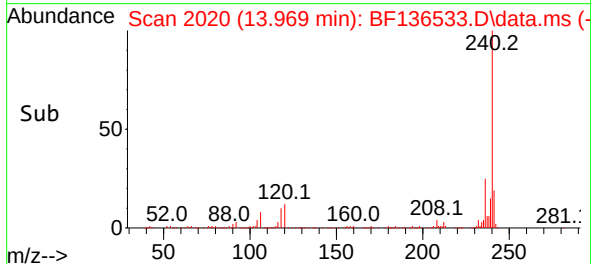
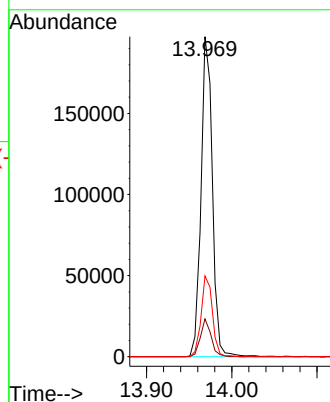
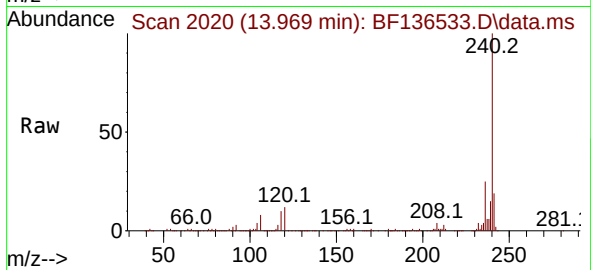
Tgt Ion:240 Resp: 182418

Ion Ratio Lower Upper

240 100

120 11.8 7.3 10.9#

236 25.3 21.3 31.9



#77

Benzidine

Concen: 4.932 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.247 min

Lab File: BF136533.D

Acq: 13 Dec 2023 12:33

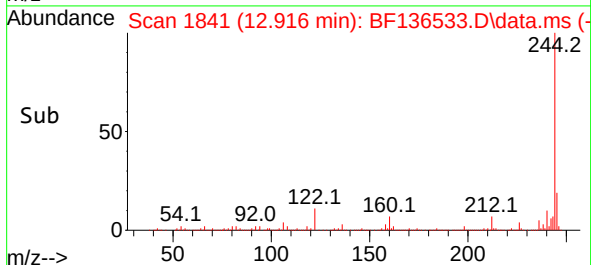
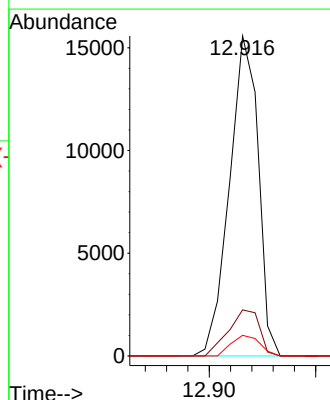
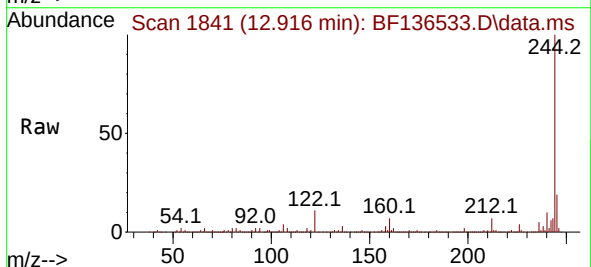
Tgt Ion:184 Resp: 14657

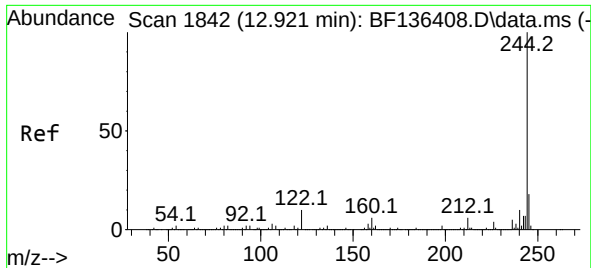
Ion Ratio Lower Upper

184 100

185 14.4 12.0 18.0

183 6.4 9.4 14.0#





#79

Terphenyl-d14

Concen: 90.591 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF136533.D

Acq: 13 Dec 2023 12:33

Instrument :

BNA_F

ClientSampleId :

205-199

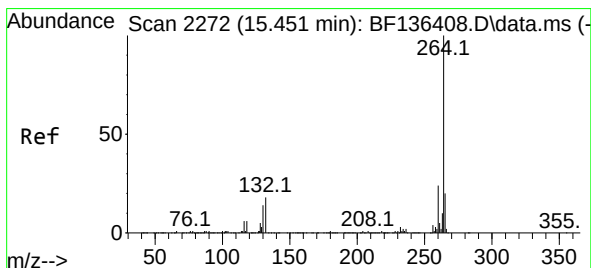
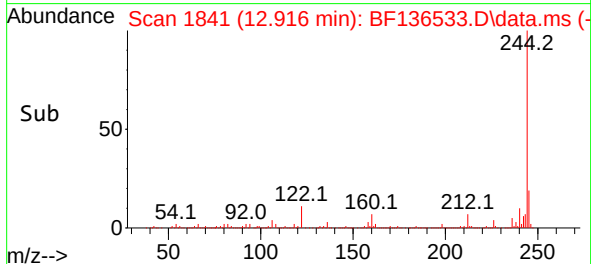
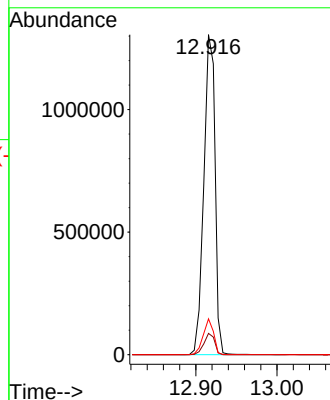
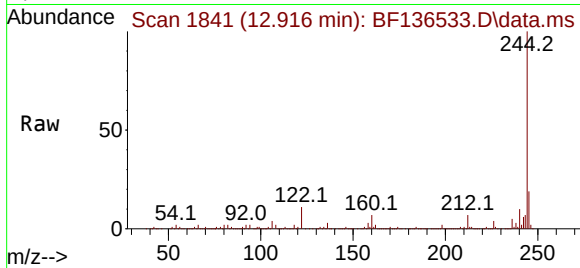
Tgt Ion:244 Resp: 1253780

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

122 11.2 8.3 12.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.000 min

Lab File: BF136533.D

Acq: 13 Dec 2023 12:33

Tgt Ion:264 Resp: 118871

Ion Ratio Lower Upper

264 100

260 26.9 19.2 28.8

265 21.6 15.9 23.9

