

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121123\
 Data File : BF136499.D
 Acq On : 11 Dec 2023 19:49
 Operator : CG\JU
 Sample : 05671-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-35

Quant Time: Dec 11 23:46:29 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)

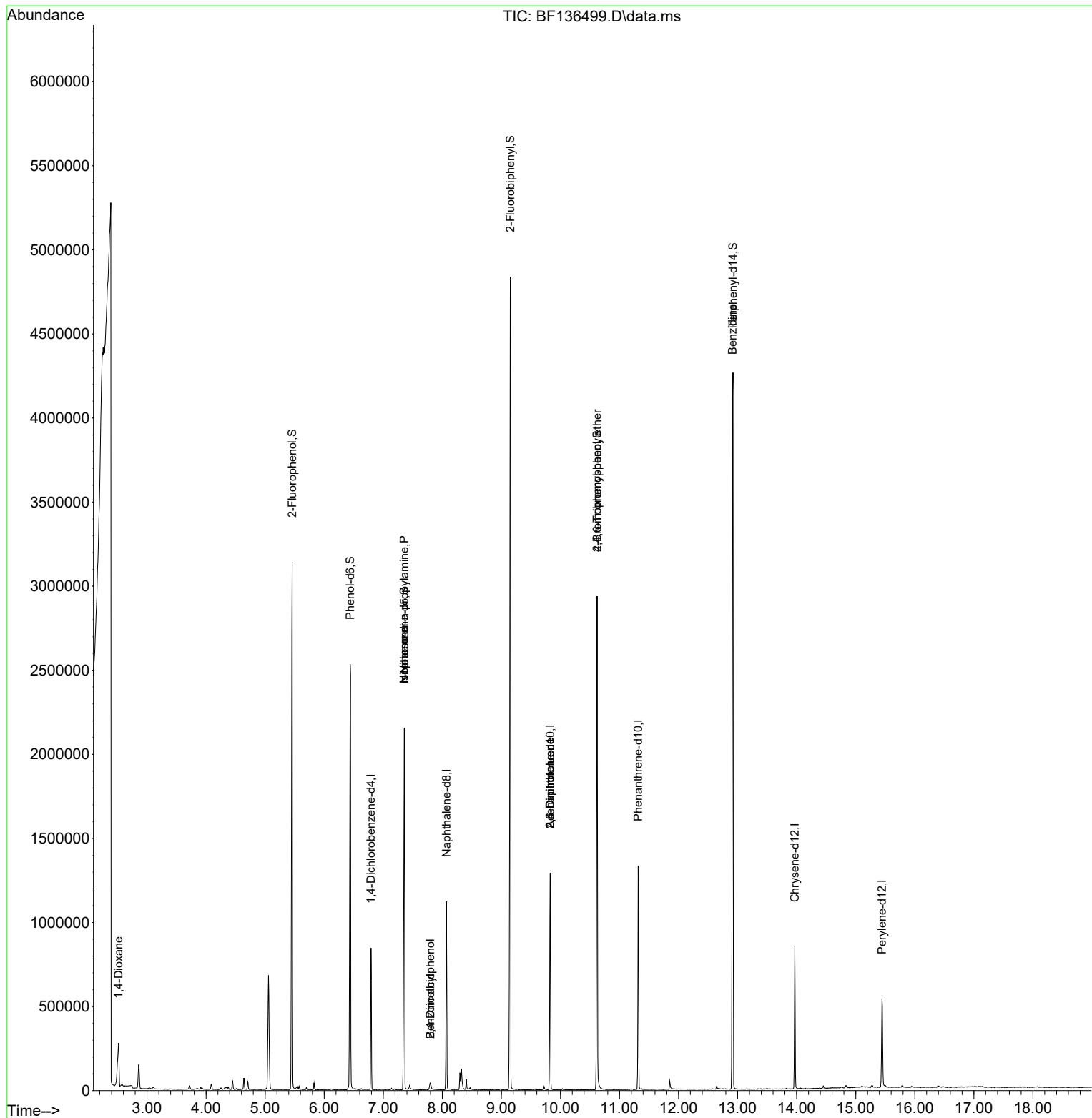
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	122394	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	500202	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	261500	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	487347	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	265988	20.000	ng	-0.01
86) Perylene-d12	15.445	264	260861	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	955060	115.239	ng	0.02
7) Phenol-d6	6.439	99	1097097	106.101	ng	0.00
23) Nitrobenzene-d5	7.357	82	783773	84.708	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	417624	129.523	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1599086	83.440	ng	-0.01
79) Terphenyl-d14	12.921	244	1745715	86.505	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.516	88	7252	2.212	ng	# 1
9) Benzaldehyde	6.351	77	96	Below Cal		# 66
19) n-Nitroso-di-n-propyla...	7.357	70	102666	17.212	ng	# 78
25) Isophorone	7.357	82	783765	47.149	ng	# 65
27) 2,4-Dimethylphenol	7.798	122	13055	2.314	ng	# 4
32) Benzoic acid	7.798	122	13055	2.332	ng	# 91
51) 2,6-Dinitrotoluene	9.827	165	33668	7.773	ng	# 29
57) 2,4-Dinitrotoluene	9.827	165	33668	5.876	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	25434	4.489	ng	# 1
77) Benzidine	12.916	184	20429	4.542	ng	# 90

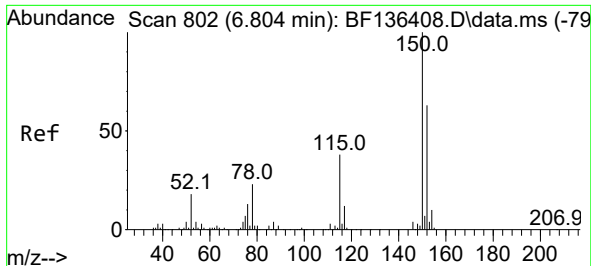
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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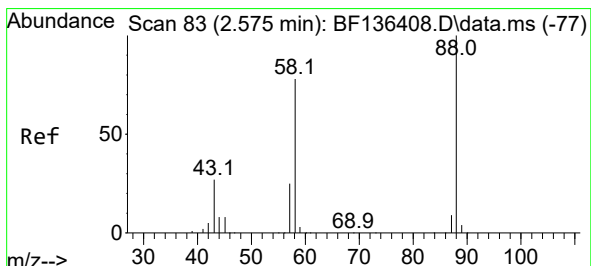
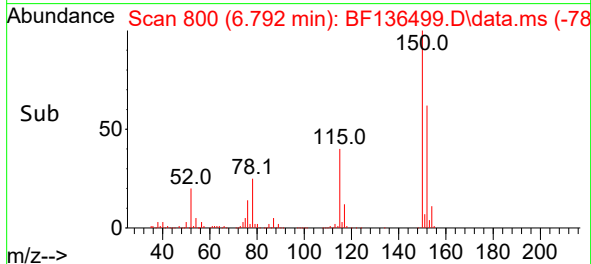
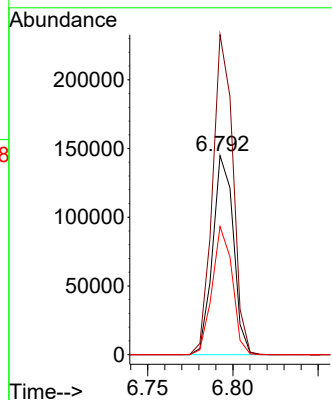
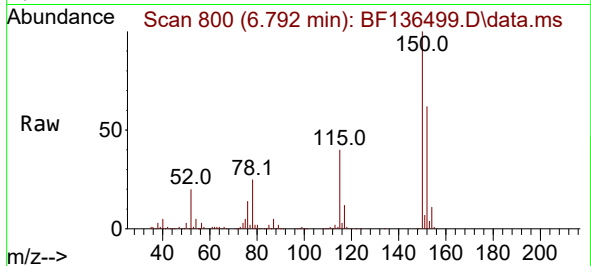




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 80
 Delta R.T. -0.012 min
 Lab File: BF136499.D
 Acq: 11 Dec 2023 19:49

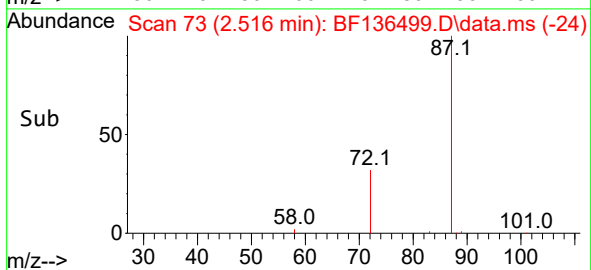
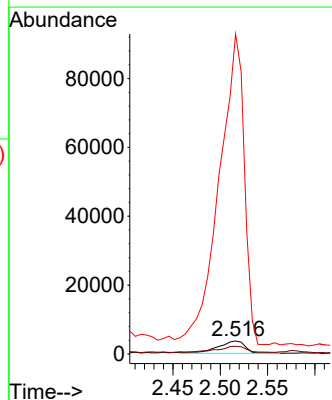
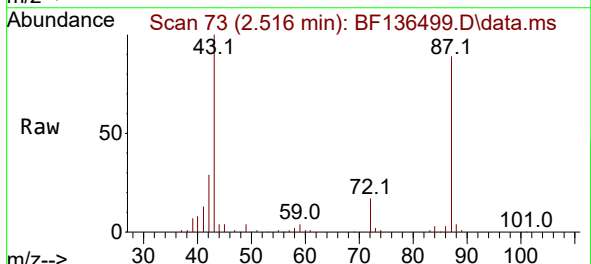
Instrument :
 BNA_F
 ClientSampleId :
 TP-35

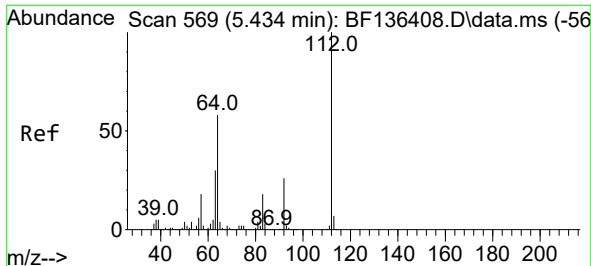
Tgt Ion:152 Resp: 122394
 Ion Ratio Lower Upper
 152 100
 150 160.8 126.4 189.6
 115 64.4 48.2 72.4



#2
 1,4-Dioxane
 Concen: 2.212 ng
 RT: 2.516 min Scan# 73
 Delta R.T. -0.059 min
 Lab File: BF136499.D
 Acq: 11 Dec 2023 19:49

Tgt Ion: 88 Resp: 7252
 Ion Ratio Lower Upper
 88 100
 58 55.4 62.2 93.2#
 43 2301.3 21.5 32.3#

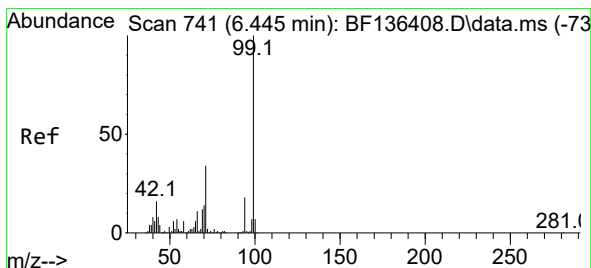
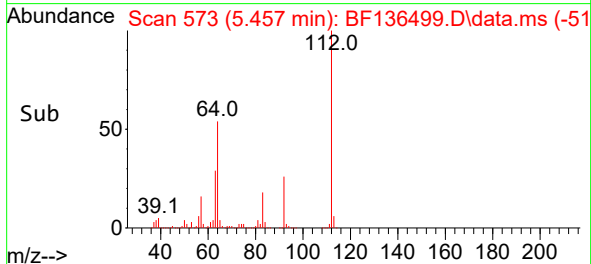
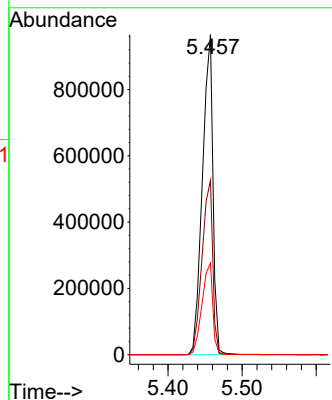
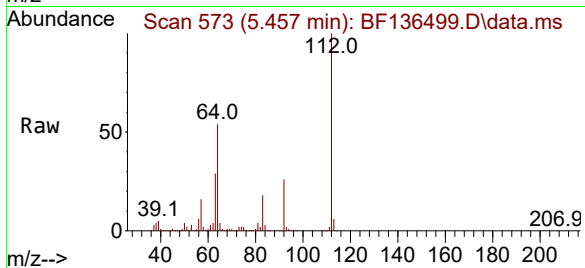




#5
2-Fluorophenol
Concen: 115.239 ng
RT: 5.457 min Scan# 51
Delta R.T. 0.023 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

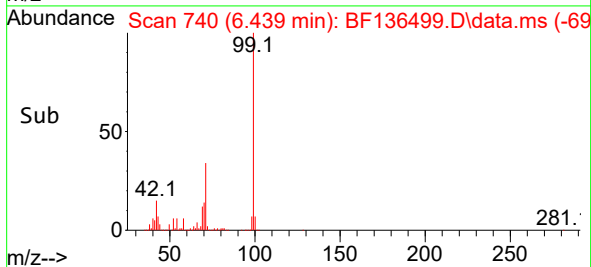
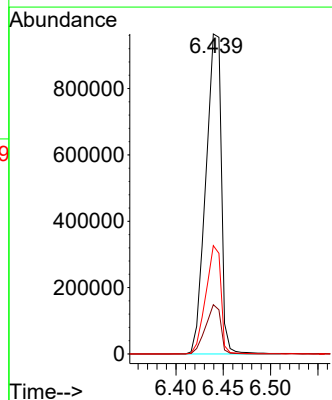
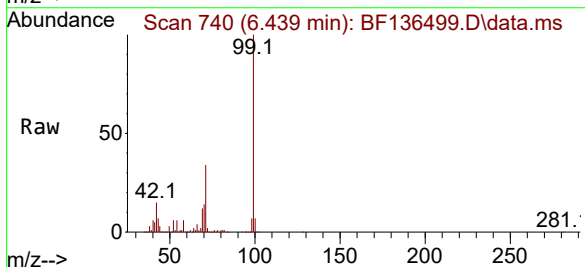
Instrument :
BNA_F
ClientSampleId :
TP-35

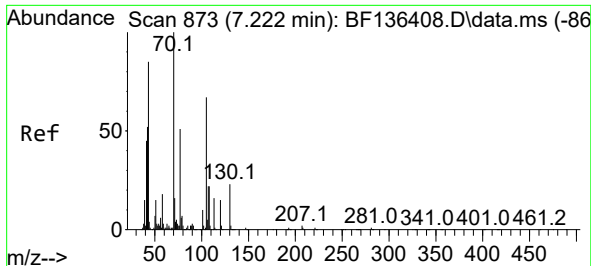
Tgt Ion:112 Resp: 955060
Ion Ratio Lower Upper
112 100
64 54.5 46.5 69.7
63 28.6 23.9 35.9



#7
Phenol-d6
Concen: 106.101 ng
RT: 6.439 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

Tgt Ion: 99 Resp: 1097097
Ion Ratio Lower Upper
99 100
42 15.4 12.8 19.2
71 33.9 27.0 40.4





#19

n-Nitroso-di-n-propylamine

Concen: 17.212 ng

RT: 7.357 min Scan# 896

Delta R.T. 0.135 min

Lab File: BF136499.D

Acq: 11 Dec 2023 19:49

Instrument :

BNA_F

ClientSampleId :

TP-35

Tgt Ion: 70 Resp: 102666

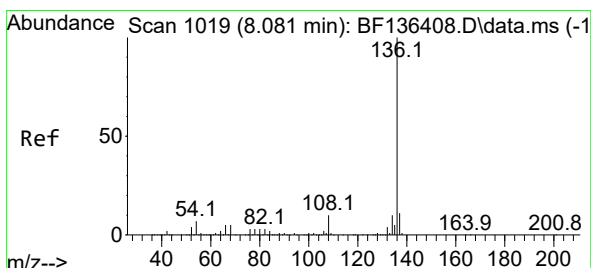
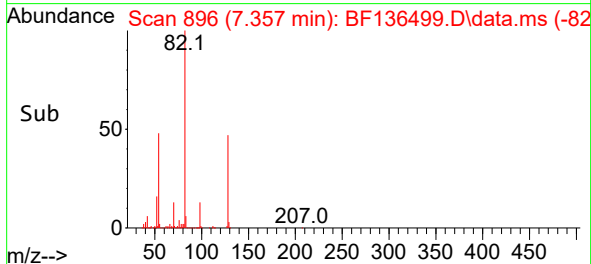
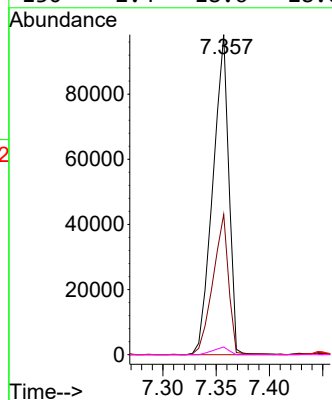
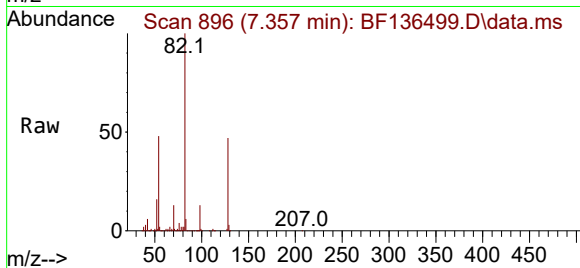
Ion Ratio Lower Upper

70 100

42 43.9 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# 1017

Delta R.T. -0.012 min

Lab File: BF136499.D

Acq: 11 Dec 2023 19:49

Tgt Ion:136 Resp: 500202

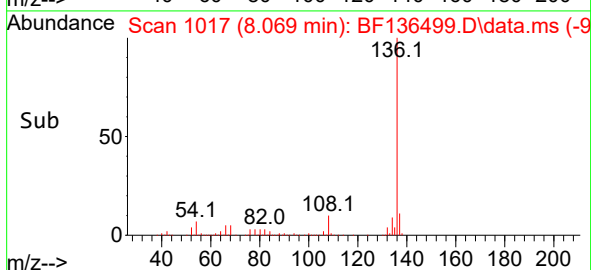
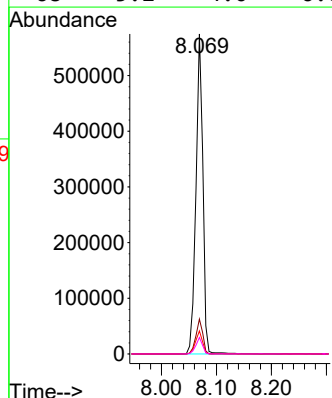
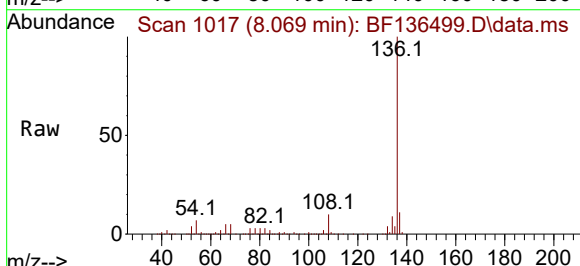
Ion Ratio Lower Upper

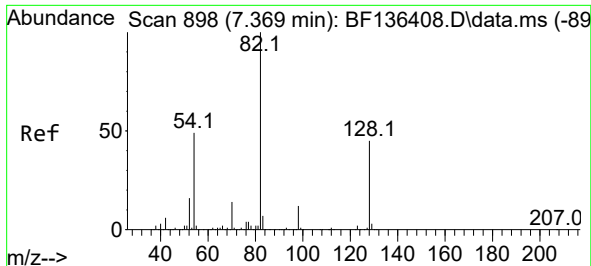
136 100

137 10.9 8.6 12.8

54 7.2 5.7 8.5

68 5.2 4.0 6.0

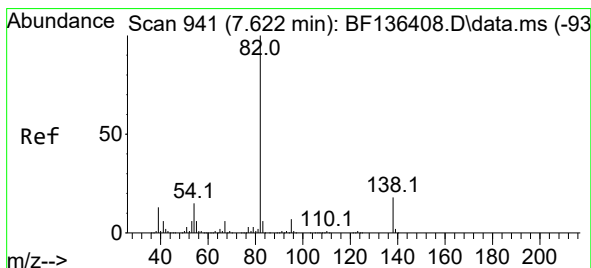
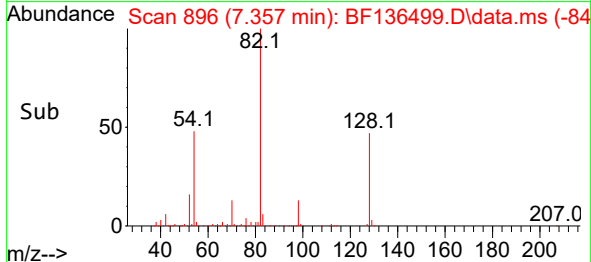
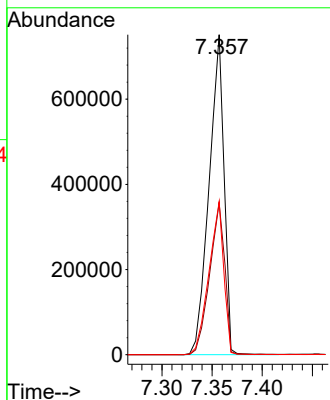
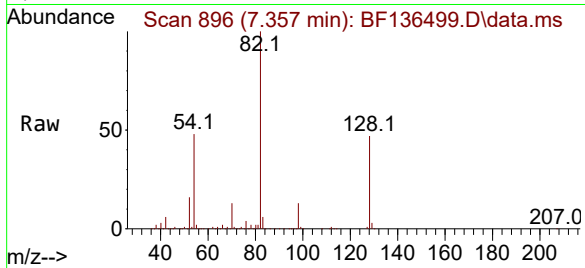




#23
Nitrobenzene-d5
Concen: 84.708 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

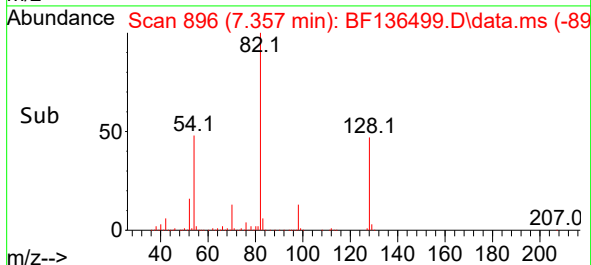
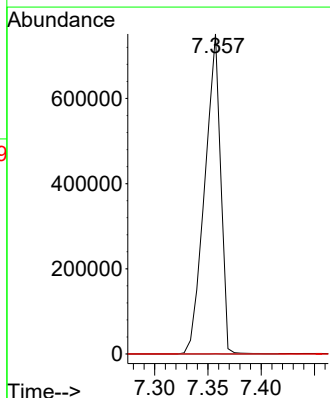
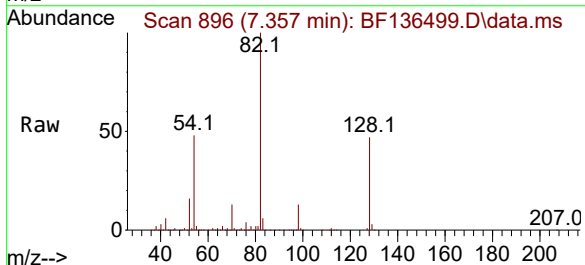
Instrument :
BNA_F
ClientSampleId :
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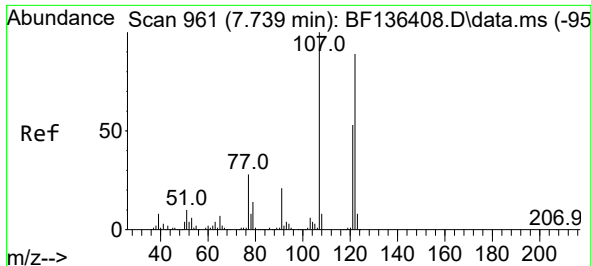
Tgt Ion: 82 Resp: 783773
Ion Ratio Lower Upper
82 100
128 47.4 36.3 54.5
54 47.8 39.0 58.6



#25
Isophorone
Concen: 47.149 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

Tgt Ion: 82 Resp: 783765
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#

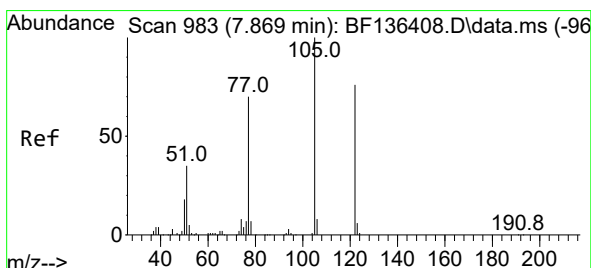
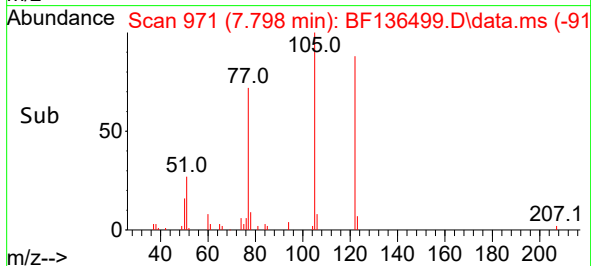
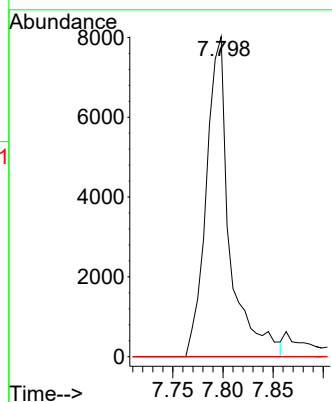
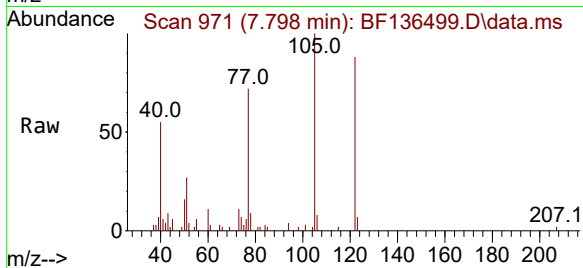




#27
2,4-Dimethylphenol
Concen: 2.314 ng
RT: 7.798 min Scan# 91
Delta R.T. 0.059 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

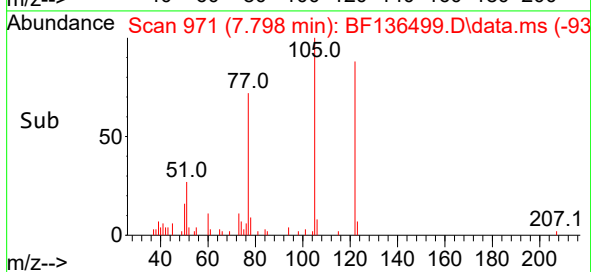
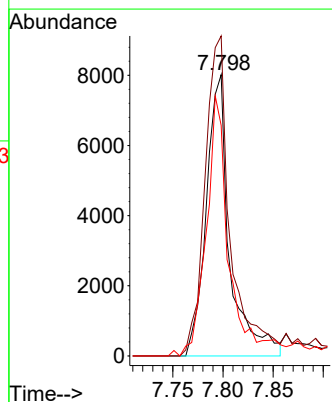
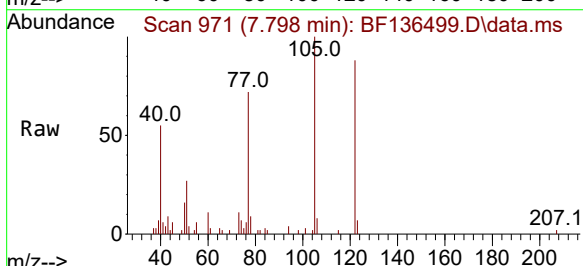
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BNA_F
ClientSampleId :
TP-35

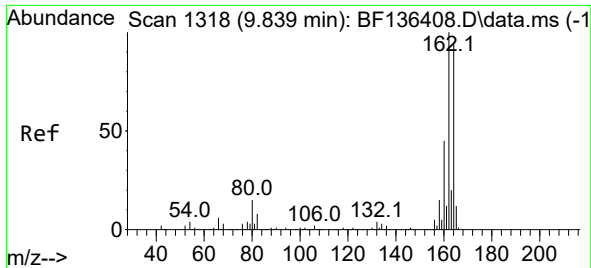
Tgt Ion:122 Resp: 13055
Ion Ratio Lower Upper
122 100
107 0.0 89.3 133.9#
121 0.0 47.6 71.4#



#32
Benzoic acid
Concen: 2.332 ng
RT: 7.798 min Scan# 971
Delta R.T. -0.071 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

Tgt Ion:122 Resp: 13055
Ion Ratio Lower Upper
122 100
105 113.7 104.7 144.7
77 82.0 68.5 108.5

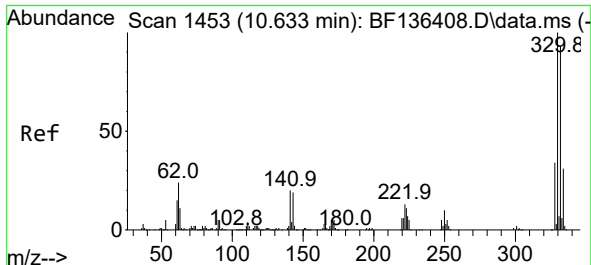
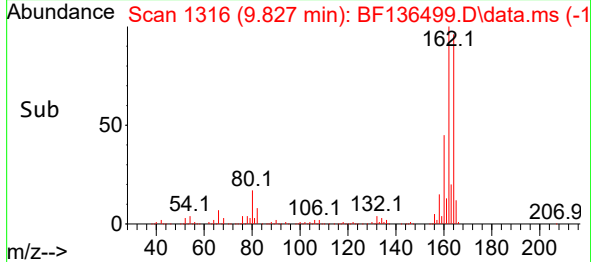
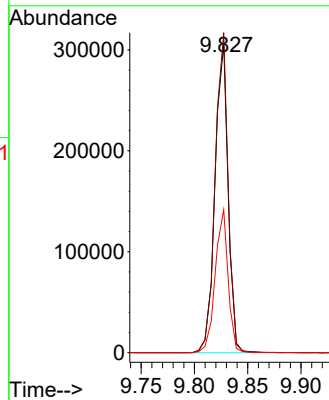
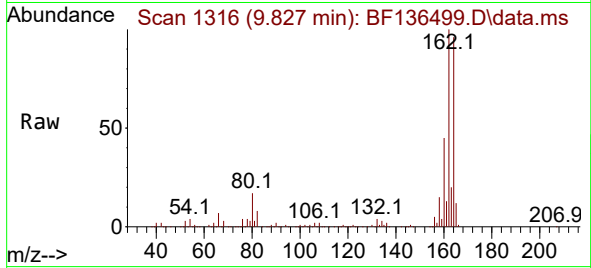




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

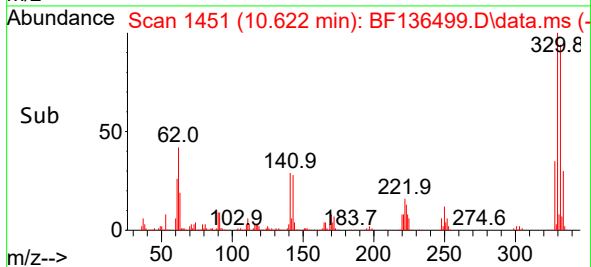
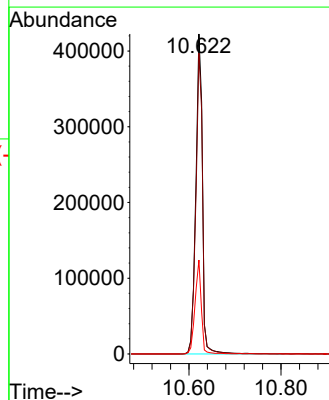
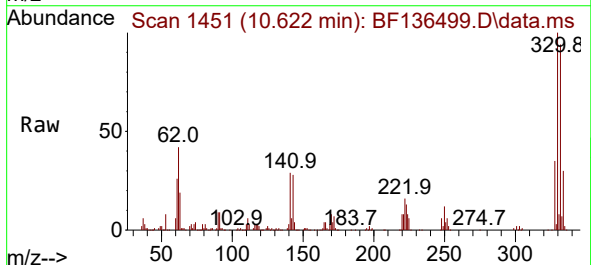
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TP-35

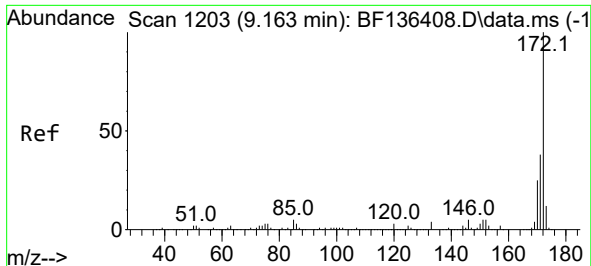
Tgt Ion:164 Resp: 261500
Ion Ratio Lower Upper
164 100
162 103.6 84.4 126.6
160 46.3 37.6 56.4



#42
2,4,6-Tribromophenol
Concen: 129.523 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

Tgt Ion:330 Resp: 417624
Ion Ratio Lower Upper
330 100
332 94.4 76.4 114.6
141 28.0 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 83.440 ng

RT: 9.151 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136499.D

Acq: 11 Dec 2023 19:49

Instrument :

BNA_F

ClientSampleId :

TP-35

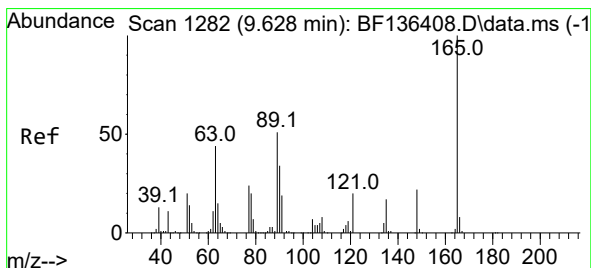
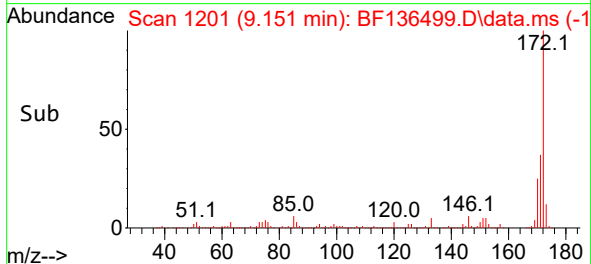
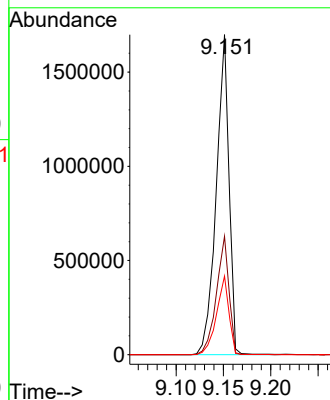
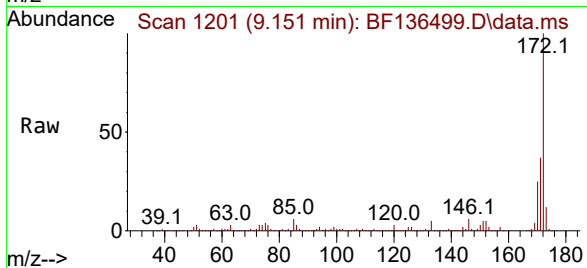
Tgt Ion:172 Resp: 1599086

Ion Ratio Lower Upper

172 100

171 37.0 30.5 45.7

170 24.6 19.9 29.9



#51

2,6-Dinitrotoluene

Concen: 7.773 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.200 min

Lab File: BF136499.D

Acq: 11 Dec 2023 19:49

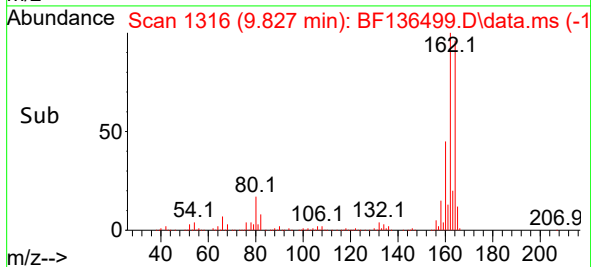
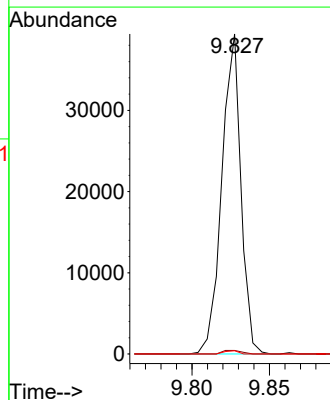
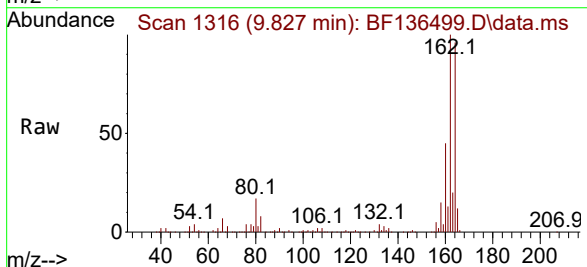
Tgt Ion:165 Resp: 33668

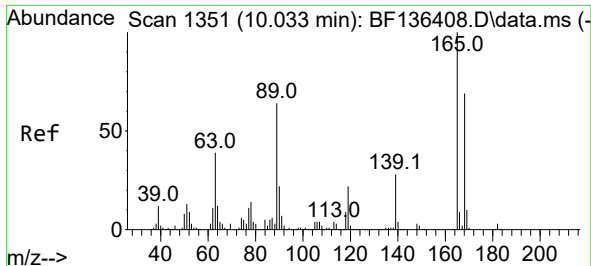
Ion Ratio Lower Upper

165 100

63 1.1 40.4 60.6#

89 1.0 40.6 60.8#

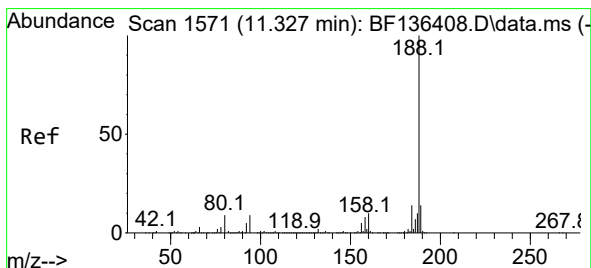
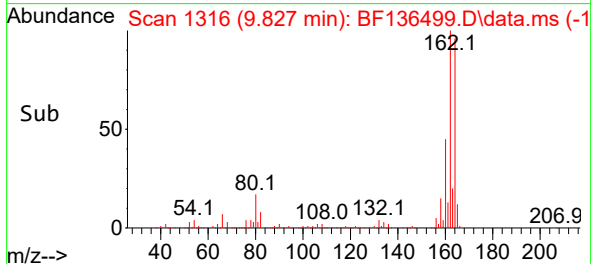
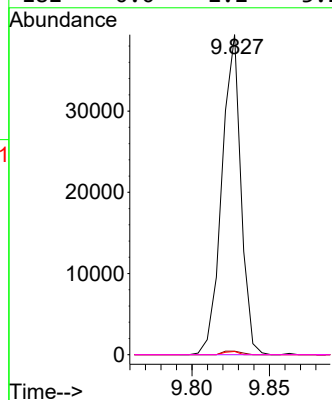
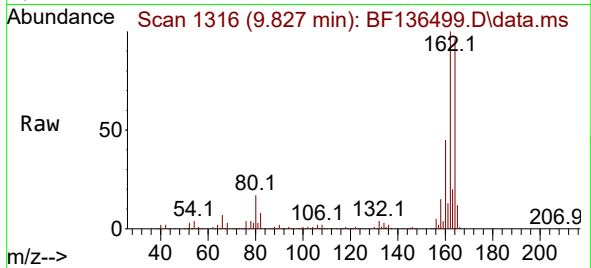




#57
2,4-Dinitrotoluene
Concen: 5.876 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

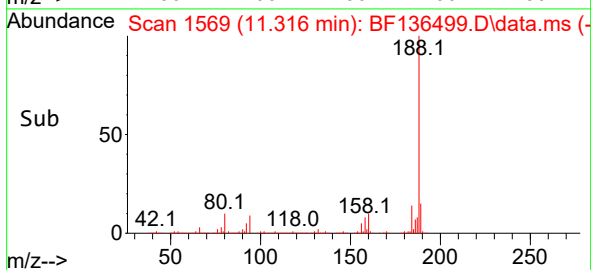
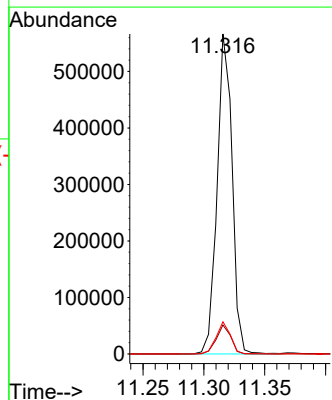
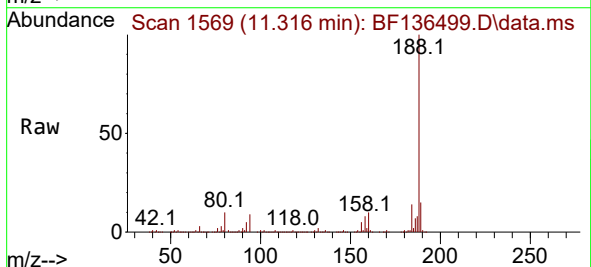
Instrument :
BNA_F
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TP-35

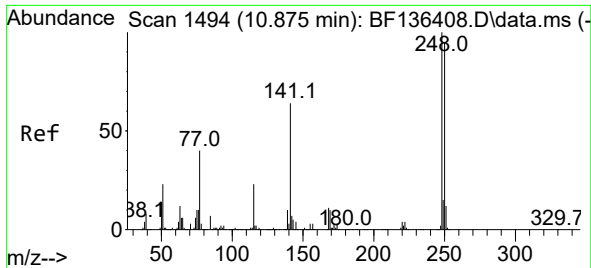
Tgt Ion:165 Resp: 33668
Ion Ratio Lower Upper
165 100
63 1.1 31.4 47.2#
89 1.0 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

Tgt Ion:188 Resp: 487347
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.1 7.2 10.8

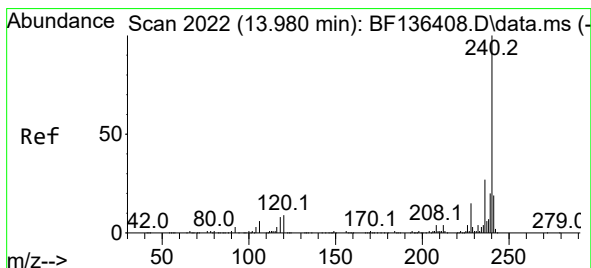
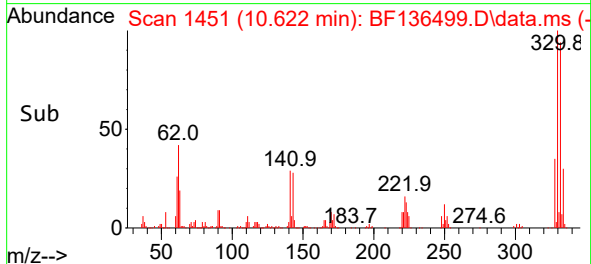
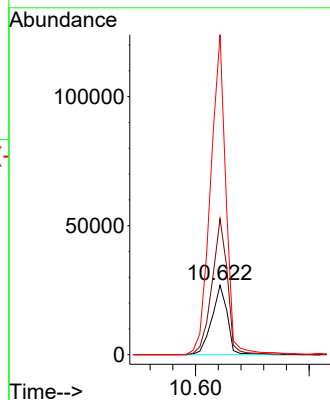
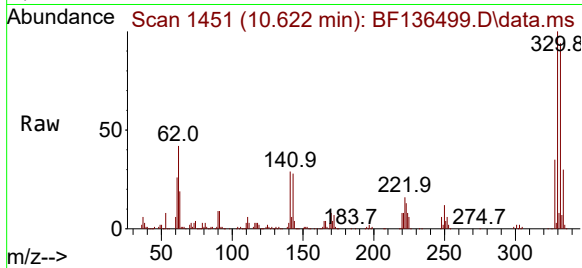




#67
4-Bromophenyl-phenylether
Concen: 4.489 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

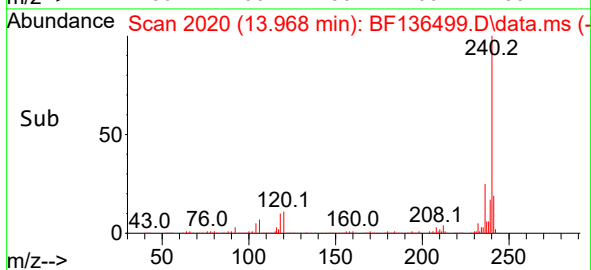
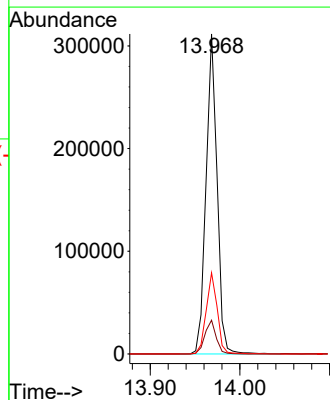
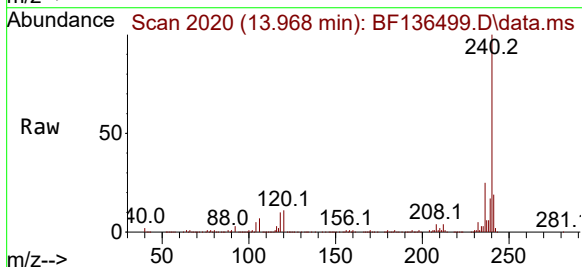
Instrument :
BNA_F
ClientSampleId :
TP-35

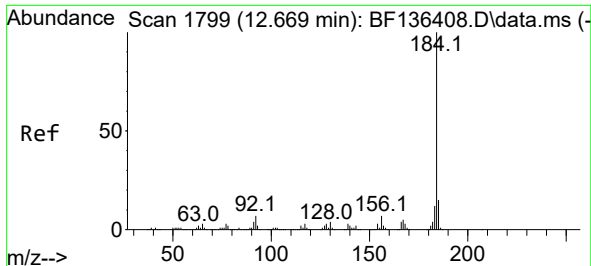
Tgt Ion:248 Resp: 25434
Ion Ratio Lower Upper
248 100
250 195.9 76.2 114.2#
141 461.1 51.0 76.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

Tgt Ion:240 Resp: 265988
Ion Ratio Lower Upper
240 100
120 10.6 7.3 10.9
236 25.3 21.3 31.9

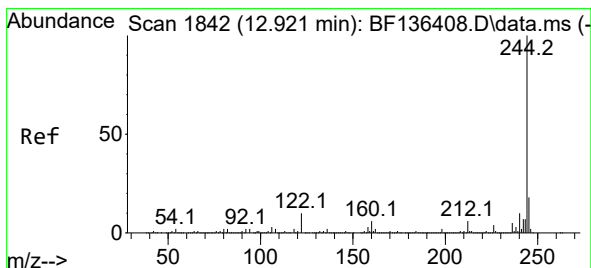
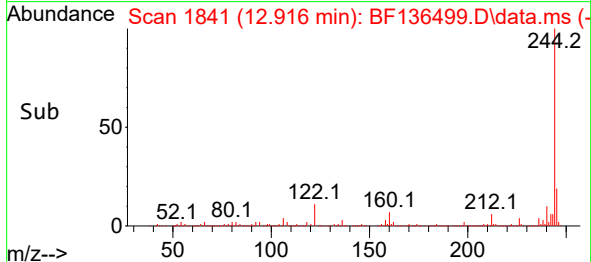
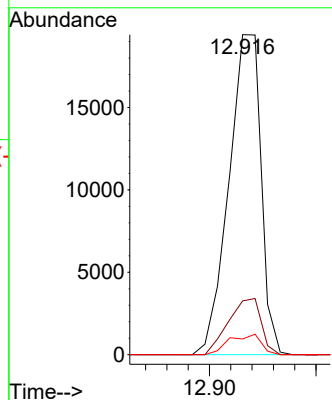
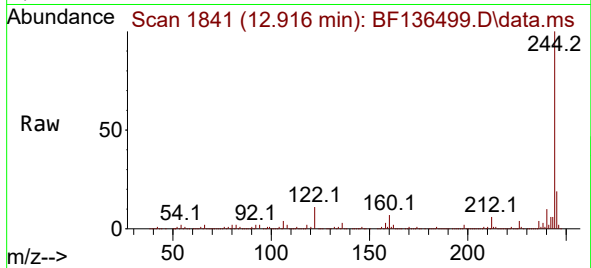




#77
Benzidine
Concen: 4.542 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.247 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

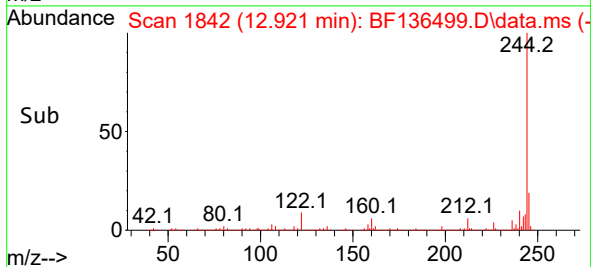
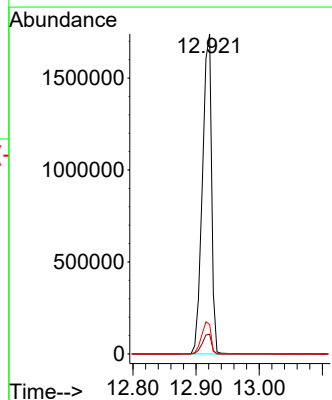
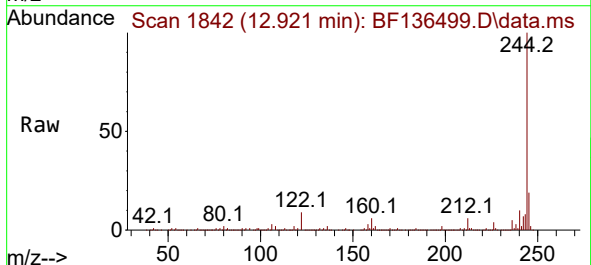
Instrument :
BNA_F
ClientSampleId :
TP-35

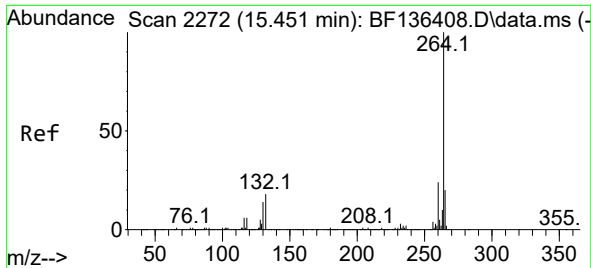
Tgt Ion:184 Resp: 20429
Ion Ratio Lower Upper
184 100
185 16.8 12.0 18.0
183 4.9 9.4 14.0#



#79
Terphenyl-d14
Concen: 86.505 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

Tgt Ion:244 Resp: 1745715
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.4
122 9.2 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136499.D
Acq: 11 Dec 2023 19:49

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:264 Resp: 260861

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.1	15.9	23.9

