

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121123\
 Data File : BF136498.D
 Acq On : 11 Dec 2023 19:17
 Operator : CG\JU
 Sample : 05671-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-34

Quant Time: Dec 11 23:46:15 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)

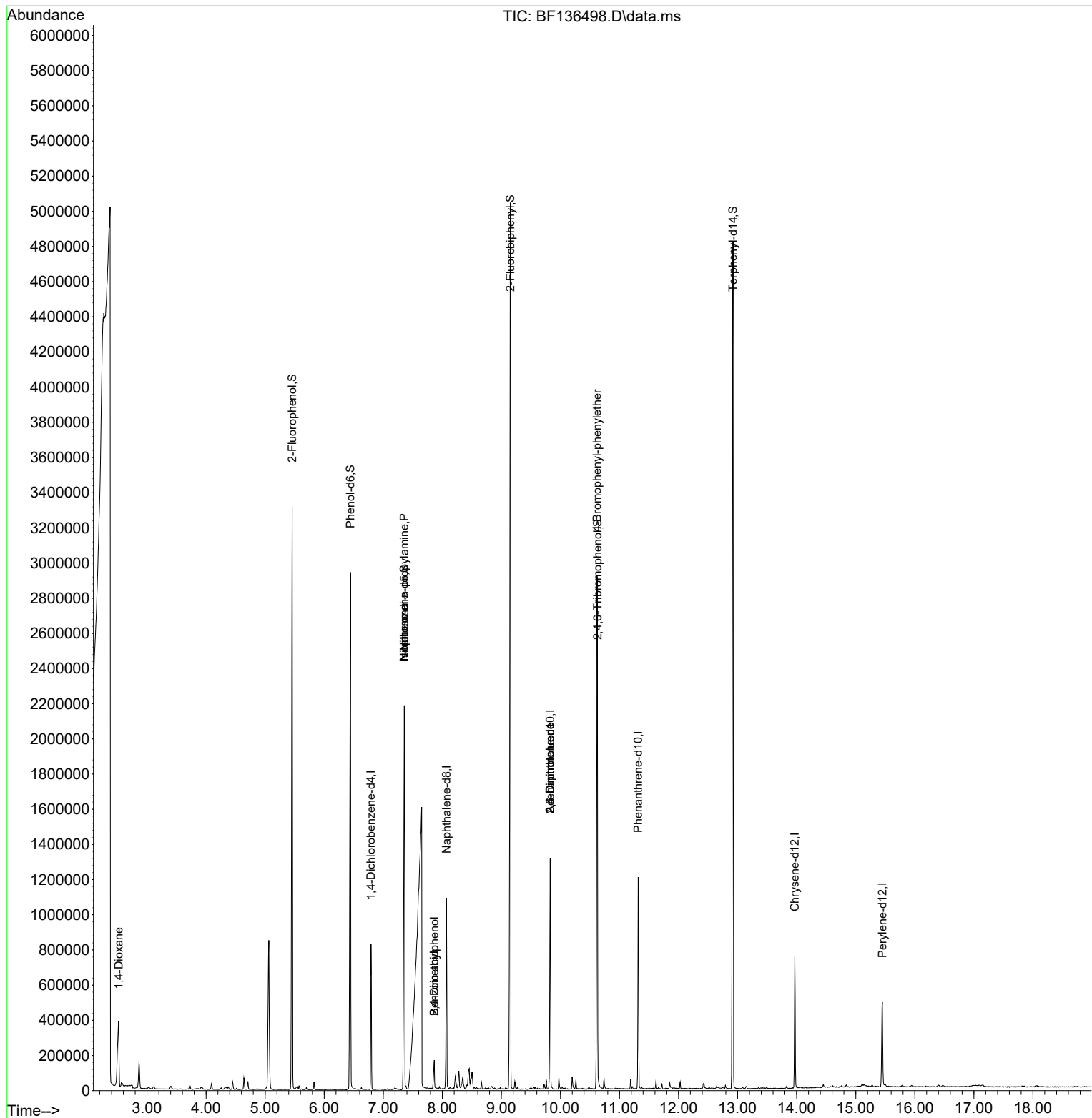
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	119569	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	478924	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	252823	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	468187	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	247034	20.000	ng	-0.01
86) Perylene-d12	15.451	264	235035	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	1020036	125.987	ng	0.02
7) Phenol-d6	6.445	99	1141430	112.997	ng	0.00
23) Nitrobenzene-d5	7.357	82	837901	94.581	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	438479	140.659	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1701294	91.820	ng	-0.01
79) Terphenyl-d14	12.921	244	1890364	100.860	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.522	88	9328	2.913	ng	# 1
9) Benzaldehyde	6.351	77	336	Below Cal		# 83
19) n-Nitroso-di-n-propyla...	7.357	70	110149	18.903	ng	# 76
25) Isophorone	7.357	82	837894	52.644	ng	# 65
27) 2,4-Dimethylphenol	7.863	122	34726	6.428	ng	# 5
32) Benzoic acid	7.863	122	34726	6.480	ng	# 93
51) 2,6-Dinitrotoluene	9.827	165	32060	7.656	ng	# 29
57) 2,4-Dinitrotoluene	9.827	165	32060	5.787	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	26894	4.941	ng	# 1
77) Benzidine	12.668	184	2183	Below Cal		# 92

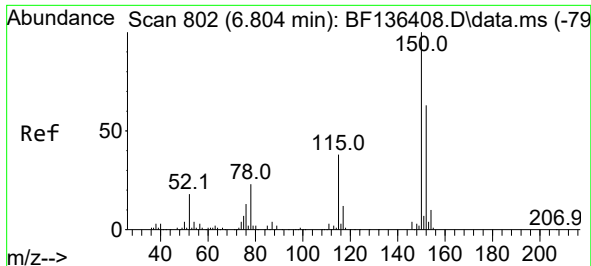
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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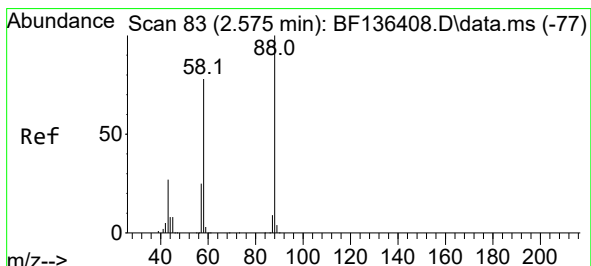
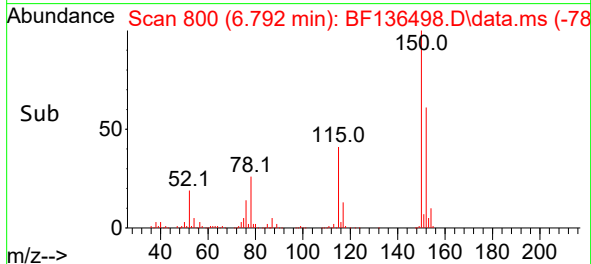
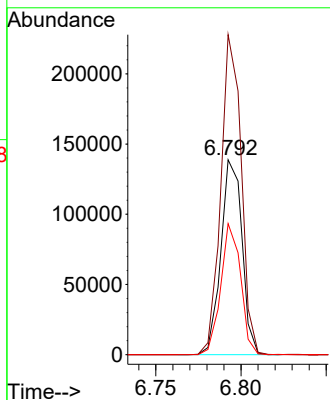
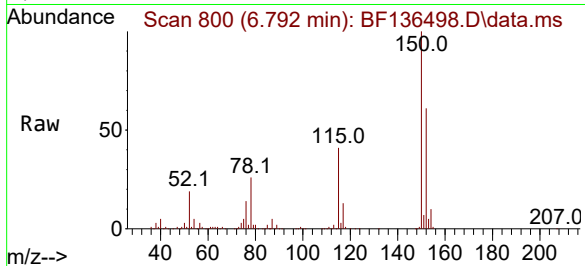




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 80
 Delta R.T. -0.012 min
 Lab File: BF136498.D
 Acq: 11 Dec 2023 19:17

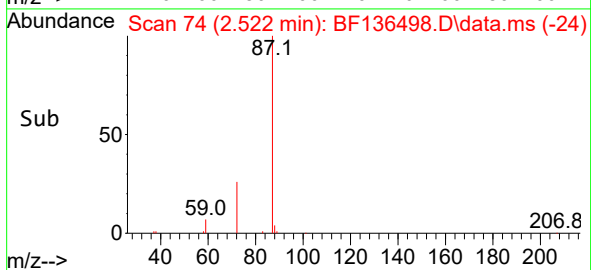
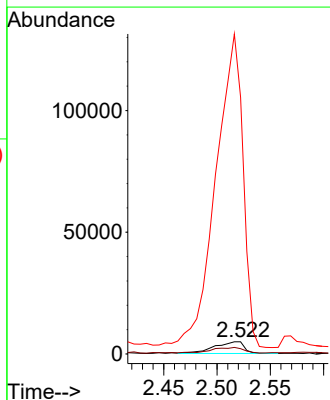
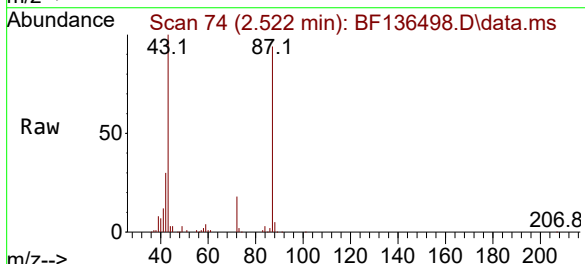
Instrument :
 BNA_F
 ClientSampleId :
 TP-34

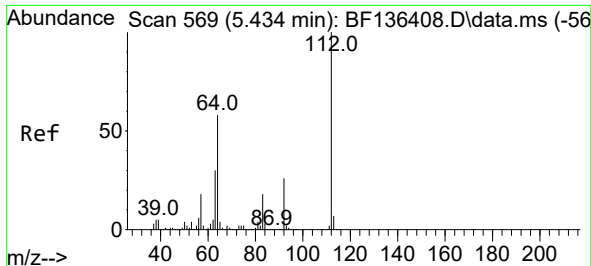
Tgt Ion:152 Resp: 119569
 Ion Ratio Lower Upper
 152 100
 150 164.3 126.4 189.6
 115 67.3 48.2 72.4



#2
 1,4-Dioxane
 Concen: 2.913 ng
 RT: 2.522 min Scan# 74
 Delta R.T. -0.053 min
 Lab File: BF136498.D
 Acq: 11 Dec 2023 19:17

Tgt Ion: 88 Resp: 9328
 Ion Ratio Lower Upper
 88 100
 58 55.5 62.2 93.2#
 43 2463.0 21.5 32.3#

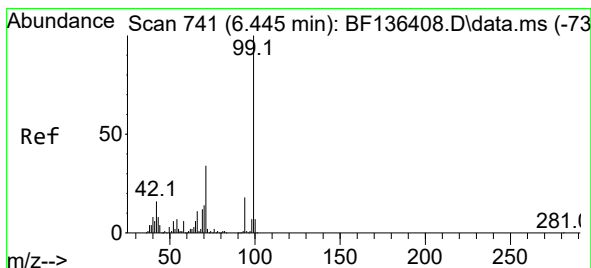
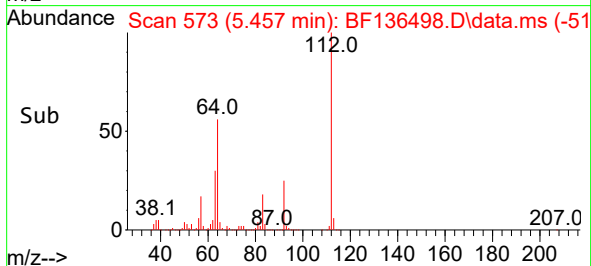
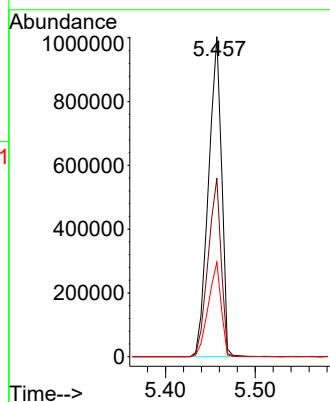
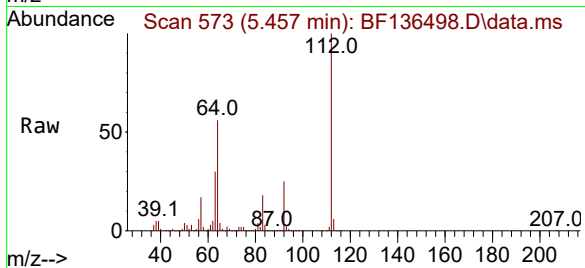




#5
2-Fluorophenol
Concen: 125.987 ng
RT: 5.457 min Scan# 51
Delta R.T. 0.023 min
Lab File: BF136498.D
Acq: 11 Dec 2023 19:17

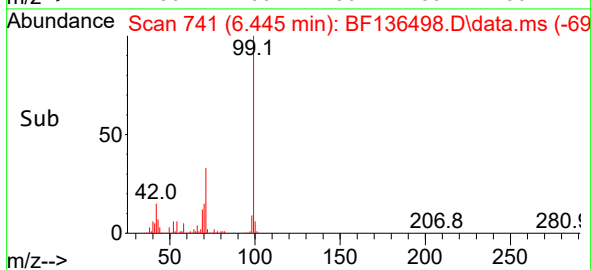
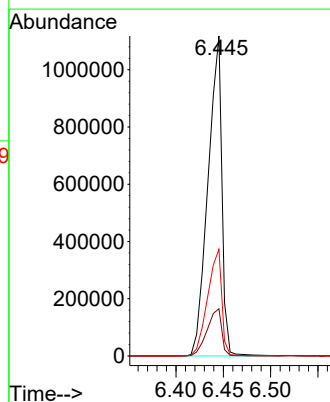
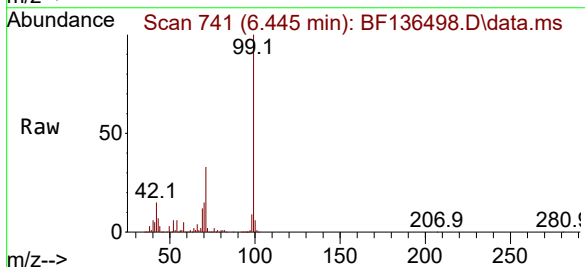
Instrument :
BNA_F
ClientSampleId :
TP-34

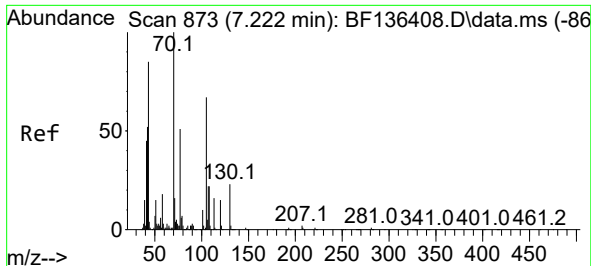
Tgt Ion:112 Resp: 1020036
Ion Ratio Lower Upper
112 100
64 55.8 46.5 69.7
63 29.5 23.9 35.9



#7
Phenol-d6
Concen: 112.997 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF136498.D
Acq: 11 Dec 2023 19:17

Tgt Ion: 99 Resp: 1141430
Ion Ratio Lower Upper
99 100
42 14.8 12.8 19.2
71 33.4 27.0 40.4





#19

n-Nitroso-di-n-propylamine

Concen: 18.903 ng

RT: 7.357 min Scan# 896

Delta R.T. 0.135 min

Lab File: BF136498.D

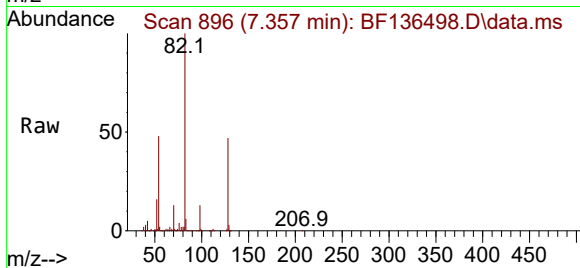
Acq: 11 Dec 2023 19:17

Instrument :

BNA_F

ClientSampleId :

TP-34



Tgt Ion: 70 Resp: 110149

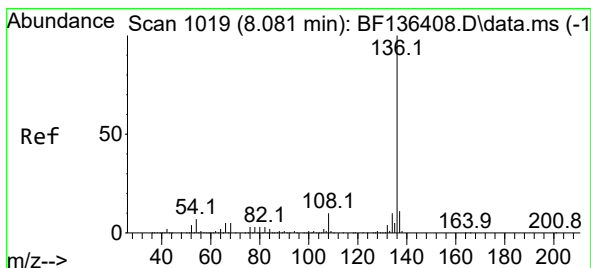
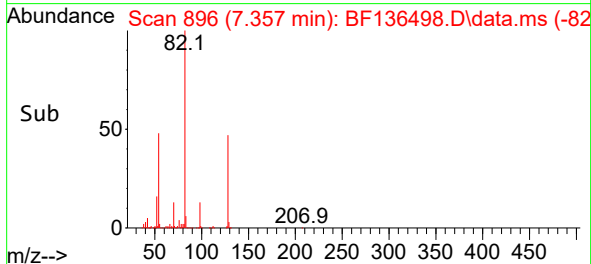
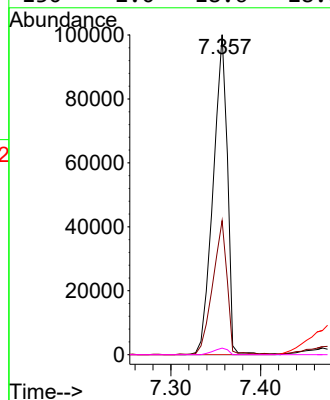
Ion Ratio Lower Upper

70 100

42 41.9 41.4 62.0

101 0.0 8.2 12.4#

130 2.0 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: BF136498.D

Acq: 11 Dec 2023 19:17

Tgt Ion: 136 Resp: 478924

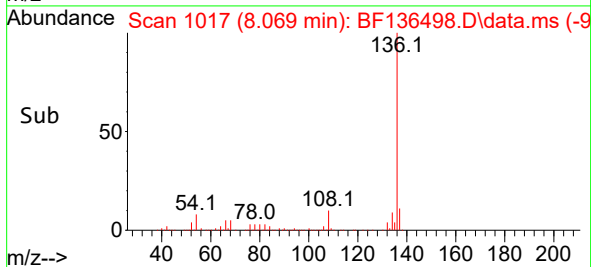
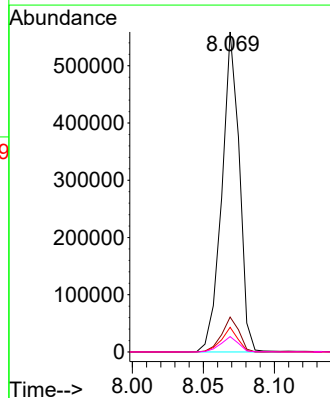
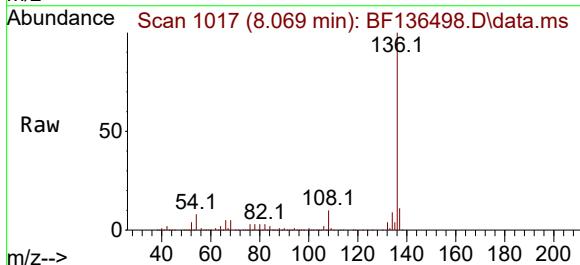
Ion Ratio Lower Upper

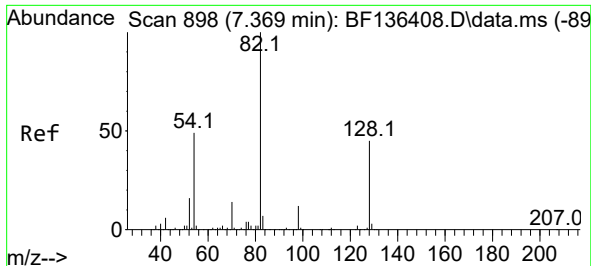
136 100

137 10.9 8.6 12.8

54 7.7 5.7 8.5

68 4.8 4.0 6.0





#23

Nitrobenzene-d5

Concen: 94.581 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF136498.D

Acq: 11 Dec 2023 19:17

Instrument :

BNA_F

ClientSampleId :

TP-34

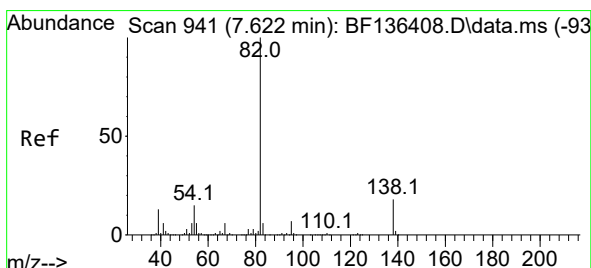
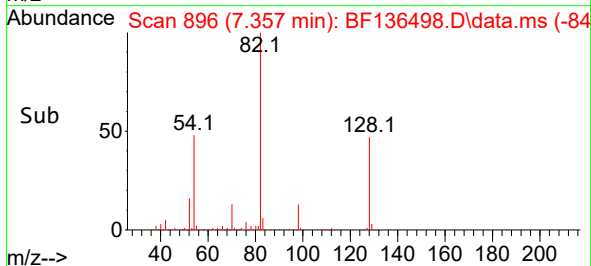
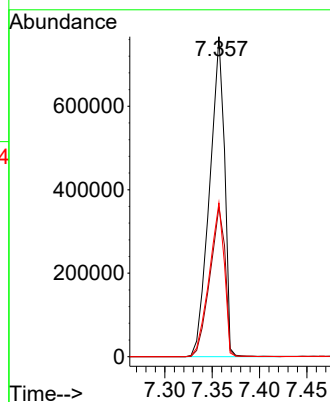
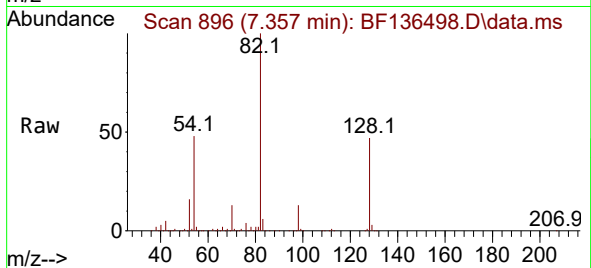
Tgt Ion: 82 Resp: 837901

Ion Ratio Lower Upper

82 100

128 46.8 36.3 54.5

54 48.0 39.0 58.6



#25

Isophorone

Concen: 52.644 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.265 min

Lab File: BF136498.D

Acq: 11 Dec 2023 19:17

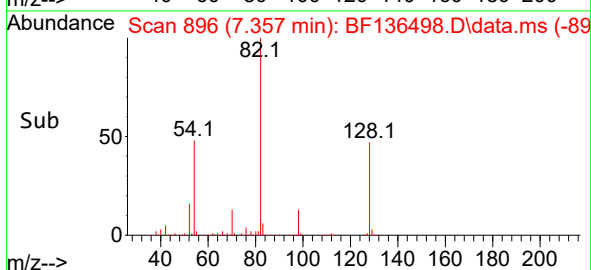
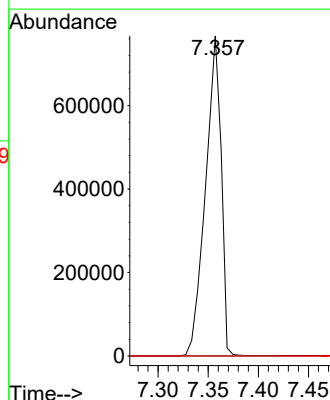
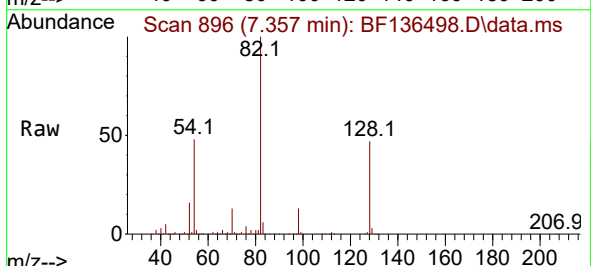
Tgt Ion: 82 Resp: 837894

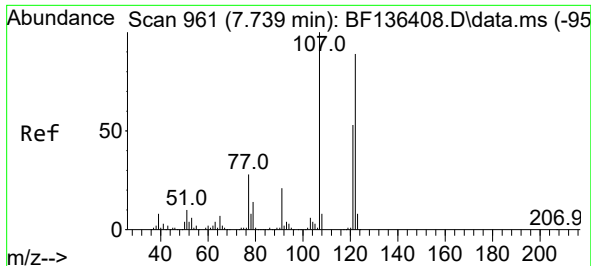
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.5 21.7#

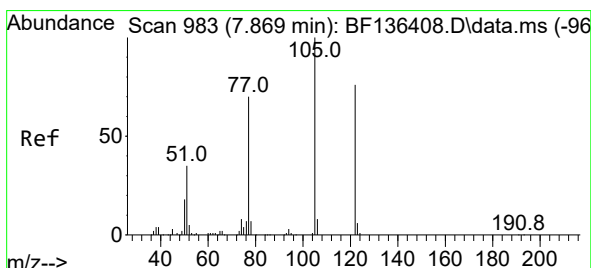
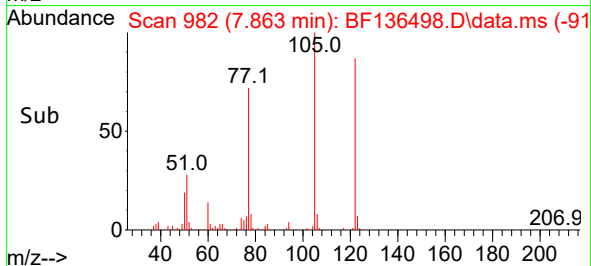
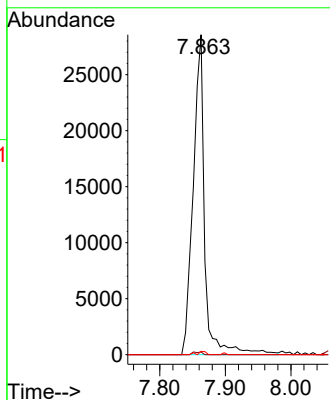
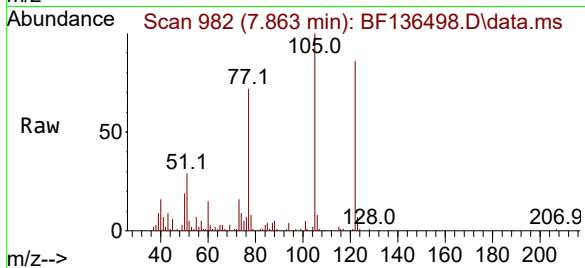




#27
2,4-Dimethylphenol
Concen: 6.428 ng
RT: 7.863 min Scan# 91
Delta R.T. 0.123 min
Lab File: BF136498.D
Acq: 11 Dec 2023 19:17

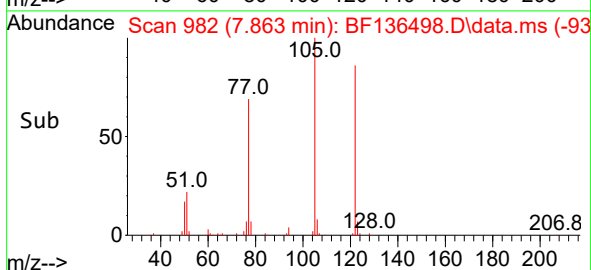
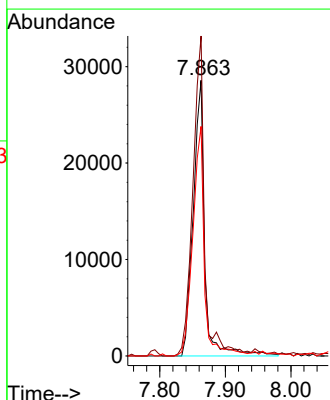
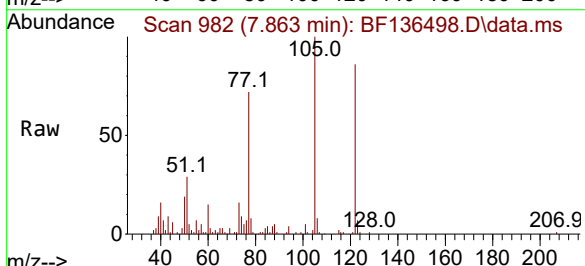
Instrument :
BNA_F
ClientSampleId :
TP-34

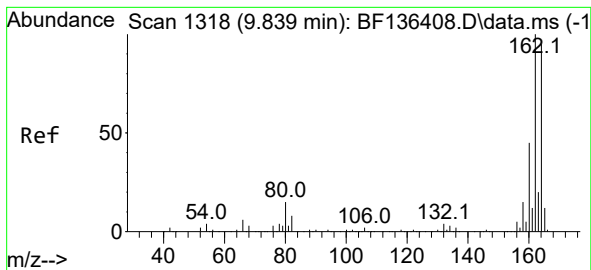
Tgt Ion:122 Resp: 34726
Ion Ratio Lower Upper
122 100
107 0.8 89.3 133.9#
121 1.1 47.6 71.4#



#32
Benzoic acid
Concen: 6.480 ng
RT: 7.863 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF136498.D
Acq: 11 Dec 2023 19:17

Tgt Ion:122 Resp: 34726
Ion Ratio Lower Upper
122 100
105 116.1 104.7 144.7
77 83.3 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: BF136498.D

Acq: 11 Dec 2023 19:17

Instrument :

BNA_F

ClientSampleId :

TP-34

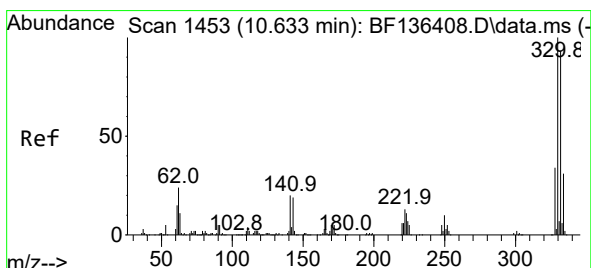
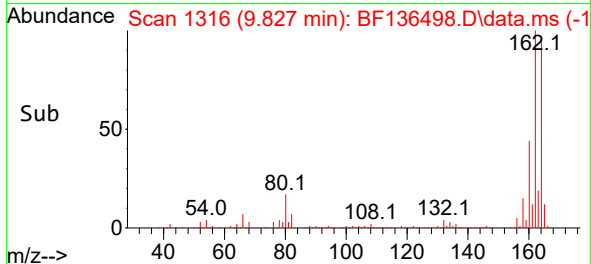
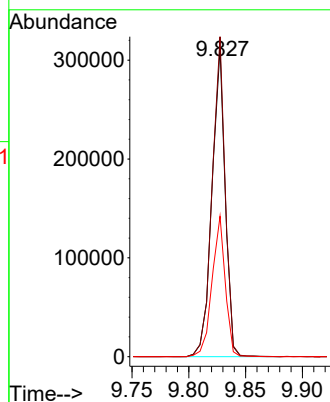
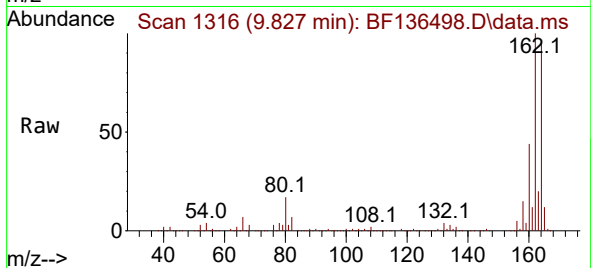
Tgt Ion:164 Resp: 252823

Ion Ratio Lower Upper

164 100

162 103.7 84.4 126.6

160 45.5 37.6 56.4



#42

2,4,6-Tribromophenol

Concen: 140.659 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.006 min

Lab File: BF136498.D

Acq: 11 Dec 2023 19:17

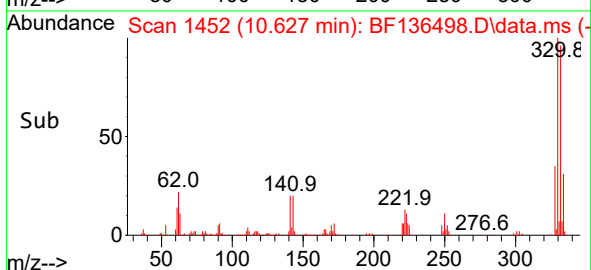
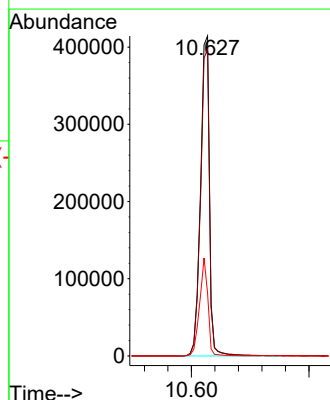
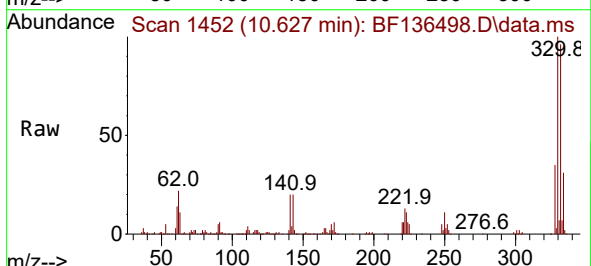
Tgt Ion:330 Resp: 438479

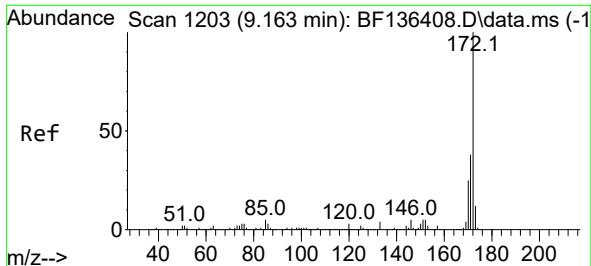
Ion Ratio Lower Upper

330 100

332 95.4 76.4 114.6

141 28.6 23.4 35.2

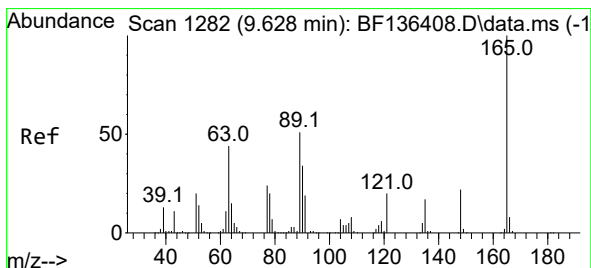
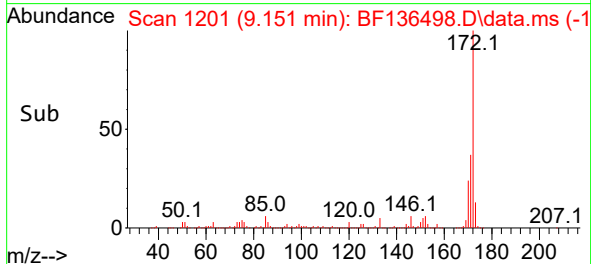
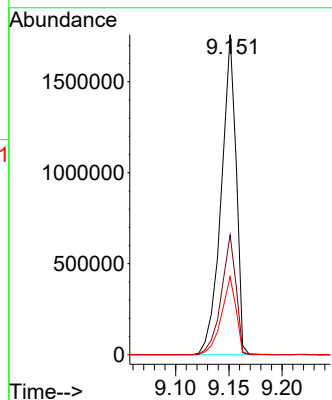
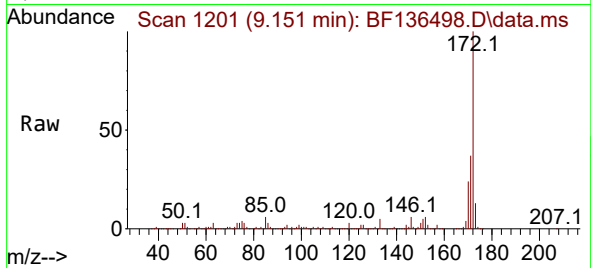




#45
2-Fluorobiphenyl
Concen: 91.820 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136498.D
Acq: 11 Dec 2023 19:17

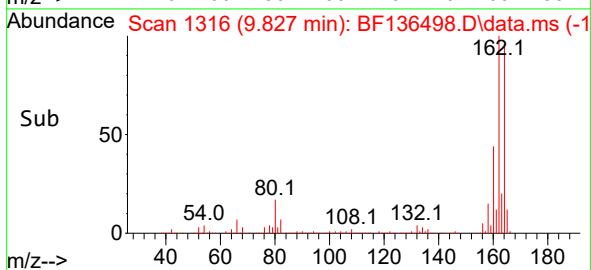
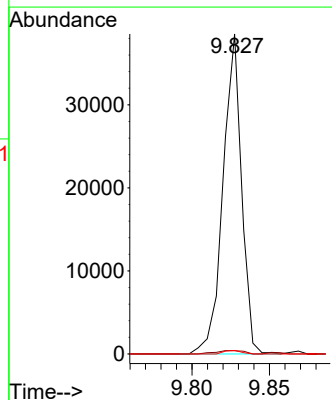
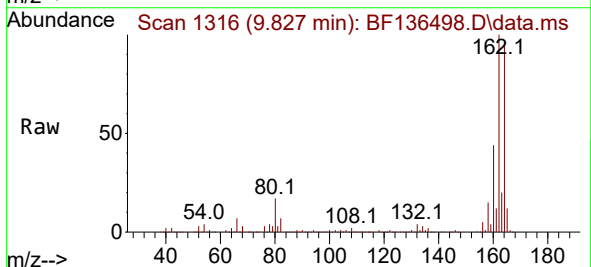
Instrument :
BNA_F
ClientSampleId :
TP-34

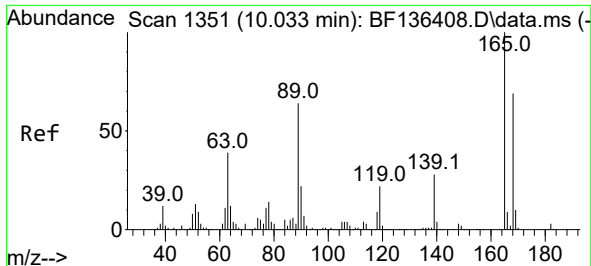
Tgt Ion:172 Resp: 1701294
Ion Ratio Lower Upper
172 100
171 37.5 30.5 45.7
170 24.4 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 7.656 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136498.D
Acq: 11 Dec 2023 19:17

Tgt Ion:165 Resp: 32060
Ion Ratio Lower Upper
165 100
63 1.0 40.4 60.6#
89 1.1 40.6 60.8#

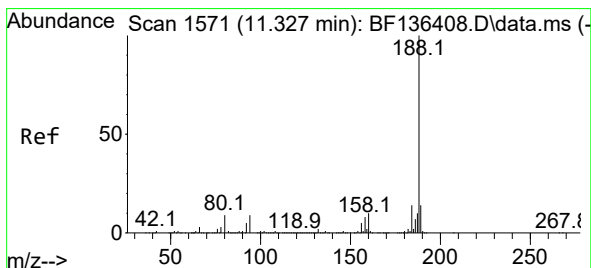
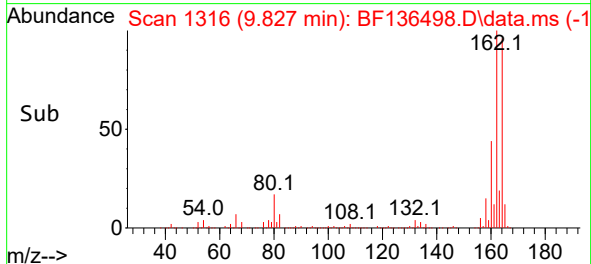
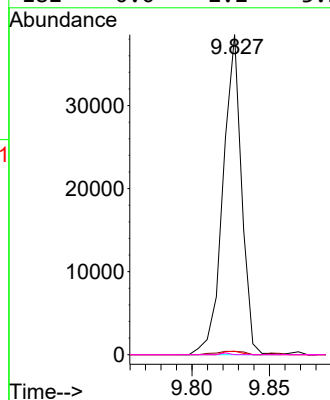
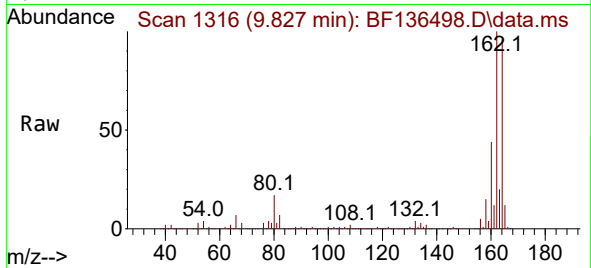




#57
2,4-Dinitrotoluene
Concen: 5.787 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136498.D
Acq: 11 Dec 2023 19:17

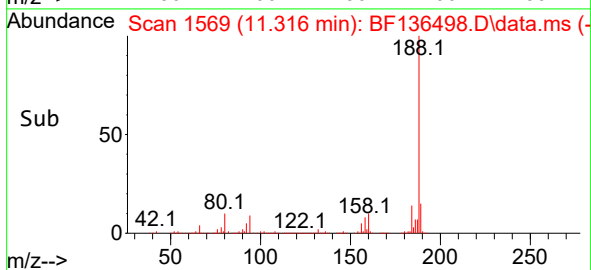
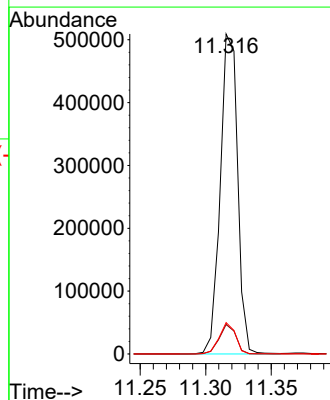
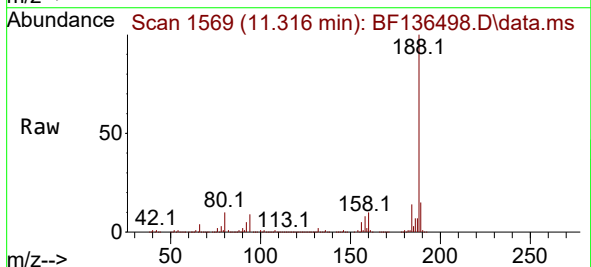
Instrument :
BNA_F
ClientSampleId :
TP-34

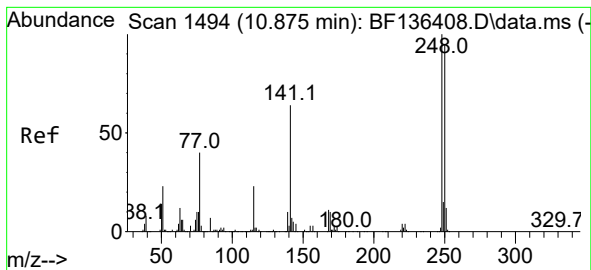
Tgt Ion:165	Resp:	32060
Ion Ratio	Lower	Upper
165	100	
63	1.0	31.4 47.2#
89	1.1	51.7 77.5#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136498.D
Acq: 11 Dec 2023 19:17

Tgt Ion:188	Resp:	468187
Ion Ratio	Lower	Upper
188	100	
94	9.2	7.2 10.8
80	9.8	7.2 10.8

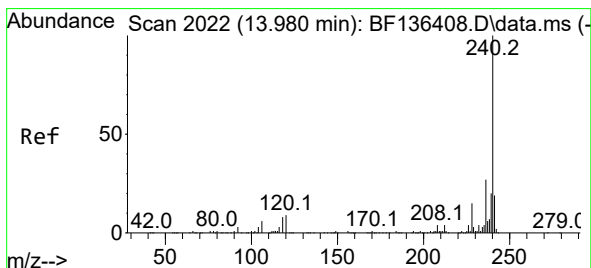
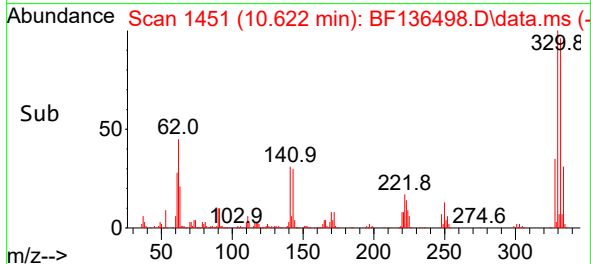
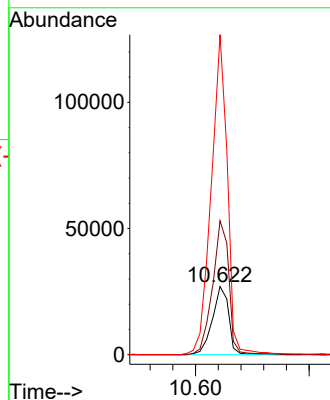
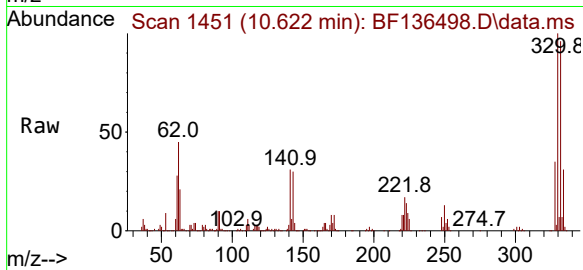




#67
4-Bromophenyl-phenylether
Concen: 4.941 ng
RT: 10.622 min Scan# 1494
Delta R.T. -0.253 min
Lab File: BF136498.D
Acq: 11 Dec 2023 19:17

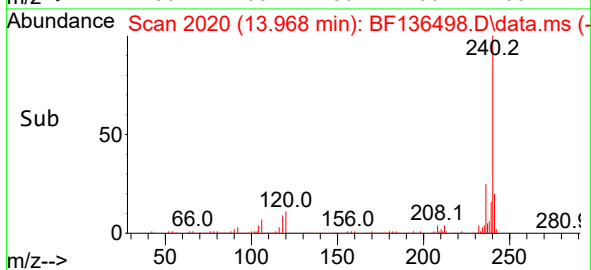
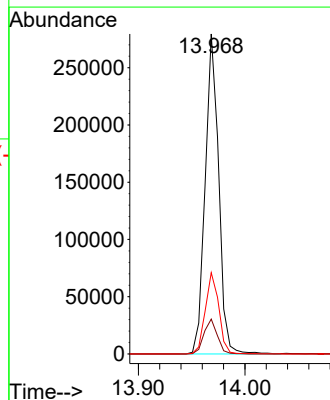
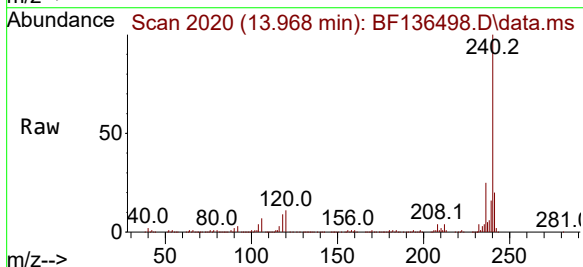
Instrument :
BNA_F
ClientSampleId :
TP-34

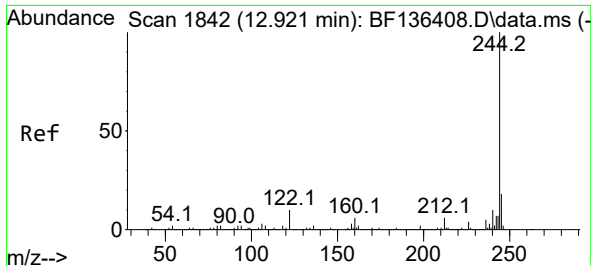
Tgt Ion:248 Resp: 26894
Ion Ratio Lower Upper
248 100
250 196.3 76.2 114.2#
141 469.0 51.0 76.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136498.D
Acq: 11 Dec 2023 19:17

Tgt Ion:240 Resp: 247034
Ion Ratio Lower Upper
240 100
120 10.9 7.3 10.9
236 25.4 21.3 31.9

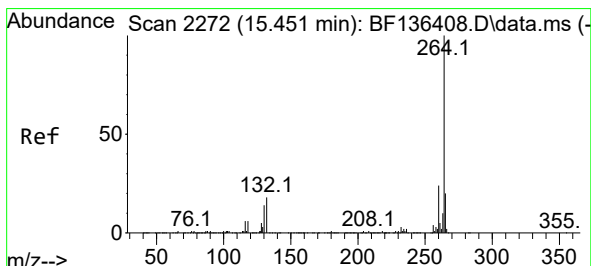
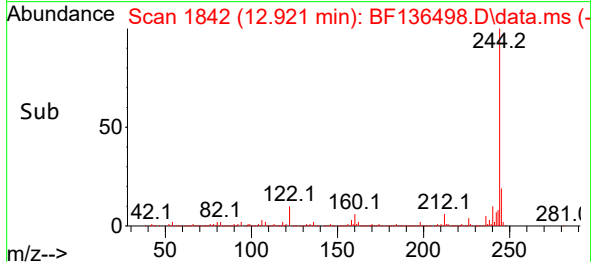
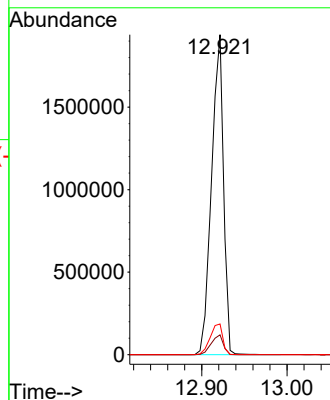
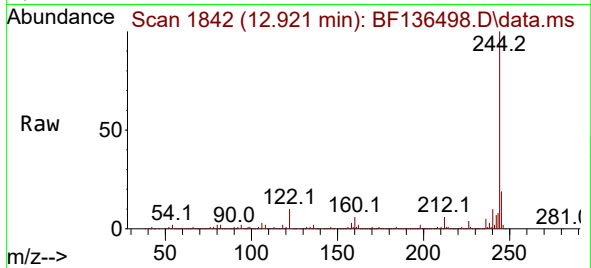




#79
 Terphenyl-d14
 Concen: 100.860 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF136498.D
 Acq: 11 Dec 2023 19:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-34

Tgt Ion:244 Resp: 1890364
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 9.6 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: BF136498.D
 Acq: 11 Dec 2023 19:17

Tgt Ion:264 Resp: 235035
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.7 15.9 23.9

