

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
 Data File : BF136434.D
 Acq On : 06 Dec 2023 18:17
 Operator : CG\JU
 Sample : 05602-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 00:54:04 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)

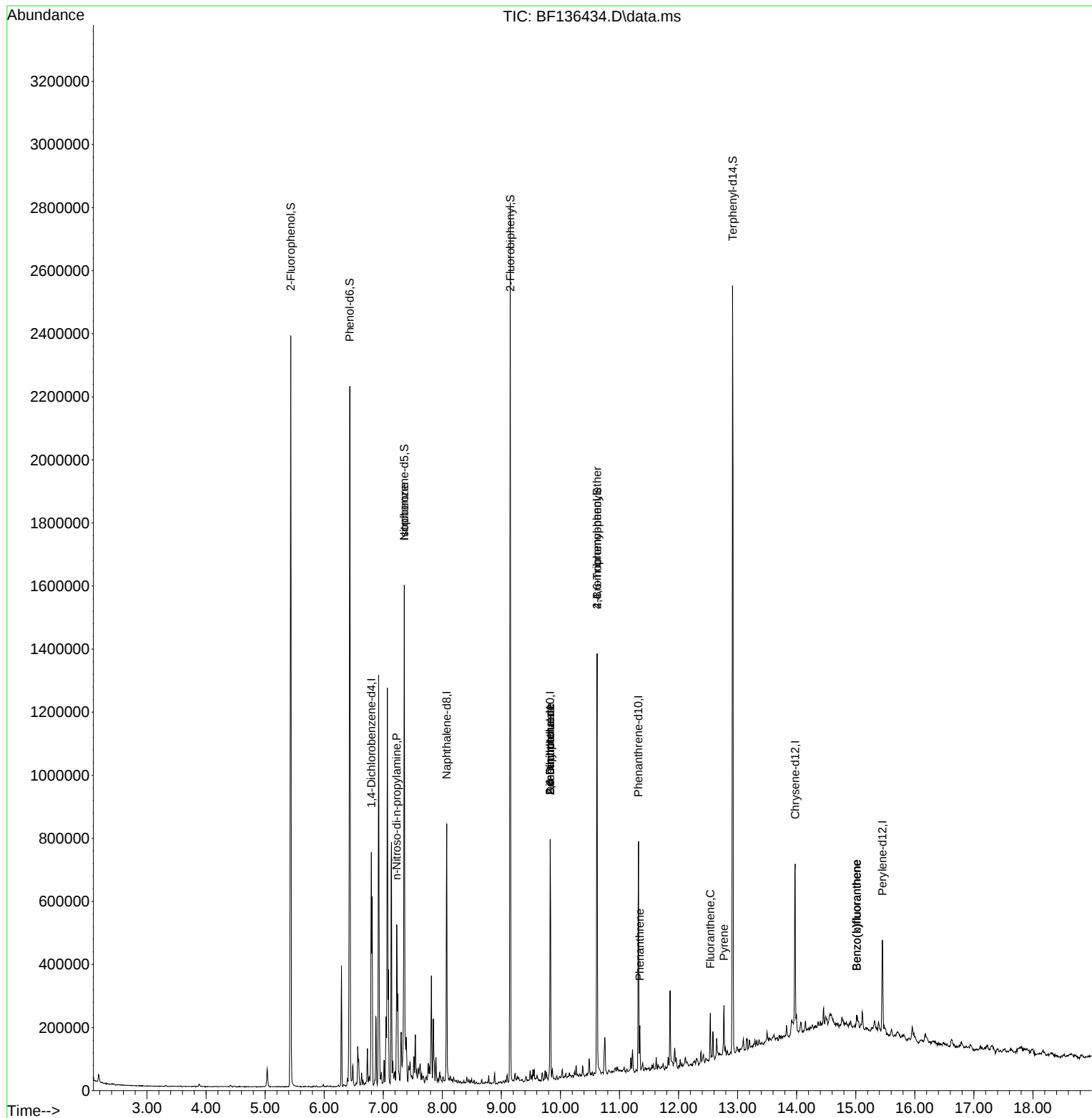
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	97737	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	337144	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	140905	20.000	ng	-0.01
64) Phenanthrene-d10	11.321	188	254261	20.000	ng	0.00
76) Chrysene-d12	13.974	240	176423	20.000	ng	0.00
86) Perylene-d12	15.451	264	139250	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	677499	102.372	ng	0.00
7) Phenol-d6	6.434	99	810114	98.112	ng	-0.01
23) Nitrobenzene-d5	7.357	82	467033	74.888	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	167757	96.558	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	773645	74.918	ng	-0.01
79) Terphenyl-d14	12.915	244	850892	63.570	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.351	77	289	Below Cal	#	64
19) n-Nitroso-di-n-propyla...	7.228	70	30734	6.453	ng	# 51
25) Isophorone	7.357	82	465683	41.563	ng	# 65
50) Dimethylphthalate	9.827	163	27284	2.630	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	18256	7.822	ng	# 29
57) 2,4-Dinitrotoluene	9.827	165	18256	5.913	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	10208	3.453	ng	# 1
71) Phenanthrene	11.345	178	50994	3.649	ng	98
75) Fluoranthene	12.539	202	55742	3.806	ng	98
77) Benzidine	12.651	184	376	Below Cal	#	1
78) Pyrene	12.768	202	64563	3.737	ng	96
88) Benzo(b)fluoranthene	15.015	252	26174	2.749	ng	# 78
89) Benzo(k)fluoranthene	15.015	252	26174	2.917	ng	# 78

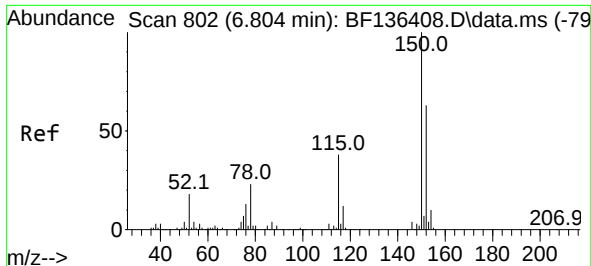
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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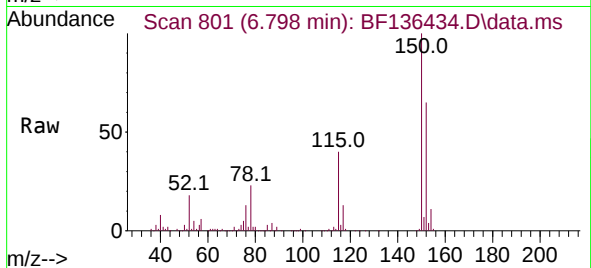
Quant Time: Dec 07 00:54:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
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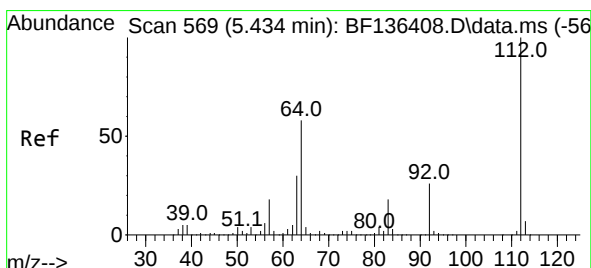
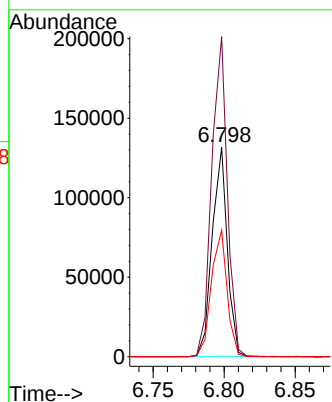
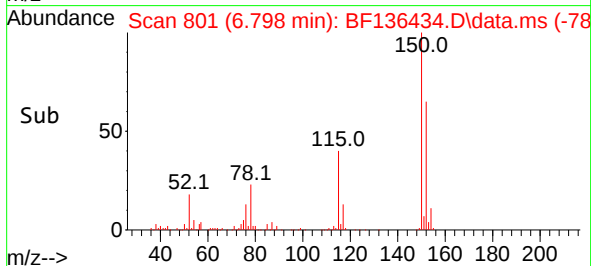


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

Instrument :
BNA_F
ClientSampleId :

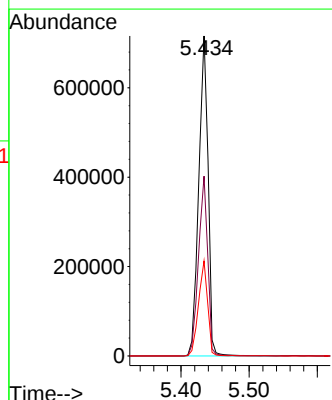
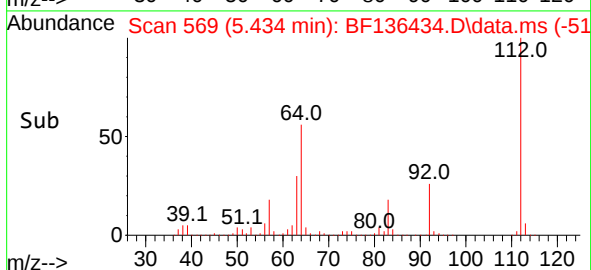
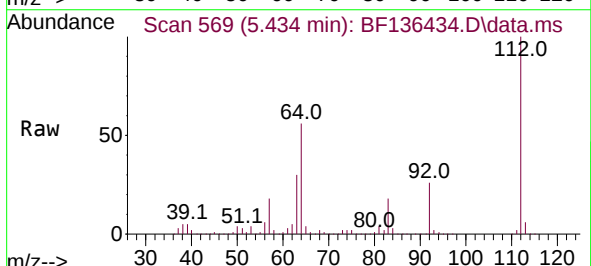


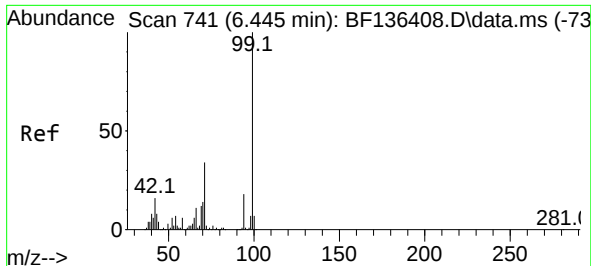
Tgt Ion:152 Resp: 97737
Ion Ratio Lower Upper
152 100
150 152.8 126.4 189.6
115 60.4 48.2 72.4



#5
2-Fluorophenol
Concen: 102.372 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

Tgt Ion:112 Resp: 677499
Ion Ratio Lower Upper
112 100
64 56.2 46.5 69.7
63 29.7 23.9 35.9

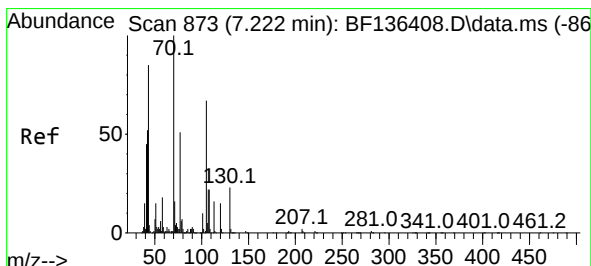
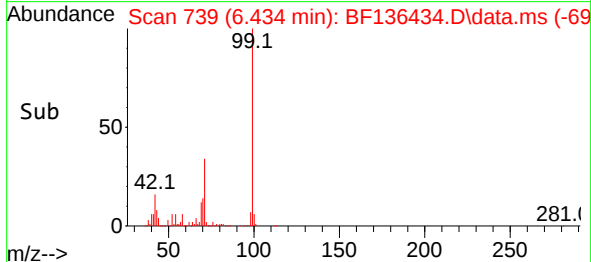
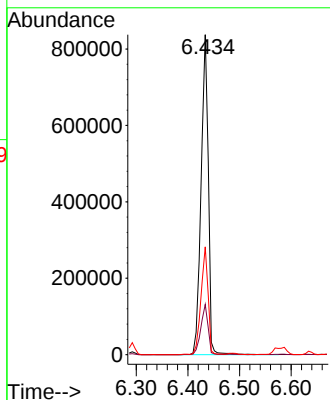
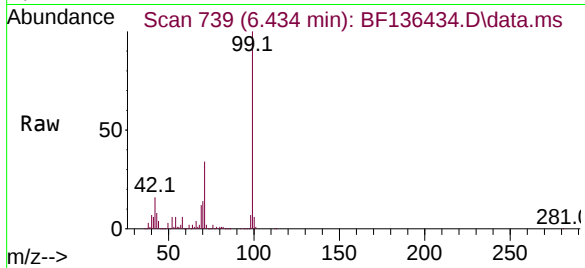




#7
Phenol-d6
Concen: 98.112 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

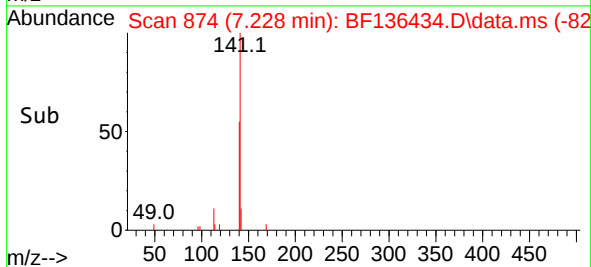
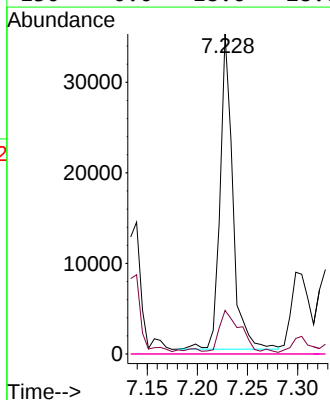
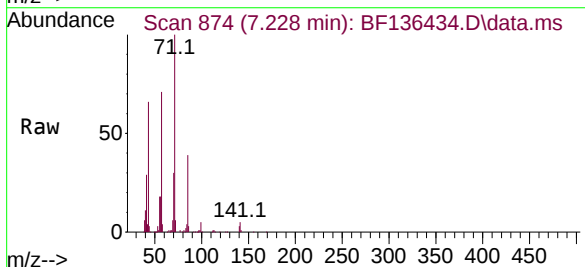
Instrument :
BNA_F
ClientSampleId :

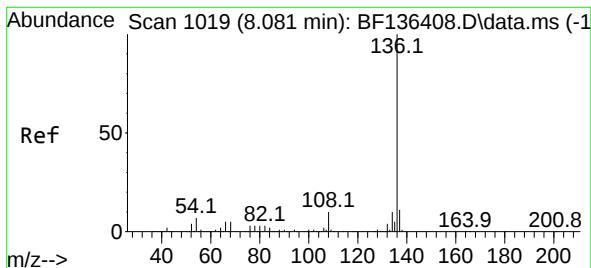
Tgt Ion: 99 Resp: 810114
Ion Ratio Lower Upper
99 100
42 15.7 12.8 19.2
71 33.7 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.453 ng
RT: 7.228 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

Tgt Ion: 70 Resp: 30734
Ion Ratio Lower Upper
70 100
42 13.6 41.4 62.0#
101 0.0 8.2 12.4#
130 0.0 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136434.D

Acq: 06 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:136 Resp: 337144

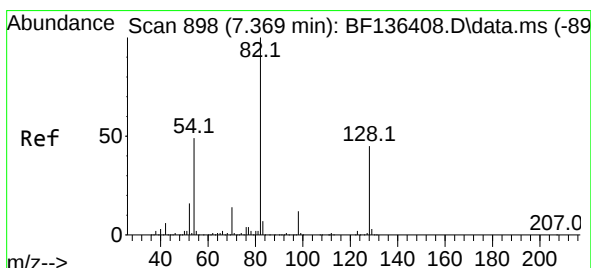
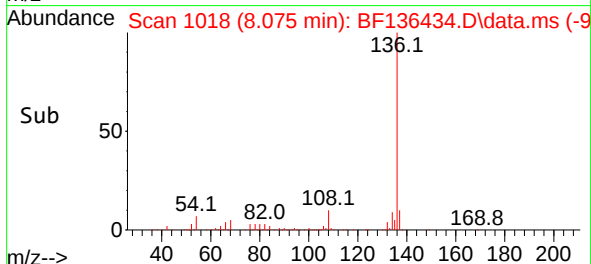
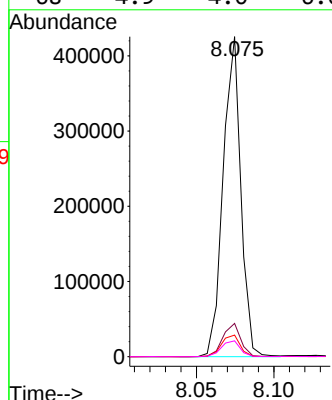
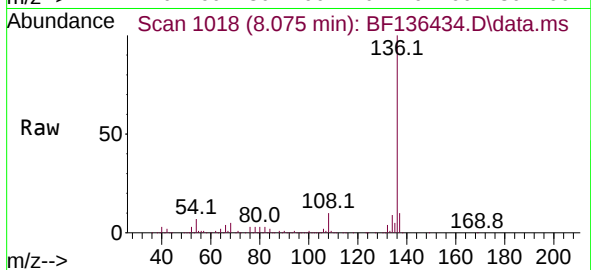
Ion Ratio Lower Upper

136 100

137 10.4 8.6 12.8

54 6.7 5.7 8.5

68 4.9 4.0 6.0



#23

Nitrobenzene-d5

Concen: 74.888 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF136434.D

Acq: 06 Dec 2023 18:17

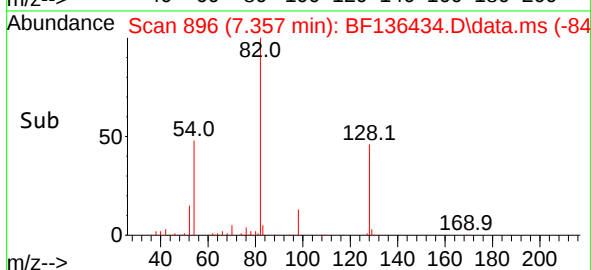
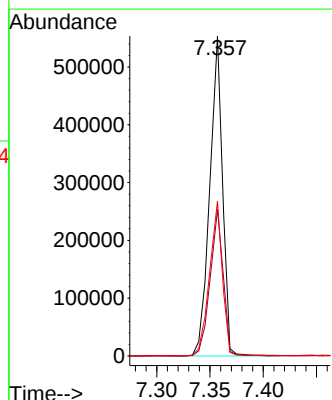
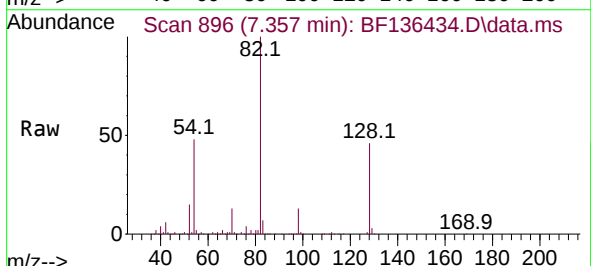
Tgt Ion: 82 Resp: 467033

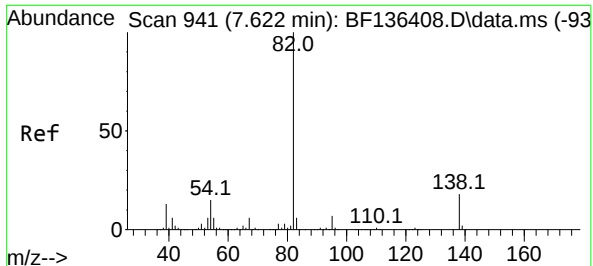
Ion Ratio Lower Upper

82 100

128 45.8 36.3 54.5

54 48.4 39.0 58.6

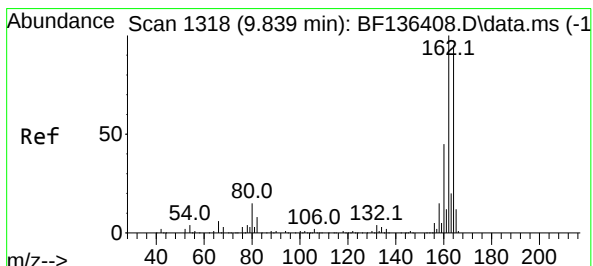
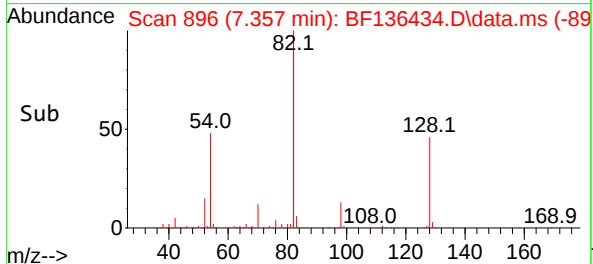
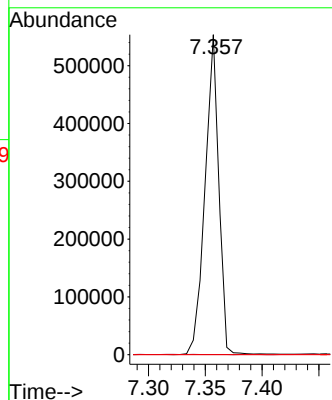
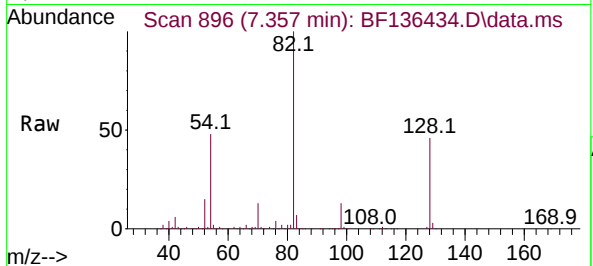




#25
Isophorone
Concen: 41.563 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

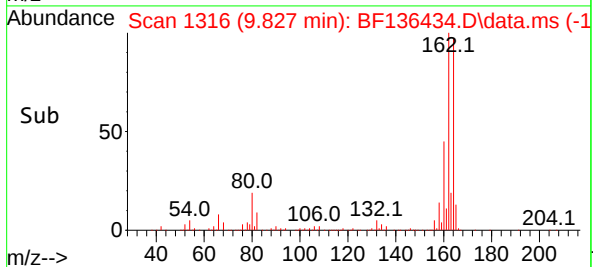
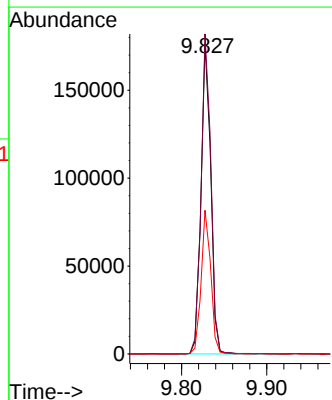
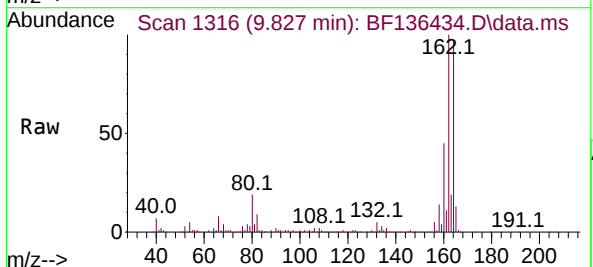
Instrument :
BNA_F
ClientSampleId :

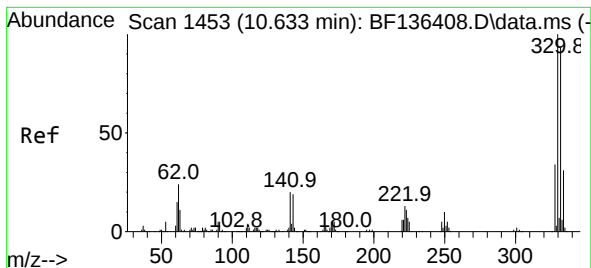
Tgt Ion: 82 Resp: 465683
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

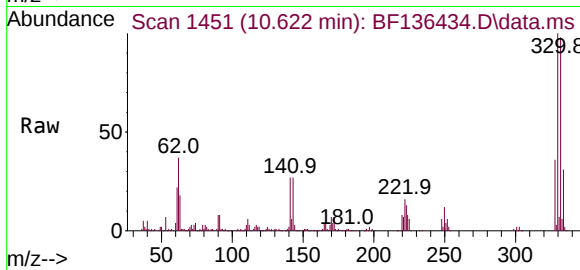
Tgt Ion:164 Resp: 140905
Ion Ratio Lower Upper
164 100
162 103.2 84.4 126.6
160 46.3 37.6 56.4



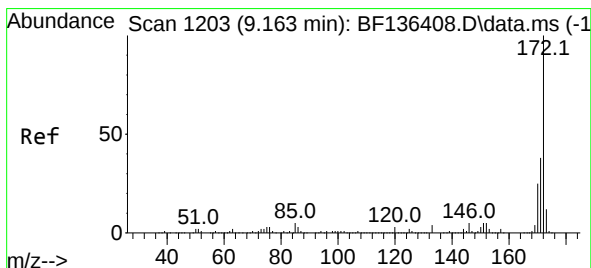
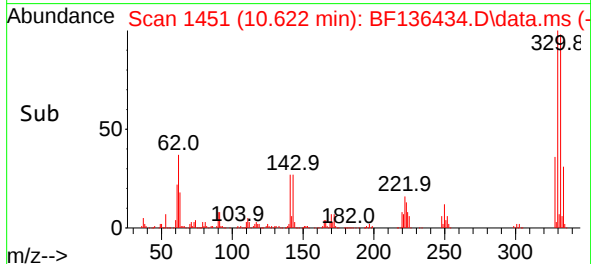
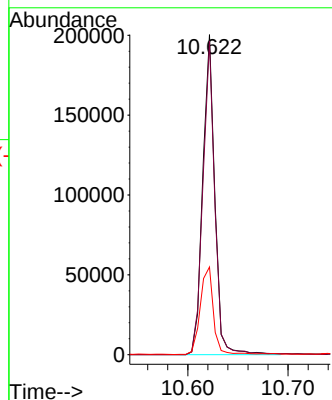


#42
2,4,6-Tribromophenol
Concen: 96.558 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

Instrument :
BNA_F
ClientSampleId :

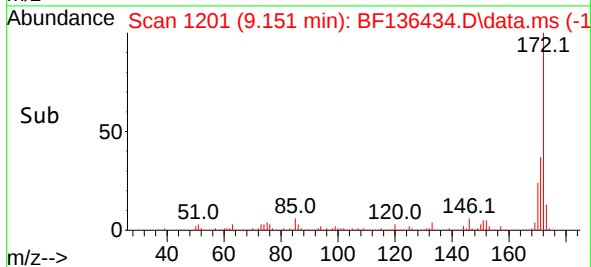
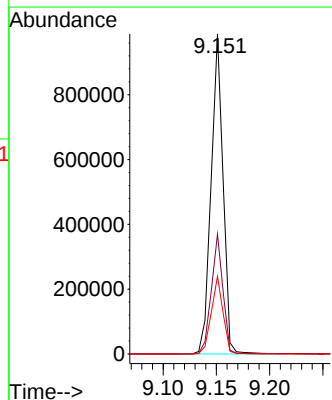
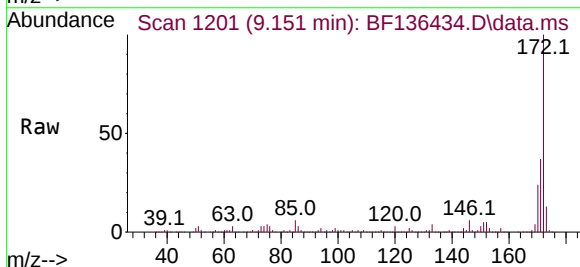


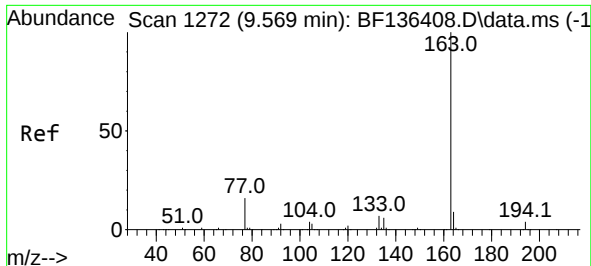
Tgt Ion:330 Resp: 167757
Ion Ratio Lower Upper
330 100
332 97.7 76.4 114.6
141 29.8 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 74.918 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

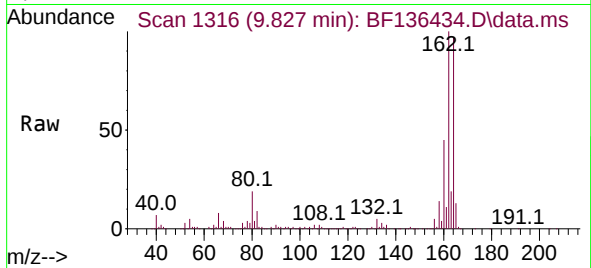
Tgt Ion:172 Resp: 773645
Ion Ratio Lower Upper
172 100
171 37.5 30.5 45.7
170 24.3 19.9 29.9



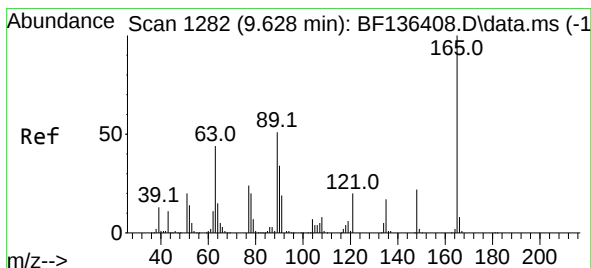
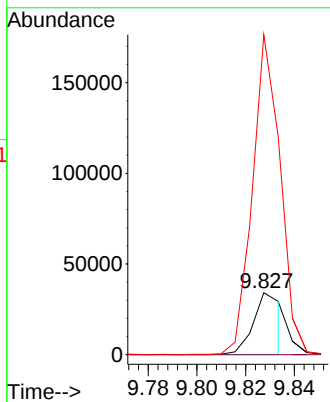
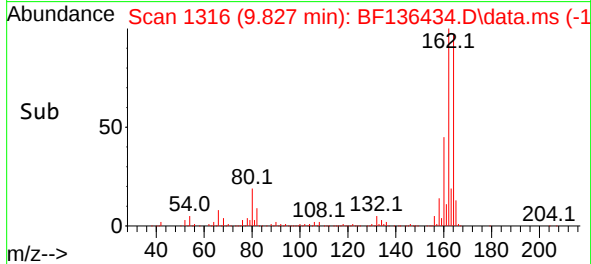


#50
Dimethylphthalate
Concen: 2.630 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

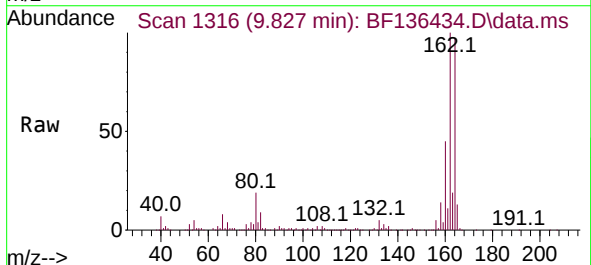
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ClientSampleId :



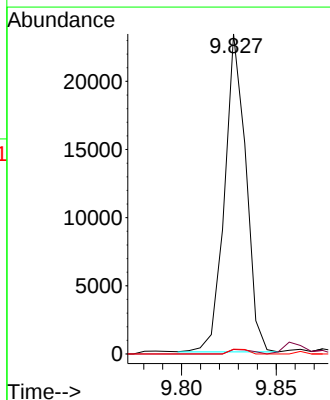
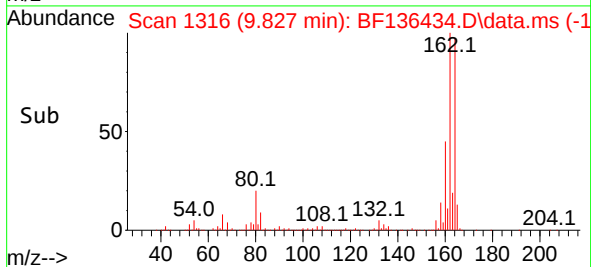
Tgt Ion:163 Resp: 27284
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 516.1 7.4 11.2#

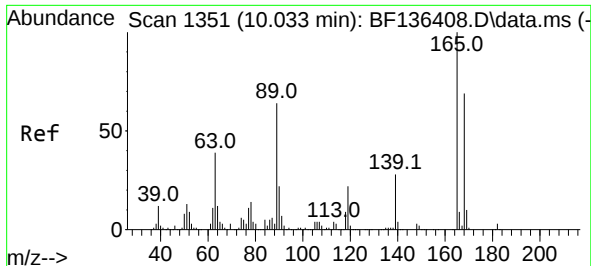


#51
2,6-Dinitrotoluene
Concen: 7.822 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17



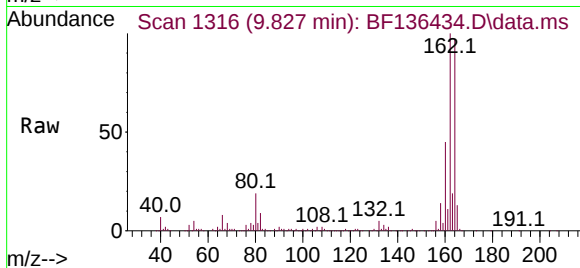
Tgt Ion:165 Resp: 18256
Ion Ratio Lower Upper
165 100
63 1.4 40.4 60.6#
89 1.5 40.6 60.8#



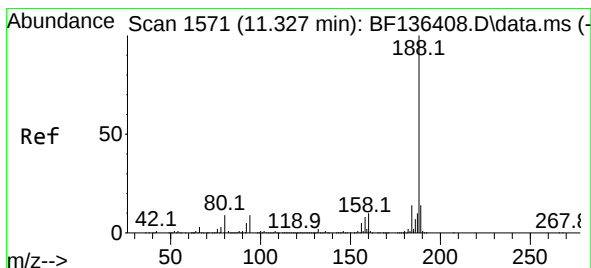
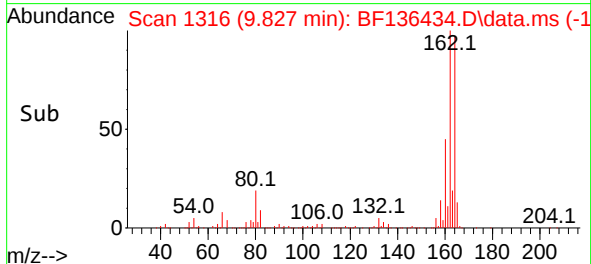
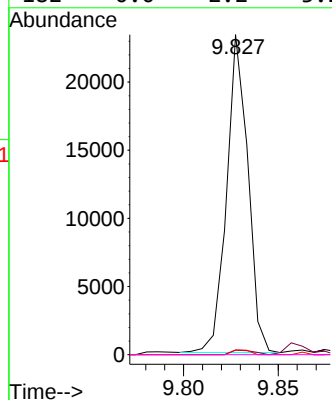


#57
2,4-Dinitrotoluene
Concen: 5.913 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

Instrument :
BNA_F
ClientSampleId :

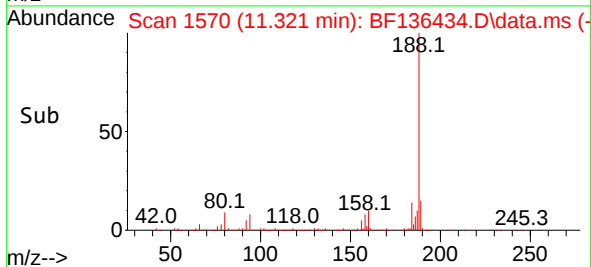
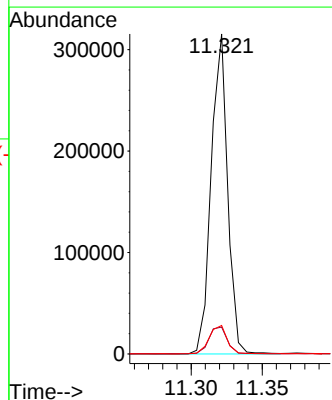
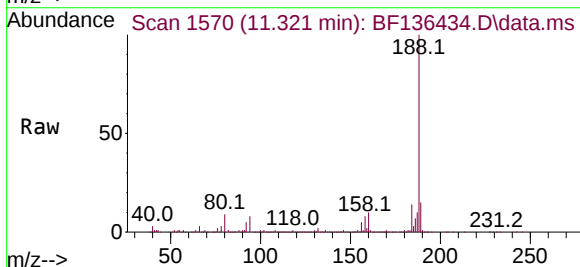


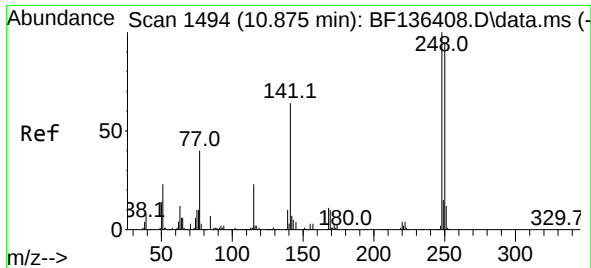
Tgt Ion:165 Resp: 18256
Ion Ratio Lower Upper
165 100
63 1.4 31.4 47.2#
89 1.5 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

Tgt Ion:188 Resp: 254261
Ion Ratio Lower Upper
188 100
94 8.4 7.2 10.8
80 8.9 7.2 10.8

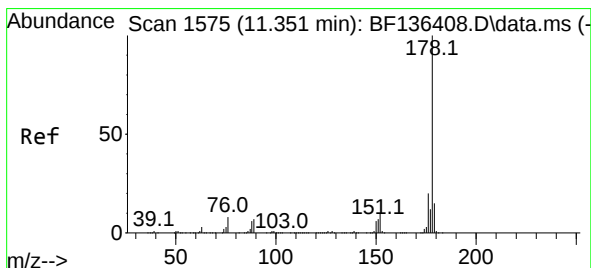
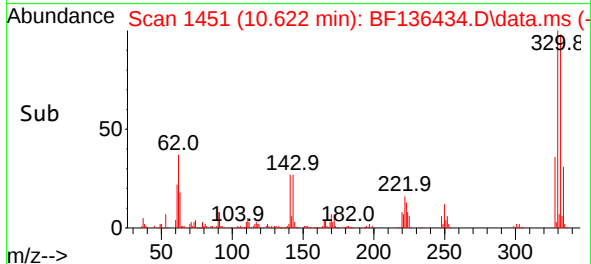
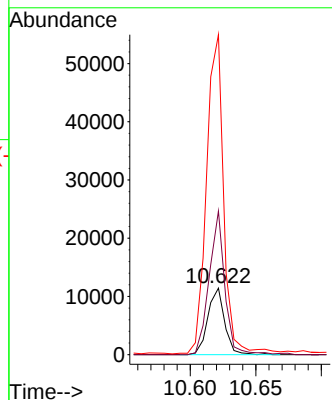
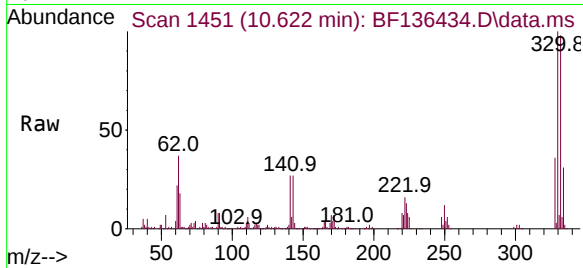




#67
4-Bromophenyl-phenylether
Concen: 3.453 ng
RT: 10.622 min Scan# 1494
Delta R.T. -0.253 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

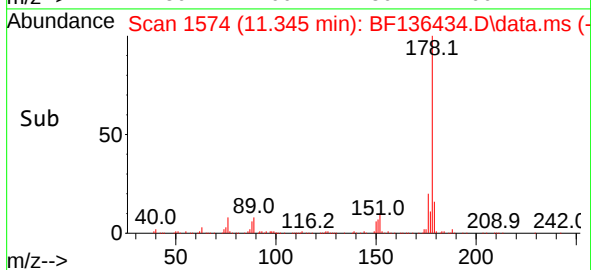
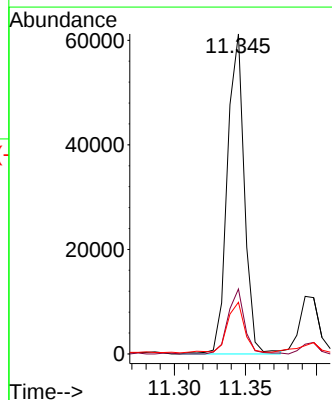
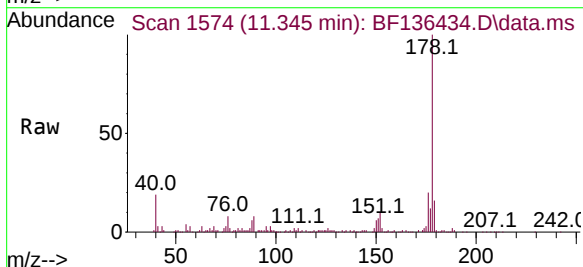
Instrument :
BNA_F
ClientSampleId :

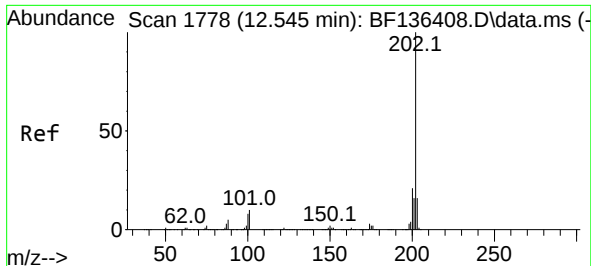
Tgt Ion:248 Resp: 10208
Ion Ratio Lower Upper
248 100
250 215.7 76.2 114.2#
141 480.2 51.0 76.4#



#71
Phenanthrene
Concen: 3.649 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

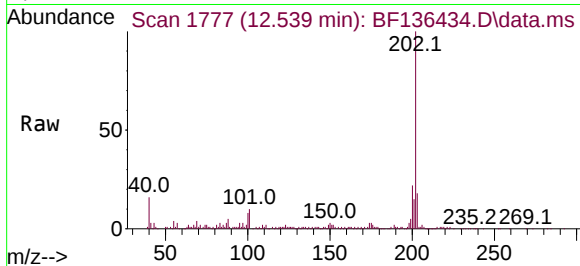
Tgt Ion:178 Resp: 50994
Ion Ratio Lower Upper
178 100
176 20.3 15.9 23.9
179 16.1 11.8 17.6



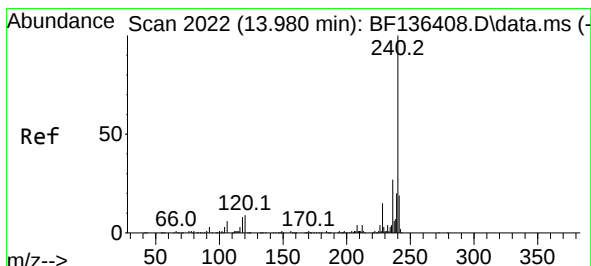
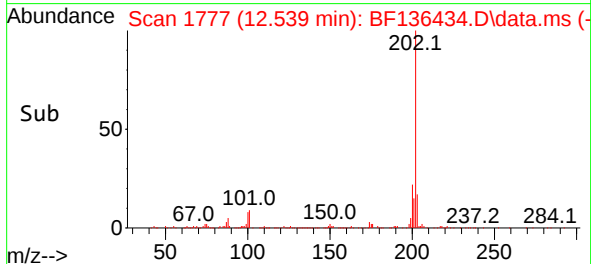
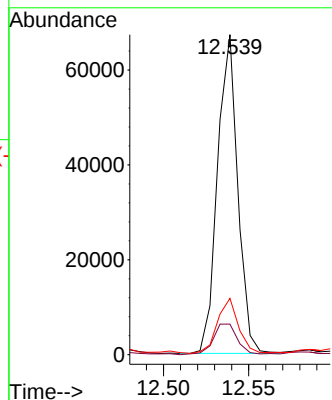


#75
Fluoranthene
Concen: 3.806 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

Instrument :
BNA_F
ClientSampleId :

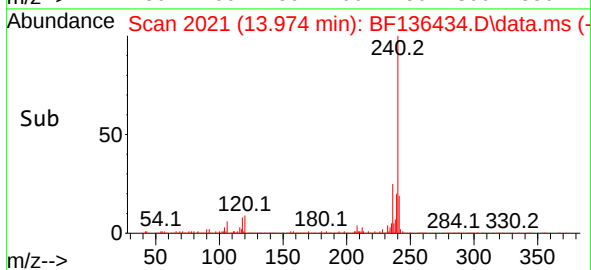
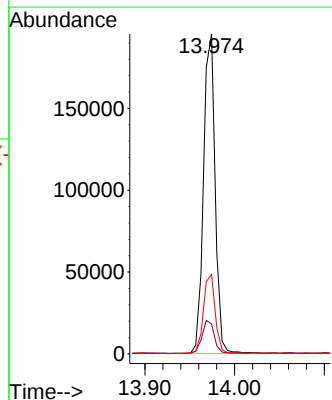
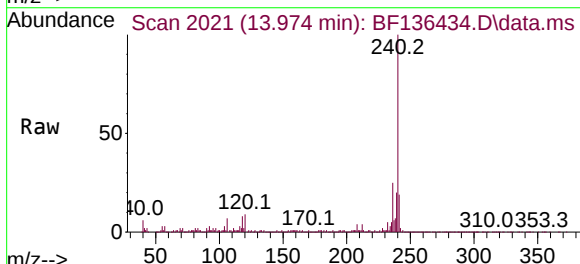


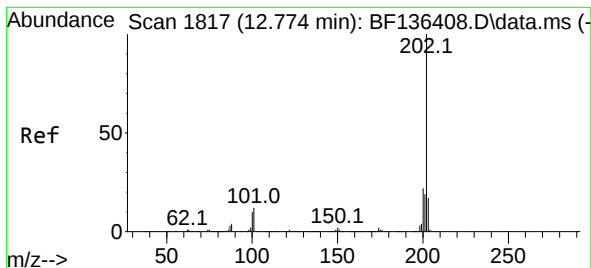
Tgt Ion:202 Resp: 55742
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.9
203 17.6 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136434.D
Acq: 06 Dec 2023 18:17

Tgt Ion:240 Resp: 176423
Ion Ratio Lower Upper
240 100
120 9.4 7.3 10.9
236 24.8 21.3 31.9





#78

Pyrene

Concen: 3.737 ng

RT: 12.768 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136434.D

Acq: 06 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :

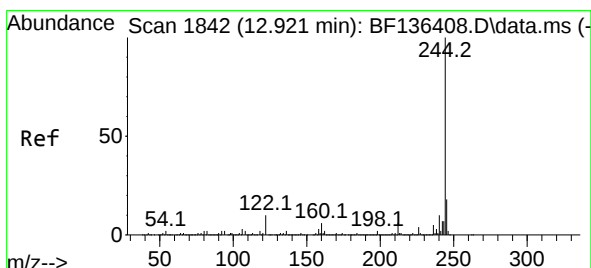
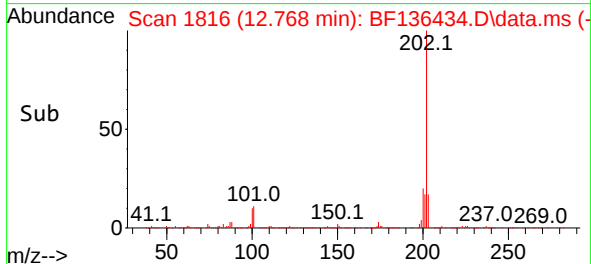
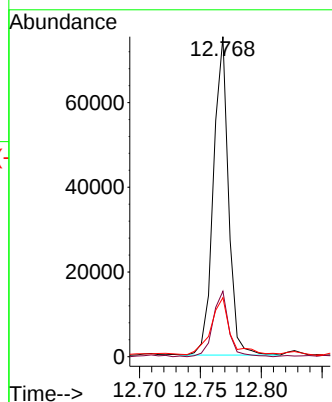
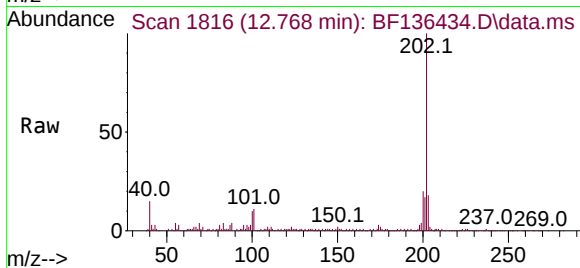
Tgt Ion:202 Resp: 64563

Ion Ratio Lower Upper

202 100

200 20.4 18.0 27.0

203 18.4 13.5 20.3



#79

Terphenyl-d14

Concen: 63.570 ng

RT: 12.915 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF136434.D

Acq: 06 Dec 2023 18:17

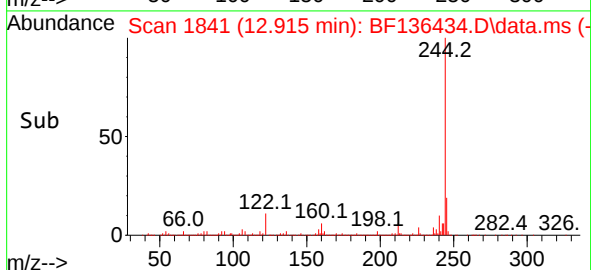
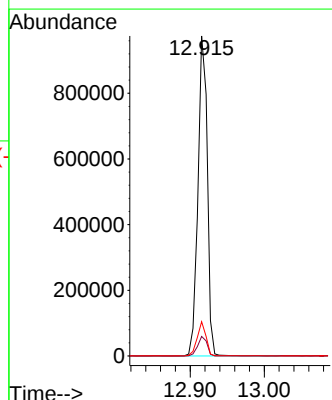
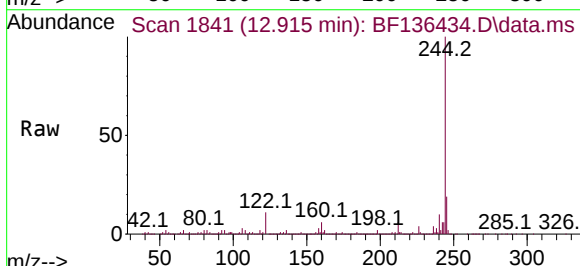
Tgt Ion:244 Resp: 850892

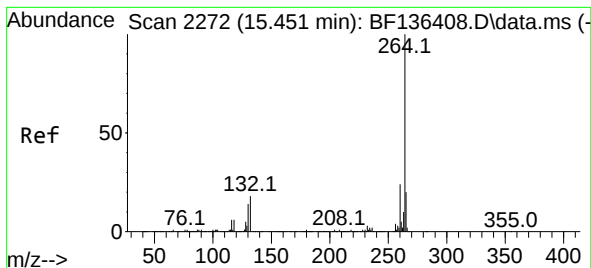
Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

122 10.7 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF136434.D

Acq: 06 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :

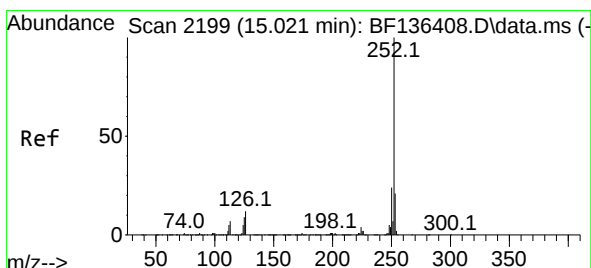
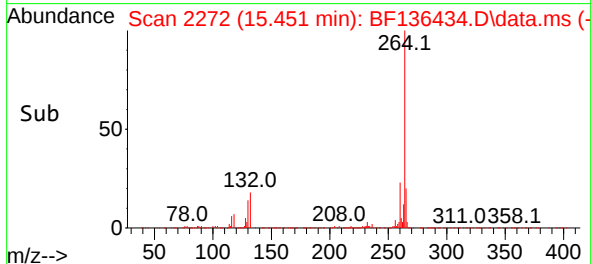
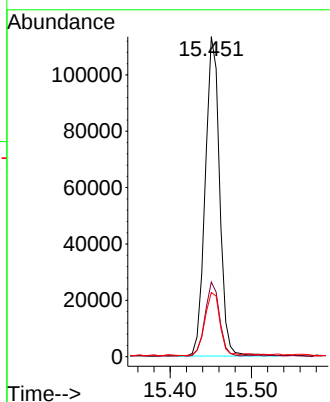
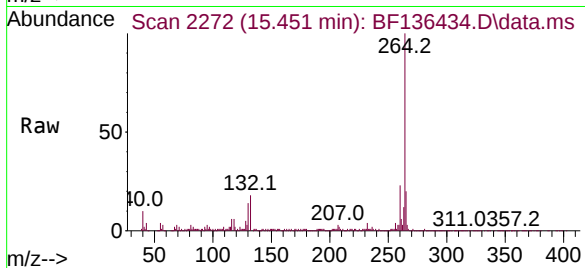
Tgt Ion:264 Resp: 139250

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 20.1 15.9 23.9



#88

Benzo(b)fluoranthene

Concen: 2.749 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136434.D

Acq: 06 Dec 2023 18:17

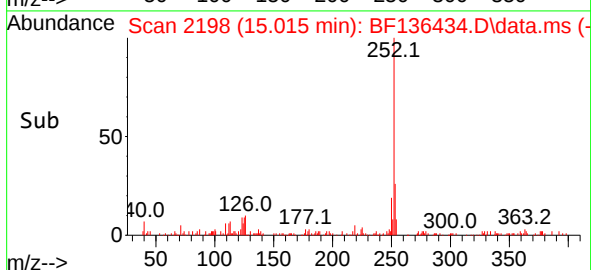
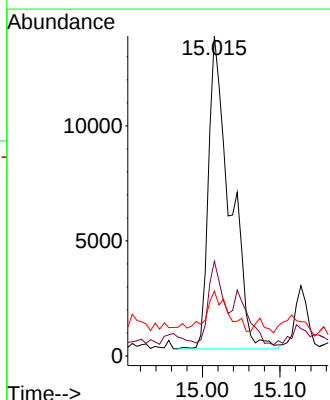
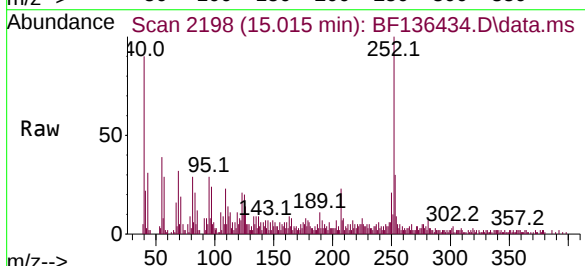
Tgt Ion:252 Resp: 26174

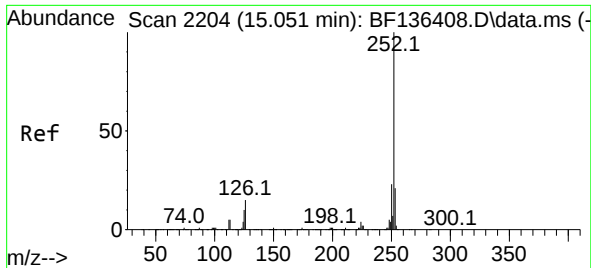
Ion Ratio Lower Upper

252 100

253 29.6 16.9 25.3#

125 20.2 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 2.917 ng

RT: 15.015 min Scan# 21

Delta R.T. -0.035 min

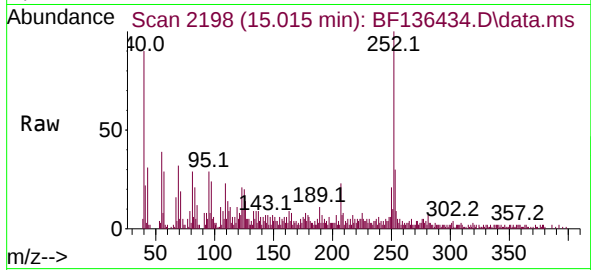
Lab File: BF136434.D

Acq: 06 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 26174

Ion Ratio Lower Upper

252 100

253 29.6 16.9 25.3#

125 20.2 7.5 11.3#

