

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
 Data File : BF136430.D
 Acq On : 06 Dec 2023 16:09
 Operator : CG\JU
 Sample : 05602-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 00:52:40 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)

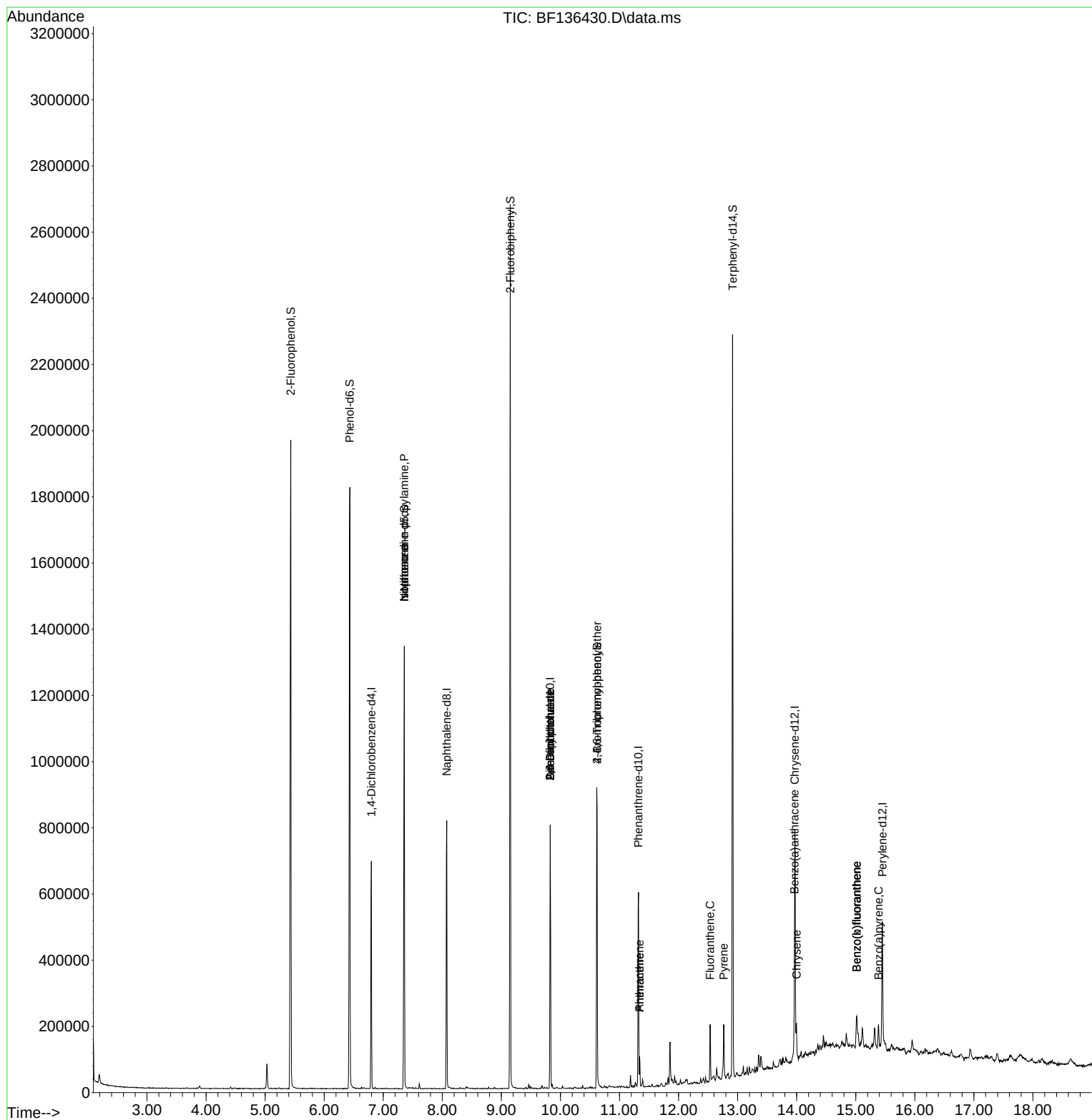
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	100359	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	355436	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	144533	20.000	ng	-0.01
64) Phenanthrene-d10	11.321	188	222820	20.000	ng	0.00
76) Chrysene-d12	13.968	240	221936	20.000	ng	-0.01
86) Perylene-d12	15.451	264	178546	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	552290	81.272	ng	0.00
7) Phenol-d6	6.434	99	669671	78.984	ng	-0.01
23) Nitrobenzene-d5	7.357	82	402001	61.143	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	118847	66.689	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	735151	69.404	ng	-0.01
79) Terphenyl-d14	12.915	244	723497	42.967	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.351	77	267	Below Cal	#	79
19) n-Nitroso-di-n-propyla...	7.357	70	53224	10.882	ng	# 74
25) Isophorone	7.357	82	401997	34.032	ng	# 65
50) Dimethylphthalate	9.827	163	28213	2.651	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	18146	7.580	ng	# 29
57) 2,4-Dinitrotoluene	9.827	165	18146	5.730	ng	# 28
67) 4-Bromophenyl-phenylether	10.621	248	7331	2.830	ng	# 1
71) Phenanthrene	11.339	178	32346	2.641	ng	95
72) Anthracene	11.339	178	32346	2.622	ng	96
75) Fluoranthene	12.533	202	69513	5.416	ng	96
77) Benzidine	12.915	184	8670	Below Cal	#	90
78) Pyrene	12.763	202	69927	3.217	ng	98
81) Benzo(a)anthracene	13.962	228	39267	2.540	ng	98
83) Chrysene	13.998	228	42875	2.819	ng	95
88) Benzo(b)fluoranthene	15.015	252	65779	5.388	ng	# 95
89) Benzo(k)fluoranthene	15.015	252	65779	5.718	ng	# 95
90) Benzo(a)pyrene	15.386	252	31296	3.104	ng	# 95

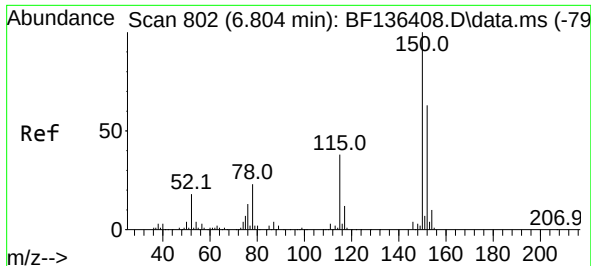
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
Data File : BF136430.D
Acq On : 06 Dec 2023 16:09
Operator : CG\JU
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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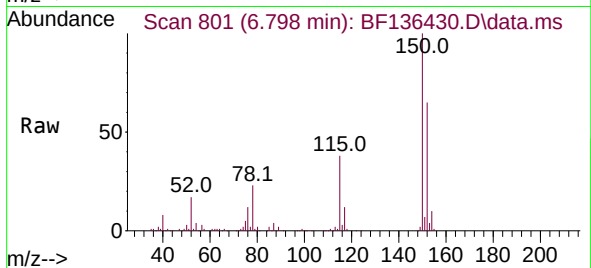
Quant Time: Dec 07 00:52:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
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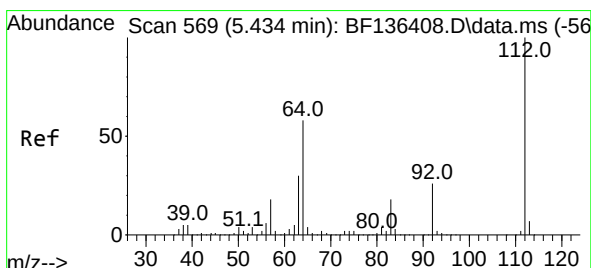
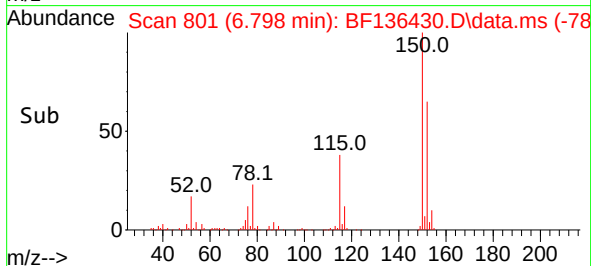
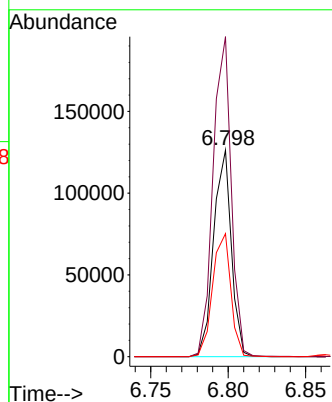


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

Instrument :
BNA_F
ClientSampleId :

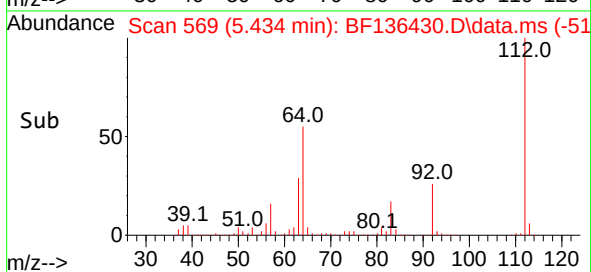
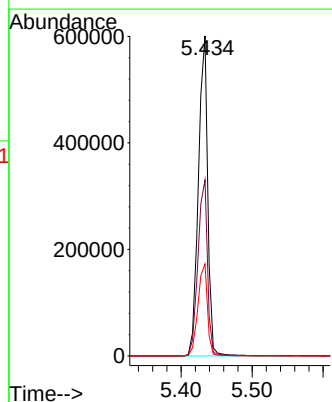
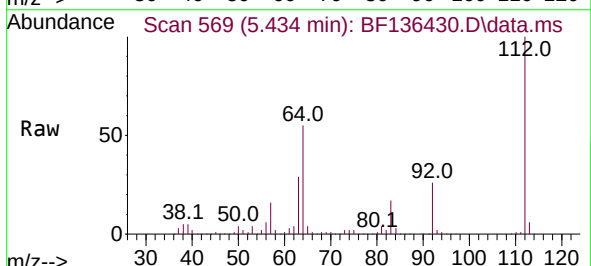


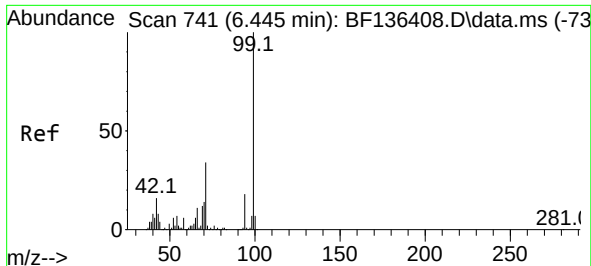
Tgt Ion:152 Resp: 100359
Ion Ratio Lower Upper
152 100
150 154.9 126.4 189.6
115 59.6 48.2 72.4



#5
2-Fluorophenol
Concen: 81.272 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

Tgt Ion:112 Resp: 552290
Ion Ratio Lower Upper
112 100
64 55.0 46.5 69.7
63 28.8 23.9 35.9



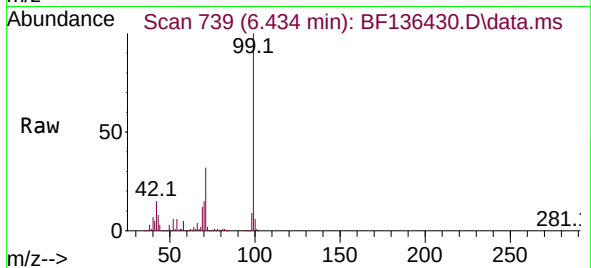


#7
Phenol-d6
Concen: 78.984 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

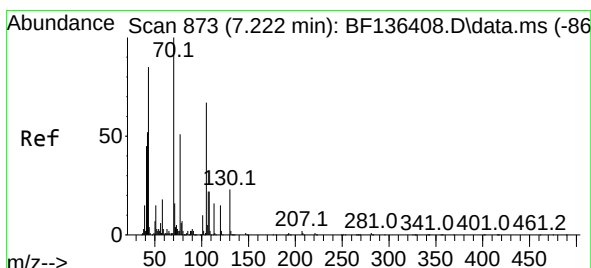
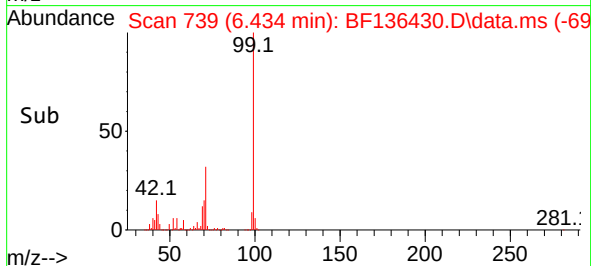
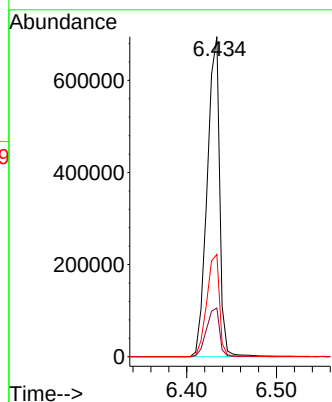
Instrument :

BNA_F

ClientSampleId :

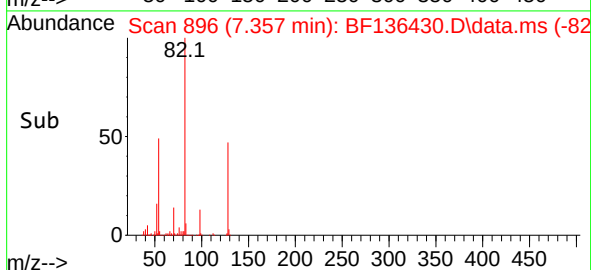
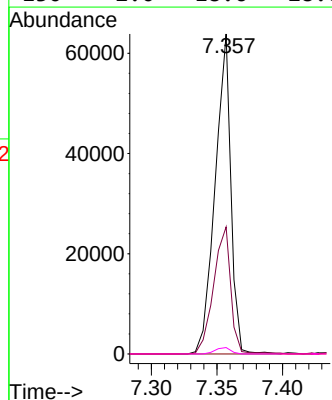
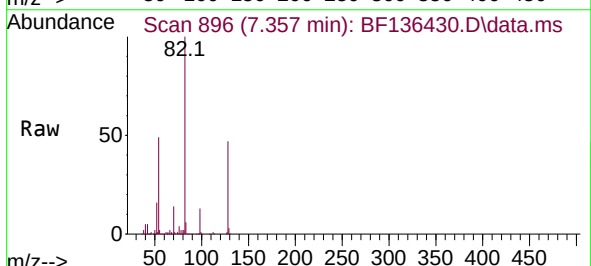


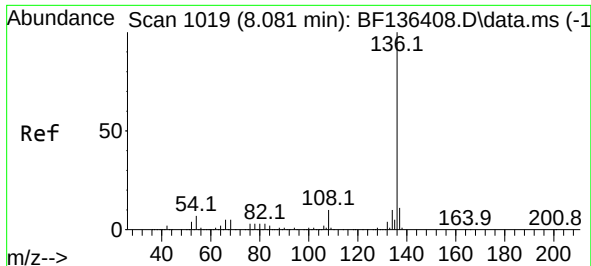
Tgt Ion: 99 Resp: 669671
Ion Ratio Lower Upper
99 100
42 15.2 12.8 19.2
71 32.0 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.882 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

Tgt Ion: 70 Resp: 53224
Ion Ratio Lower Upper
70 100
42 39.7 41.4 62.0#
101 0.0 8.2 12.4#
130 2.0 18.6 28.0#

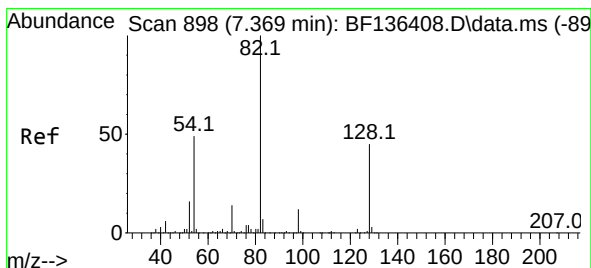
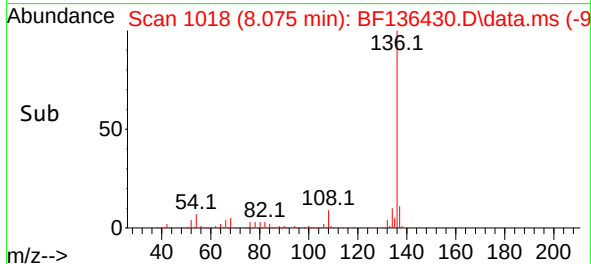
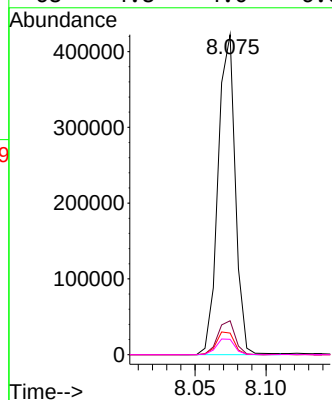
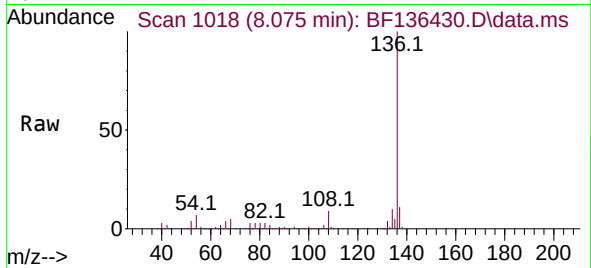




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

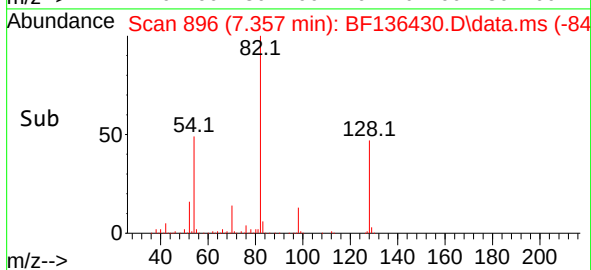
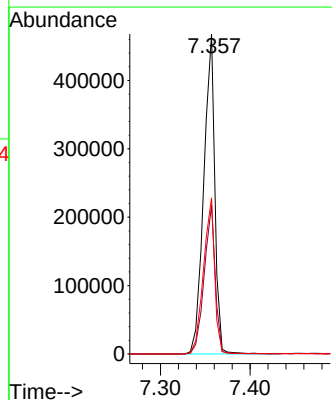
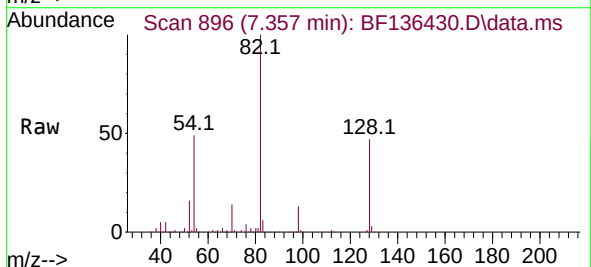
Instrument :
BNA_F
ClientSampleId :

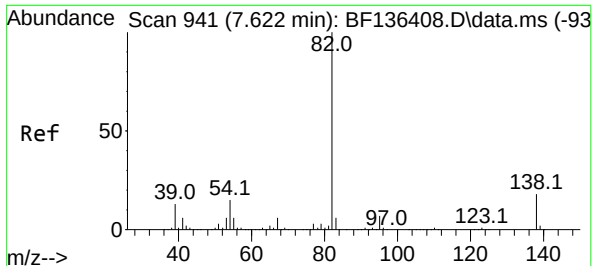
Tgt Ion:136	Resp: 355436
Ion Ratio	Lower Upper
136	100
137	10.6 8.6 12.8
54	6.7 5.7 8.5
68	4.8 4.0 6.0



#23
Nitrobenzene-d5
Concen: 61.143 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

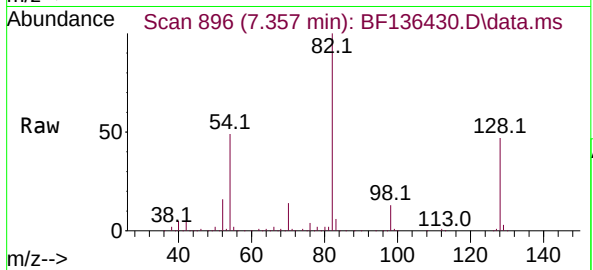
Tgt Ion: 82	Resp: 402001
Ion Ratio	Lower Upper
82	100
128	46.6 36.3 54.5
54	48.8 39.0 58.6



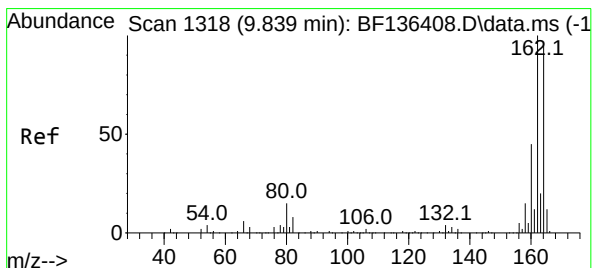
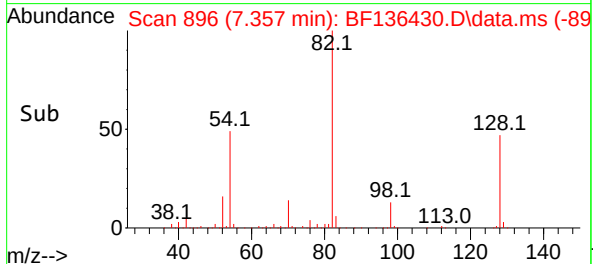
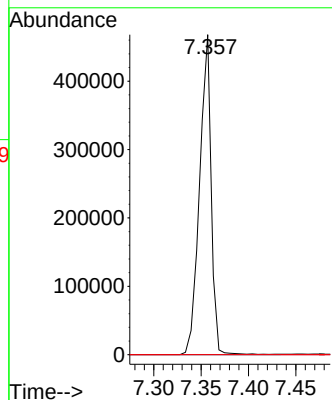


#25
Isophorone
Concen: 34.032 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

Instrument :
BNA_F
ClientSampleId :

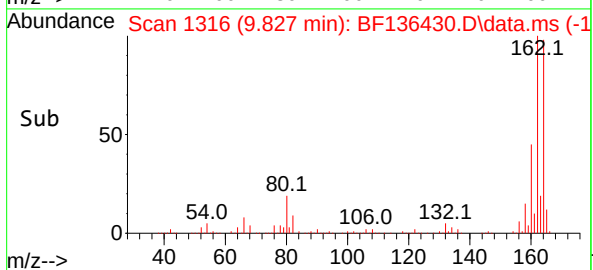
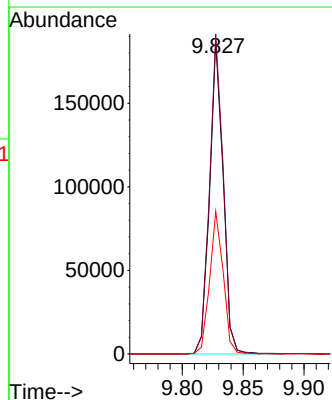
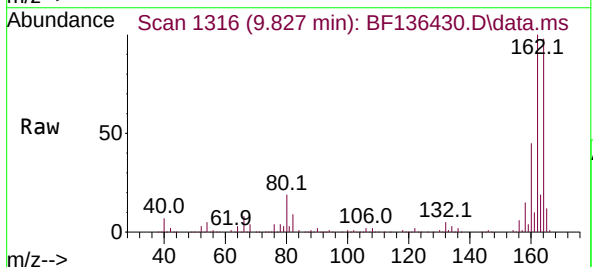


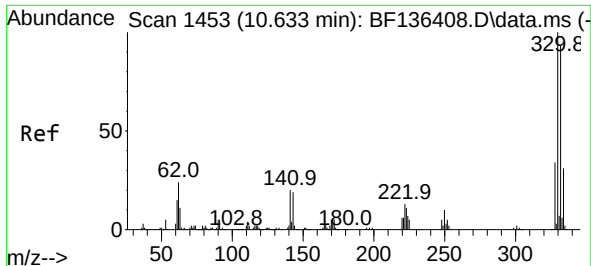
Tgt Ion: 82 Resp: 401997
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

Tgt Ion:164 Resp: 144533
Ion Ratio Lower Upper
164 100
162 102.3 84.4 126.6
160 45.6 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 66.689 ng

RT: 10.621 min Scan# 1451

Delta R.T. -0.012 min

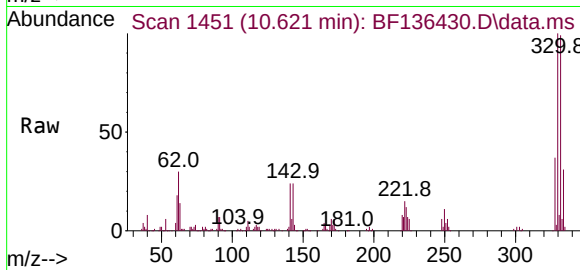
Lab File: BF136430.D

Acq: 06 Dec 2023 16:09

Instrument :

BNA_F

ClientSampleId :



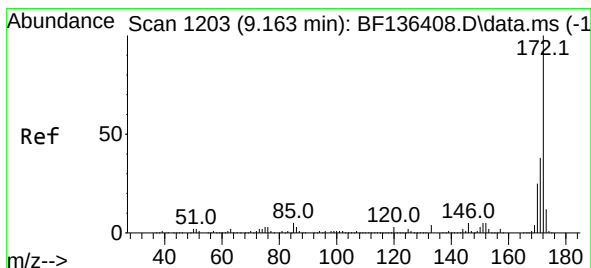
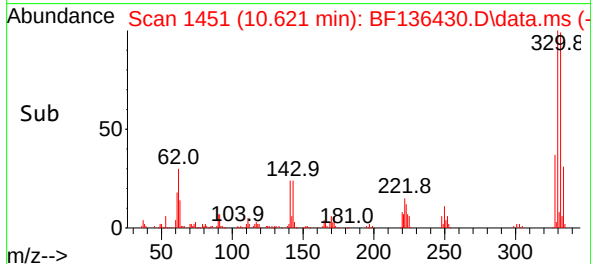
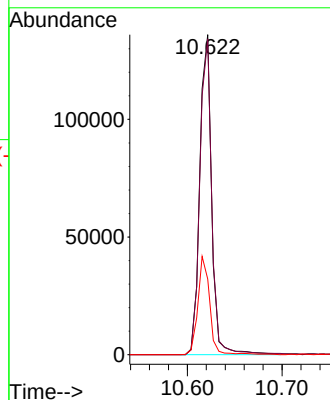
Tgt Ion:330 Resp: 118847

Ion Ratio Lower Upper

330 100

332 99.2 76.4 114.6

141 30.7 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 69.404 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136430.D

Acq: 06 Dec 2023 16:09

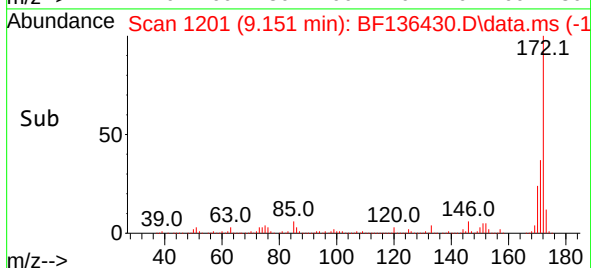
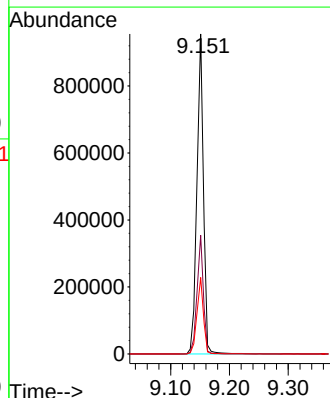
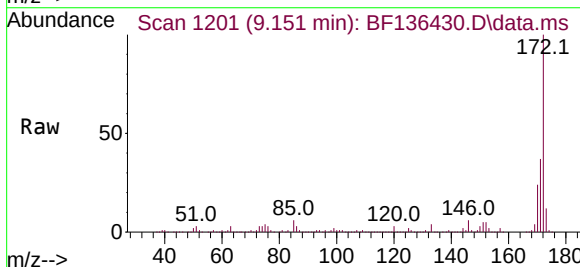
Tgt Ion:172 Resp: 735151

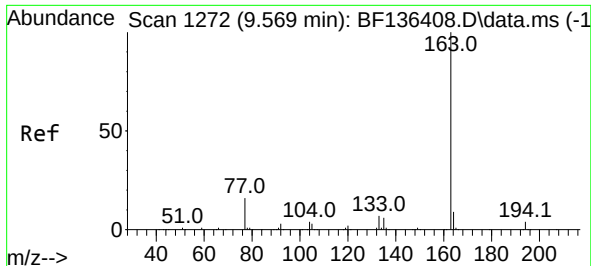
Ion Ratio Lower Upper

172 100

171 37.1 30.5 45.7

170 23.9 19.9 29.9

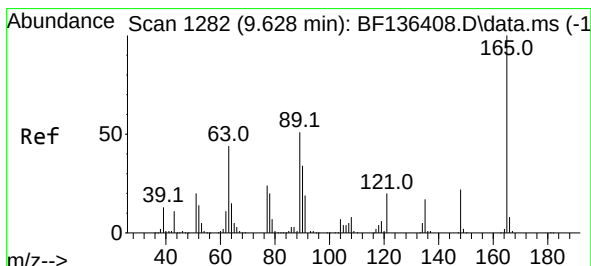
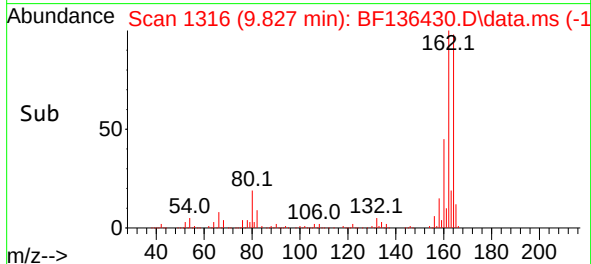
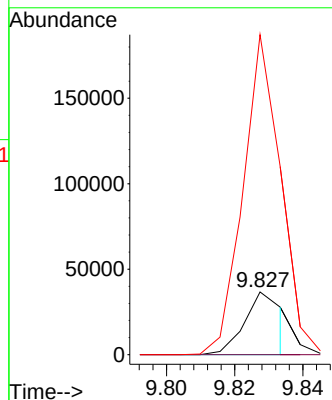
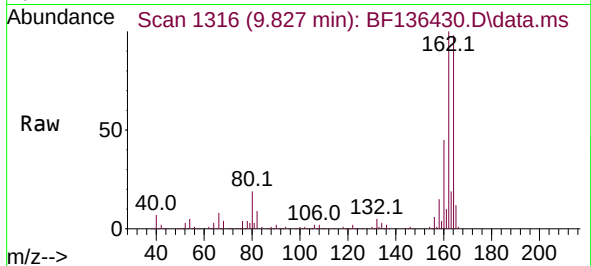




#50
Dimethylphthalate
Concen: 2.651 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

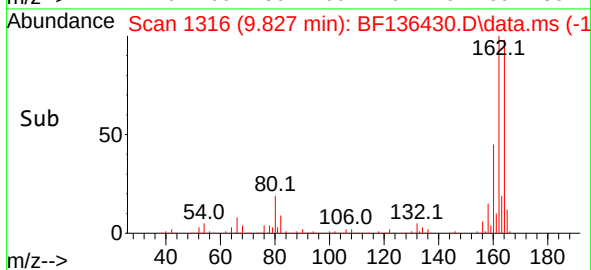
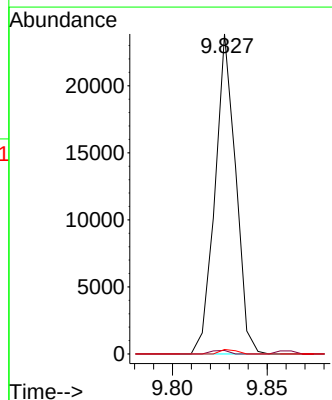
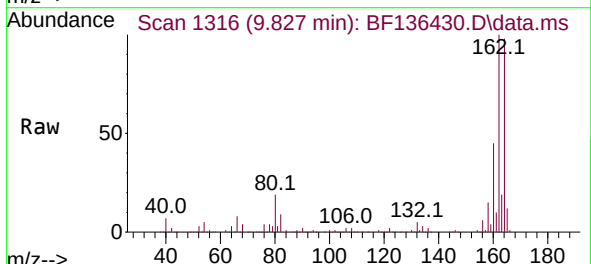
Instrument :
BNA_F
ClientSampleId :

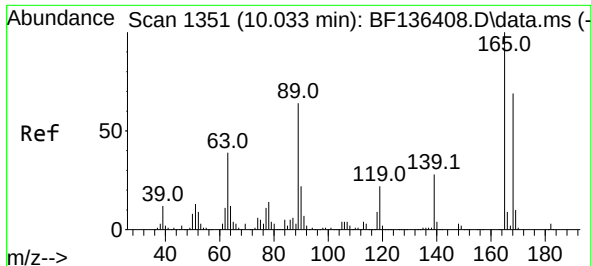
Tgt Ion:163 Resp: 28213
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 510.0 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.580 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

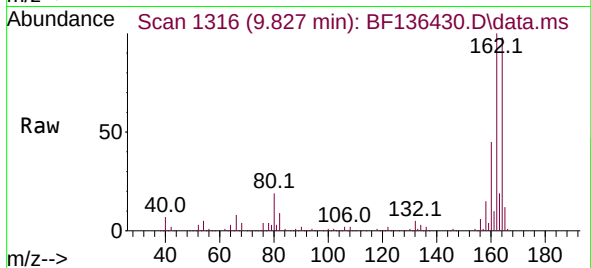
Tgt Ion:165 Resp: 18146
Ion Ratio Lower Upper
165 100
63 1.1 40.4 60.6#
89 1.4 40.6 60.8#



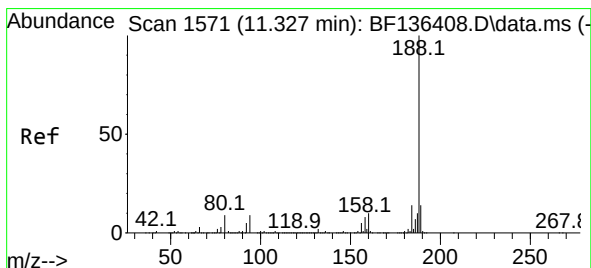
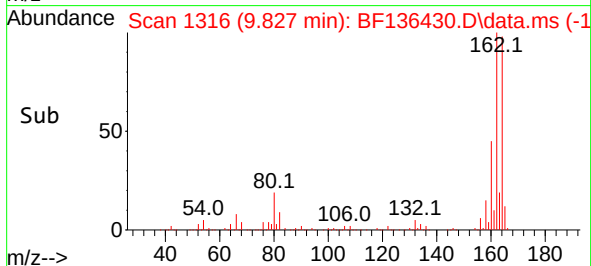
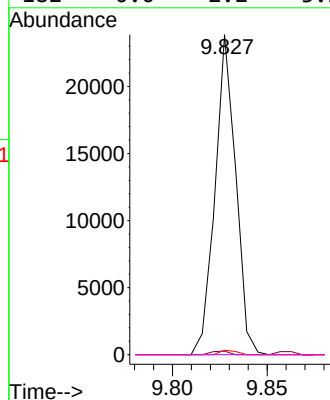


#57
2,4-Dinitrotoluene
Concen: 5.730 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

Instrument :
BNA_F
ClientSampleId :

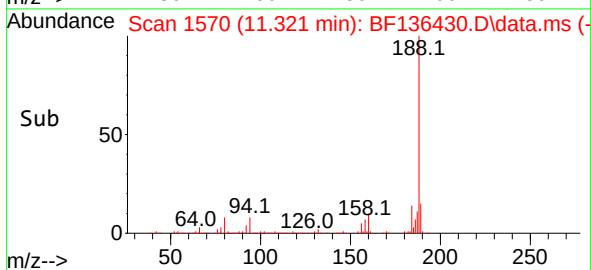
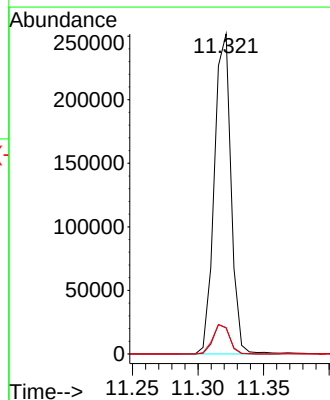
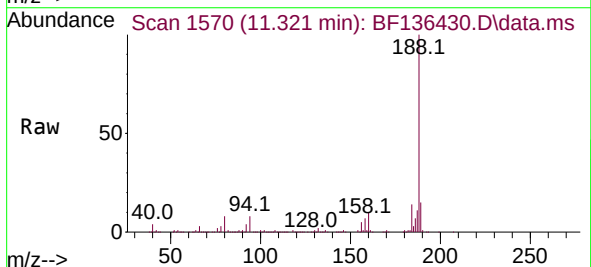


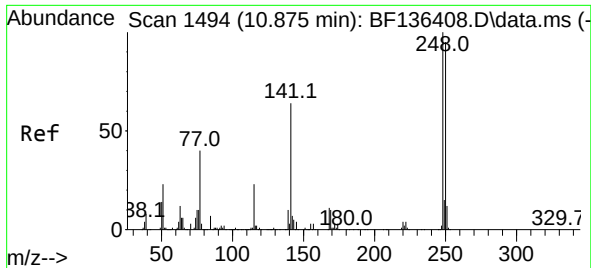
Tgt Ion:165 Resp: 18146
Ion Ratio Lower Upper
165 100
63 1.1 31.4 47.2#
89 1.4 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

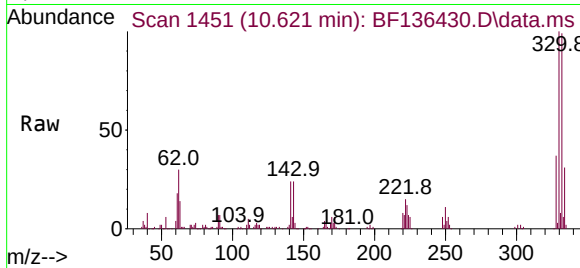
Tgt Ion:188 Resp: 222820
Ion Ratio Lower Upper
188 100
94 8.2 7.2 10.8
80 8.2 7.2 10.8



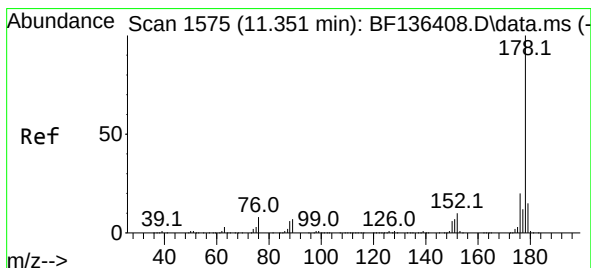
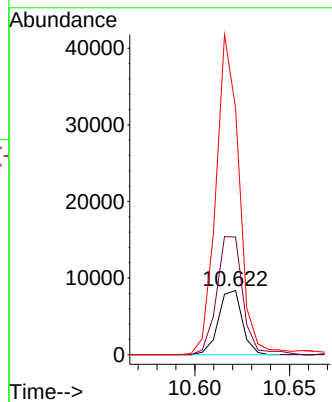
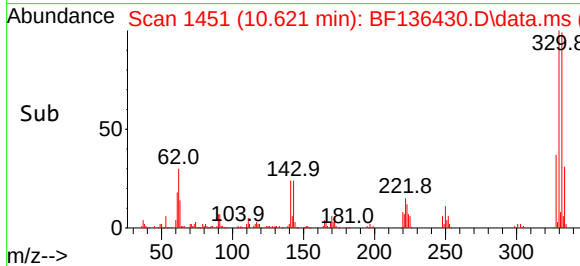


#67
4-Bromophenyl-phenylether
Concen: 2.830 ng
RT: 10.621 min Scan# 1494
Delta R.T. -0.253 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

Instrument :
BNA_F
ClientSampleId :

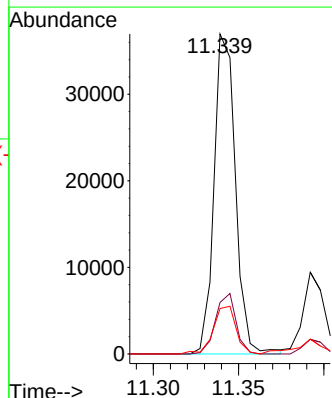
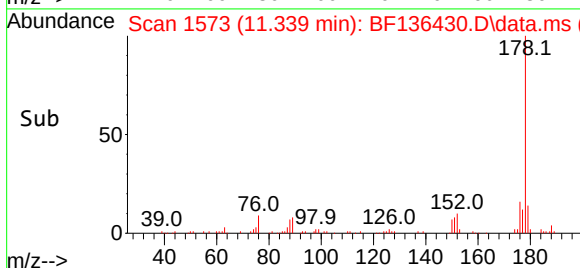
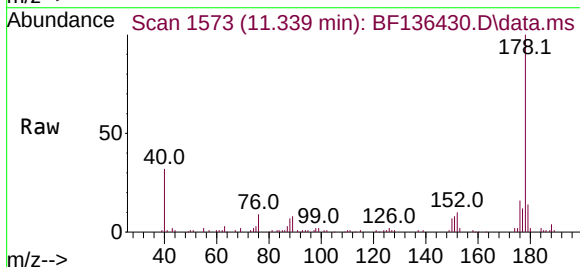


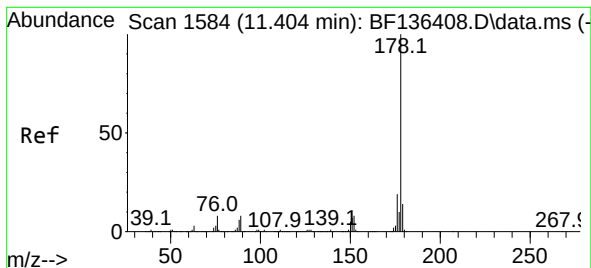
Tgt Ion:248 Resp: 7331
Ion Ratio Lower Upper
248 100
250 183.4 76.2 114.2#
141 384.4 51.0 76.4#



#71
Phenanthrene
Concen: 2.641 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

Tgt Ion:178 Resp: 32346
Ion Ratio Lower Upper
178 100
176 16.1 15.9 23.9
179 14.2 11.8 17.6





#72

Anthracene

Concen: 2.622 ng

RT: 11.339 min Scan# 11

Delta R.T. -0.065 min

Lab File: BF136430.D

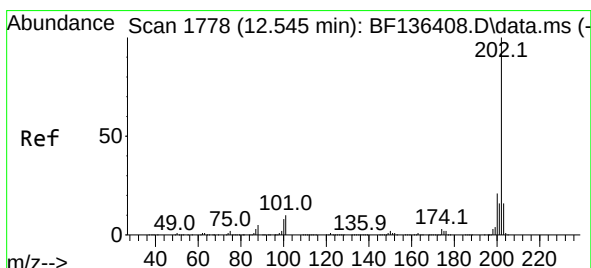
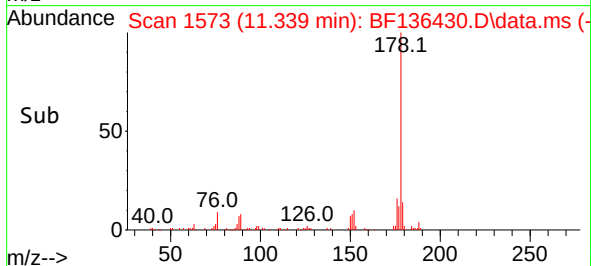
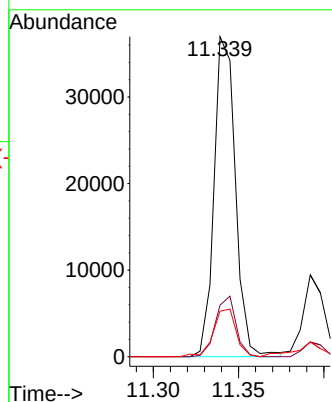
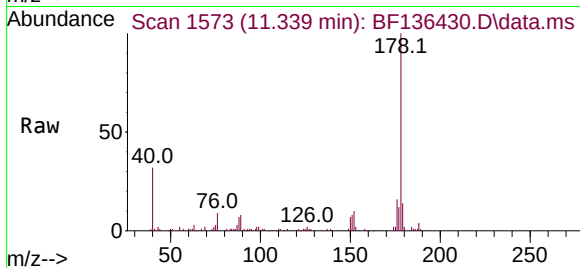
Acq: 06 Dec 2023 16:09

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:178	Resp:	32346
Ion Ratio	Lower	Upper
178	100	
176	16.1	15.3 22.9
179	14.2	11.4 17.0



#75

Fluoranthene

Concen: 5.416 ng

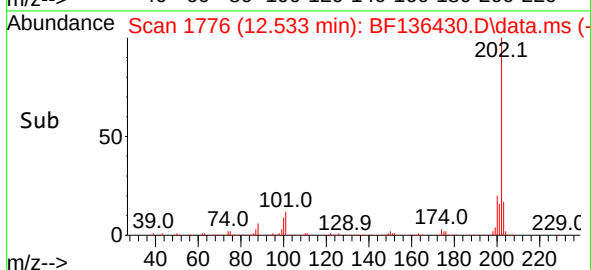
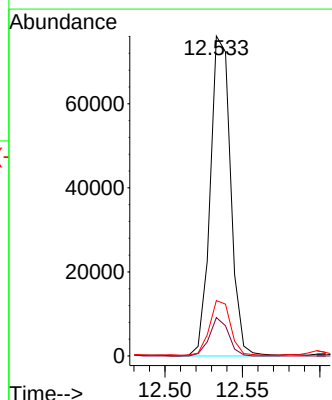
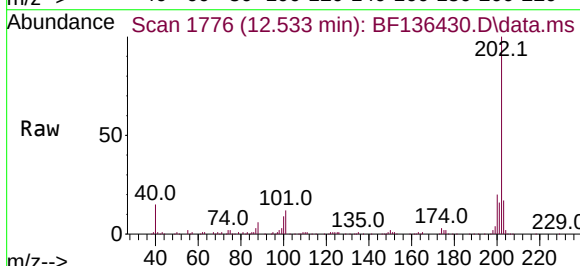
RT: 12.533 min Scan# 1776

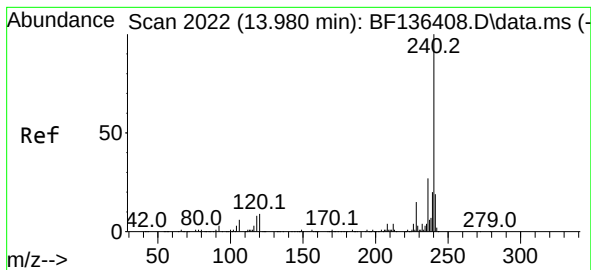
Delta R.T. -0.012 min

Lab File: BF136430.D

Acq: 06 Dec 2023 16:09

Tgt Ion:202	Resp:	69513
Ion Ratio	Lower	Upper
202	100	
101	12.0	0.0 29.9
203	17.3	0.0 36.3

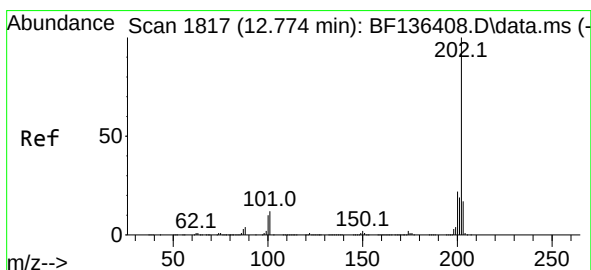
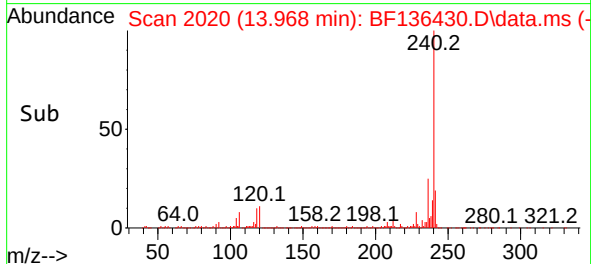
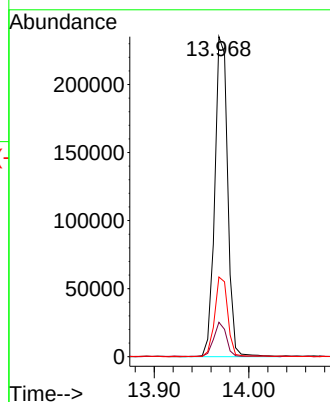
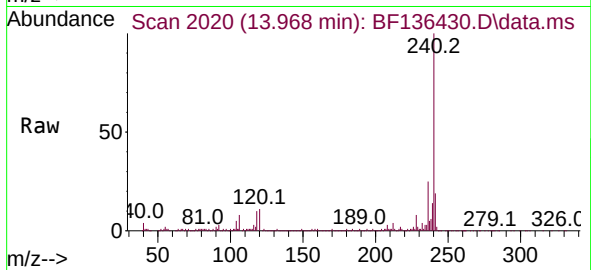




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

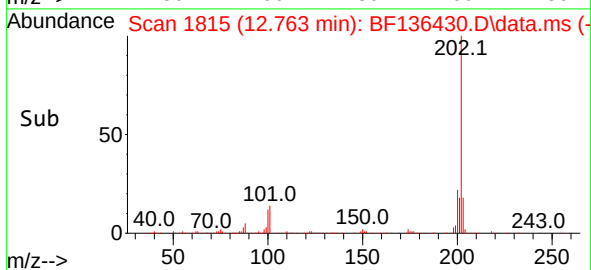
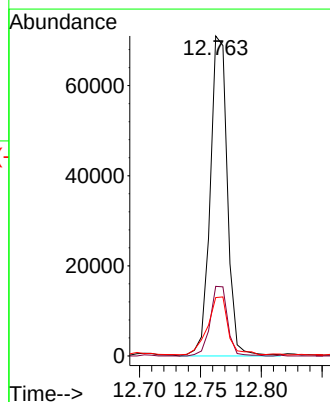
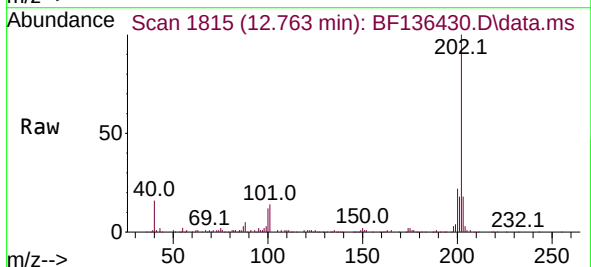
Instrument :
BNA_F
ClientSampleId :

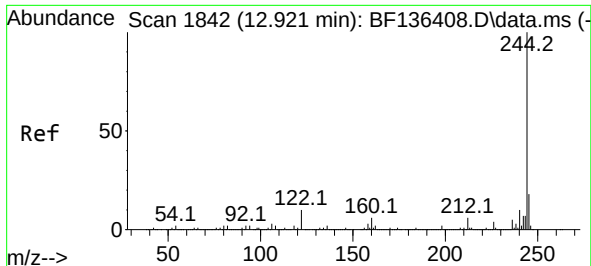
Tgt Ion:240 Resp: 221936
Ion Ratio Lower Upper
240 100
120 10.8 7.3 10.9
236 24.9 21.3 31.9



#78
Pyrene
Concen: 3.217 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF136430.D
Acq: 06 Dec 2023 16:09

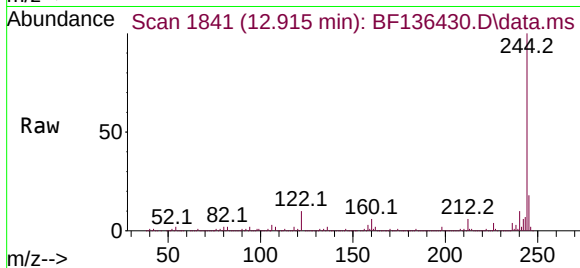
Tgt Ion:202 Resp: 69927
Ion Ratio Lower Upper
202 100
200 21.7 18.0 27.0
203 18.2 13.5 20.3



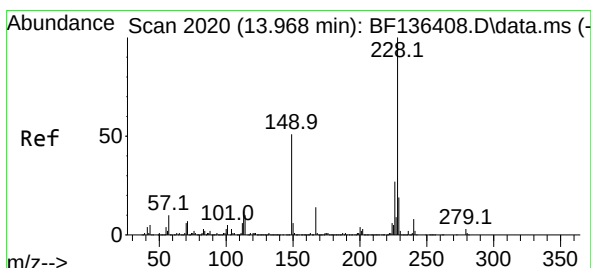
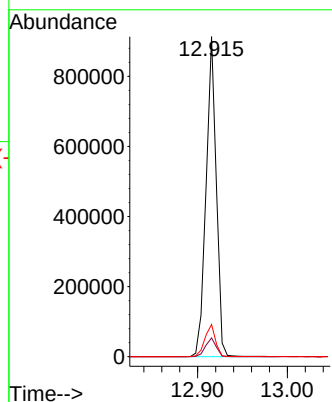
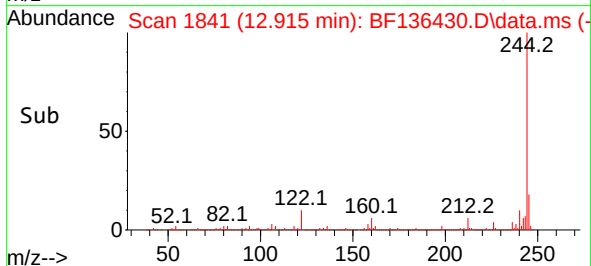


#79
 Terphenyl-d14
 Concen: 42.967 ng
 RT: 12.915 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF136430.D
 Acq: 06 Dec 2023 16:09

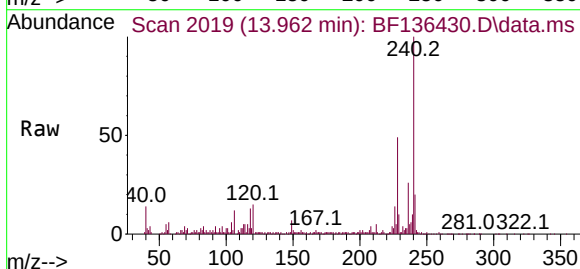
Instrument :
 BNA_F
 ClientSampleId :



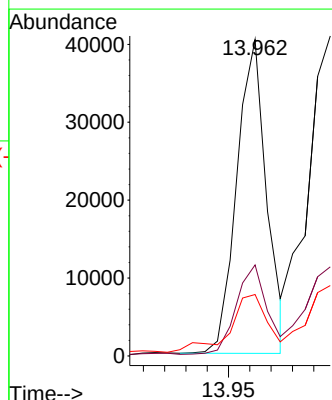
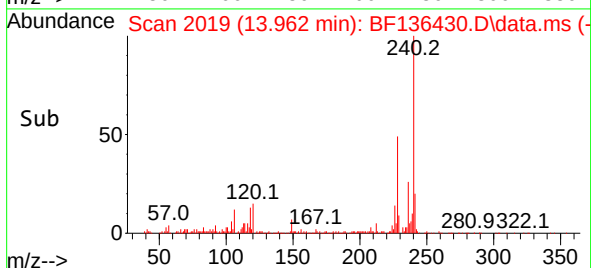
Tgt Ion:244 Resp: 723497
 Ion Ratio Lower Upper
 244 100
 212 5.8 5.0 7.4
 122 10.1 8.3 12.5

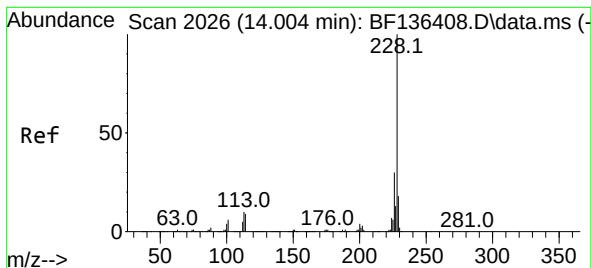


#81
 Benzo(a)anthracene
 Concen: 2.540 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136430.D
 Acq: 06 Dec 2023 16:09



Tgt Ion:228 Resp: 39267
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.8 32.8
 229 19.4 15.0 22.4





#83

Chrysene

Concen: 2.819 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136430.D

Acq: 06 Dec 2023 16:09

Instrument :

BNA_F

ClientSampleId :

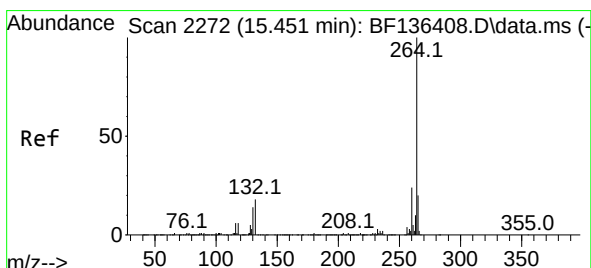
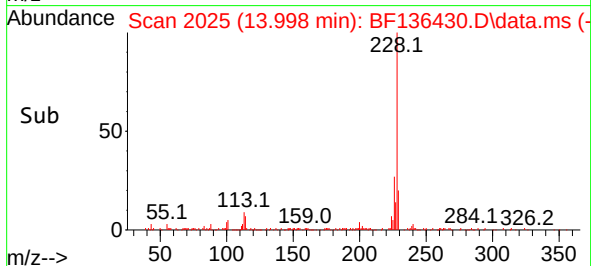
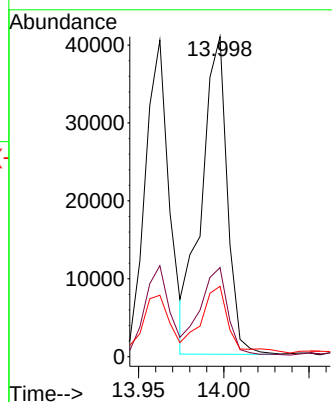
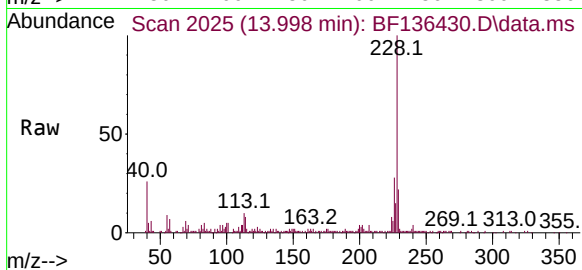
Tgt Ion:228 Resp: 42875

Ion Ratio Lower Upper

228 100

226 27.9 23.8 35.6

229 22.0 14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BF136430.D

Acq: 06 Dec 2023 16:09

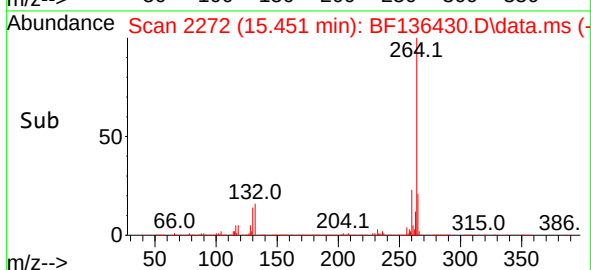
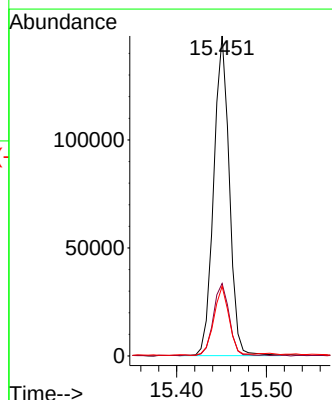
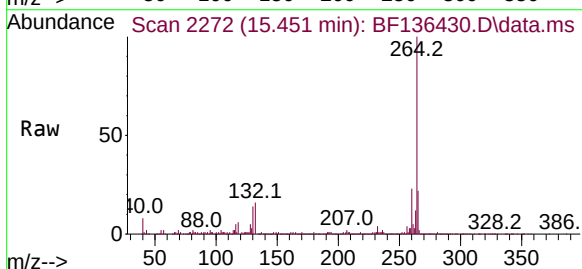
Tgt Ion:264 Resp: 178546

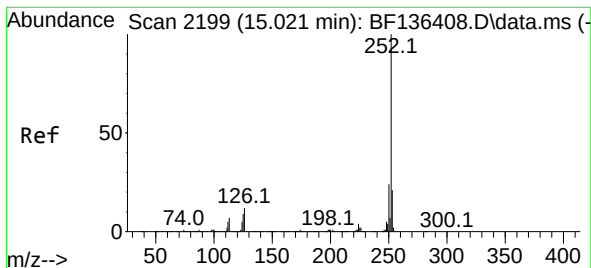
Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

265 21.7 15.9 23.9





#88

Benzo(b)fluoranthene

Concen: 5.388 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136430.D

Acq: 06 Dec 2023 16:09

Instrument :

BNA_F

ClientSampleId :

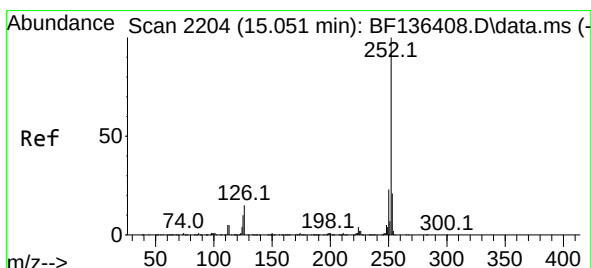
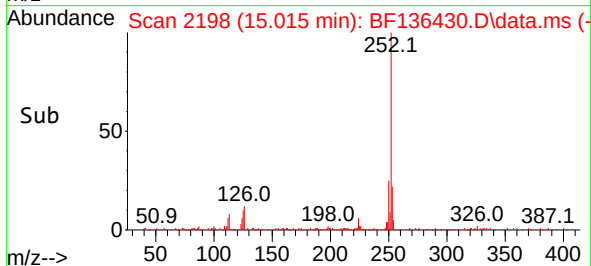
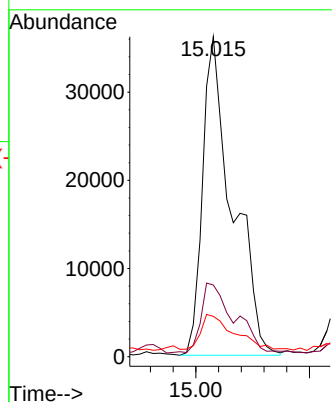
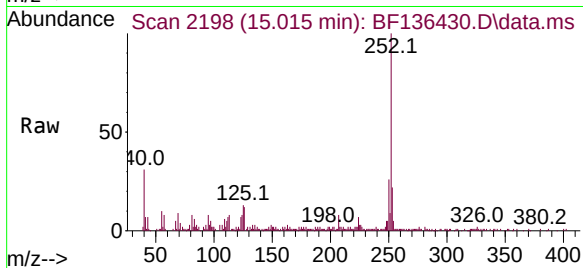
Tgt Ion:252 Resp: 65779

Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

125 12.6 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 5.718 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF136430.D

Acq: 06 Dec 2023 16:09

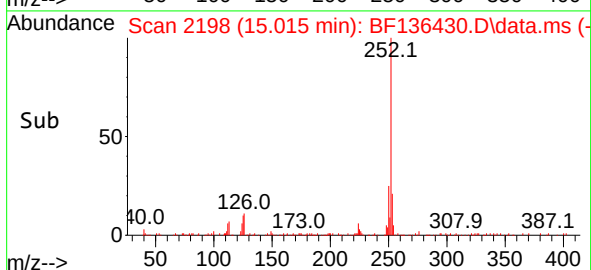
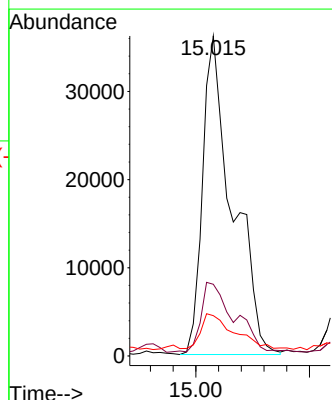
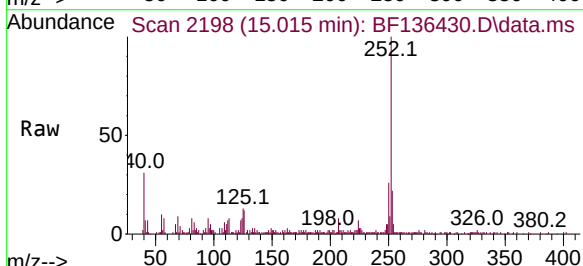
Tgt Ion:252 Resp: 65779

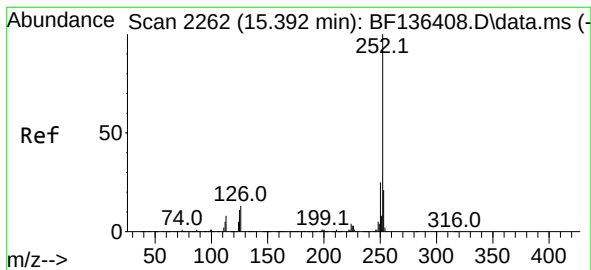
Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

125 12.6 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 3.104 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.006 min

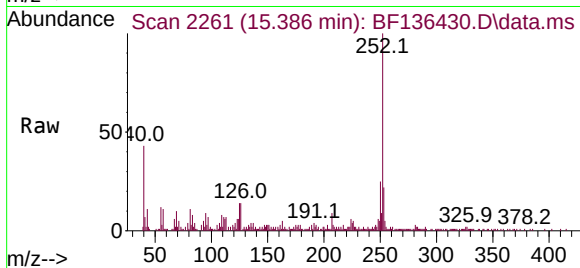
Lab File: BF136430.D

Acq: 06 Dec 2023 16:09

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 31296

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

125 13.9 8.6 13.0#

