

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
 Data File : BF136425.D
 Acq On : 06 Dec 2023 13:29
 Operator : CG\JU
 Sample : 05420-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 06 13:51:26 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)

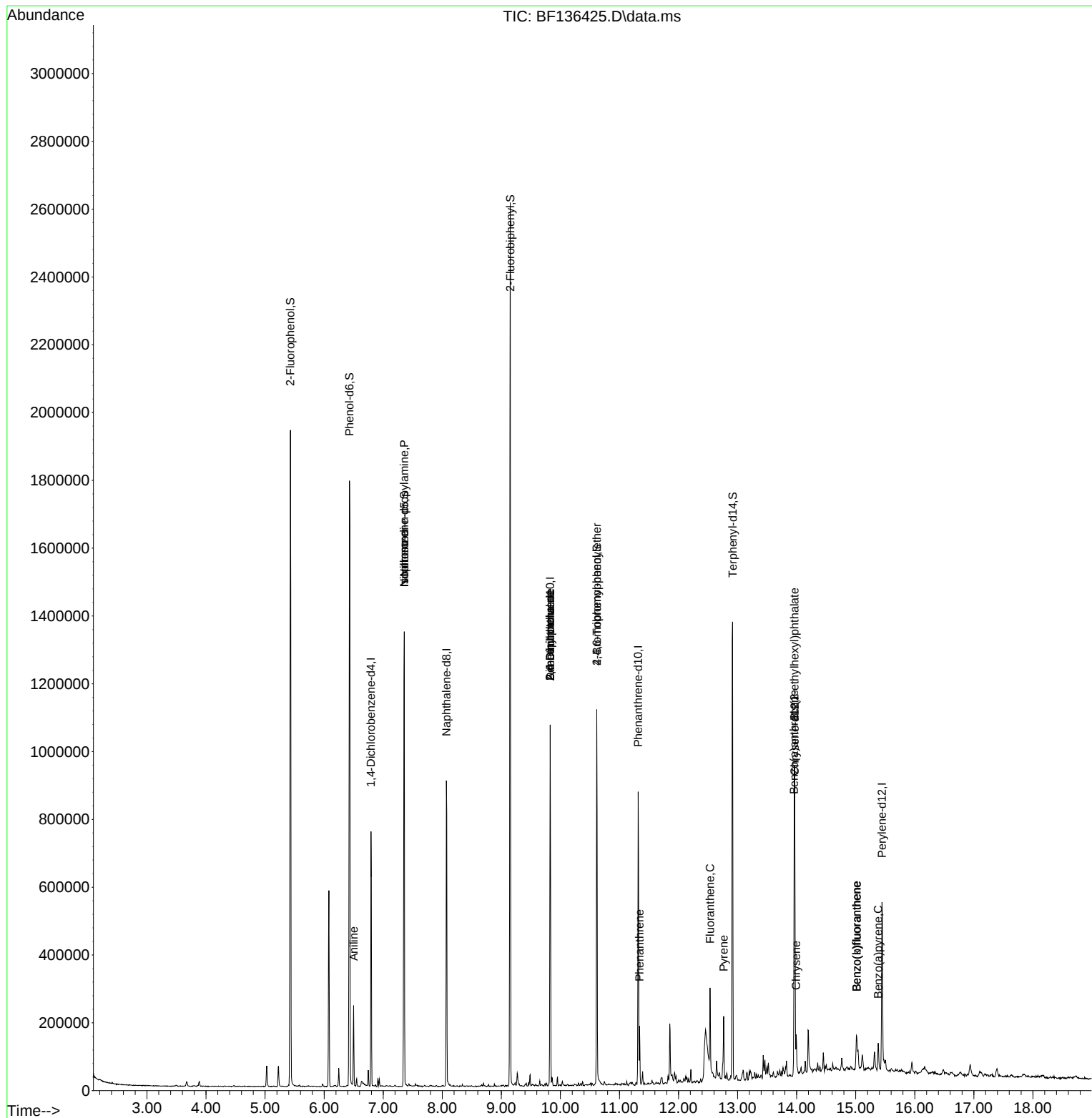
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	105743	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	408574	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	194855	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	304790	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	184620	20.000	ng	-0.01
86) Perylene-d12	15.445	264	232619	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	545864	76.236	ng	0.00
7) Phenol-d6	6.428	99	698244	78.161	ng	-0.02
23) Nitrobenzene-d5	7.357	82	441660	58.438	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	138070	57.467	ng	-0.02
45) 2-Fluorobiphenyl	9.151	172	742295	51.980	ng	-0.01
79) Terphenyl-d14	12.916	244	496621	35.455	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	6.498	93	45807	5.074	ng	# 49
9) Benzaldehyde	6.434	77	1226	Below Cal		# 1
19) n-Nitroso-di-n-propyla...	7.357	70	56270	10.919	ng	# 77
25) Isophorone	7.357	82	441657	32.527	ng	# 65
50) Dimethylphthalate	9.828	163	38221	2.664	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	24756	7.670	ng	# 29
57) 2,4-Dinitrotoluene	9.828	165	24756	5.798	ng	# 29
67) 4-Bromophenyl-phenylether	10.616	248	8821	2.489	ng	# 1
71) Phenanthrene	11.339	178	56894	3.396	ng	96
75) Fluoranthene	12.533	202	87917	5.008	ng	96
77) Benzidine	12.910	184	5457	Below Cal		# 92
78) Pyrene	12.763	202	69538	3.846	ng	96
81) Benzo(a)anthracene	13.957	228	42223	3.283	ng	97
83) Chrysene	13.992	228	39674	3.136	ng	94
84) Bis(2-ethylhexyl)phtha...	13.963	149	141361	17.915	ng	# 99
88) Benzo(b)fluoranthene	15.016	252	75178	4.727	ng	# 94
89) Benzo(k)fluoranthene	15.016	252	75178	5.016	ng	# 94
90) Benzo(a)pyrene	15.380	252	36495	2.778	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
Data File : BF136425.D
Acq On : 06 Dec 2023 13:29
Operator : CG\JU
Sample : 05420-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

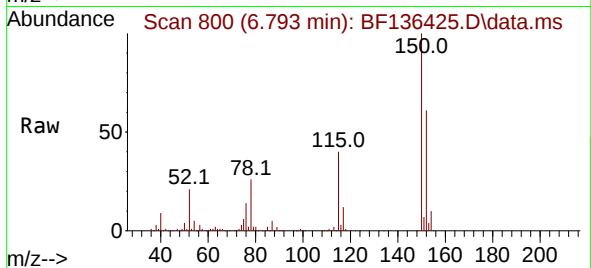
Quant Time: Dec 06 13:51:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration



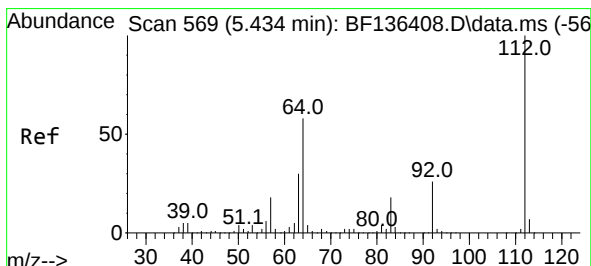
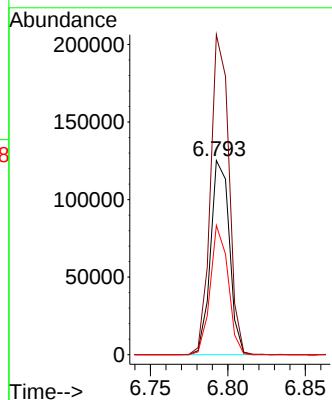
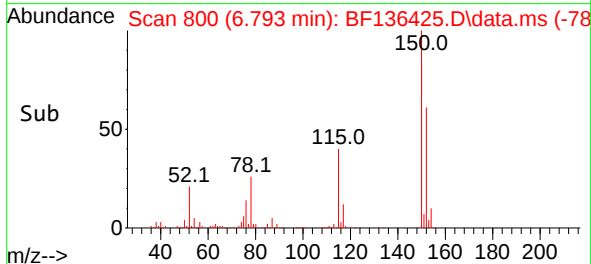


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 802
 Delta R.T. -0.011 min
 Lab File: BF136425.D
 Acq: 06 Dec 2023 13:29

Instrument :
 BNA_F
 ClientSampleId :

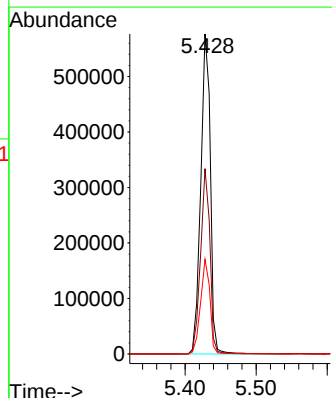
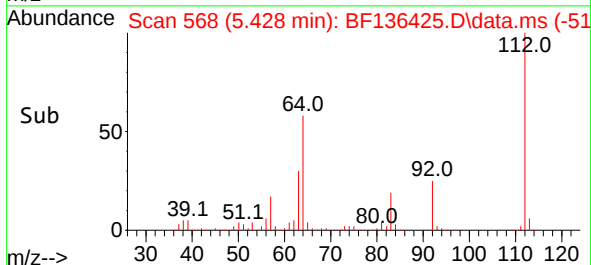
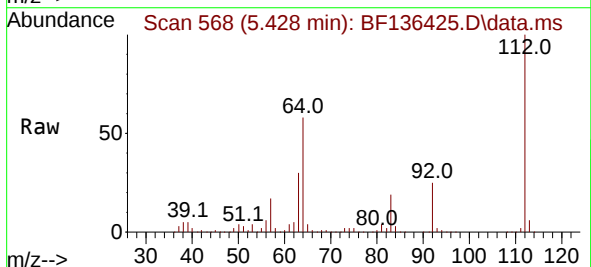


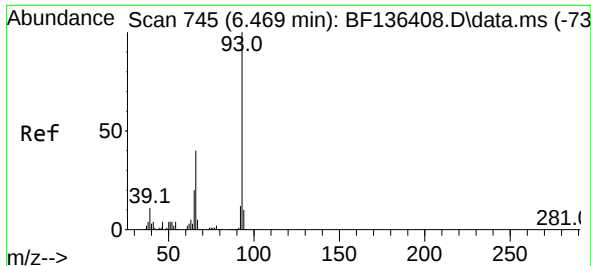
Tgt Ion:152 Resp: 105743
 Ion Ratio Lower Upper
 152 100
 150 164.8 126.4 189.6
 115 66.6 48.2 72.4



#5
 2-Fluorophenol
 Concen: 76.236 ng
 RT: 5.428 min Scan# 568
 Delta R.T. -0.006 min
 Lab File: BF136425.D
 Acq: 06 Dec 2023 13:29

Tgt Ion:112 Resp: 545864
 Ion Ratio Lower Upper
 112 100
 64 57.9 46.5 69.7
 63 29.5 23.9 35.9

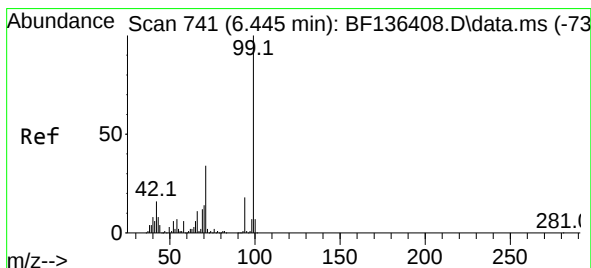
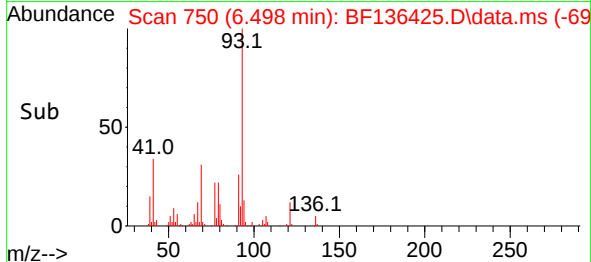
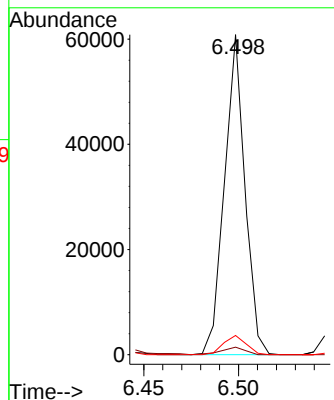
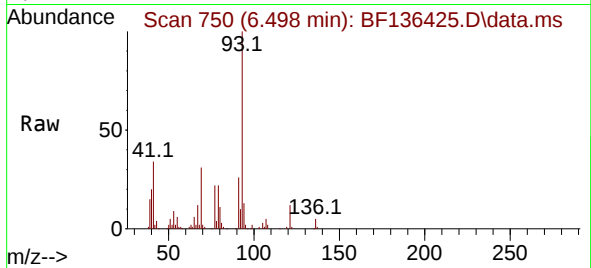




#6
Aniline
Concen: 5.074 ng
RT: 6.498 min Scan# 714
Delta R.T. 0.029 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29

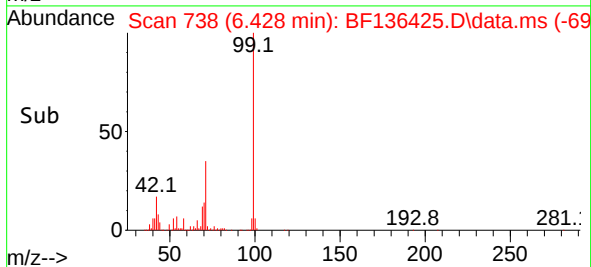
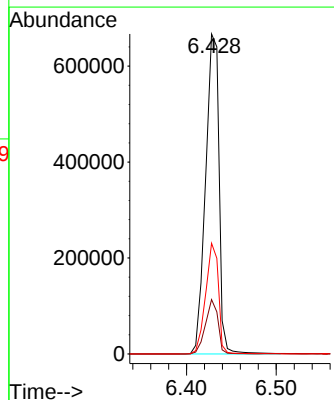
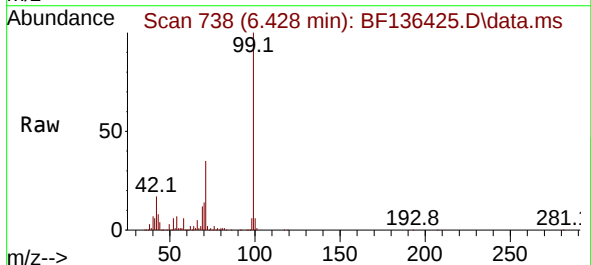
Instrument :
BNA_F
ClientSampleId :

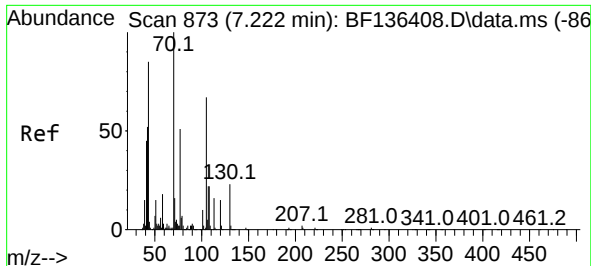
Tgt Ion: 93 Resp: 45807
Ion Ratio Lower Upper
93 100
66 2.4 32.5 48.7#
65 6.0 16.4 24.6#



#7
Phenol-d6
Concen: 78.161 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.018 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29

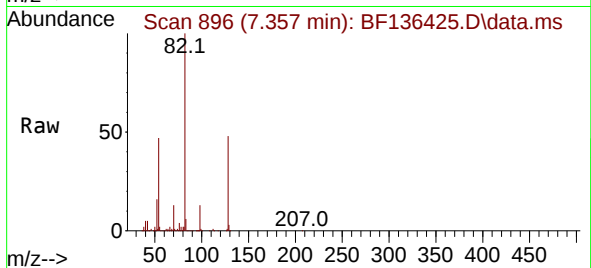
Tgt Ion: 99 Resp: 698244
Ion Ratio Lower Upper
99 100
42 17.0 12.8 19.2
71 34.6 27.0 40.4



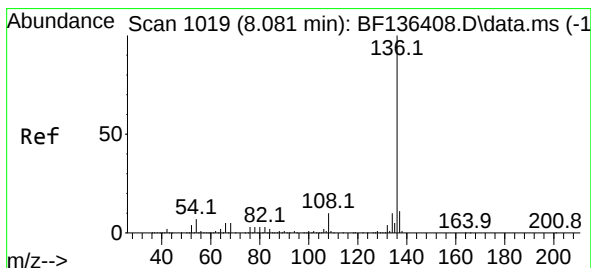
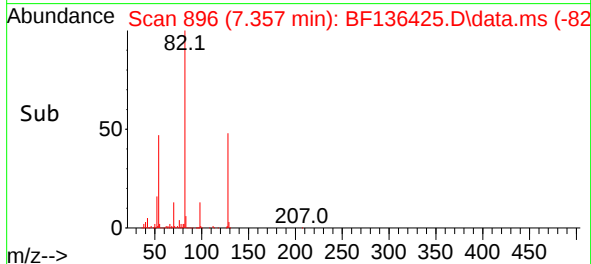
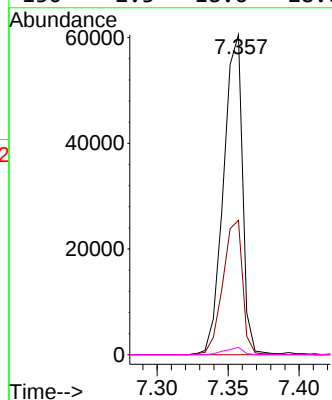


#19
n-Nitroso-di-n-propylamine
Concen: 10.919 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29

Instrument :
BNA_F
ClientSampleId :

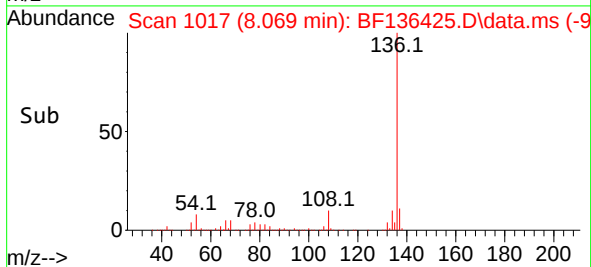
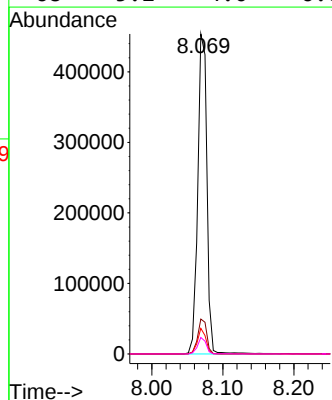
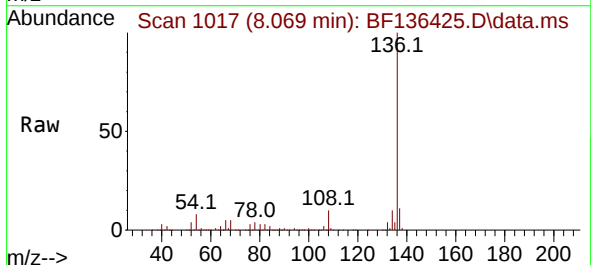


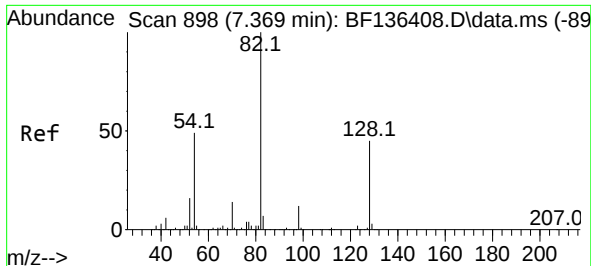
Tgt Ion: 70 Resp: 56270
Ion Ratio Lower Upper
70 100
42 42.0 41.4 62.0
101 0.0 8.2 12.4#
130 2.3 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29

Tgt Ion: 136 Resp: 408574
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.0 5.7 8.5
68 5.2 4.0 6.0

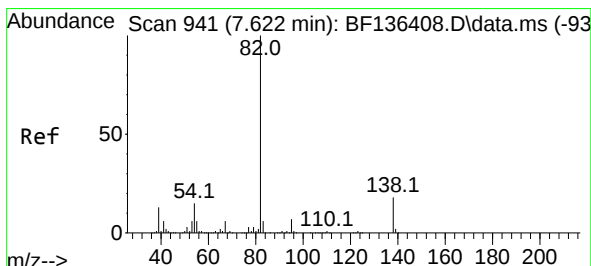
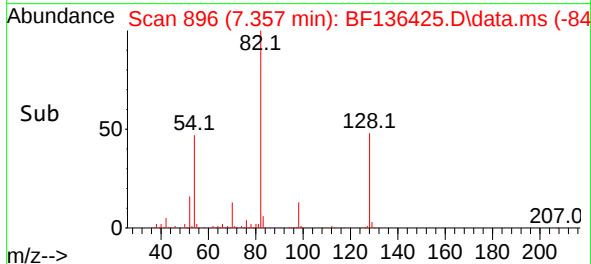
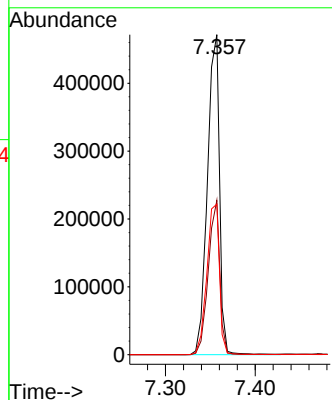
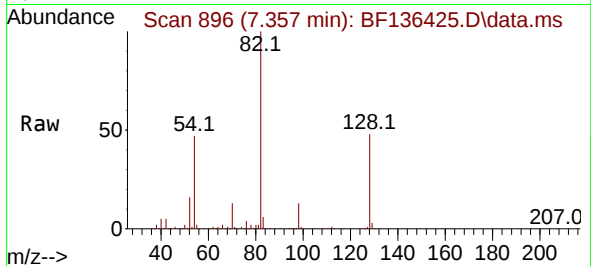




#23
Nitrobenzene-d5
Concen: 58.438 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29

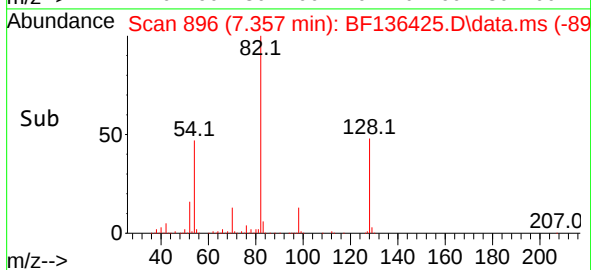
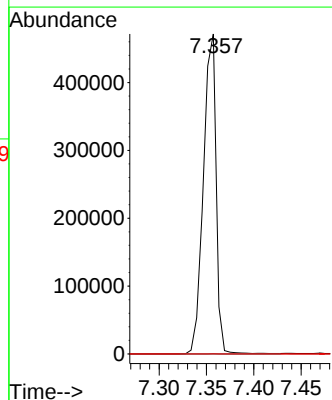
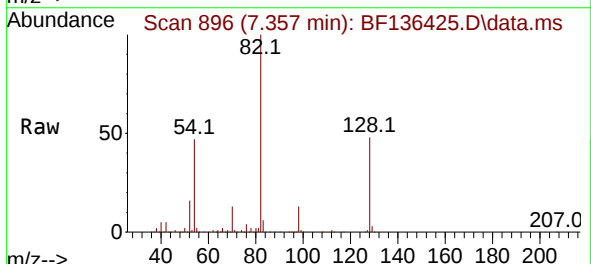
Instrument :
BNA_F
ClientSampleId :

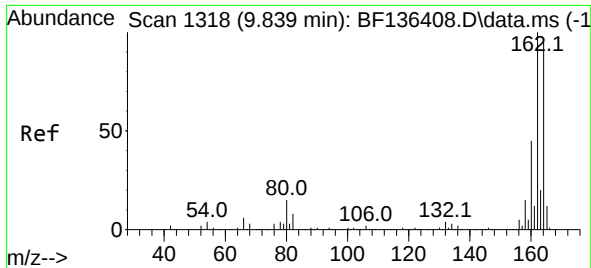
Tgt Ion: 82 Resp: 441660
Ion Ratio Lower Upper
82 100
128 48.2 36.3 54.5
54 47.0 39.0 58.6



#25
Isophorone
Concen: 32.527 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29

Tgt Ion: 82 Resp: 441657
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: 9.828 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136425.D

Acq: 06 Dec 2023 13:29

Instrument :

BNA_F

ClientSampleId :

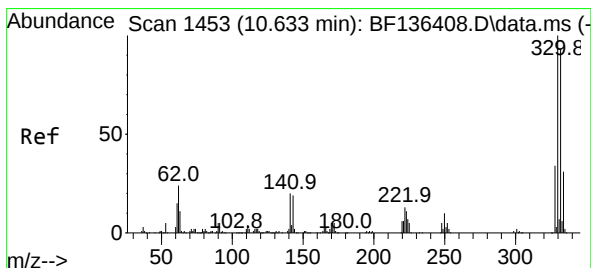
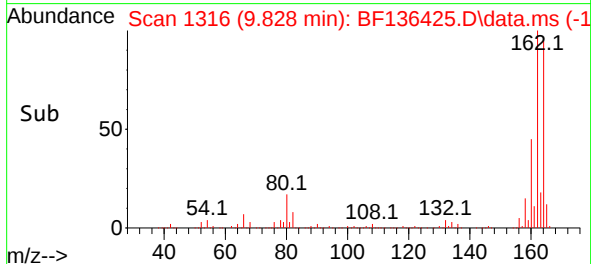
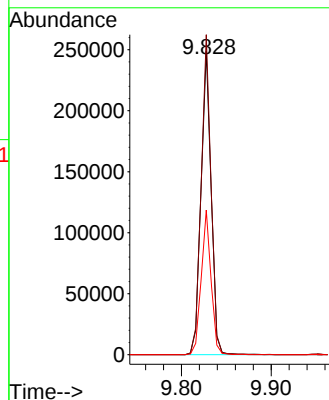
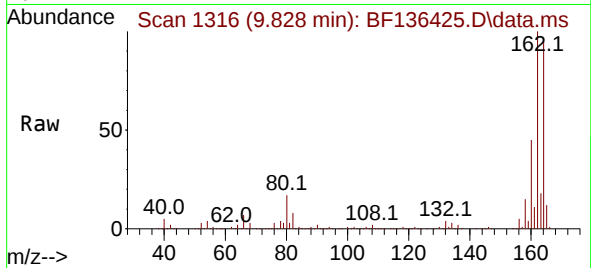
Tgt Ion:164 Resp: 194855

Ion Ratio Lower Upper

164 100

162 105.5 84.4 126.6

160 47.6 37.6 56.4



#42

2,4,6-Tribromophenol

Concen: 57.467 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.018 min

Lab File: BF136425.D

Acq: 06 Dec 2023 13:29

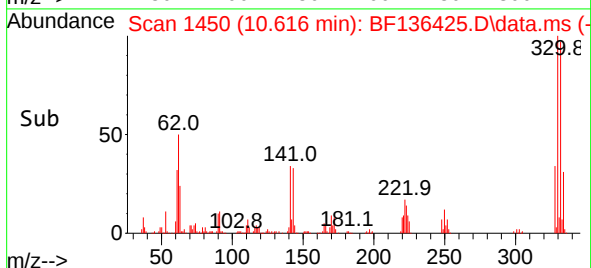
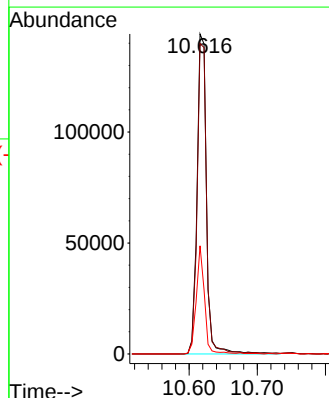
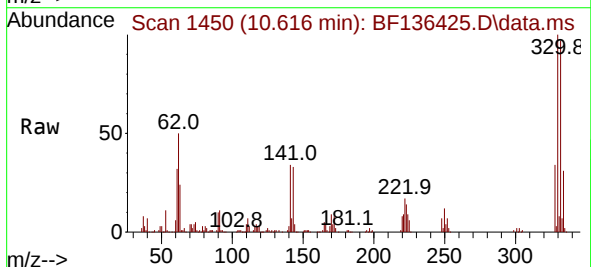
Tgt Ion:330 Resp: 138070

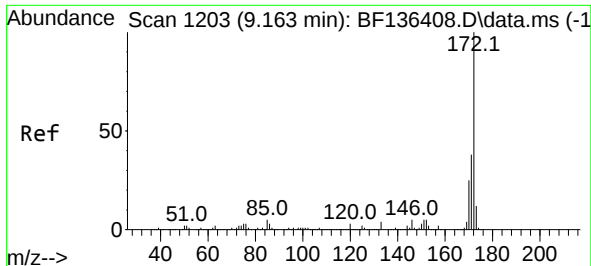
Ion Ratio Lower Upper

330 100

332 96.0 76.4 114.6

141 29.7 23.4 35.2

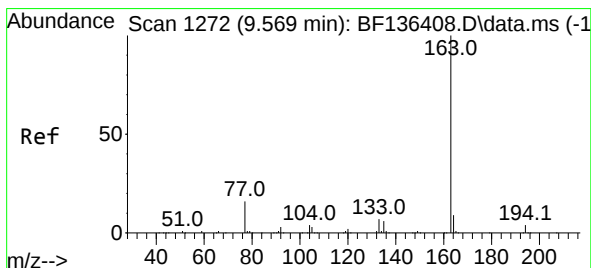
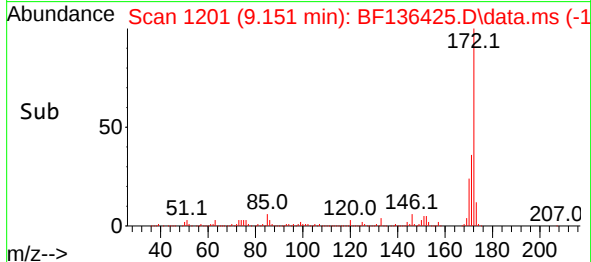
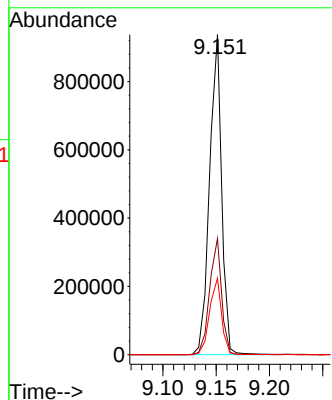
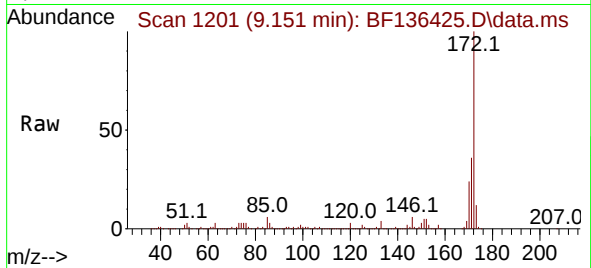




#45
2-Fluorobiphenyl
Concen: 51.980 ng
RT: 9.151 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29

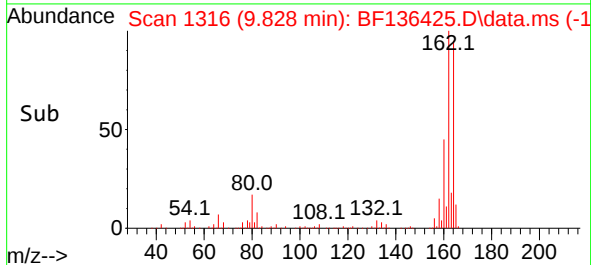
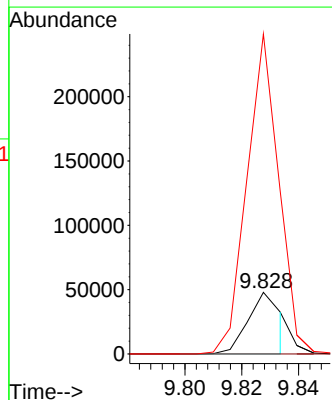
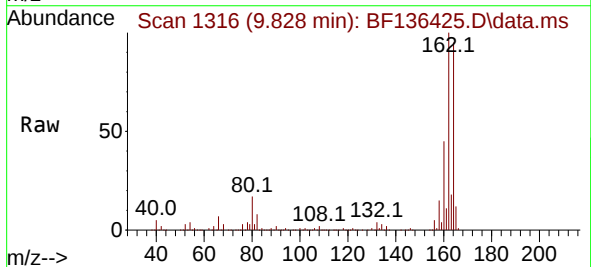
Instrument :
BNA_F
ClientSampleId :

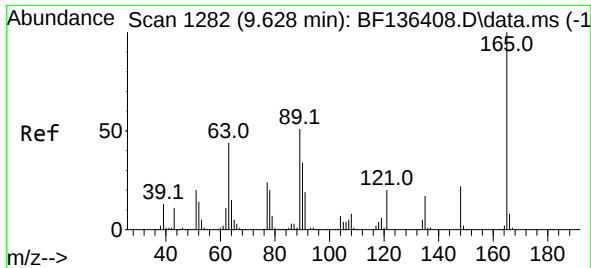
Tgt Ion:172 Resp: 742295
Ion Ratio Lower Upper
172 100
171 36.3 30.5 45.7
170 23.9 19.9 29.9



#50
Dimethylphthalate
Concen: 2.664 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29

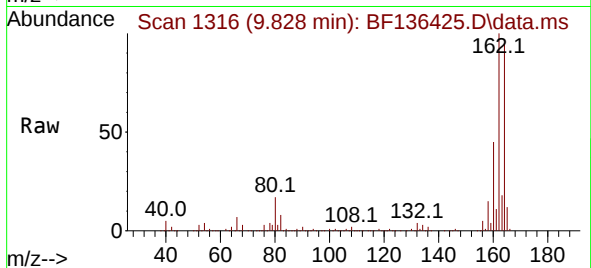
Tgt Ion:163 Resp: 38221
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 519.7 7.4 11.2#



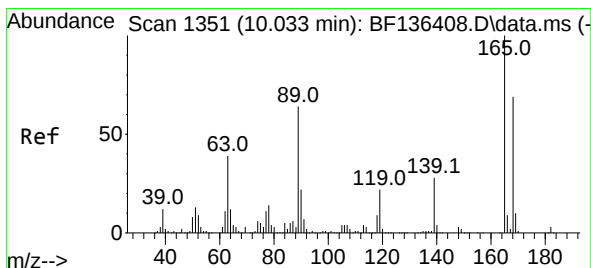
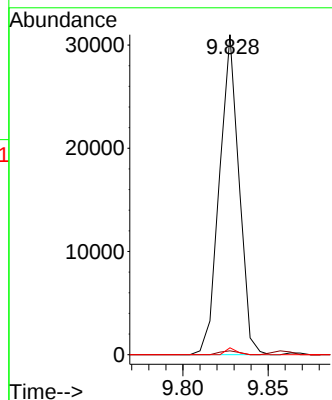
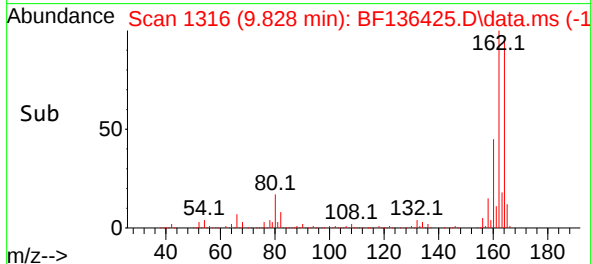


#51
2,6-Dinitrotoluene
Concen: 7.670 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29

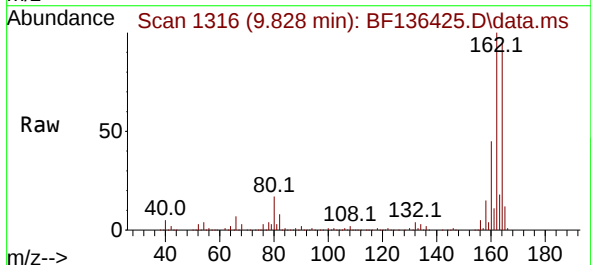
Instrument :
BNA_F
ClientSampleId :



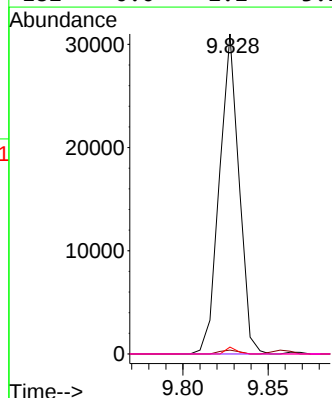
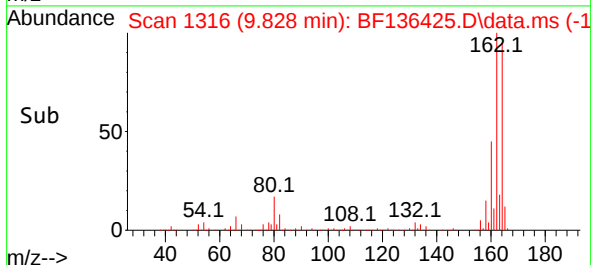
Tgt Ion:165 Resp: 24756
Ion Ratio Lower Upper
165 100
63 1.2 40.4 60.6#
89 2.2 40.6 60.8#

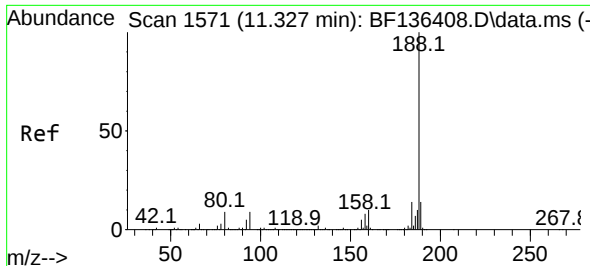


#57
2,4-Dinitrotoluene
Concen: 5.798 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.206 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29



Tgt Ion:165 Resp: 24756
Ion Ratio Lower Upper
165 100
63 1.2 31.4 47.2#
89 2.2 51.7 77.5#
182 0.0 2.2 3.2#

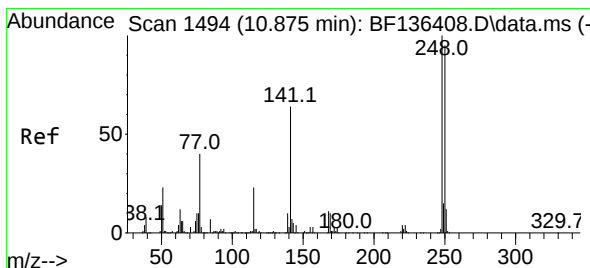
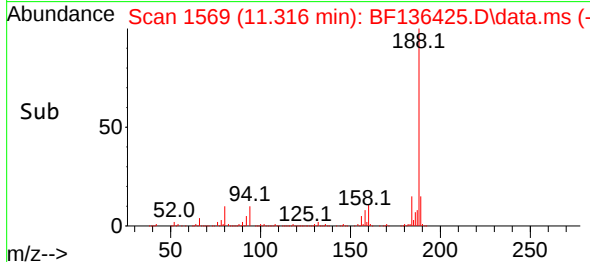
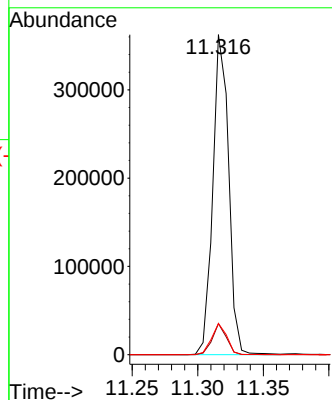
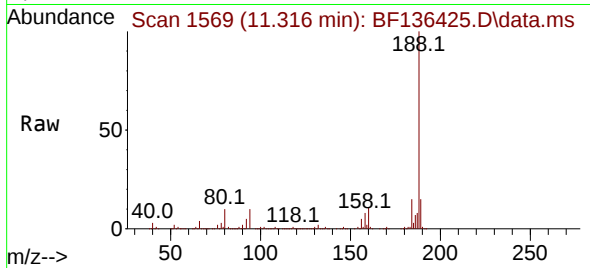




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29

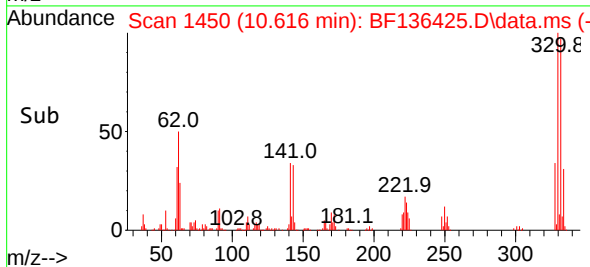
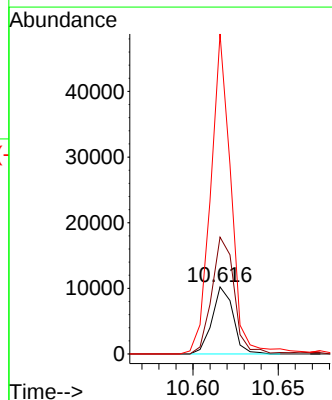
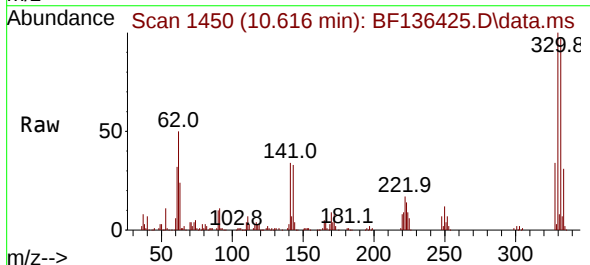
Instrument :
BNA_F
ClientSampleId :

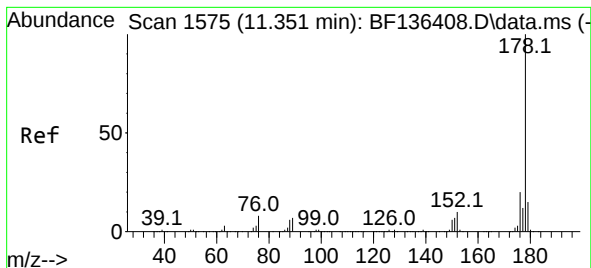
Tgt Ion:188 Resp: 304790
Ion Ratio Lower Upper
188 100
94 9.7 7.2 10.8
80 9.7 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 2.489 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.259 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29

Tgt Ion:248 Resp: 8821
Ion Ratio Lower Upper
248 100
250 174.1 76.2 114.2#
141 476.8 51.0 76.4#





#71

Phenanthrene

Concen: 3.396 ng

RT: 11.339 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136425.D

Acq: 06 Dec 2023 13:29

Instrument :

BNA_F

ClientSampleId :

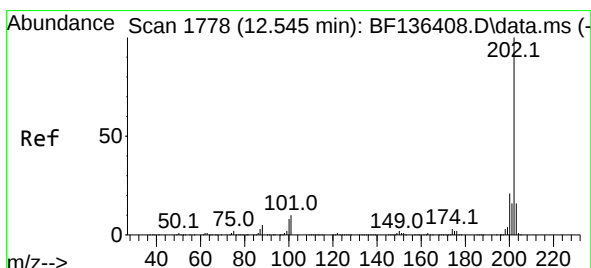
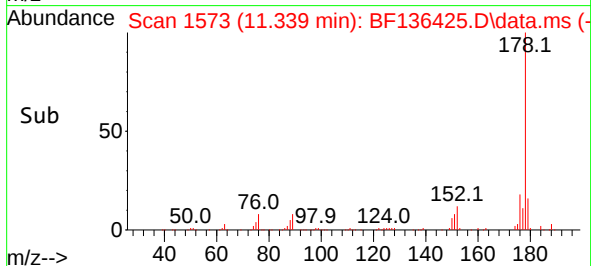
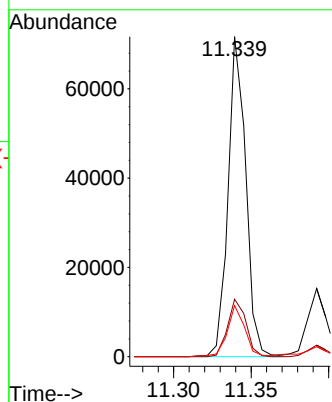
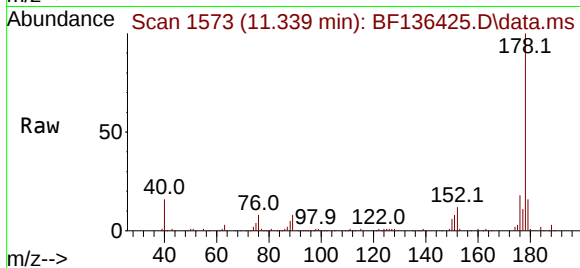
Tgt Ion:178 Resp: 56894

Ion Ratio Lower Upper

178 100

176 18.0 15.9 23.9

179 16.0 11.8 17.6



#75

Fluoranthene

Concen: 5.008 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.012 min

Lab File: BF136425.D

Acq: 06 Dec 2023 13:29

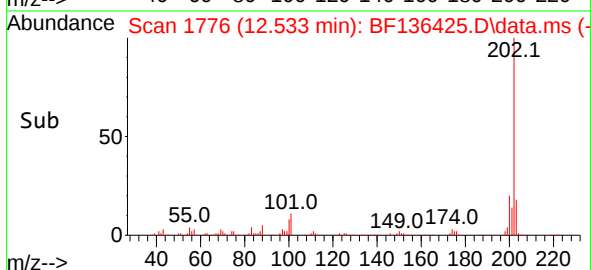
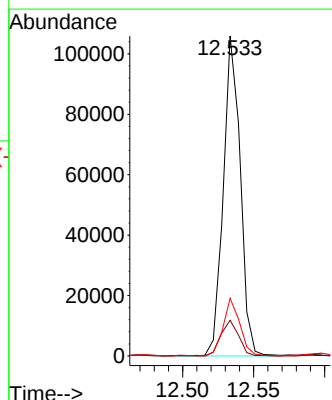
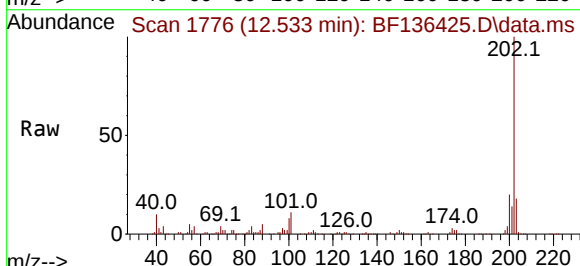
Tgt Ion:202 Resp: 87917

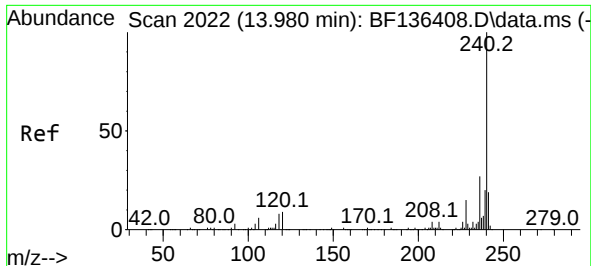
Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.9

203 18.0 0.0 36.3

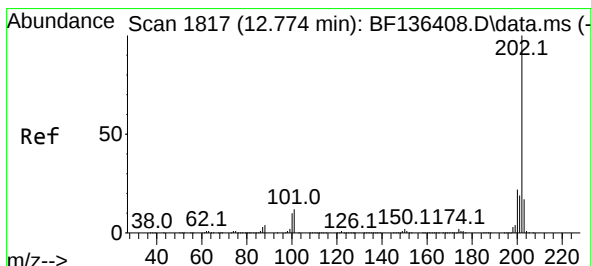
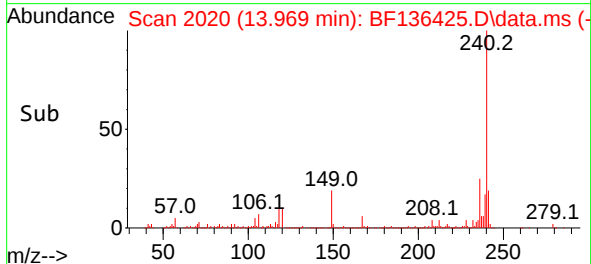
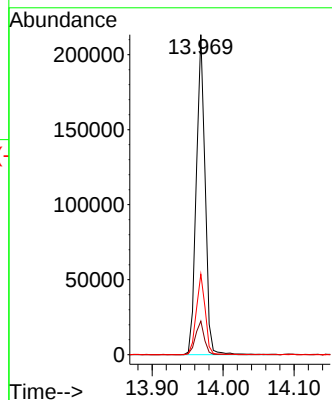
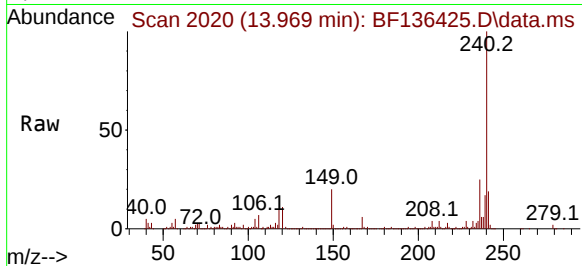




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29

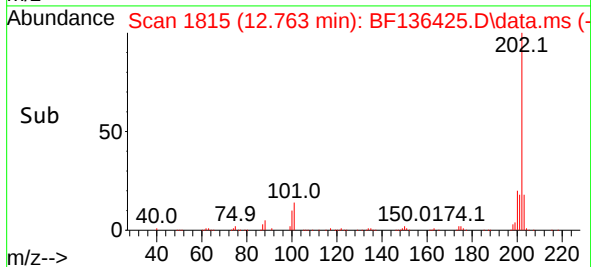
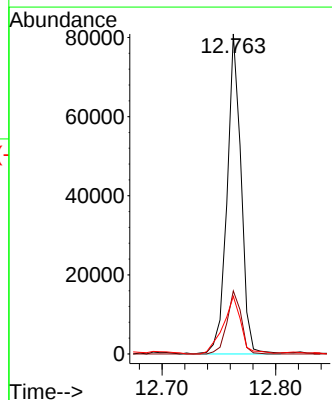
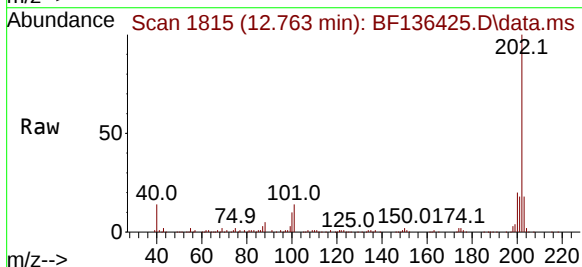
Instrument :
BNA_F
ClientSampleId :

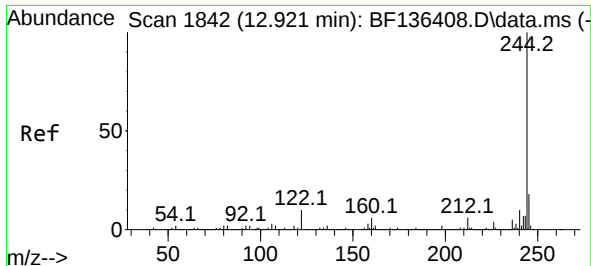
Tgt Ion:240 Resp: 184620
Ion Ratio Lower Upper
240 100
120 10.5 7.3 10.9
236 25.2 21.3 31.9



#78
Pyrene
Concen: 3.846 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF136425.D
Acq: 06 Dec 2023 13:29

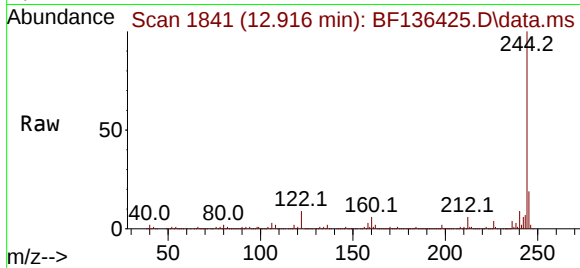
Tgt Ion:202 Resp: 69538
Ion Ratio Lower Upper
202 100
200 19.7 18.0 27.0
203 18.0 13.5 20.3



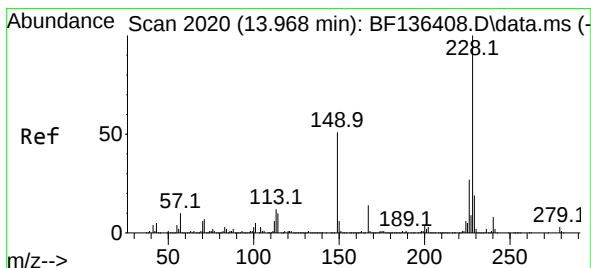
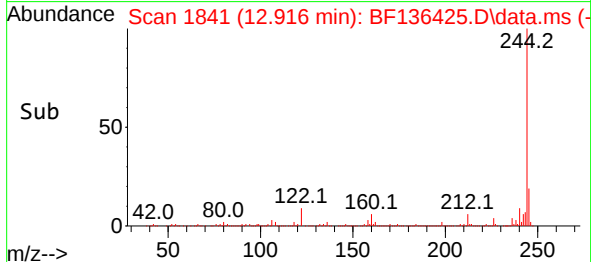
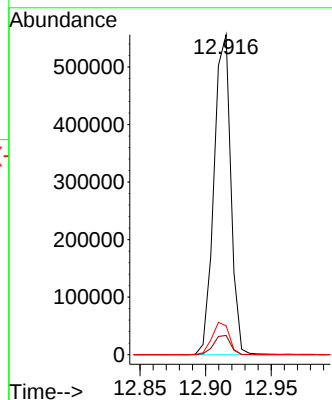


#79
 Terphenyl-d14
 Concen: 35.455 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF136425.D
 Acq: 06 Dec 2023 13:29

Instrument :
 BNA_F
 ClientSampleId :

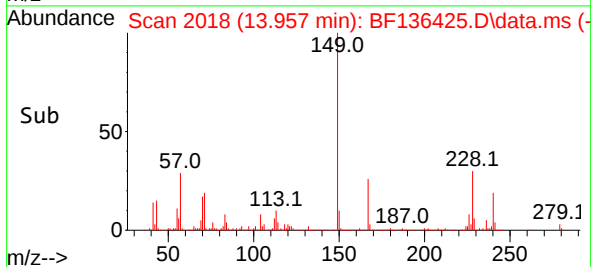
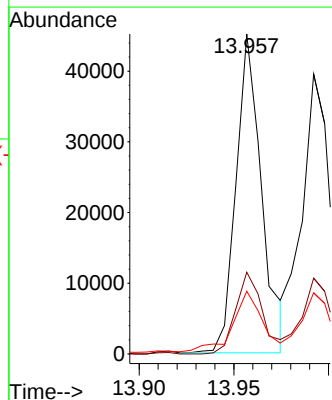
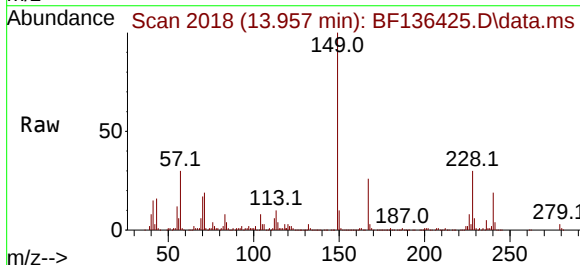


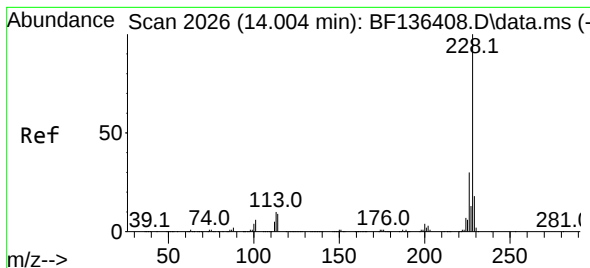
Tgt Ion:244 Resp: 496621
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.0 7.4
 122 9.0 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 3.283 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.012 min
 Lab File: BF136425.D
 Acq: 06 Dec 2023 13:29

Tgt Ion:228 Resp: 42223
 Ion Ratio Lower Upper
 228 100
 226 25.6 21.8 32.8
 229 19.6 15.0 22.4





#83

Chrysene

Concen: 3.136 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136425.D

Acq: 06 Dec 2023 13:29

Instrument :

BNA_F

ClientSampleId :

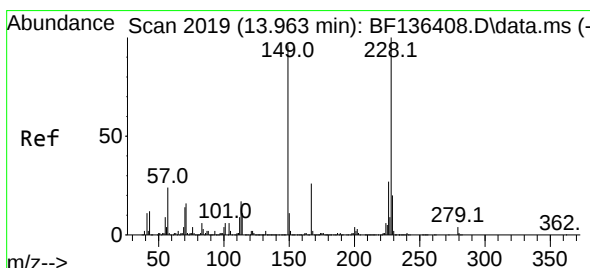
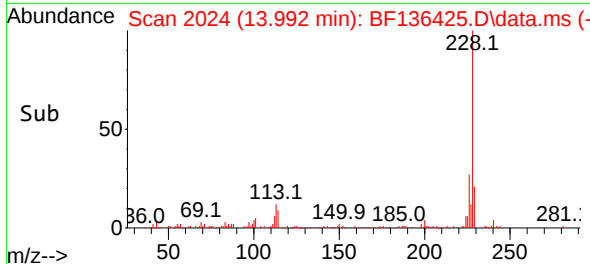
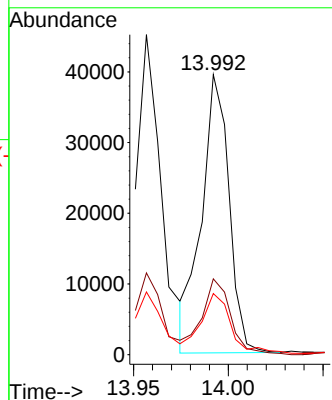
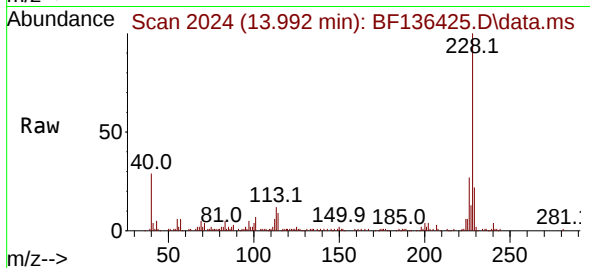
Tgt Ion:228 Resp: 39674

Ion Ratio Lower Upper

228 100

226 27.1 23.8 35.6

229 21.8 14.8 22.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 17.915 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF136425.D

Acq: 06 Dec 2023 13:29

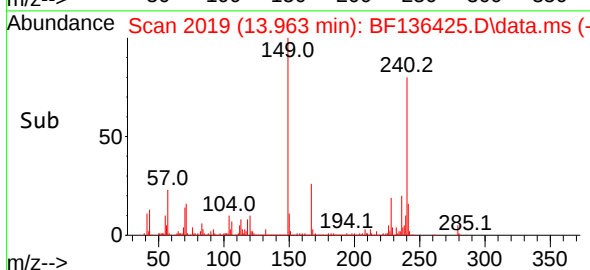
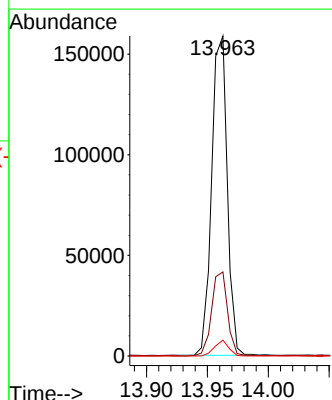
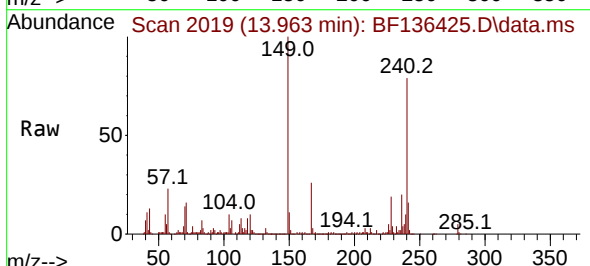
Tgt Ion:149 Resp: 141361

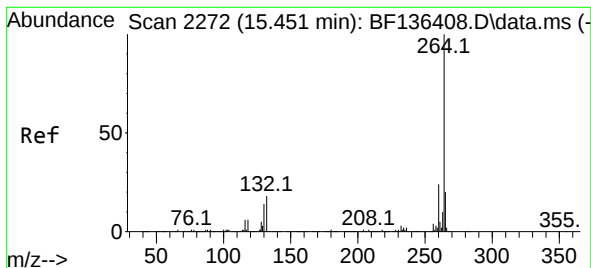
Ion Ratio Lower Upper

149 100

167 26.3 21.2 31.8

279 5.0 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136425.D

Acq: 06 Dec 2023 13:29

Instrument :

BNA_F

ClientSampleId :

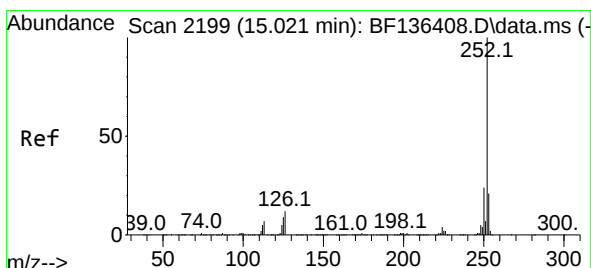
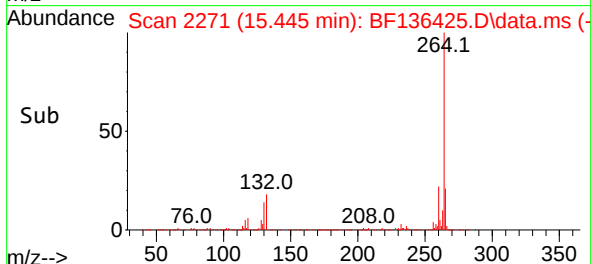
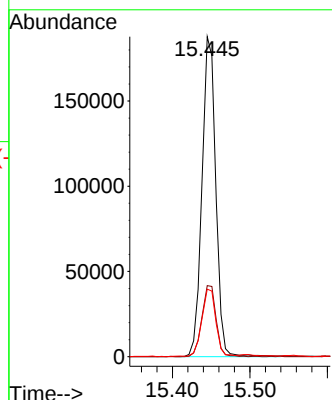
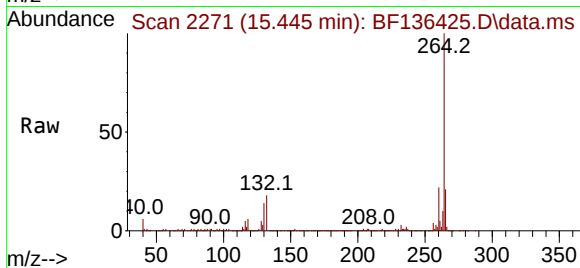
Tgt Ion:264 Resp: 232619

Ion Ratio Lower Upper

264 100

260 22.2 19.2 28.8

265 21.1 15.9 23.9



#88

Benzo(b)fluoranthene

Concen: 4.727 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136425.D

Acq: 06 Dec 2023 13:29

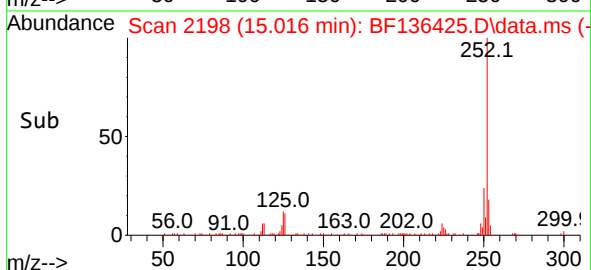
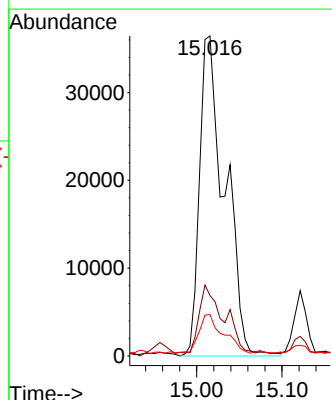
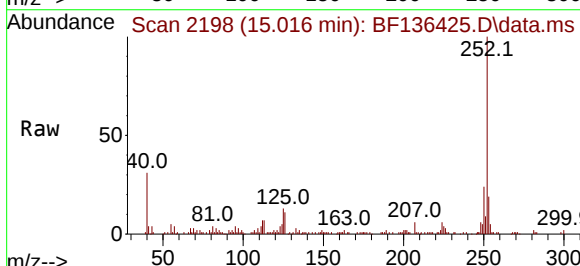
Tgt Ion:252 Resp: 75178

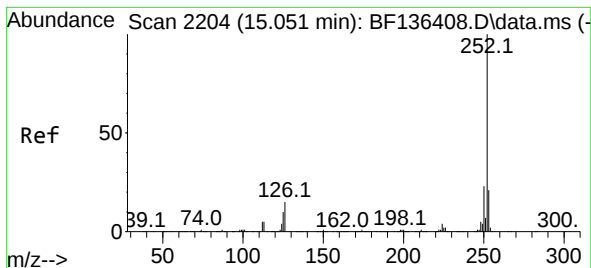
Ion Ratio Lower Upper

252 100

253 18.9 16.9 25.3

125 12.9 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 5.016 ng

RT: 15.016 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF136425.D

Acq: 06 Dec 2023 13:29

Instrument :

BNA_F

ClientSampleId :

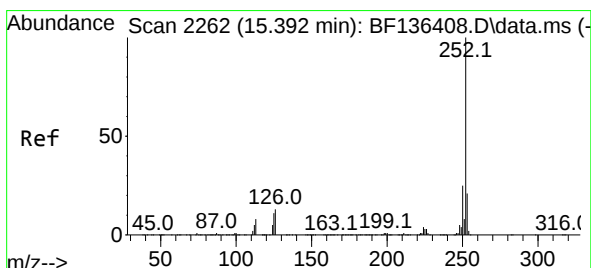
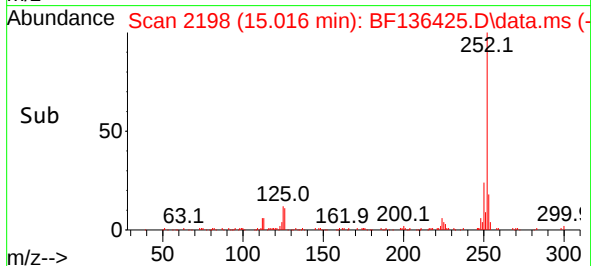
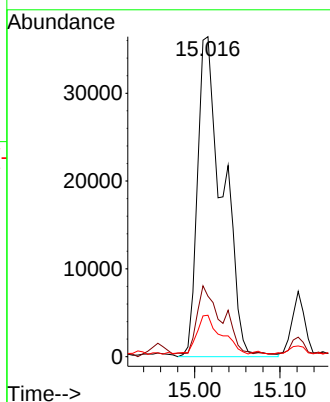
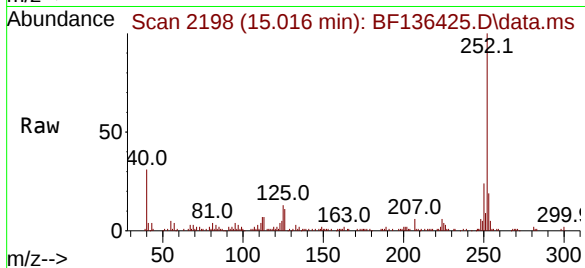
Tgt Ion:252 Resp: 75178

Ion Ratio Lower Upper

252 100

253 18.9 16.9 25.3

125 12.9 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 2.778 ng

RT: 15.380 min Scan# 2260

Delta R.T. -0.012 min

Lab File: BF136425.D

Acq: 06 Dec 2023 13:29

Tgt Ion:252 Resp: 36495

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

125 12.1 8.6 13.0

