

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
 Data File : BF126416.D
 Acq On : 30 Dec 2021 13:11
 Operator : JU/CG
 Sample : M5223-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 30 13:45:54 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 30 04:30:49 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

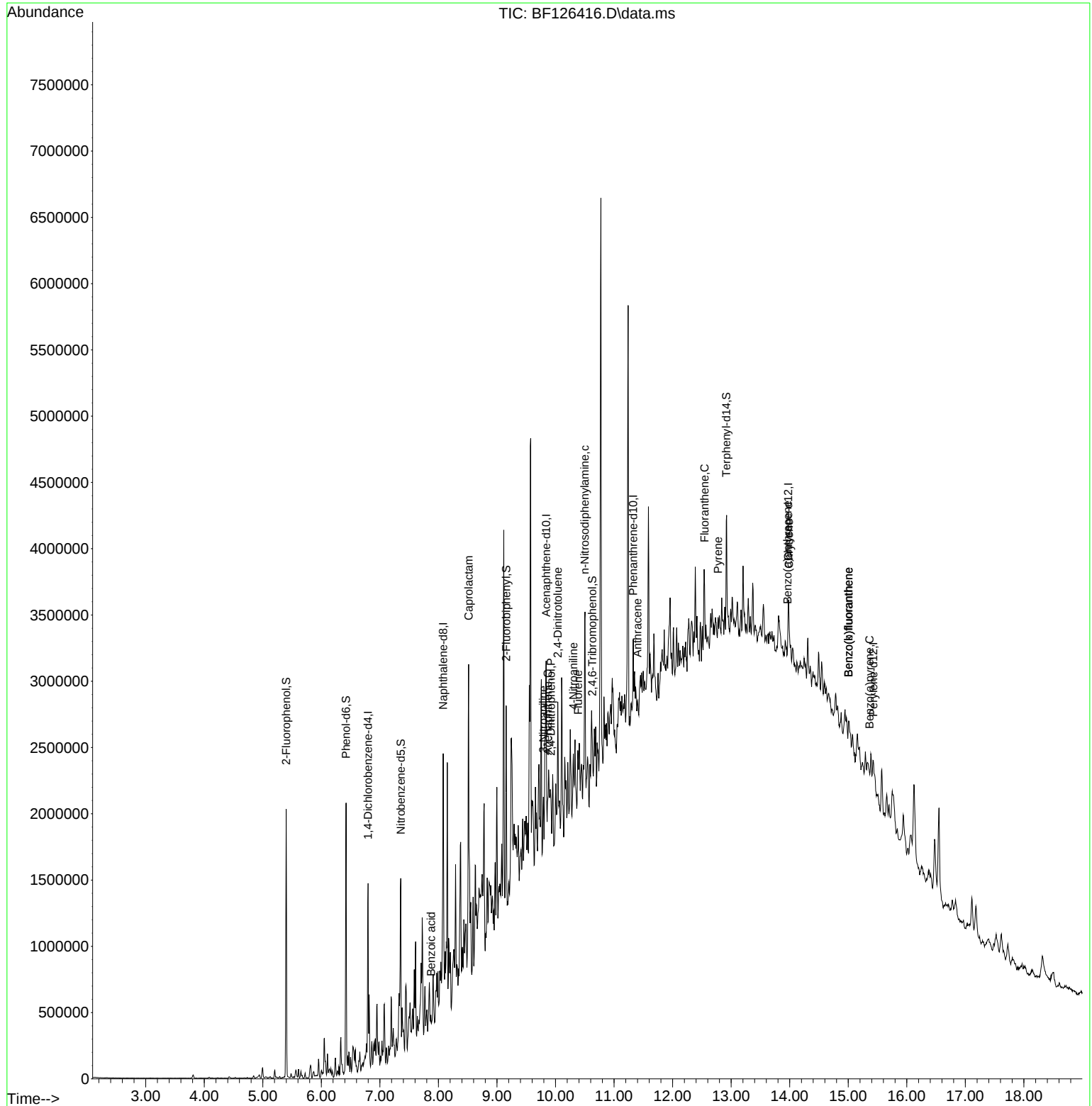
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	177439	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	641171	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	215555	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	296043	20.000	ng	0.00
76) Chrysene-d12	13.974	240	169581	20.000	ng	0.02
86) Perylene-d12	15.427	264	139984	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	533423	43.171	ng	0.00
7) Phenol-d6	6.422	99	665510	41.585	ng	0.00
23) Nitrobenzene-d5	7.357	82	409200	32.769	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	64370	38.645	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	415387	33.911	ng	0.00
79) Terphenyl-d14	12.915	244	238856	27.366	ng	0.01
Target Compounds						Qvalue
32) Benzoic acid	7.875	122	5354	7.802	ng	# 24
35) Caprolactam	8.516	113	48741	24.225	ng	# 57
52) Acenaphthene	9.869	154	30795	2.586	ng	# 91
53) 3-Nitroaniline	9.792	138	8670	2.176	ng	# 18
54) 2,4-Dinitrophenol	9.922	184	377	4.244	ng	# 1
57) 2,4-Dinitrotoluene	10.039	165	8146	2.173	ng	# 59
58) Fluorene	10.386	166	25164	2.211	ng	# 73
62) 4-Nitroaniline	10.304	138	9623	2.564	ng	# 95
66) n-Nitrosodiphenylamine	10.498	169	83204	9.059	ng	# 53
72) Anthracene	11.398	178	39670	2.619	ng	# 59
75) Fluoranthene	12.545	202	101614	7.356	ng	# 89
77) Benzidine	12.651	184	3702	Below Cal		# 1
78) Pyrene	12.774	202	146735	10.239	ng	# 93
81) Benzo(a)anthracene	13.962	228	38888	3.988	ng	# 54
83) Chrysene	13.986	228	69453	6.943	ng	# 60
88) Benzo(b)fluoranthene	15.004	252	36120	4.331	ng	# 1
89) Benzo(k)fluoranthene	15.004	252	36120	4.471	ng	# 1
90) Benzo(a)pyrene	15.362	252	20548	2.939	ng	# 1

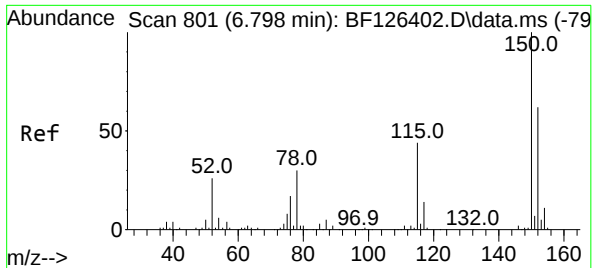
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
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Quant Time: Dec 30 13:45:54 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 30 04:30:49 2021
Response via : Initial Calibration

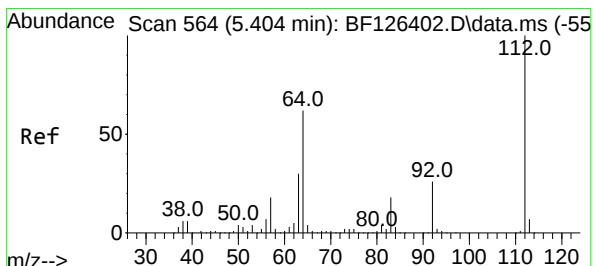
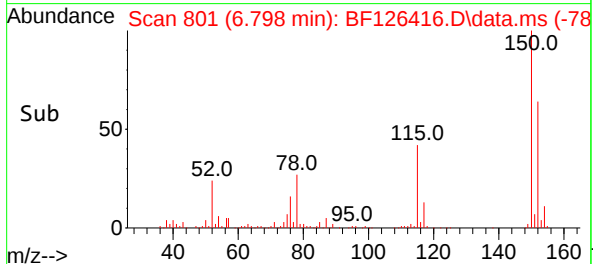
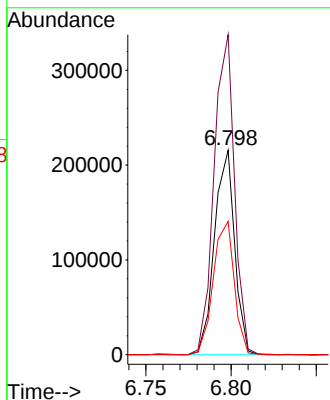
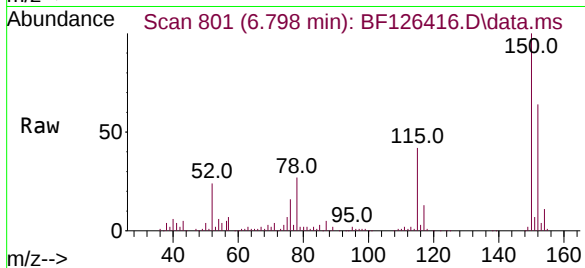




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

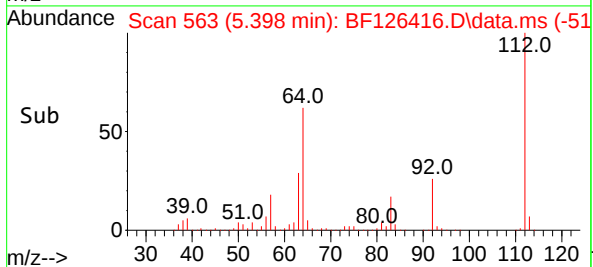
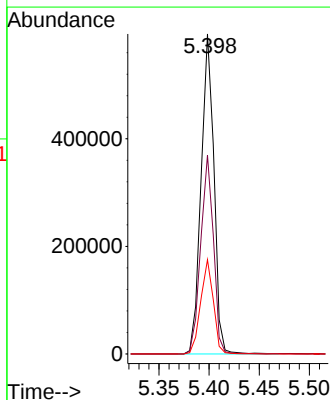
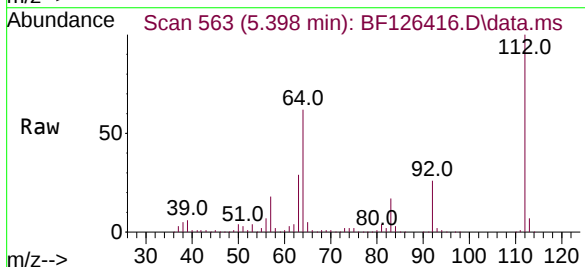
Instrument :
BNA_F
ClientSampleId :

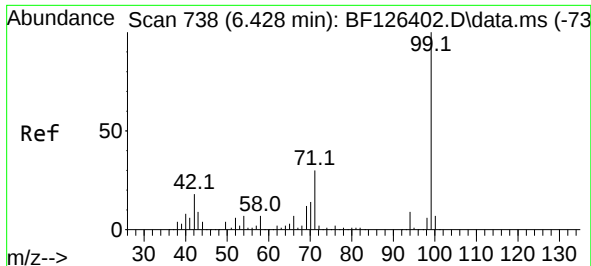
Tgt Ion:152 Resp: 177439
Ion Ratio Lower Upper
152 100
150 156.6 128.1 192.1
115 65.2 56.7 85.1



#5
2-Fluorophenol
Concen: 43.171 ng
RT: 5.398 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

Tgt Ion:112 Resp: 533423
Ion Ratio Lower Upper
112 100
64 62.2 49.5 74.3
63 29.5 23.9 35.9

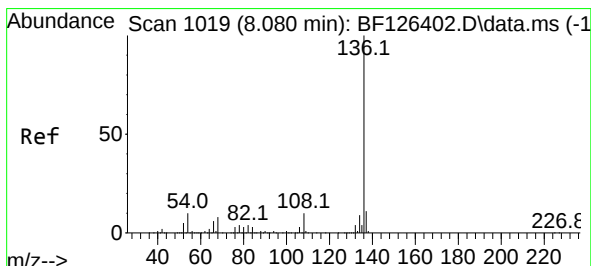
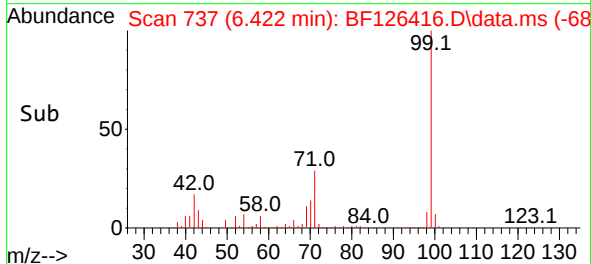
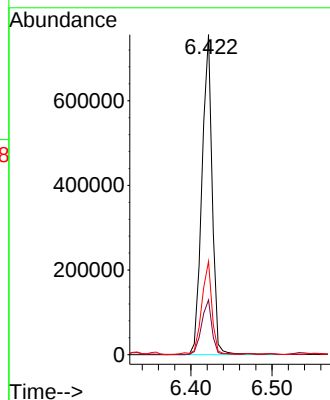
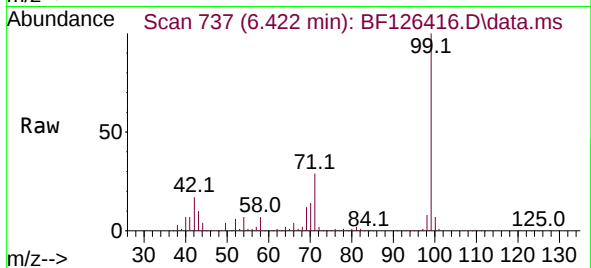




#7
Phenol-d6
Concen: 41.585 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

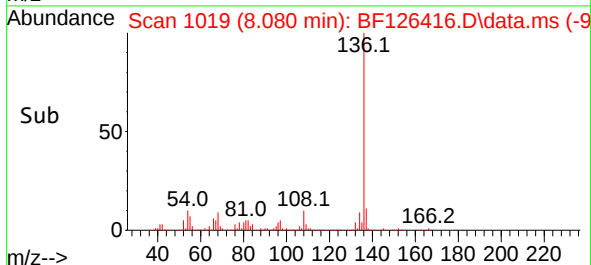
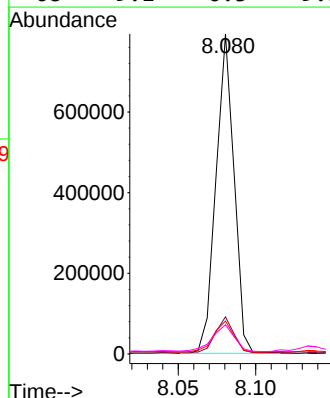
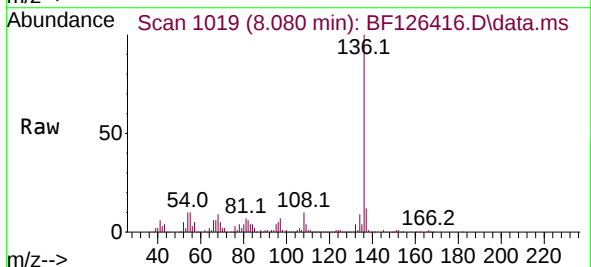
Instrument :
BNA_F
ClientSampleId :

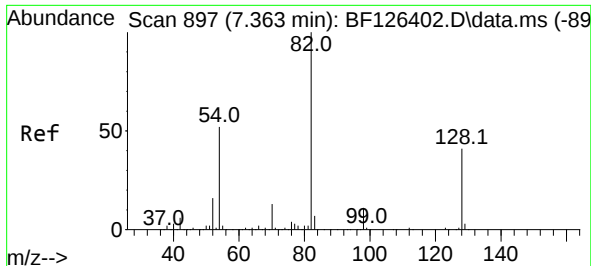
Tgt Ion: 99 Resp: 665510
Ion Ratio Lower Upper
99 100
42 17.1 14.2 21.4
71 29.2 24.3 36.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.080 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

Tgt Ion: 136 Resp: 641171
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 10.3 7.8 11.6
68 9.1 6.3 9.5





#23

Nitrobenzene-d5

Concen: 32.769 ng

RT: 7.357 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

Instrument :

BNA_F

ClientSampleId :

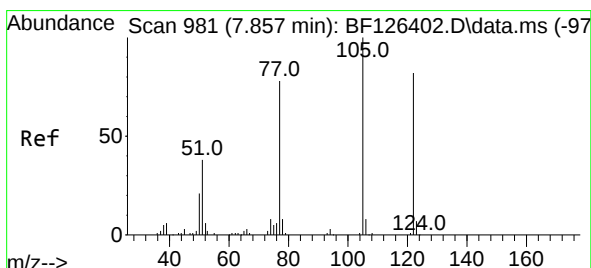
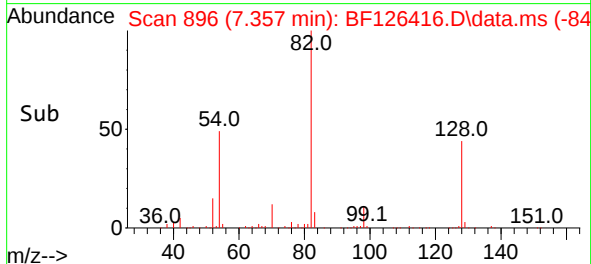
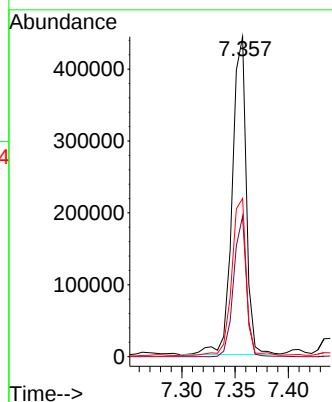
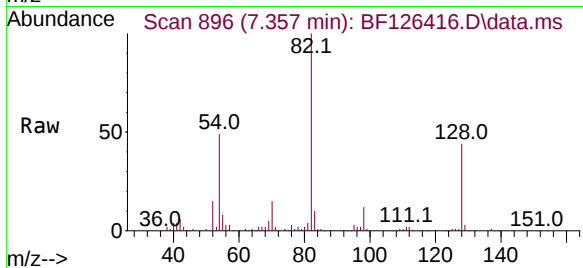
Tgt Ion: 82 Resp: 409200

Ion Ratio Lower Upper

82 100

128 43.9 32.7 49.1

54 49.5 41.7 62.5



#32

Benzoic acid

Concen: 7.802 ng

RT: 7.875 min Scan# 984

Delta R.T. 0.018 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

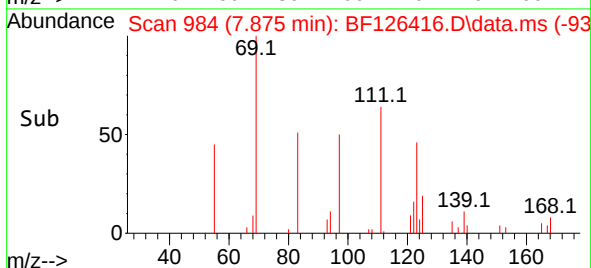
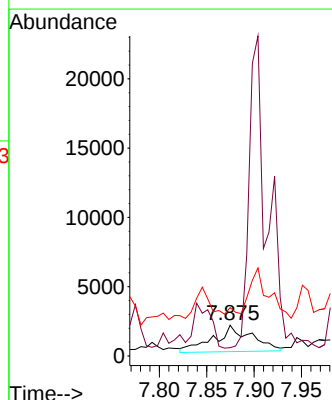
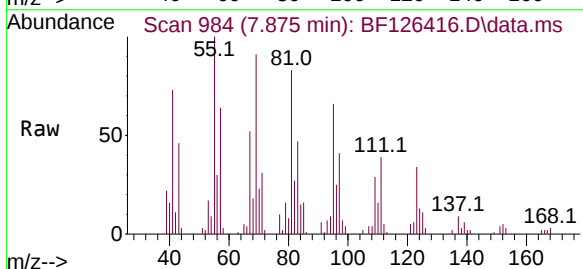
Tgt Ion:122 Resp: 5354

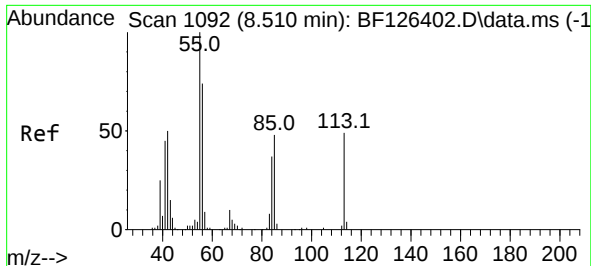
Ion Ratio Lower Upper

122 100

105 27.3 101.0 141.0#

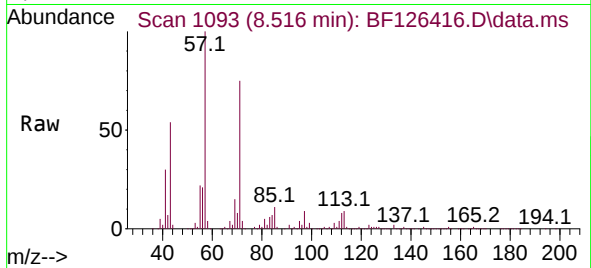
77 157.7 74.5 114.5#



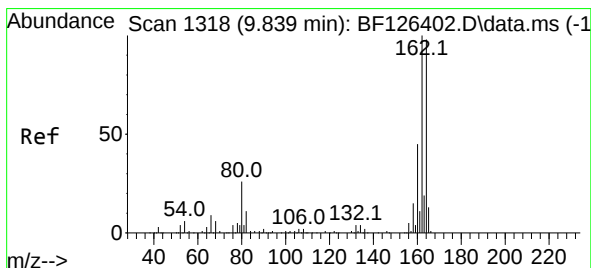
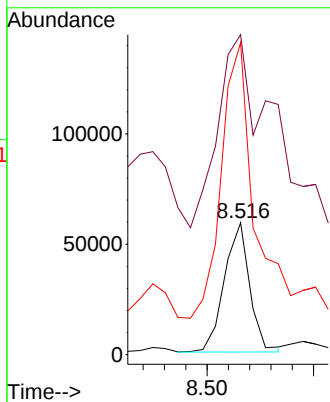
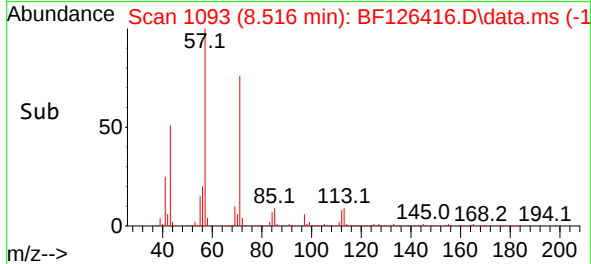


#35
 Caprolactam
 Concen: 24.225 ng
 RT: 8.516 min Scan# 1093
 Delta R.T. 0.006 min
 Lab File: BF126416.D
 Acq: 30 Dec 2021 13:11

Instrument :
 BNA_F
 ClientSampleId :

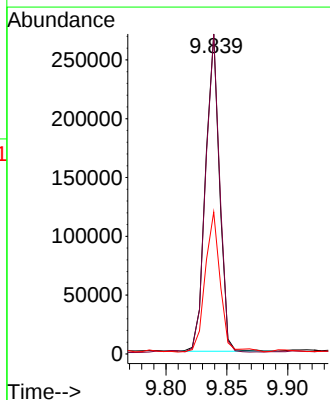
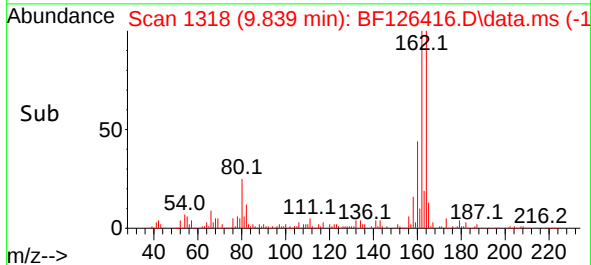
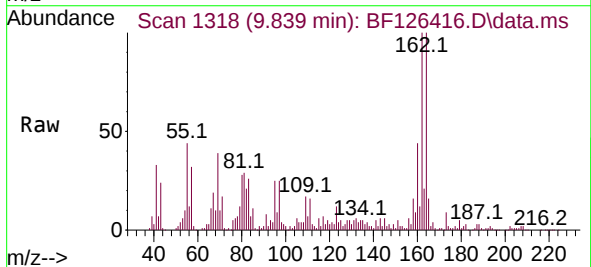


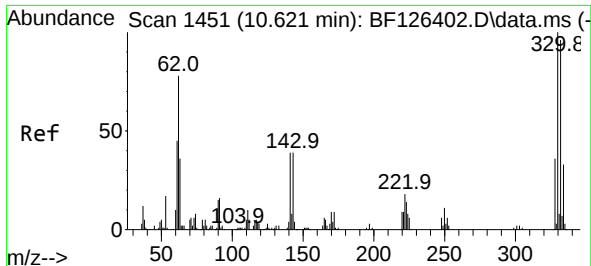
Tgt Ion:113 Resp: 48741
 Ion Ratio Lower Upper
 113 100
 55 242.3 183.9 223.9#
 56 236.4 129.9 169.9#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.839 min Scan# 1318
 Delta R.T. -0.000 min
 Lab File: BF126416.D
 Acq: 30 Dec 2021 13:11

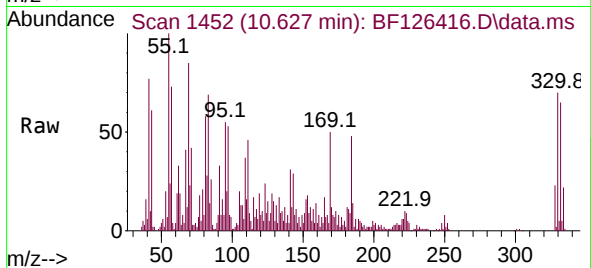
Tgt Ion:164 Resp: 215555
 Ion Ratio Lower Upper
 164 100
 162 99.9 81.4 122.0
 160 44.3 36.6 54.8



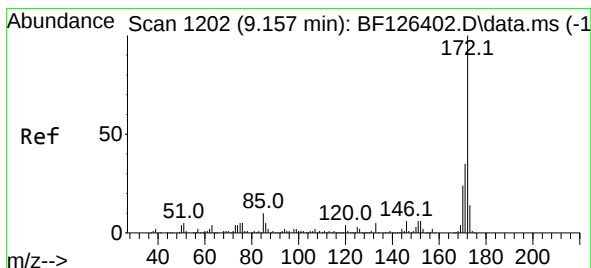
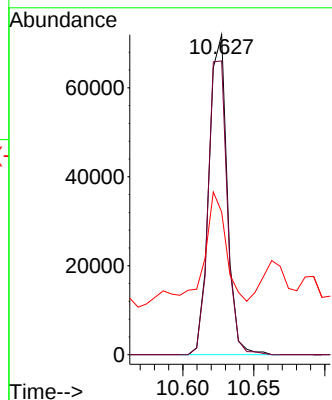
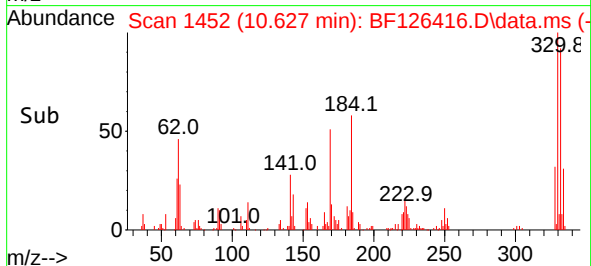


#42
2,4,6-Tribromophenol
Concen: 38.645 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

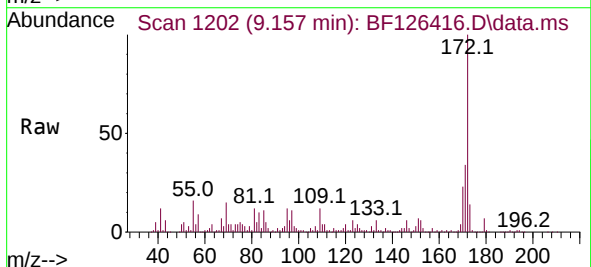
Instrument :
BNA_F
ClientSampleId :



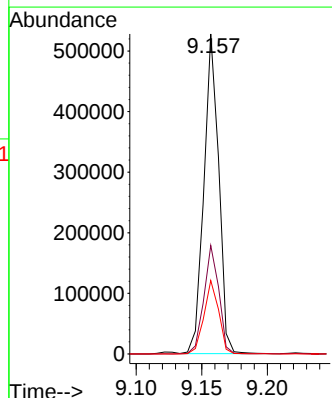
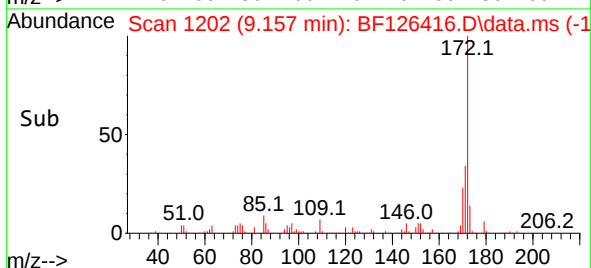
Tgt Ion:330 Resp: 64370
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 49.5 30.1 45.1#

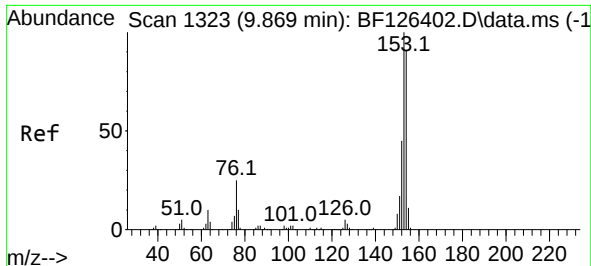


#45
2-Fluorobiphenyl
Concen: 33.911 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11



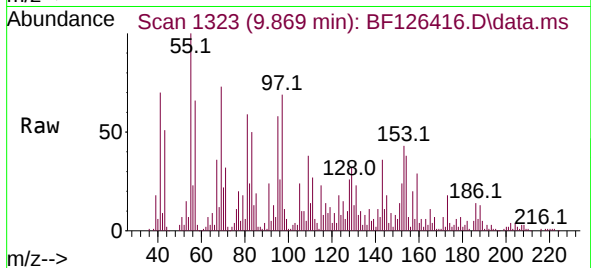
Tgt Ion:172 Resp: 415387
Ion Ratio Lower Upper
172 100
171 33.9 28.3 42.5
170 22.9 19.0 28.6



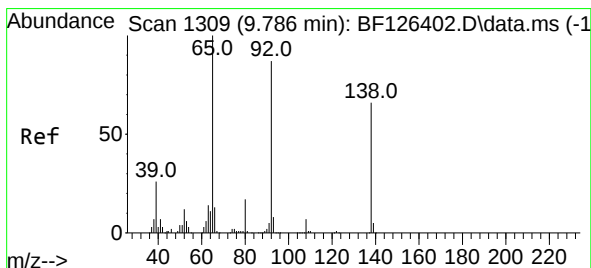
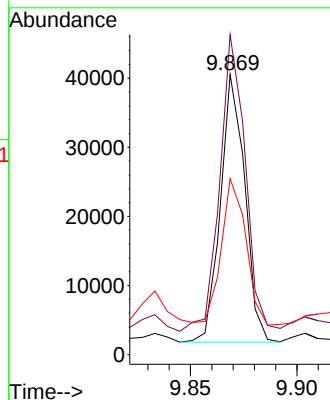
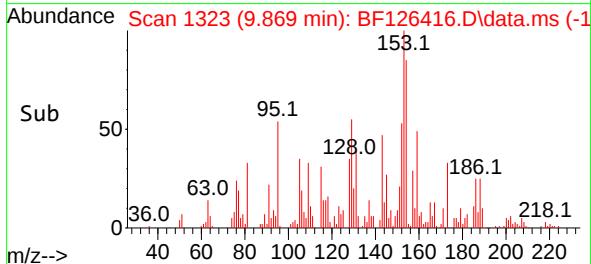


#52
Acenaphthene
Concen: 2.586 ng
RT: 9.869 min Scan# 1310
Delta R.T. -0.000 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

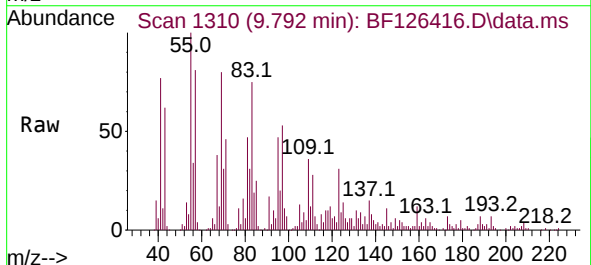
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BNA_F
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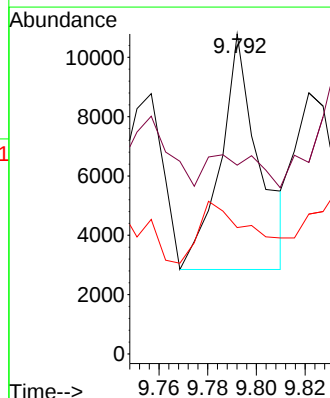
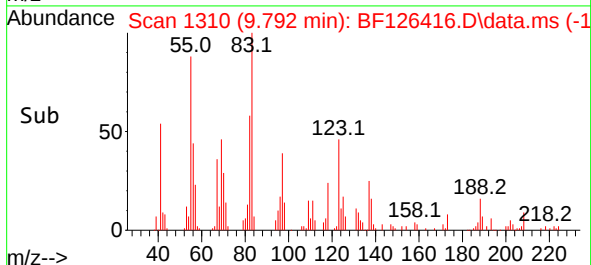
Tgt Ion:154 Resp: 30795
Ion Ratio Lower Upper
154 100
153 114.3 87.8 131.6
152 62.9 39.4 59.2#

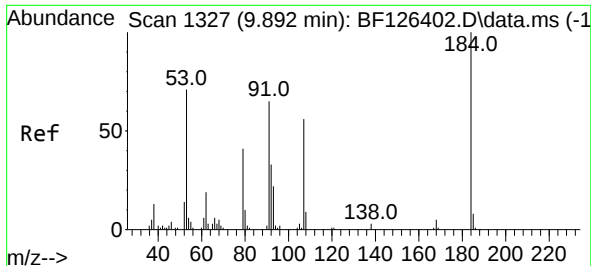


#53
3-Nitroaniline
Concen: 2.176 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.006 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11



Tgt Ion:138 Resp: 8670
Ion Ratio Lower Upper
138 100
108 59.0 8.6 13.0#
92 39.5 105.0 157.6#

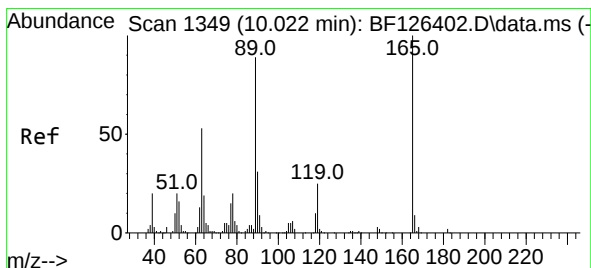
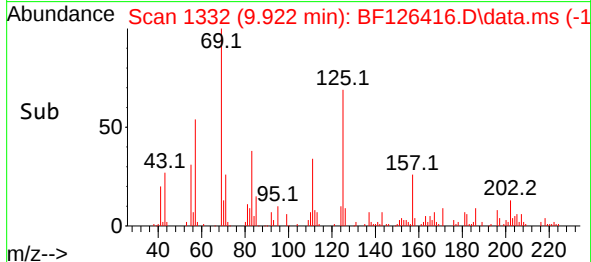
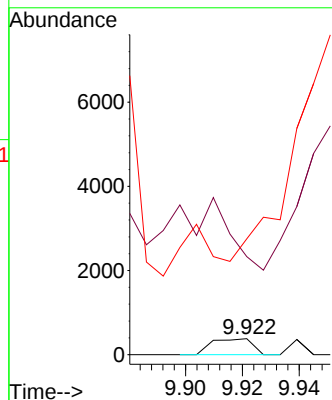
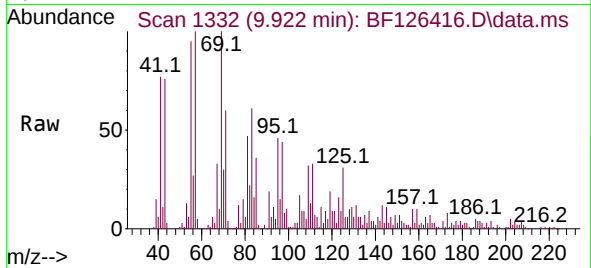




#54
2,4-Dinitrophenol
Concen: 4.244 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.030 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

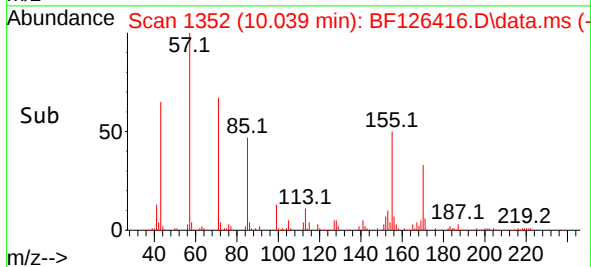
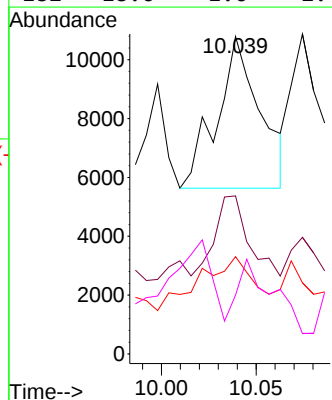
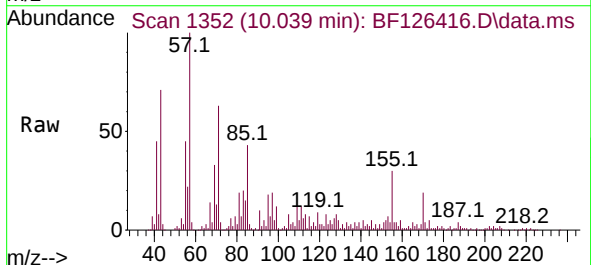
Instrument :
BNA_F
ClientSampleId :

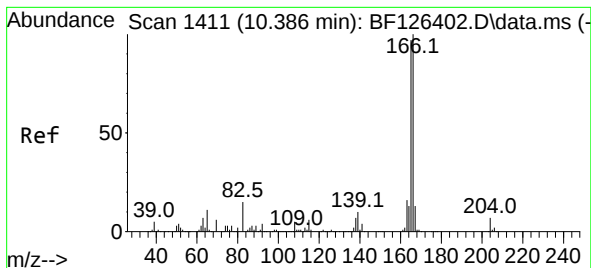
Tgt Ion:184 Resp: 377
Ion Ratio Lower Upper
184 100
63 614.5 70.4 105.6#
154 726.6 49.7 74.5#



#57
2,4-Dinitrotoluene
Concen: 2.173 ng
RT: 10.039 min Scan# 1352
Delta R.T. 0.018 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

Tgt Ion:165 Resp: 8146
Ion Ratio Lower Upper
165 100
63 49.8 43.0 64.6
89 30.6 71.0 106.4#
182 18.6 1.6 2.4#





#58

Fluorene

Concen: 2.211 ng

RT: 10.386 min Scan# 1411

Delta R.T. -0.000 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

Instrument :

BNA_F

ClientSampleId :

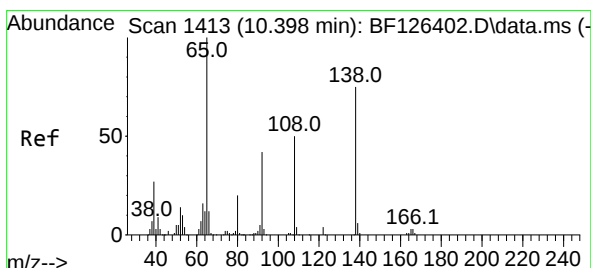
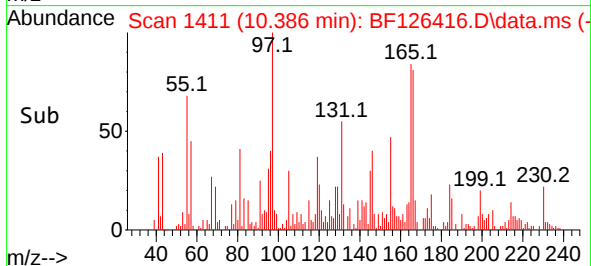
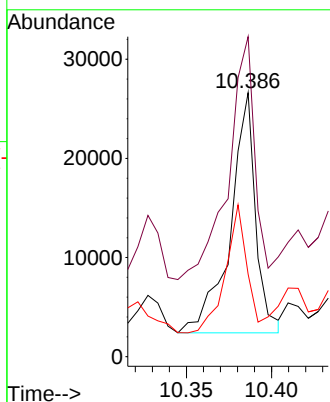
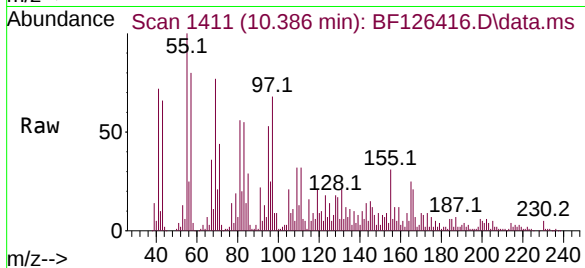
Tgt Ion:166 Resp: 25164

Ion Ratio Lower Upper

166 100

165 121.2 77.7 116.5#

167 31.3 10.7 16.1#



#62

4-Nitroaniline

Concen: 2.564 ng

RT: 10.304 min Scan# 1397

Delta R.T. -0.094 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

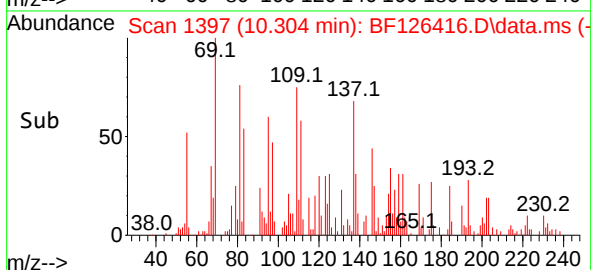
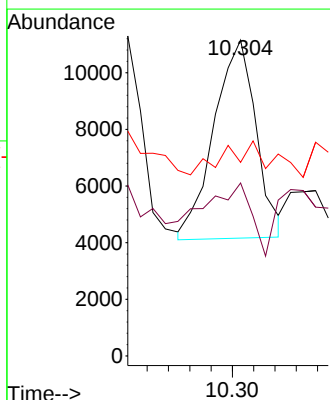
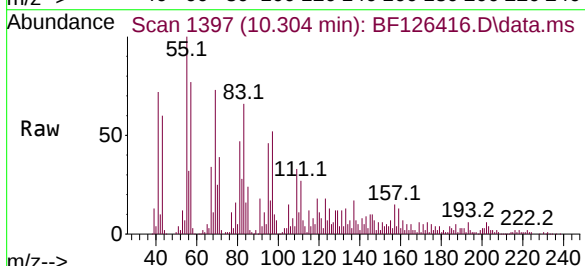
Tgt Ion:138 Resp: 9623

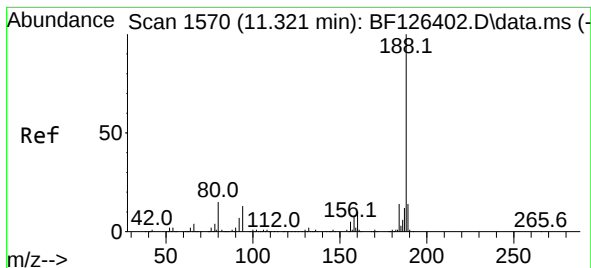
Ion Ratio Lower Upper

138 100

92 54.7 36.2 76.2

108 61.3 46.7 86.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

Instrument :

BNA_F

ClientSampleId :

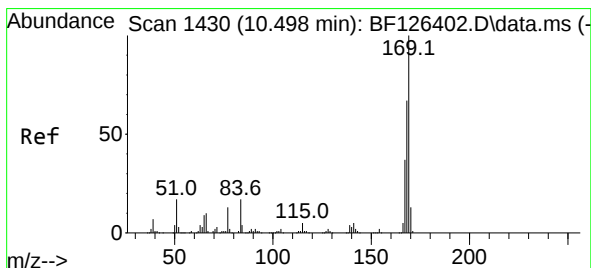
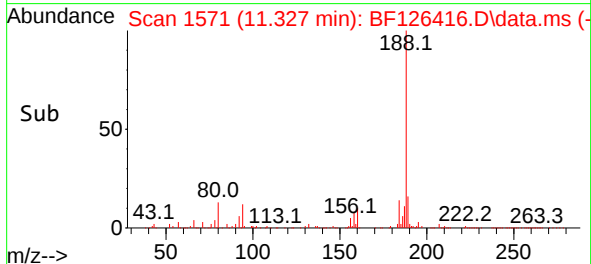
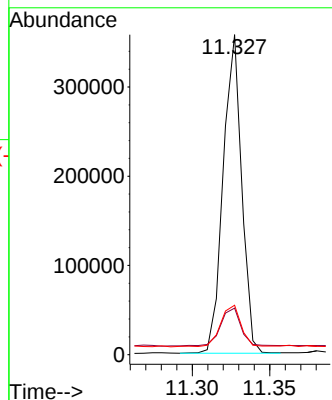
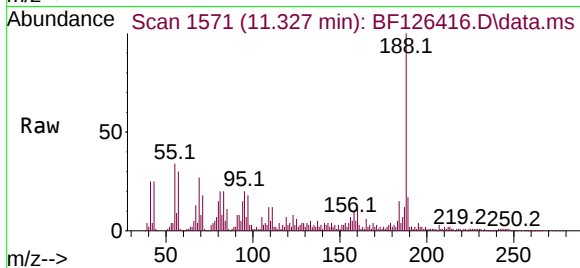
Tgt Ion:188 Resp: 296043

Ion Ratio Lower Upper

188 100

94 14.6 10.1 15.1

80 15.5 11.8 17.6



#66

n-Nitrosodiphenylamine

Concen: 9.059 ng

RT: 10.498 min Scan# 1430

Delta R.T. -0.000 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

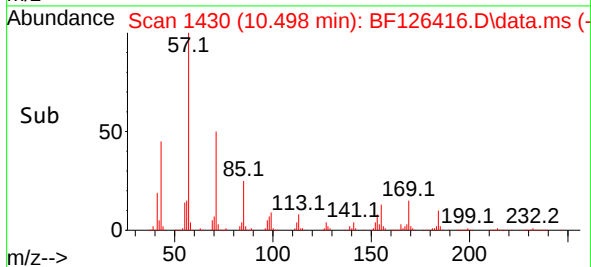
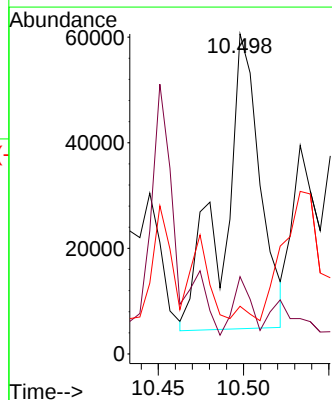
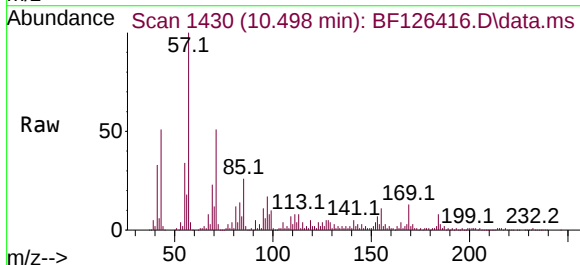
Tgt Ion:169 Resp: 83204

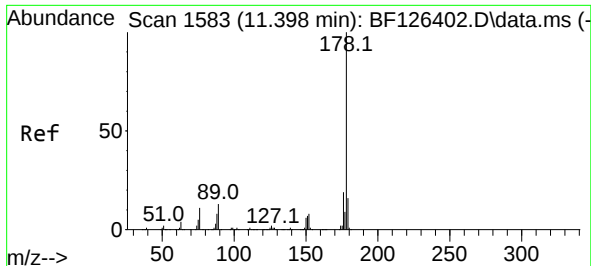
Ion Ratio Lower Upper

169 100

168 24.2 53.4 80.0#

167 14.9 29.4 44.0#

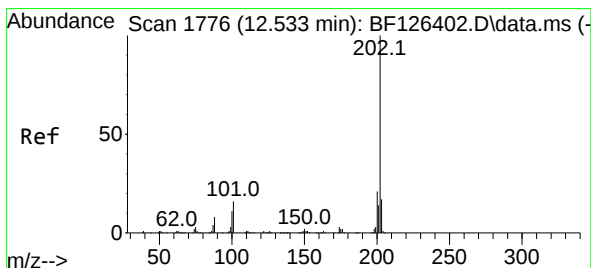
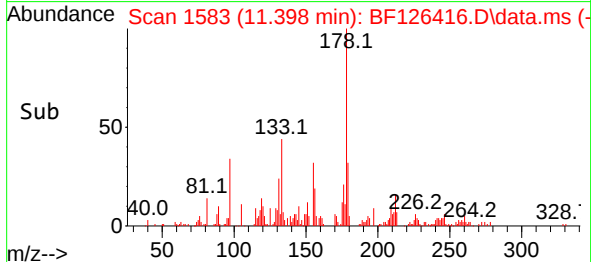
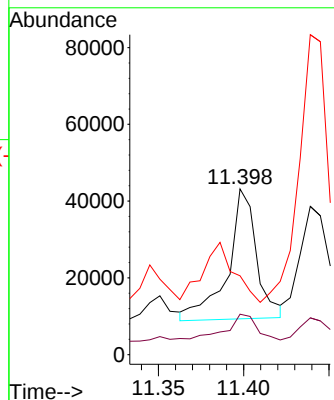
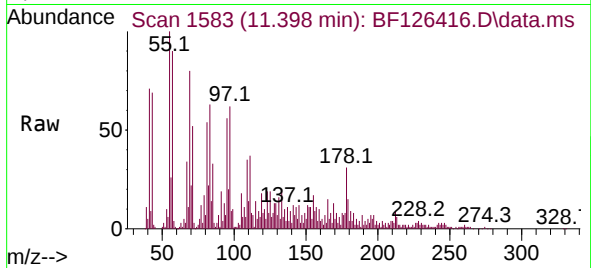




#72
 Anthracene
 Concen: 2.619 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF126416.D
 Acq: 30 Dec 2021 13:11

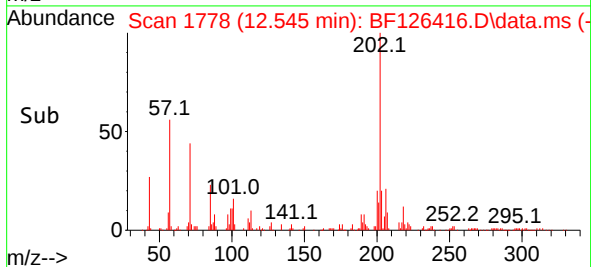
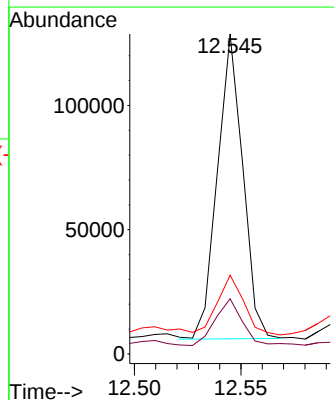
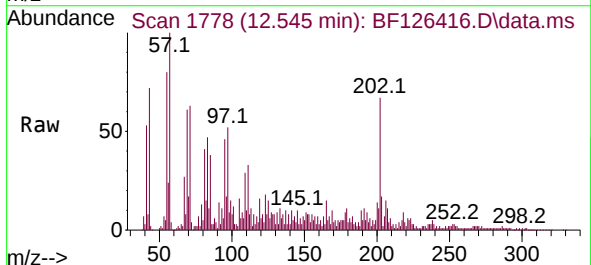
Instrument :
 BNA_F
 ClientSampleId :

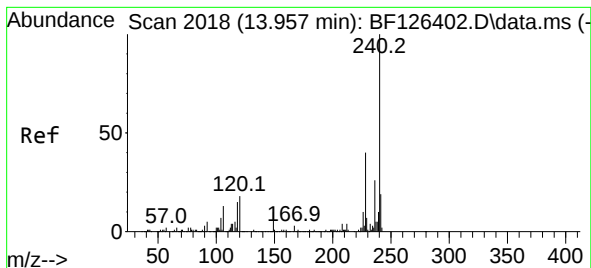
Tgt Ion:178 Resp: 39670
 Ion Ratio Lower Upper
 178 100
 176 24.4 15.0 22.6#
 179 47.6 12.5 18.7#



#75
 Fluoranthene
 Concen: 7.356 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. 0.012 min
 Lab File: BF126416.D
 Acq: 30 Dec 2021 13:11

Tgt Ion:202 Resp: 101614
 Ion Ratio Lower Upper
 202 100
 101 17.3 0.0 35.7
 203 24.6 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2018

Delta R.T. 0.018 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

Instrument :

BNA_F

ClientSampleId :

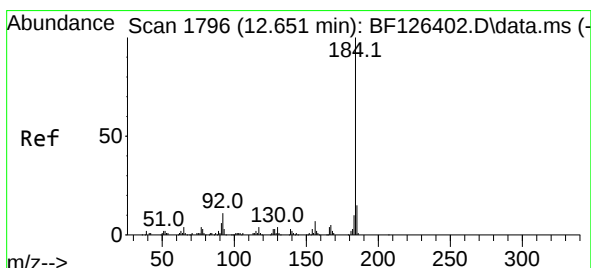
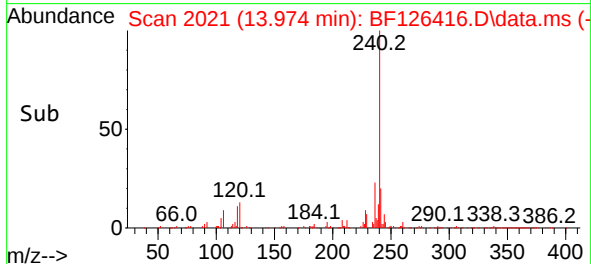
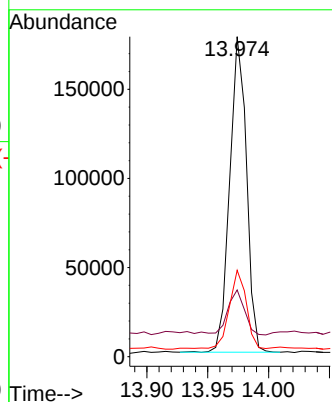
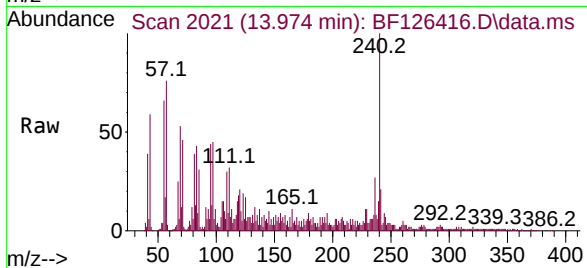
Tgt Ion:240 Resp: 169581

Ion Ratio Lower Upper

240 100

120 20.9 14.4 21.6

236 27.0 20.5 30.7



#77

Benzidine

Concen: Below Cal

RT: 12.651 min Scan# 1796

Delta R.T. -0.000 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

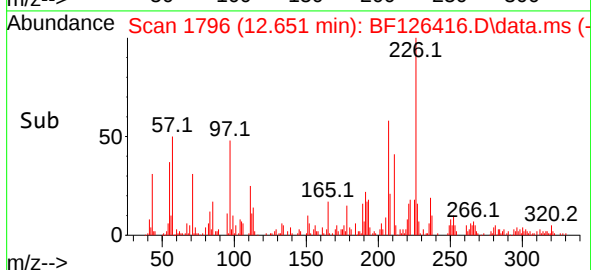
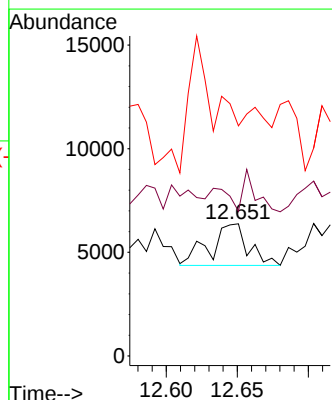
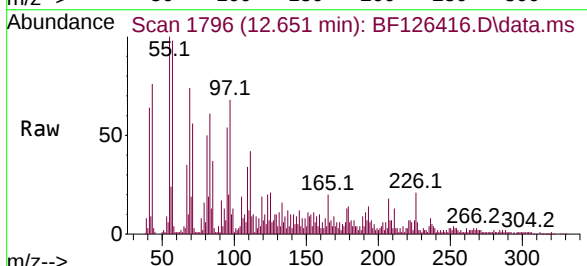
Tgt Ion:184 Resp: 3702

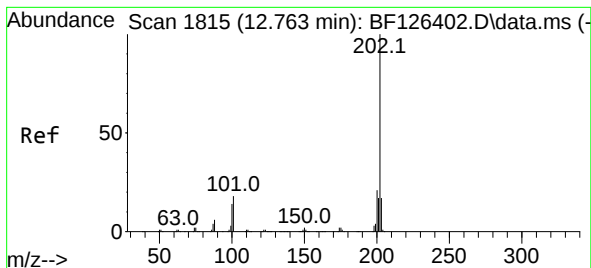
Ion Ratio Lower Upper

184 100

185 109.6 11.8 17.8#

183 174.0 8.2 12.2#





#78

Pyrene

Concen: 10.239 ng

RT: 12.774 min Scan# 1815

Delta R.T. 0.012 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

Instrument :

BNA_F

ClientSampleId :

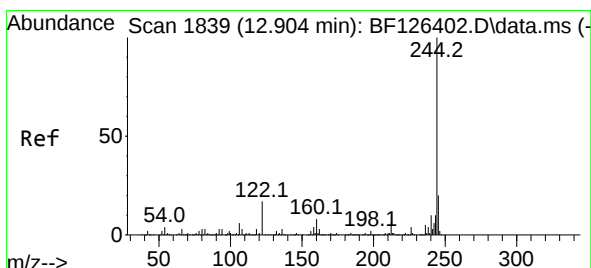
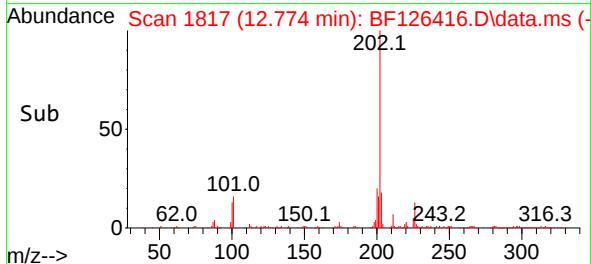
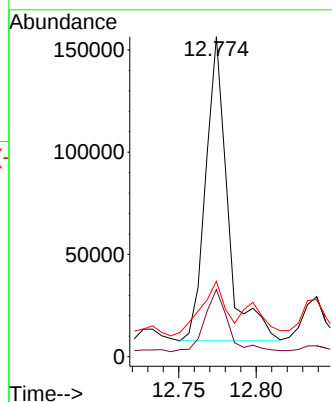
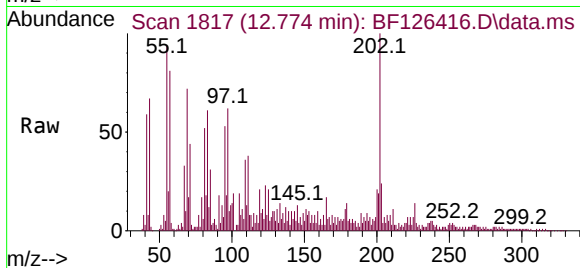
Tgt Ion:202 Resp: 146735

Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

203 23.6 13.8 20.8#



#79

Terphenyl-d14

Concen: 27.366 ng

RT: 12.915 min Scan# 1841

Delta R.T. 0.012 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

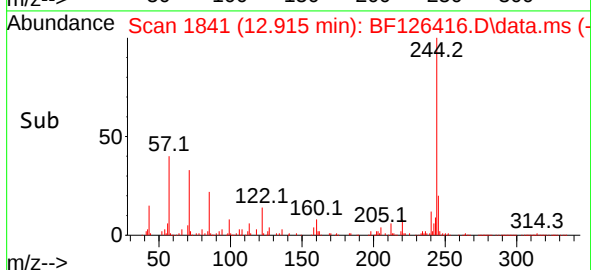
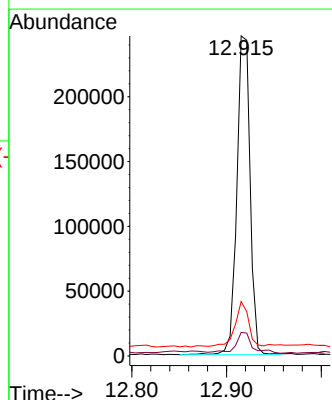
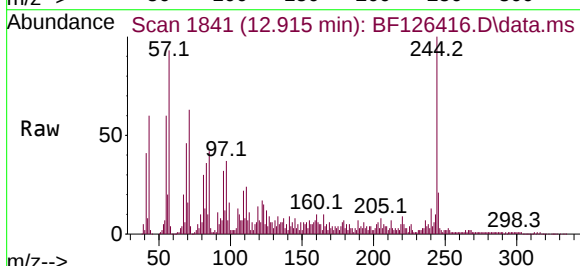
Tgt Ion:244 Resp: 238856

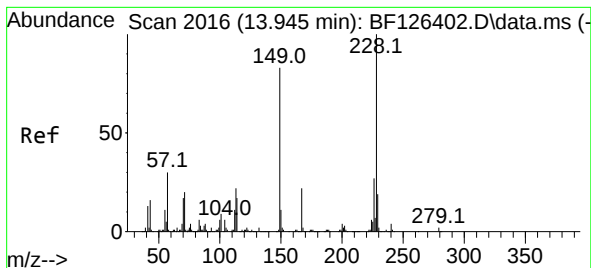
Ion Ratio Lower Upper

244 100

212 7.4 5.0 7.4

122 17.0 13.3 19.9





#81

Benzo(a)anthracene

Concen: 3.988 ng

RT: 13.962 min Scan# 2016

Delta R.T. 0.018 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

Instrument :

BNA_F

ClientSampleId :

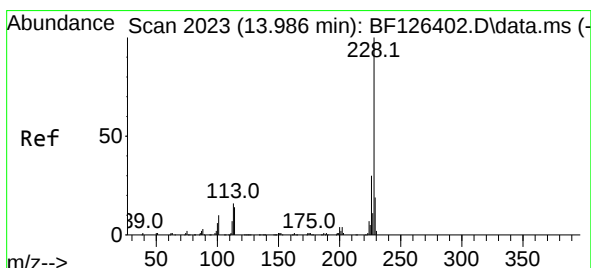
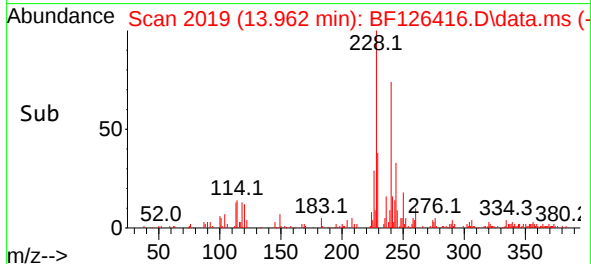
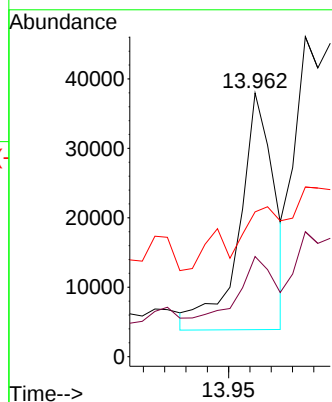
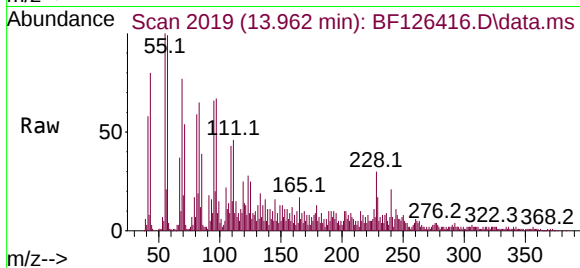
Tgt Ion:228 Resp: 38888

Ion Ratio Lower Upper

228 100

226 38.0 21.4 32.0#

229 54.9 15.4 23.2#



#83

Chrysene

Concen: 6.943 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.000 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

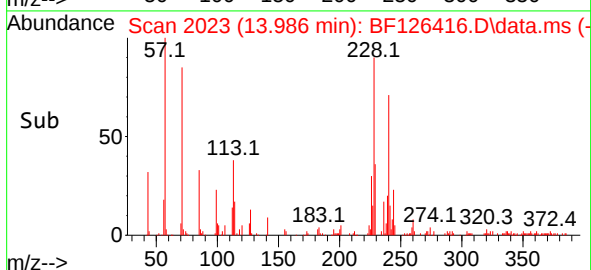
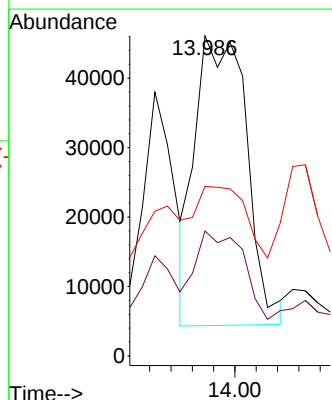
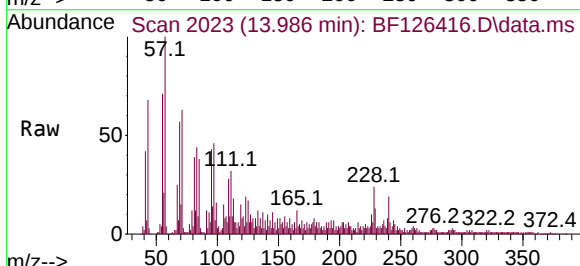
Tgt Ion:228 Resp: 69453

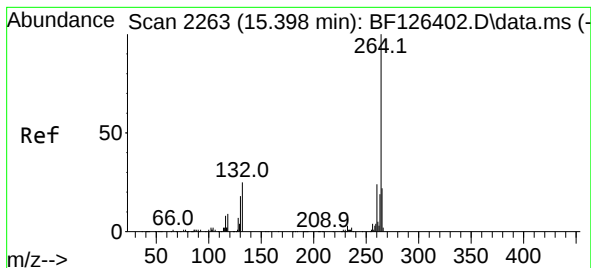
Ion Ratio Lower Upper

228 100

226 39.0 23.7 35.5#

229 53.0 15.5 23.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2196

Delta R.T. 0.029 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

Instrument :

BNA_F

ClientSampleId :

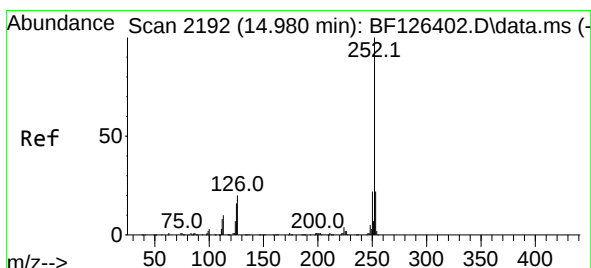
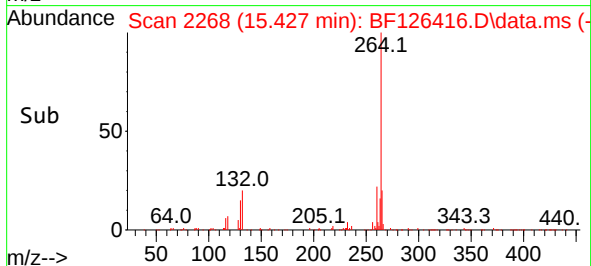
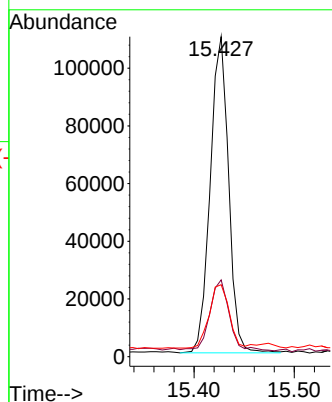
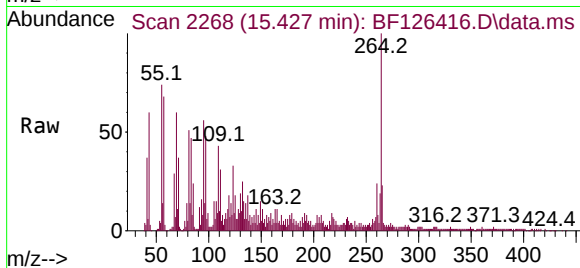
Tgt Ion:264 Resp: 139984

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.5 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 4.331 ng

RT: 15.004 min Scan# 2196

Delta R.T. 0.024 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

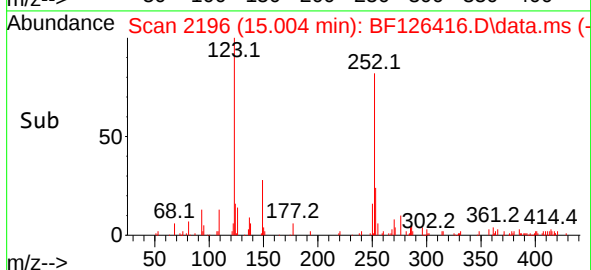
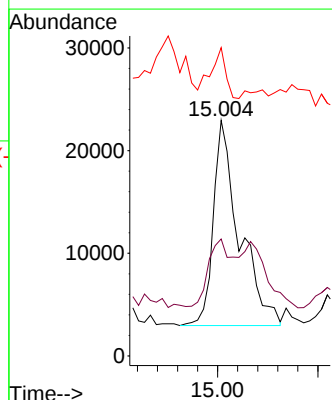
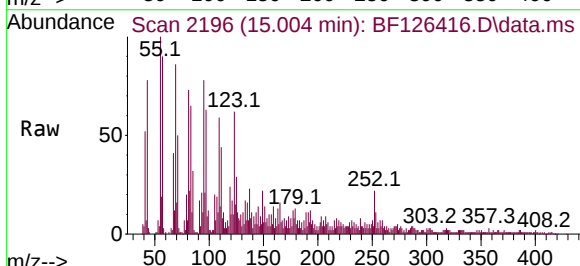
Tgt Ion:252 Resp: 36120

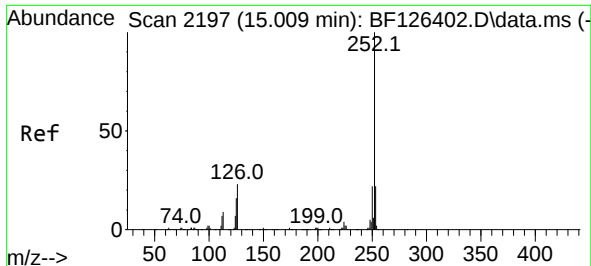
Ion Ratio Lower Upper

252 100

253 49.6 17.8 26.8#

125 130.9 12.4 18.6#

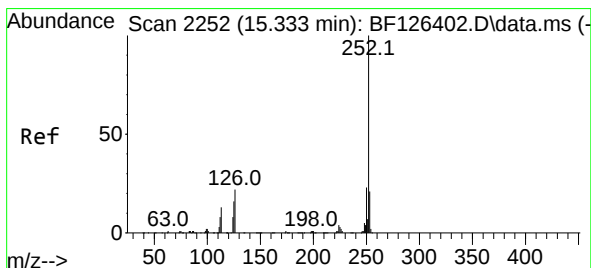
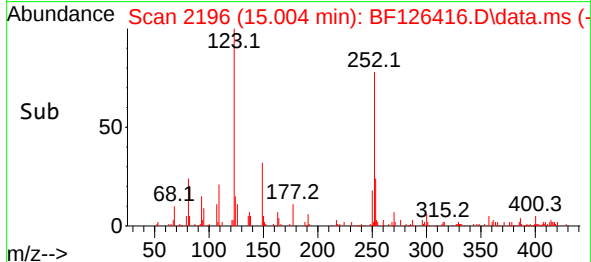
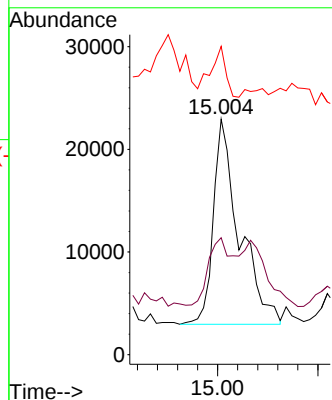
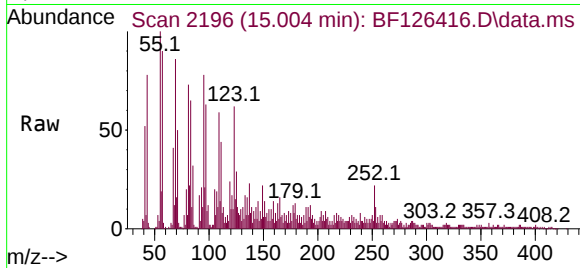




#89
Benzo(k)fluoranthene
Concen: 4.471 ng
RT: 15.004 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 36120
Ion Ratio Lower Upper
252 100
253 49.6 17.5 26.3#
125 130.9 11.8 17.6#



#90
Benzo(a)pyrene
Concen: 2.939 ng
RT: 15.362 min Scan# 2257
Delta R.T. 0.029 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

Tgt Ion:252 Resp: 20548
Ion Ratio Lower Upper
252 100
253 40.4 17.1 25.7#
125 131.5 13.0 19.6#

