

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
 Data File : BF126418.D
 Acq On : 30 Dec 2021 14:15
 Operator : JU/CG
 Sample : M5239-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2-123-1-0-5

Quant Time: Dec 30 14:41:19 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)

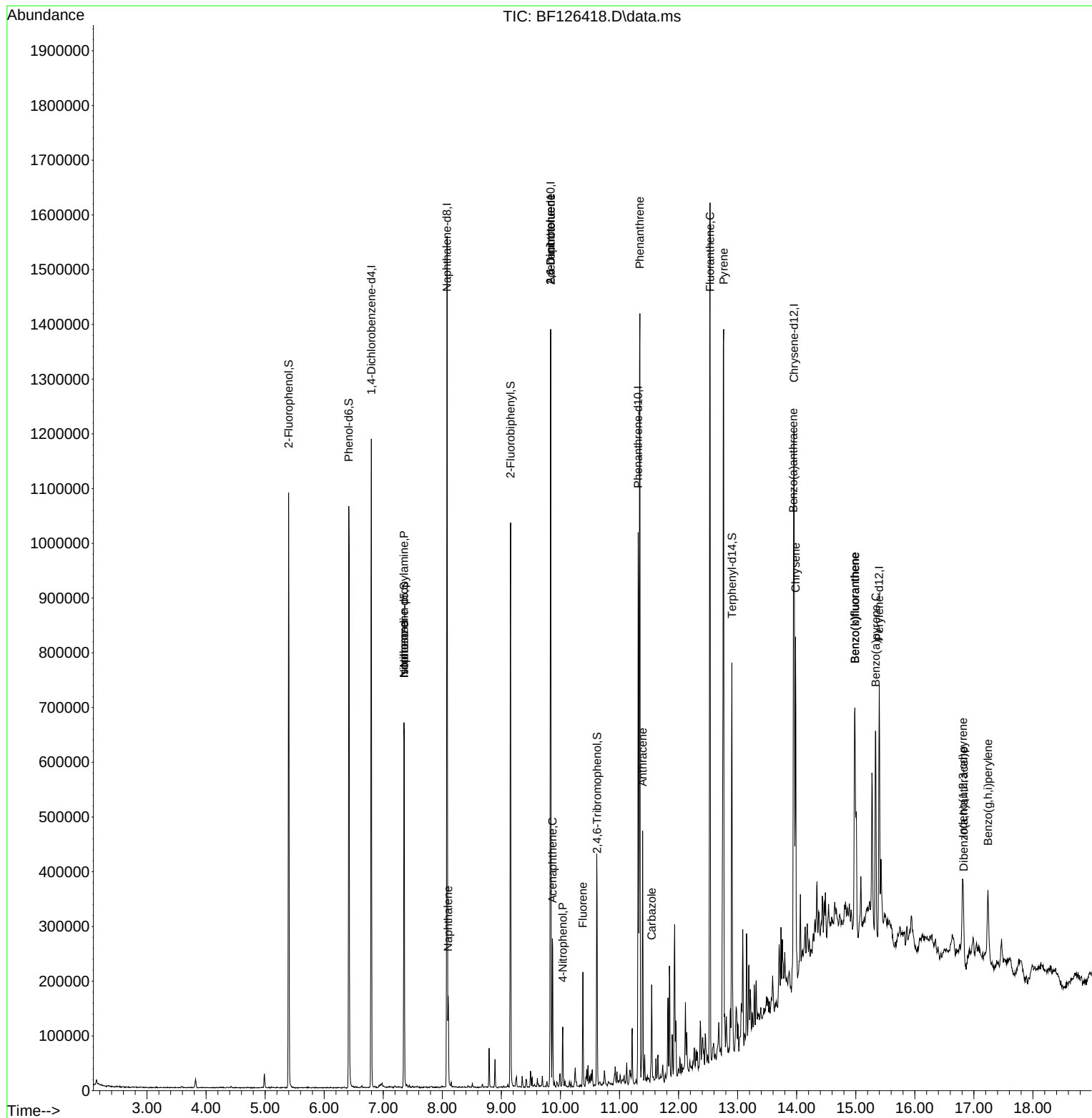
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	156922	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	627029	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	249184	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	350333	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	232149	20.000	ng	0.00
86) Perylene-d12	15.398	264	185005	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	290845	26.616	ng	0.00
7) Phenol-d6	6.416	99	370562	26.182	ng	-0.01
23) Nitrobenzene-d5	7.351	82	221293	18.121	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	38756	20.127	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	292138	20.631	ng	0.00
79) Terphenyl-d14	12.904	244	199712	16.715	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	27319	3.383	ng	# 83
25) Isophorone	7.351	82	220958	10.107	ng	# 69
31) Naphthalene	8.098	128	66355	2.242	ng	98
51) 2,6-Dinitrotoluene	9.833	165	32630	9.713	ng	# 21
52) Acenaphthene	9.869	154	56161	4.080	ng	99
56) 4-Nitrophenol	10.039	139	13025	3.976	ng	# 6
57) 2,4-Dinitrotoluene	9.833	165	32630	7.528	ng	# 15
58) Fluorene	10.380	166	48413	3.680	ng	98
71) Phenanthrene	11.345	178	506653	28.288	ng	99
72) Anthracene	11.392	178	146149	8.155	ng	99
73) Carbazole	11.545	167	57426	3.272	ng	99
75) Fluoranthene	12.533	202	563888	34.495	ng	99
77) Benzidine	12.904	184	2623	Below Cal		# 87
78) Pyrene	12.763	202	543348	27.695	ng	100
81) Benzo(a)anthracene	13.945	228	251812	18.861	ng	98
83) Chrysene	13.980	228	220746	16.119	ng	97
87) Indeno(1,2,3-cd)pyrene	16.815	276	90676	7.324	ng	96
88) Benzo(b)fluoranthene	14.986	252	308268	27.971	ng	97
89) Benzo(k)fluoranthene	14.986	252	308268	28.874	ng	# 96
90) Benzo(a)pyrene	15.339	252	172474	18.664	ng	98
91) Dibenzo(a,h)anthracene	16.827	278	22359	2.238	ng	# 86
92) Benzo(g,h,i)perylene	17.239	276	83751	7.872	ng	93

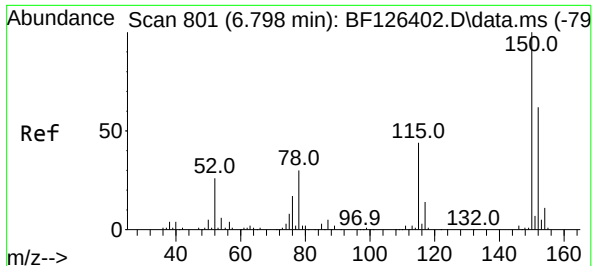
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 30 14:41:19 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

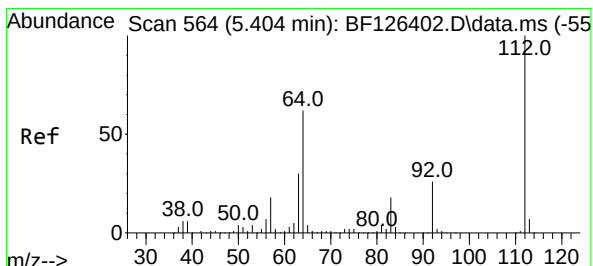
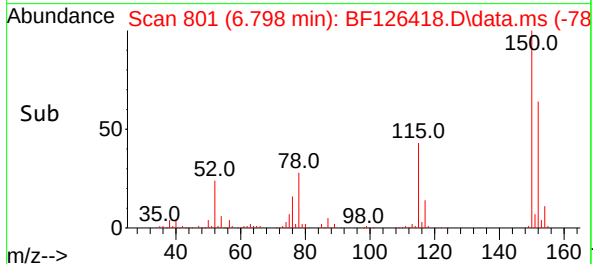
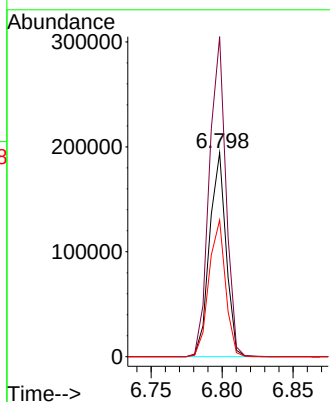
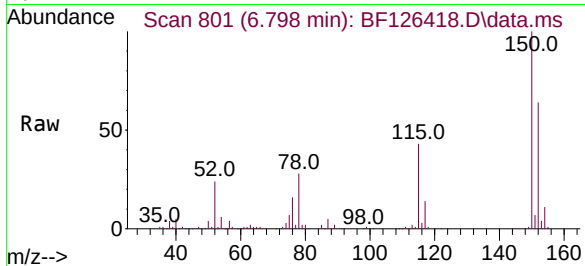




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

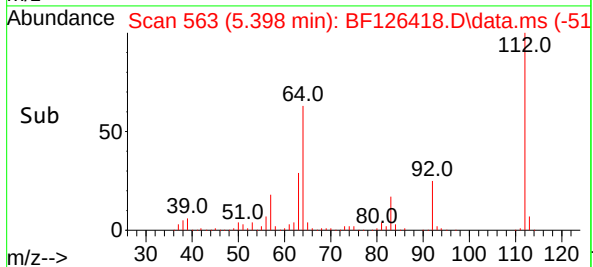
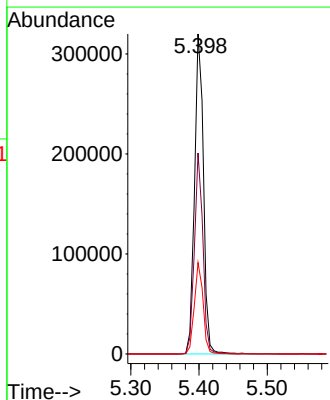
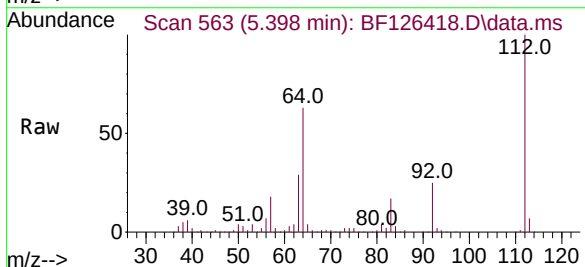
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-0-5

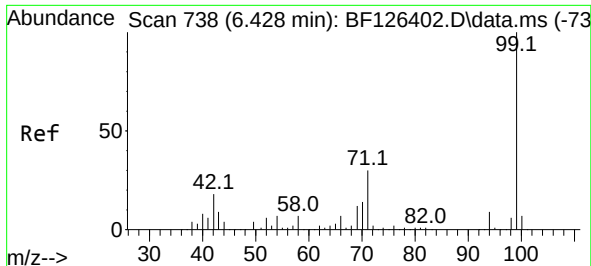
Tgt Ion:152 Resp: 156922
Ion Ratio Lower Upper
152 100
150 156.9 128.1 192.1
115 67.0 56.7 85.1



#5
2-Fluorophenol
Concen: 26.616 ng
RT: 5.398 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Tgt Ion:112 Resp: 290845
Ion Ratio Lower Upper
112 100
64 62.8 49.5 74.3
63 28.5 23.9 35.9

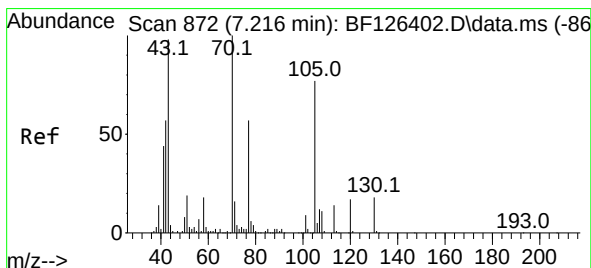
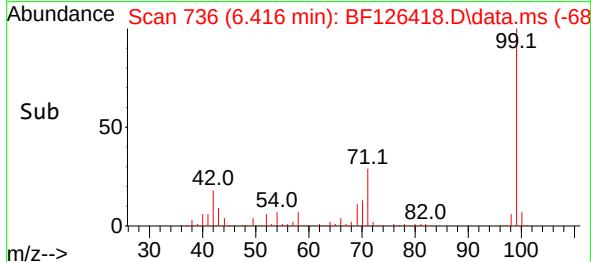
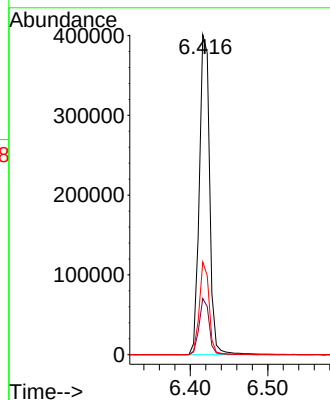
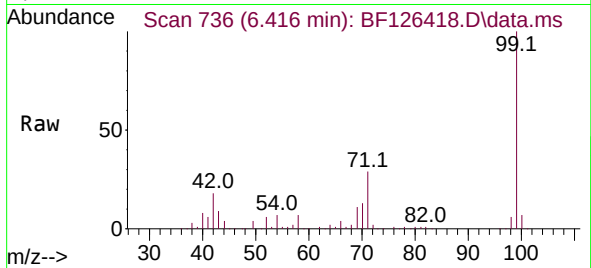




#7
Phenol-d6
Concen: 26.182 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

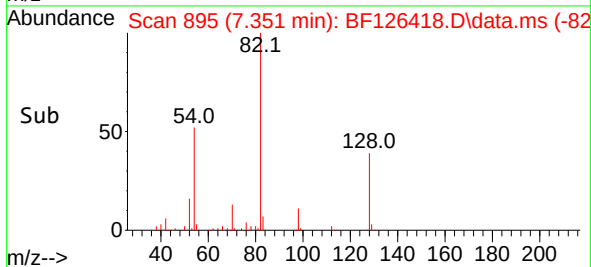
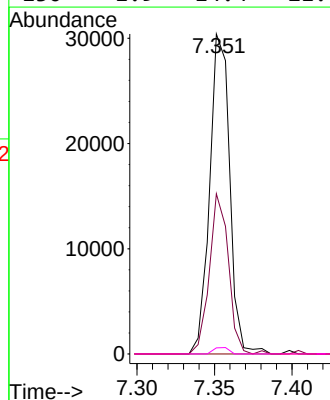
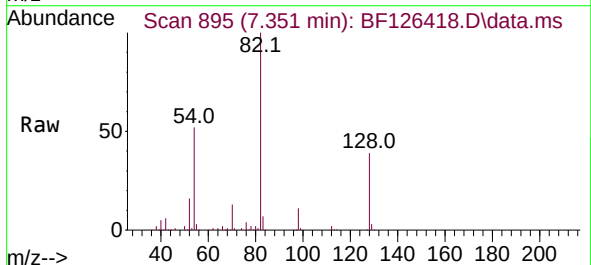
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-0-5

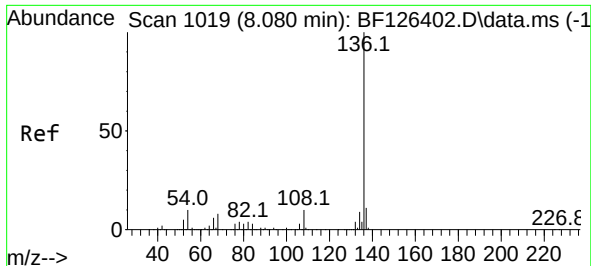
Tgt Ion: 99 Resp: 370562
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.4
71 29.0 24.3 36.5



#19
n-Nitroso-di-n-propylamine
Concen: 3.383 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Tgt Ion: 70 Resp: 27319
Ion Ratio Lower Upper
70 100
42 50.1 45.8 68.8
101 0.0 6.9 10.3#
130 1.9 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-0-5

Tgt Ion:136 Resp: 627029

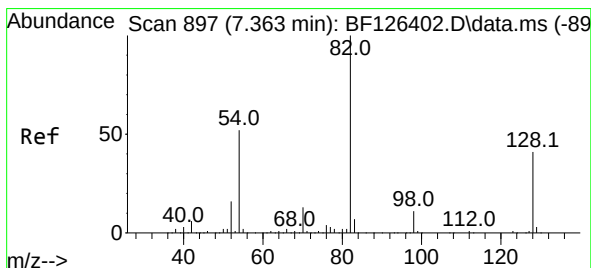
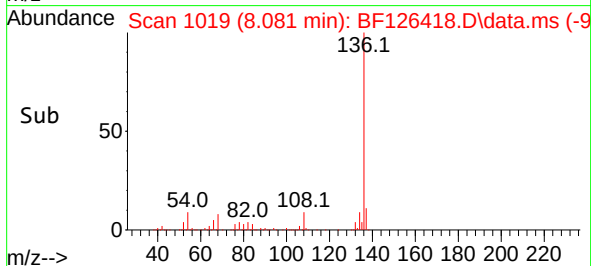
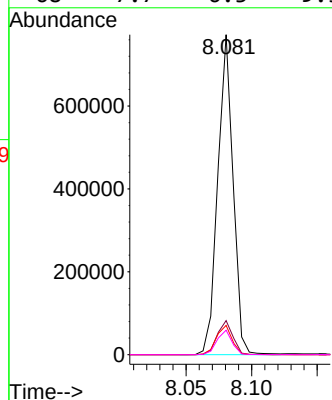
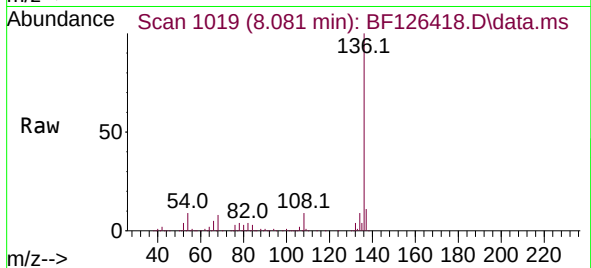
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.2 7.8 11.6

68 7.7 6.3 9.5



#23

Nitrobenzene-d5

Concen: 18.121 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

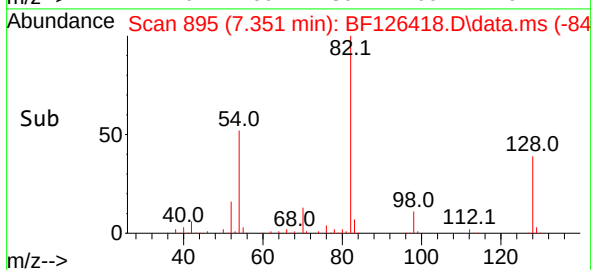
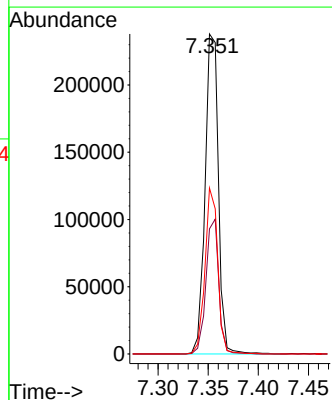
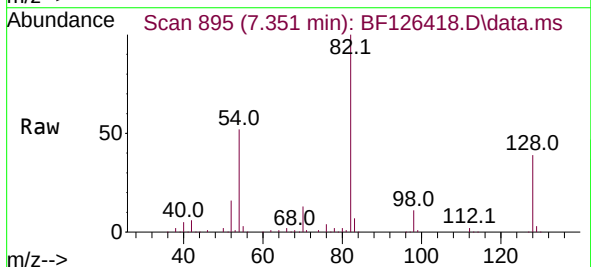
Tgt Ion: 82 Resp: 221293

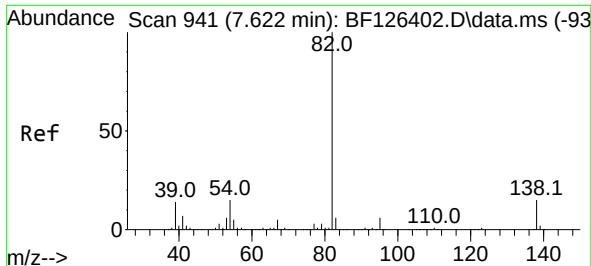
Ion Ratio Lower Upper

82 100

128 39.1 32.7 49.1

54 51.8 41.7 62.5

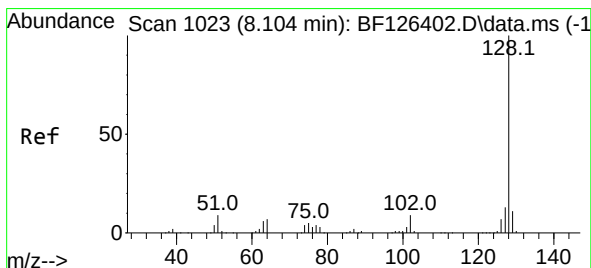
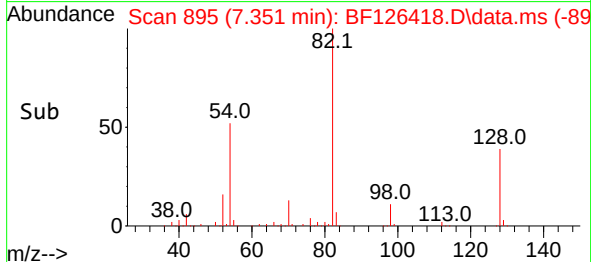
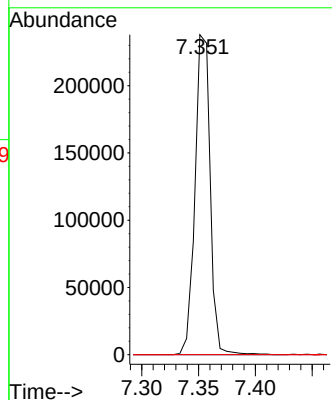
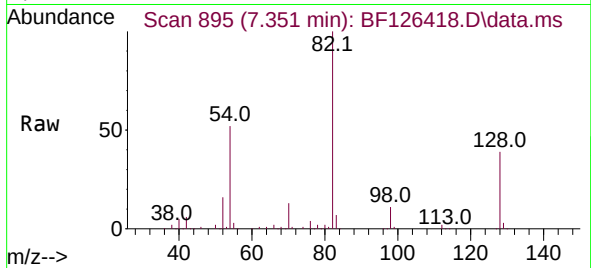




#25
Isophorone
Concen: 10.107 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

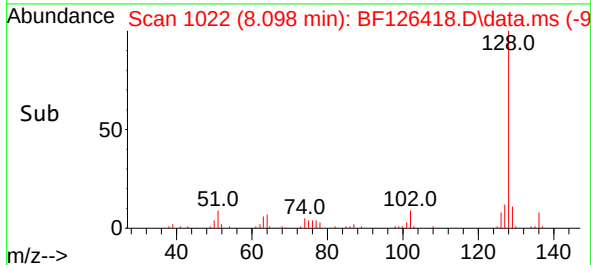
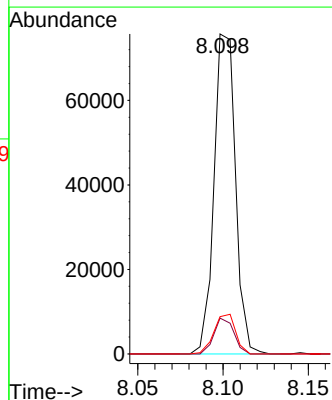
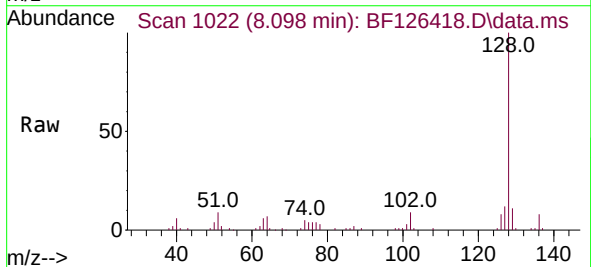
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-0-5

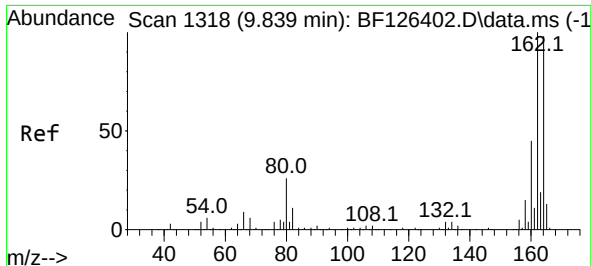
Tgt Ion: 82 Resp: 220958
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#31
Naphthalene
Concen: 2.242 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Tgt Ion: 128 Resp: 66355
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 11.6 10.3 15.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-0-5

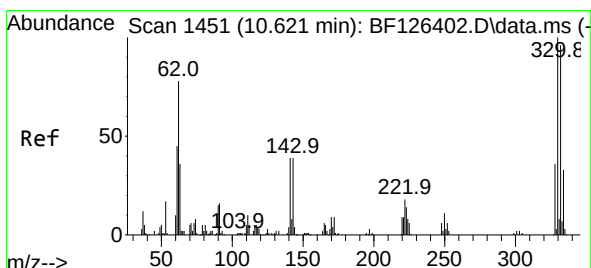
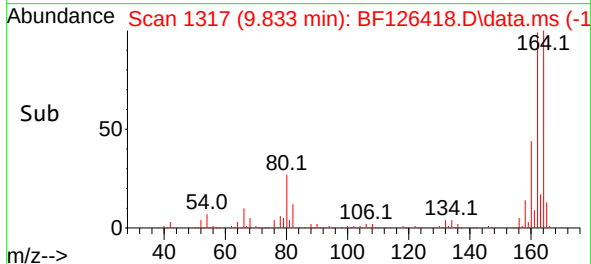
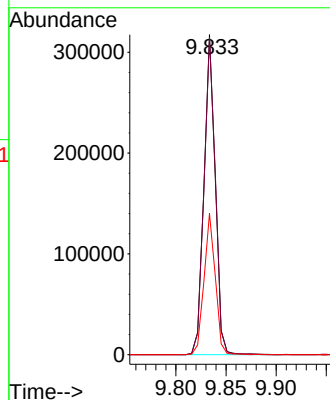
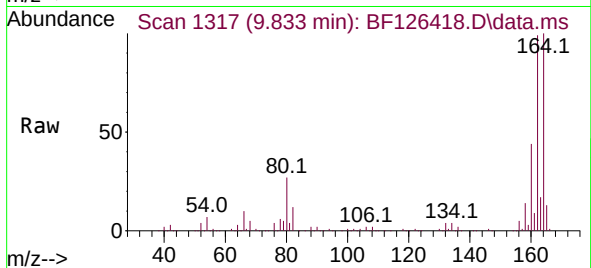
Tgt Ion:164 Resp: 249184

Ion Ratio Lower Upper

164 100

162 99.2 81.4 122.0

160 44.2 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 20.127 ng

RT: 10.622 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

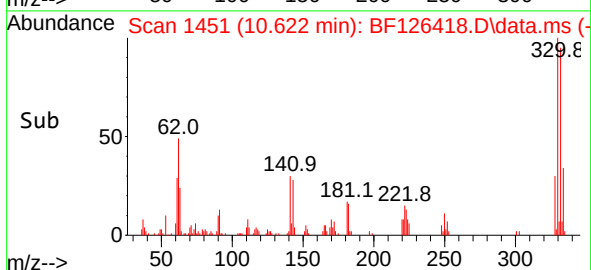
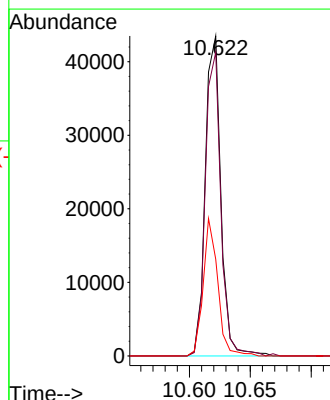
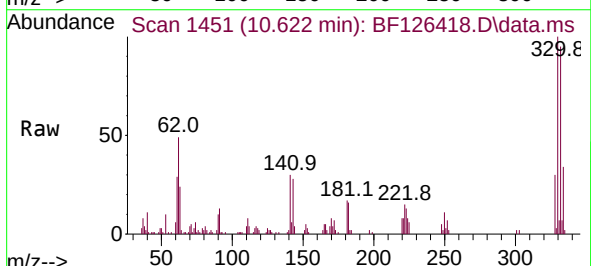
Tgt Ion:330 Resp: 38756

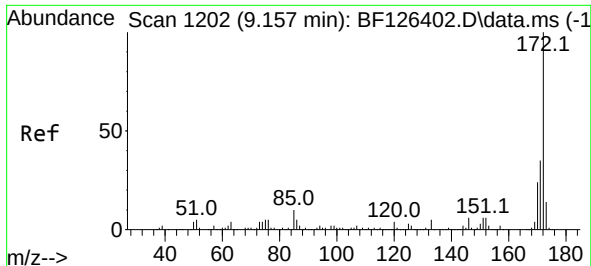
Ion Ratio Lower Upper

330 100

332 94.8 76.0 114.0

141 40.2 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 20.631 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-0-5

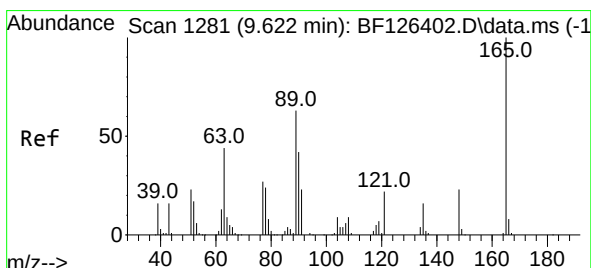
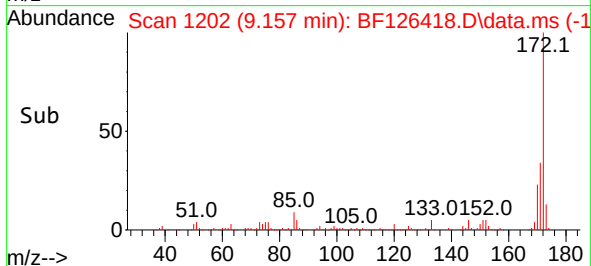
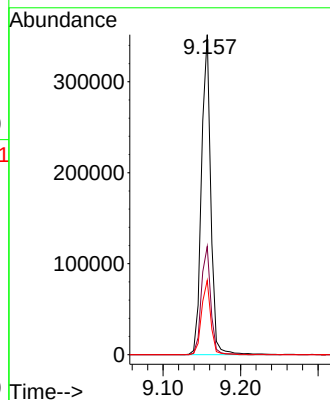
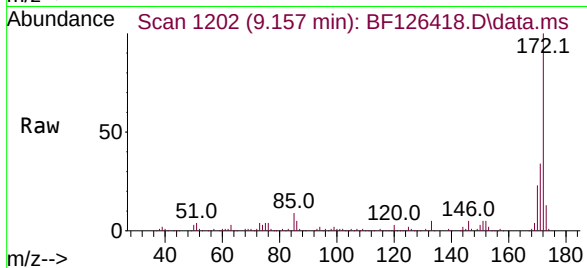
Tgt Ion:172 Resp: 292138

Ion Ratio Lower Upper

172 100

171 33.8 28.3 42.5

170 23.2 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.713 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.212 min

Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

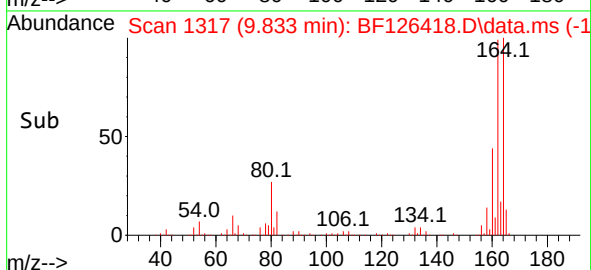
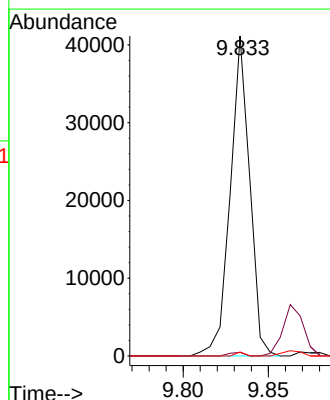
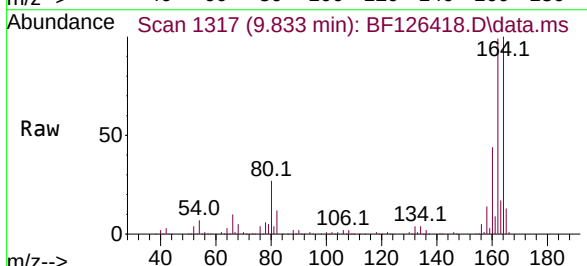
Tgt Ion:165 Resp: 32630

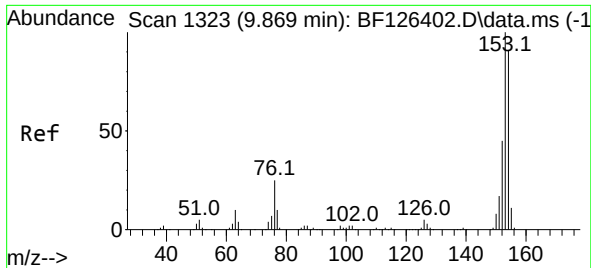
Ion Ratio Lower Upper

165 100

63 1.1 48.4 72.6#

89 1.2 50.5 75.7#

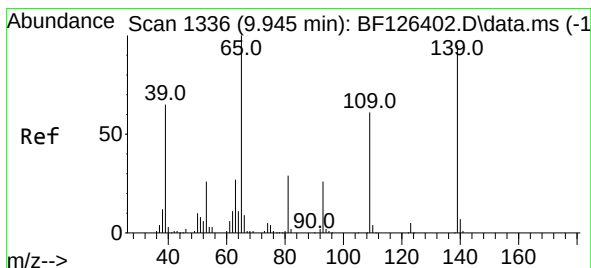
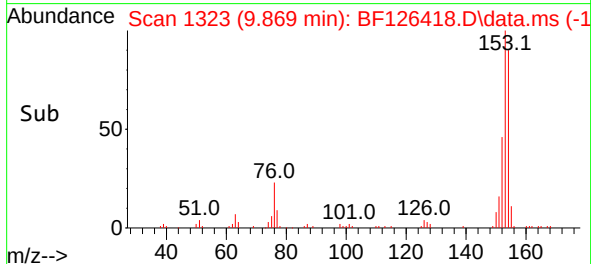
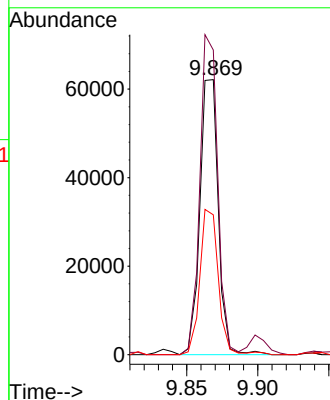
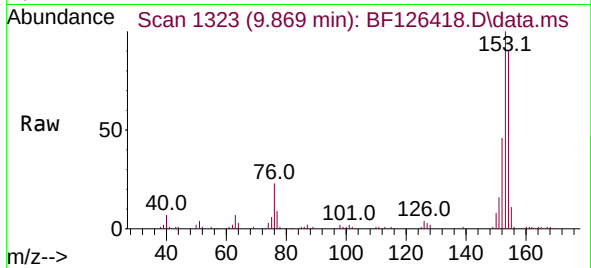




#52
Acenaphthene
Concen: 4.080 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

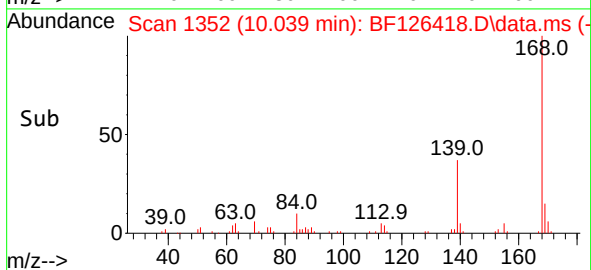
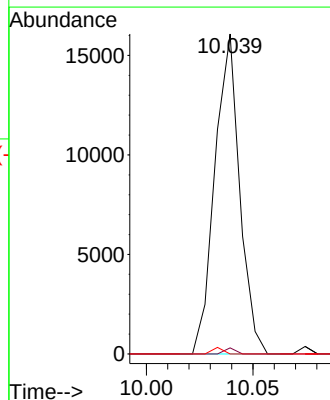
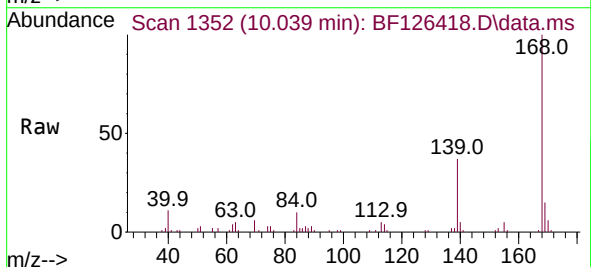
Instrument :
BNA_F
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SASP2-123-1-0-5

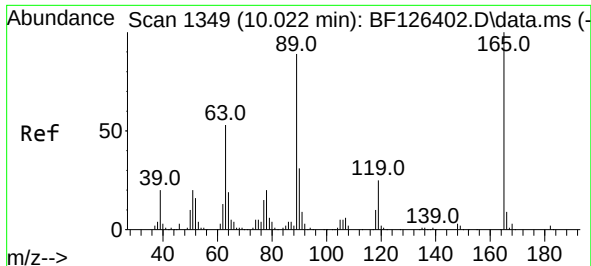
Tgt Ion:154 Resp: 56161
Ion Ratio Lower Upper
154 100
153 110.8 87.8 131.6
152 50.9 39.4 59.2



#56
4-Nitrophenol
Concen: 3.976 ng
RT: 10.039 min Scan# 1352
Delta R.T. 0.094 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Tgt Ion:139 Resp: 13025
Ion Ratio Lower Upper
139 100
109 1.9 44.1 84.1#
65 0.0 85.5 125.5#

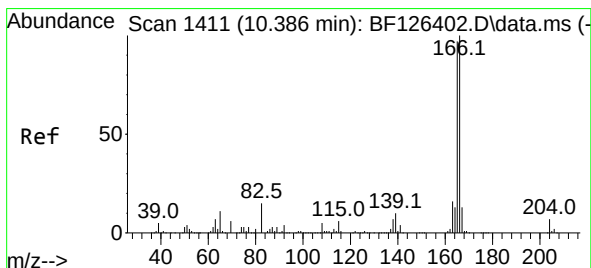
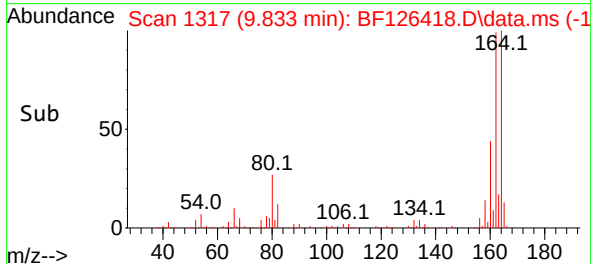
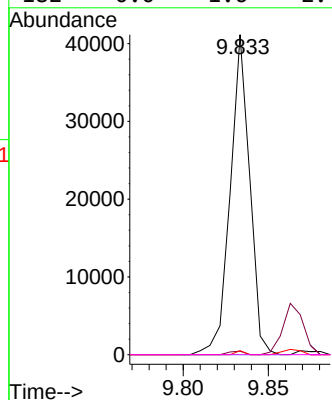
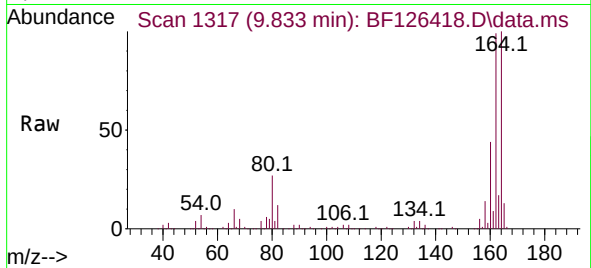




#57
2,4-Dinitrotoluene
Concen: 7.528 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

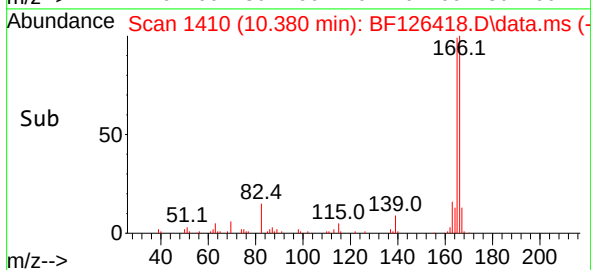
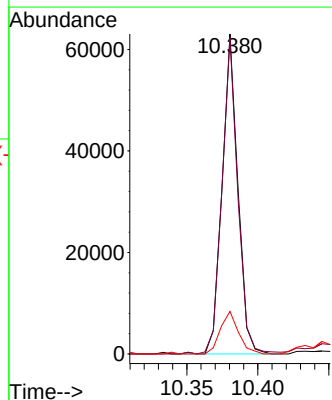
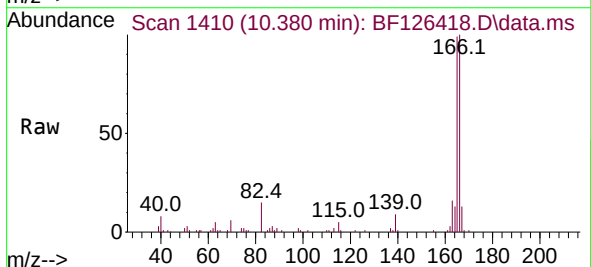
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-0-5

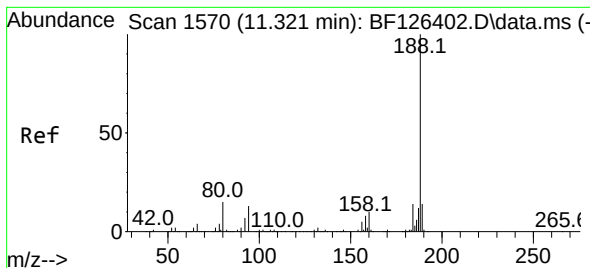
Tgt Ion:165 Resp: 32630
Ion Ratio Lower Upper
165 100
63 1.1 43.0 64.6#
89 1.2 71.0 106.4#
182 0.0 1.6 2.4#



#58
Fluorene
Concen: 3.680 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Tgt Ion:166 Resp: 48413
Ion Ratio Lower Upper
166 100
165 98.9 77.7 116.5
167 13.3 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-0-5

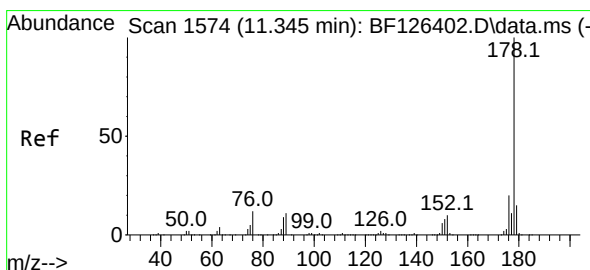
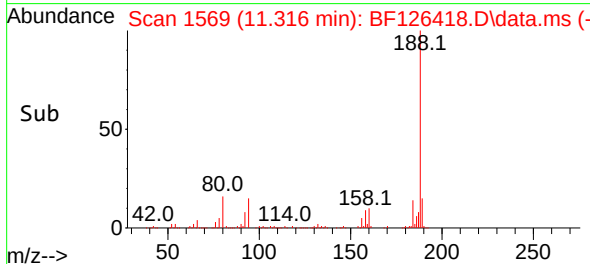
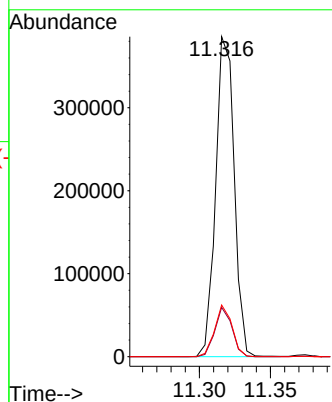
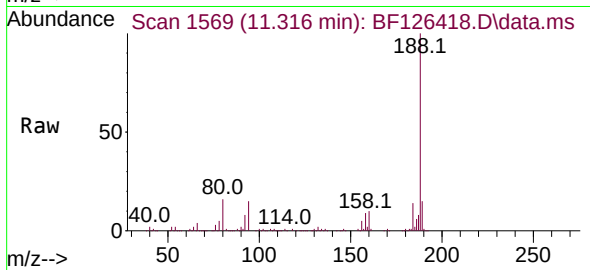
Tgt Ion:188 Resp: 350333

Ion Ratio Lower Upper

188 100

94 15.4 10.1 15.1#

80 16.1 11.8 17.6



#71

Phenanthrene

Concen: 28.288 ng

RT: 11.345 min Scan# 1574

Delta R.T. 0.000 min

Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

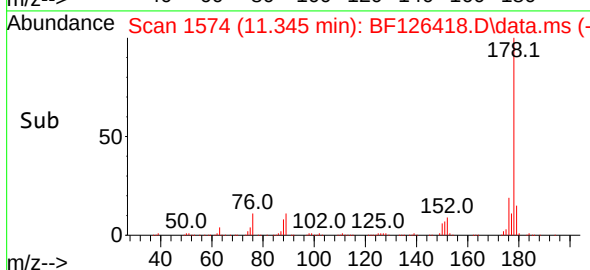
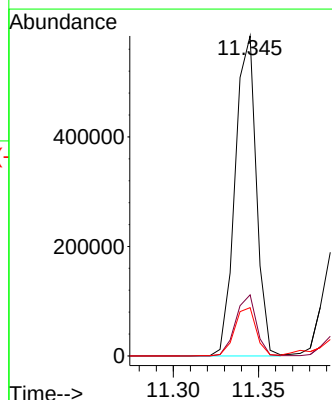
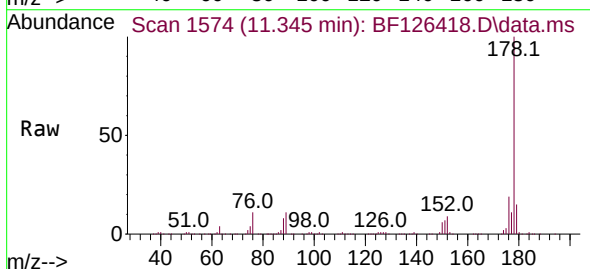
Tgt Ion:178 Resp: 506653

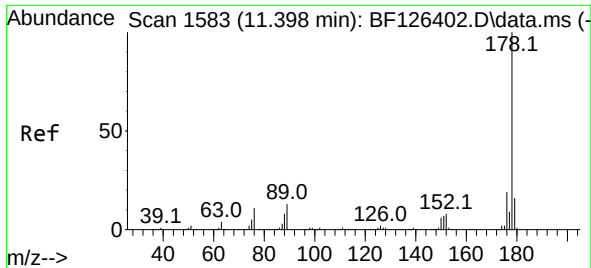
Ion Ratio Lower Upper

178 100

176 19.1 15.7 23.5

179 15.1 12.3 18.5

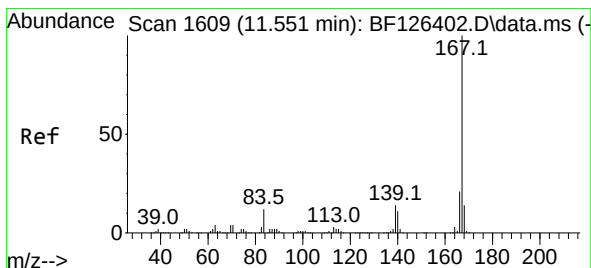
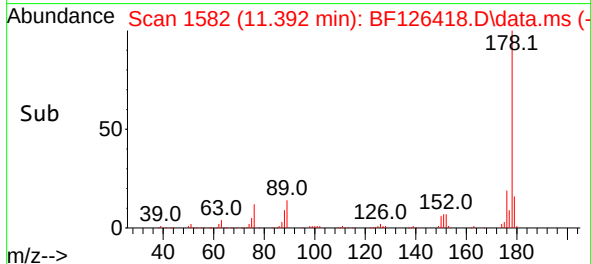
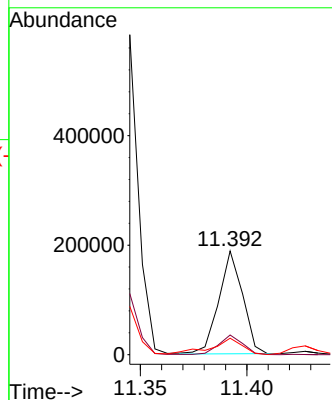
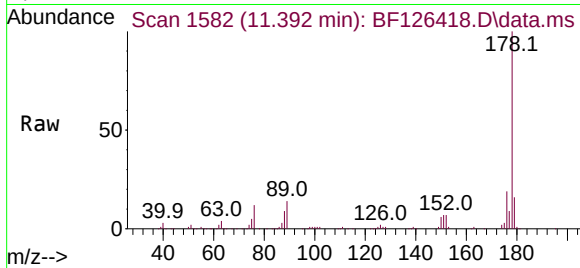




#72
 Anthracene
 Concen: 8.155 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126418.D
 Acq: 30 Dec 2021 14:15

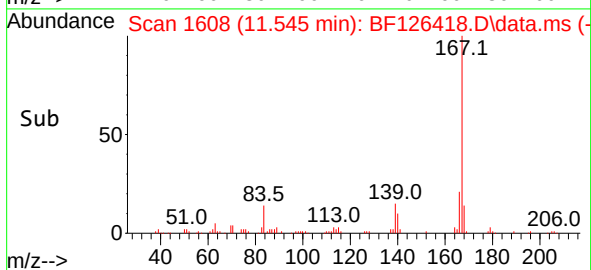
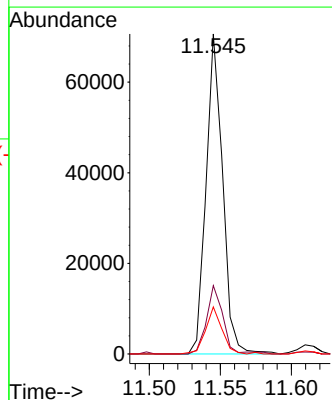
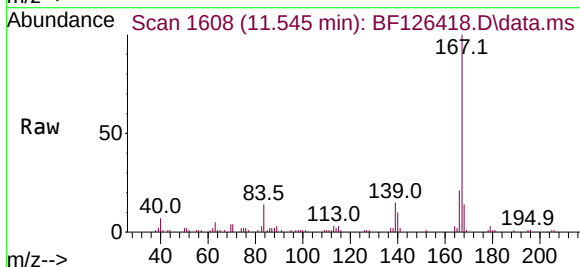
Instrument :
 BNA_F
 ClientSampleId :
 SASP2-123-1-0-5

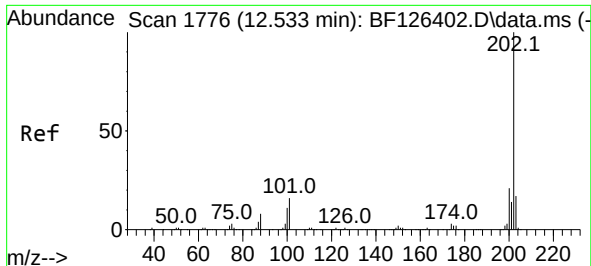
Tgt Ion:178 Resp: 146149
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.0 22.6
 179 15.9 12.5 18.7



#73
 Carbazole
 Concen: 3.272 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF126418.D
 Acq: 30 Dec 2021 14:15

Tgt Ion:167 Resp: 57426
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.9 25.3
 139 14.7 11.3 16.9

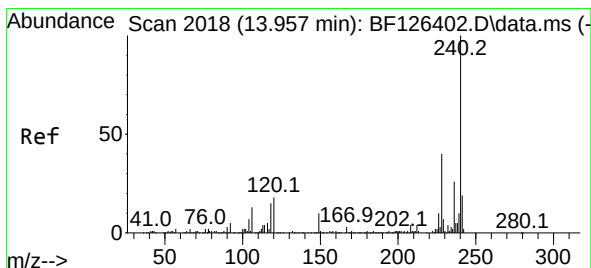
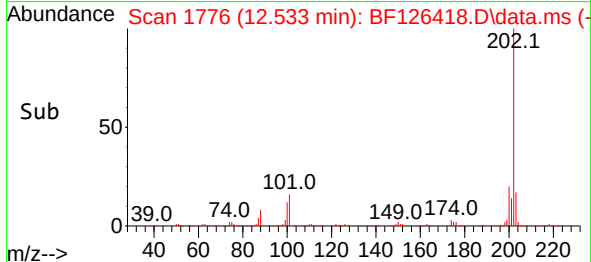
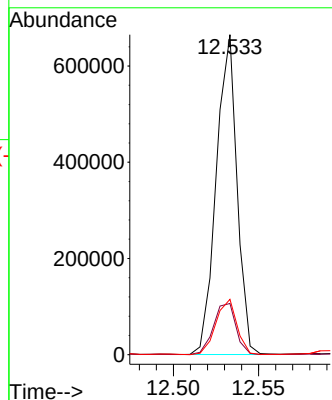
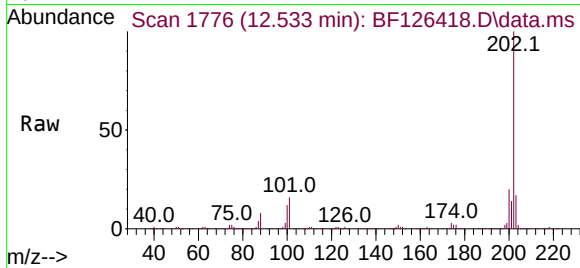




#75
Fluoranthene
Concen: 34.495 ng
RT: 12.533 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

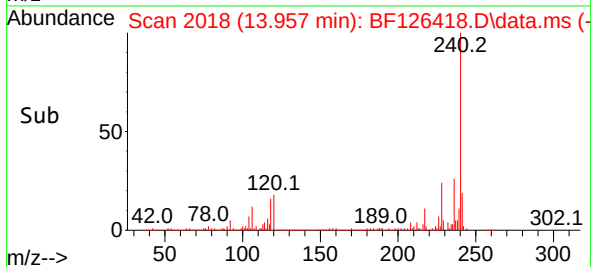
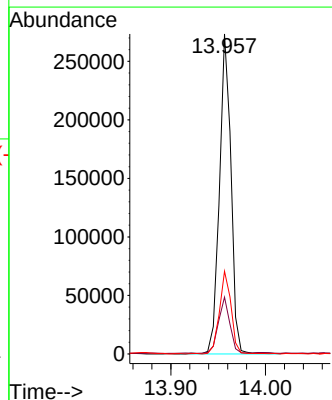
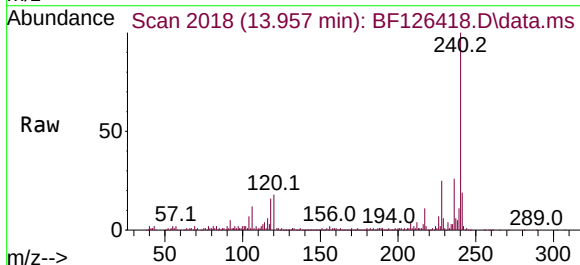
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-0-5

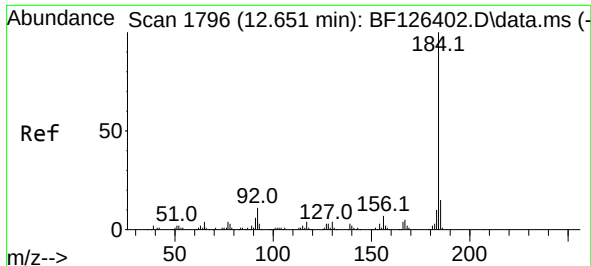
Tgt Ion:202 Resp: 563888
Ion Ratio Lower Upper
202 100
101 16.0 0.0 35.7
203 17.3 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Tgt Ion:240 Resp: 232149
Ion Ratio Lower Upper
240 100
120 17.8 14.4 21.6
236 25.8 20.5 30.7

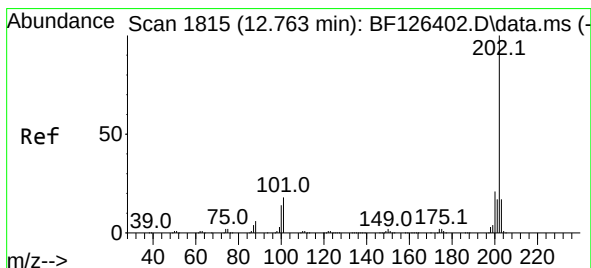
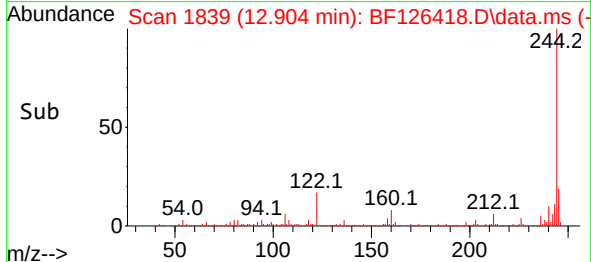
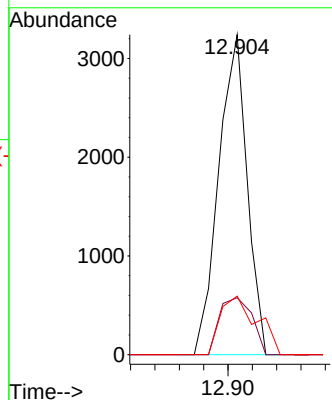
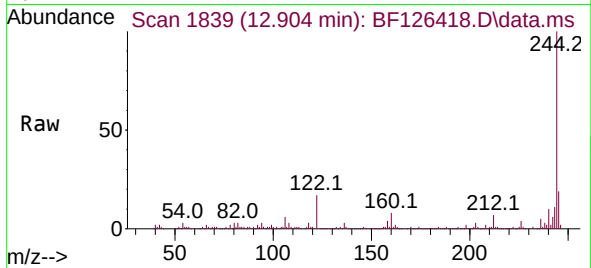




#77
Benzidine
Concen: Below Cal
RT: 12.904 min Scan# 1839
Delta R.T. 0.253 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

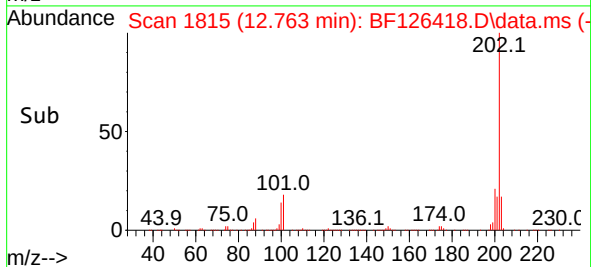
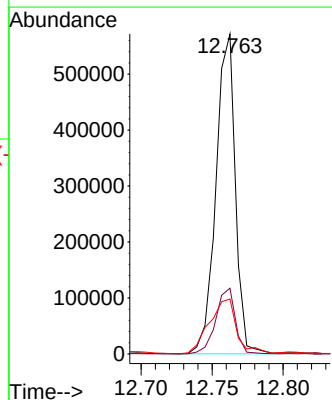
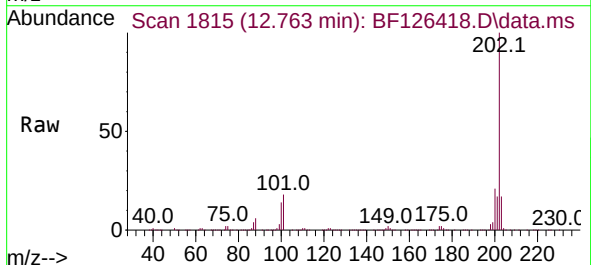
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-0-5

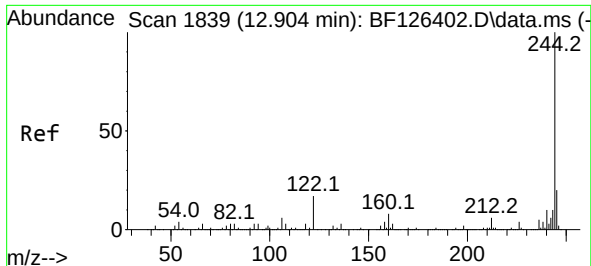
Tgt Ion:184 Resp: 2623
Ion Ratio Lower Upper
184 100
185 17.8 11.8 17.8#
183 18.3 8.2 12.2#



#78
Pyrene
Concen: 27.695 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Tgt Ion:202 Resp: 543348
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 17.2 13.8 20.8

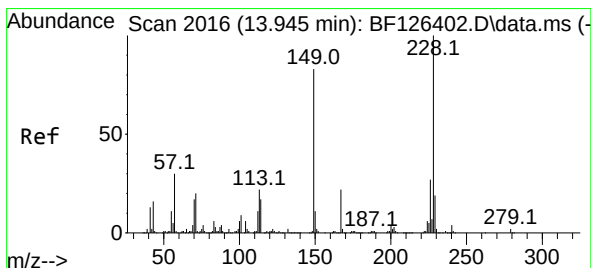
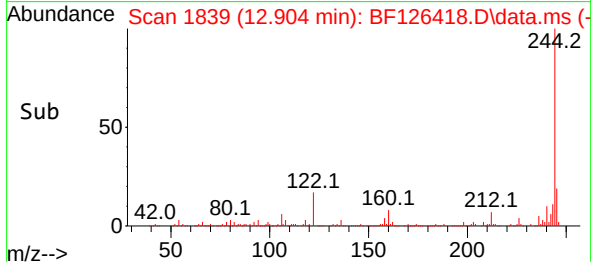
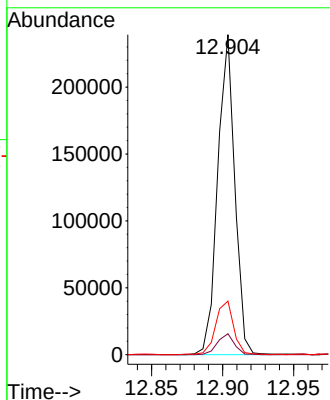
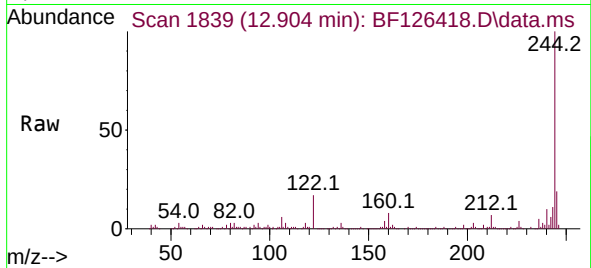




#79
 Terphenyl-d14
 Concen: 16.715 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. 0.000 min
 Lab File: BF126418.D
 Acq: 30 Dec 2021 14:15

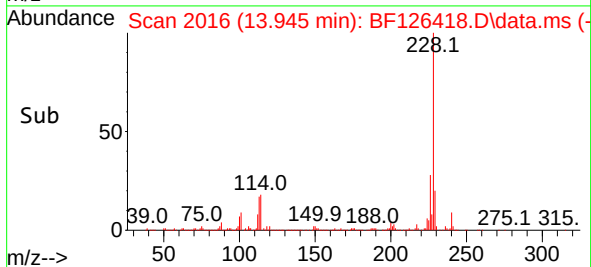
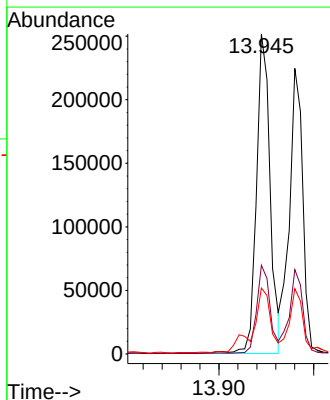
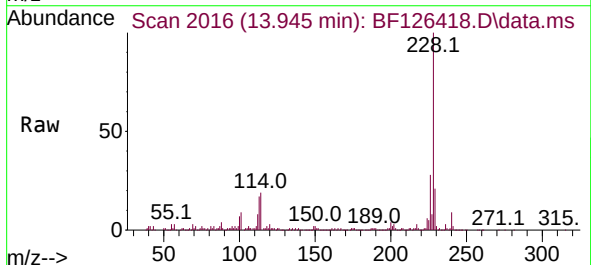
Instrument :
 BNA_F
 ClientSampleId :
 SASP2-123-1-0-5

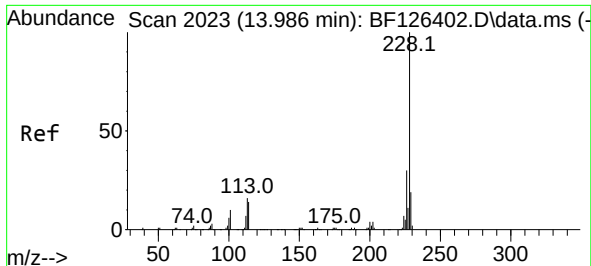
Tgt Ion:244 Resp: 199712
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 16.7 13.3 19.9



#81
 Benzo(a)anthracene
 Concen: 18.861 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: BF126418.D
 Acq: 30 Dec 2021 14:15

Tgt Ion:228 Resp: 251812
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.4 32.0
 229 20.6 15.4 23.2

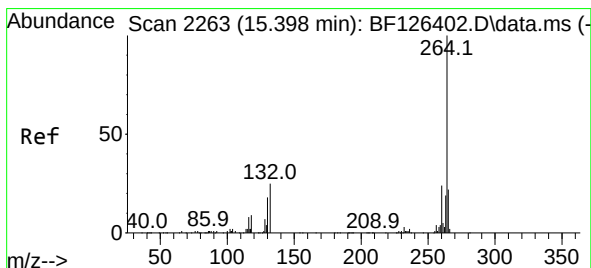
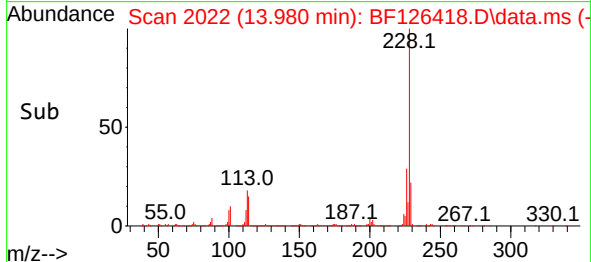
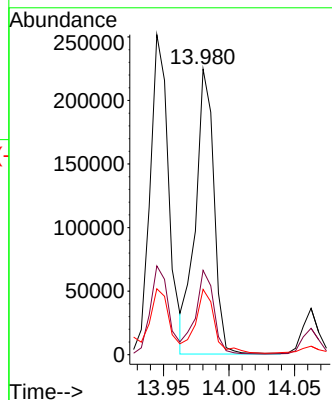
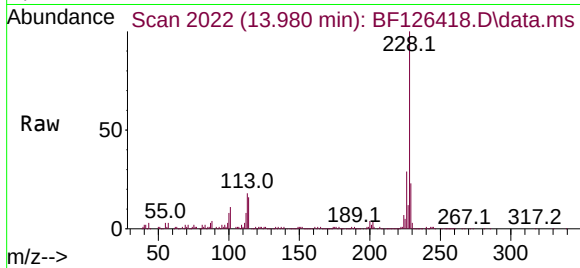




#83
Chrysene
Concen: 16.119 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

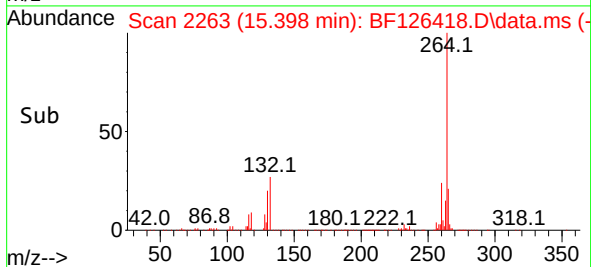
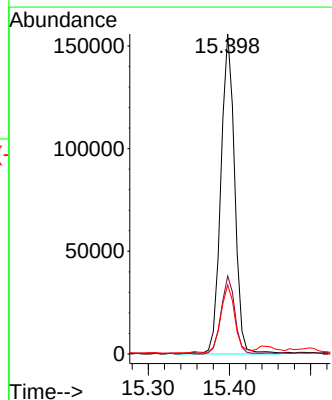
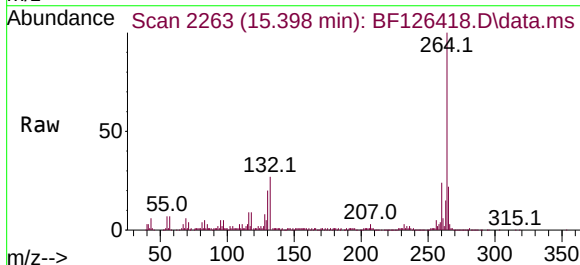
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-0-5

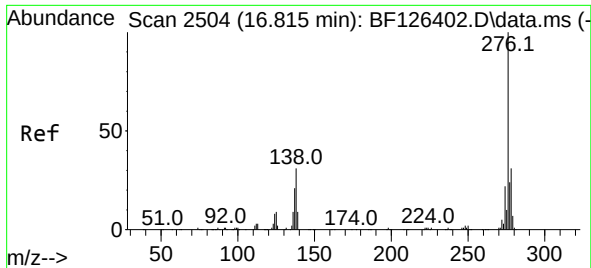
Tgt Ion:228 Resp: 220746
Ion Ratio Lower Upper
228 100
226 29.5 23.7 35.5
229 22.9 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Tgt Ion:264 Resp: 185005
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.6 17.4 26.2

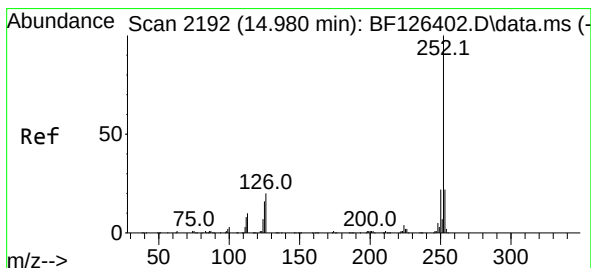
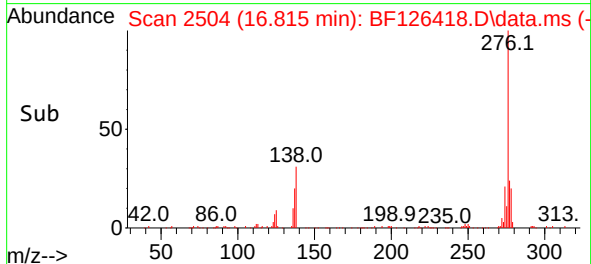
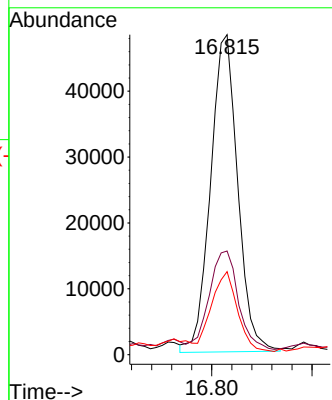
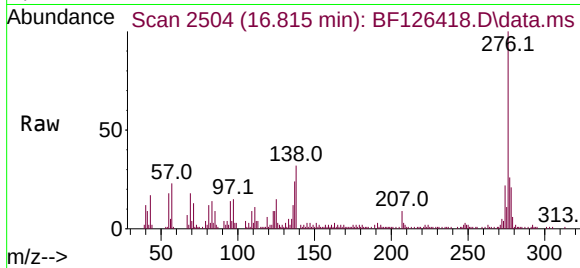




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.324 ng
 RT: 16.815 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: BF126418.D
 Acq: 30 Dec 2021 14:15

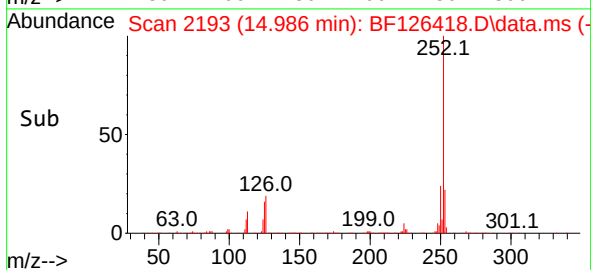
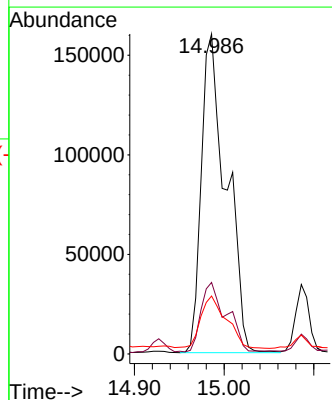
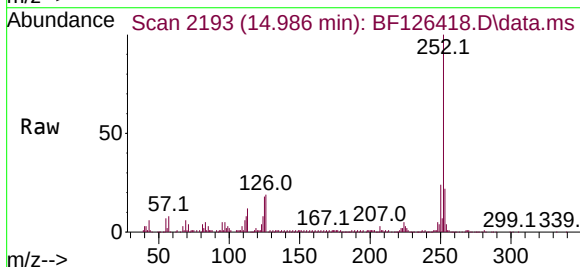
Instrument :
 BNA_F
 ClientSampleId :
 SASP2-123-1-0-5

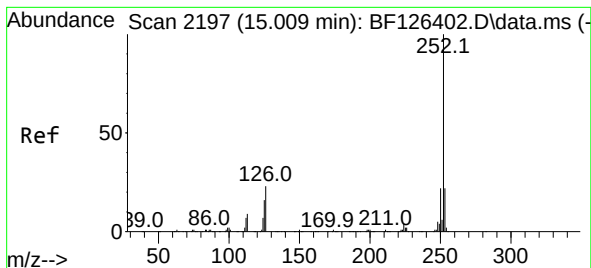
Tgt Ion:276 Resp: 90676
 Ion Ratio Lower Upper
 276 100
 138 33.0 29.2 43.8
 277 23.7 19.8 29.8



#88
 Benzo(b)fluoranthene
 Concen: 27.971 ng
 RT: 14.986 min Scan# 2193
 Delta R.T. 0.006 min
 Lab File: BF126418.D
 Acq: 30 Dec 2021 14:15

Tgt Ion:252 Resp: 308268
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.8 26.8
 125 18.1 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 28.874 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.023 min

Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-0-5

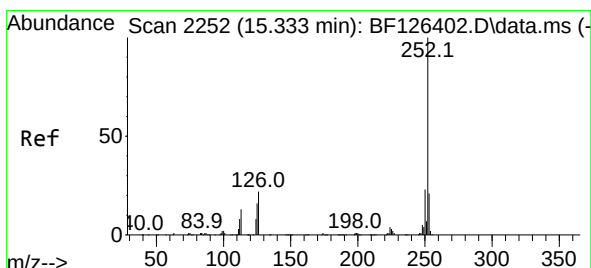
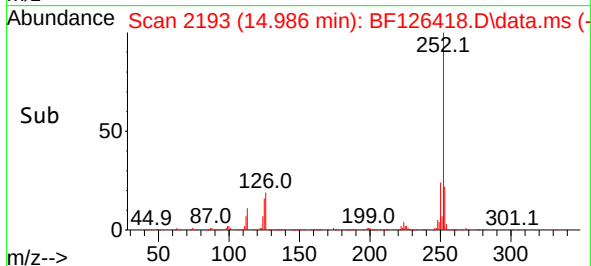
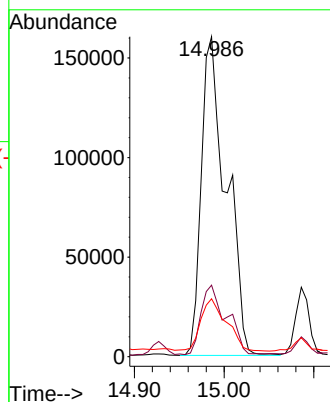
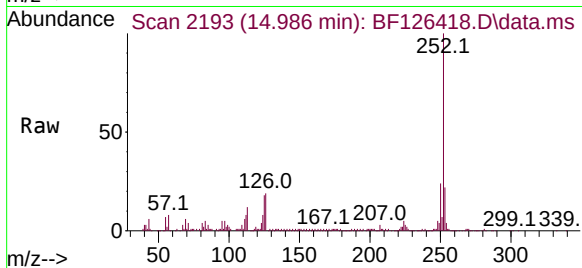
Tgt Ion:252 Resp: 308268

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 18.1 11.8 17.6#



#90

Benzo(a)pyrene

Concen: 18.664 ng

RT: 15.339 min Scan# 2253

Delta R.T. 0.006 min

Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

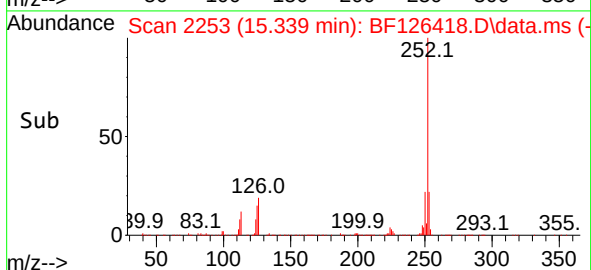
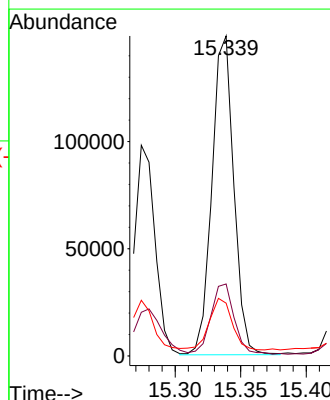
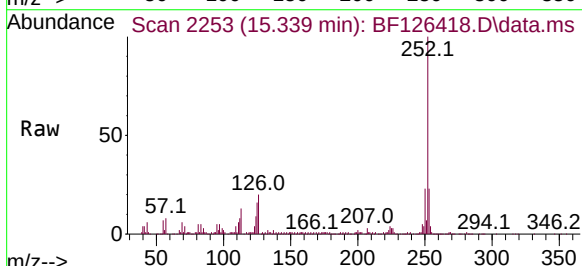
Tgt Ion:252 Resp: 172474

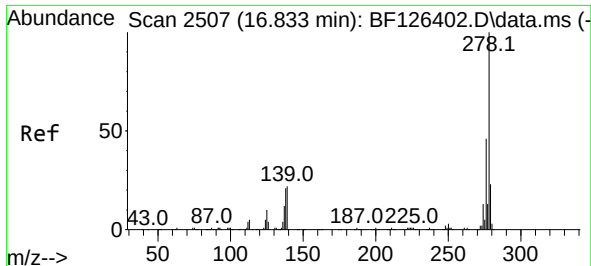
Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

125 16.5 13.0 19.6

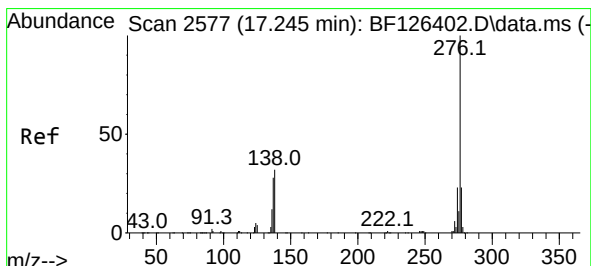
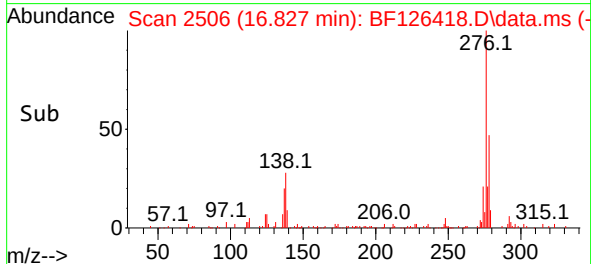
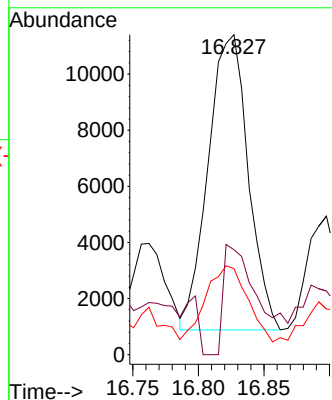
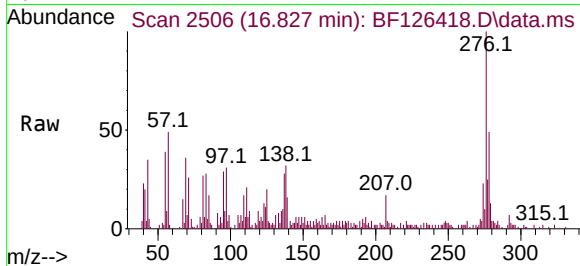




#91
Dibenzo(a,h)anthracene
Concen: 2.238 ng
RT: 16.827 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-0-5

Tgt Ion:278 Resp: 22359
Ion Ratio Lower Upper
278 100
139 32.8 18.0 27.0#
279 26.9 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 7.872 ng
RT: 17.239 min Scan# 2576
Delta R.T. -0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Tgt Ion:276 Resp: 83751
Ion Ratio Lower Upper
276 100
277 24.8 18.5 27.7
138 37.2 25.9 38.9

