

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
 Data File : BF126419.D
 Acq On : 30 Dec 2021 14:47
 Operator : JU/CG
 Sample : M5239-02 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2-123-1-5-10

Quant Time: Dec 30 15:19:08 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)

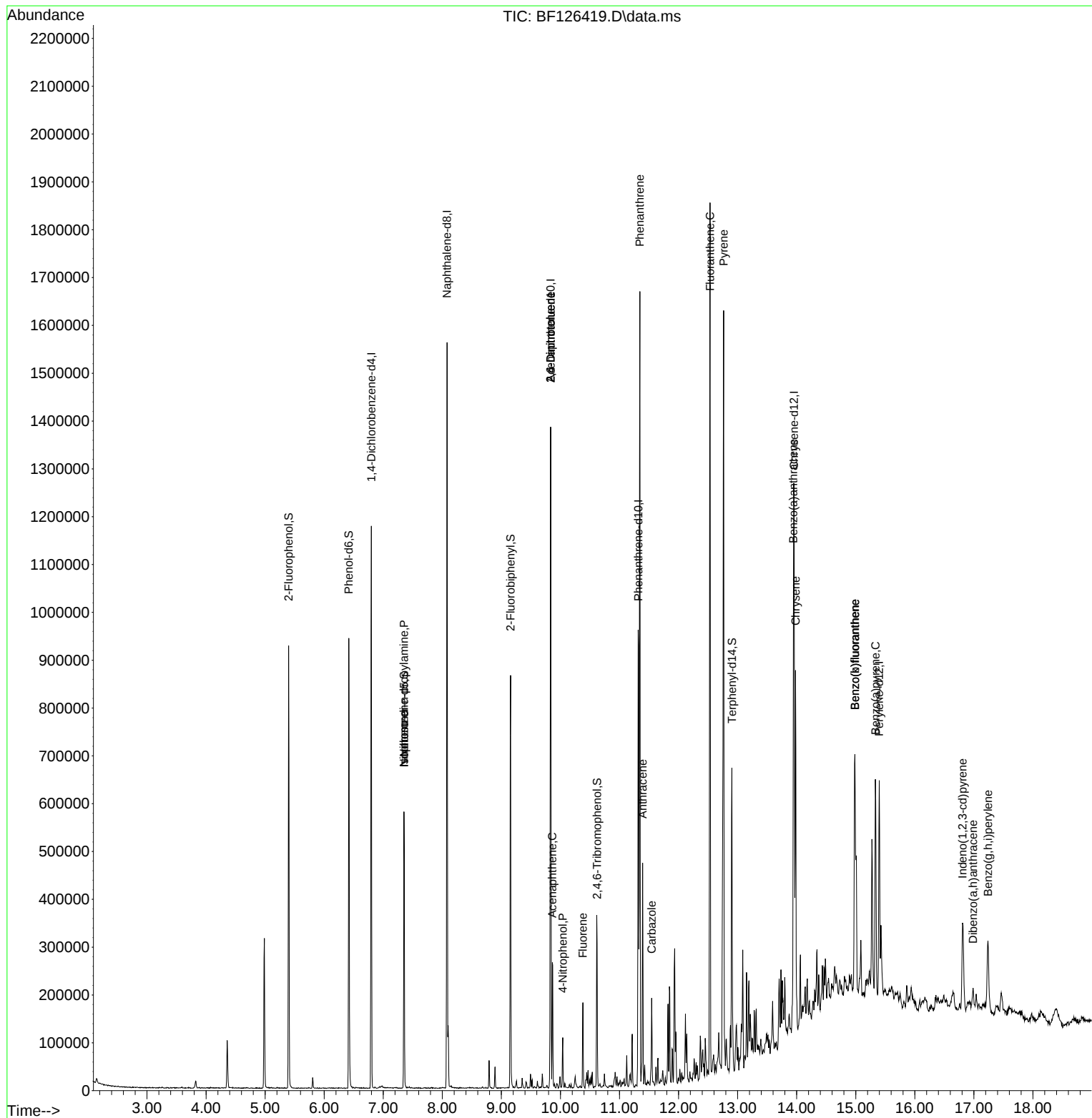
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	156501	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	631109	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	249404	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	347276	20.000	ng	0.00
76) Chrysene-d12	13.957	240	227605	20.000	ng	0.00
86) Perylene-d12	15.398	264	177376	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	241391	22.150	ng	0.00
7) Phenol-d6	6.416	99	298070	21.117	ng	-0.01
23) Nitrobenzene-d5	7.351	82	177714	14.459	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	33160	17.206	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	250611	17.682	ng	0.00
79) Terphenyl-d14	12.904	244	183828	15.692	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	21996	2.731	ng	# 83
25) Isophorone	7.351	82	177550	8.069	ng	# 69
51) 2,6-Dinitrotoluene	9.833	165	32075	9.539	ng	# 21
52) Acenaphthene	9.863	154	56745	4.119	ng	98
56) 4-Nitrophenol	10.039	139	12493	3.810	ng	# 7
57) 2,4-Dinitrotoluene	9.833	165	32075	7.394	ng	# 15
58) Fluorene	10.381	166	43421	3.298	ng	98
71) Phenanthrene	11.345	178	557972	31.427	ng	99
72) Anthracene	11.392	178	153781	8.656	ng	98
73) Carbazole	11.545	167	58757	3.378	ng	100
75) Fluoranthene	12.533	202	640569	39.531	ng	98
77) Benzidine	12.904	184	2402	Below Cal		# 90
78) Pyrene	12.763	202	610543	31.742	ng	100
81) Benzo(a)anthracene	13.945	228	294461	22.496	ng	98
83) Chrysene	13.980	228	255062	18.997	ng	95
87) Indeno(1,2,3-cd)pyrene	16.810	276	106108	8.939	ng	98
88) Benzo(b)fluoranthene	14.986	252	368559	34.880	ng	98
89) Benzo(k)fluoranthene	14.986	252	368559	36.006	ng	98
90) Benzo(a)pyrene	15.333	252	199453	22.512	ng	96
91) Dibenzo(a,h)anthracene	16.986	278	24549	2.563	ng	92
92) Benzo(g,h,i)perylene	17.239	276	107270	10.517	ng	98

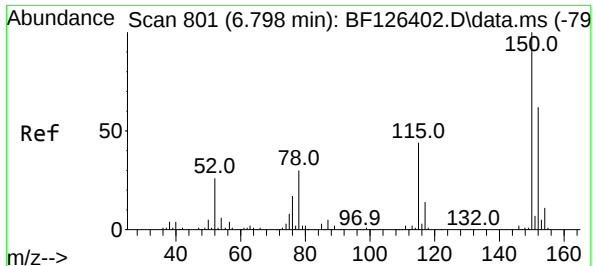
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 30 04:30:49 2021
Response via : Initial Calibration

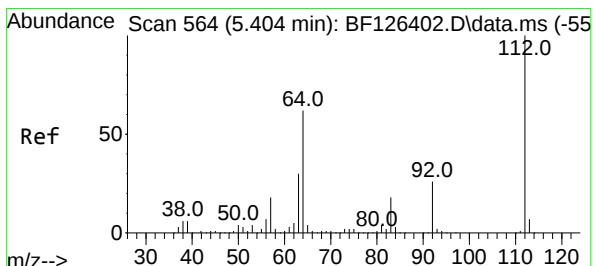
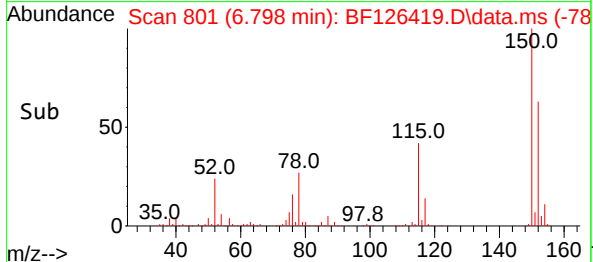
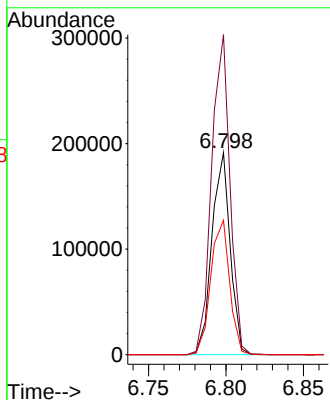
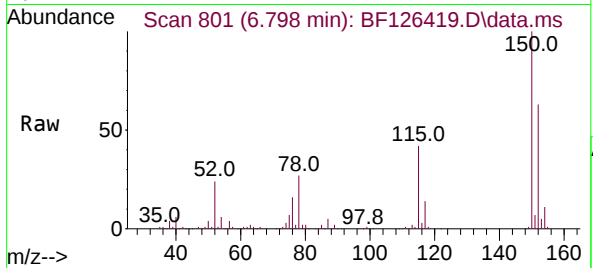




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF126419.D
 Acq: 30 Dec 2021 14:47

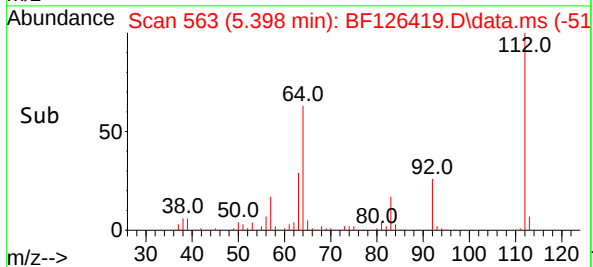
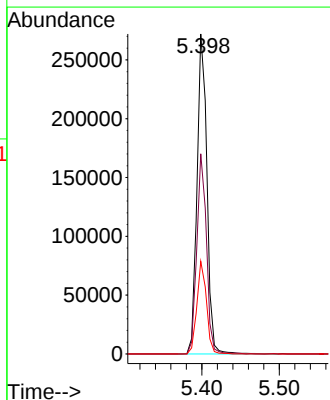
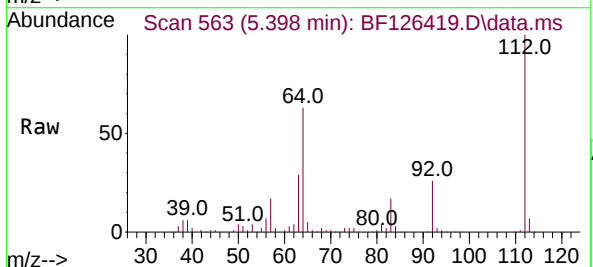
Instrument :
 BNA_F
 ClientSampleId :
 SASP2-123-1-5-10

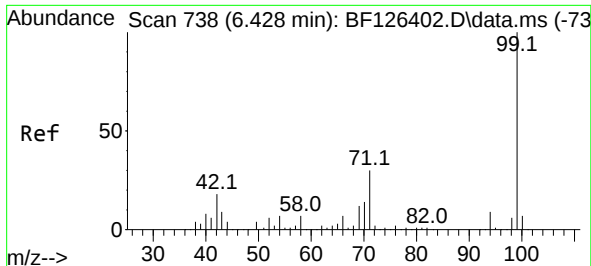
Tgt Ion:152 Resp: 156501
 Ion Ratio Lower Upper
 152 100
 150 158.4 128.1 192.1
 115 66.5 56.7 85.1



#5
 2-Fluorophenol
 Concen: 22.150 ng
 RT: 5.398 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF126419.D
 Acq: 30 Dec 2021 14:47

Tgt Ion:112 Resp: 241391
 Ion Ratio Lower Upper
 112 100
 64 62.5 49.5 74.3
 63 28.9 23.9 35.9

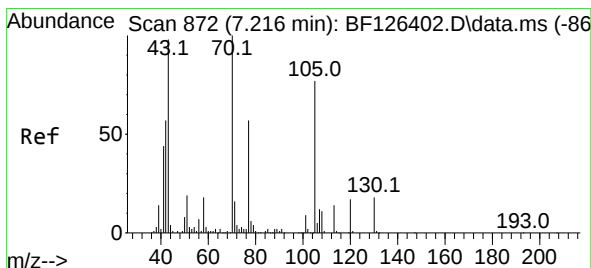
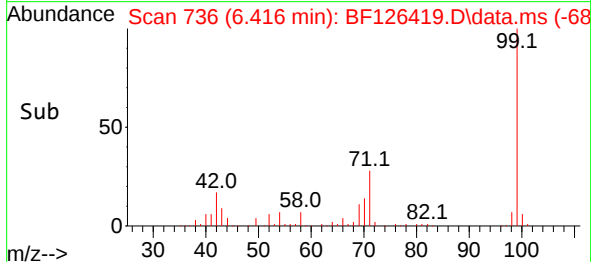
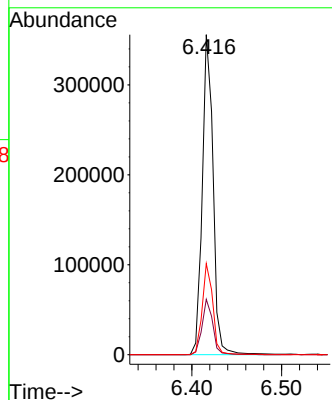
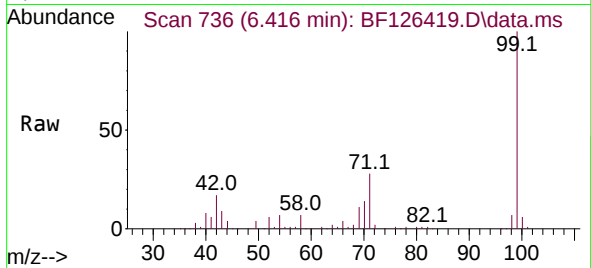




#7
Phenol-d6
Concen: 21.117 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

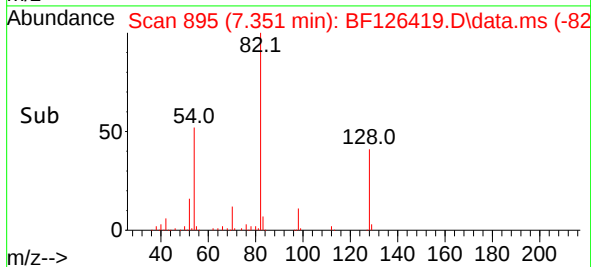
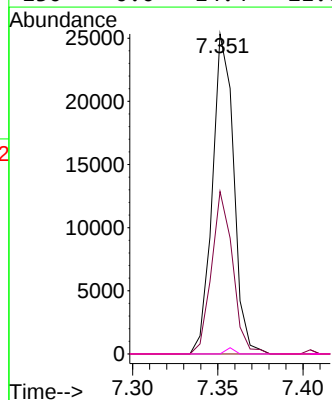
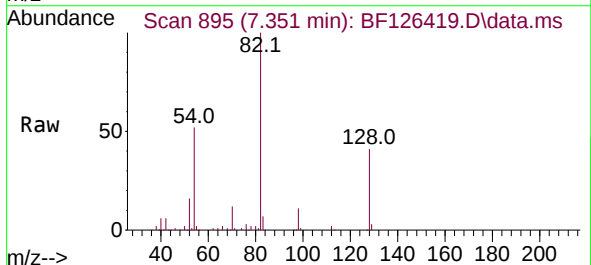
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Tgt Ion: 99 Resp: 298070
Ion Ratio Lower Upper
99 100
42 17.3 14.2 21.4
71 28.5 24.3 36.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.731 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Tgt Ion: 70 Resp: 21996
Ion Ratio Lower Upper
70 100
42 50.7 45.8 68.8
101 0.0 6.9 10.3#
130 0.0 14.4 21.6#



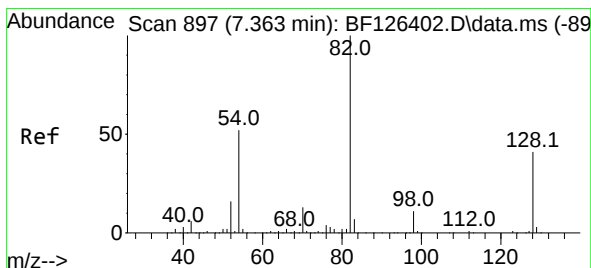
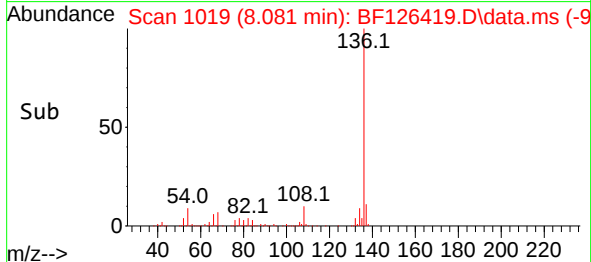
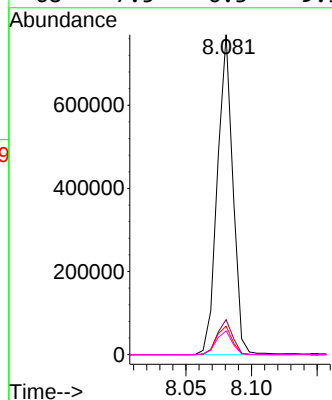
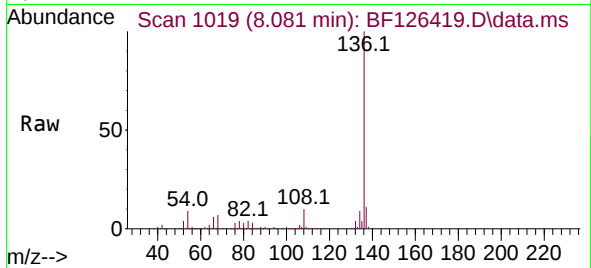


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Tgt Ion:136 Resp: 631109

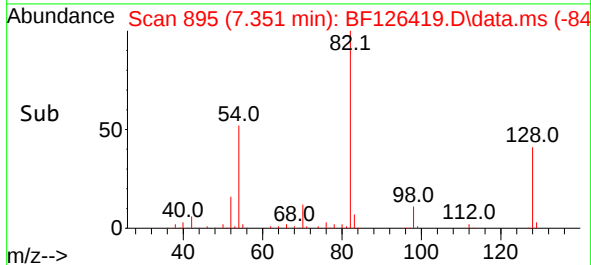
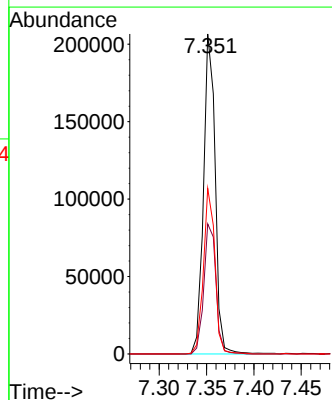
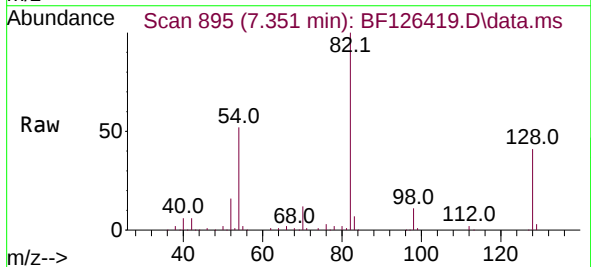
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.9	7.8	11.6
68	7.5	6.3	9.5

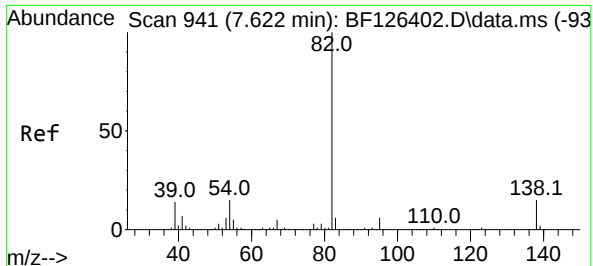


#23
Nitrobenzene-d5
Concen: 14.459 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Tgt Ion: 82 Resp: 177714

Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.7	49.1
54	51.8	41.7	62.5

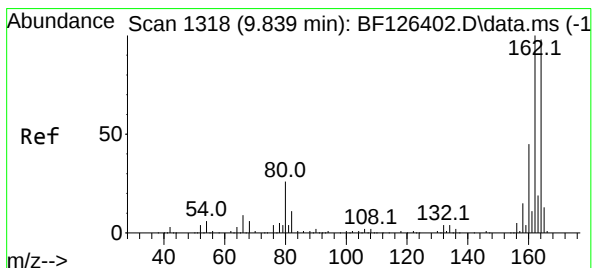
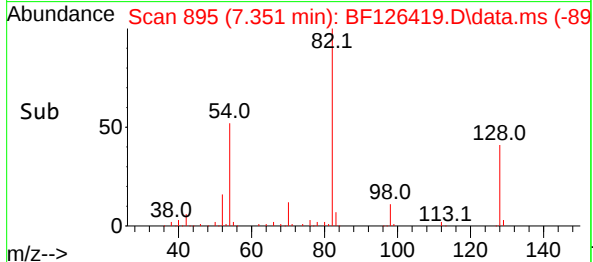
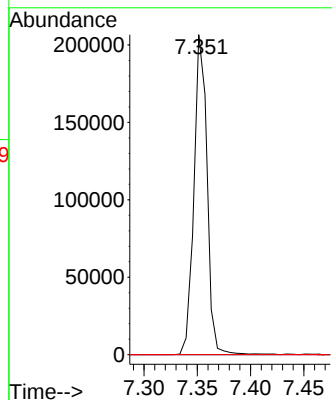
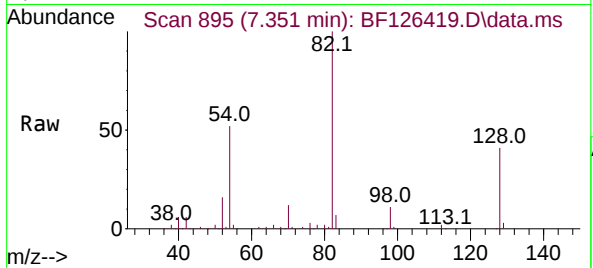




#25
Isophorone
Concen: 8.069 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

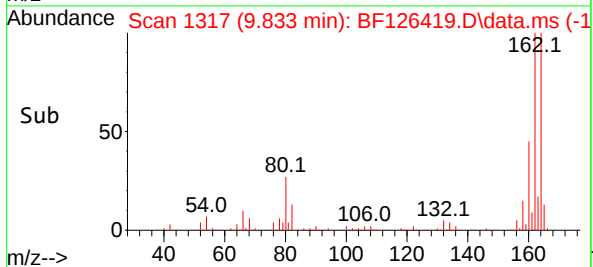
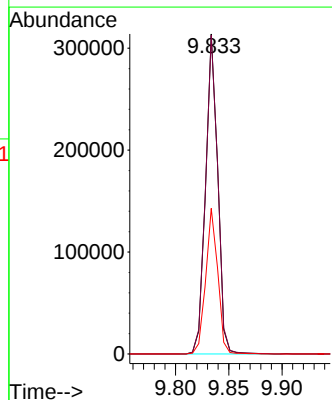
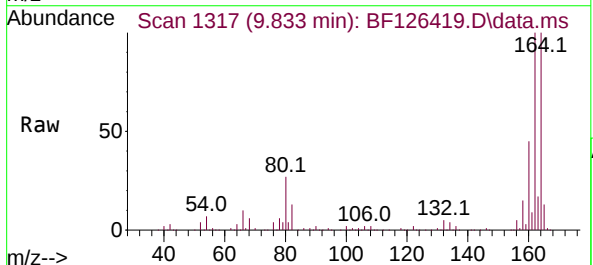
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

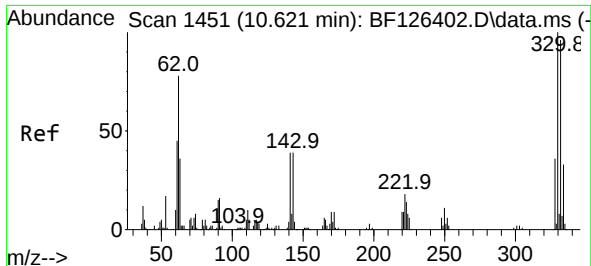
Tgt Ion: 82 Resp: 177550
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Tgt Ion:164 Resp: 249404
Ion Ratio Lower Upper
164 100
162 99.6 81.4 122.0
160 45.5 36.6 54.8

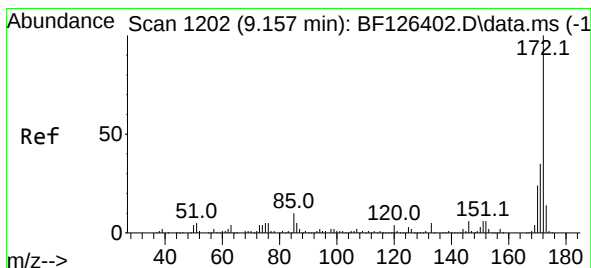
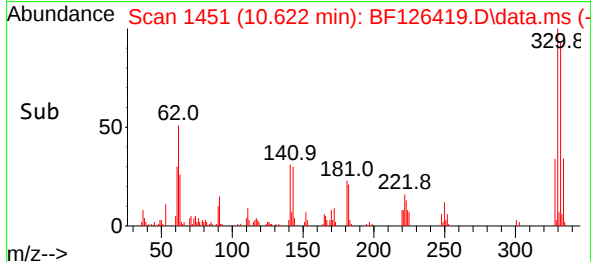
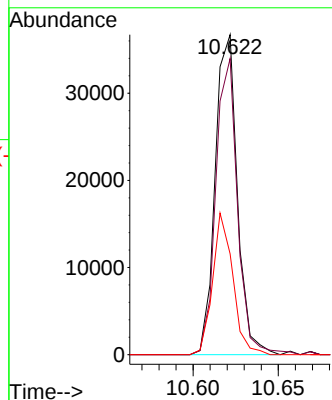
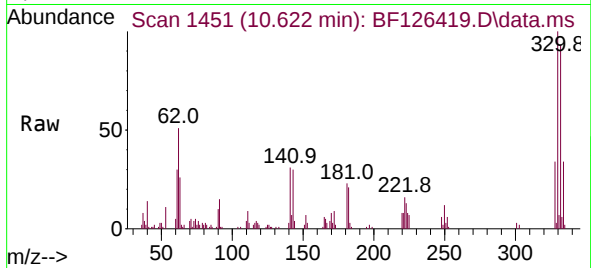




#42
2,4,6-Tribromophenol
Concen: 17.206 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

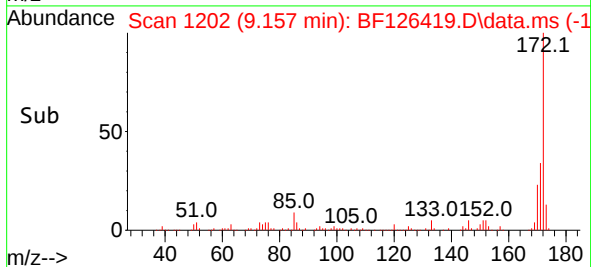
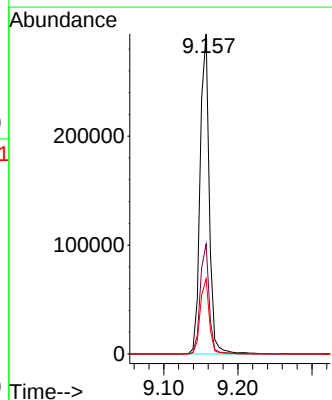
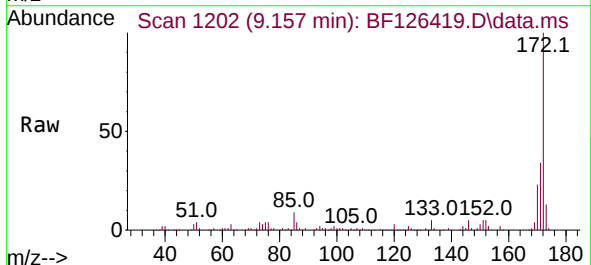
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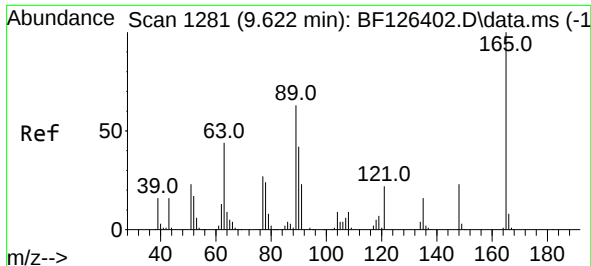
Tgt Ion: 330 Resp: 33160
Ion Ratio Lower Upper
330 100
332 91.2 76.0 114.0
141 40.4 30.1 45.1



#45
2-Fluorobiphenyl
Concen: 17.682 ng
RT: 9.157 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Tgt Ion: 172 Resp: 250611
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 23.4 19.0 28.6

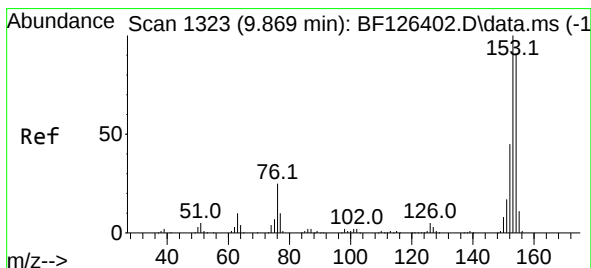
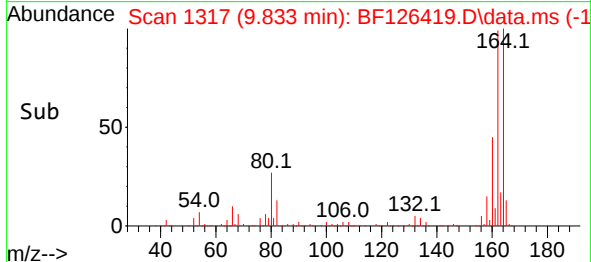
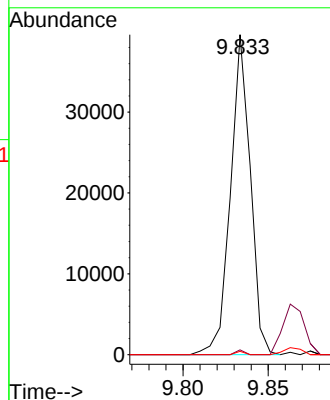
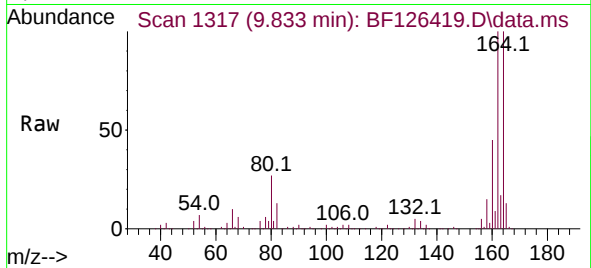




#51
2,6-Dinitrotoluene
Concen: 9.539 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

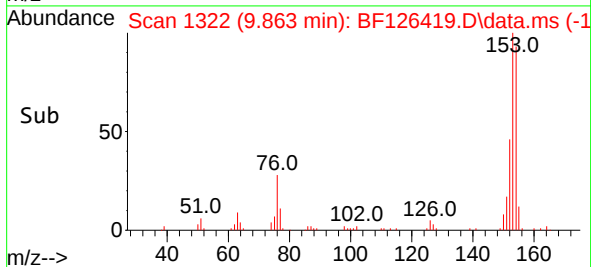
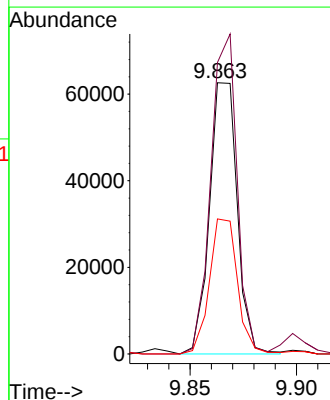
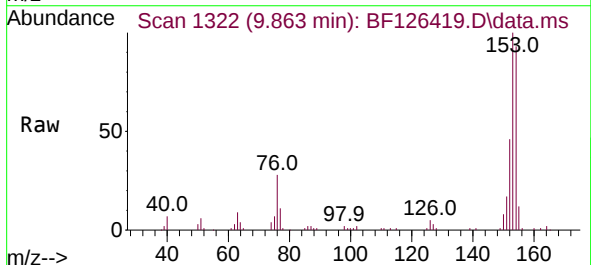
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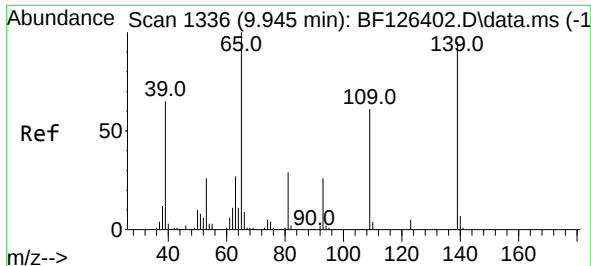
Tgt Ion:165 Resp: 32075
Ion Ratio Lower Upper
165 100
63 1.5 48.4 72.6#
89 1.1 50.5 75.7#



#52
Acenaphthene
Concen: 4.119 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Tgt Ion:154 Resp: 56745
Ion Ratio Lower Upper
154 100
153 107.5 87.8 131.6
152 49.8 39.4 59.2

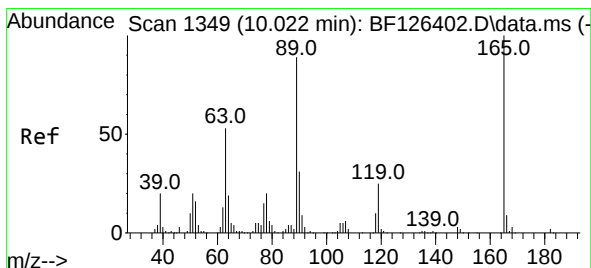
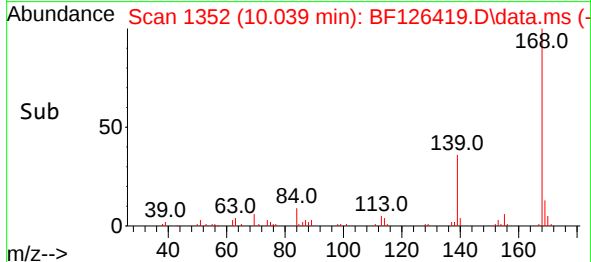
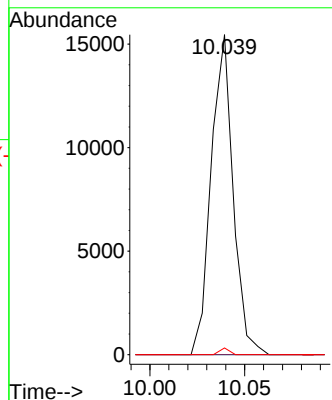
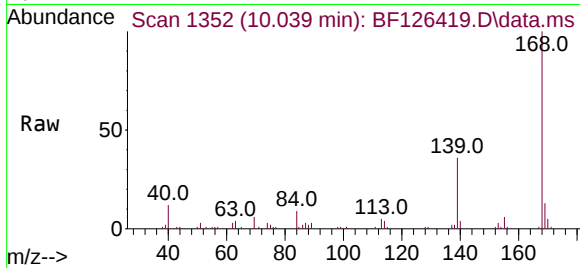




#56
4-Nitrophenol
Concen: 3.810 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

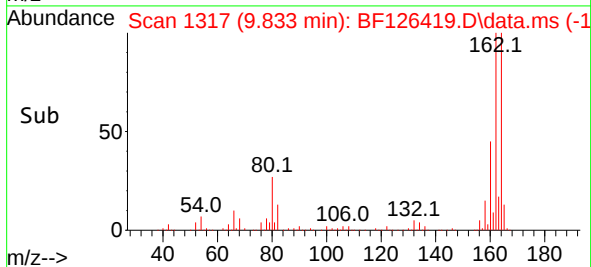
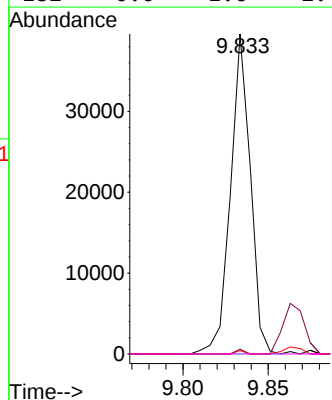
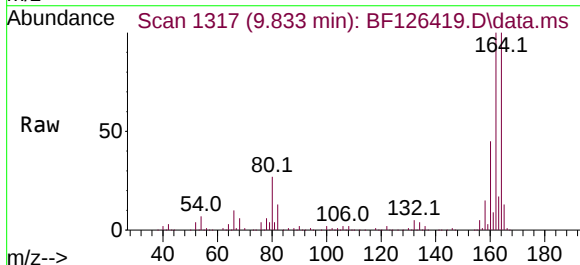
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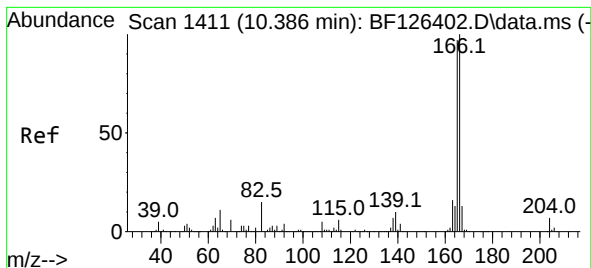
Tgt Ion:139 Resp: 12493
Ion Ratio Lower Upper
139 100
109 0.0 44.1 84.1#
65 2.1 85.5 125.5#



#57
2,4-Dinitrotoluene
Concen: 7.394 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Tgt Ion:165 Resp: 32075
Ion Ratio Lower Upper
165 100
63 1.5 43.0 64.6#
89 1.1 71.0 106.4#
182 0.0 1.6 2.4#





#58

Fluorene

Concen: 3.298 ng

RT: 10.381 min Scan# 1411

Delta R.T. -0.006 min

Lab File: BF126419.D

Acq: 30 Dec 2021 14:47

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-5-10

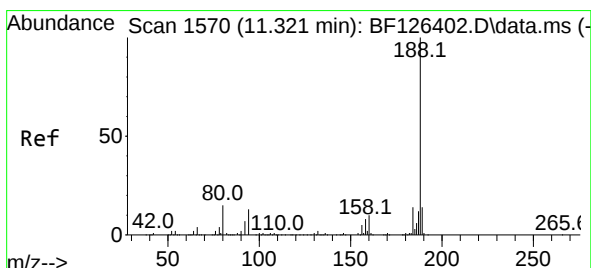
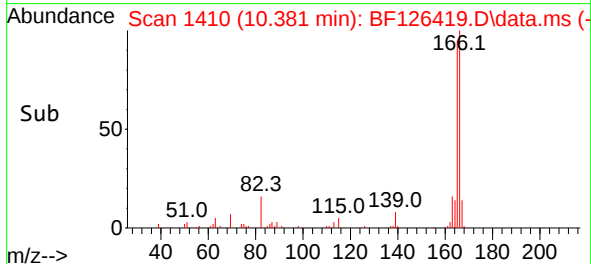
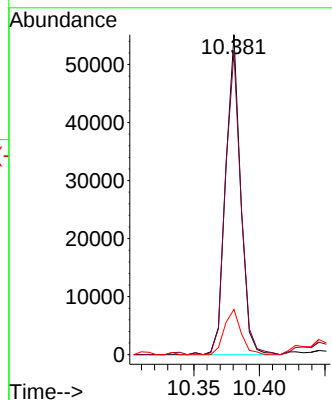
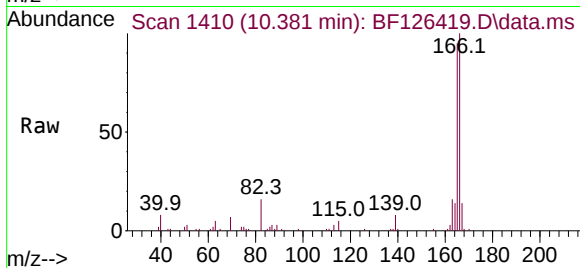
Tgt Ion:166 Resp: 43421

Ion Ratio Lower Upper

166 100

165 94.6 77.7 116.5

167 14.1 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BF126419.D

Acq: 30 Dec 2021 14:47

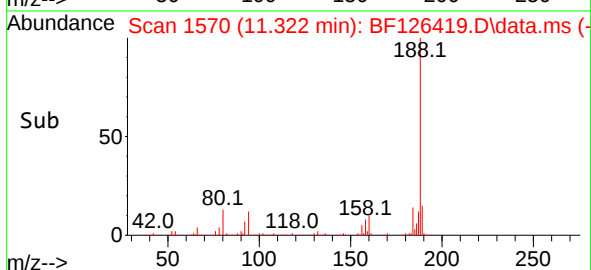
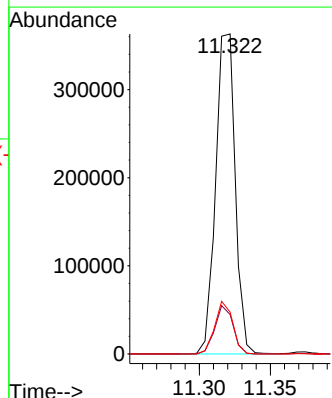
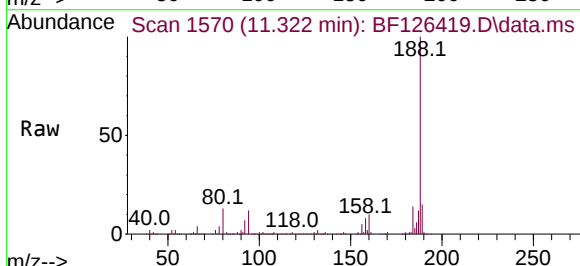
Tgt Ion:188 Resp: 347276

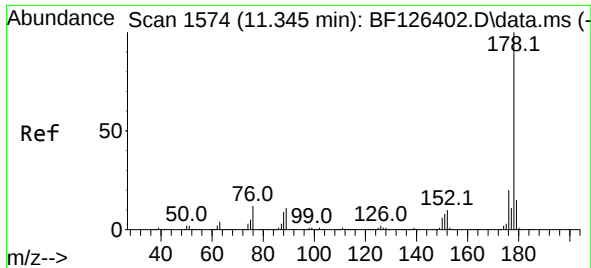
Ion Ratio Lower Upper

188 100

94 12.3 10.1 15.1

80 13.1 11.8 17.6

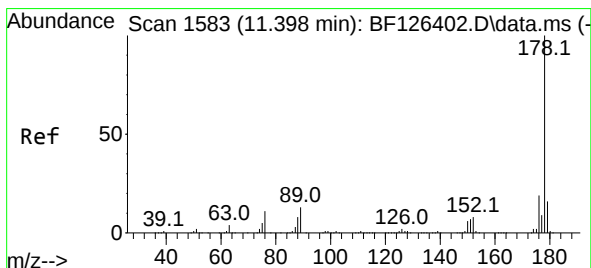
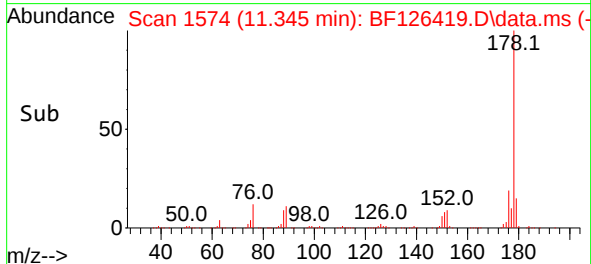
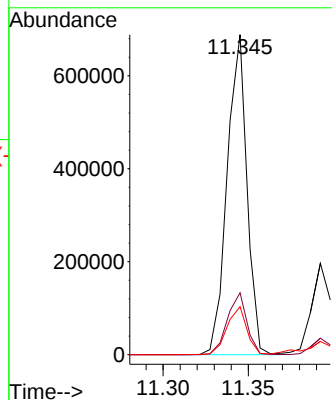
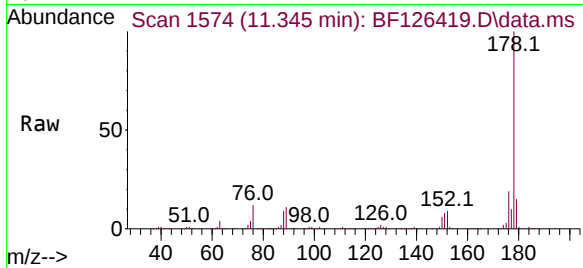




#71
Phenanthrene
Concen: 31.427 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

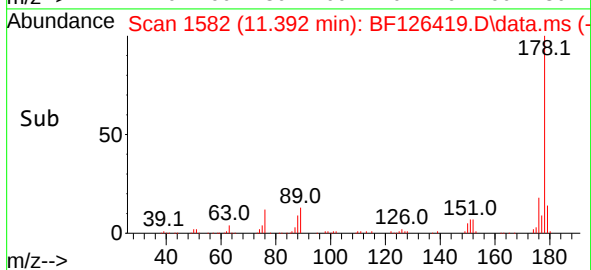
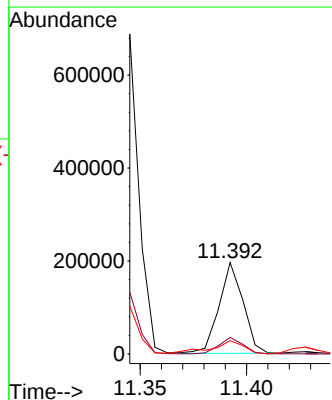
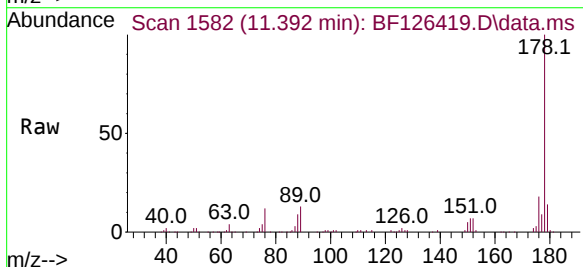
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

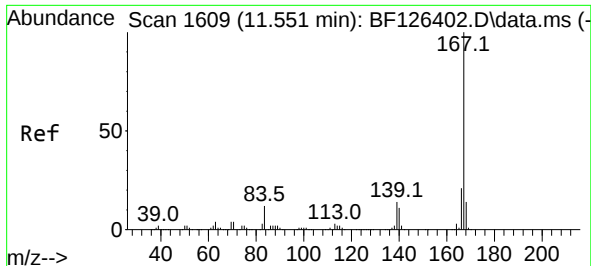
Tgt Ion:178 Resp: 557972
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.0 12.3 18.5



#72
Anthracene
Concen: 8.656 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Tgt Ion:178 Resp: 153781
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 14.5 12.5 18.7

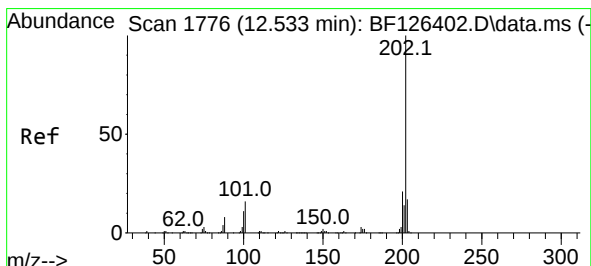
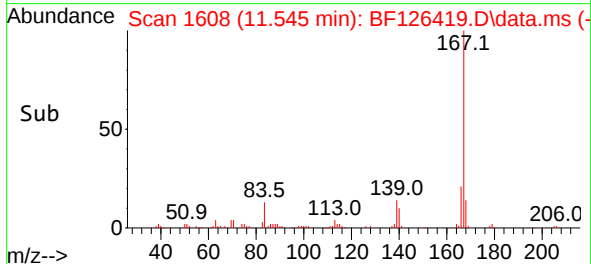
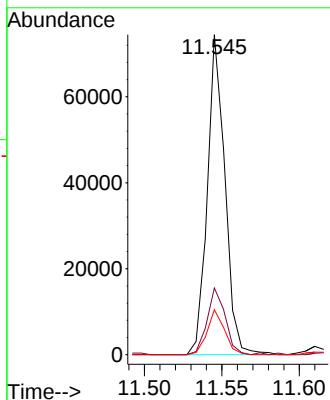
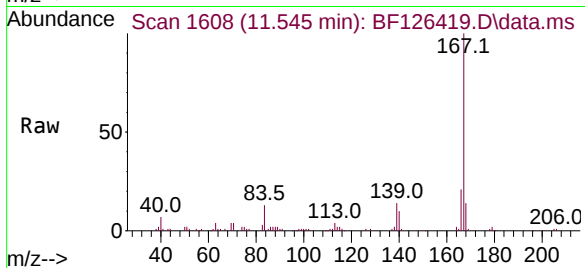




#73
 Carbazole
 Concen: 3.378 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF126419.D
 Acq: 30 Dec 2021 14:47

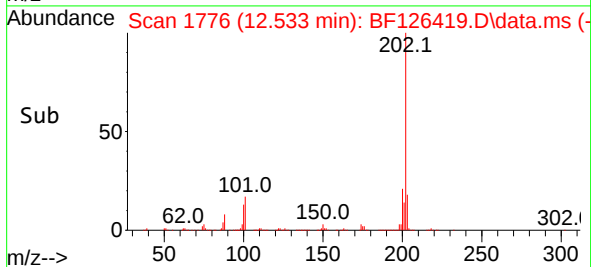
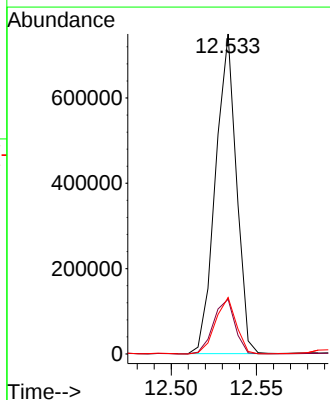
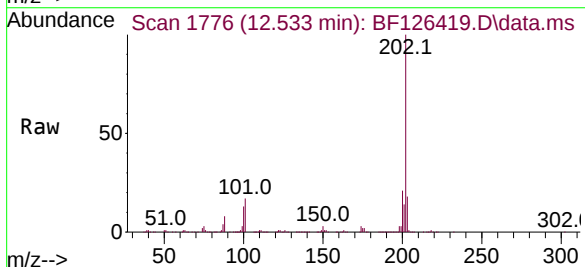
Instrument :
 BNA_F
 ClientSampleId :
 SASP2-123-1-5-10

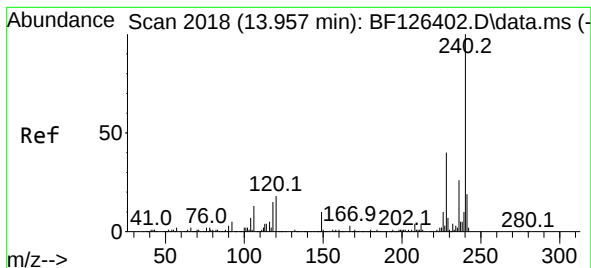
Tgt Ion:167 Resp: 58757
 Ion Ratio Lower Upper
 167 100
 166 20.9 16.9 25.3
 139 14.0 11.3 16.9



#75
 Fluoranthene
 Concen: 39.531 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. 0.000 min
 Lab File: BF126419.D
 Acq: 30 Dec 2021 14:47

Tgt Ion:202 Resp: 640569
 Ion Ratio Lower Upper
 202 100
 101 17.1 0.0 35.7
 203 17.6 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BF126419.D

Acq: 30 Dec 2021 14:47

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-5-10

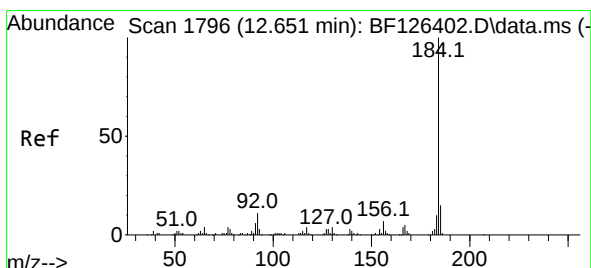
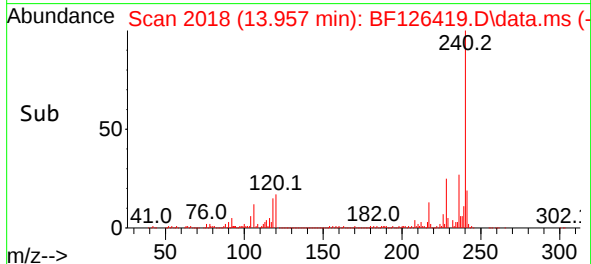
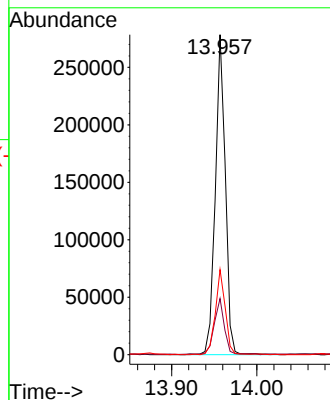
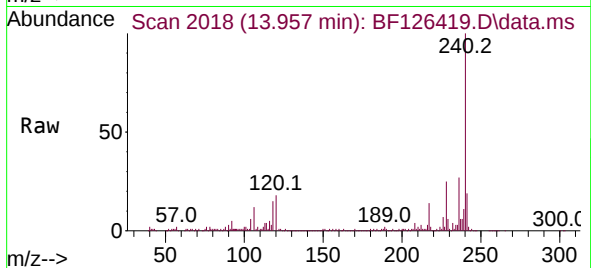
Tgt Ion:240 Resp: 227605

Ion Ratio Lower Upper

240 100

120 17.5 14.4 21.6

236 26.6 20.5 30.7



#77

Benzidine

Concen: Below Cal

RT: 12.904 min Scan# 1839

Delta R.T. 0.253 min

Lab File: BF126419.D

Acq: 30 Dec 2021 14:47

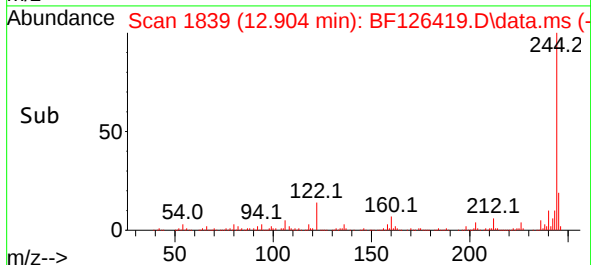
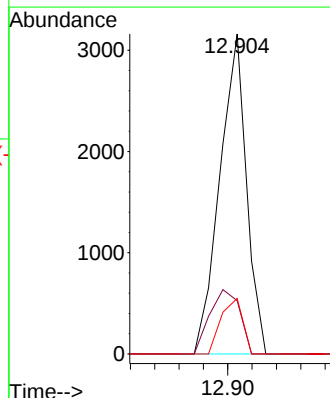
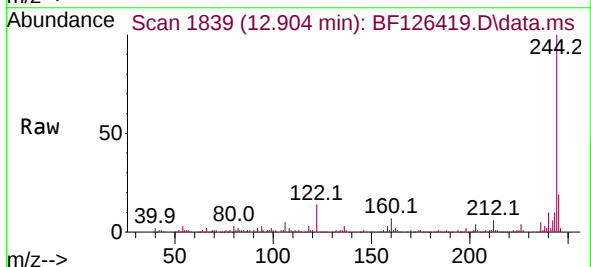
Tgt Ion:184 Resp: 2402

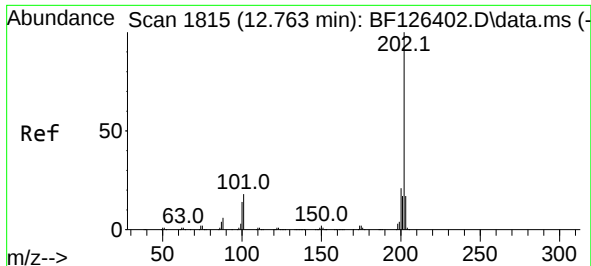
Ion Ratio Lower Upper

184 100

185 16.6 11.8 17.8

183 17.3 8.2 12.2#

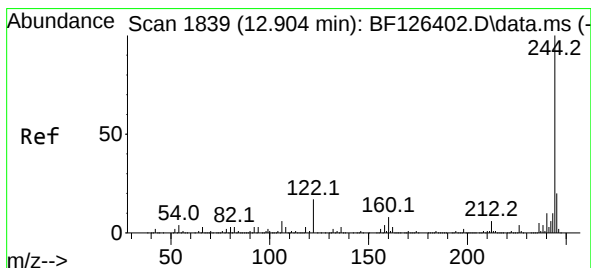
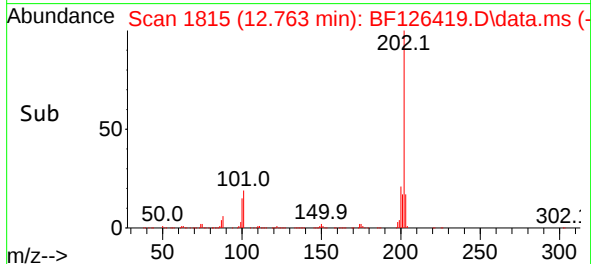
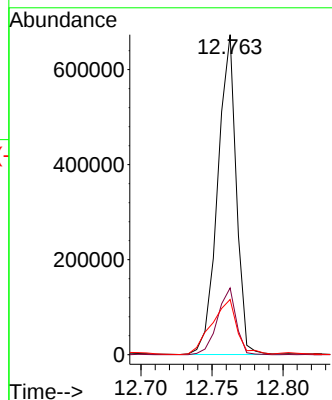
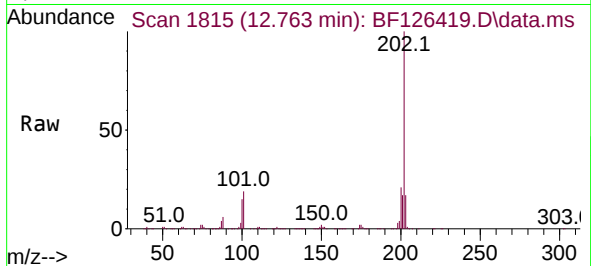




#78
Pyrene
Concen: 31.742 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

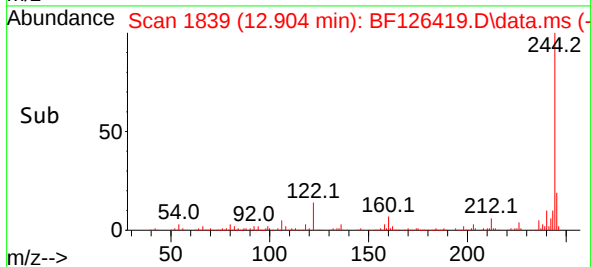
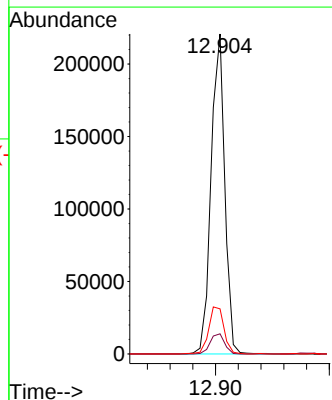
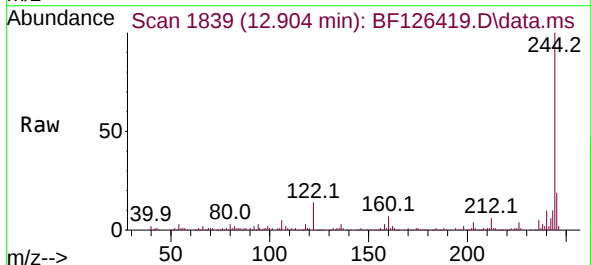
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

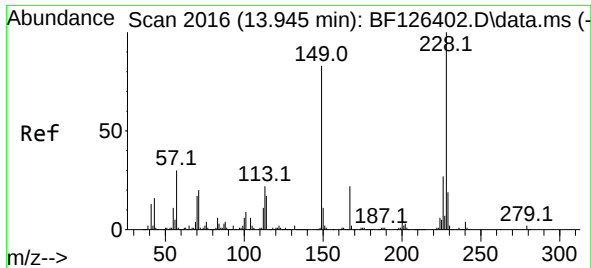
Tgt Ion:202 Resp: 610543
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 17.2 13.8 20.8



#79
Terphenyl-d14
Concen: 15.692 ng
RT: 12.904 min Scan# 1839
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Tgt Ion:244 Resp: 183828
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.4
122 14.1 13.3 19.9

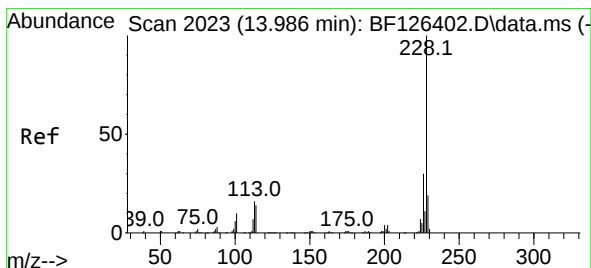
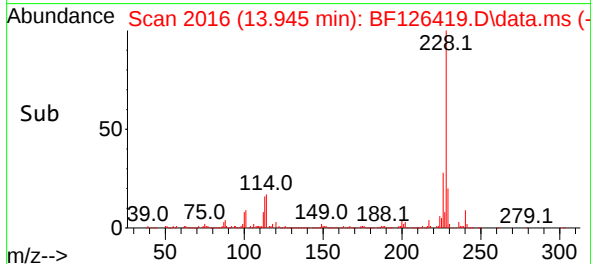
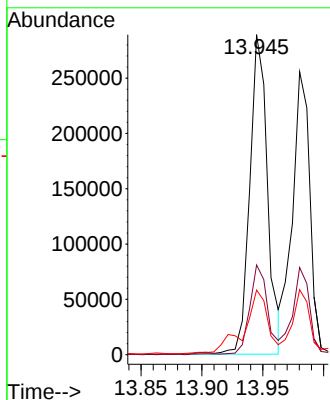
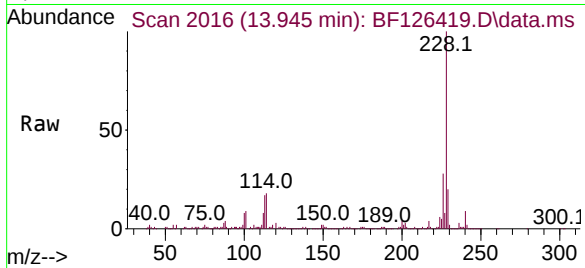




#81
Benzo(a)anthracene
Concen: 22.496 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

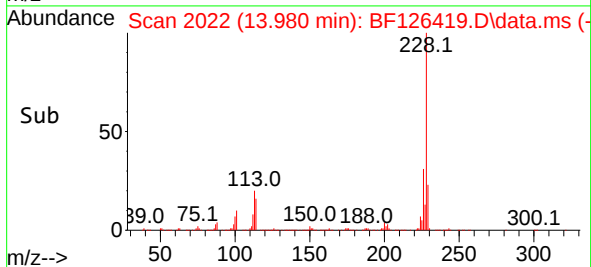
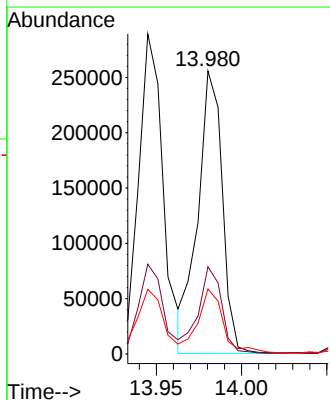
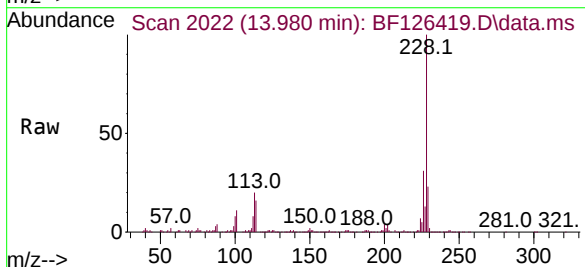
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

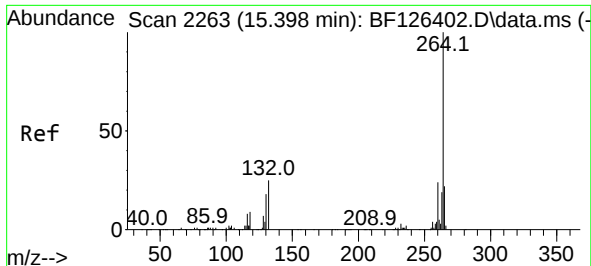
Tgt Ion:228 Resp: 294461
Ion Ratio Lower Upper
228 100
226 28.0 21.4 32.0
229 20.2 15.4 23.2



#83
Chrysene
Concen: 18.997 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Tgt Ion:228 Resp: 255062
Ion Ratio Lower Upper
228 100
226 30.9 23.7 35.5
229 23.0 15.5 23.3

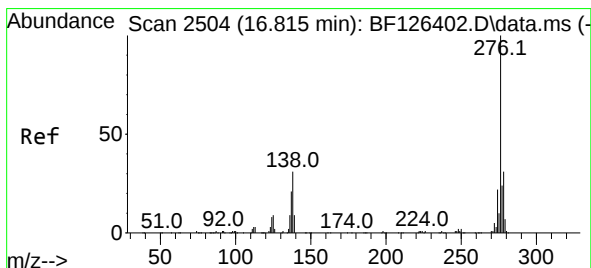
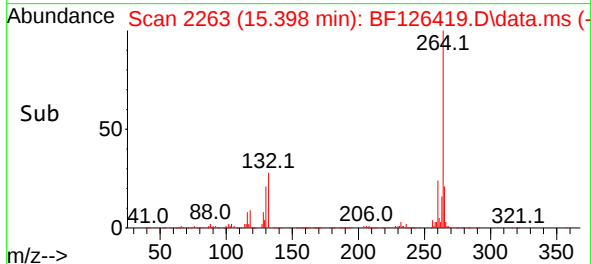
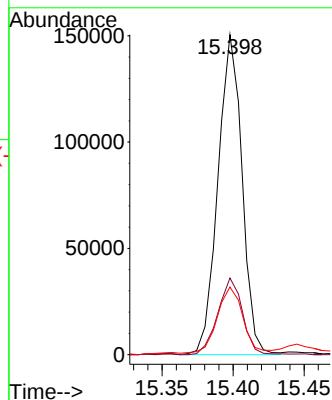
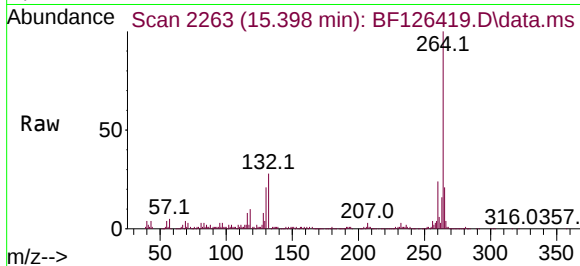




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

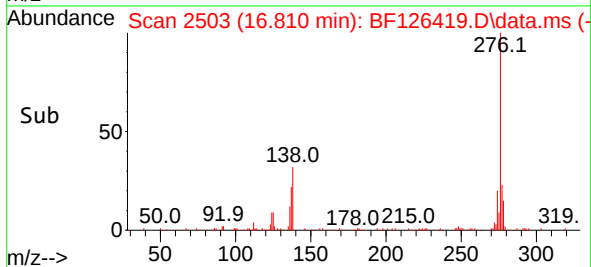
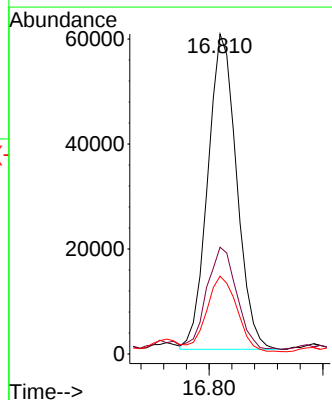
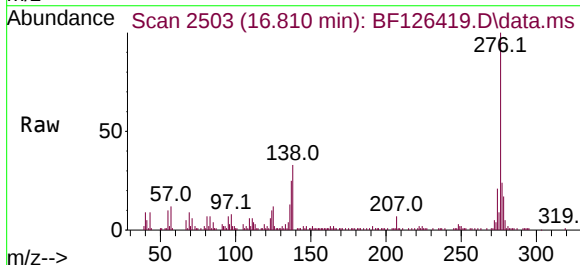
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

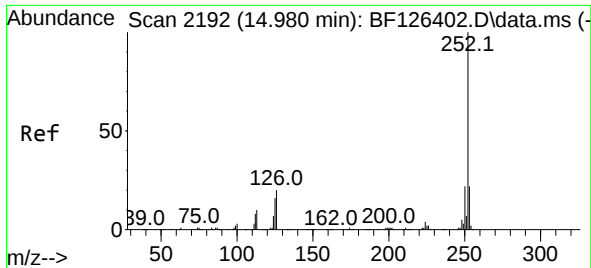
Tgt Ion:264 Resp: 177376
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.1 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.939 ng
RT: 16.810 min Scan# 2503
Delta R.T. -0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Tgt Ion:276 Resp: 106108
Ion Ratio Lower Upper
276 100
138 34.9 29.2 43.8
277 24.9 19.8 29.8

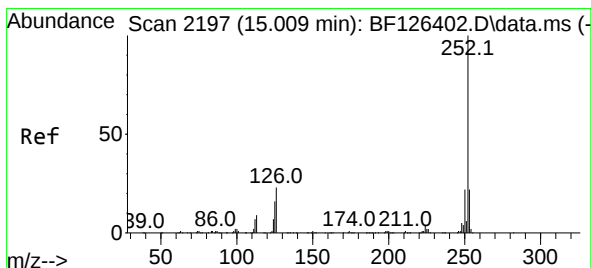
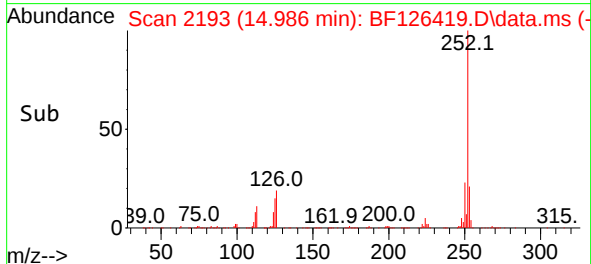
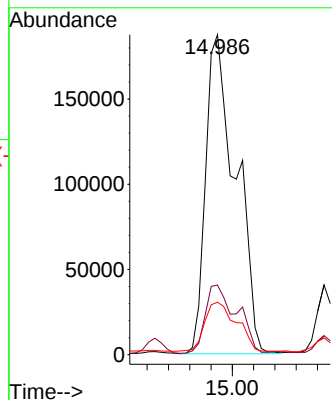
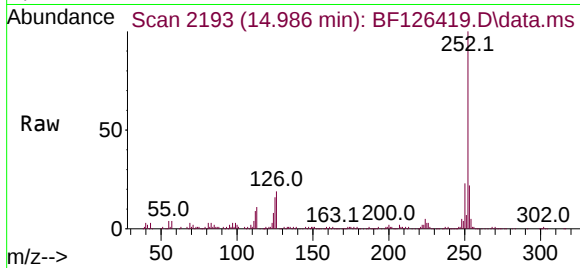




#88
Benzo(b)fluoranthene
Concen: 34.880 ng
RT: 14.986 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

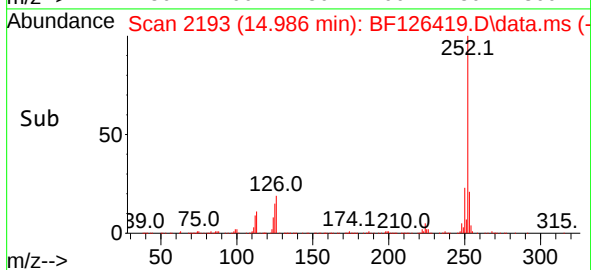
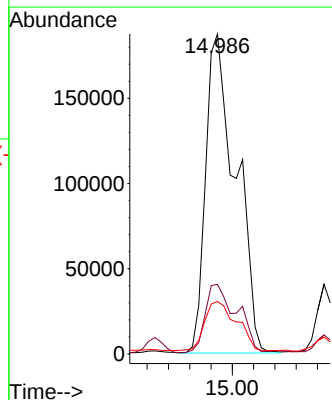
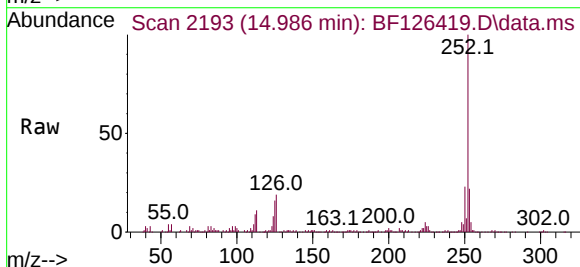
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

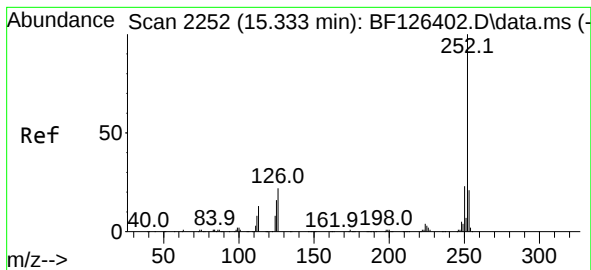
Tgt Ion:252 Resp: 368559
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 16.4 12.4 18.6



#89
Benzo(k)fluoranthene
Concen: 36.006 ng
RT: 14.986 min Scan# 2193
Delta R.T. -0.023 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Tgt Ion:252 Resp: 368559
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 16.4 11.8 17.6





#90

Benzo(a)pyrene

Concen: 22.512 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF126419.D

Acq: 30 Dec 2021 14:47

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-5-10

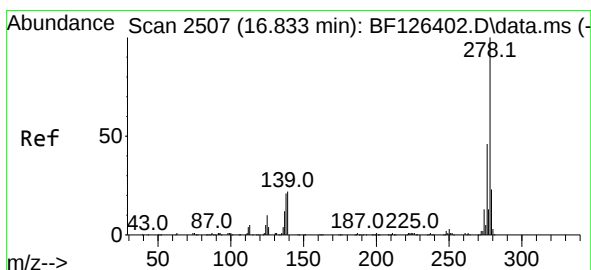
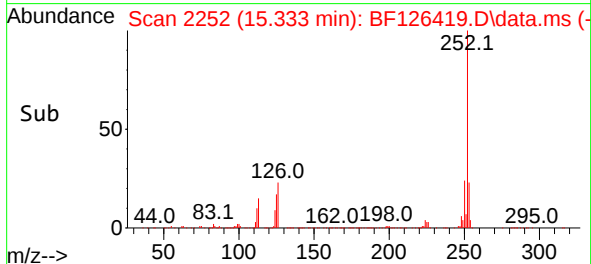
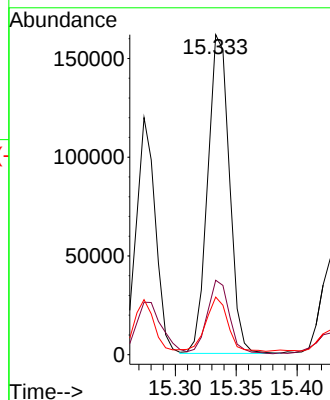
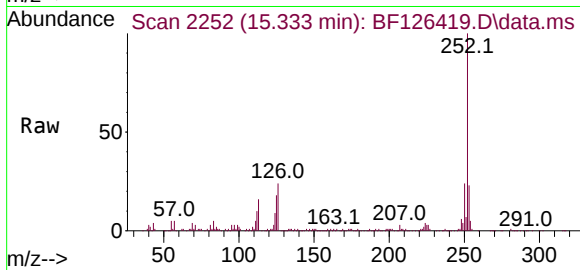
Tgt Ion:252 Resp: 199453

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 18.0 13.0 19.6



#91

Dibenzo(a,h)anthracene

Concen: 2.563 ng

RT: 16.986 min Scan# 2533

Delta R.T. 0.153 min

Lab File: BF126419.D

Acq: 30 Dec 2021 14:47

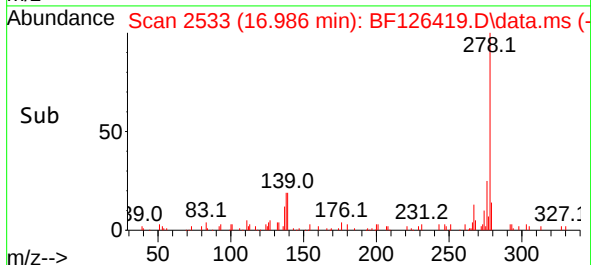
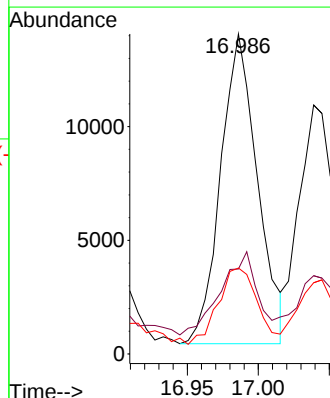
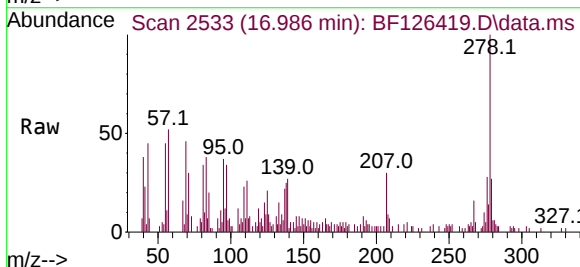
Tgt Ion:278 Resp: 24549

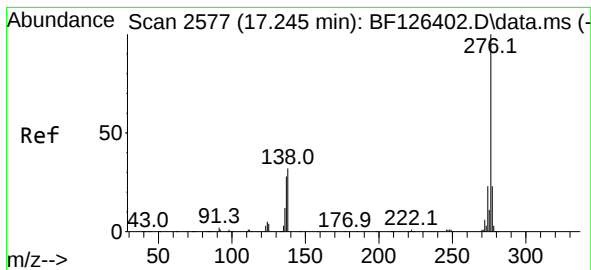
Ion Ratio Lower Upper

278 100

139 26.5 18.0 27.0

279 26.9 18.6 27.8





#92

Benzo(g,h,i)perylene

Concen: 10.517 ng

RT: 17.239 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126419.D

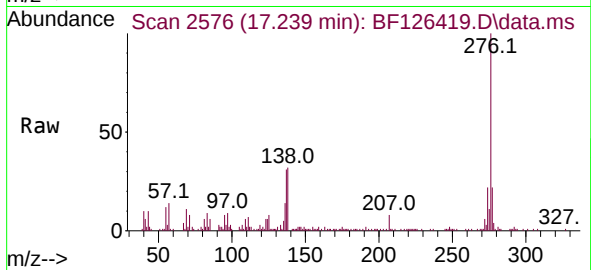
Acq: 30 Dec 2021 14:47

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-5-10



Tgt Ion:276 Resp: 107270

Ion Ratio Lower Upper

276 100

277 21.7 18.5 27.7

138 32.0 25.9 38.9

