

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126027.D
 Acq On : 3 Nov 2021 19:20
 Operator : JU/CG
 Sample : M4427-05 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 04 10:10:37 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

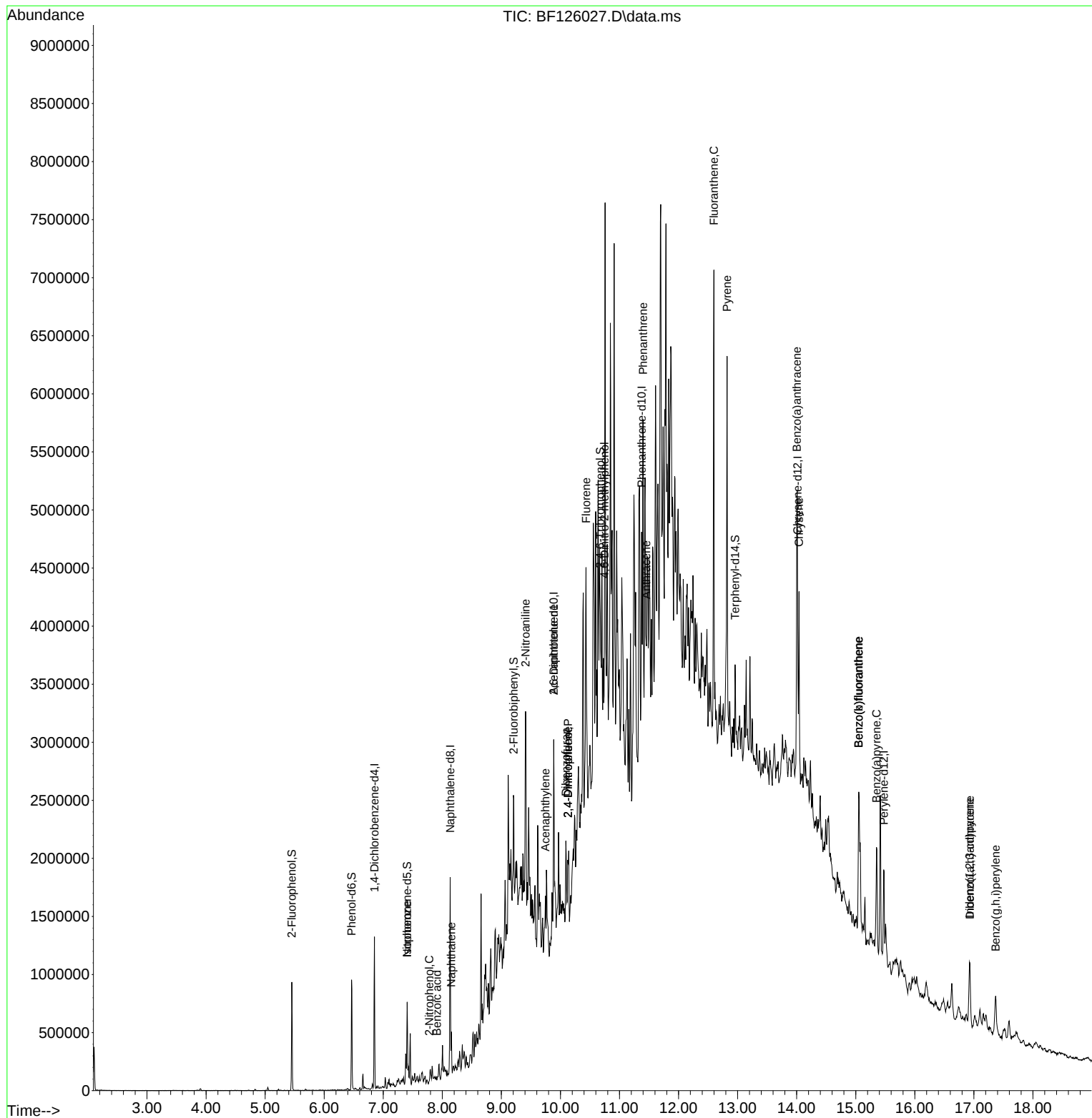
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	157357	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	554967	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	306492	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	490383	20.000	ng	0.00
76) Chrysene-d12	14.015	240	349879	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	358136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	181145	19.769	ng	-0.01
7) Phenol-d6	6.463	99	238776	18.485	ng	-0.02
23) Nitrobenzene-d5	7.404	82	179234	15.231	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	63168	17.984	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	322432	14.216	ng	0.00
79) Terphenyl-d14	12.957	244	261844	12.068	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	632	Below Cal	#	44
25) Isophorone	7.404	82	175392	8.278	ng	# 59
26) 2-Nitrophenol	7.780	139	647	4.770	ng	# 1
31) Naphthalene	8.151	128	130229	4.530	ng	97
32) Benzoic acid	7.910	122	687	9.258	ng	87
48) 2-Nitroaniline	9.410	65	10887	4.528	ng	# 23
49) Acenaphthylene	9.745	152	56638	2.009	ng	# 90
51) 2,6-Dinitrotoluene	9.886	165	41761	10.919	ng	# 30
54) 2,4-Dinitrophenol	10.127	184	109	6.793	ng	# 1
55) Dibenzofuran	10.092	168	112947	4.218	ng	92
57) 2,4-Dinitrotoluene	10.127	165	2004	3.505	ng	# 59
58) Fluorene	10.433	166	48424	2.253	ng	# 99
65) 4,6-Dinitro-2-methylph...	10.745	198	231	8.398	ng	# 1
71) Phenanthrene	11.398	178	144817	5.446	ng	96
72) Anthracene	11.451	178	163277	6.150	ng	98
75) Fluoranthene	12.598	202	1502081	50.722	ng	92
78) Pyrene	12.821	202	1229751	43.828	ng	95
81) Benzo(a)anthracene	14.004	228	740357	30.802	ng	96
83) Chrysene	14.039	228	540216	24.155	ng	95
87) Indeno(1,2,3-cd)pyrene	16.927	276	339898	16.034	ng	# 82
88) Benzo(b)fluoranthene	15.051	252	999660	42.913	ng	96
89) Benzo(k)fluoranthene	15.051	252	999660	44.238	ng	99
90) Benzo(a)pyrene	15.351	252	379538	20.680	ng	97
91) Dibenzo(a,h)anthracene	16.933	278	107890	6.197	ng	96
92) Benzo(g,h,i)perylene	17.368	276	290487	17.397	ng	# 85

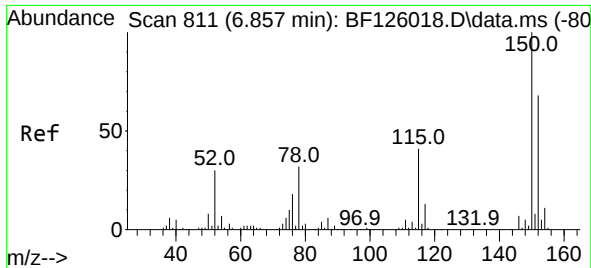
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
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Acq On : 3 Nov 2021 19:20
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Sample : M4427-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

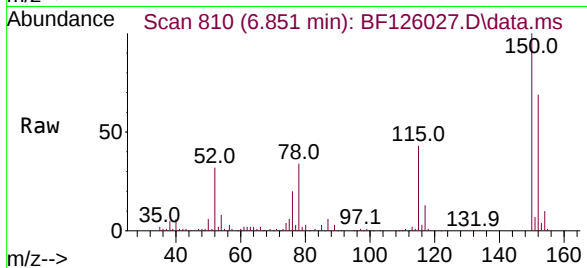
Quant Time: Nov 04 10:10:37 2021
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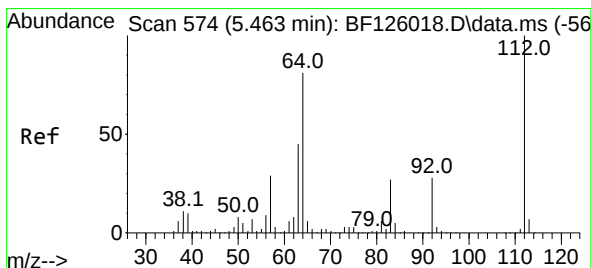
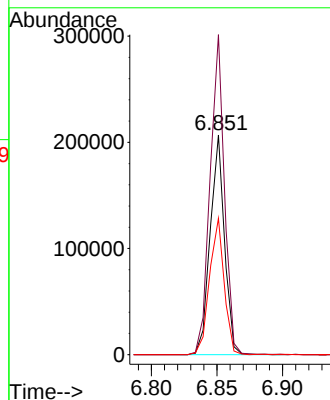
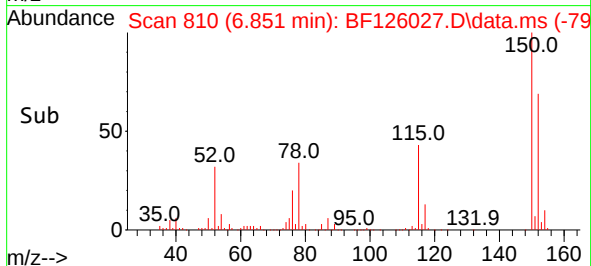


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

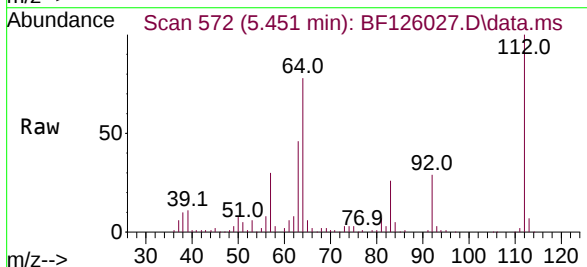
Instrument :
BNA_F
ClientSampleId :



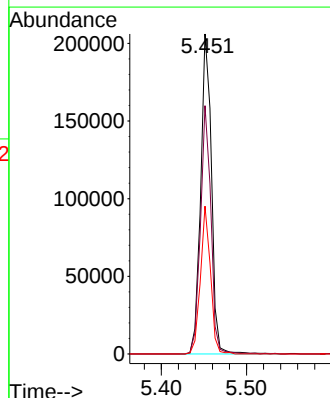
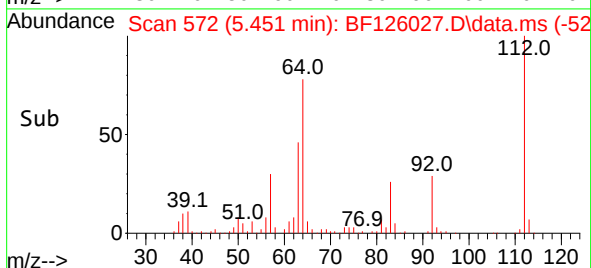
Tgt Ion:152 Resp: 157357
Ion Ratio Lower Upper
152 100
150 145.7 117.6 176.4
115 62.0 47.1 70.7

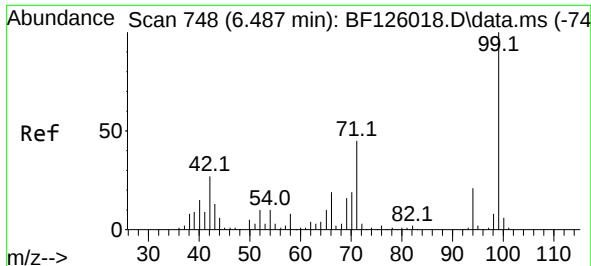


#5
2-Fluorophenol
Concen: 19.769 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20



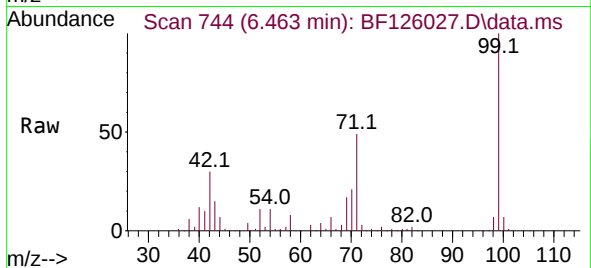
Tgt Ion:112 Resp: 181145
Ion Ratio Lower Upper
112 100
64 77.6 44.2 66.2#
63 46.2 26.2 39.2#



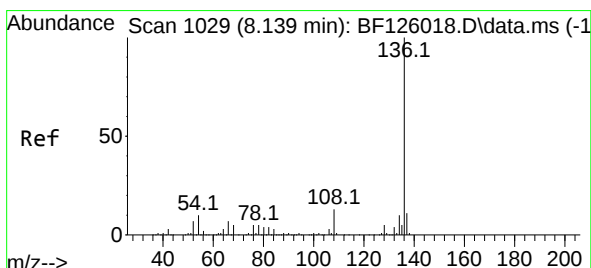
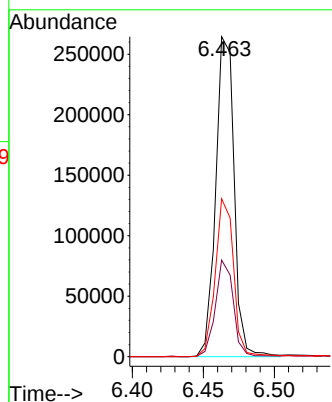
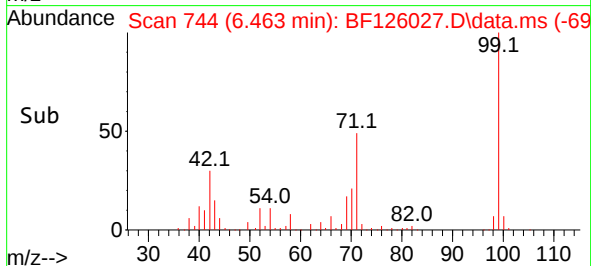


#7
Phenol-d6
Concen: 18.485 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Instrument :
BNA_F
ClientSampleId :

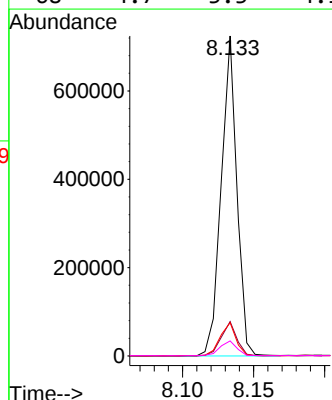
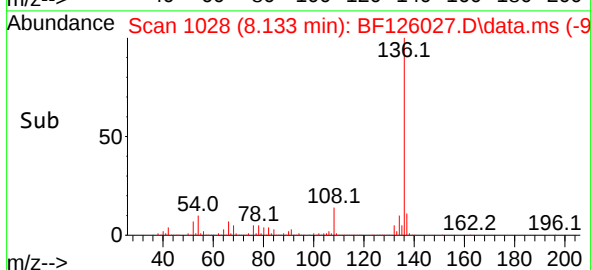
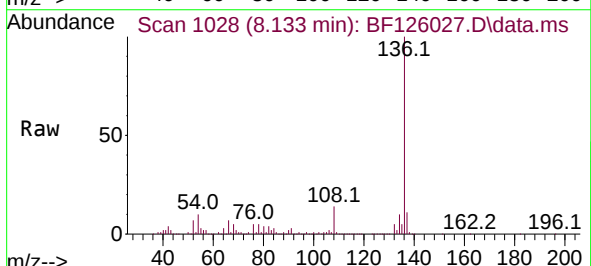


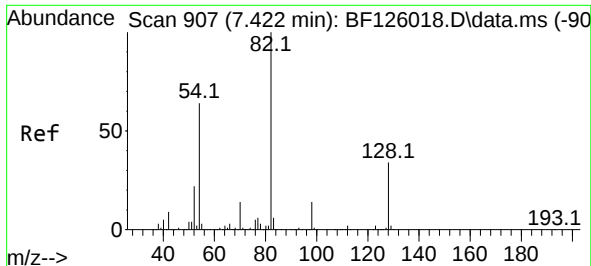
Tgt Ion: 99 Resp: 238776
Ion Ratio Lower Upper
99 100
42 30.2 23.5 35.3
71 49.3 25.6 38.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Tgt Ion: 136 Resp: 554967
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 10.4 6.4 9.6#
68 4.7 3.3 4.9





#23

Nitrobenzene-d5

Concen: 15.231 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.018 min

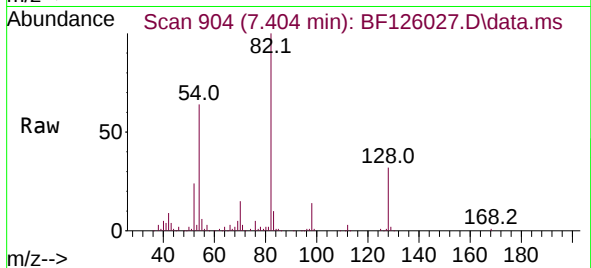
Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

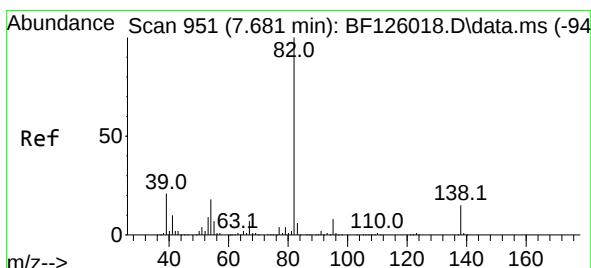
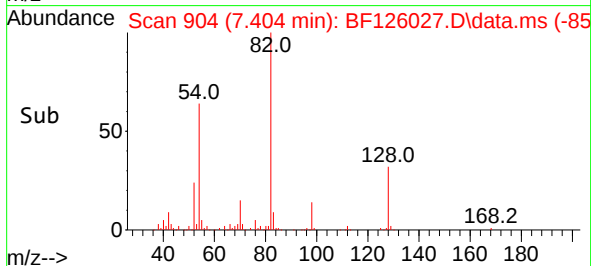
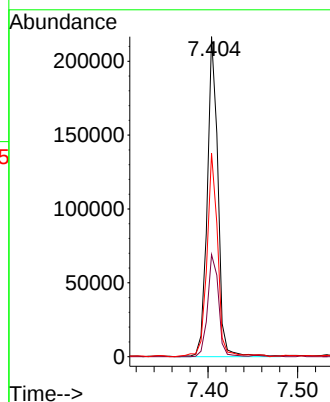
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	82	Resp:	179234
Ion	Ratio	Lower	Upper
82	100		
128	31.9	40.6	60.8#
54	63.5	49.6	74.4



#25

Isophorone

Concen: 8.278 ng

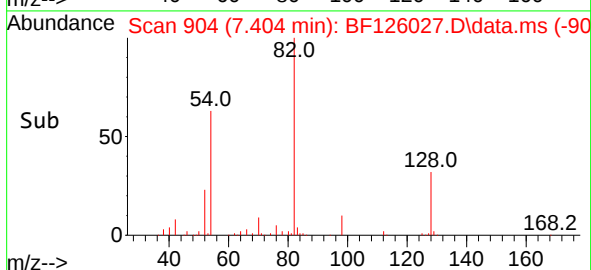
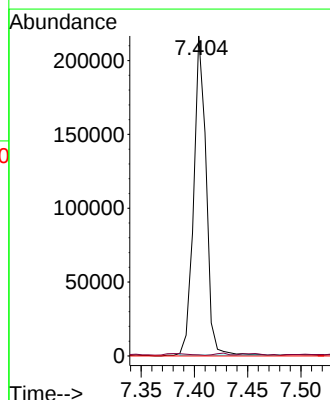
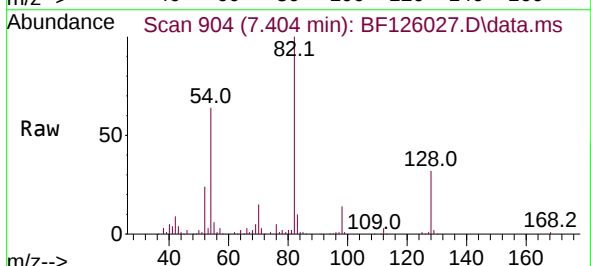
RT: 7.404 min Scan# 904

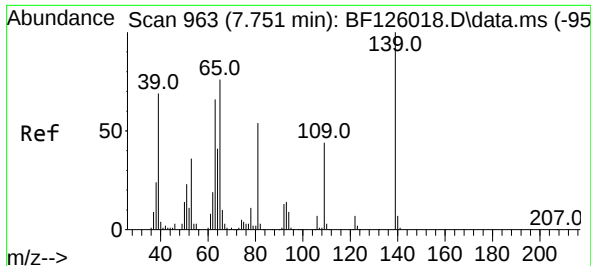
Delta R.T. -0.277 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

Tgt Ion:	82	Resp:	175392
Ion	Ratio	Lower	Upper
82	100		
95	0.3	6.5	9.7#
138	0.0	18.4	27.6#

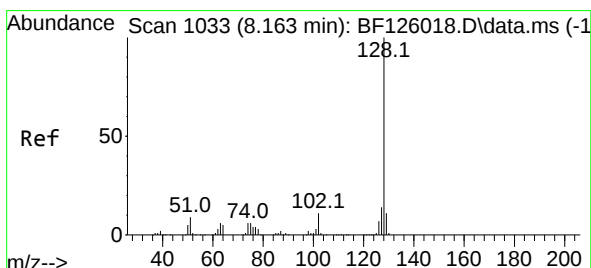
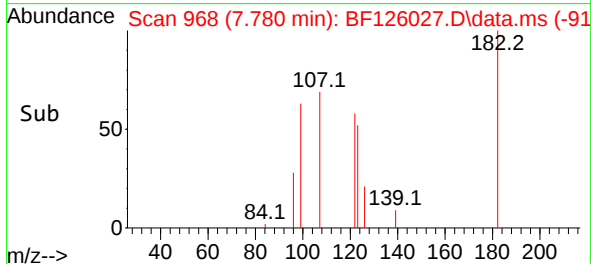
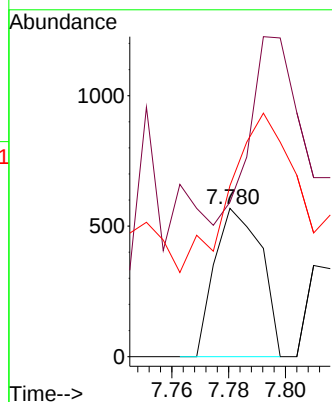
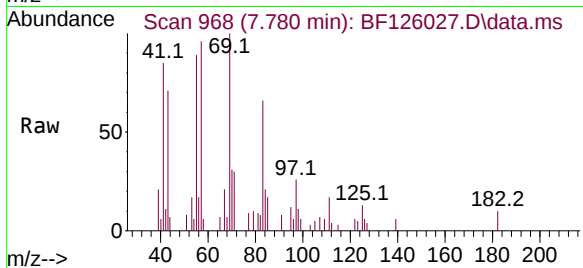




#26
2-Nitrophenol
Concen: 4.770 ng
RT: 7.780 min Scan# 90
Delta R.T. 0.029 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

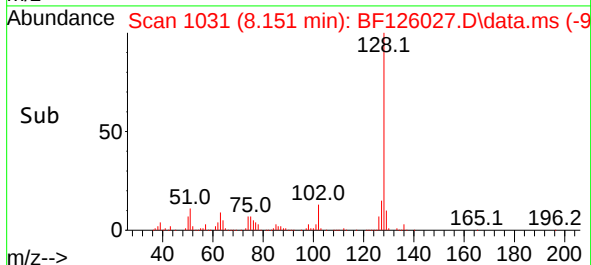
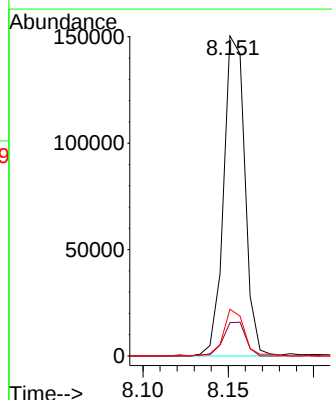
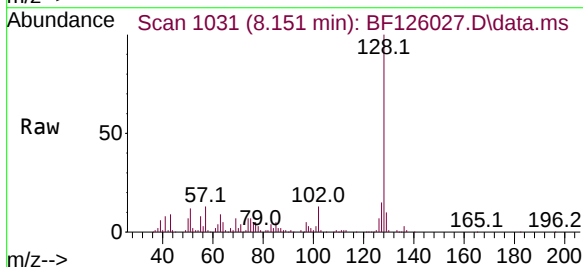
Instrument :
BNA_F
ClientSampleId :

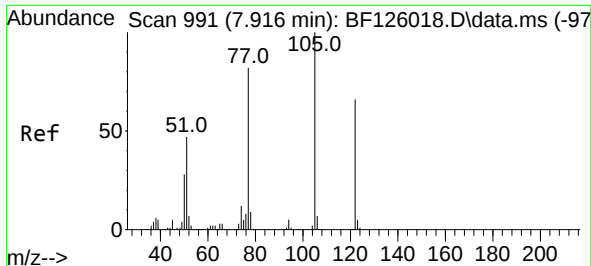
Tgt Ion:139 Resp: 647
Ion Ratio Lower Upper
139 100
109 104.2 26.0 39.0#
65 115.3 31.0 46.4#



#31
Naphthalene
Concen: 4.530 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.012 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

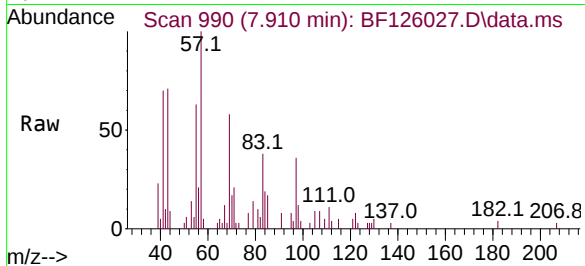
Tgt Ion:128 Resp: 130229
Ion Ratio Lower Upper
128 100
129 10.4 9.4 14.0
127 14.6 10.9 16.3



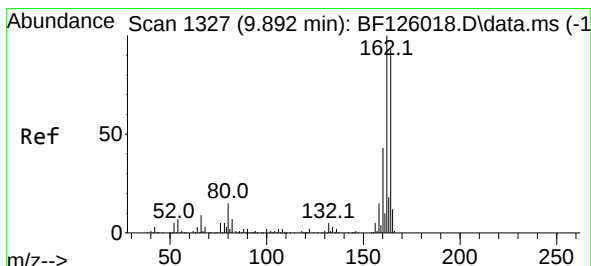
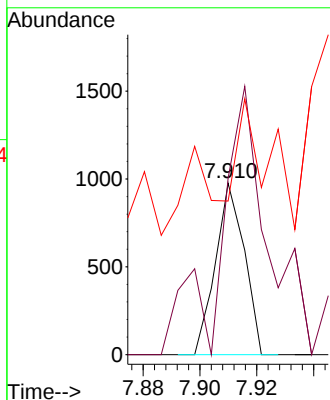
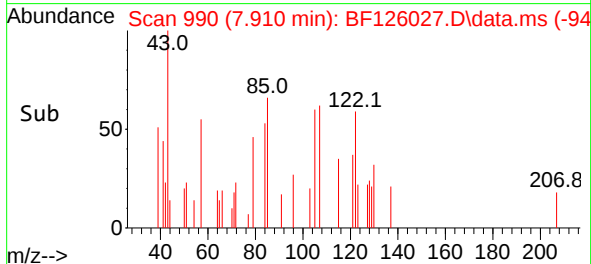


#32
Benzoic acid
Concen: 9.258 ng
RT: 7.910 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Instrument :
BNA_F
ClientSampleId :

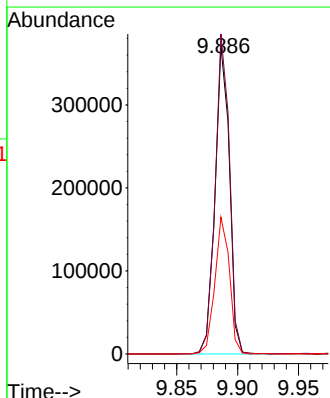
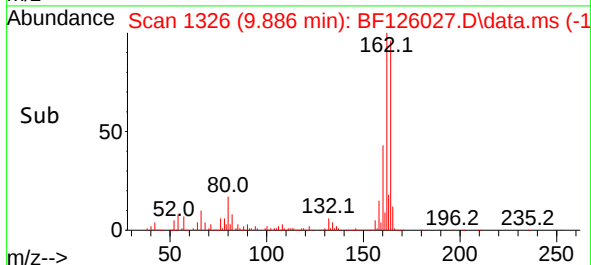
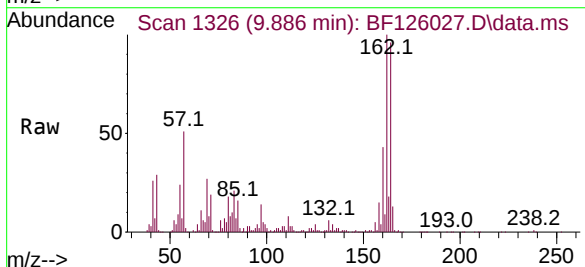


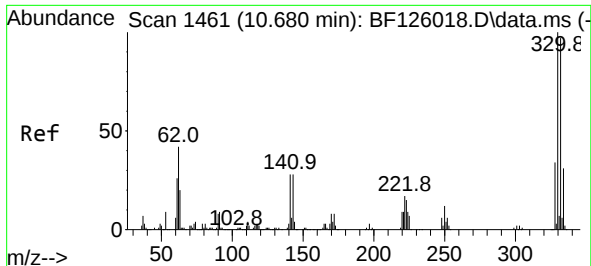
Tgt Ion:122 Resp: 687
Ion Ratio Lower Upper
122 100
105 103.0 97.6 137.6
77 89.5 59.6 99.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Tgt Ion:164 Resp: 306492
Ion Ratio Lower Upper
164 100
162 103.9 81.3 121.9
160 44.4 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 17.984 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

Instrument :

BNA_F

ClientSampleId :

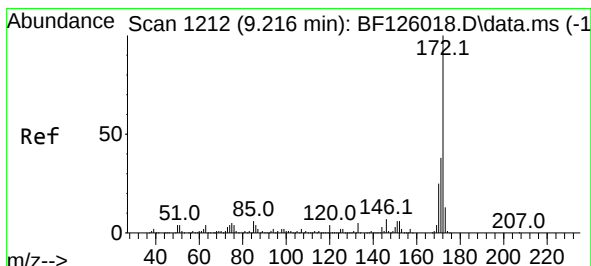
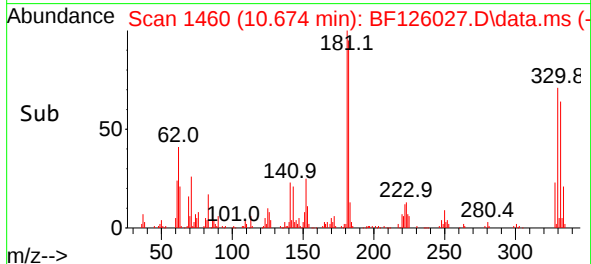
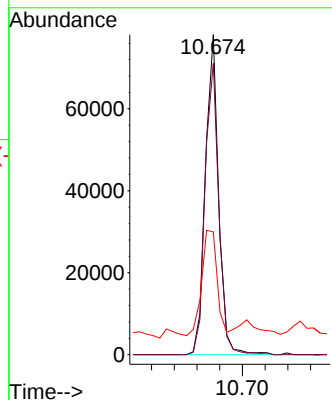
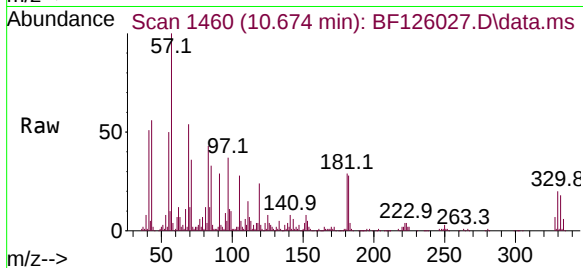
Tgt Ion:330 Resp: 63168

Ion Ratio Lower Upper

330 100

332 94.4 76.2 114.4

141 39.1 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 14.216 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

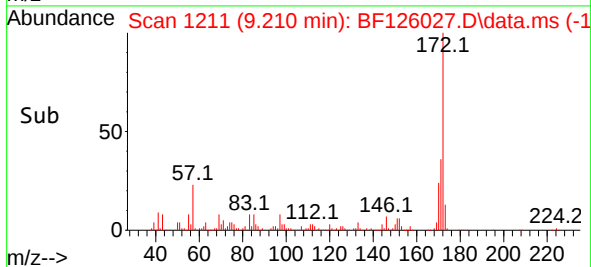
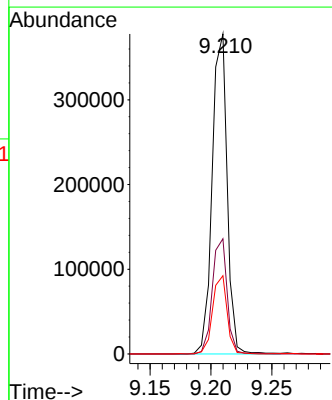
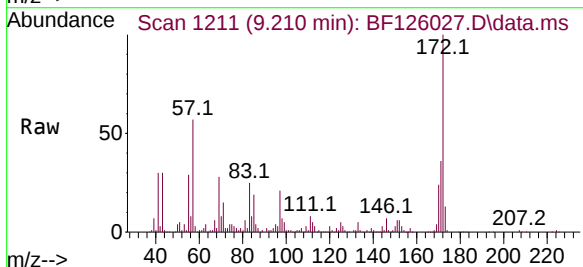
Tgt Ion:172 Resp: 322432

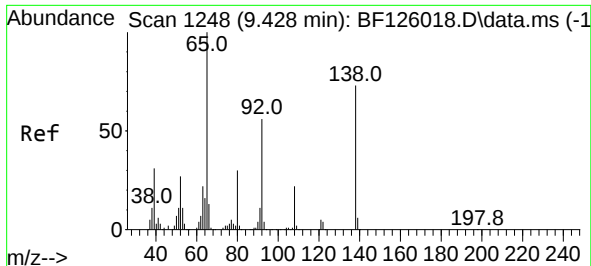
Ion Ratio Lower Upper

172 100

171 36.0 26.5 39.7

170 24.5 18.8 28.2

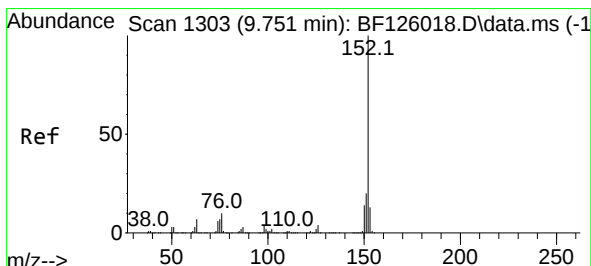
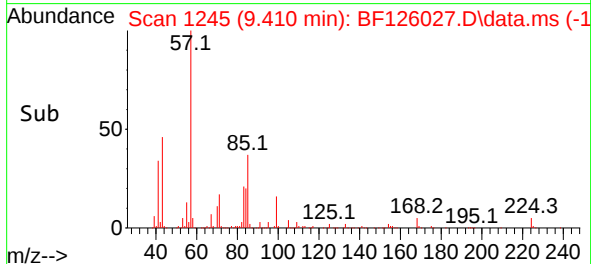
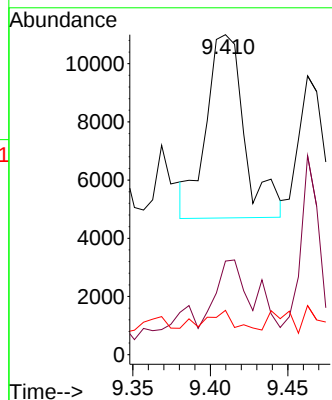
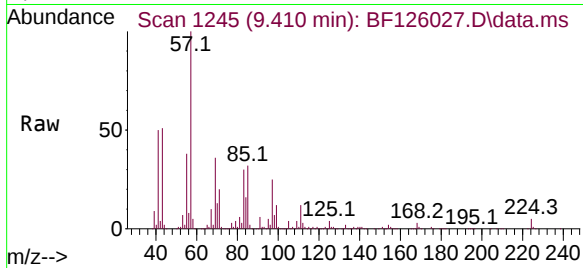




#48
2-Nitroaniline
Concen: 4.528 ng
RT: 9.410 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

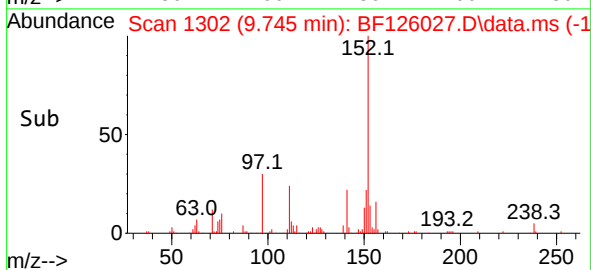
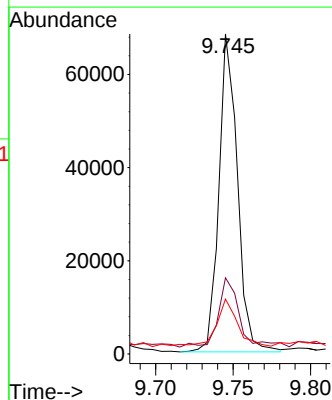
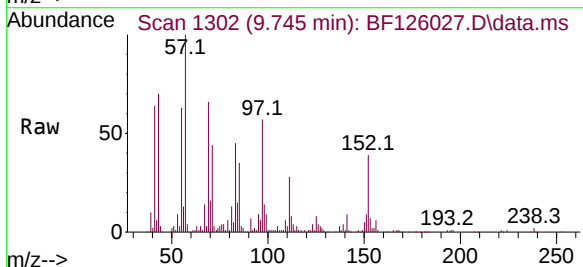
Instrument :
BNA_F
ClientSampleId :

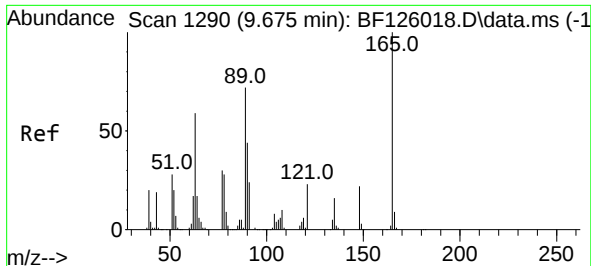
Tgt Ion: 65 Resp: 10887
Ion Ratio Lower Upper
65 100
92 29.3 55.5 83.3#
138 13.9 93.5 140.3#



#49
Acenaphthylene
Concen: 2.009 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Tgt Ion: 152 Resp: 56638
Ion Ratio Lower Upper
152 100
151 23.8 15.7 23.5#
153 17.1 9.8 14.8#





#51

2,6-Dinitrotoluene

Concen: 10.919 ng

RT: 9.886 min Scan# 11

Delta R.T. 0.211 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

Instrument :

BNA_F

ClientSampleId :

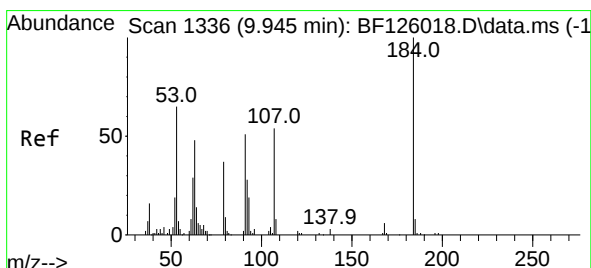
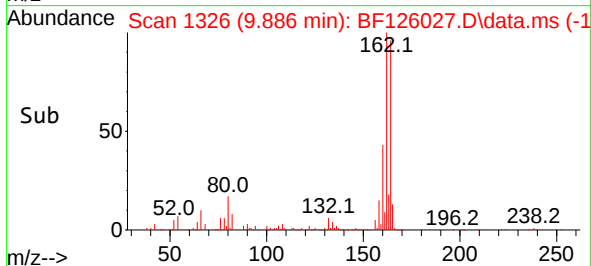
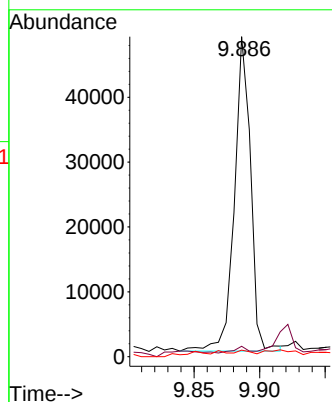
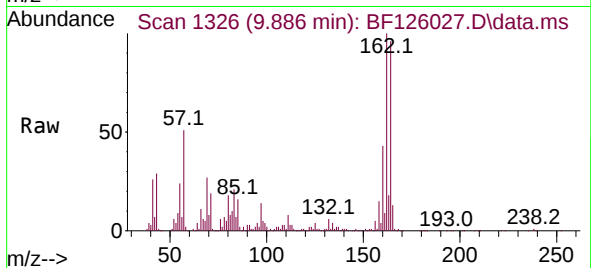
Tgt Ion:165 Resp: 41761

Ion Ratio Lower Upper

165 100

63 3.3 42.6 63.8#

89 2.1 40.6 60.8#



#54

2,4-Dinitrophenol

Concen: 6.793 ng

RT: 10.127 min Scan# 1367

Delta R.T. 0.182 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

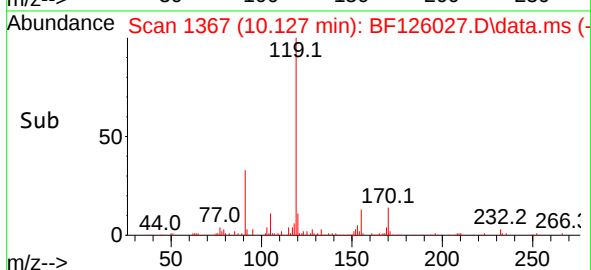
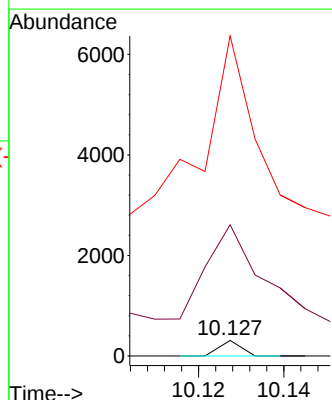
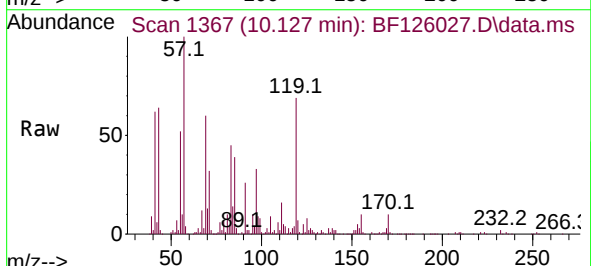
Tgt Ion:184 Resp: 109

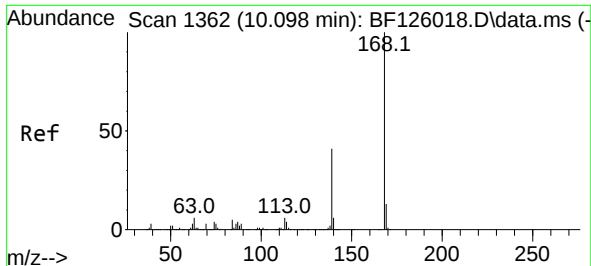
Ion Ratio Lower Upper

184 100

63 844.7 59.3 88.9#

154 2060.5 68.6 102.8#





#55

Dibenzenofuran

Concen: 4.218 ng

RT: 10.092 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

Instrument :

BNA_F

ClientSampleId :

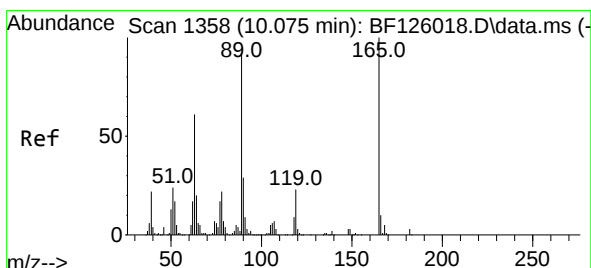
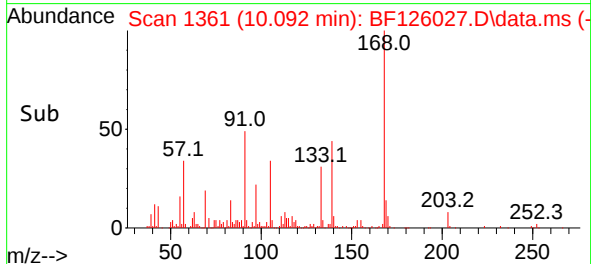
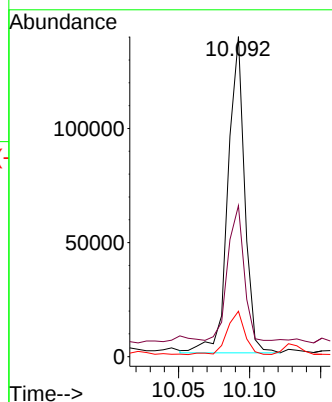
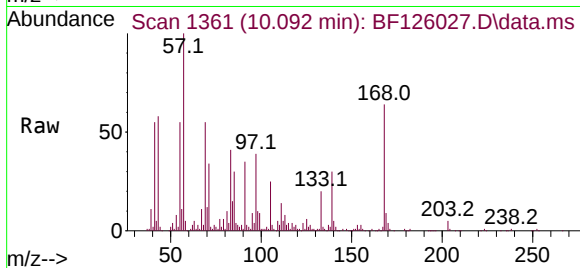
Tgt Ion:168 Resp: 112947

Ion Ratio Lower Upper

168 100

139 47.2 32.7 49.1

169 14.2 11.2 16.8



#57

2,4-Dinitrotoluene

Concen: 3.505 ng

RT: 10.127 min Scan# 1367

Delta R.T. 0.052 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

Tgt Ion:165 Resp: 2004

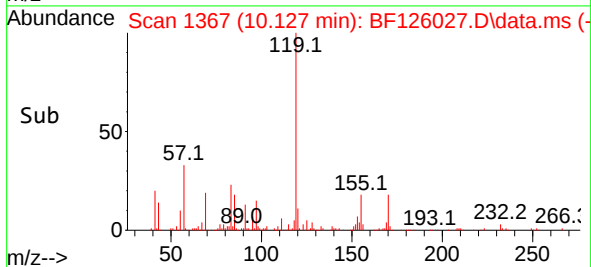
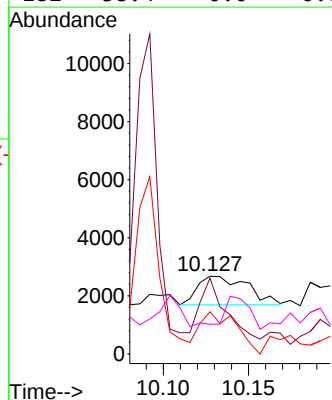
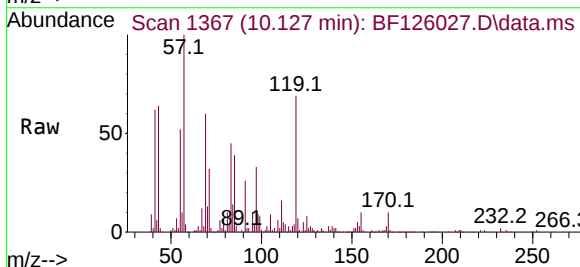
Ion Ratio Lower Upper

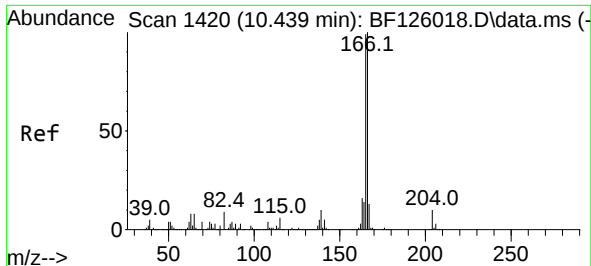
165 100

63 97.5 40.9 61.3#

89 54.2 59.7 89.5#

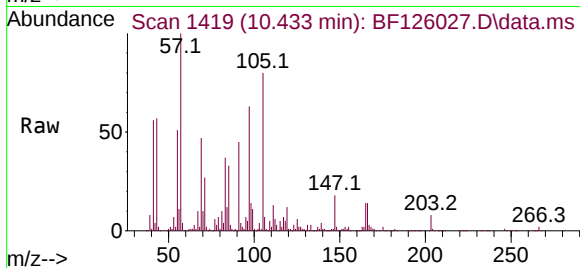
182 38.4 0.0 0.0#



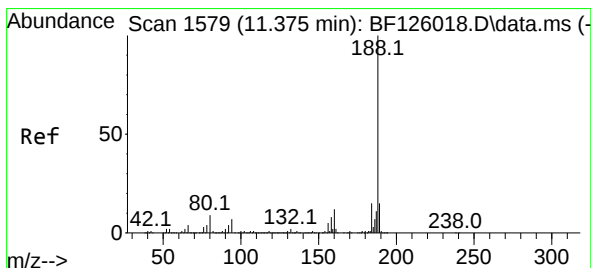
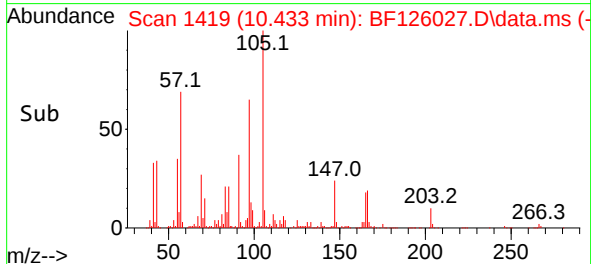
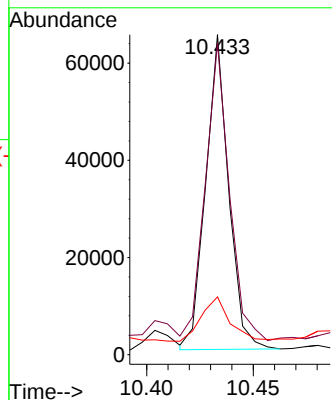


#58
Fluorene
Concen: 2.253 ng
RT: 10.433 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Instrument :
BNA_F
ClientSampleId :

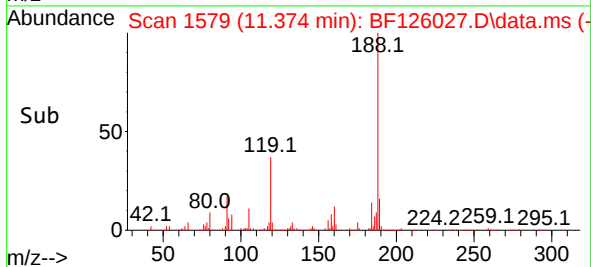
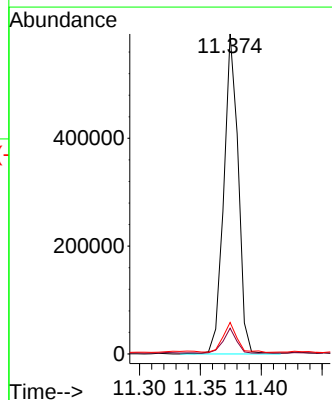
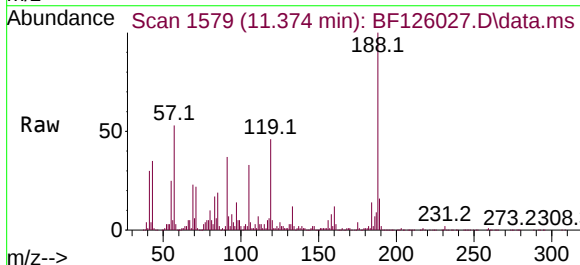


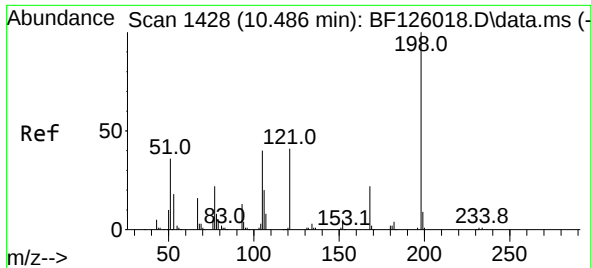
Tgt Ion:166 Resp: 48424
Ion Ratio Lower Upper
166 100
165 97.5 78.1 117.1
167 18.1 11.1 16.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.001 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Tgt Ion:188 Resp: 490383
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 9.8 7.5 11.3

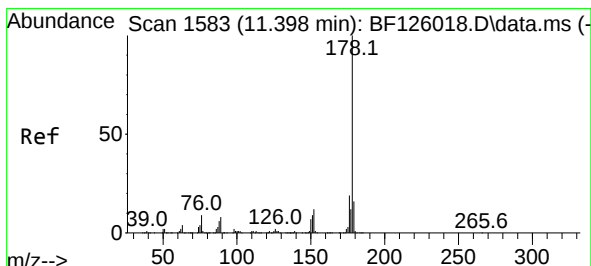
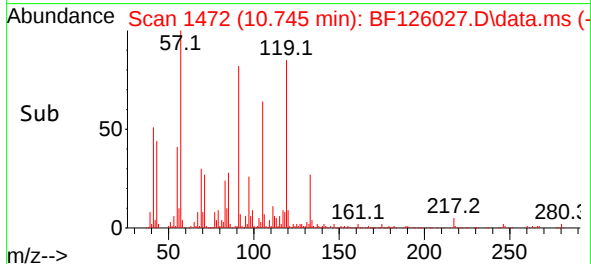
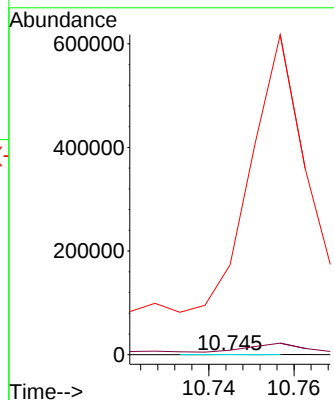
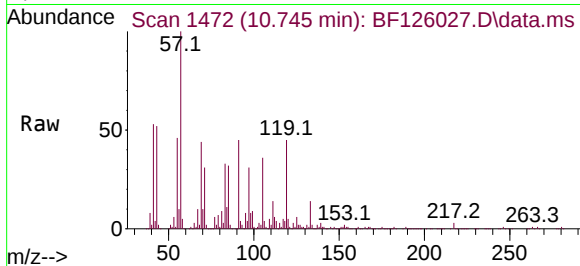




#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.398 ng
 RT: 10.745 min Scan# 14
 Delta R.T. 0.259 min
 Lab File: BF126027.D
 Acq: 3 Nov 2021 19:20

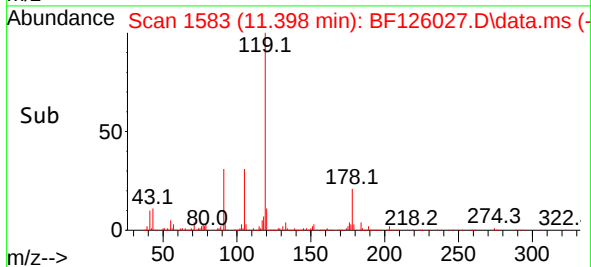
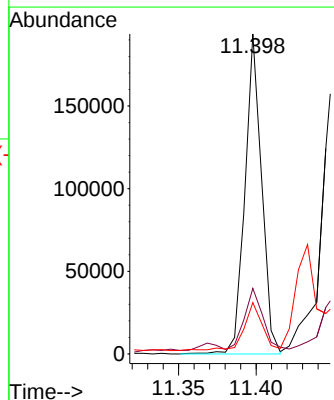
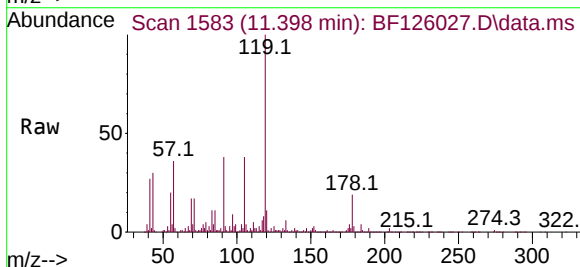
Instrument :
 BNA_F
 ClientSampleId :

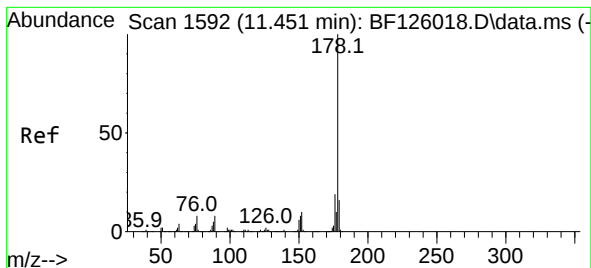
Tgt Ion:198 Resp: 231
 Ion Ratio Lower Upper
 198 100
 51 2627.1 45.3 85.3#
 105 52736.8 30.6 70.6#



#71
 Phenanthrene
 Concen: 5.446 ng
 RT: 11.398 min Scan# 1583
 Delta R.T. -0.000 min
 Lab File: BF126027.D
 Acq: 3 Nov 2021 19:20

Tgt Ion:178 Resp: 144817
 Ion Ratio Lower Upper
 178 100
 176 20.5 14.7 22.1
 179 16.0 11.5 17.3





#72

Anthracene

Concen: 6.150 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

Instrument :

BNA_F

ClientSampleId :

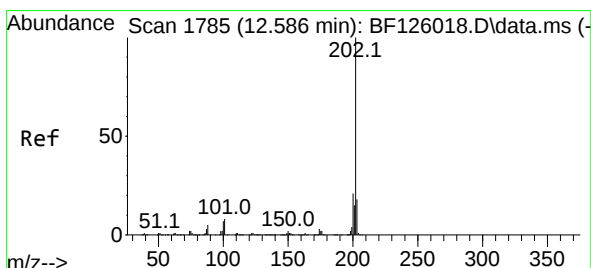
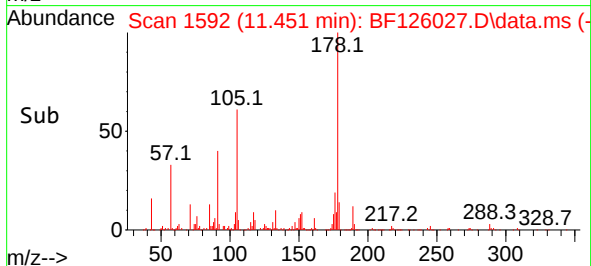
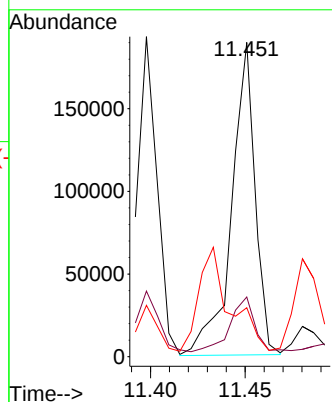
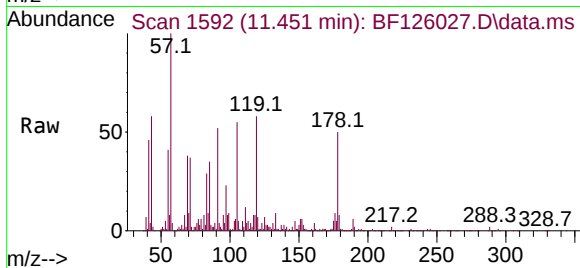
Tgt Ion:178 Resp: 163277

Ion Ratio Lower Upper

178 100

176 19.0 14.3 21.5

179 15.6 12.2 18.4



#75

Fluoranthene

Concen: 50.722 ng

RT: 12.598 min Scan# 1787

Delta R.T. 0.012 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

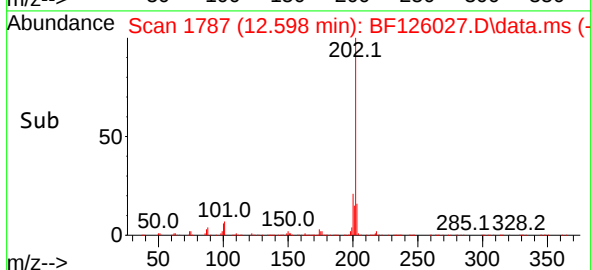
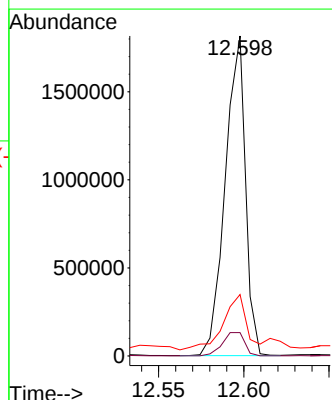
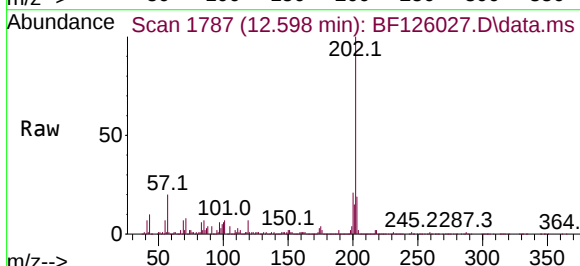
Tgt Ion:202 Resp: 1502081

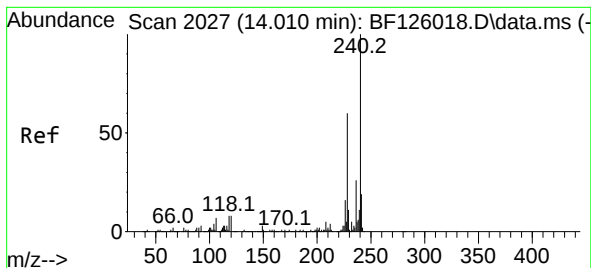
Ion Ratio Lower Upper

202 100

101 7.3 0.0 30.7

203 19.2 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2027

Delta R.T. 0.005 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

Instrument :

BNA_F

ClientSampleId :

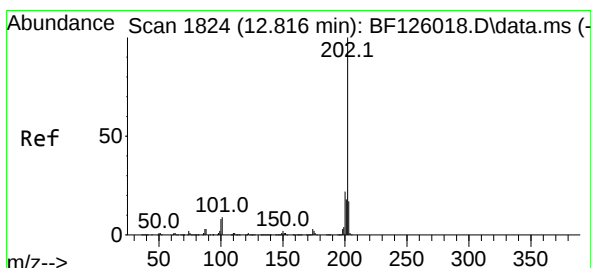
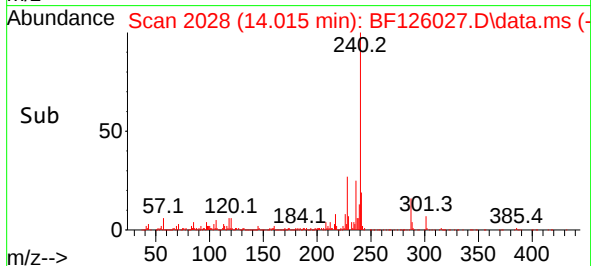
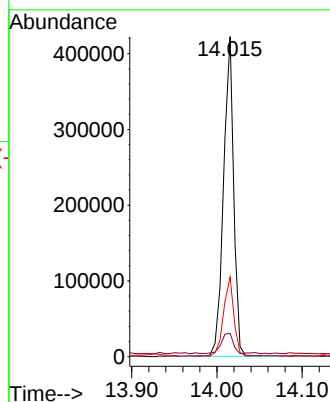
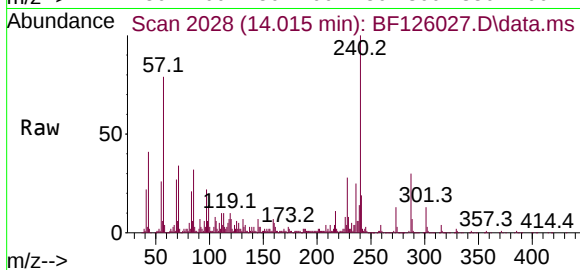
Tgt Ion:240 Resp: 349879

Ion Ratio Lower Upper

240 100

120 7.3 10.8 16.2#

236 24.9 21.6 32.4



#78

Pyrene

Concen: 43.828 ng

RT: 12.821 min Scan# 1825

Delta R.T. 0.005 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

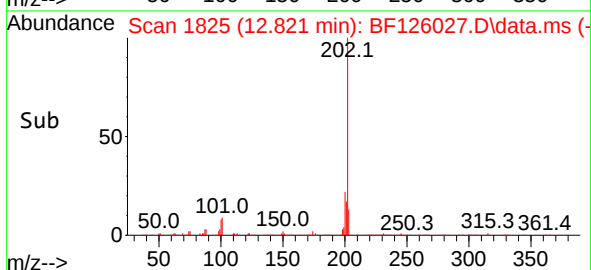
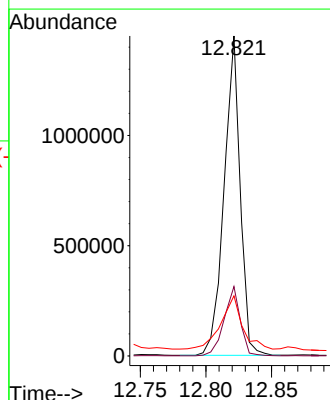
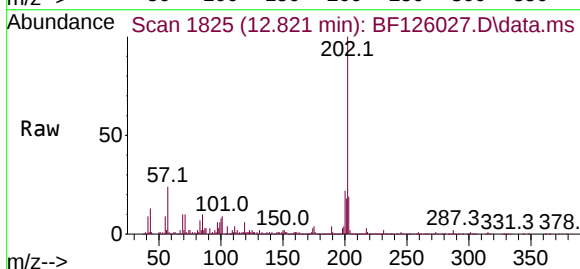
Tgt Ion:202 Resp: 1229751

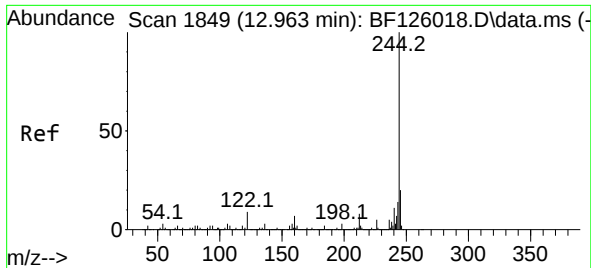
Ion Ratio Lower Upper

202 100

200 21.7 15.3 22.9

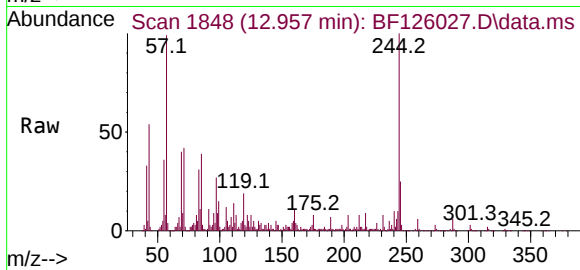
203 18.8 13.4 20.0



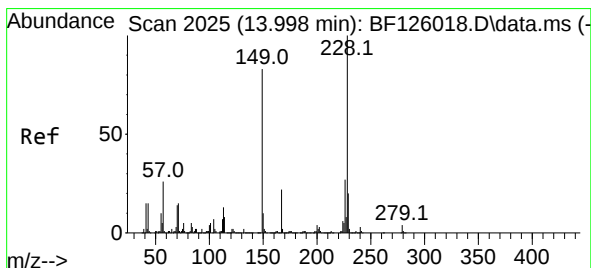
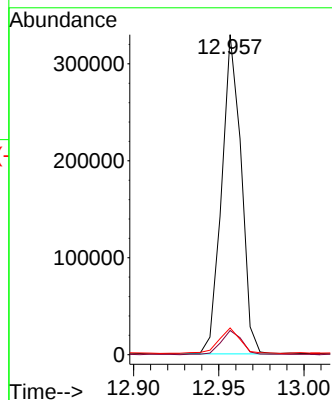
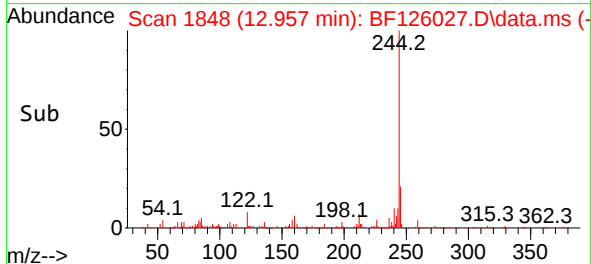


#79
 Terphenyl-d14
 Concen: 12.068 ng
 RT: 12.957 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126027.D
 Acq: 3 Nov 2021 19:20

Instrument :
 BNA_F
 ClientSampleId :

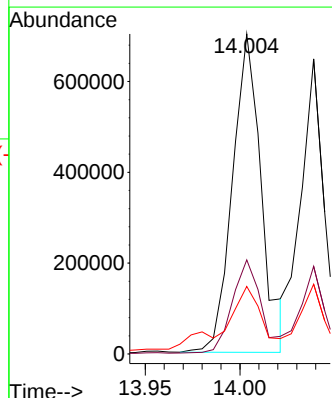
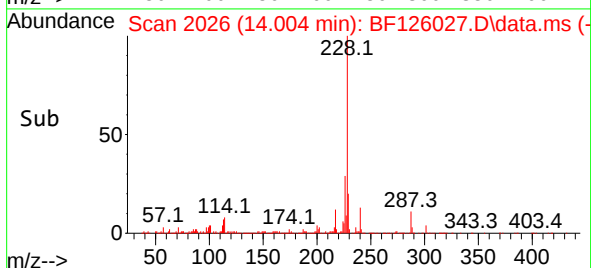
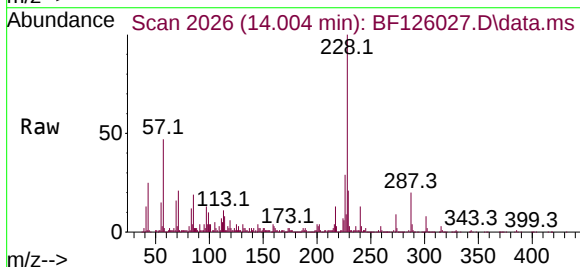


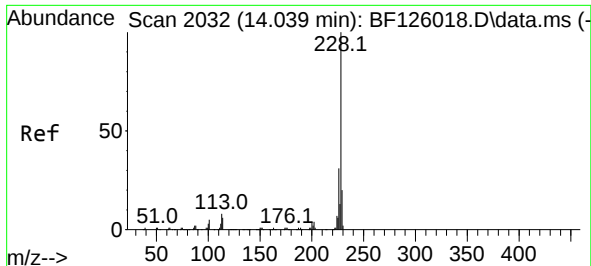
Tgt Ion:244 Resp: 261844
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 8.3 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 30.802 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.006 min
 Lab File: BF126027.D
 Acq: 3 Nov 2021 19:20

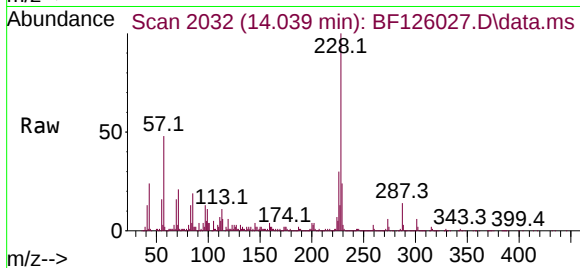
Tgt Ion:228 Resp: 740357
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.6 32.4
 229 21.1 15.6 23.4



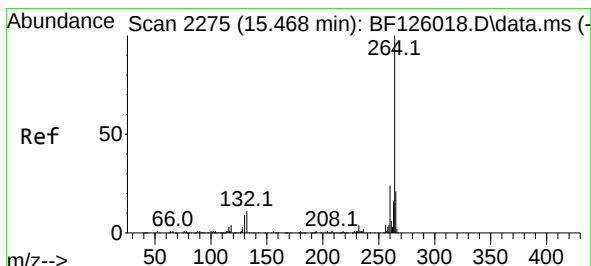
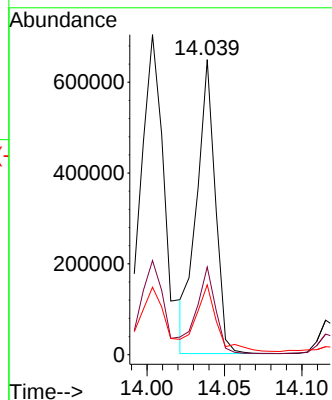
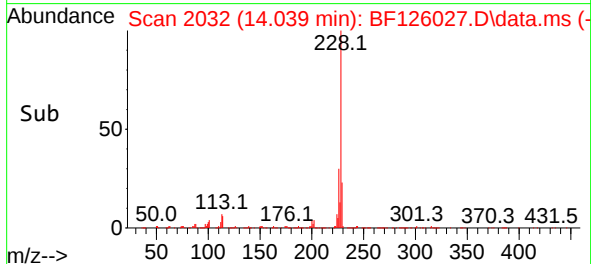


#83
Chrysene
Concen: 24.155 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Instrument :
BNA_F
ClientSampleId :

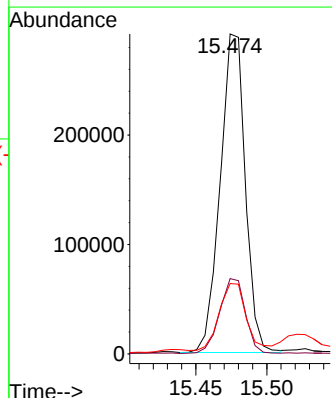
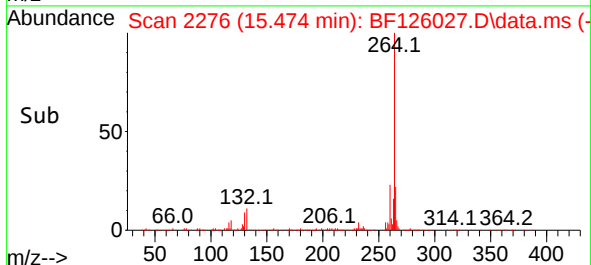
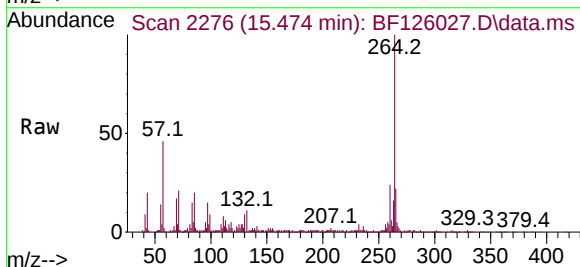


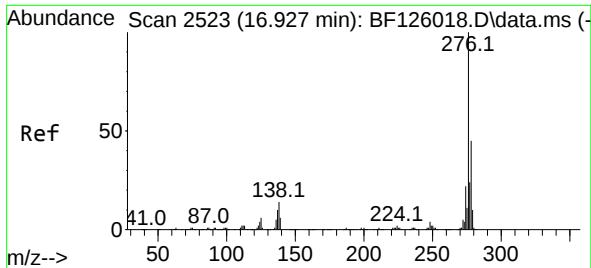
Tgt Ion:228 Resp: 540216
Ion Ratio Lower Upper
228 100
226 29.7 22.6 34.0
229 23.6 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Tgt Ion:264 Resp: 358136
Ion Ratio Lower Upper
264 100
260 23.5 19.6 29.4
265 22.0 17.2 25.8

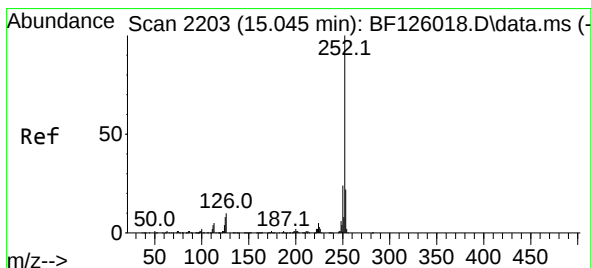
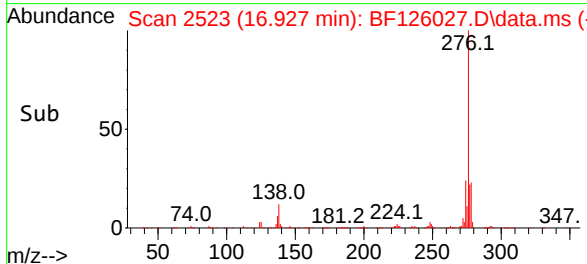
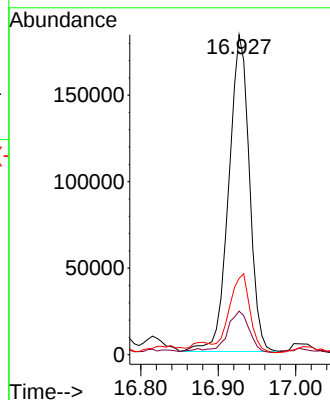
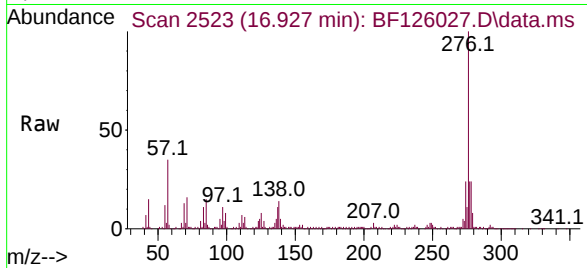




#87
Indeno(1,2,3-cd)pyrene
Concen: 16.034 ng
RT: 16.927 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

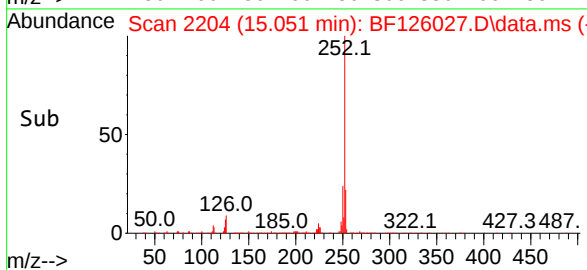
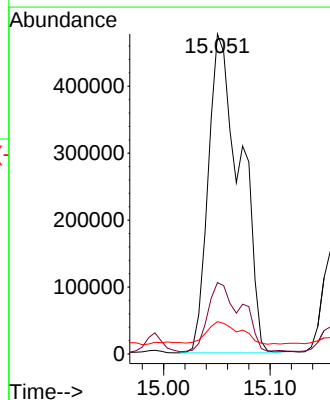
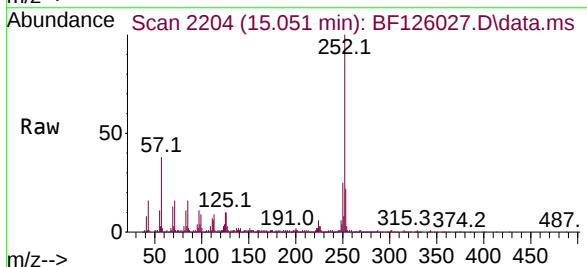
Instrument :
BNA_F
ClientSampleId :

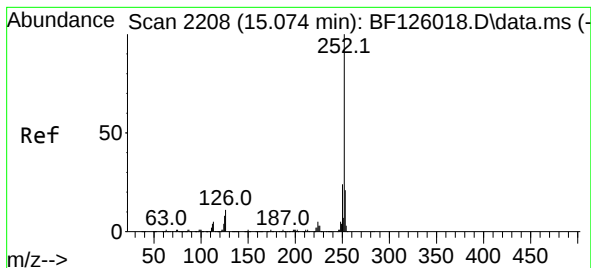
Tgt Ion:276 Resp: 339898
Ion Ratio Lower Upper
276 100
138 13.6 24.1 36.1#
277 24.9 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 42.913 ng
RT: 15.051 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Tgt Ion:252 Resp: 999660
Ion Ratio Lower Upper
252 100
253 22.3 16.8 25.2
125 10.1 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 44.238 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

Instrument :

BNF

ClientSampleId :

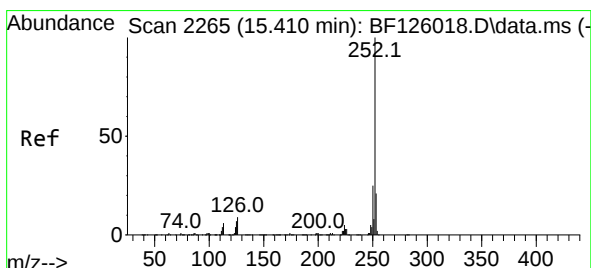
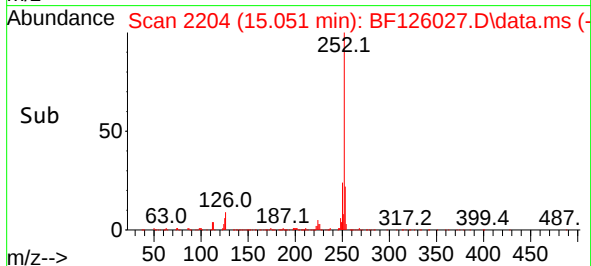
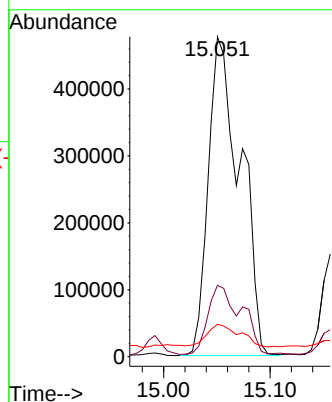
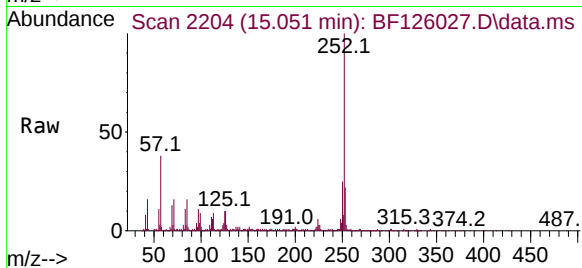
Tgt Ion:252 Resp: 999660

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 10.1 7.2 10.8



#90

Benzo(a)pyrene

Concen: 20.680 ng

RT: 15.351 min Scan# 2255

Delta R.T. -0.059 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

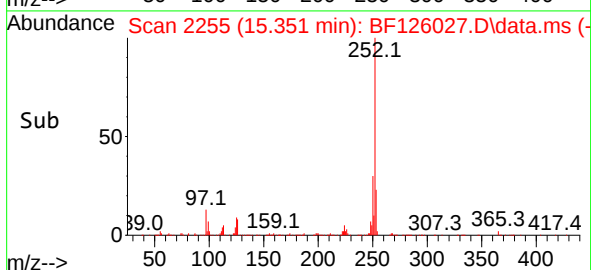
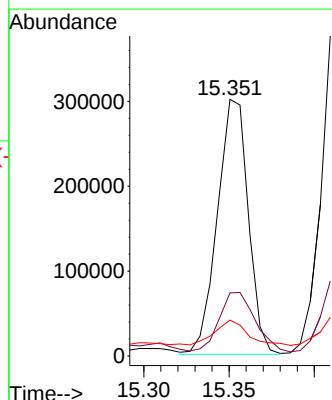
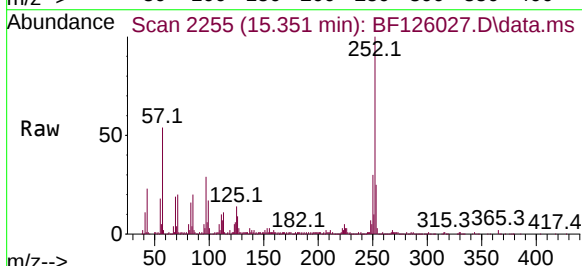
Tgt Ion:252 Resp: 379538

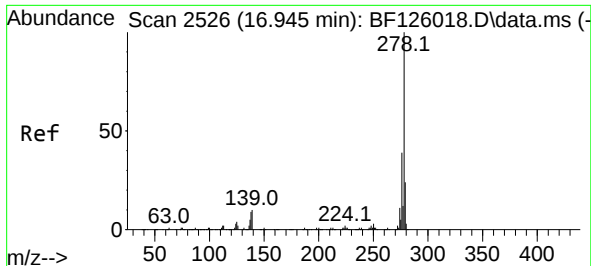
Ion Ratio Lower Upper

252 100

253 24.6 18.4 27.6

125 13.9 9.9 14.9

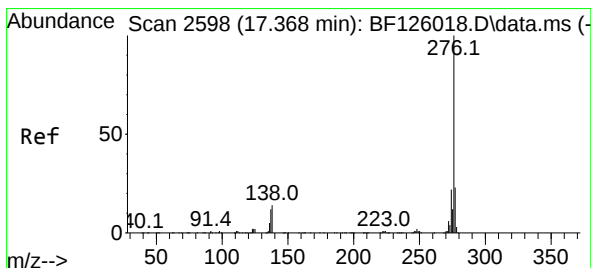
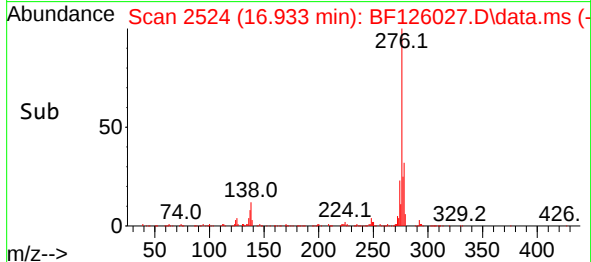
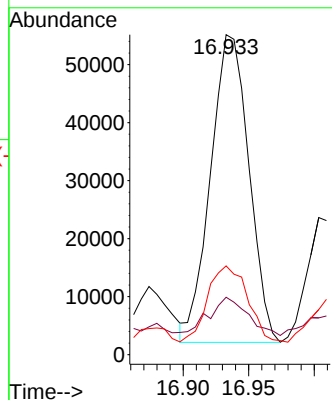
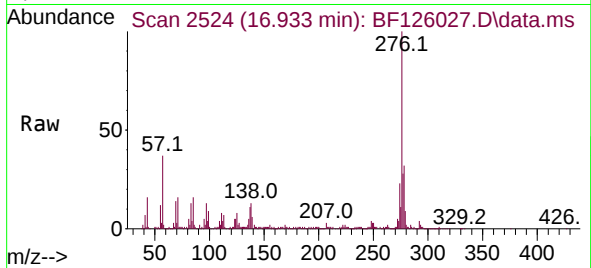




#91
Dibenzo(a,h)anthracene
Concen: 6.197 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 107890
Ion Ratio Lower Upper
278 100
139 18.0 14.9 22.3
279 27.8 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 17.397 ng
RT: 17.368 min Scan# 2598
Delta R.T. 0.000 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Tgt Ion:276 Resp: 290487
Ion Ratio Lower Upper
276 100
277 24.3 22.0 33.0
138 14.9 22.2 33.4#

