

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126029.D
 Acq On : 3 Nov 2021 20:24
 Operator : JU/CG
 Sample : M4427-06 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D20211029

Quant Time: Nov 04 10:11:29 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)

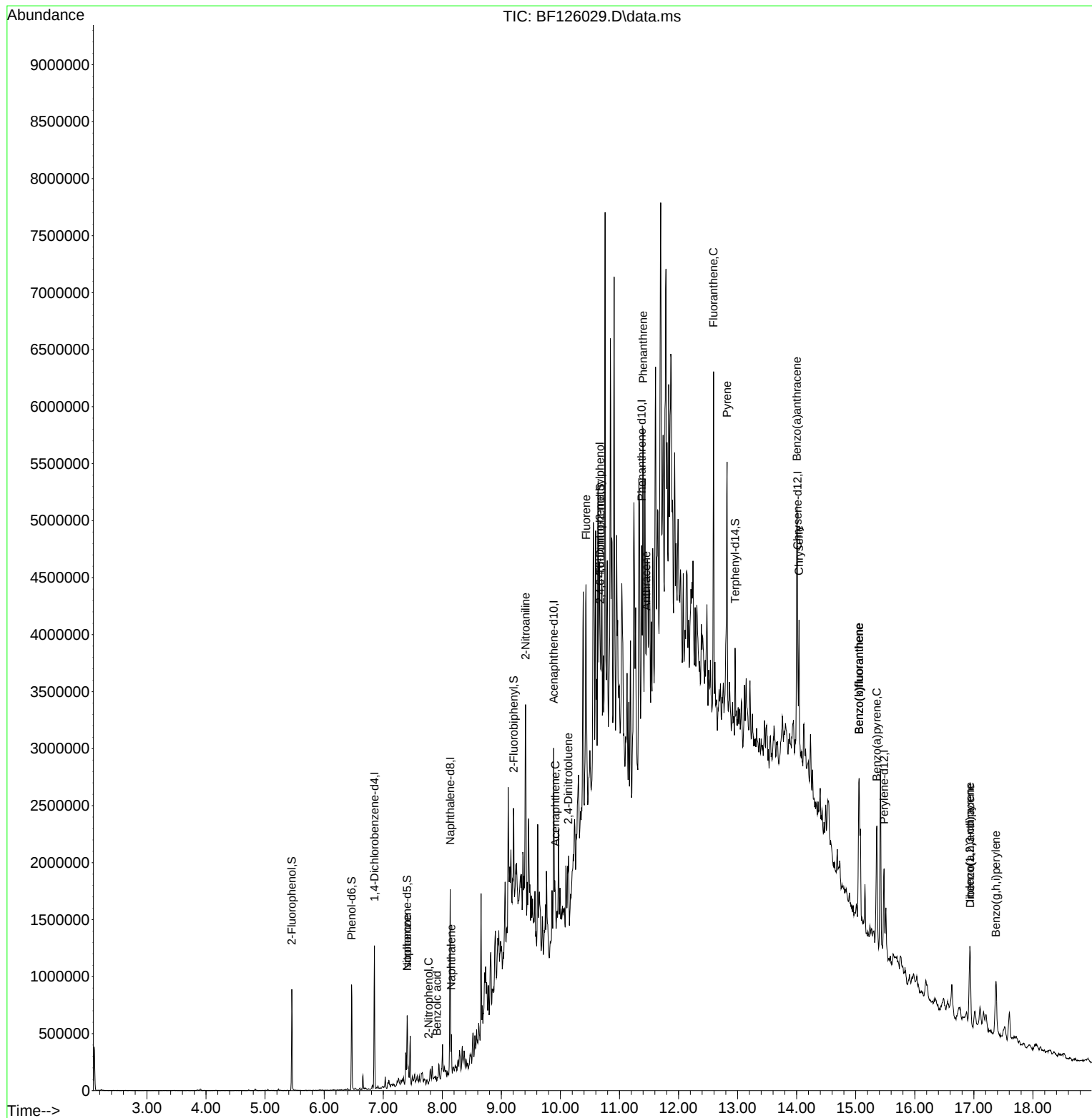
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	149679	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	547471	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	281651	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	435228	20.000	ng	0.00
76) Chrysene-d12	14.016	240	340617	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	337944	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	177355	20.348	ng	-0.01
7) Phenol-d6	6.463	99	233620	19.014	ng	-0.02
23) Nitrobenzene-d5	7.404	82	162403	13.990	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	53596	16.605	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	300752	14.430	ng	0.00
79) Terphenyl-d14	12.957	244	248928	11.785	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	759	Below Cal	#	31
25) Isophorone	7.404	82	159084	7.611	ng	# 59
26) 2-Nitrophenol	7.769	139	278	4.690	ng	# 1
31) Naphthalene	8.151	128	124862	4.403	ng	99
32) Benzoic acid	7.910	122	655	9.254	ng	# 74
48) 2-Nitroaniline	9.410	65	8227	4.230	ng	# 18
52) Acenaphthene	9.916	154	46365	2.837	ng	92
57) 2,4-Dinitrotoluene	10.133	165	1564	3.454	ng	# 70
58) Fluorene	10.433	166	69568	3.522	ng	# 98
65) 4,6-Dinitro-2-methylph...	10.669	198	119	8.364	ng	# 1
71) Phenanthrene	11.398	178	186151	7.887	ng	97
72) Anthracene	11.451	178	128632	5.459	ng	96
75) Fluoranthene	12.592	202	1121997	42.689	ng	92
78) Pyrene	12.822	202	911151	33.356	ng	95
81) Benzo(a)anthracene	14.004	228	601988	25.726	ng	96
83) Chrysene	14.039	228	432574	19.868	ng	94
87) Indeno(1,2,3-cd)pyrene	16.933	276	465905	23.292	ng	# 82
88) Benzo(b)fluoranthene	15.057	252	1079302	49.100	ng	96
89) Benzo(k)fluoranthene	15.057	252	1079302	50.616	ng	99
90) Benzo(a)pyrene	15.357	252	434280	25.077	ng	96
91) Dibenzo(a,h)anthracene	16.939	278	125270	7.625	ng	94
92) Benzo(g,h,i)perylene	17.374	276	409524	25.991	ng	# 83

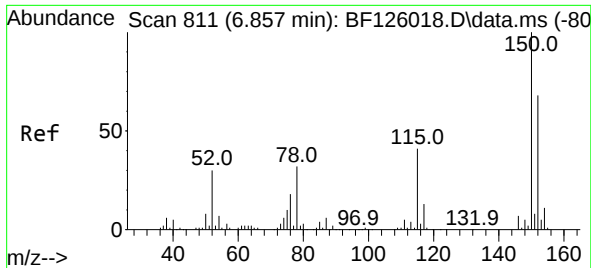
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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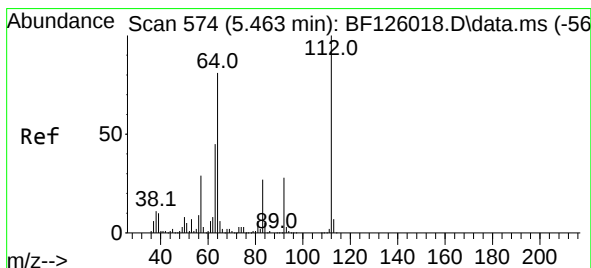
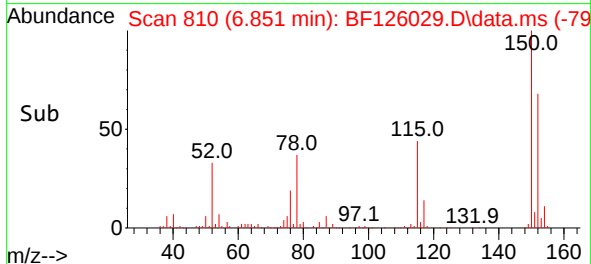
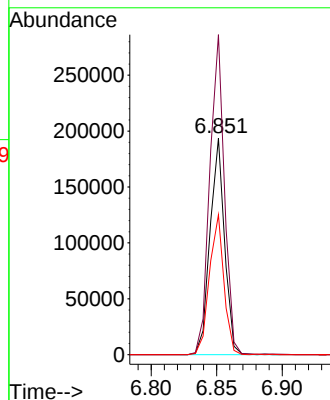
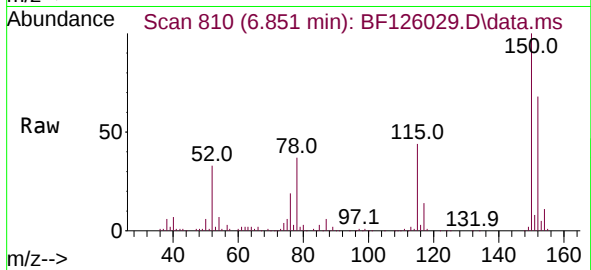




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

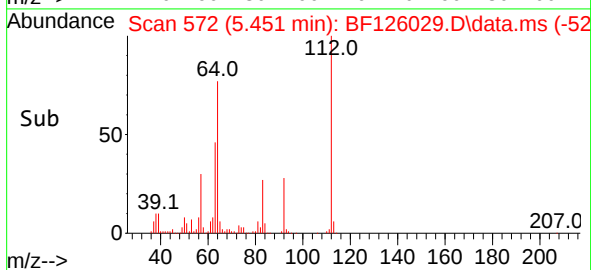
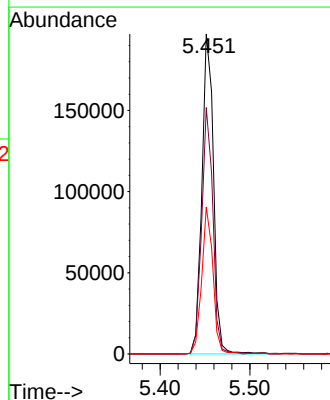
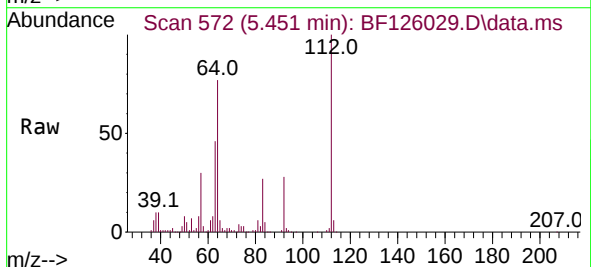
Instrument :
BNA_F
ClientSampleId :
D20211029

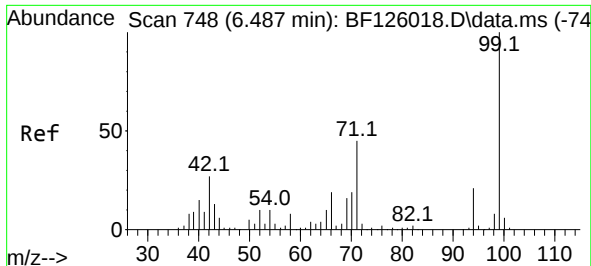
Tgt Ion:152 Resp: 149679
Ion Ratio Lower Upper
152 100
150 147.8 117.6 176.4
115 64.6 47.1 70.7



#5
2-Fluorophenol
Concen: 20.348 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

Tgt Ion:112 Resp: 177355
Ion Ratio Lower Upper
112 100
64 77.0 44.2 66.2#
63 46.0 26.2 39.2#

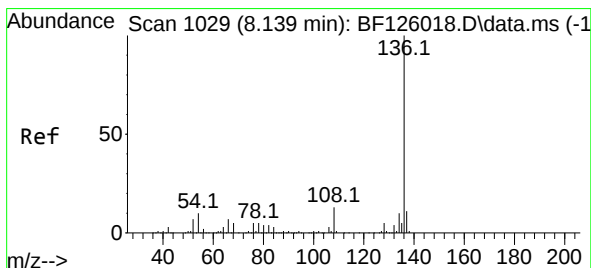
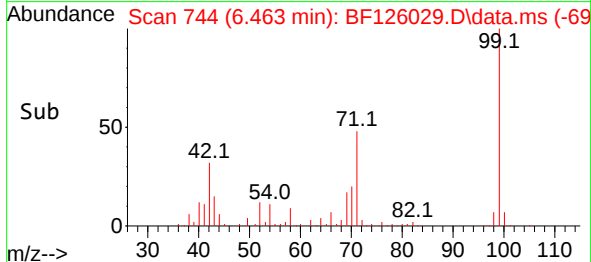
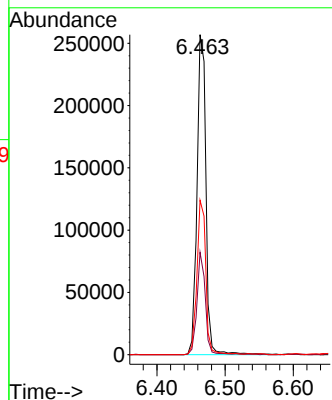
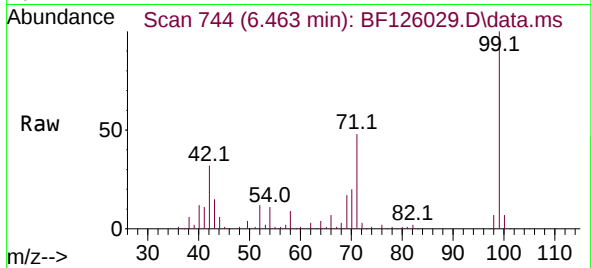




#7
Phenol-d6
Concen: 19.014 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

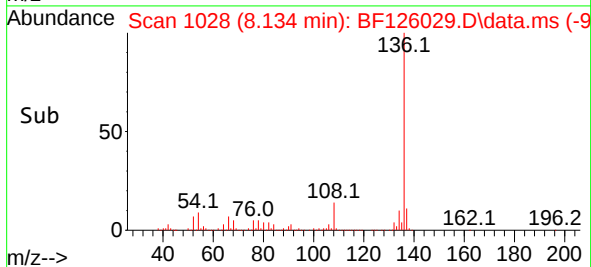
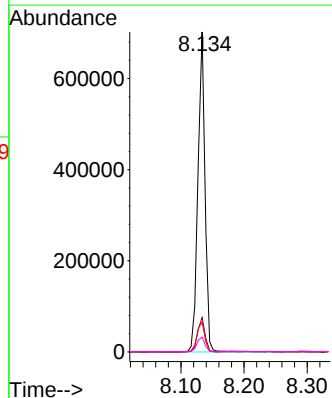
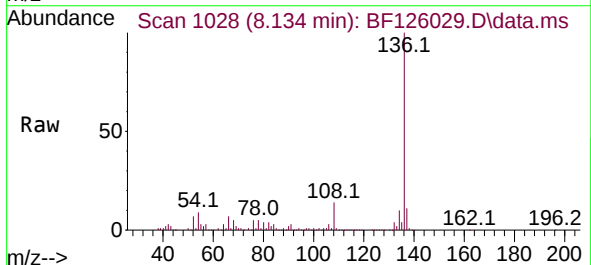
Instrument :
BNA_F
ClientSampleId :
D20211029

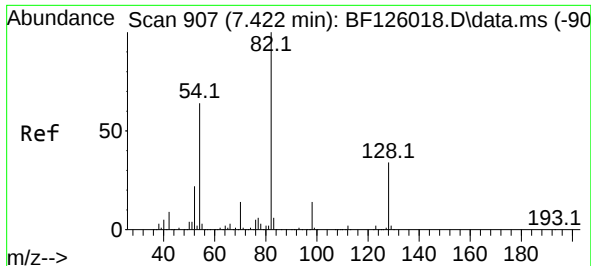
Tgt Ion: 99 Resp: 233620
Ion Ratio Lower Upper
99 100
42 32.0 23.5 35.3
71 48.2 25.6 38.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

Tgt Ion:136 Resp: 547471
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 9.3 6.4 9.6
68 4.7 3.3 4.9





#23

Nitrobenzene-d5

Concen: 13.990 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.018 min

Lab File: BF126029.D

Acq: 3 Nov 2021 20:24

Instrument :

BNA_F

ClientSampleId :

D20211029

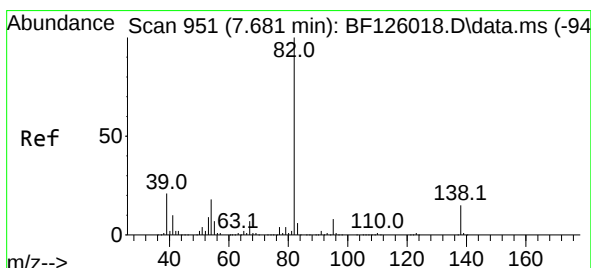
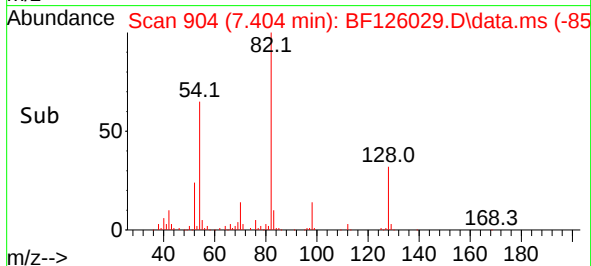
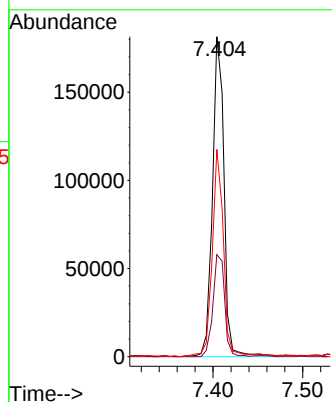
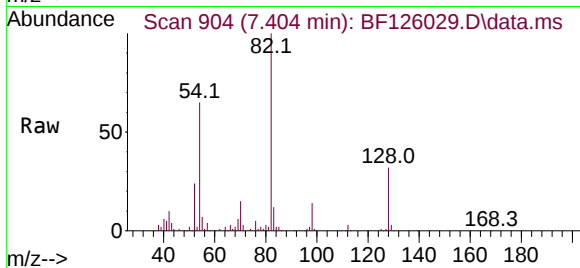
Tgt Ion: 82 Resp: 162403

Ion Ratio Lower Upper

82 100

128 31.9 40.6 60.8#

54 64.7 49.6 74.4



#25

Isophorone

Concen: 7.611 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.277 min

Lab File: BF126029.D

Acq: 3 Nov 2021 20:24

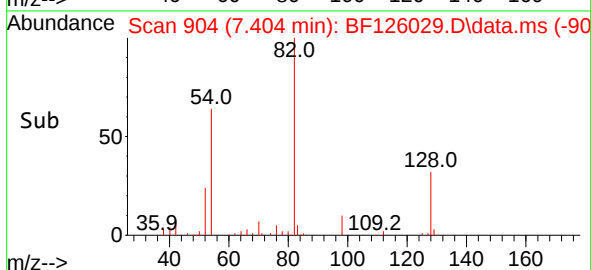
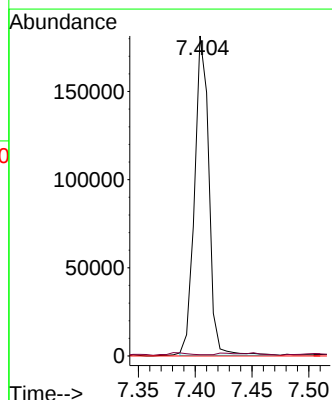
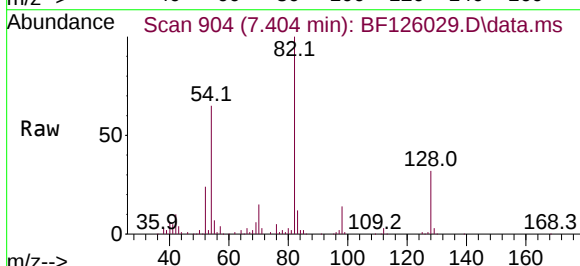
Tgt Ion: 82 Resp: 159084

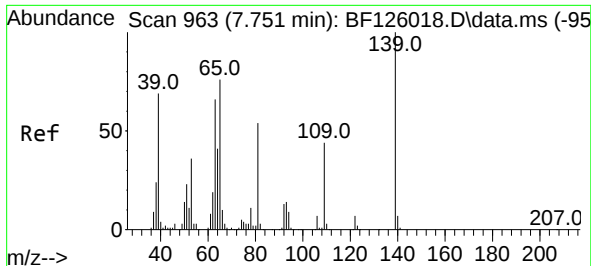
Ion Ratio Lower Upper

82 100

95 0.4 6.5 9.7#

138 0.0 18.4 27.6#

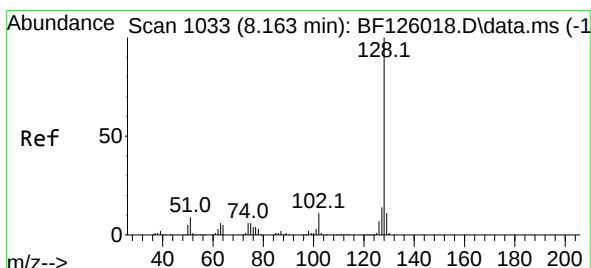
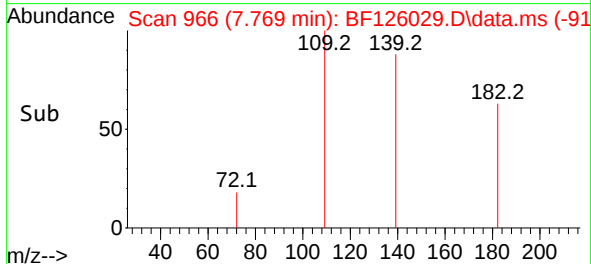
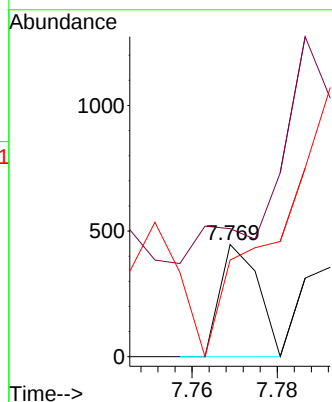
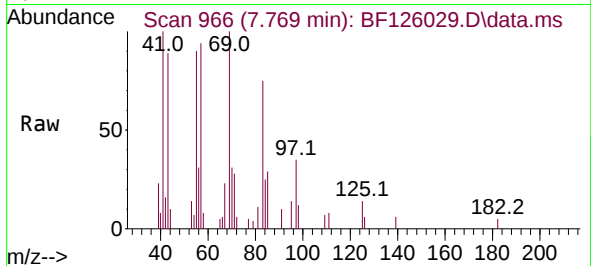




#26
2-Nitrophenol
Concen: 4.690 ng
RT: 7.769 min Scan# 90
Delta R.T. 0.018 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

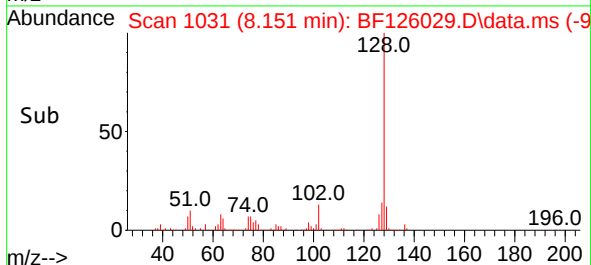
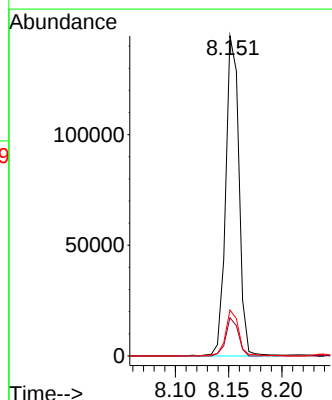
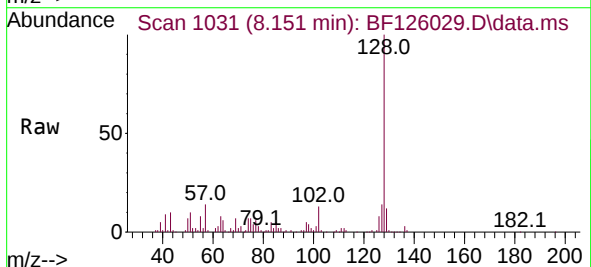
Instrument :
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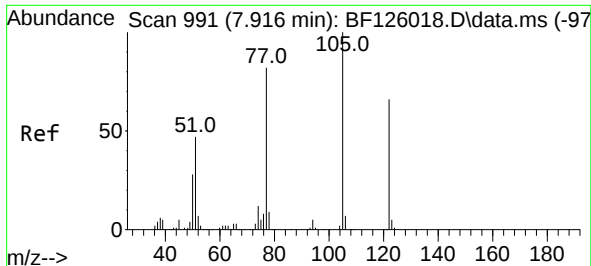
Tgt Ion:139 Resp: 278
Ion Ratio Lower Upper
139 100
109 114.1 26.0 39.0#
65 86.1 31.0 46.4#



#31
Naphthalene
Concen: 4.403 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.012 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

Tgt Ion:128 Resp: 124862
Ion Ratio Lower Upper
128 100
129 11.9 9.4 14.0
127 14.3 10.9 16.3

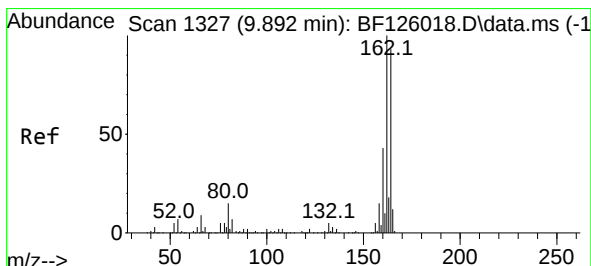
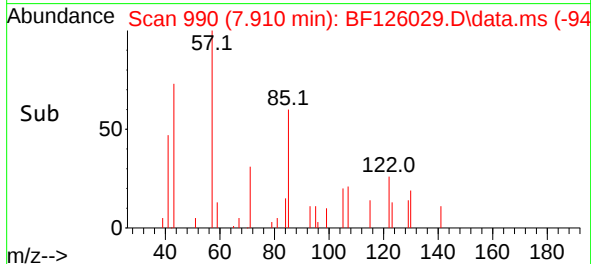
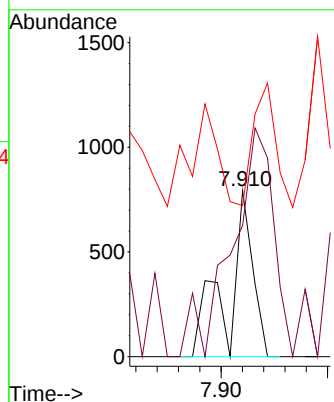
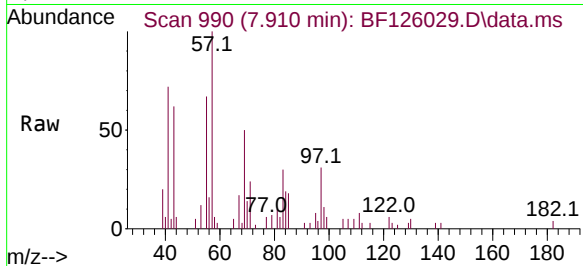




#32
Benzoic acid
Concen: 9.254 ng
RT: 7.910 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

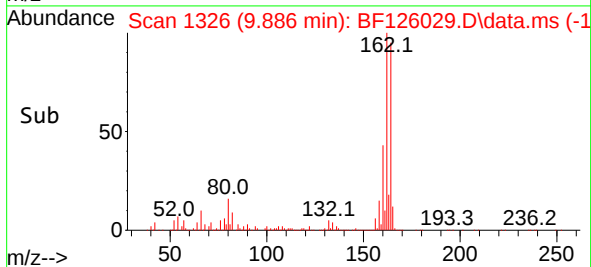
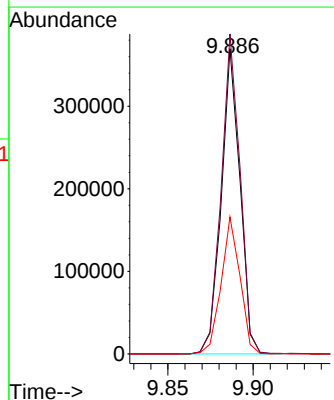
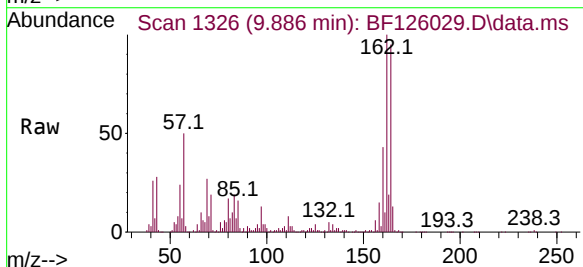
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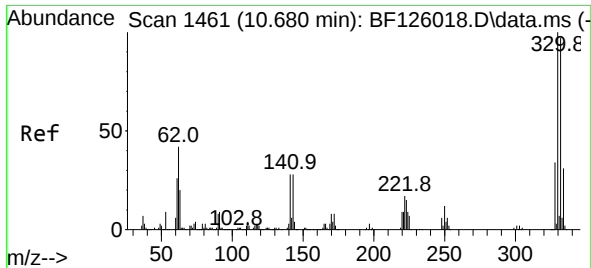
Tgt Ion:122 Resp: 655
Ion Ratio Lower Upper
122 100
105 79.2 97.6 137.6#
77 91.0 59.6 99.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

Tgt Ion:164 Resp: 281651
Ion Ratio Lower Upper
164 100
162 104.8 81.3 121.9
160 44.9 38.0 57.0

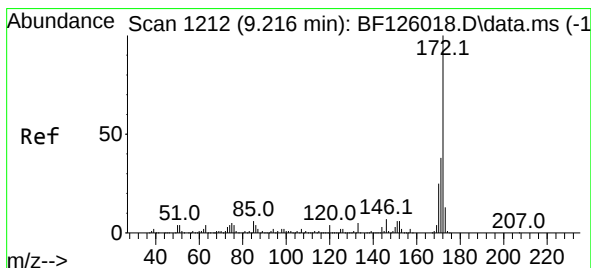
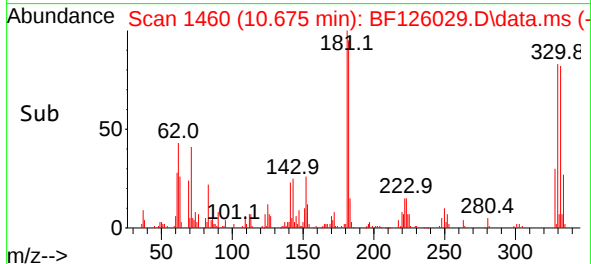
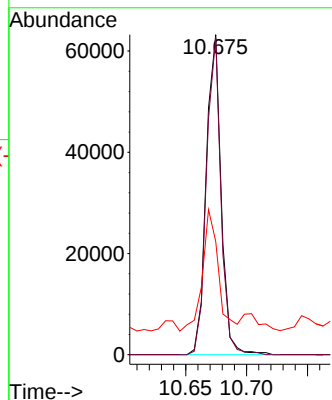
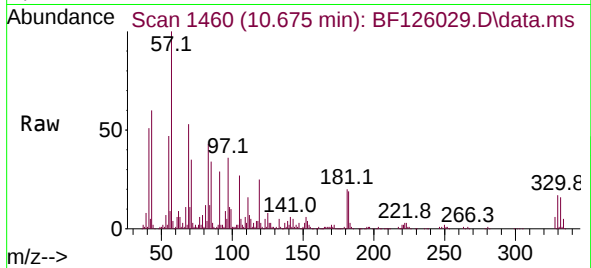




#42
2,4,6-Tribromophenol
Concen: 16.605 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

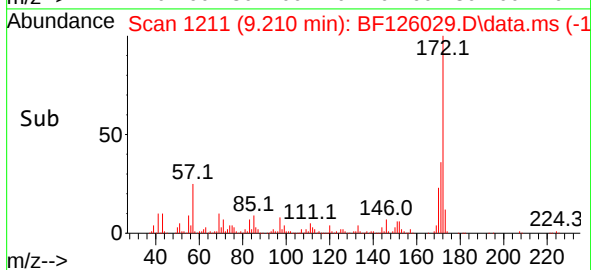
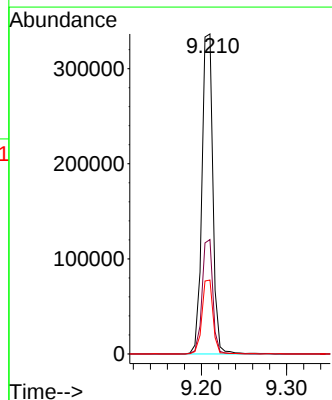
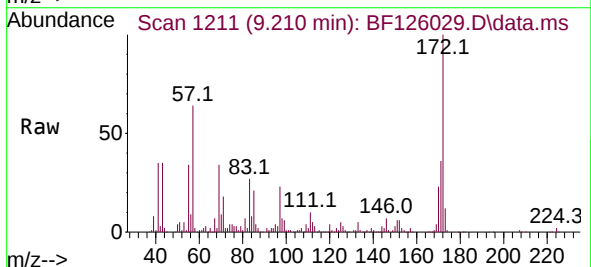
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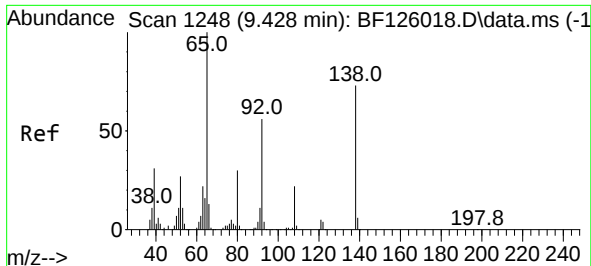
Tgt Ion:330 Resp: 53596
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 40.1 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 14.430 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

Tgt Ion:172 Resp: 300752
Ion Ratio Lower Upper
172 100
171 35.8 26.5 39.7
170 23.1 18.8 28.2

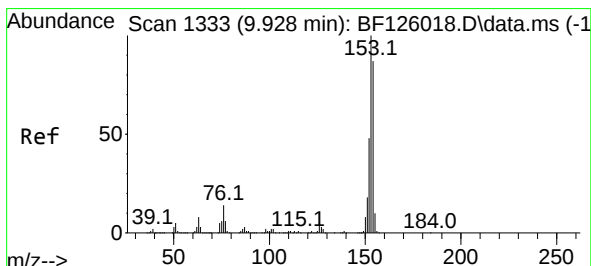
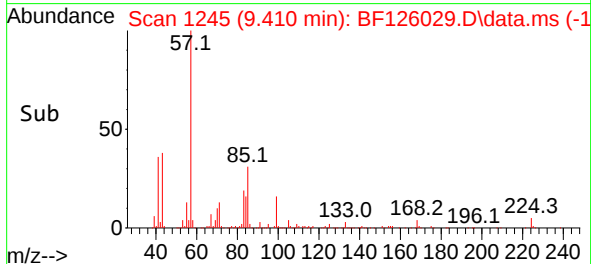
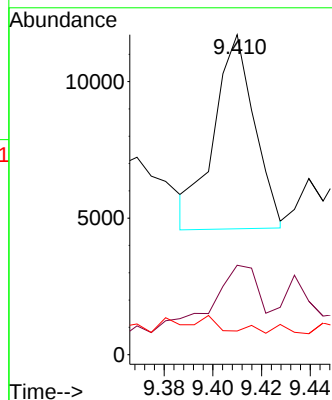
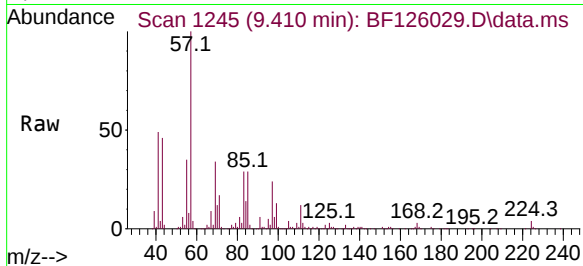




#48
2-Nitroaniline
Concen: 4.230 ng
RT: 9.410 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

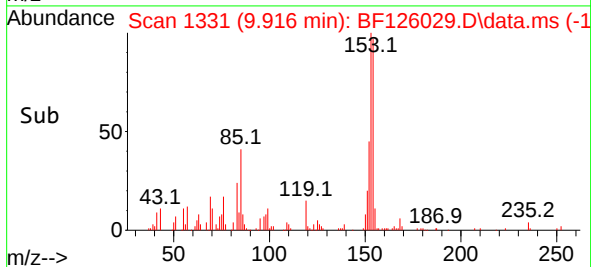
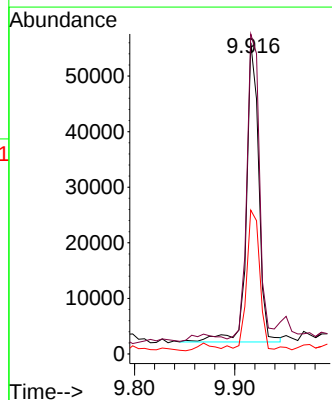
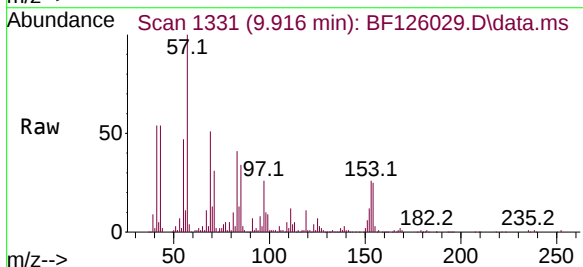
Instrument :
BNA_F
ClientSampleId :
D20211029

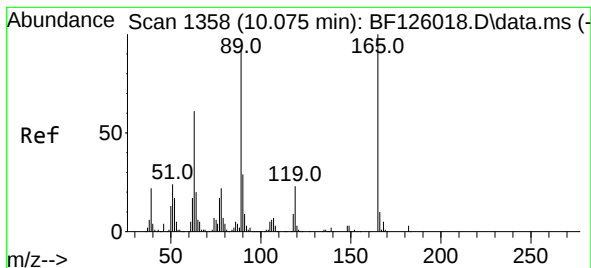
Tgt Ion: 65 Resp: 8227
Ion Ratio Lower Upper
65 100
92 28.0 55.5 83.3#
138 7.4 93.5 140.3#



#52
Acenaphthene
Concen: 2.837 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

Tgt Ion: 154 Resp: 46365
Ion Ratio Lower Upper
154 100
153 102.8 89.4 134.2
152 46.2 40.5 60.7

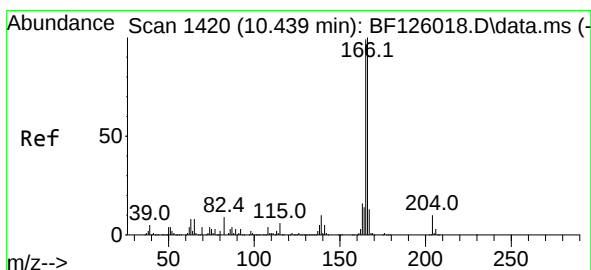
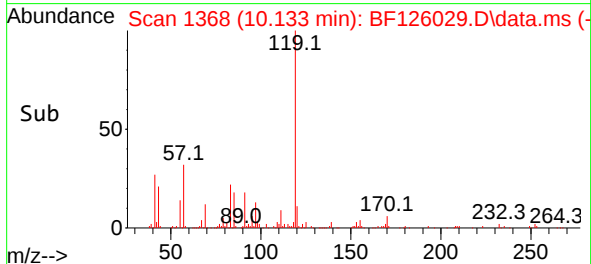
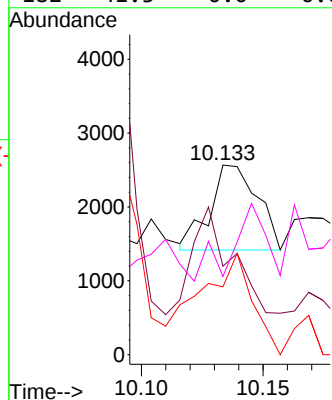
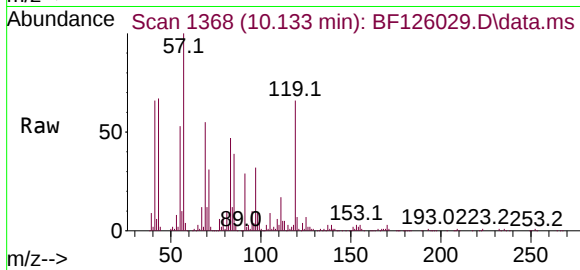




#57
2,4-Dinitrotoluene
Concen: 3.454 ng
RT: 10.133 min Scan# 1419
Delta R.T. 0.058 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

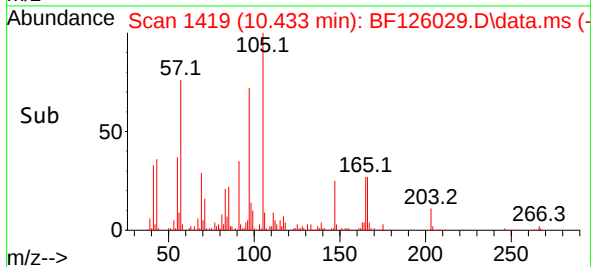
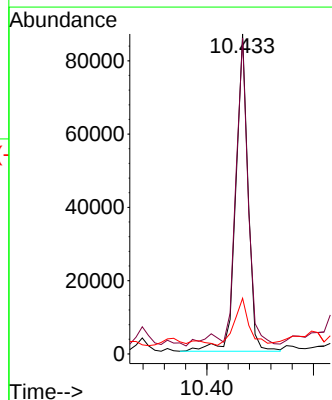
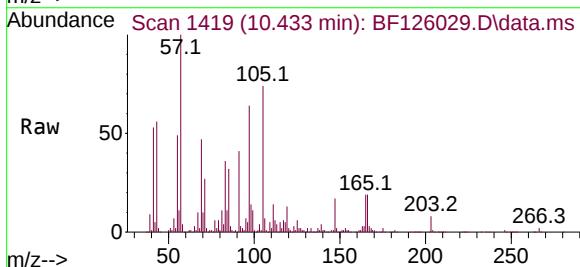
Instrument :
BNA_F
ClientSampleId :
D20211029

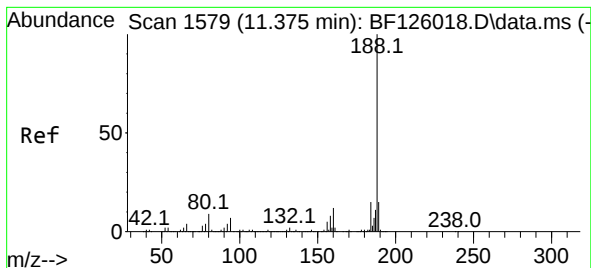
Tgt Ion:165 Resp: 1564
Ion Ratio Lower Upper
165 100
63 46.7 40.9 61.3
89 35.8 59.7 89.5#
182 41.3 0.0 0.0#



#58
Fluorene
Concen: 3.522 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

Tgt Ion:166 Resp: 69568
Ion Ratio Lower Upper
166 100
165 98.6 78.1 117.1
167 17.4 11.1 16.7#

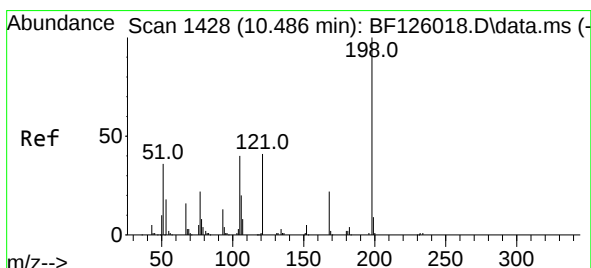
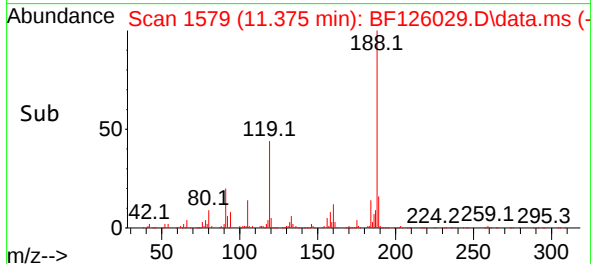
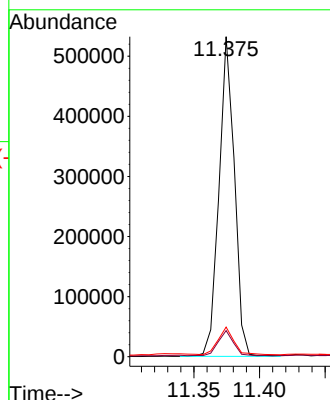
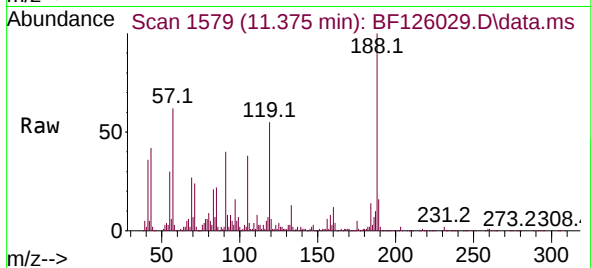




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

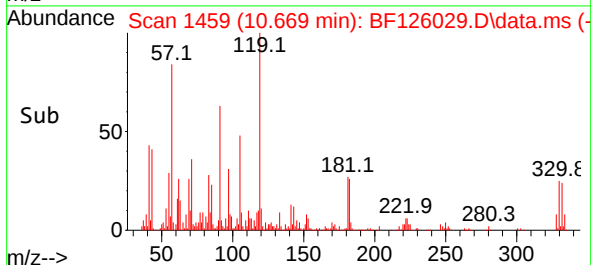
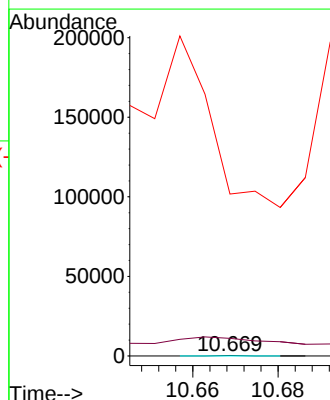
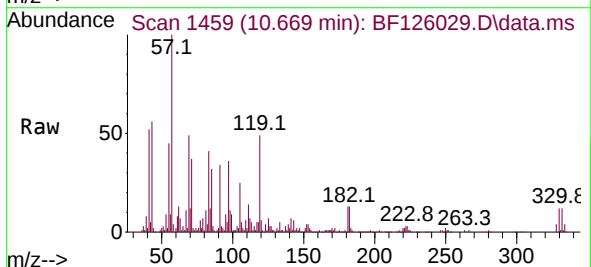
Instrument :
BNA_F
ClientSampleId :
D20211029

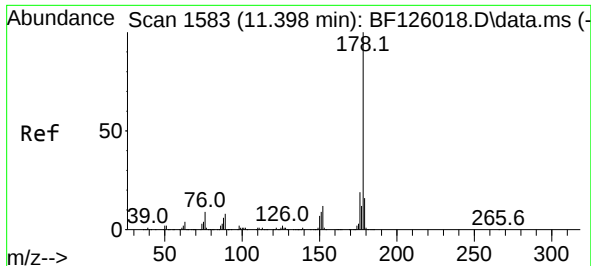
Tgt Ion:188 Resp: 435228
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 9.3 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 8.364 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.183 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

Tgt Ion:198 Resp: 119
Ion Ratio Lower Upper
198 100
51 3282.1 45.3 85.3#
105 30283.3 30.6 70.6#

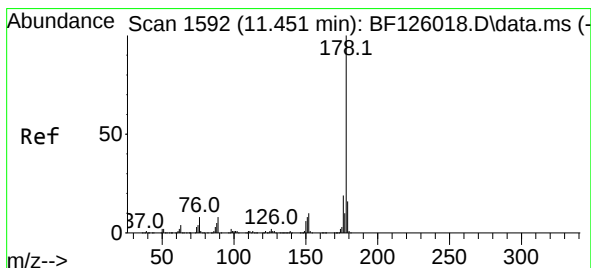
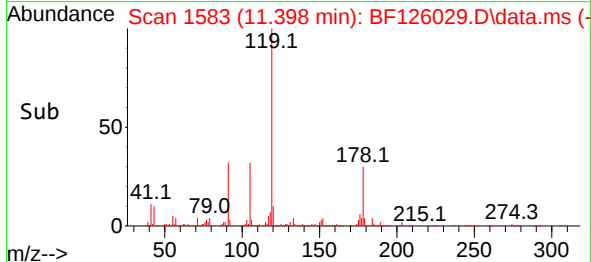
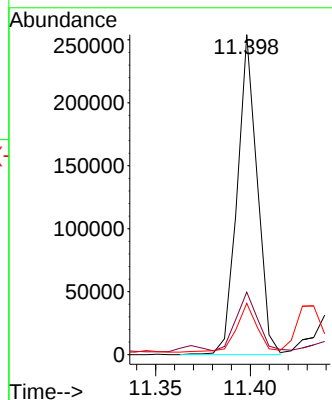
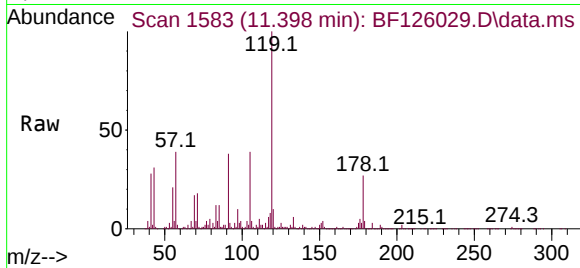




#71
Phenanthrene
Concen: 7.887 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

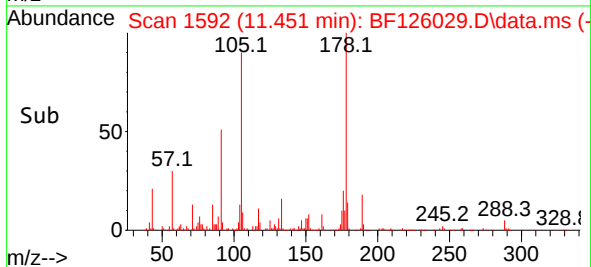
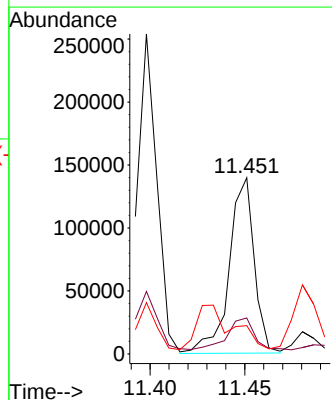
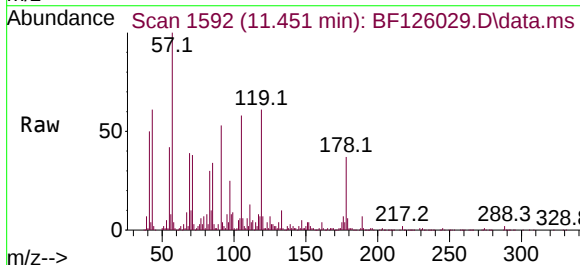
Instrument :
BNA_F
ClientSampleId :
D20211029

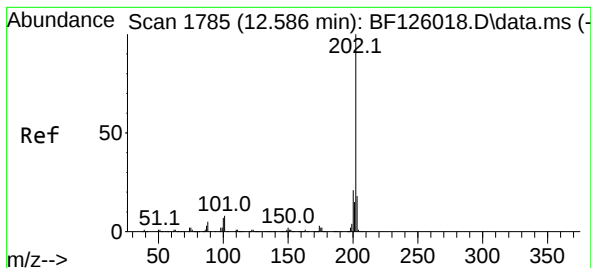
Tgt Ion:178 Resp: 186151
Ion Ratio Lower Upper
178 100
176 19.5 14.7 22.1
179 16.0 11.5 17.3



#72
Anthracene
Concen: 5.459 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

Tgt Ion:178 Resp: 128632
Ion Ratio Lower Upper
178 100
176 20.4 14.3 21.5
179 16.1 12.2 18.4





#75

Fluoranthene

Concen: 42.689 ng

RT: 12.592 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF126029.D

Acq: 3 Nov 2021 20:24

Instrument :

BNA_F

ClientSampleId :

D20211029

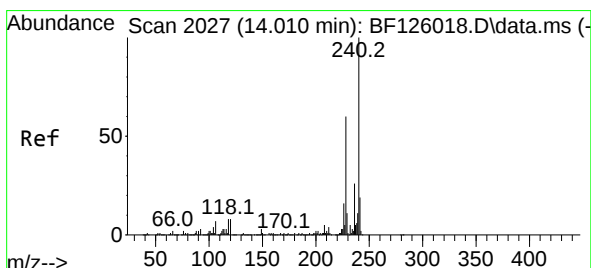
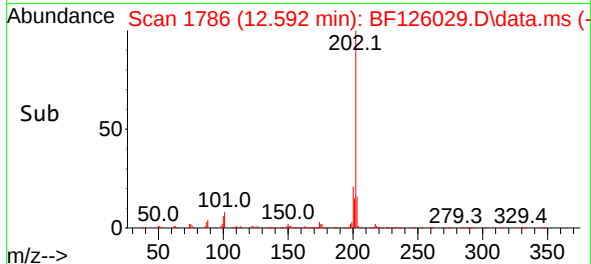
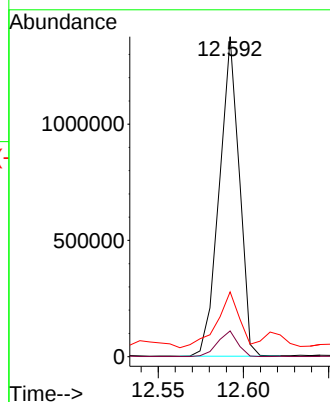
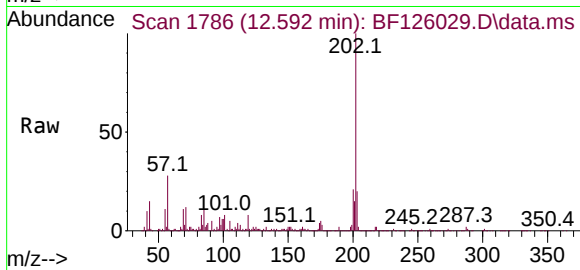
Tgt Ion:202 Resp: 1121997

Ion Ratio Lower Upper

202 100

101 8.0 0.0 30.7

203 20.2 0.0 36.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF126029.D

Acq: 3 Nov 2021 20:24

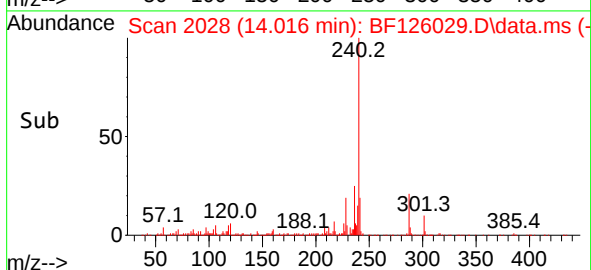
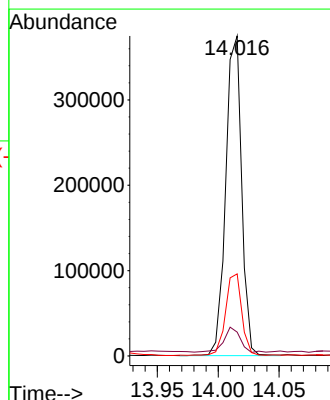
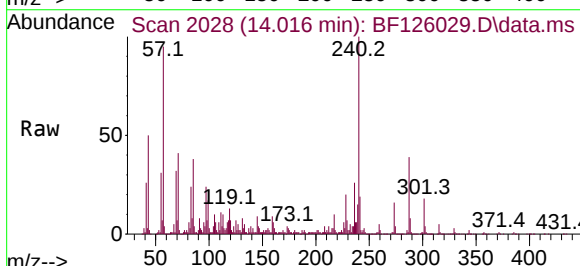
Tgt Ion:240 Resp: 340617

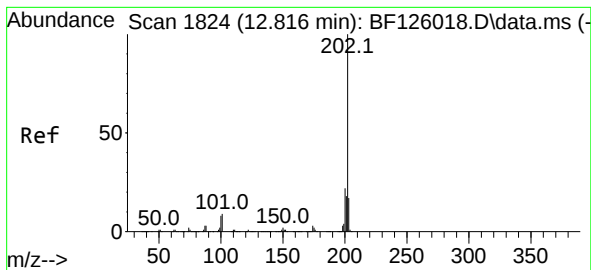
Ion Ratio Lower Upper

240 100

120 7.4 10.8 16.2#

236 25.6 21.6 32.4





#78

Pyrene

Concen: 33.356 ng

RT: 12.822 min Scan# 1825

Delta R.T. 0.006 min

Lab File: BF126029.D

Acq: 3 Nov 2021 20:24

Instrument :

BNA_F

ClientSampleId :

D20211029

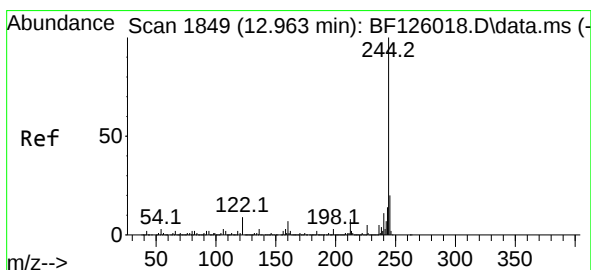
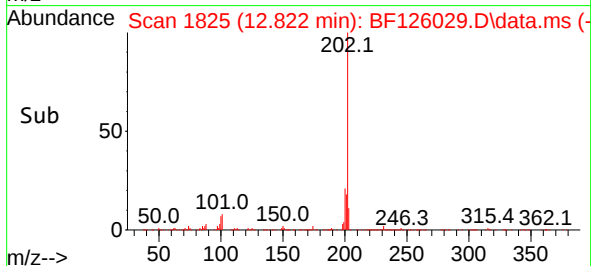
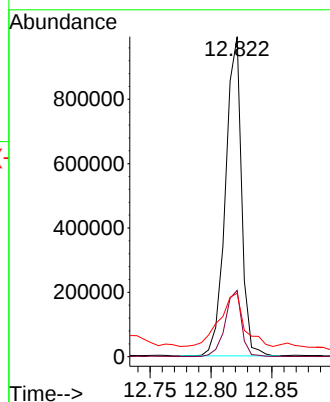
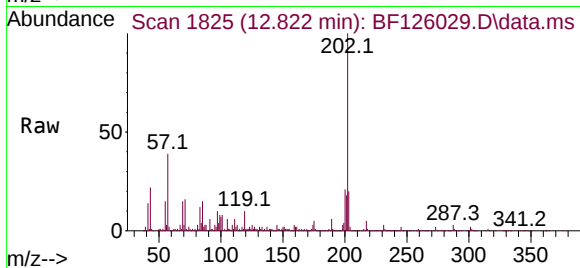
Tgt Ion:202 Resp: 911151

Ion Ratio Lower Upper

202 100

200 20.7 15.3 22.9

203 19.8 13.4 20.0



#79

Terphenyl-d14

Concen: 11.785 ng

RT: 12.957 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF126029.D

Acq: 3 Nov 2021 20:24

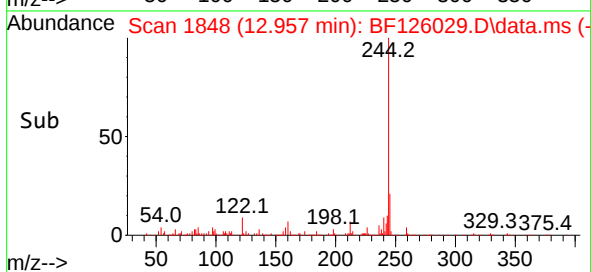
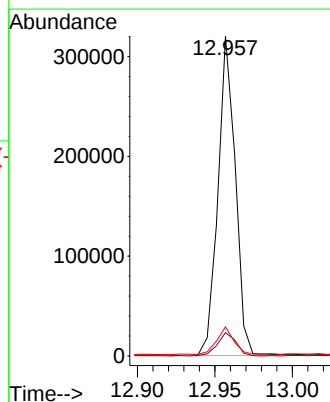
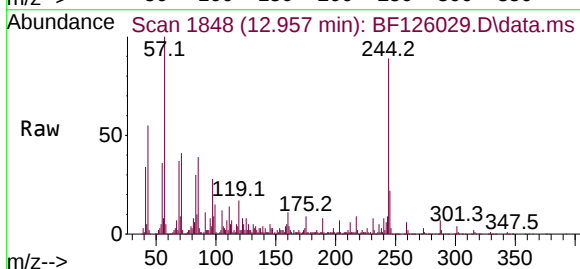
Tgt Ion:244 Resp: 248928

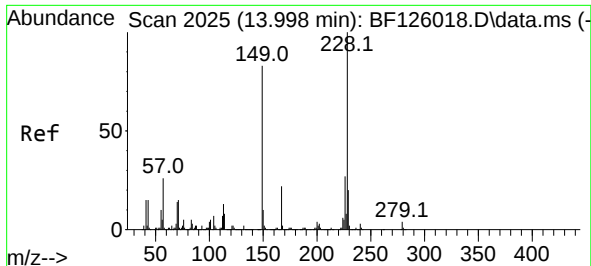
Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 9.1 9.0 13.4

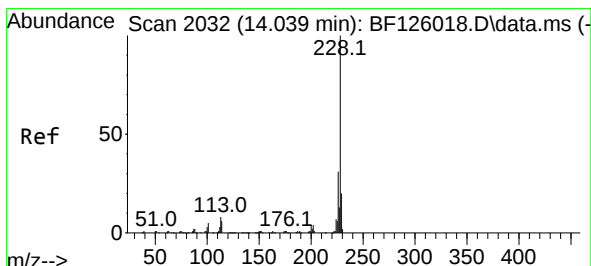
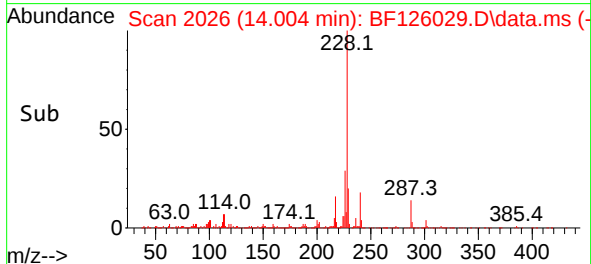
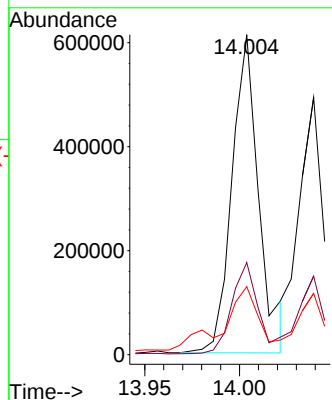
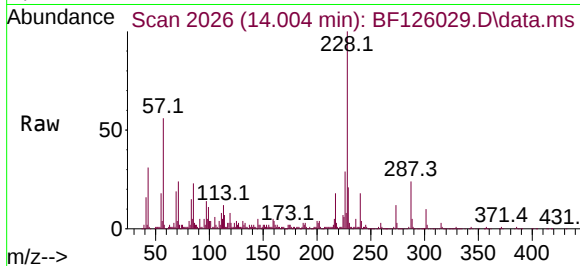




#81
Benzo(a)anthracene
Concen: 25.726 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

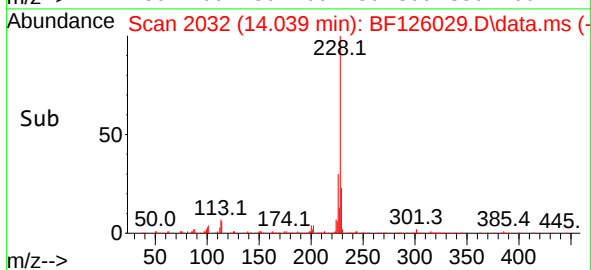
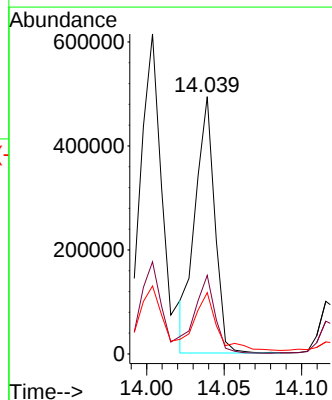
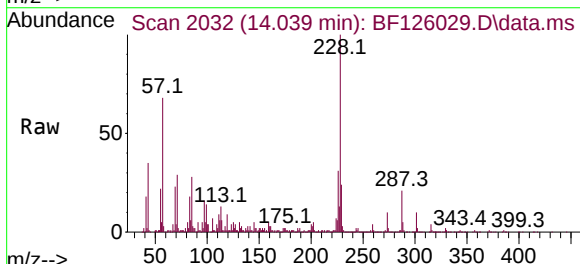
Instrument :
BNA_F
ClientSampleId :
D20211029

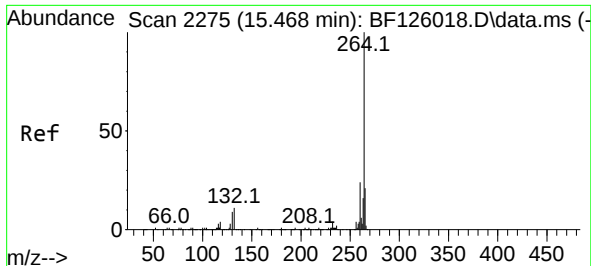
Tgt Ion:228 Resp: 601988
Ion Ratio Lower Upper
228 100
226 28.8 21.6 32.4
229 21.3 15.6 23.4



#83
Chrysene
Concen: 19.868 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

Tgt Ion:228 Resp: 432574
Ion Ratio Lower Upper
228 100
226 30.5 22.6 34.0
229 23.8 15.9 23.9

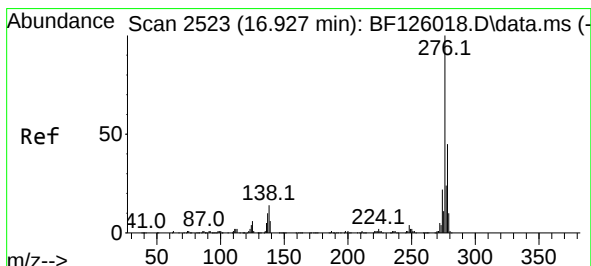
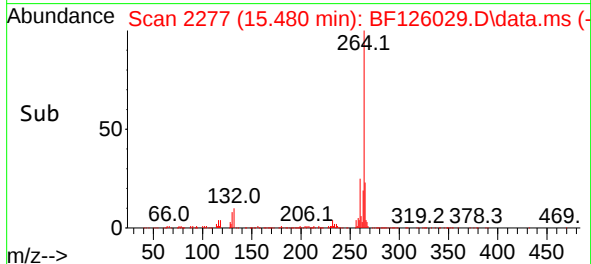
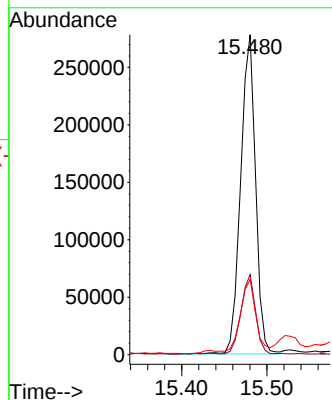
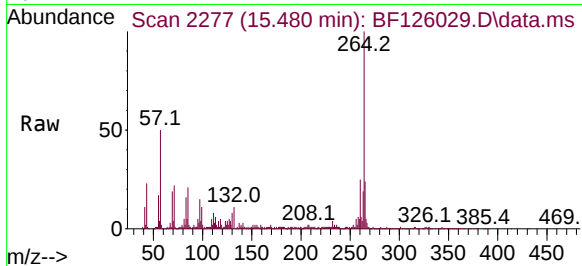




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

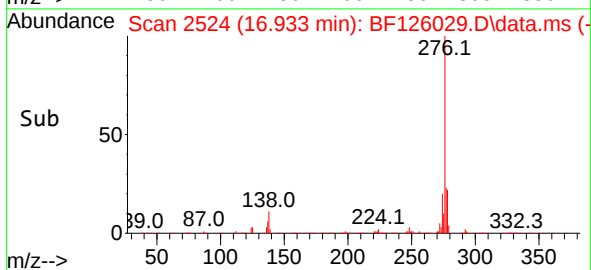
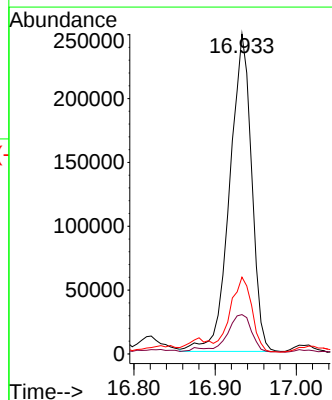
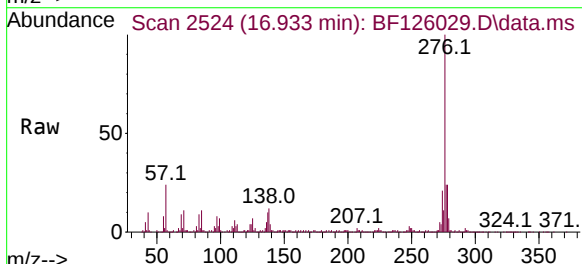
Instrument :
BNA_F
ClientSampleId :
D20211029

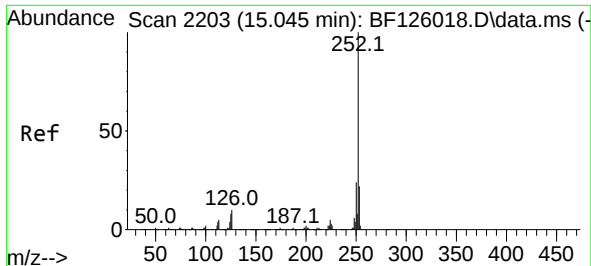
Tgt Ion:264 Resp: 337944
Ion Ratio Lower Upper
264 100
260 25.0 19.6 29.4
265 23.6 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 23.292 ng
RT: 16.933 min Scan# 2524
Delta R.T. 0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

Tgt Ion:276 Resp: 465905
Ion Ratio Lower Upper
276 100
138 12.5 24.1 36.1#
277 23.4 18.8 28.2

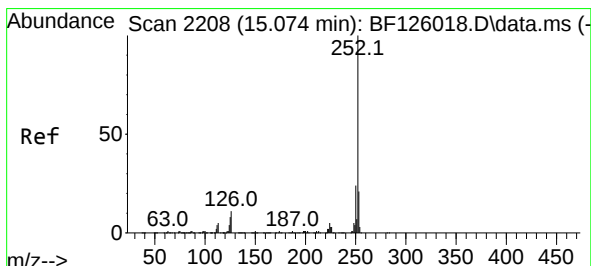
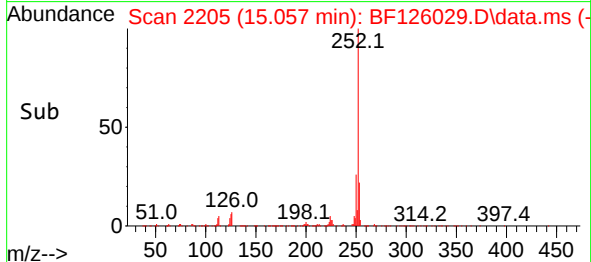
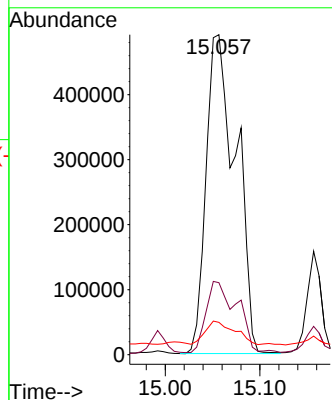
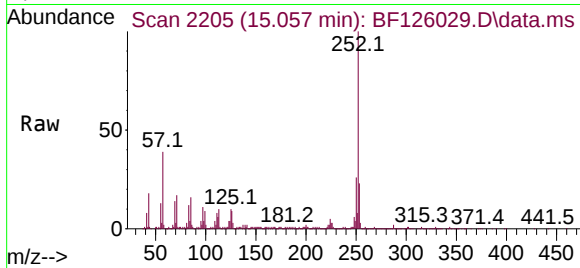




#88
Benzo(b)fluoranthene
Concen: 49.100 ng
RT: 15.057 min Scan# 2205
Delta R.T. 0.012 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

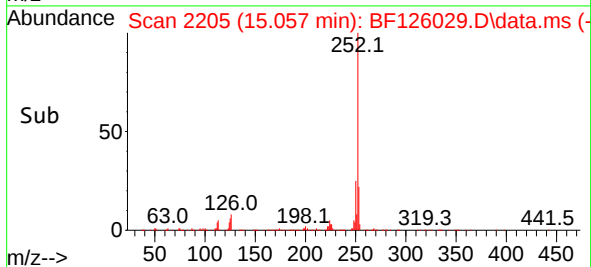
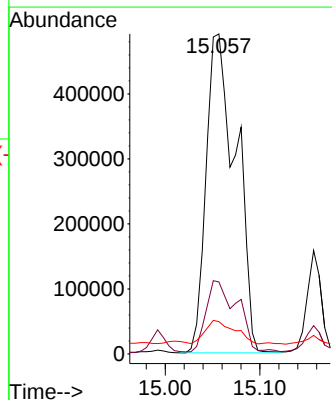
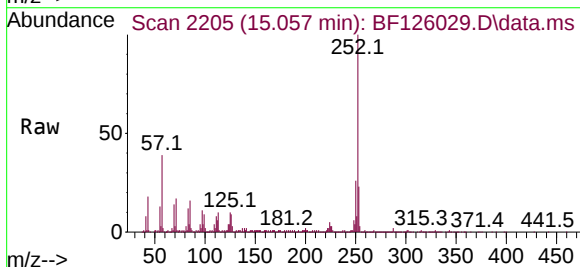
Instrument :
BNA_F
ClientSampleId :
D20211029

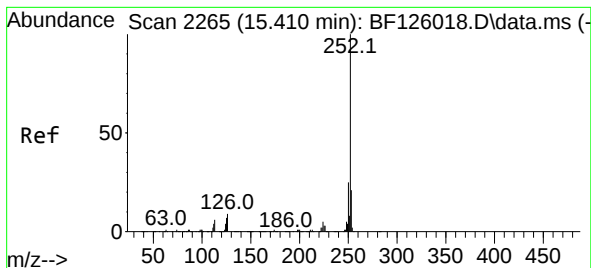
Tgt Ion:252 Resp: 1079302
Ion Ratio Lower Upper
252 100
253 22.5 16.8 25.2
125 10.1 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 50.616 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.018 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

Tgt Ion:252 Resp: 1079302
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 10.1 7.2 10.8





#90

Benzo(a)pyrene

Concen: 25.077 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.053 min

Lab File: BF126029.D

Acq: 3 Nov 2021 20:24

Instrument :

BNA_F

ClientSampleId :

D20211029

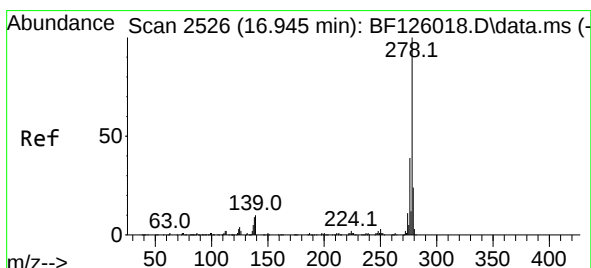
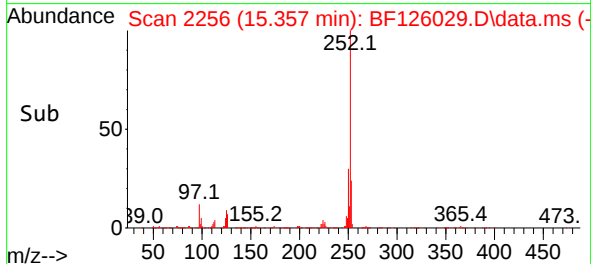
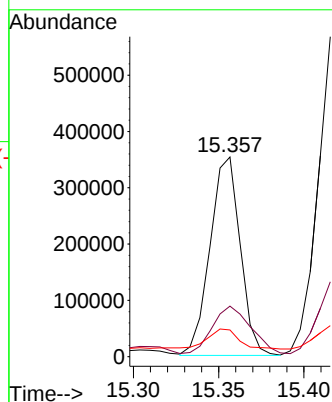
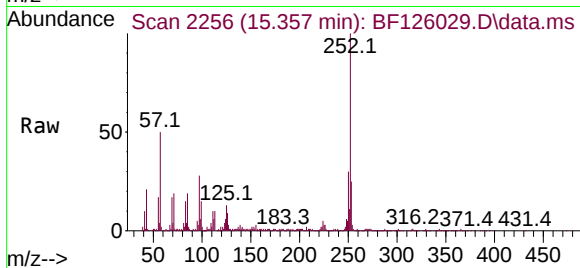
Tgt Ion:252 Resp: 434280

Ion Ratio Lower Upper

252 100

253 25.3 18.4 27.6

125 13.4 9.9 14.9



#91

Dibenzo(a,h)anthracene

Concen: 7.625 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.006 min

Lab File: BF126029.D

Acq: 3 Nov 2021 20:24

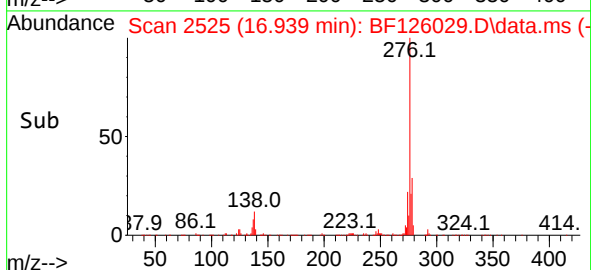
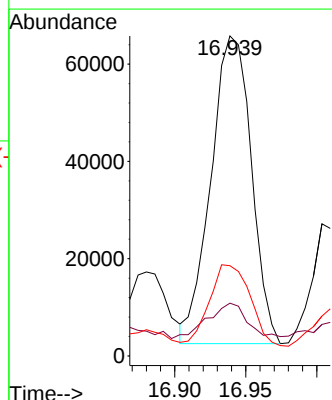
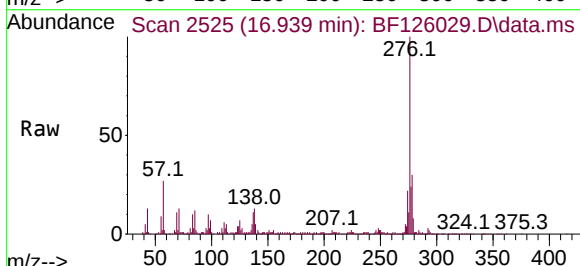
Tgt Ion:278 Resp: 125270

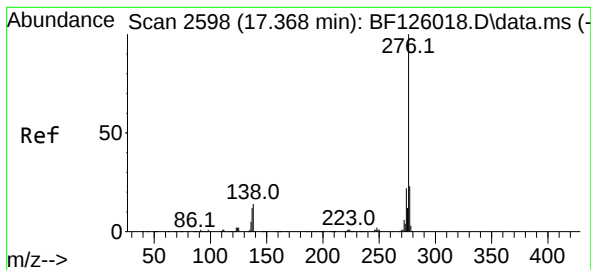
Ion Ratio Lower Upper

278 100

139 16.5 14.9 22.3

279 28.2 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 25.991 ng

RT: 17.374 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF126029.D

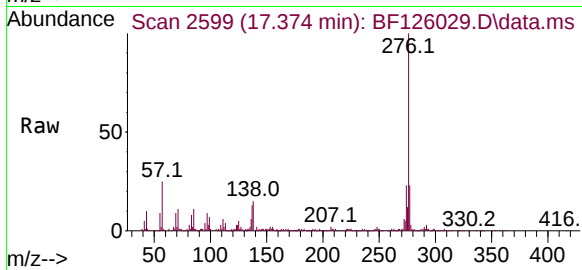
Acq: 3 Nov 2021 20:24

Instrument :

BNA_F

ClientSampleId :

D20211029



Tgt Ion:276 Resp: 409524

Ion Ratio Lower Upper

276 100

277 22.7 22.0 33.0

138 15.0 22.2 33.4#

