

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 :
 FDR-BH-4-20211029-7.5-8S

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)

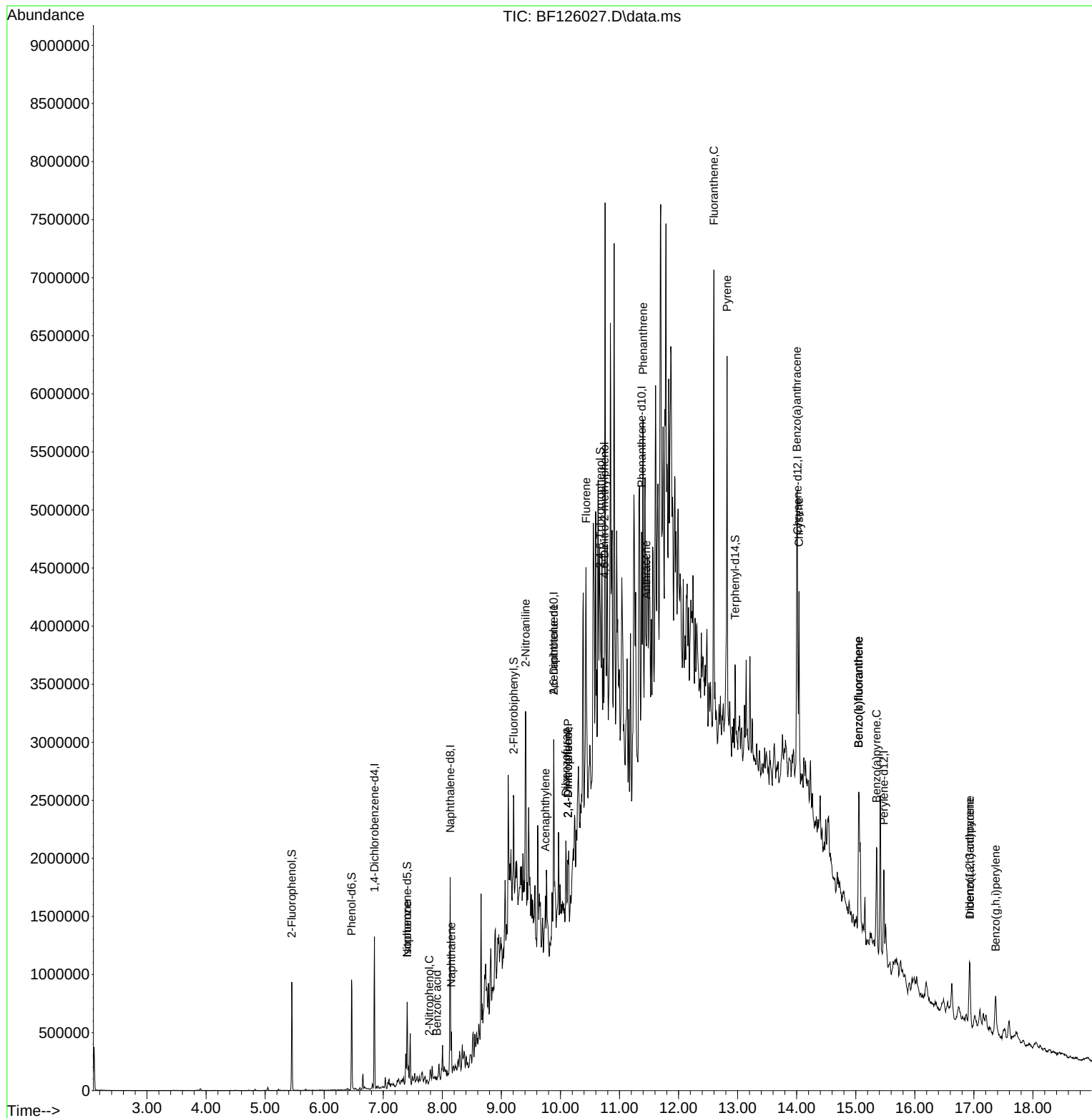
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	157357	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	554967	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	306492	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	490383	20.000	ng	0.00
76) Chrysene-d12	14.015	240	349879	20.000	ng	# 0.00
86) Perylene-d12	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

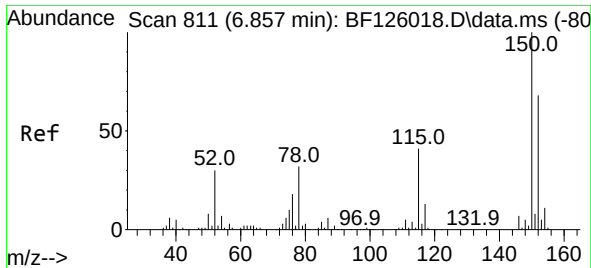
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FDR-BH-4-20211029-7.5-8S

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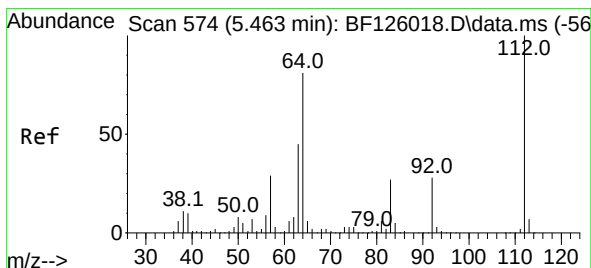
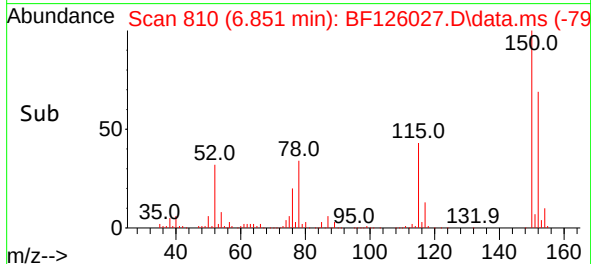
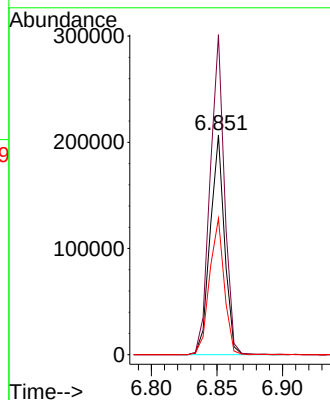
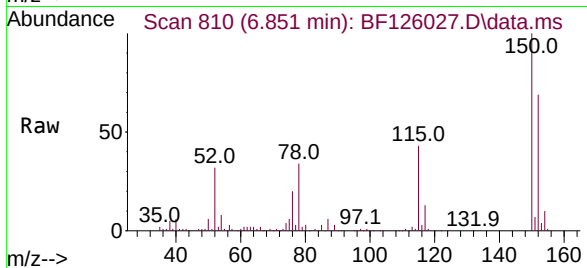




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

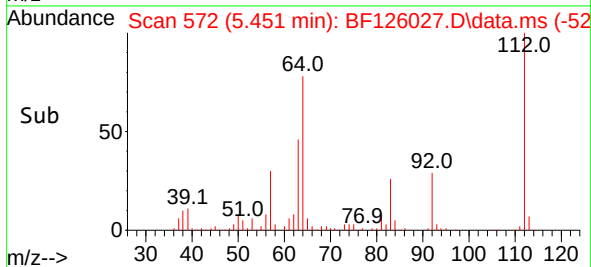
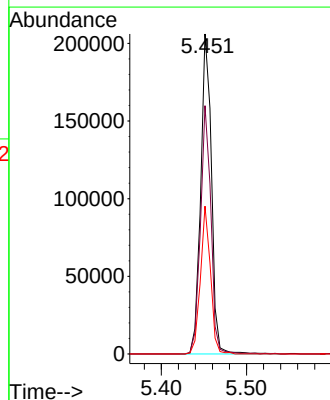
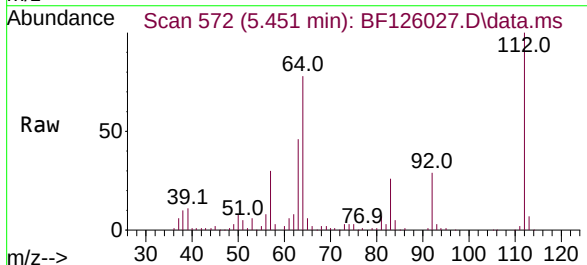
Instrument : BNA_F
ClientSampleId : FDR-BH-4-20211029-7.5-8S

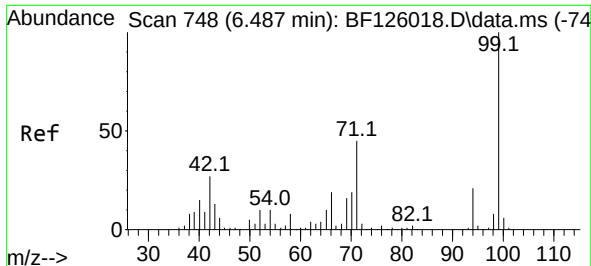
Tgt Ion:152 Resp: 157357
Ion Ratio Lower Upper
152 100
150 145.7 117.6 176.4
115 62.0 47.1 70.7



#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#

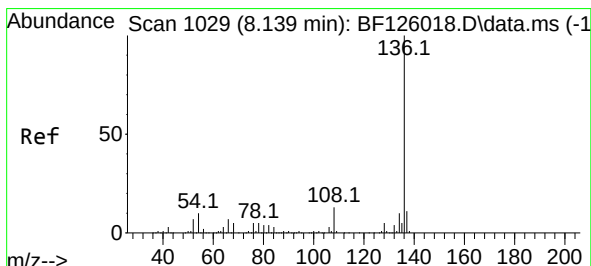
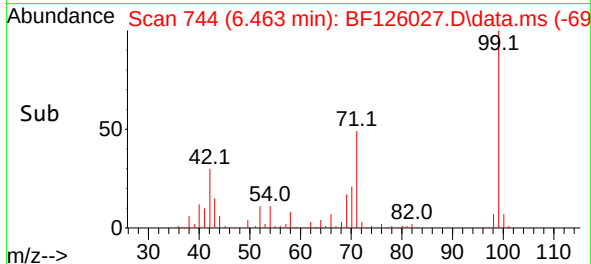
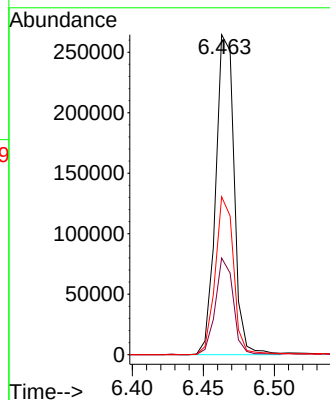
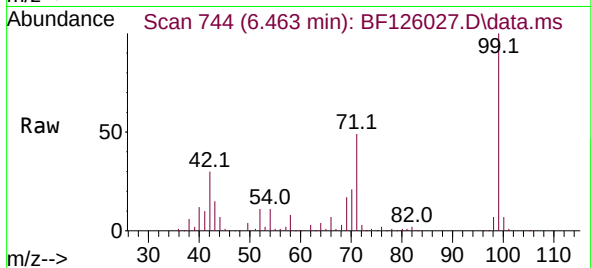




#7
Phenol-d6
Concen: 18.485 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

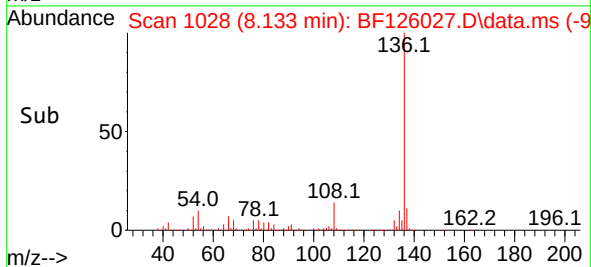
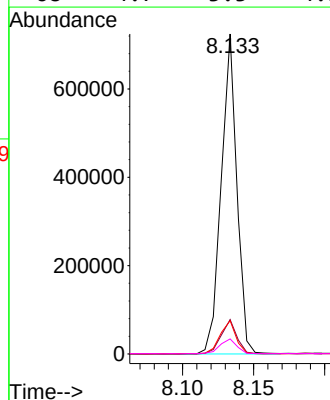
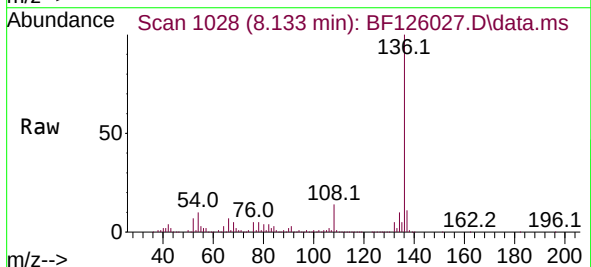
Instrument :
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ClientSampleId :
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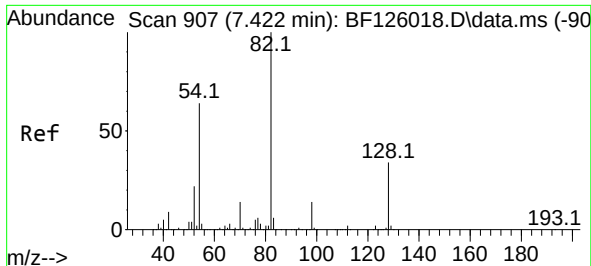
Tgt Ion: 99 Resp: 238776
Ion Ratio Lower Upper
99 100
42 30.2 23.5 35.3
71 49.3 25.6 38.4#



#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 :

FDR-BH-4-20211029-7.5-8S

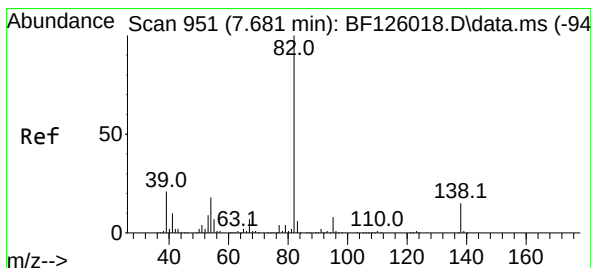
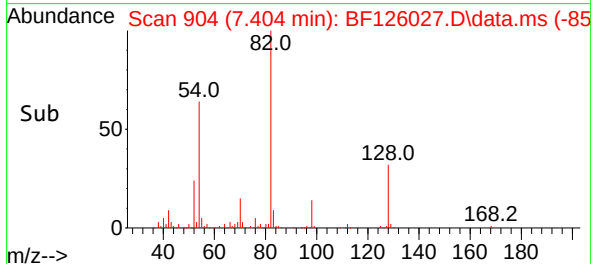
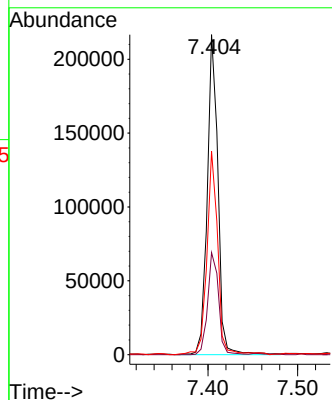
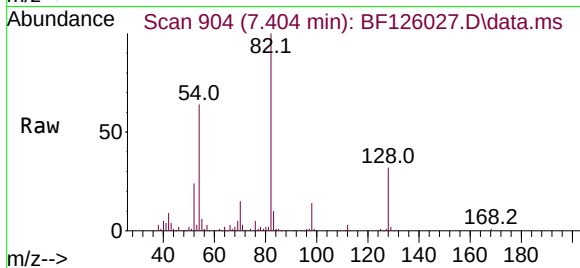
Tgt Ion: 82 Resp: 179234

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

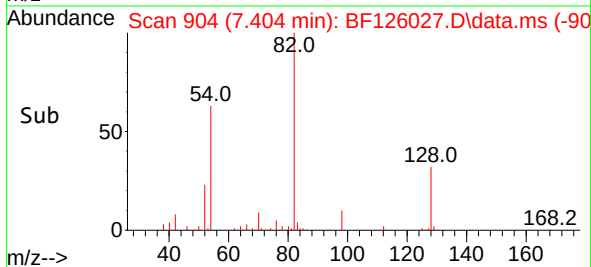
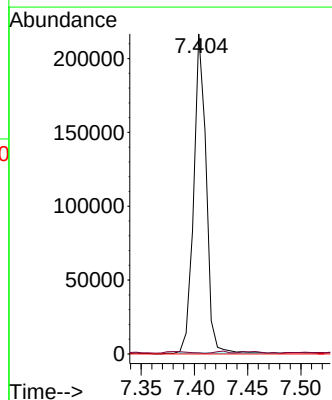
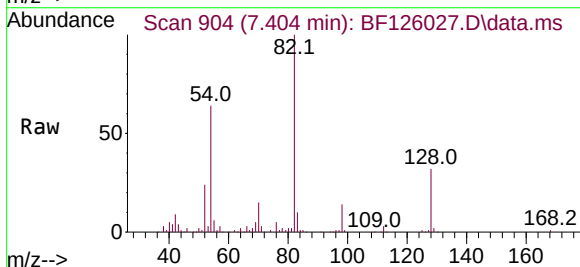
Tgt Ion: 82 Resp: 175392

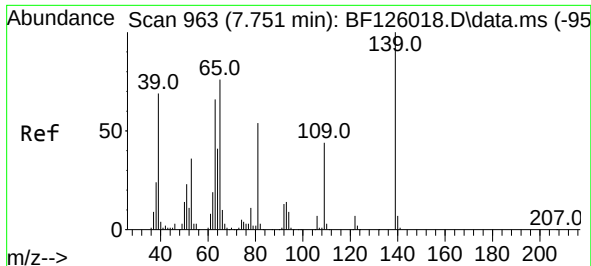
Ion Ratio Lower Upper

82 100

95 0.3 6.5 9.7#

138 0.0 18.4 27.6#

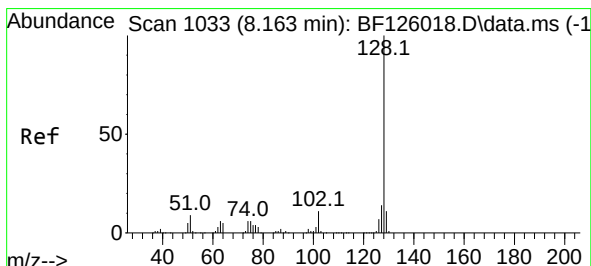
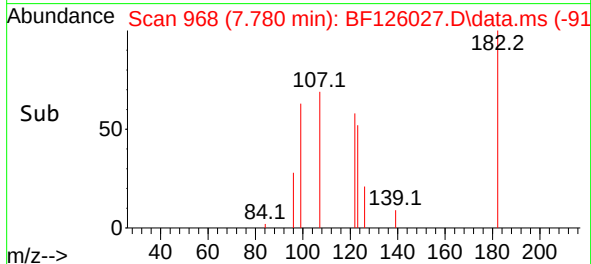
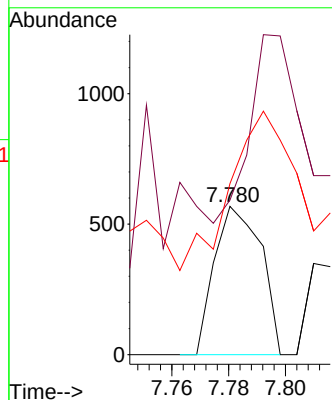
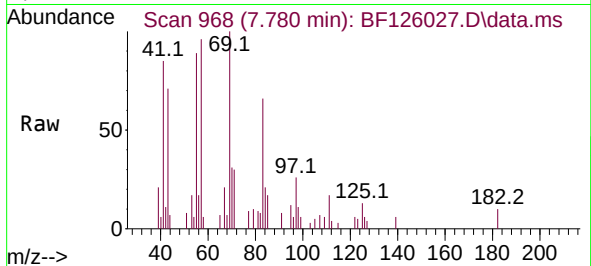




#26
2-Nitrophenol
Concen: 4.770 ng
RT: 7.780 min Scan# 90
Delta R.T. 0.029 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

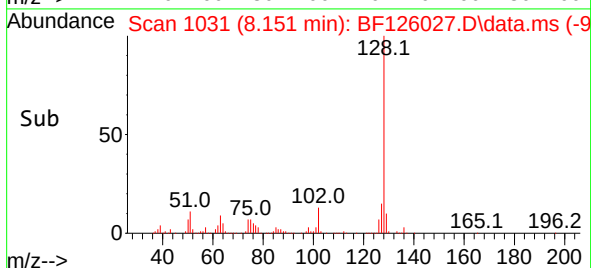
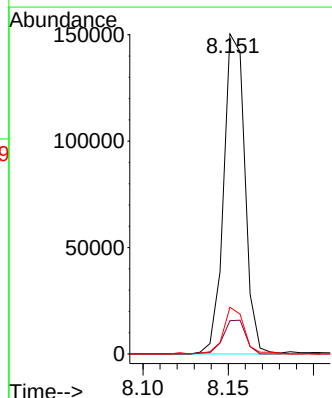
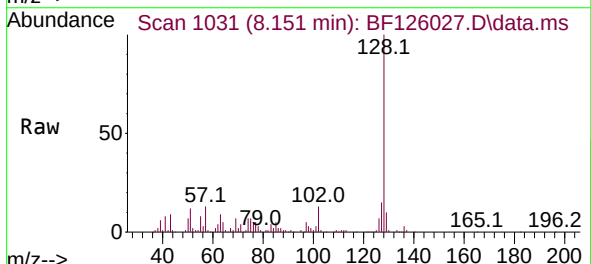
Instrument :
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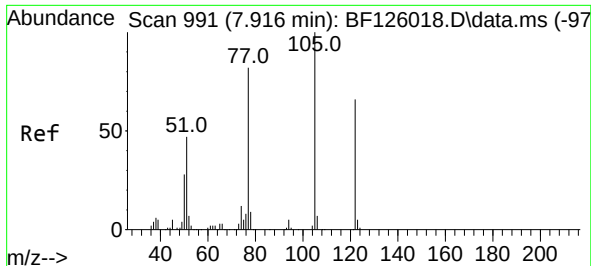
Tgt Ion:139 Resp: 647
Ion Ratio Lower Upper
139 100
109 104.2 26.0 39.0#
65 115.3 31.0 46.4#



#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

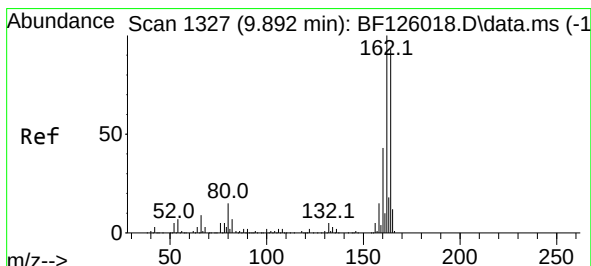
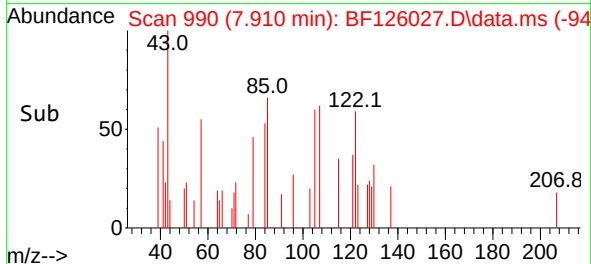
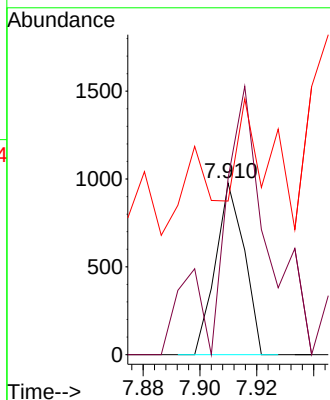
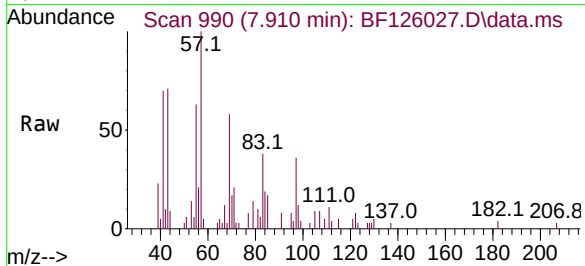




#32
Benzoic acid
Concen: 9.258 ng
RT: 7.910 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

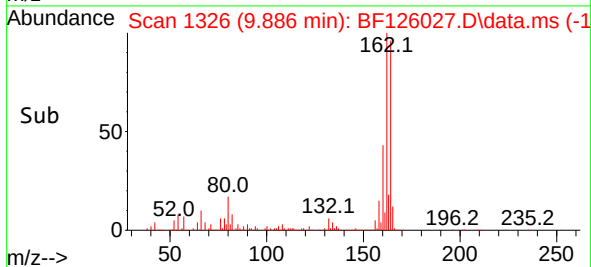
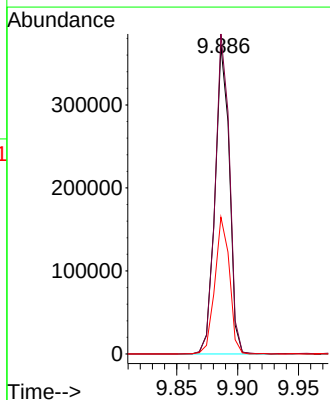
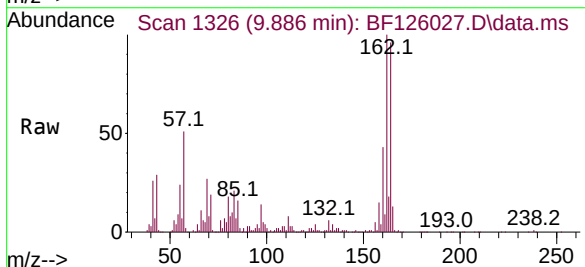
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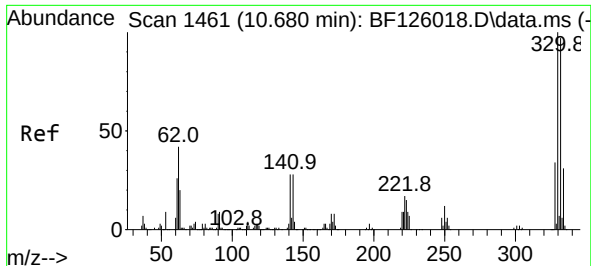
Tgt Ion:122 Resp: 687
Ion Ratio Lower Upper
122 100
105 103.0 97.6 137.6
77 89.5 59.6 99.6



#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

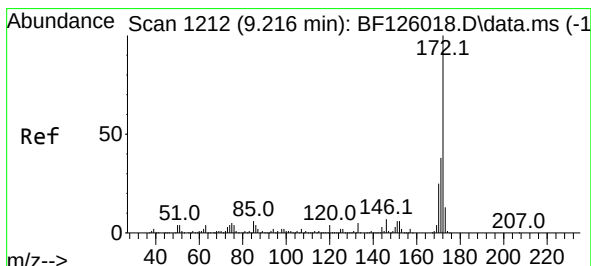
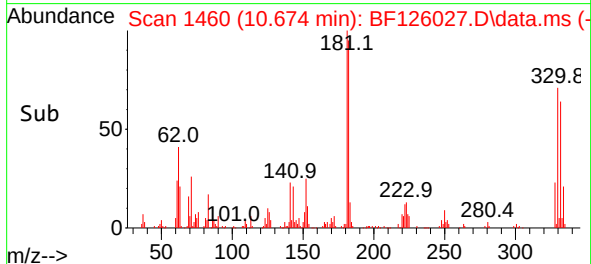
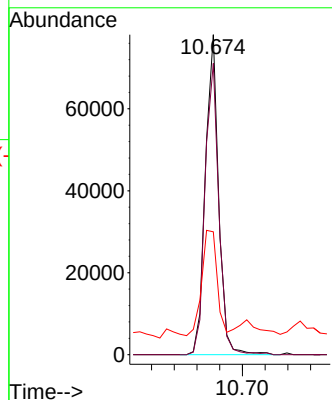
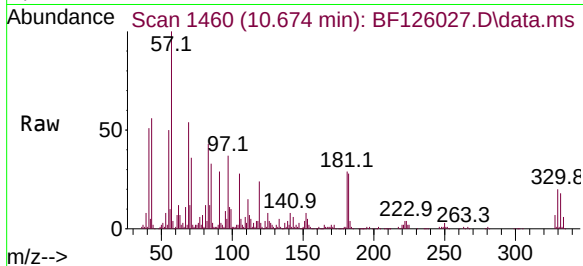




#42
2,4,6-Tribromophenol
Concen: 17.984 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

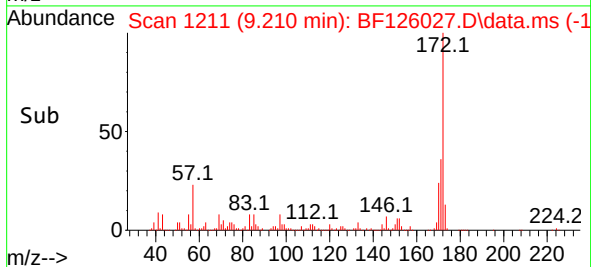
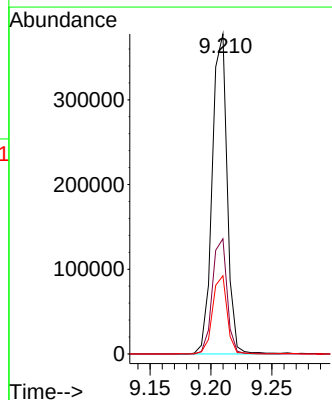
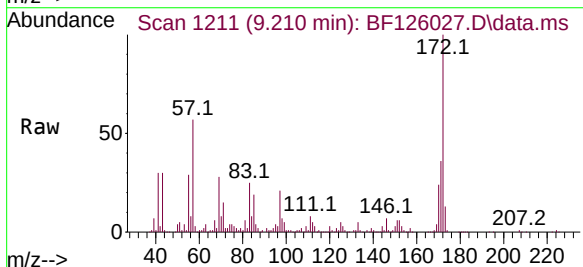
Instrument :
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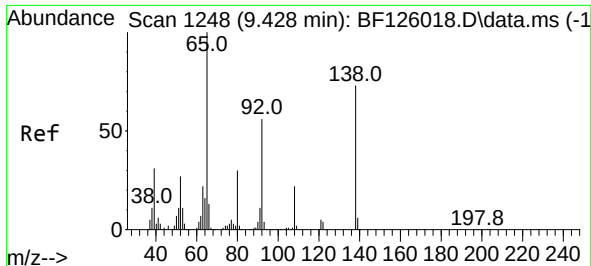
Tgt Ion:330 Resp: 63168
Ion Ratio Lower Upper
330 100
332 94.4 76.2 114.4
141 39.1 44.6 66.8#



#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

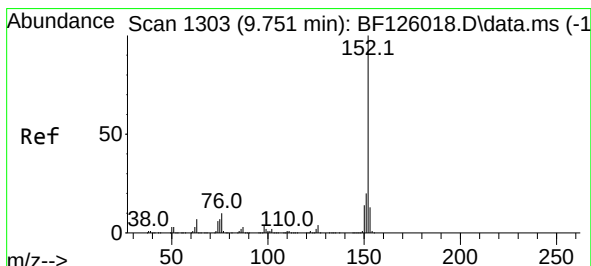
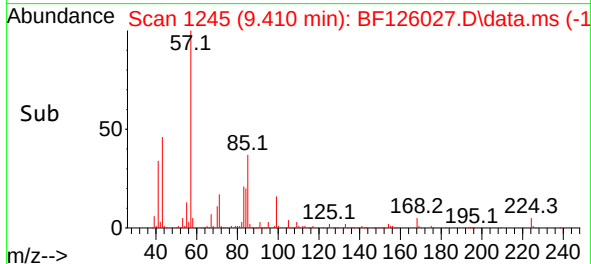
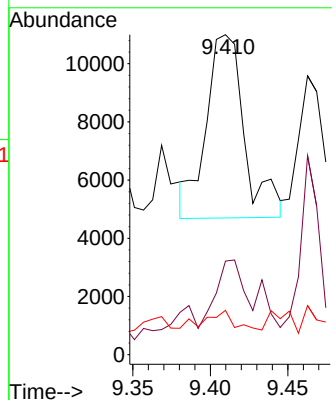
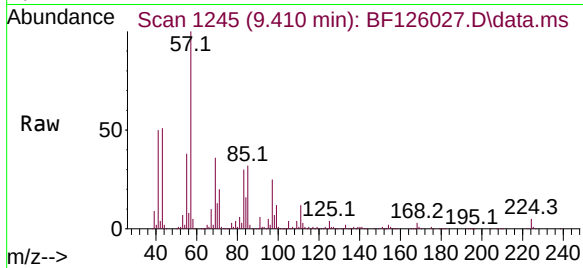




#48
2-Nitroaniline
Concen: 4.528 ng
RT: 9.410 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

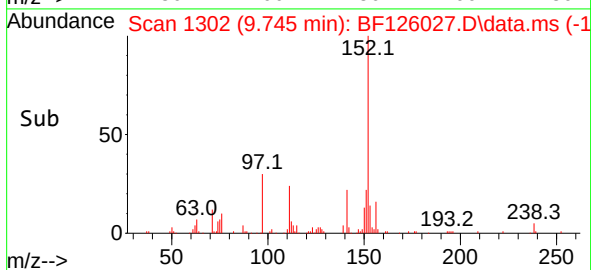
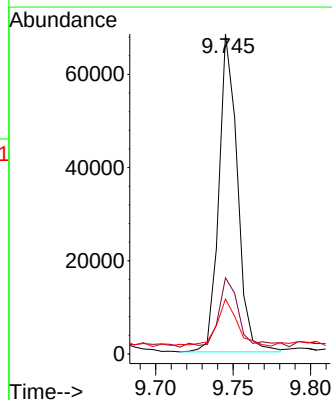
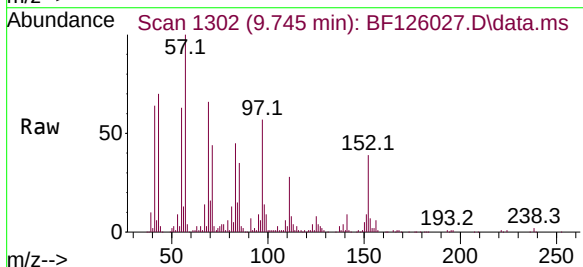
Instrument :
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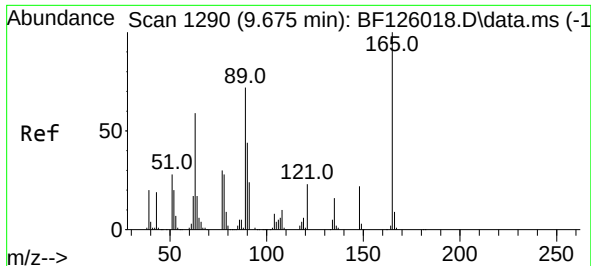
Tgt Ion: 65 Resp: 10887
Ion Ratio Lower Upper
65 100
92 29.3 55.5 83.3#
138 13.9 93.5 140.3#



#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 :

FDR-BH-4-20211029-7.5-8S

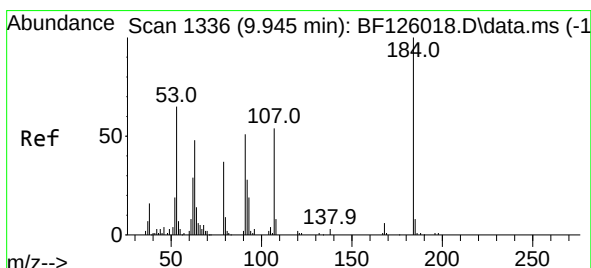
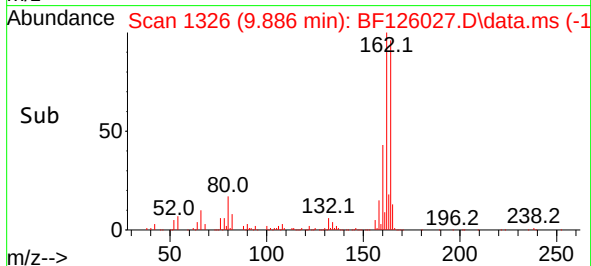
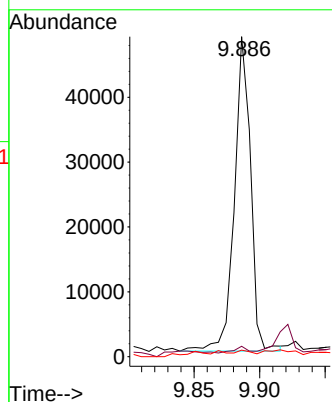
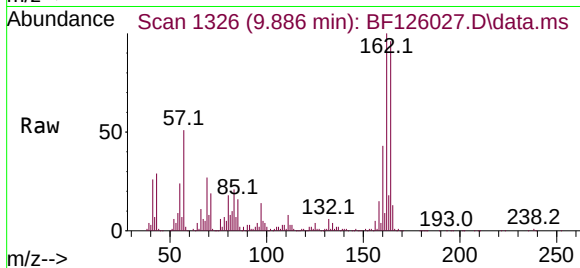
Tgt Ion:165 Resp: 41761

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

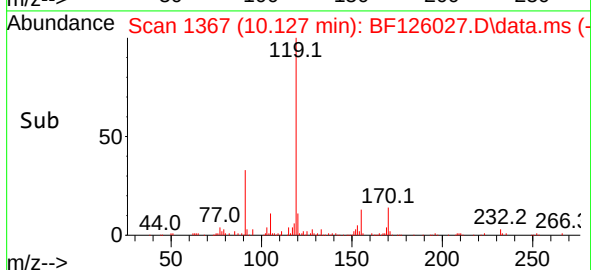
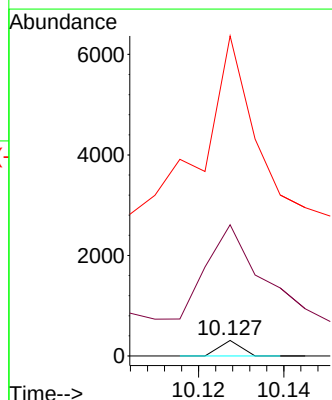
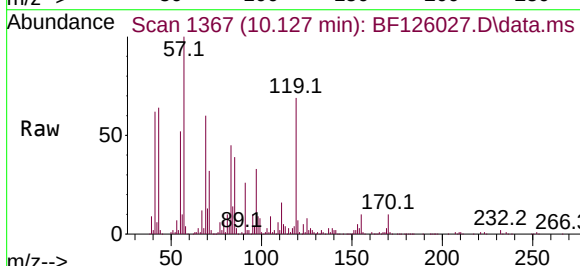
Tgt Ion:184 Resp: 109

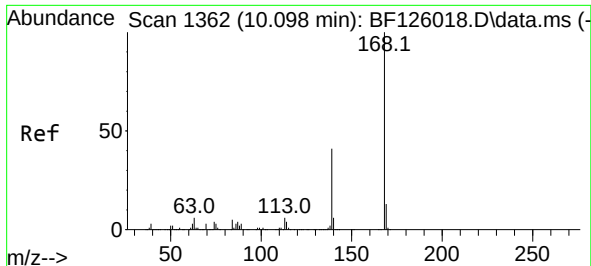
Ion Ratio Lower Upper

184 100

63 844.7 59.3 88.9#

154 2060.5 68.6 102.8#

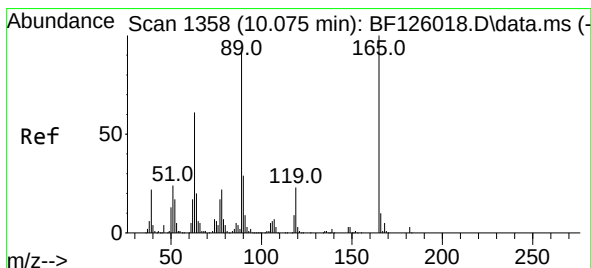
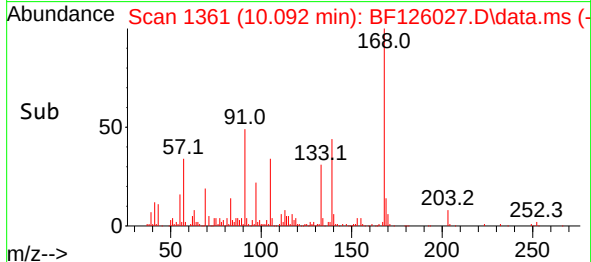
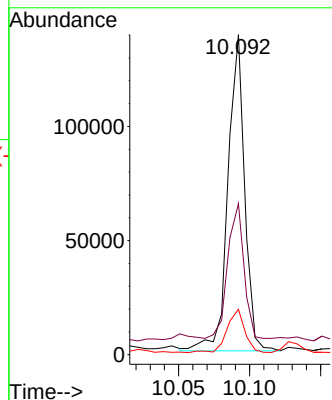
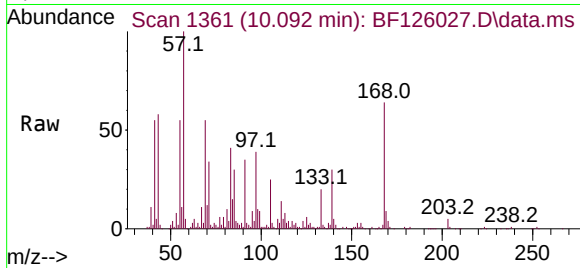




#55
Dibenzenofuran
Concen: 4.218 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

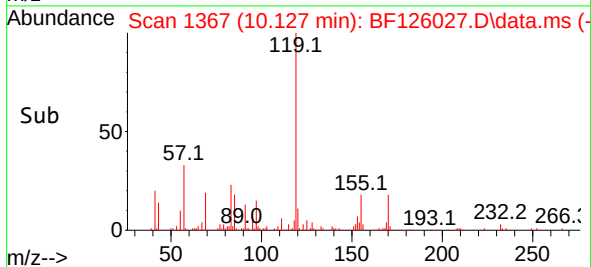
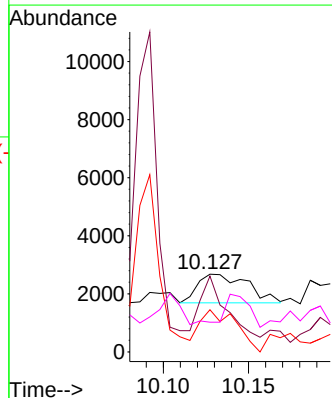
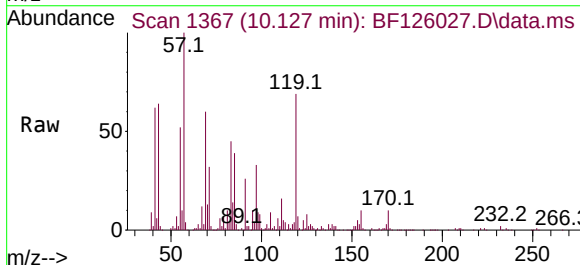
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8S

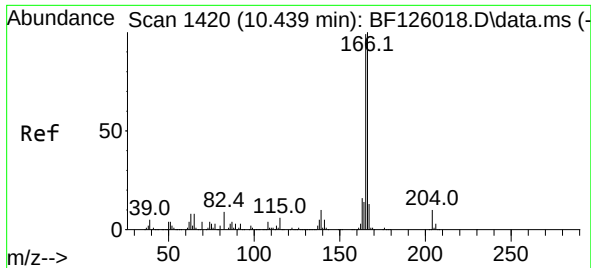
Tgt Ion:168 Resp: 112947
Ion Ratio Lower Upper
168 100
139 47.2 32.7 49.1
169 14.2 11.2 16.8



#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#

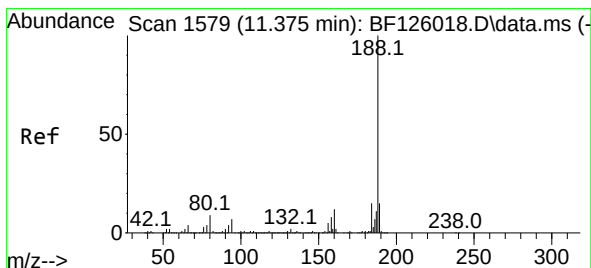
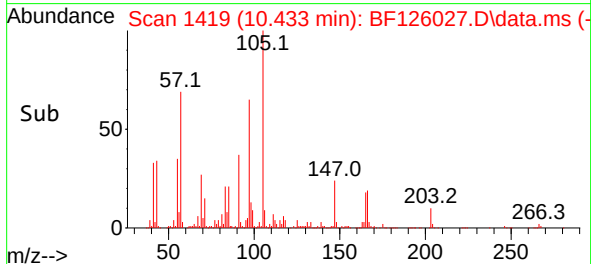
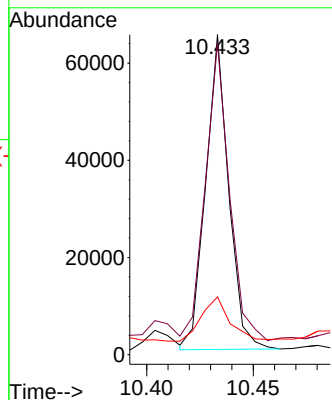
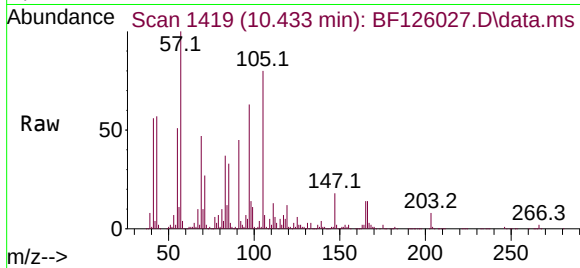




#58
Fluorene
Concen: 2.253 ng
RT: 10.433 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

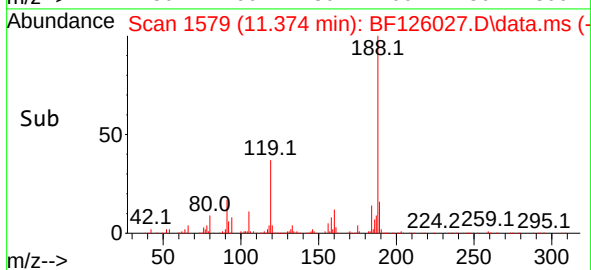
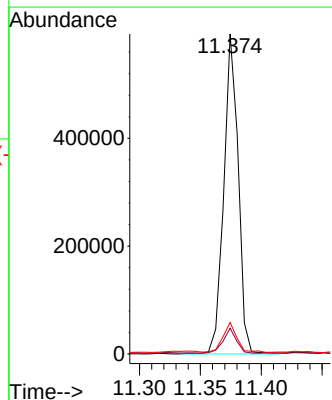
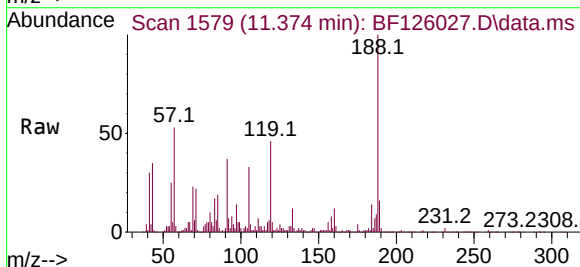
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8S

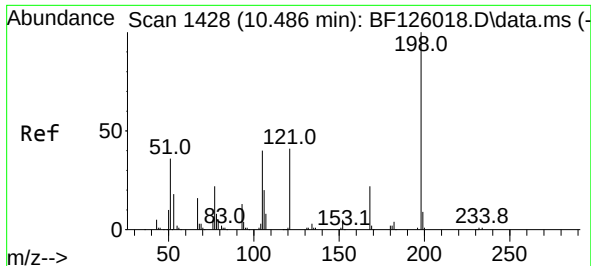
Tgt Ion:166 Resp: 48424
Ion Ratio Lower Upper
166 100
165 97.5 78.1 117.1
167 18.1 11.1 16.7#



#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

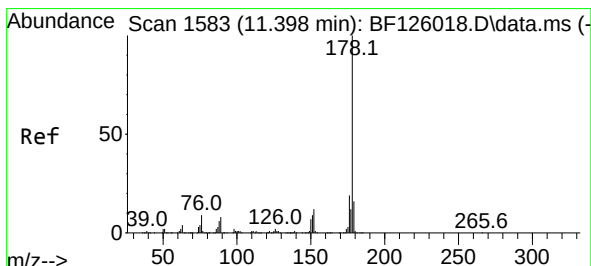
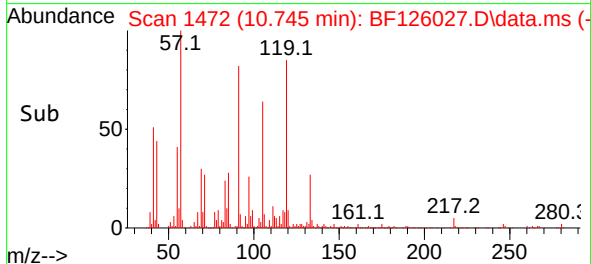
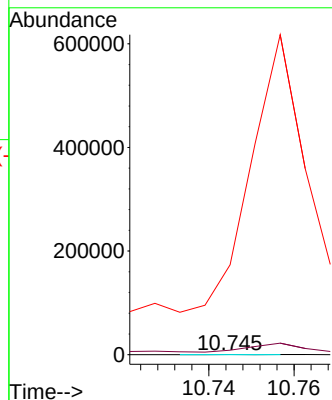
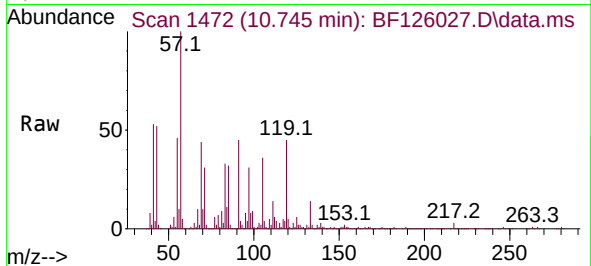




#65
4,6-Dinitro-2-methylphenol
Concen: 8.398 ng
RT: 10.745 min Scan# 14
Delta R.T. 0.259 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

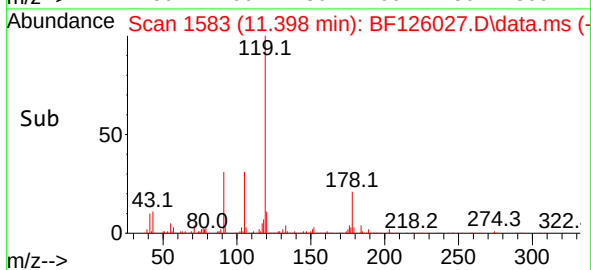
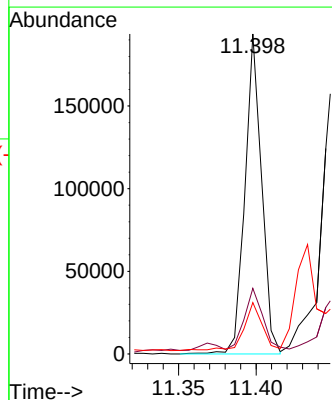
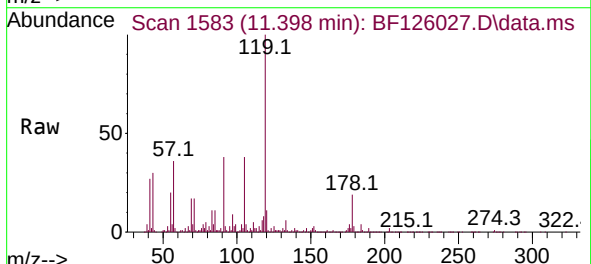
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8S

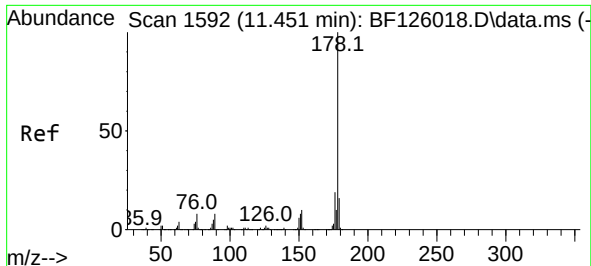
Tgt Ion:198 Resp: 231
Ion Ratio Lower Upper
198 100
51 2627.1 45.3 85.3#
105 52736.8 30.6 70.6#



#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

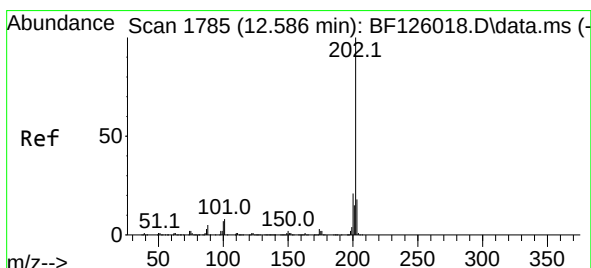
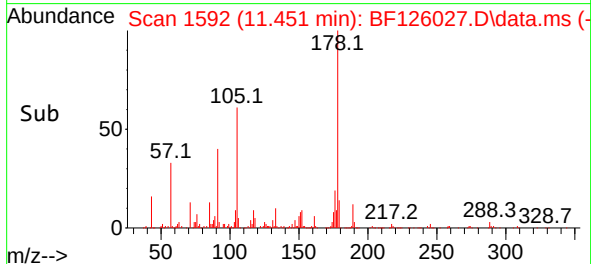
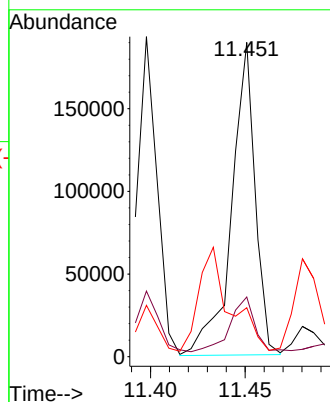
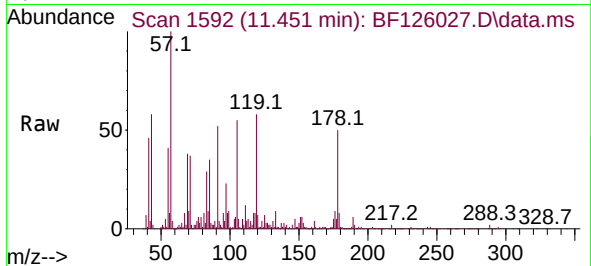




#72
 Anthracene
 Concen: 6.150 ng
 RT: 11.451 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF126027.D
 Acq: 3 Nov 2021 19:20

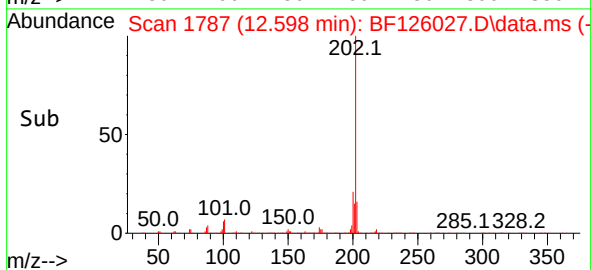
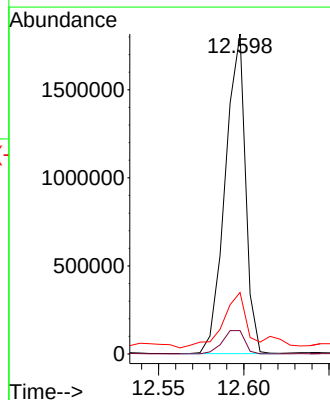
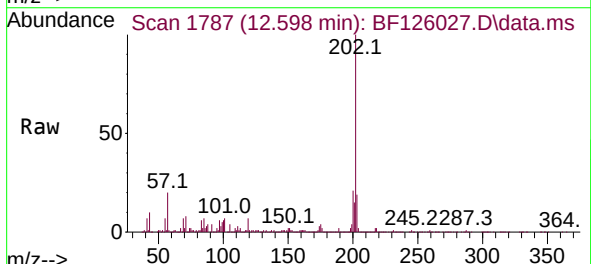
Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-4-20211029-7.5-8S

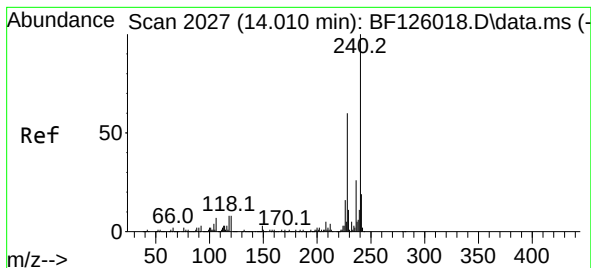
Tgt Ion:178 Resp: 163277
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.3 21.5
 179 15.6 12.2 18.4



#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# 20

Delta R.T. 0.005 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

Instrument :

BNA_F

ClientSampleId :

FDR-BH-4-20211029-7.5-8S

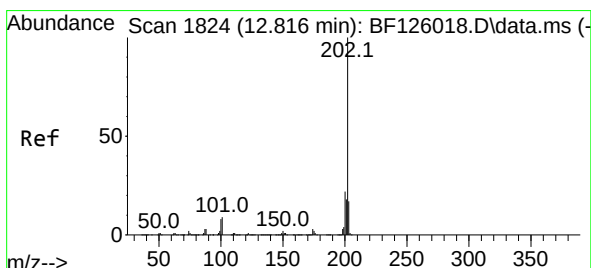
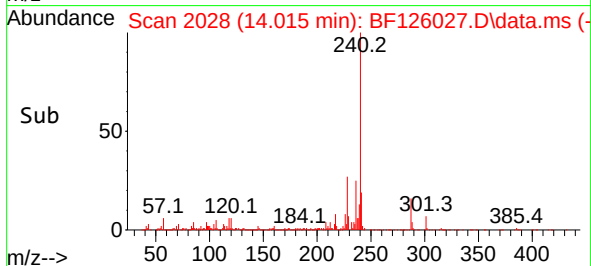
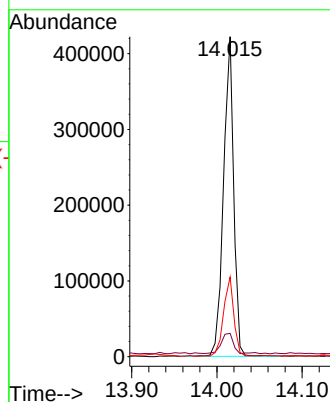
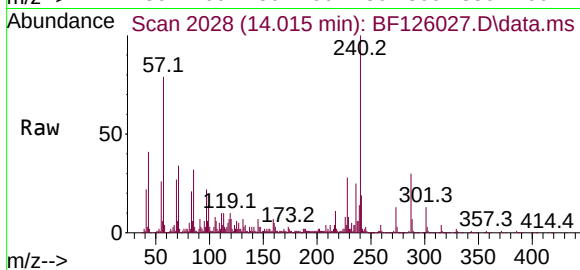
Tgt Ion:240 Resp: 349879

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

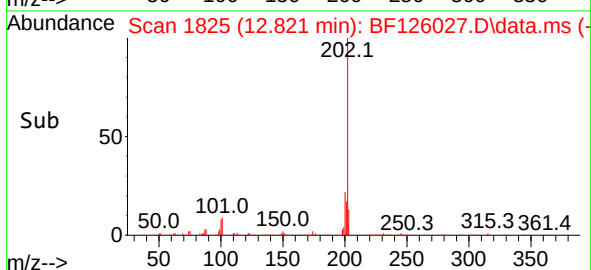
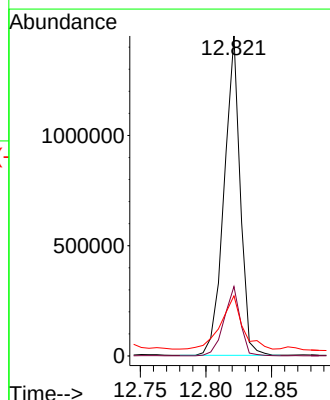
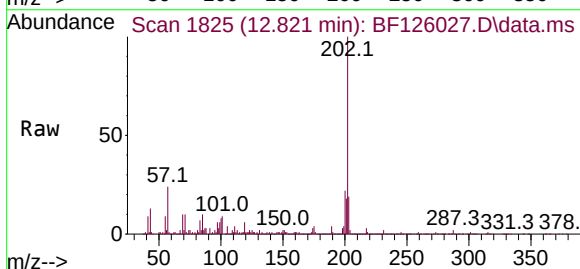
Tgt Ion:202 Resp: 1229751

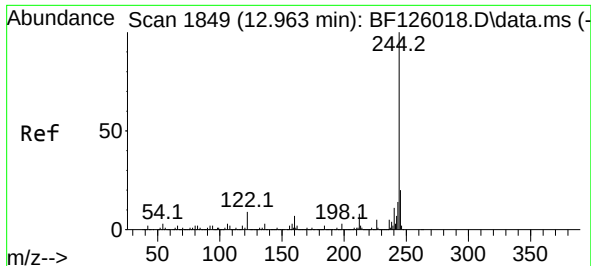
Ion Ratio Lower Upper

202 100

200 21.7 15.3 22.9

203 18.8 13.4 20.0

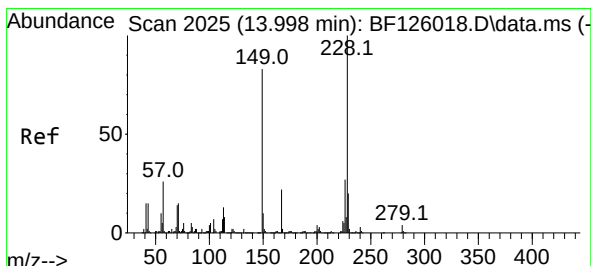
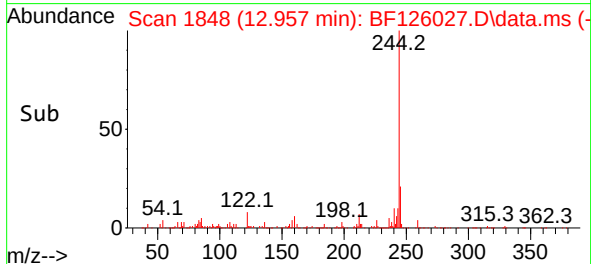
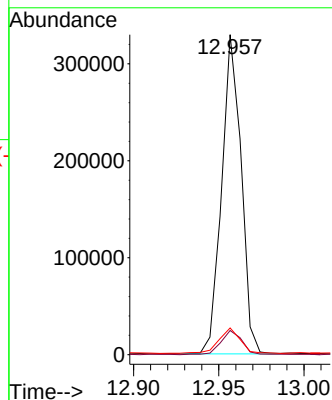
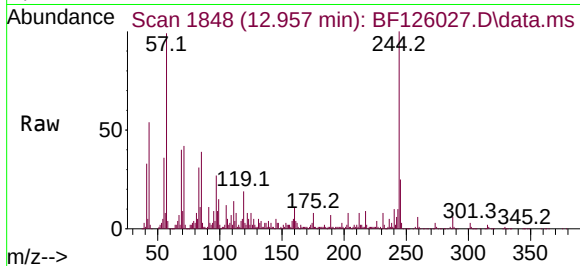




#79
 Terphenyl-d14
 Concen: 12.068 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF126027.D
 Acq: 3 Nov 2021 19:20

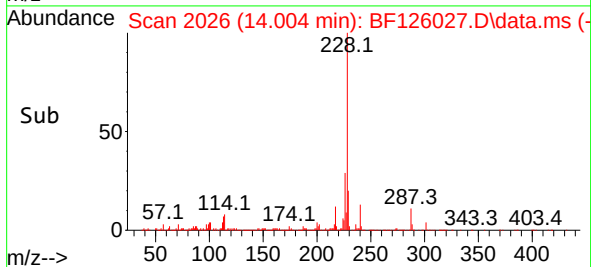
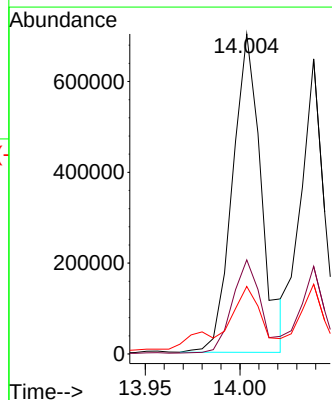
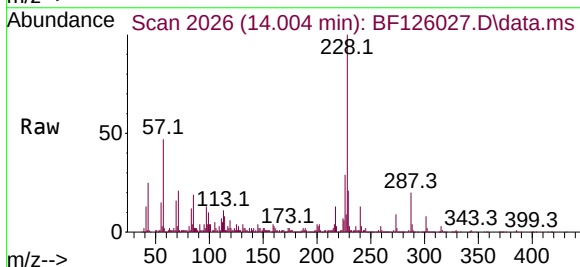
Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-4-20211029-7.5-8S

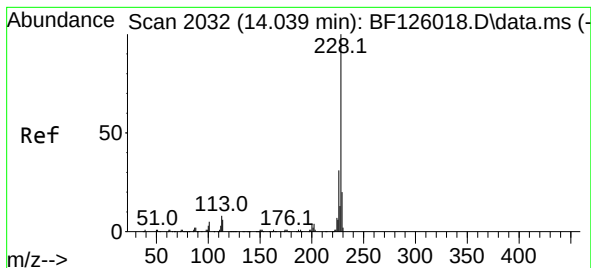
Tgt Ion:244 Resp: 261844
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 8.3 9.0 13.4#



#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 :

FDR-BH-4-20211029-7.5-8S

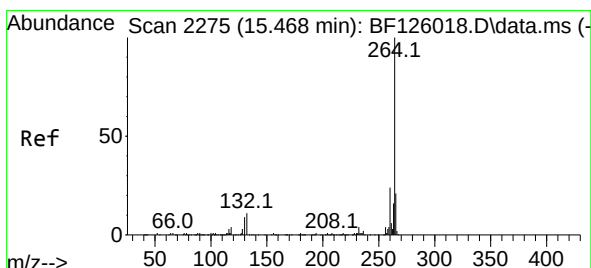
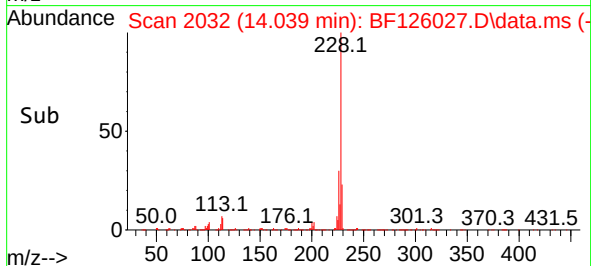
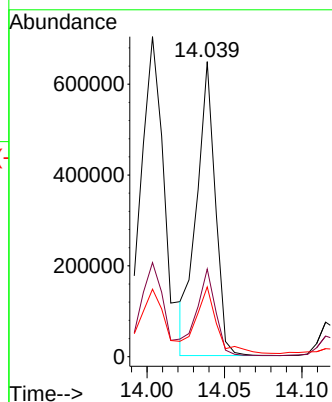
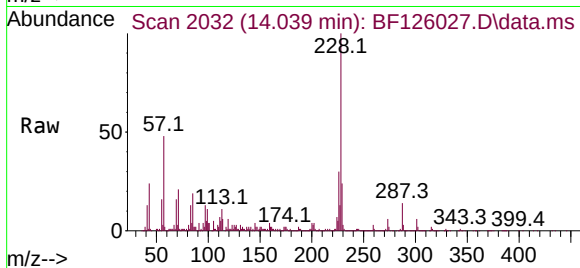
Tgt Ion:228 Resp: 540216

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

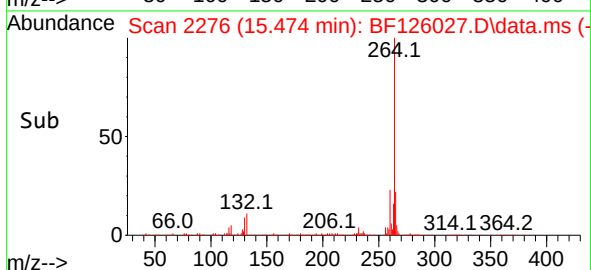
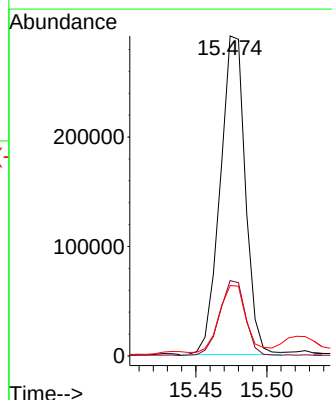
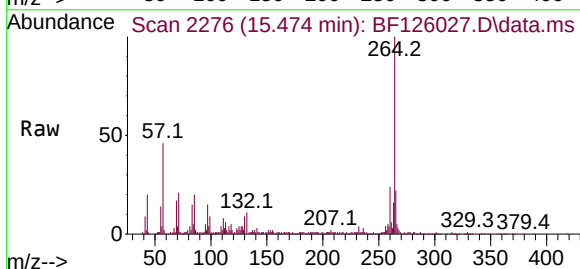
Tgt Ion:264 Resp: 358136

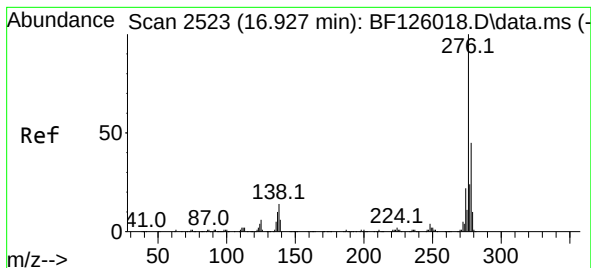
Ion Ratio Lower Upper

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 :

FDR-BH-4-20211029-7.5-8S

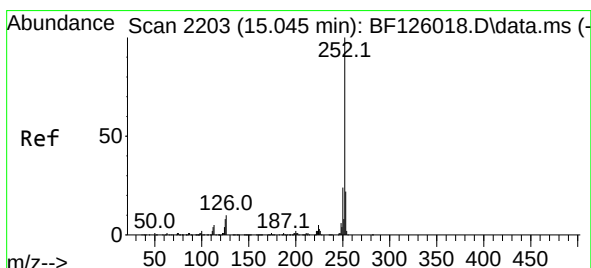
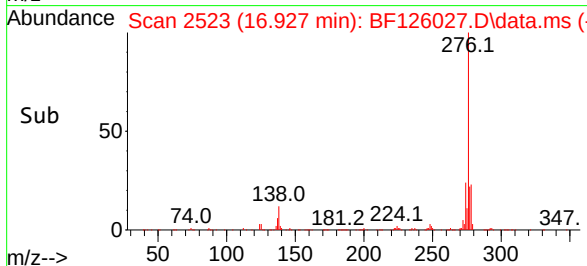
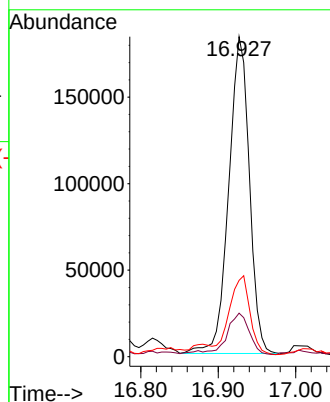
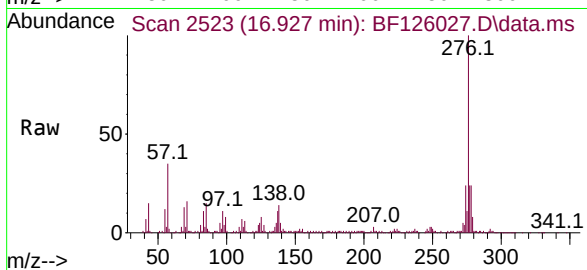
Tgt Ion:276 Resp: 339898

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

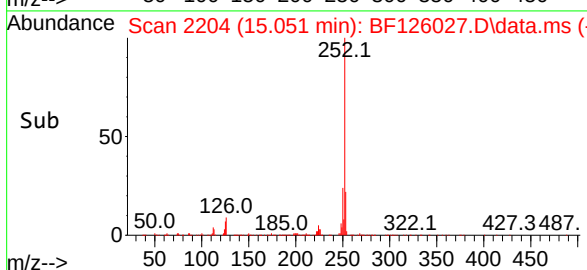
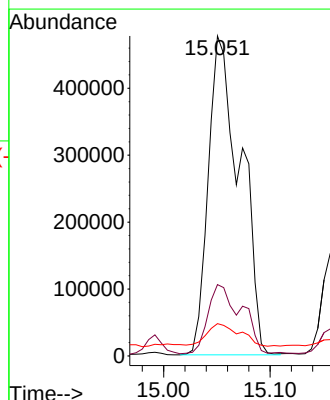
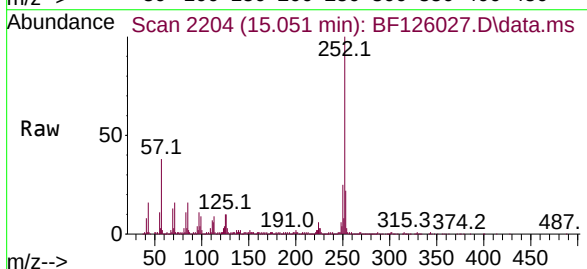
Tgt Ion:252 Resp: 999660

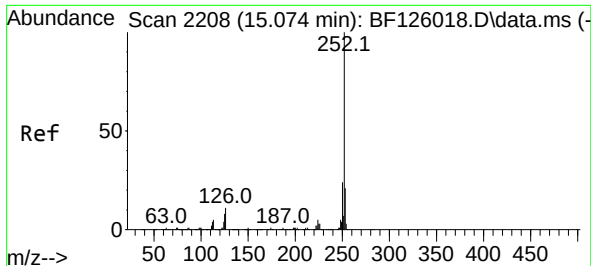
Ion Ratio Lower Upper

252 100

253 22.3 16.8 25.2

125 10.1 9.8 14.8

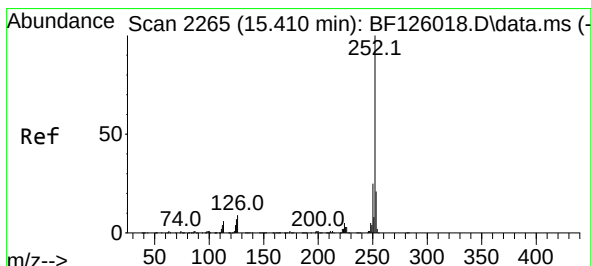
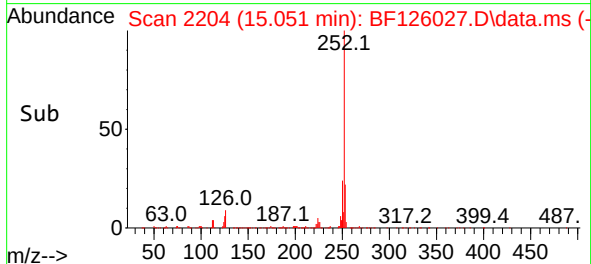
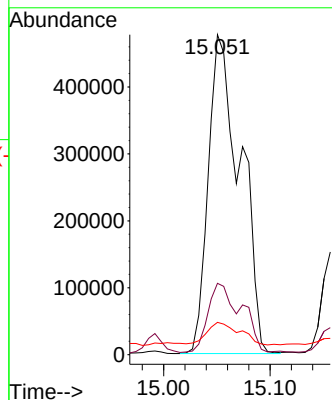
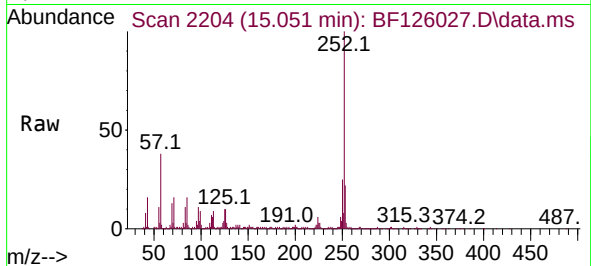




#89
Benzo(k)fluoranthene
Concen: 44.238 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

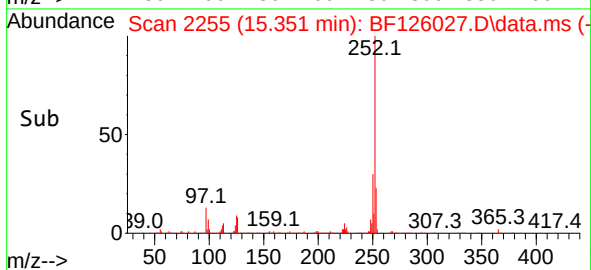
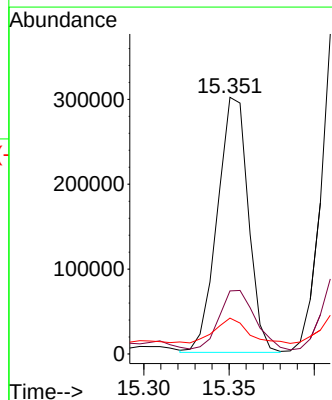
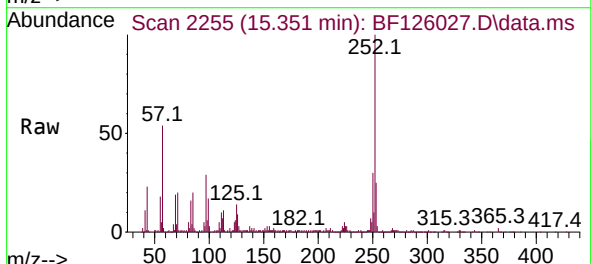
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8S

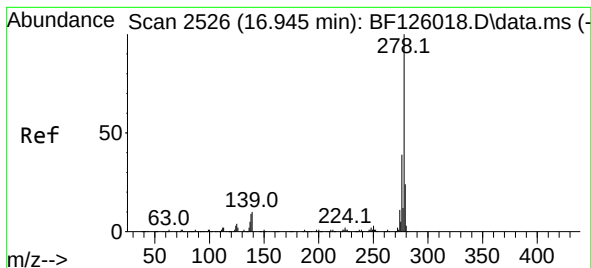
Tgt Ion:252 Resp: 999660
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 10.1 7.2 10.8



#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# 2526

Delta R.T. -0.012 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

Instrument :

BNA_F

ClientSampleId :

FDR-BH-4-20211029-7.5-8S

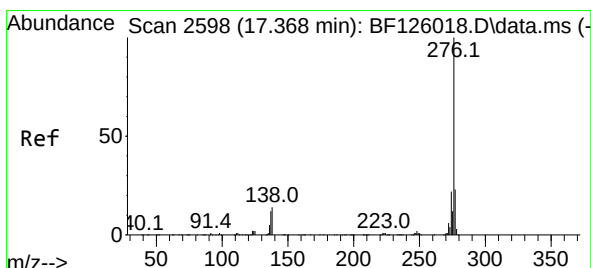
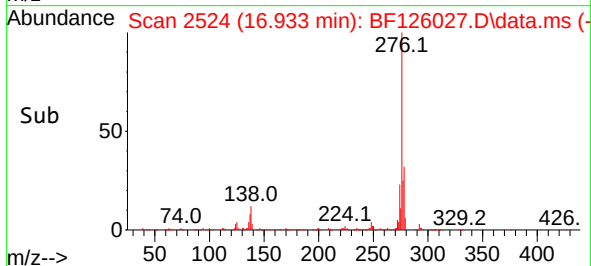
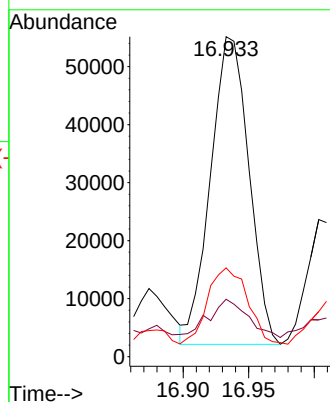
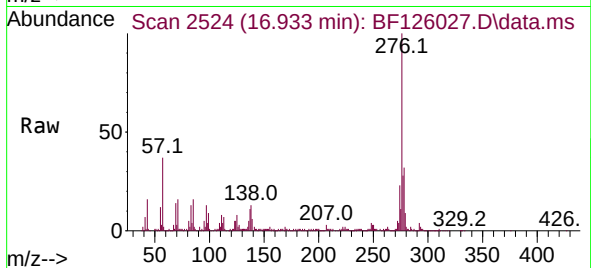
Tgt Ion:278 Resp: 107890

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#

