

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133048.D
 Acq On : 26 Apr 2023 02:04
 Operator : CG\JU
 Sample : 02389-19 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPB-5WC-23-04-17

Quant Time: Apr 26 03:44:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

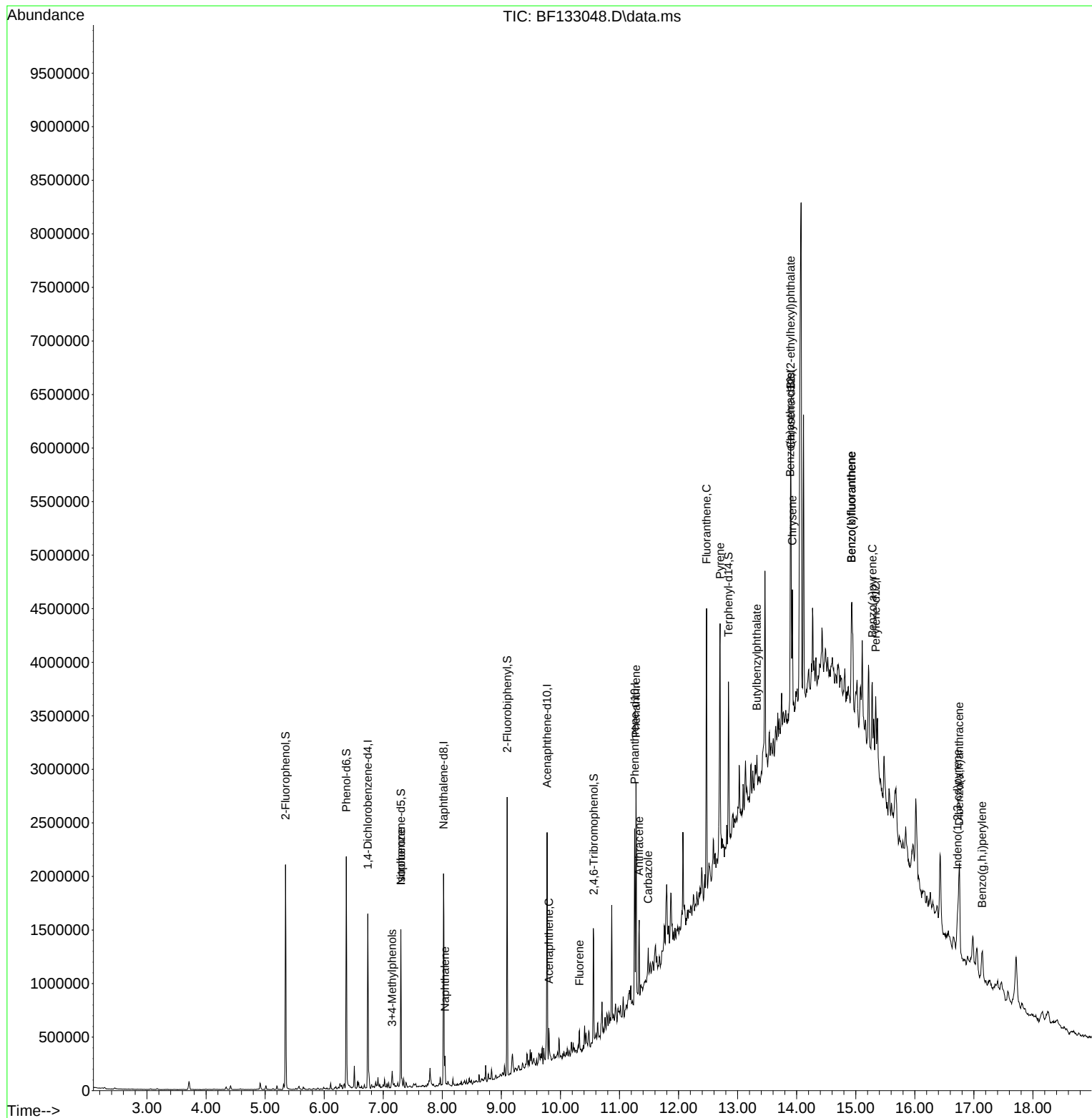
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	204650	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	800941	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	379129	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	563288	20.000	ng	0.00
76) Chrysene-d12	13.904	240	356835	20.000	ng	0.00
86) Perylene-d12	15.339	264	323298	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	541232	39.951	ng	0.00
7) Phenol-d6	6.375	99	648304	38.554	ng	-0.01
23) Nitrobenzene-d5	7.298	82	373935	25.200	ng	-0.01
42) 2,4,6-Tribromophenol	10.563	330	123030	32.267	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	657840	29.029	ng	-0.01
79) Terphenyl-d14	12.845	244	498728	24.105	ng	0.00
Target Compounds						
9) Benzaldehyde	6.287	77	6324	Below Cal	Qvalue	# 76
20) 3+4-Methylphenols	7.151	107	37906	2.556	ng	# 60
25) Isophorone	7.298	82	372864	13.235	ng	# 63
31) Naphthalene	8.045	128	87251	2.179	ng	99
52) Acenaphthene	9.804	154	58034	2.464	ng	98
58) Fluorene	10.322	166	48025	2.041	ng	99
71) Phenanthrene	11.280	178	703835	23.248	ng	99
72) Anthracene	11.333	178	271532	8.764	ng	99
73) Carbazole	11.486	167	94823	3.437	ng	97
75) Fluoranthene	12.474	202	1073905	35.344	ng	97
78) Pyrene	12.704	202	1024085	33.479	ng	99
80) Butylbenzylphthalate	13.327	149	41311	3.814	ng	# 82
81) Benzo(a)anthracene	13.892	228	476880	19.434	ng	96
83) Chrysene	13.927	228	477831	19.478	ng	97
84) Bis(2-ethylhexyl)phtha...	13.898	149	467879	34.417	ng	100
87) Indeno(1,2,3-cd)pyrene	16.721	276	226390	12.311	ng	95
88) Benzo(b)fluoranthene	14.927	252	761876	37.042	ng	# 88
89) Benzo(k)fluoranthene	14.927	252	761876	37.368	ng	# 88
90) Benzo(a)pyrene	15.280	252	352708	18.840	ng	# 90
91) Dibenzo(a,h)anthracene	16.751	278	62499	4.075	ng	# 31
92) Benzo(g,h,i)perylene	17.139	276	212386	14.026	ng	98

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

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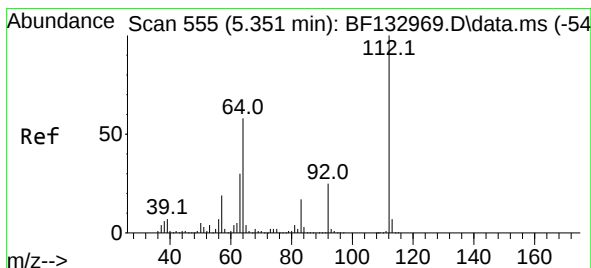
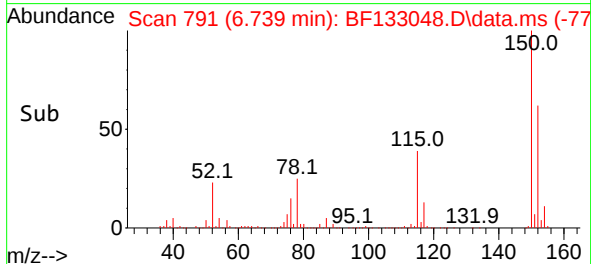
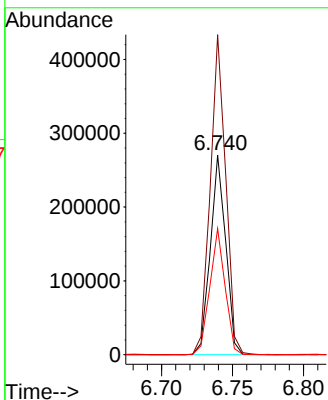
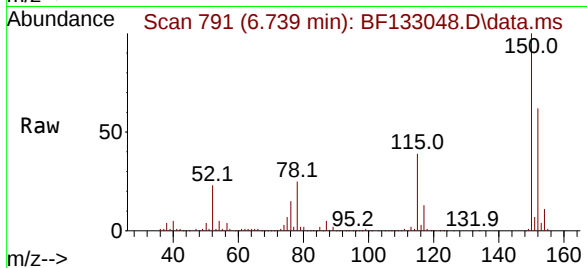




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.739 min Scan# 793
 Delta R.T. -0.006 min
 Lab File: BF133048.D
 Acq: 26 Apr 2023 02:04

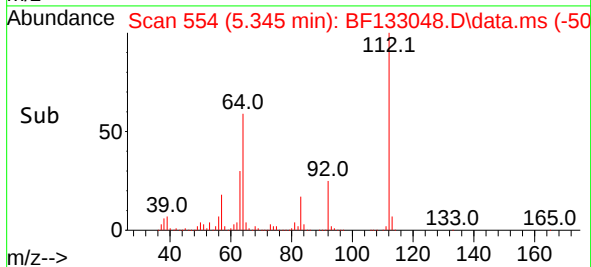
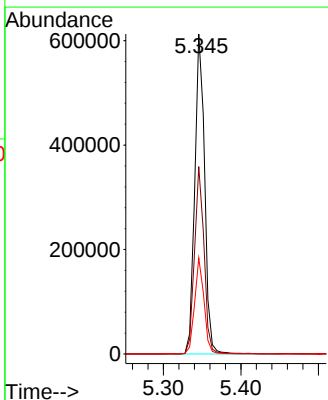
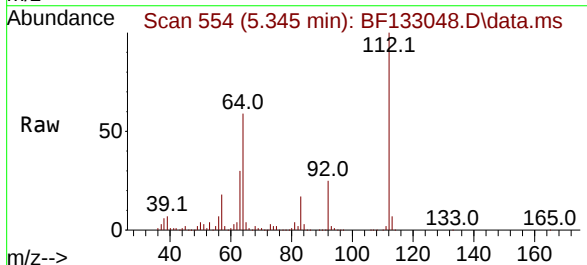
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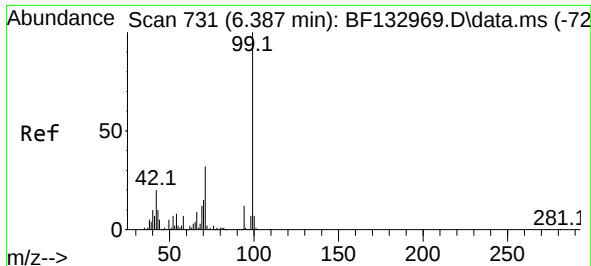
Tgt Ion:152 Resp: 204650
 Ion Ratio Lower Upper
 152 100
 150 160.2 124.8 187.2
 115 63.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 39.951 ng
 RT: 5.345 min Scan# 554
 Delta R.T. -0.006 min
 Lab File: BF133048.D
 Acq: 26 Apr 2023 02:04

Tgt Ion:112 Resp: 541232
 Ion Ratio Lower Upper
 112 100
 64 58.6 46.8 70.2
 63 30.0 23.8 35.8





#7

Phenol-d6

Concen: 38.554 ng

RT: 6.375 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF133048.D

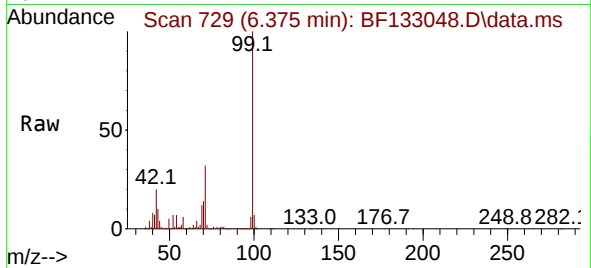
Acq: 26 Apr 2023 02:04

Instrument :

BNA_F

ClientSampleId :

SPB-5WC-23-04-17



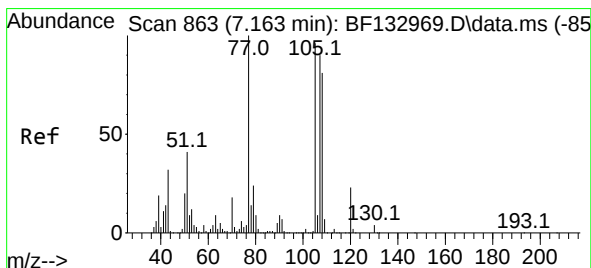
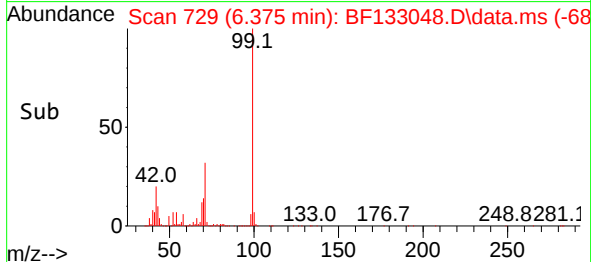
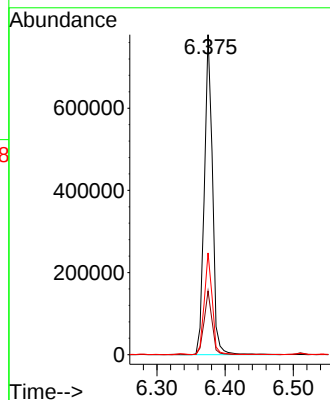
Tgt Ion: 99 Resp: 648304

Ion Ratio Lower Upper

99 100

42 19.9 16.3 24.5

71 31.8 25.6 38.4



#20

3+4-Methylphenols

Concen: 2.556 ng

RT: 7.151 min Scan# 861

Delta R.T. -0.012 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

Tgt Ion: 107 Resp: 37906

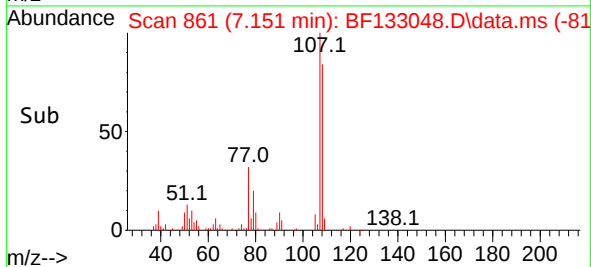
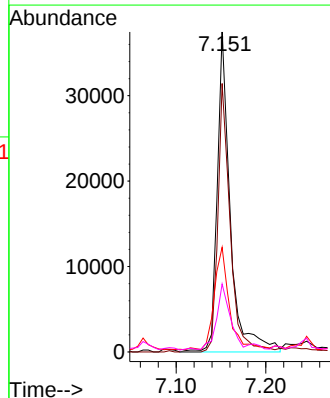
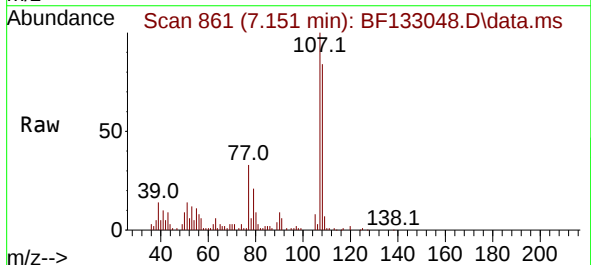
Ion Ratio Lower Upper

107 100

108 83.9 70.5 110.5

77 32.7 91.7 131.7

79 21.3 7.1 47.1

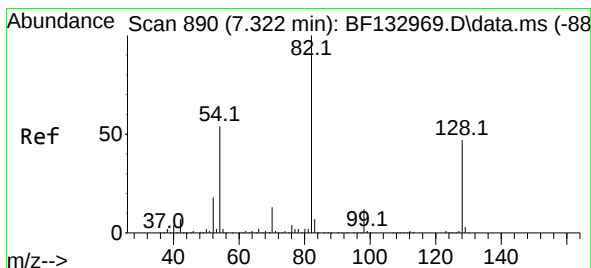
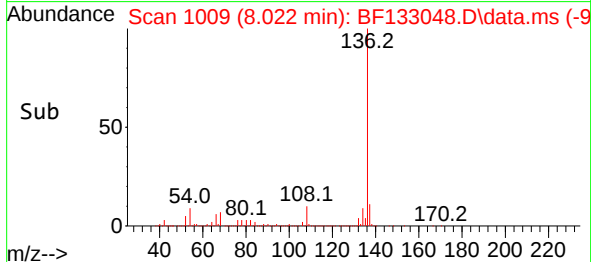
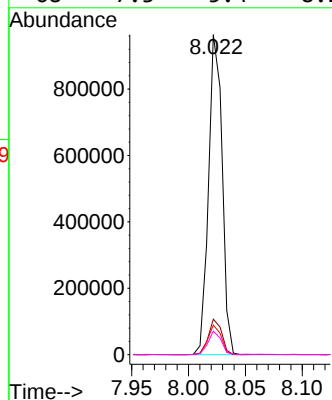
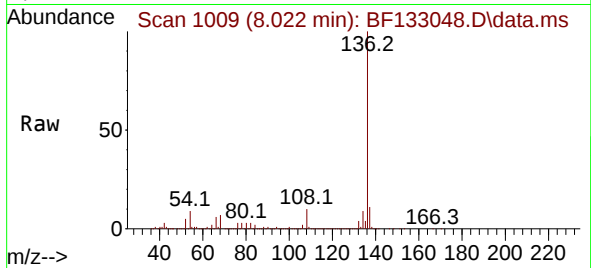




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133048.D
Acq: 26 Apr 2023 02:04

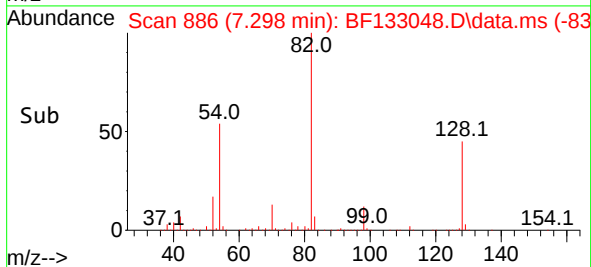
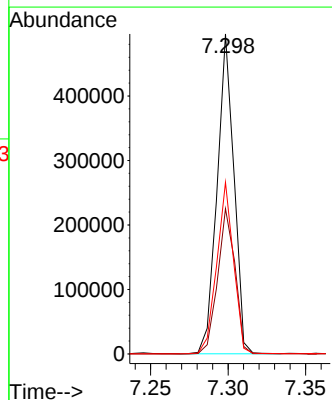
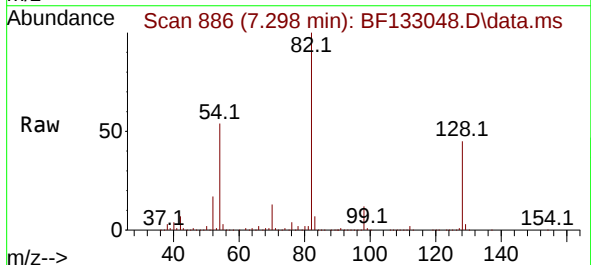
Instrument :
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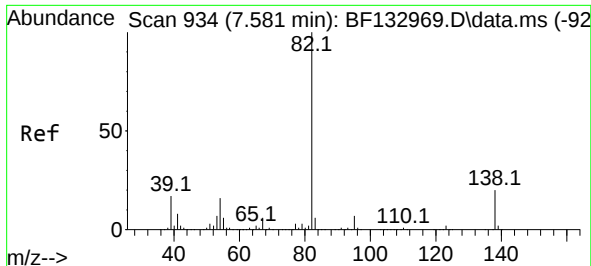
Tgt Ion:136 Resp: 800941
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.2 7.0 10.4
68 7.3 5.4 8.2



#23
Nitrobenzene-d5
Concen: 25.200 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF133048.D
Acq: 26 Apr 2023 02:04

Tgt Ion: 82 Resp: 373935
Ion Ratio Lower Upper
82 100
128 45.4 37.7 56.5
54 53.6 43.0 64.4

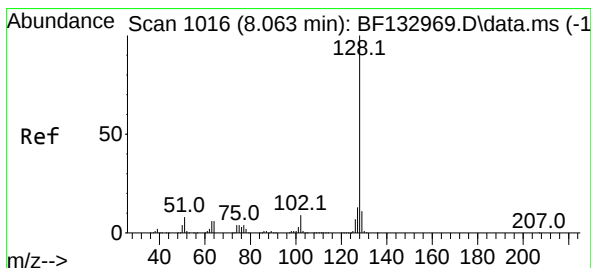
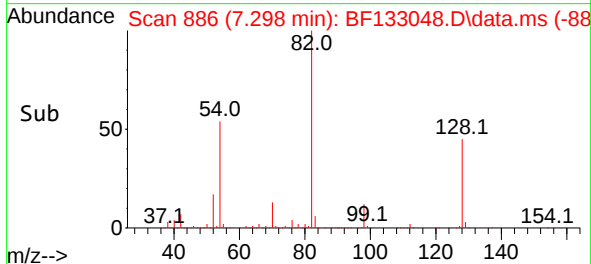
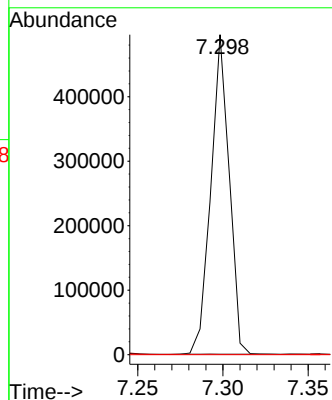
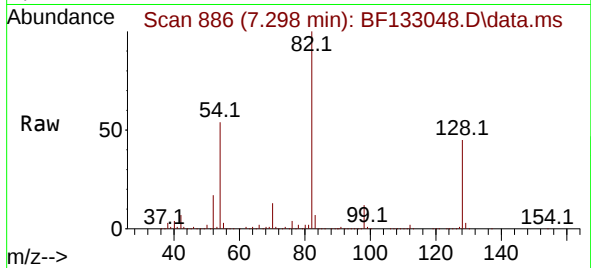




#25
Isophorone
Concen: 13.235 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF133048.D
Acq: 26 Apr 2023 02:04

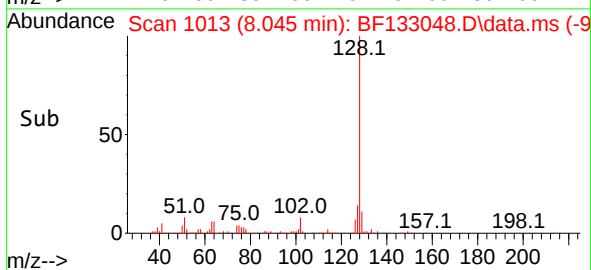
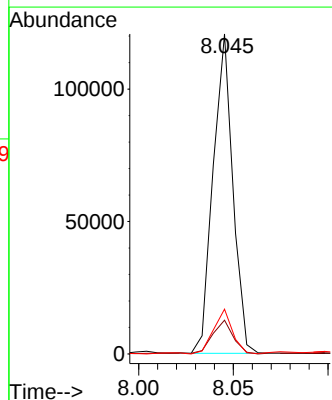
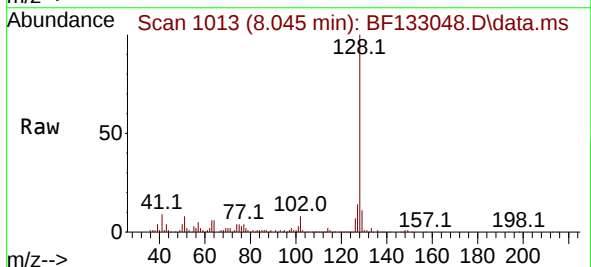
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BNA_F
ClientSampleId :
SPB-5WC-23-04-17

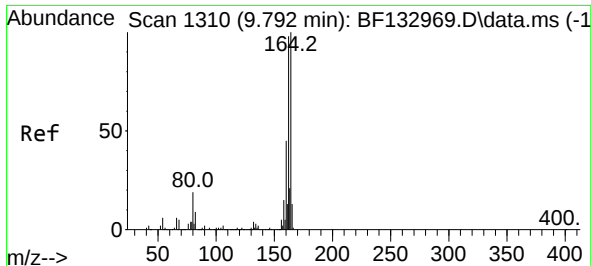
Tgt Ion: 82 Resp: 372864
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#31
Naphthalene
Concen: 2.179 ng
RT: 8.045 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF133048.D
Acq: 26 Apr 2023 02:04

Tgt Ion: 128 Resp: 87251
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 14.0 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

Instrument :

BNA_F

ClientSampleId :

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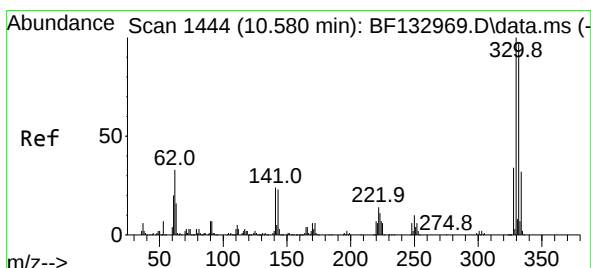
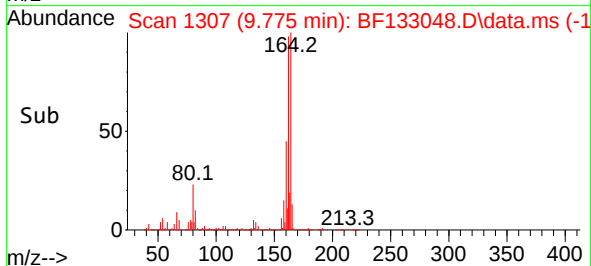
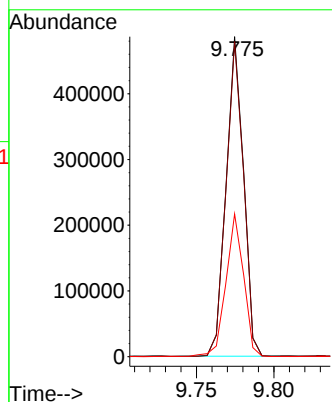
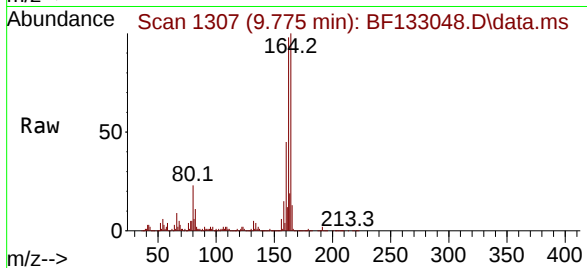
Tgt Ion:164 Resp: 379129

Ion Ratio Lower Upper

164 100

162 98.4 78.7 118.1

160 44.6 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 32.267 ng

RT: 10.563 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

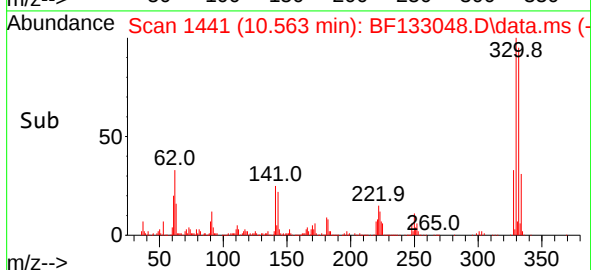
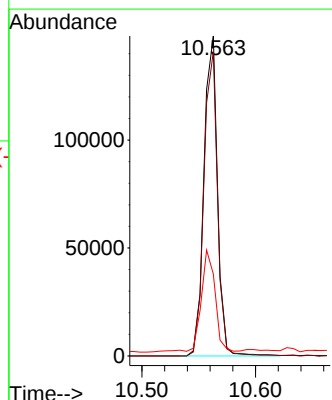
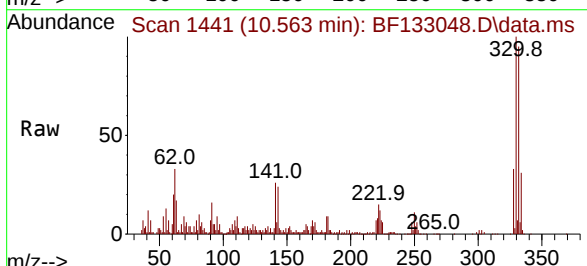
Tgt Ion:330 Resp: 123030

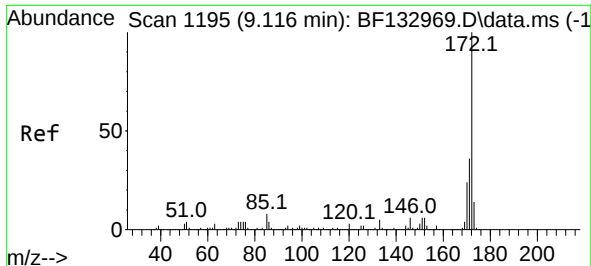
Ion Ratio Lower Upper

330 100

332 95.3 77.1 115.7

141 33.3 25.8 38.8

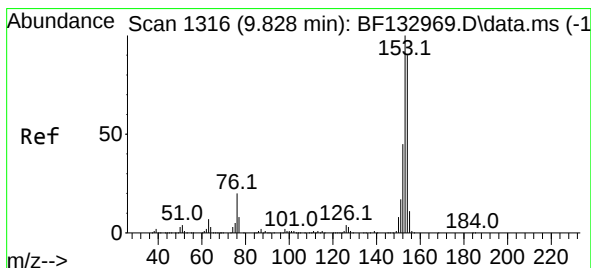
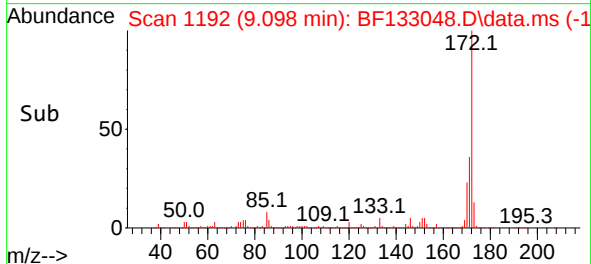
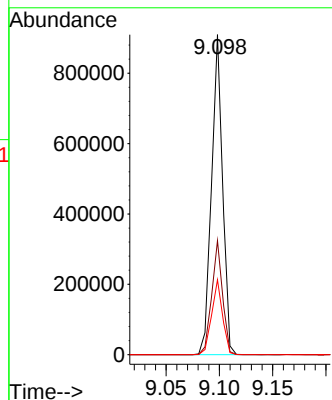
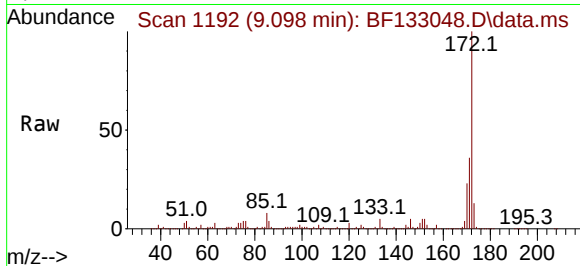




#45
2-Fluorobiphenyl
Concen: 29.029 ng
RT: 9.098 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF133048.D
Acq: 26 Apr 2023 02:04

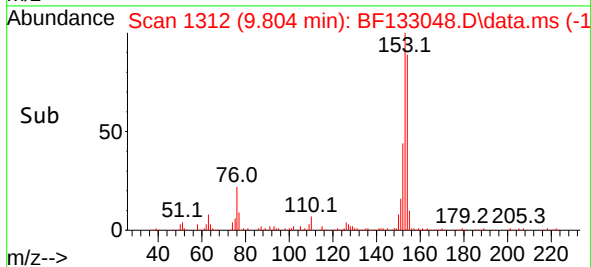
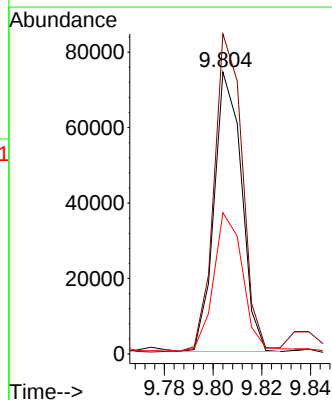
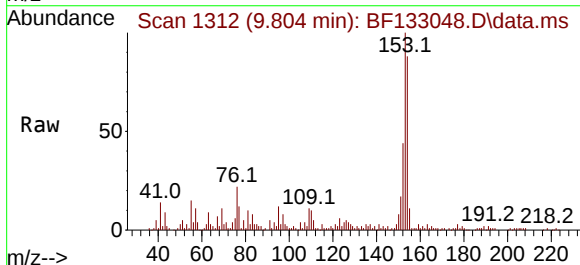
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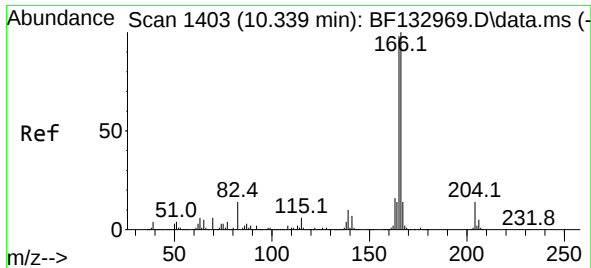
Tgt Ion:172 Resp: 657840
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.4 19.4 29.2



#52
Acenaphthene
Concen: 2.464 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF133048.D
Acq: 26 Apr 2023 02:04

Tgt Ion:154 Resp: 58034
Ion Ratio Lower Upper
154 100
153 113.5 89.0 133.6
152 50.1 40.4 60.6

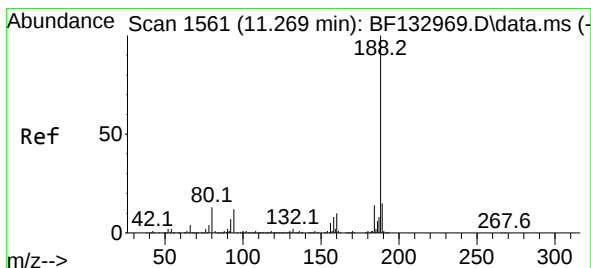
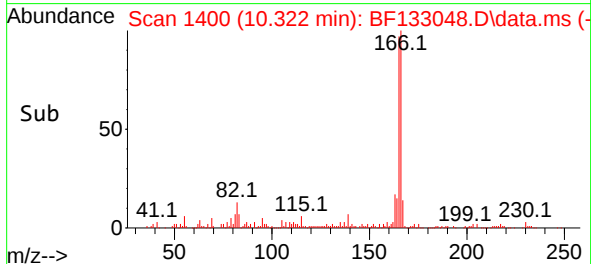
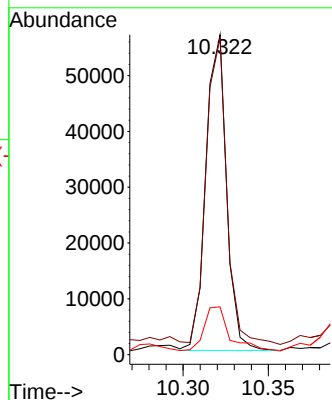
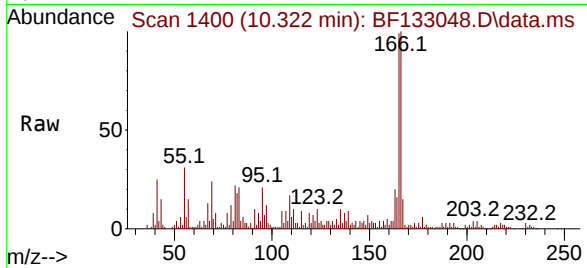




#58
Fluorene
Concen: 2.041 ng
RT: 10.322 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF133048.D
Acq: 26 Apr 2023 02:04

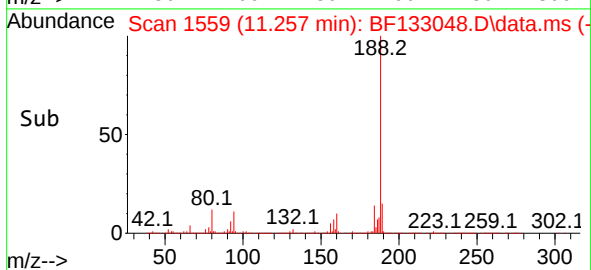
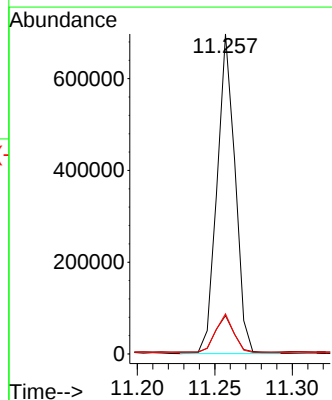
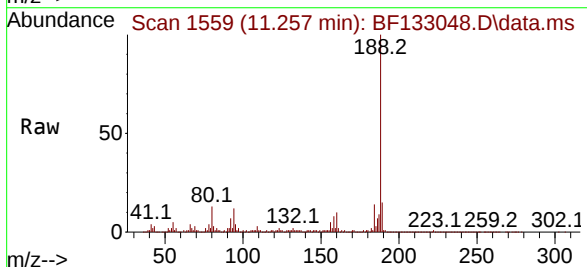
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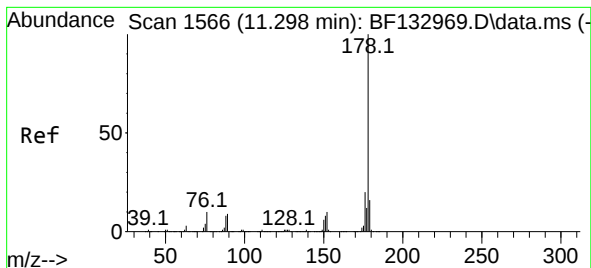
Tgt Ion:166 Resp: 48025
Ion Ratio Lower Upper
166 100
165 98.9 78.6 117.8
167 15.0 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF133048.D
Acq: 26 Apr 2023 02:04

Tgt Ion:188 Resp: 563288
Ion Ratio Lower Upper
188 100
94 11.9 9.7 14.5
80 12.5 10.4 15.6





#71

Phenanthrene

Concen: 23.248 ng

RT: 11.280 min Scan# 1563

Delta R.T. -0.006 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

Instrument :

BNA_F

ClientSampleId :

SPB-5WC-23-04-17

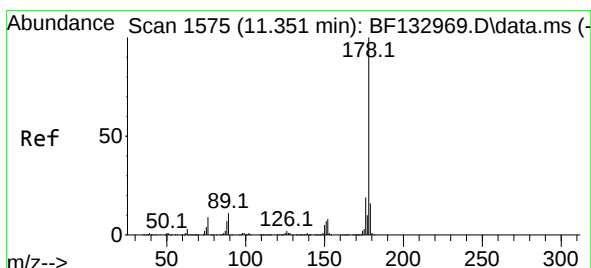
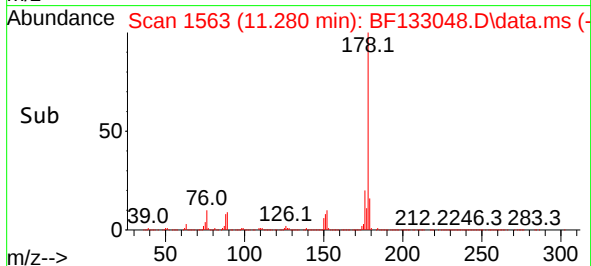
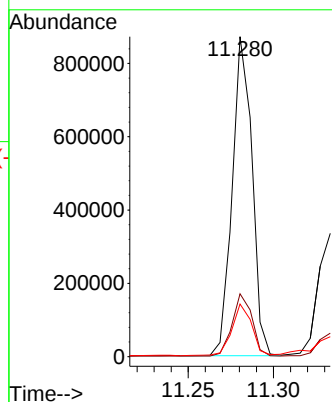
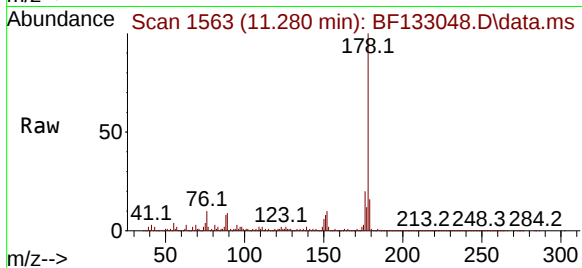
Tgt Ion:178 Resp: 703835

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

179 16.5 12.5 18.7



#72

Anthracene

Concen: 8.764 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

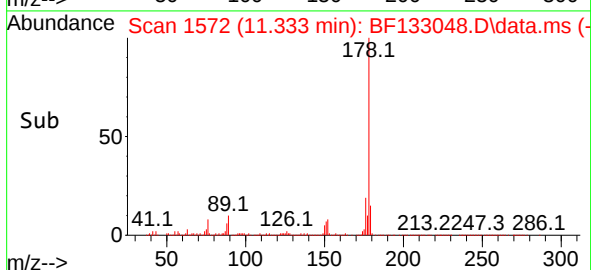
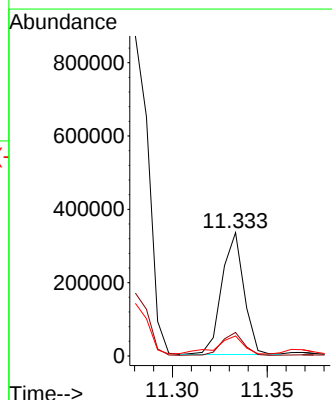
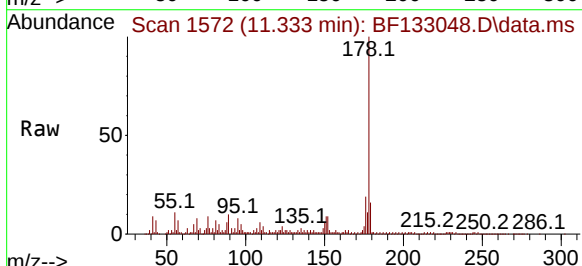
Tgt Ion:178 Resp: 271532

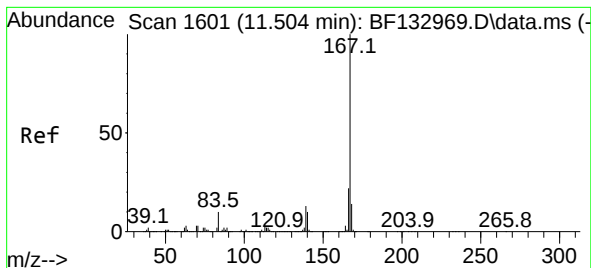
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 16.2 12.4 18.6





#73

Carbazole

Concen: 3.437 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

Instrument :

BNA_F

ClientSampleId :

SPB-5WC-23-04-17

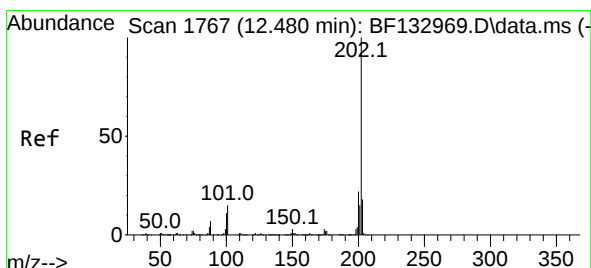
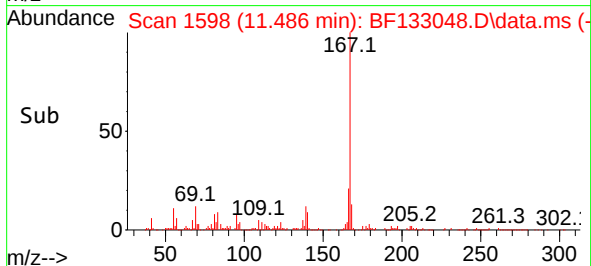
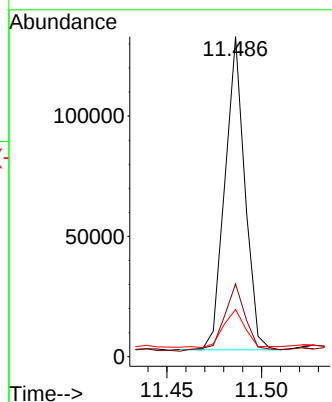
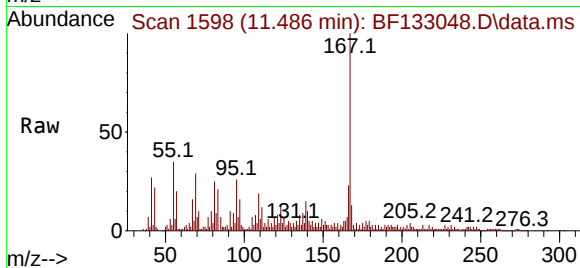
Tgt Ion:167 Resp: 94823

Ion Ratio Lower Upper

167 100

166 22.7 17.4 26.0

139 14.8 10.6 16.0



#75

Fluoranthene

Concen: 35.344 ng

RT: 12.474 min Scan# 1766

Delta R.T. 0.000 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

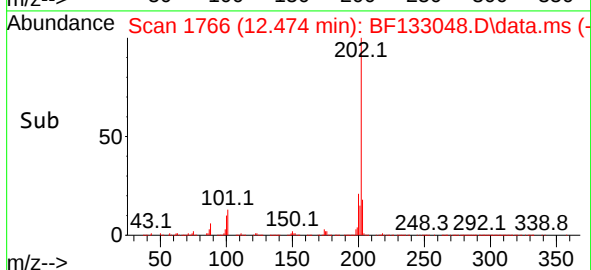
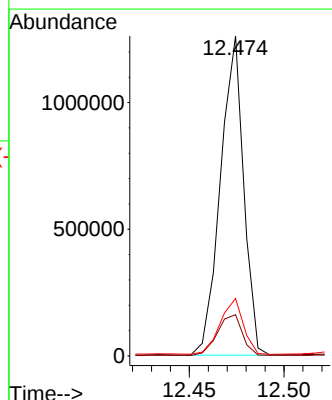
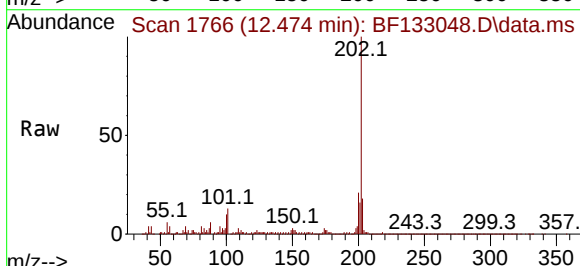
Tgt Ion:202 Resp: 1073905

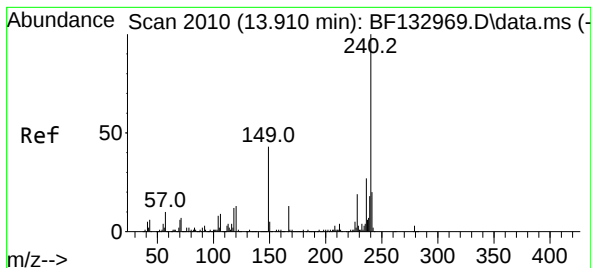
Ion Ratio Lower Upper

202 100

101 12.9 0.0 35.3

203 17.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.904 min Scan# 2010

Delta R.T. 0.006 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

Instrument :

BNA_F

ClientSampleId :

SPB-5WC-23-04-17

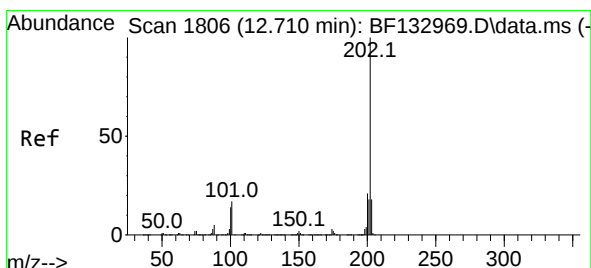
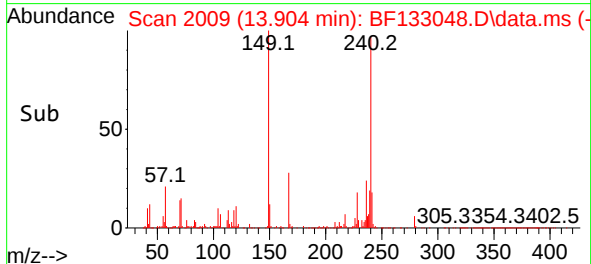
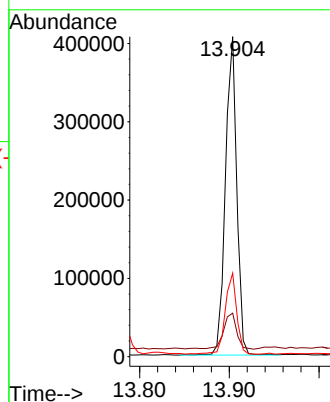
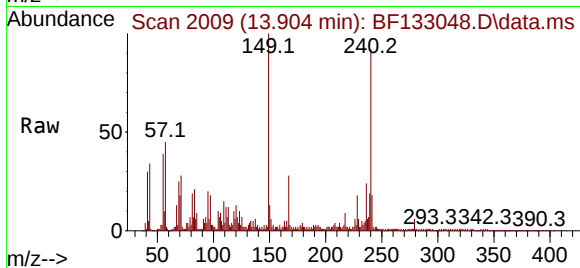
Tgt Ion:240 Resp: 356835

Ion Ratio Lower Upper

240 100

120 13.6 10.5 15.7

236 26.1 21.5 32.3



#78

Pyrene

Concen: 33.479 ng

RT: 12.704 min Scan# 1805

Delta R.T. 0.006 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

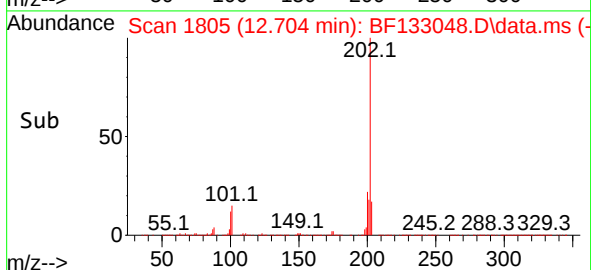
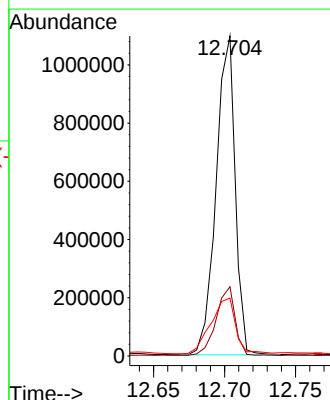
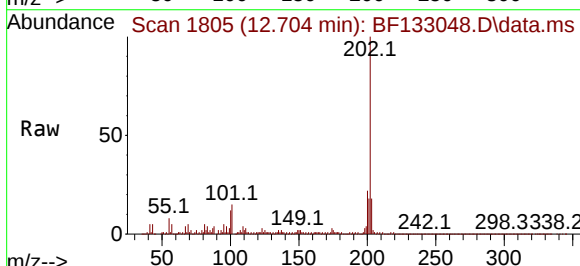
Tgt Ion:202 Resp: 1024085

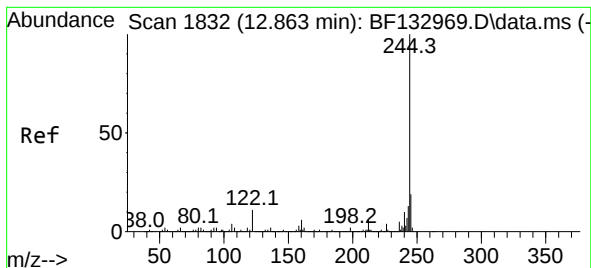
Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 18.1 14.1 21.1





#79

Terphenyl-d14

Concen: 24.105 ng

RT: 12.845 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

Instrument :

BNA_F

ClientSampleId :

SPB-5WC-23-04-17

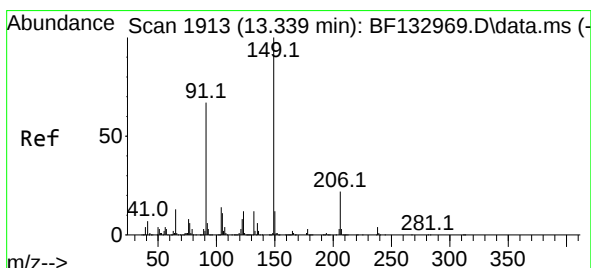
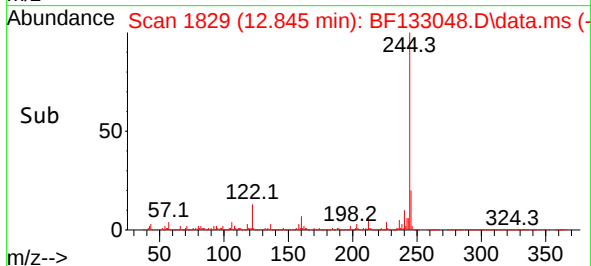
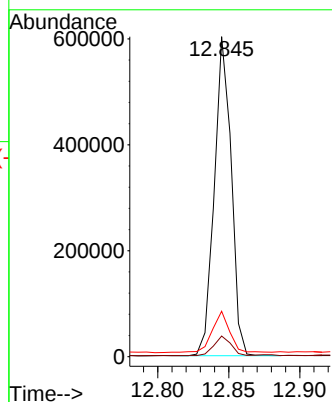
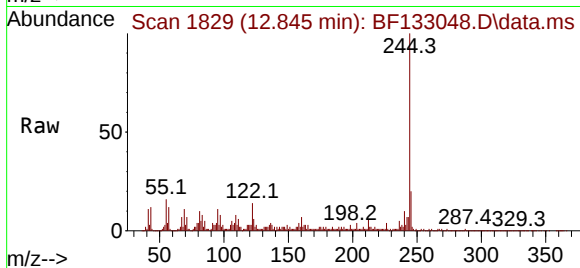
Tgt Ion:244 Resp: 498728

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 14.2 8.6 13.0#



#80

Butylbenzylphthalate

Concen: 3.814 ng

RT: 13.327 min Scan# 1911

Delta R.T. 0.000 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

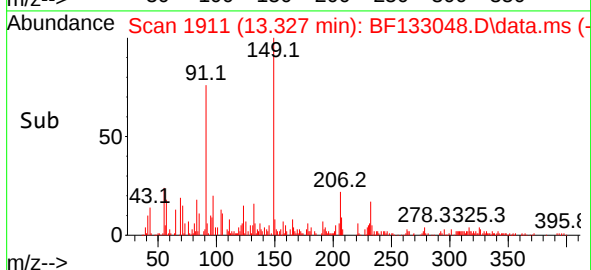
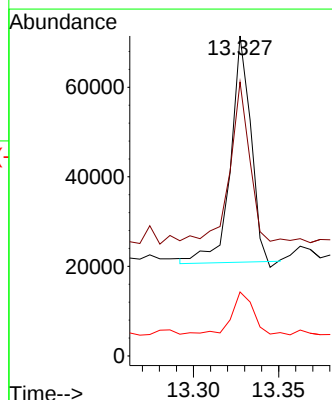
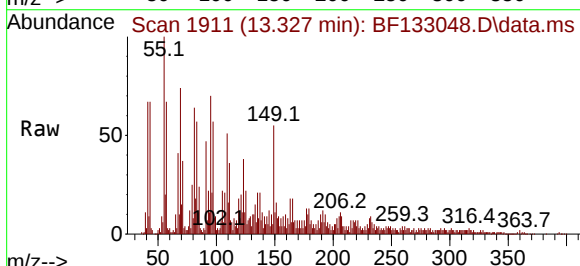
Tgt Ion:149 Resp: 41311

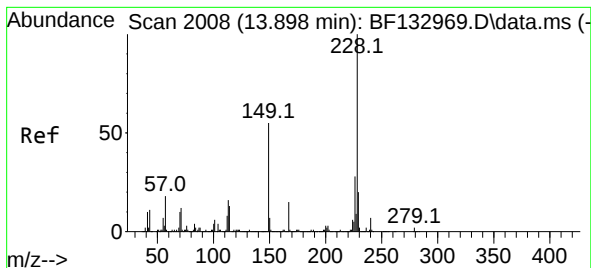
Ion Ratio Lower Upper

149 100

91 85.6 53.8 80.6#

206 20.0 17.5 26.3





#81

Benzo(a)anthracene

Concen: 19.434 ng

RT: 13.892 min Scan# 2008

Delta R.T. 0.006 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

Instrument :

BNA_F

ClientSampleId :

SPB-5WC-23-04-17

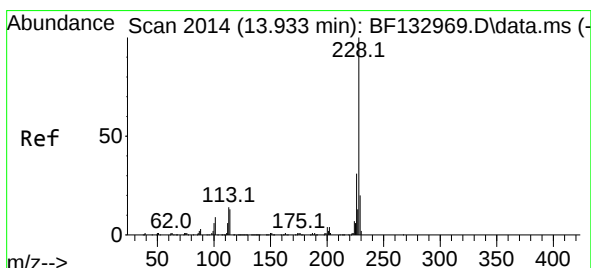
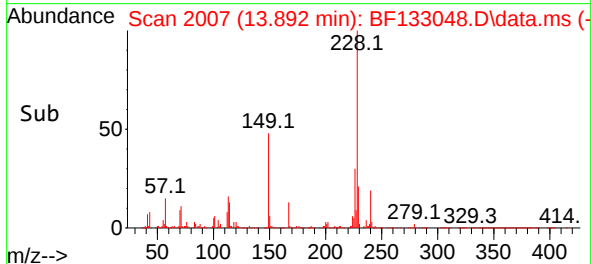
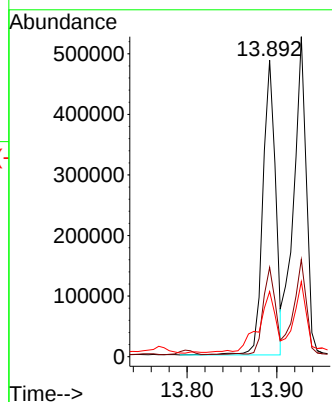
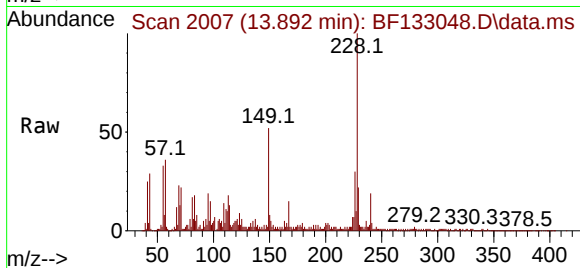
Tgt Ion:228 Resp: 476880

Ion Ratio Lower Upper

228 100

226 30.1 22.2 33.4

229 22.0 16.0 24.0



#83

Chrysene

Concen: 19.478 ng

RT: 13.927 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

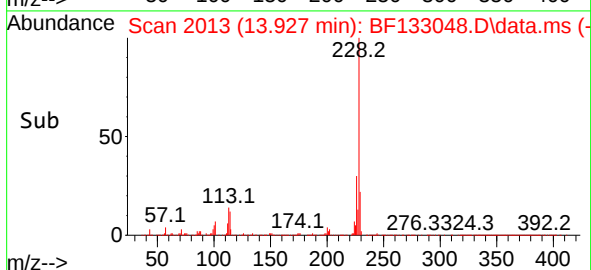
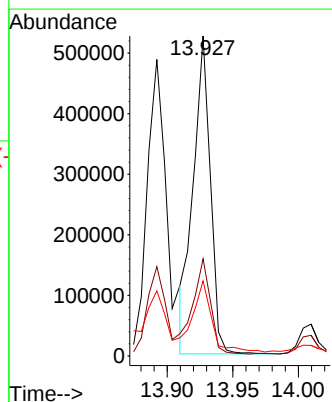
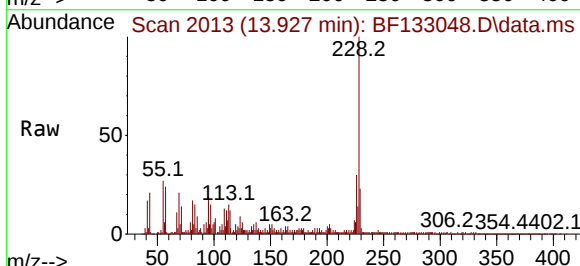
Tgt Ion:228 Resp: 477831

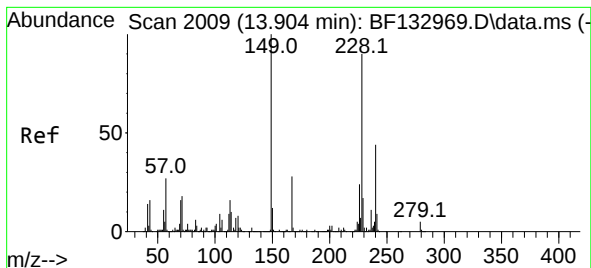
Ion Ratio Lower Upper

228 100

226 30.4 24.7 37.1

229 23.5 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 34.417 ng

RT: 13.898 min Scan# 2008

Delta R.T. 0.006 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

Instrument :

BNA_F

ClientSampleId :

SPB-5WC-23-04-17

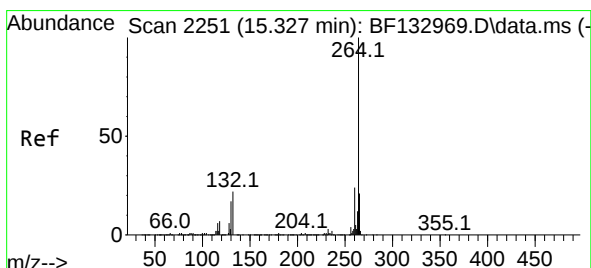
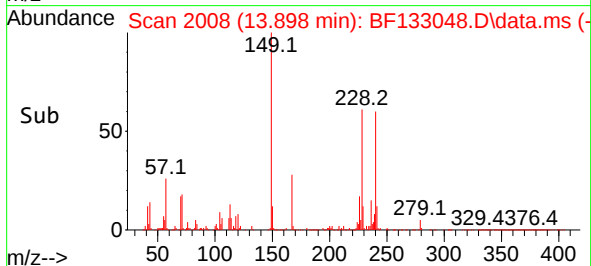
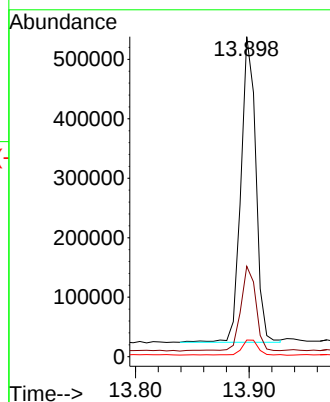
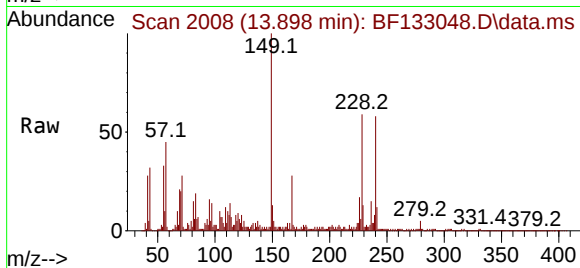
Tgt Ion:149 Resp: 467879

Ion Ratio Lower Upper

149 100

167 28.2 22.5 33.7

279 5.2 4.2 6.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.339 min Scan# 2253

Delta R.T. 0.024 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

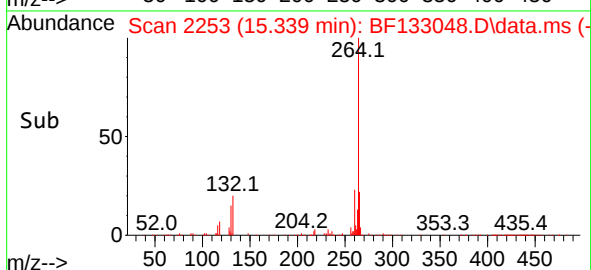
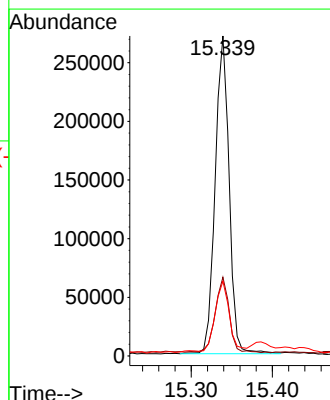
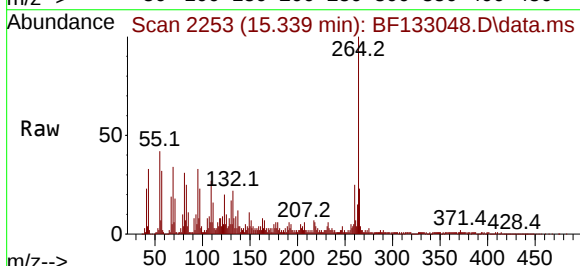
Tgt Ion:264 Resp: 323298

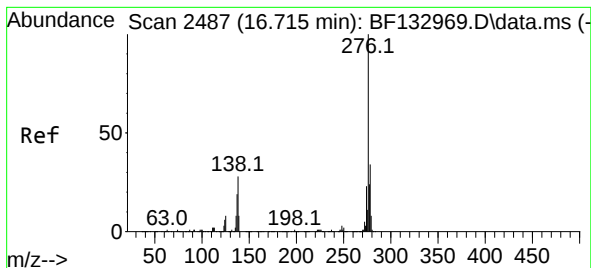
Ion Ratio Lower Upper

264 100

260 24.6 18.8 28.2

265 23.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.311 ng

RT: 16.721 min Scan# 2488

Delta R.T. 0.018 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

Instrument :

BNA_F

ClientSampleId :

SPB-5WC-23-04-17

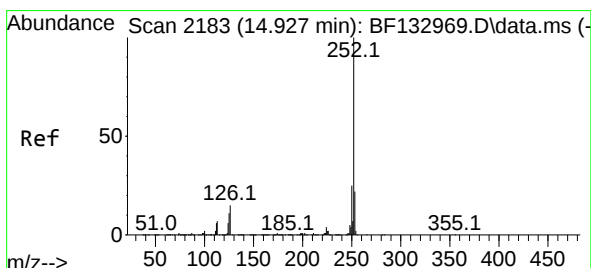
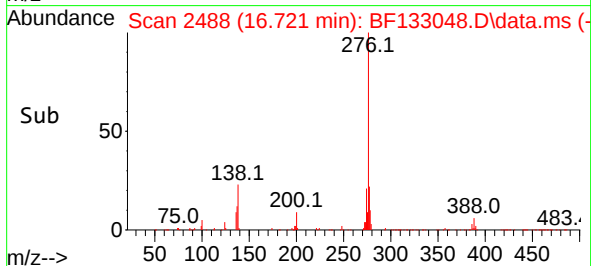
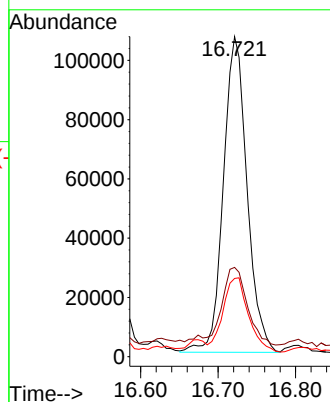
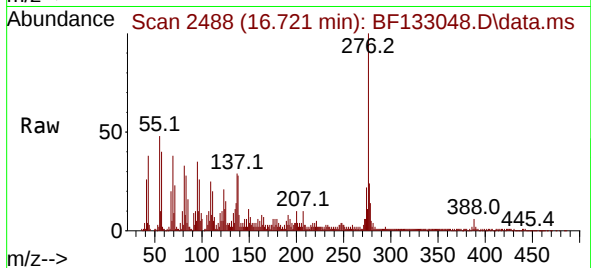
Tgt Ion:276 Resp: 226390

Ion Ratio Lower Upper

276 100

138 27.1 25.5 38.3

277 25.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 37.042 ng

RT: 14.927 min Scan# 2183

Delta R.T. 0.012 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

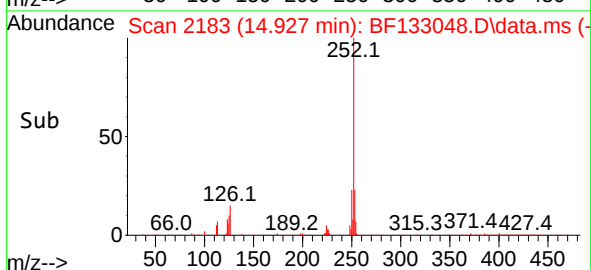
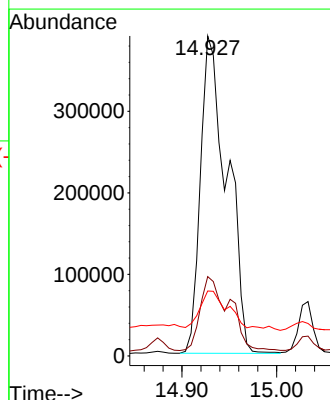
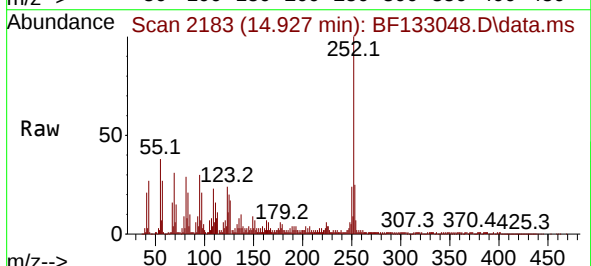
Tgt Ion:252 Resp: 761876

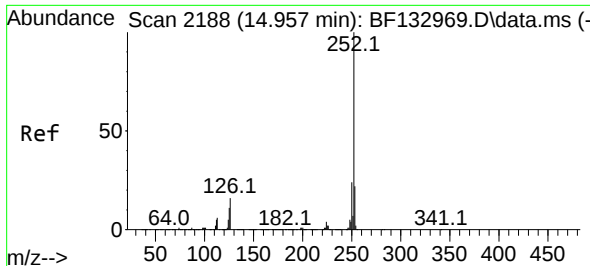
Ion Ratio Lower Upper

252 100

253 24.8 17.6 26.4

125 20.3 8.9 13.3#

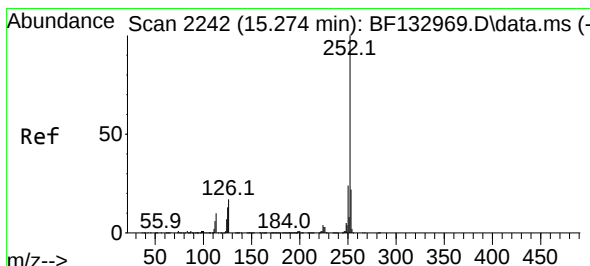
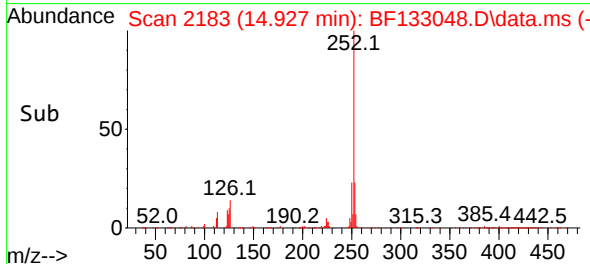
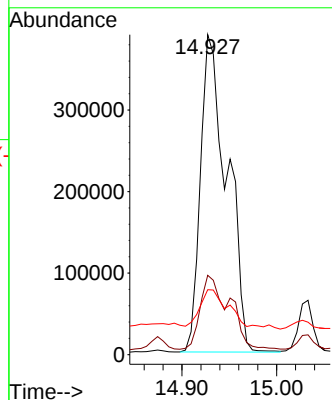
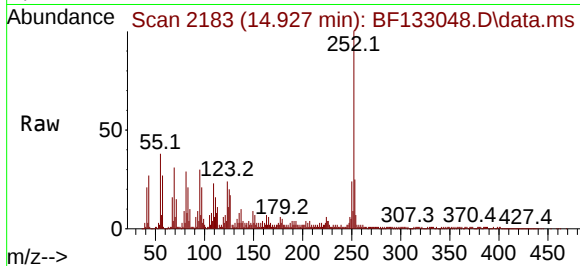




#89
Benzo(k)fluoranthene
Concen: 37.368 ng
RT: 14.927 min Scan# 2188
Delta R.T. -0.012 min
Lab File: BF133048.D
Acq: 26 Apr 2023 02:04

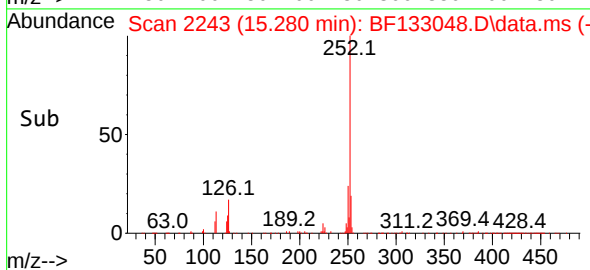
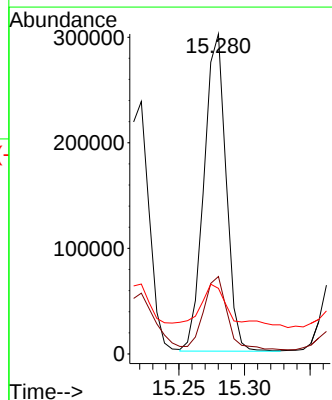
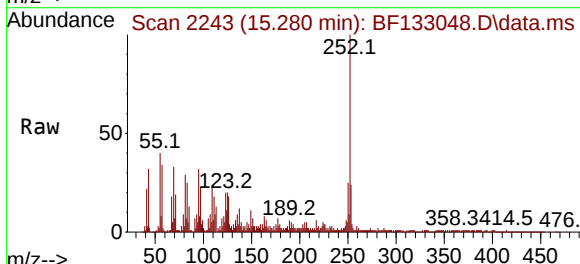
Instrument :
BNA_F
ClientSampleId :
SPB-5WC-23-04-17

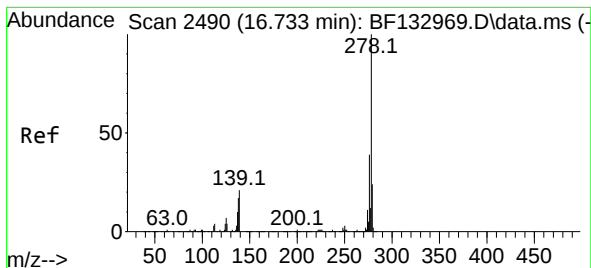
Tgt Ion:252 Resp: 761876
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 20.3 9.0 13.4#



#90
Benzo(a)pyrene
Concen: 18.840 ng
RT: 15.280 min Scan# 2243
Delta R.T. 0.018 min
Lab File: BF133048.D
Acq: 26 Apr 2023 02:04

Tgt Ion:252 Resp: 352708
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 20.5 10.5 15.7#





#91

Dibenzo(a,h)anthracene

Concen: 4.075 ng

RT: 16.751 min Scan# 2493

Delta R.T. 0.030 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

Instrument :

BNA_F

ClientSampleId :

SPB-5WC-23-04-17

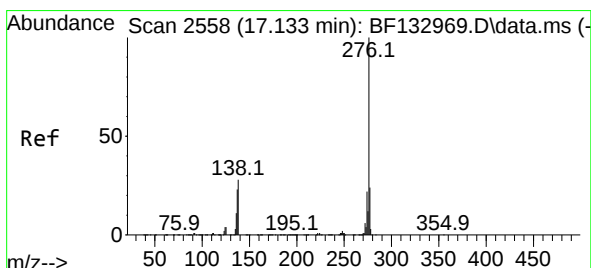
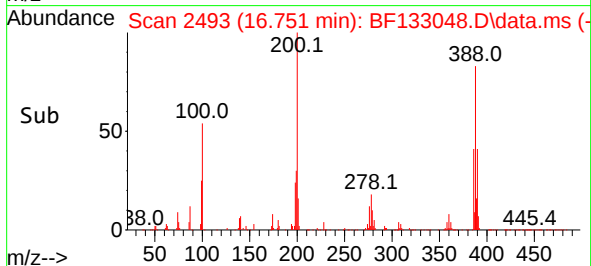
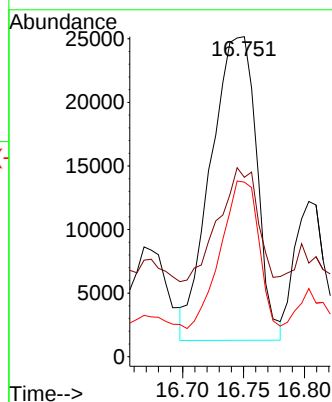
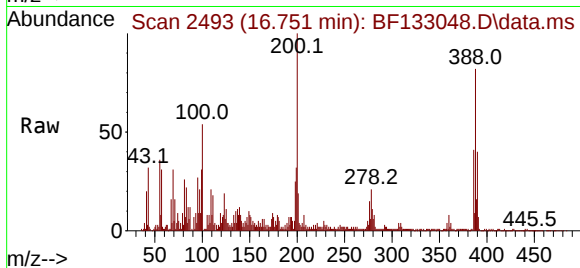
Tgt Ion:278 Resp: 62499

Ion Ratio Lower Upper

278 100

139 56.1 16.6 24.8#

279 54.6 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 14.026 ng

RT: 17.139 min Scan# 2559

Delta R.T. 0.018 min

Lab File: BF133048.D

Acq: 26 Apr 2023 02:04

Tgt Ion:276 Resp: 212386

Ion Ratio Lower Upper

276 100

277 24.6 19.4 29.0

138 30.3 22.7 34.1

