

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
 Data File : BF128920.D
 Acq On : 22 Jun 2022 02:15
 Operator : CG\JU
 Sample : N3422-07 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14A-1A-13

Quant Time: Jun 22 04:01:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 01:02:29 2022
 Response via : Initial Calibration

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

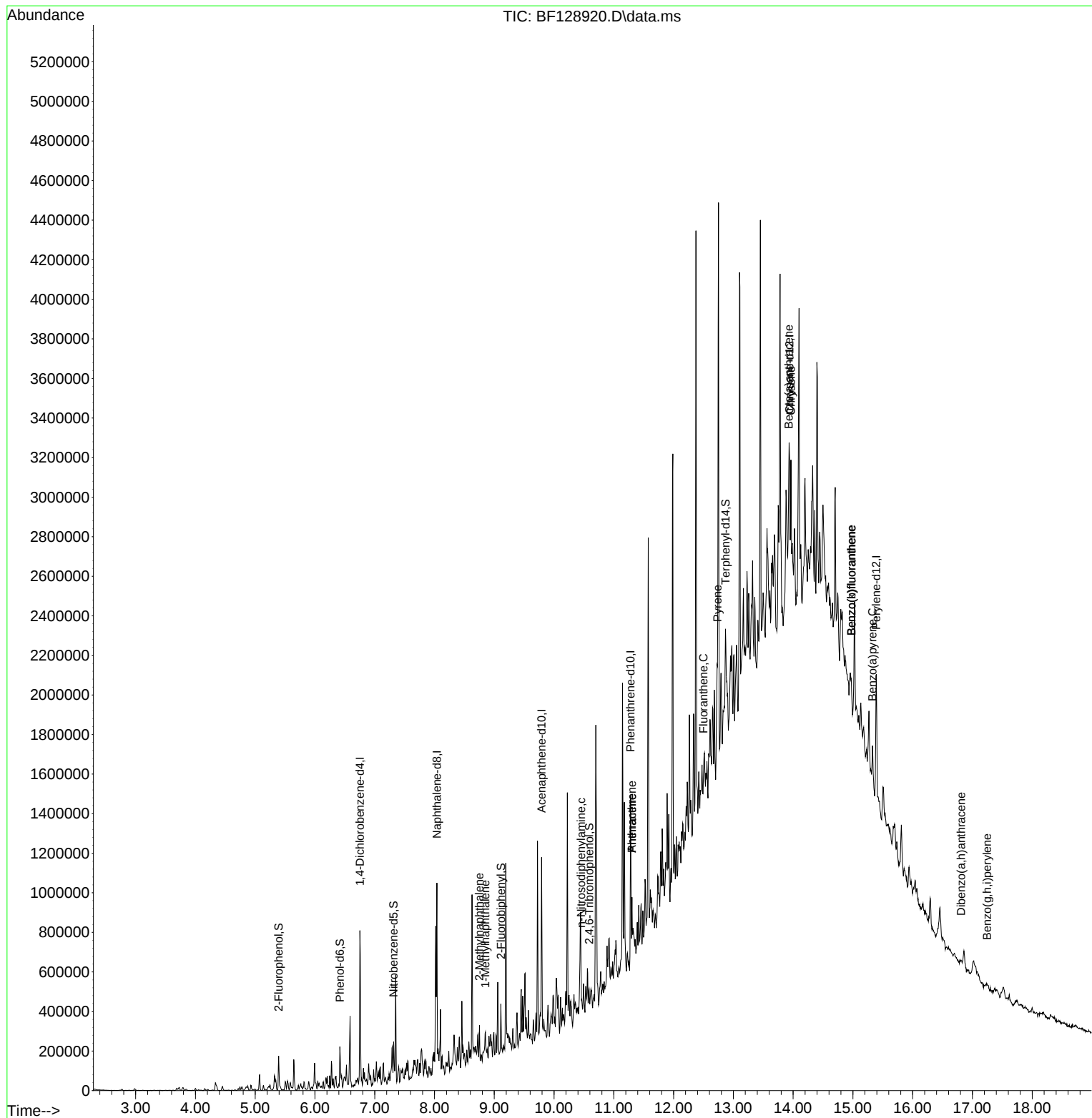
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	97075	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	337958	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	155750	20.000	ng	0.00
64) Phenanthrene-d10	11.281	188	254762	20.000	ng	0.00
76) Chrysene-d12	13.939	240	180681	20.000	ng	0.01
86) Perylene-d12	15.392	264	131194	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	44628	7.323	ng	0.00
7) Phenol-d6	6.416	99	54967	7.389	ng	0.00
23) Nitrobenzene-d5	7.316	82	37181	5.122	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	10519	5.716	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	66132	5.948	ng	0.00
79) Terphenyl-d14	12.869	244	59368	5.710	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.751	142	41981	3.805	ng	98
38) 1-Methylnaphthalene	8.851	142	33447	3.138	ng	98
66) n-Nitrosodiphenylamine	10.451	169	17086	2.182	ng	# 56
71) Phenanthrene	11.304	178	95826	7.499	ng	97
72) Anthracene	11.304	178	95826	7.576	ng	98
75) Fluoranthene	12.498	202	32377	2.424	ng	78
78) Pyrene	12.733	202	208039	15.476	ng	97
81) Benzo(a)anthracene	13.927	228	155850	13.838	ng	# 81
83) Chrysene	13.963	228	242458	22.581	ng	# 85
88) Benzo(b)fluoranthene	14.974	252	54125	6.456	ng	# 58
89) Benzo(k)fluoranthene	14.974	252	54125	6.863	ng	# 58
90) Benzo(a)pyrene	15.327	252	56087	8.512	ng	# 65
91) Dibenzo(a,h)anthracene	16.810	278	15300	2.333	ng	# 30
92) Benzo(g,h,i)perylene	17.245	276	21902	3.369	ng	# 92

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

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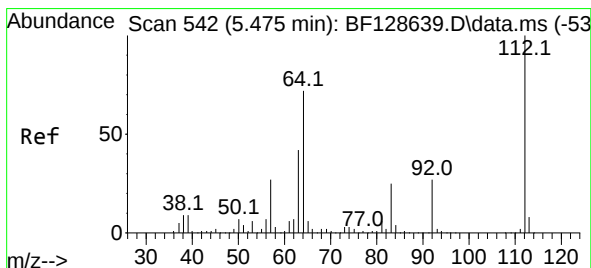
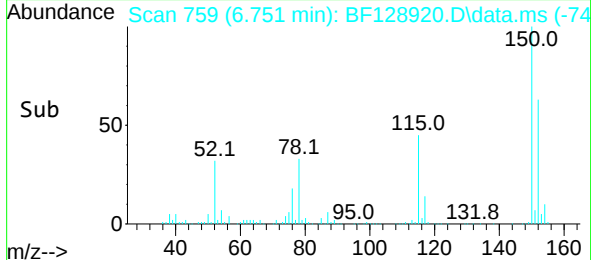
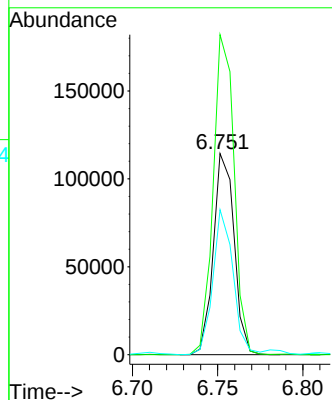
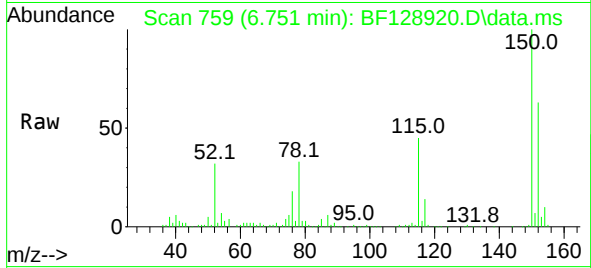




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

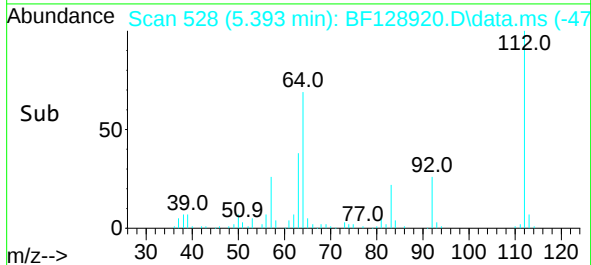
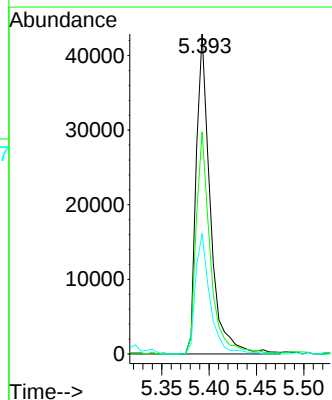
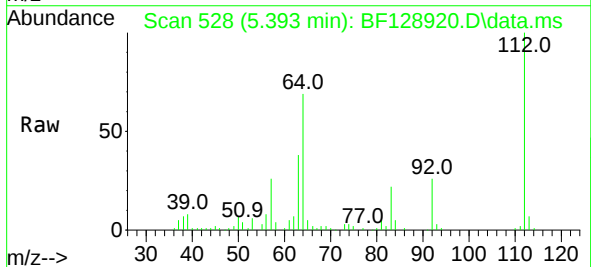
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-13

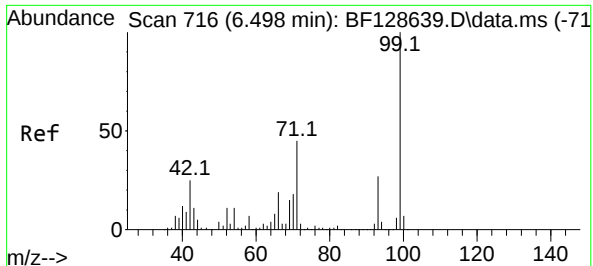
Tgt Ion:152 Resp: 97075
Ion Ratio Lower Upper
152 100
150 159.1 123.7 185.5
115 72.0 49.9 74.9



#5
2-Fluorophenol
Concen: 7.323 ng
RT: 5.393 min Scan# 528
Delta R.T. 0.006 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

Tgt Ion:112 Resp: 44628
Ion Ratio Lower Upper
112 100
64 69.4 53.3 79.9
63 37.5 28.0 42.0

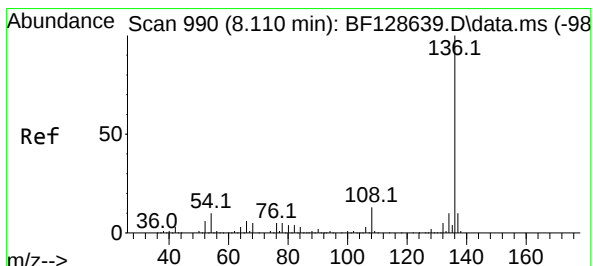
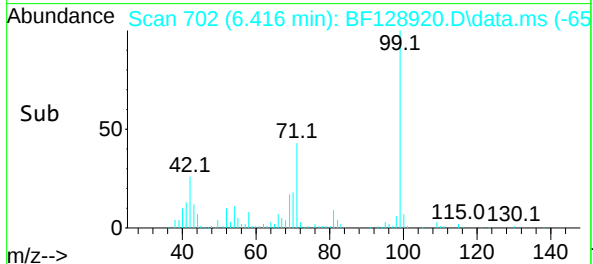
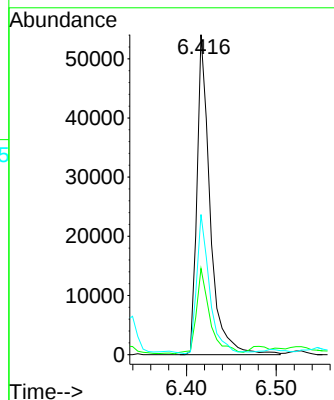
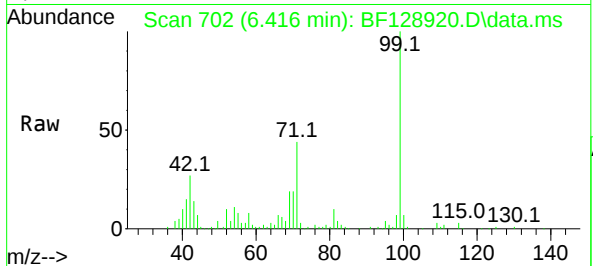




#7
Phenol-d6
Concen: 7.389 ng
RT: 6.416 min Scan# 716
Delta R.T. 0.000 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

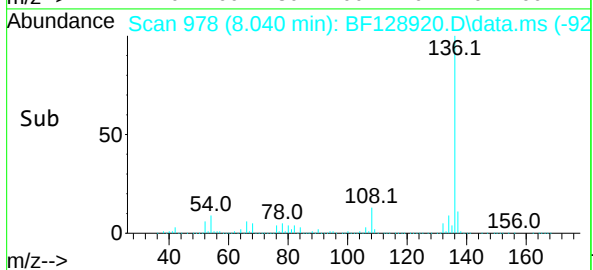
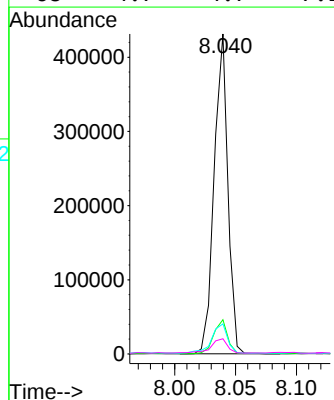
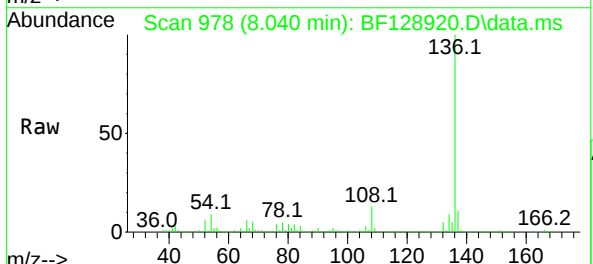
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-13

Tgt Ion: 99 Resp: 54967
Ion Ratio Lower Upper
99 100
42 26.9 17.3 25.9#
71 43.8 28.9 43.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.040 min Scan# 978
Delta R.T. 0.000 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

Tgt Ion: 136 Resp: 337958
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.4 7.5 11.3
68 4.7 4.7 7.1





#23

Nitrobenzene-d5

Concen: 5.122 ng

RT: 7.316 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128920.D

Acq: 22 Jun 2022 02:15

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-13

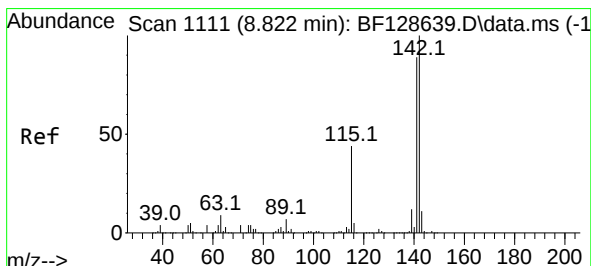
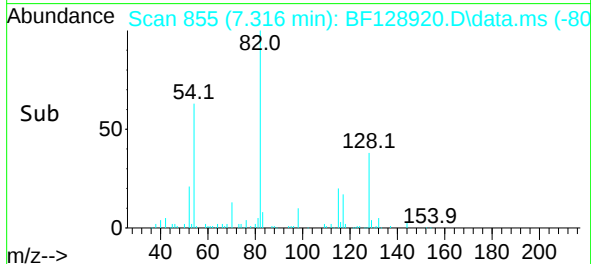
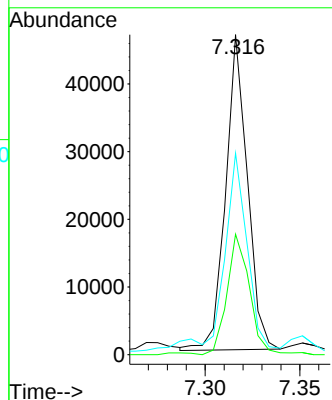
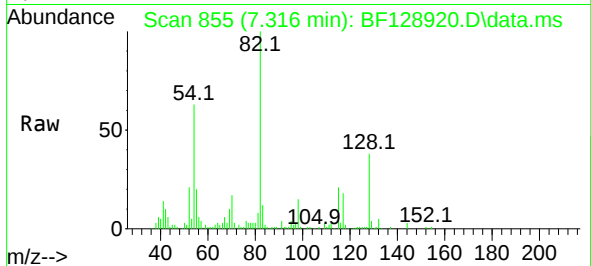
Tgt Ion: 82 Resp: 37181

Ion Ratio Lower Upper

82 100

128 37.7 34.0 51.0

54 63.0 46.9 70.3



#37

2-Methylnaphthalene

Concen: 3.805 ng

RT: 8.751 min Scan# 1099

Delta R.T. 0.000 min

Lab File: BF128920.D

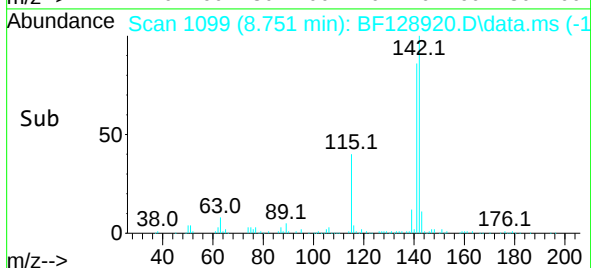
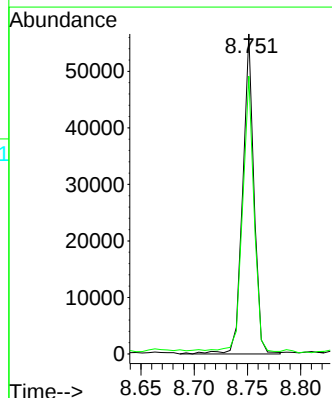
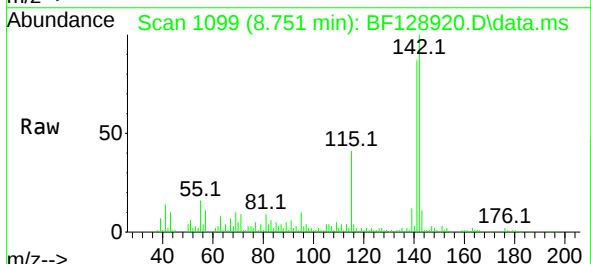
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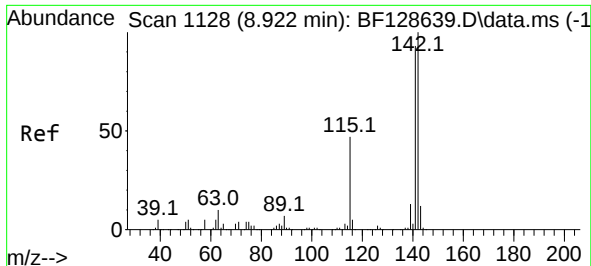
Tgt Ion: 142 Resp: 41981

Ion Ratio Lower Upper

142 100

141 86.8 71.0 106.4

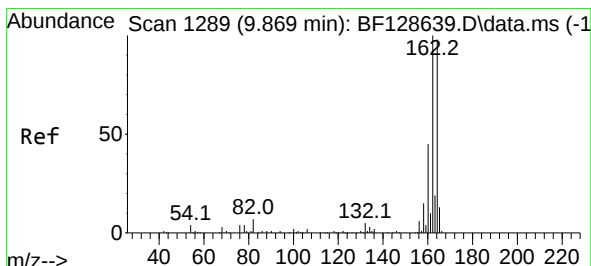
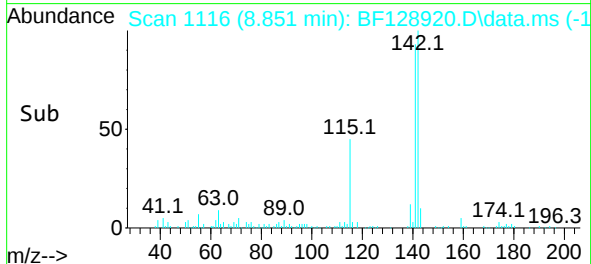
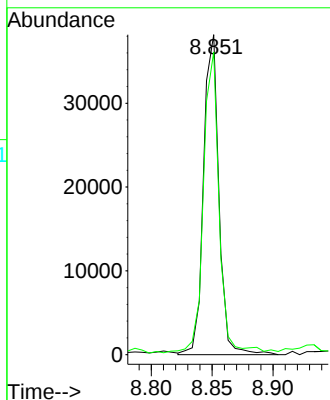
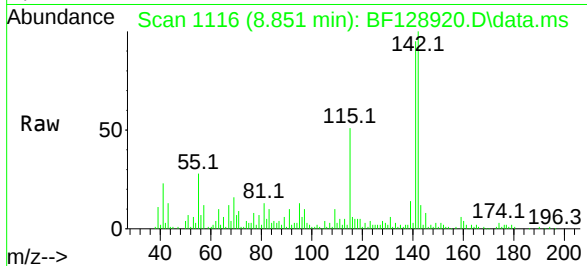




#38
1-Methylnaphthalene
Concen: 3.138 ng
RT: 8.851 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

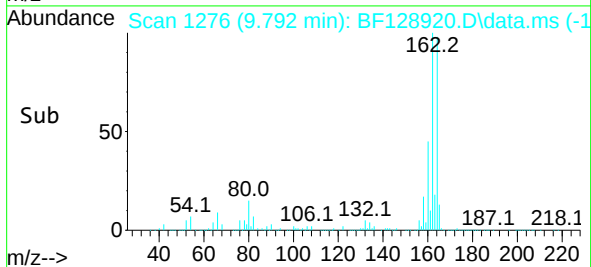
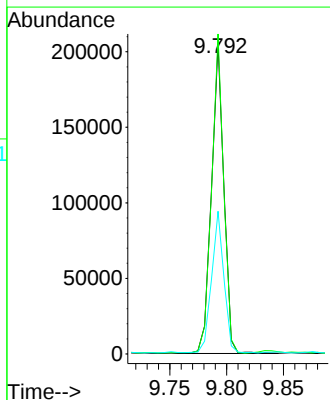
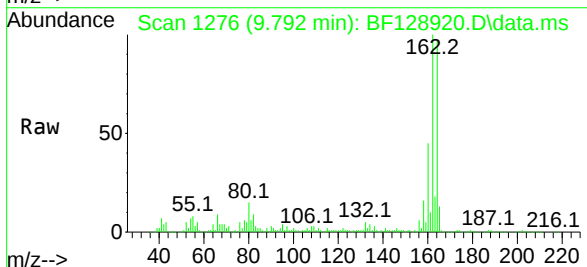
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-13

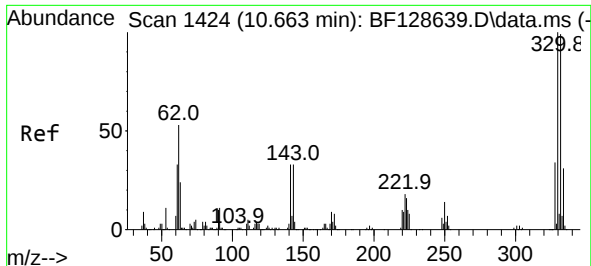
Tgt Ion:142 Resp: 33447
Ion Ratio Lower Upper
142 100
141 94.6 74.2 111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

Tgt Ion:164 Resp: 155750
Ion Ratio Lower Upper
164 100
162 103.1 79.5 119.3
160 46.0 34.2 51.4

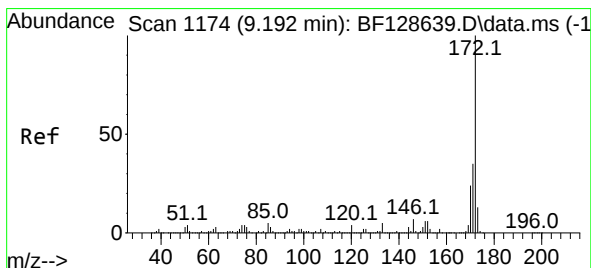
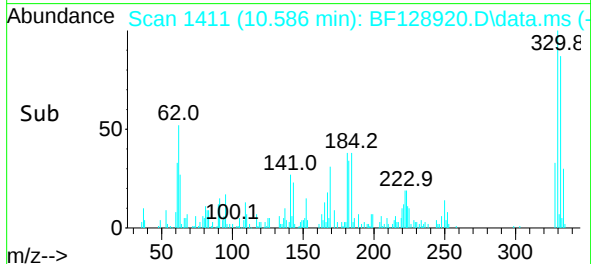
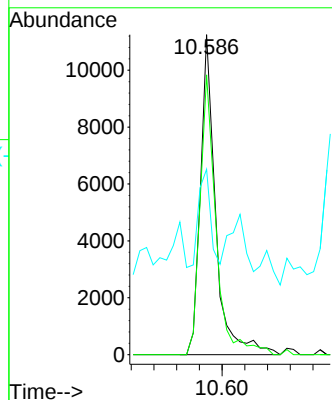
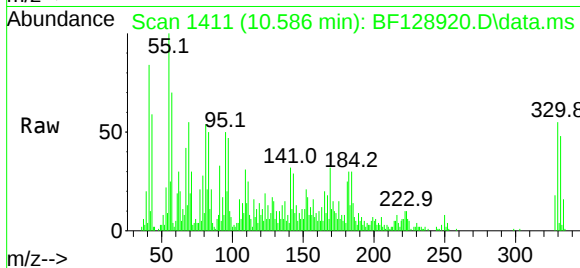




#42
2,4,6-Tribromophenol
Concen: 5.716 ng
RT: 10.586 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

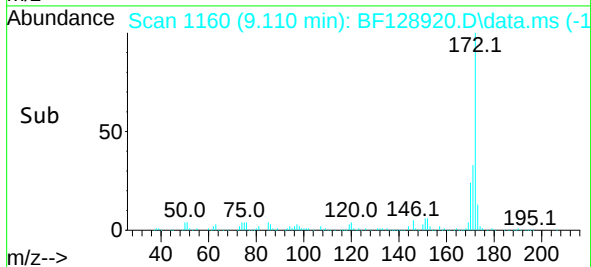
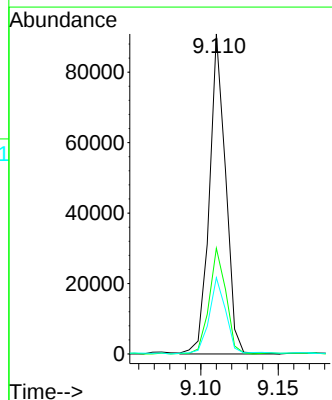
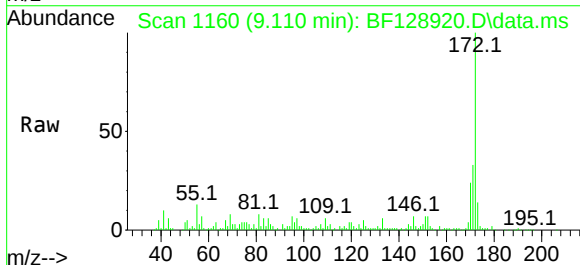
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ClientSampleId :
WC-14A-1A-13

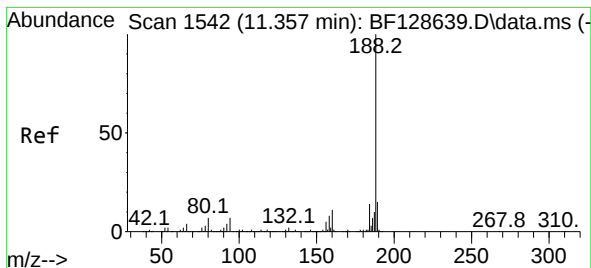
Tgt Ion: 330 Resp: 10519
Ion Ratio Lower Upper
330 100
332 91.4 76.8 115.2
141 29.7 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 5.948 ng
RT: 9.110 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

Tgt Ion: 172 Resp: 66132
Ion Ratio Lower Upper
172 100
171 33.0 28.8 43.2
170 23.9 19.8 29.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.281 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF128920.D

Acq: 22 Jun 2022 02:15

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-13

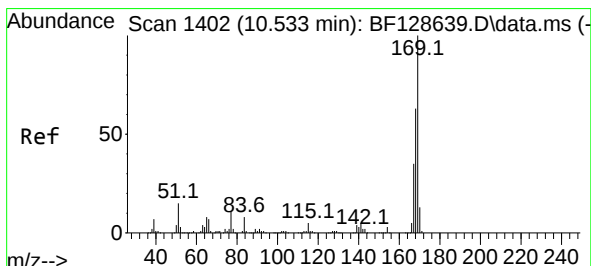
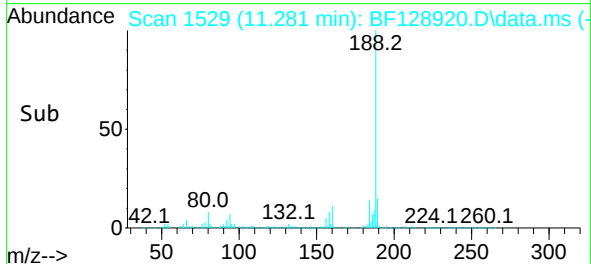
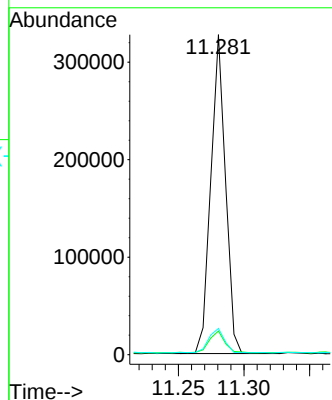
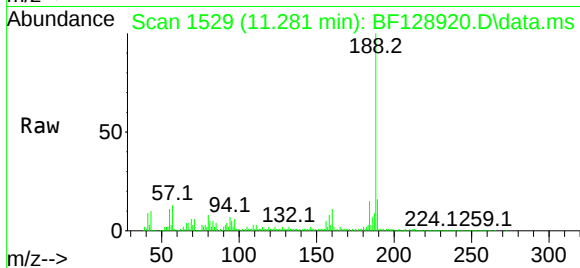
Tgt Ion:188 Resp: 254762

Ion Ratio Lower Upper

188 100

94 7.4 7.0 10.6

80 8.2 7.6 11.4



#66

n-Nitrosodiphenylamine

Concen: 2.182 ng

RT: 10.451 min Scan# 1388

Delta R.T. -0.006 min

Lab File: BF128920.D

Acq: 22 Jun 2022 02:15

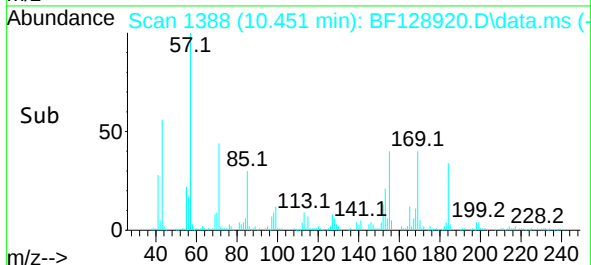
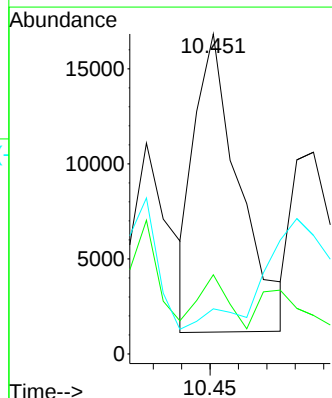
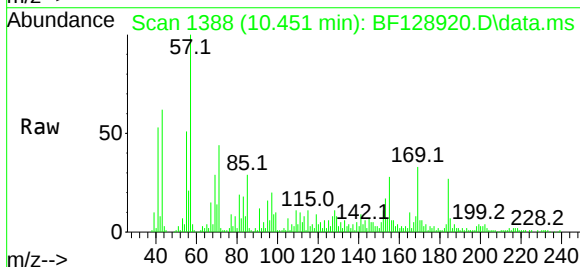
Tgt Ion:169 Resp: 17086

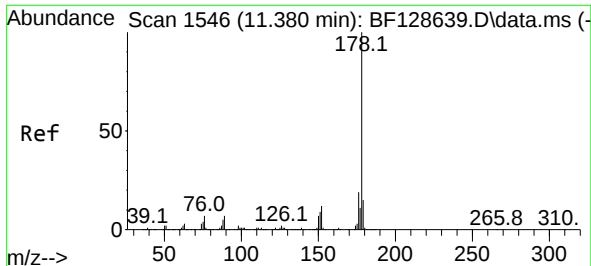
Ion Ratio Lower Upper

169 100

168 24.7 50.1 75.1#

167 14.1 27.9 41.9#

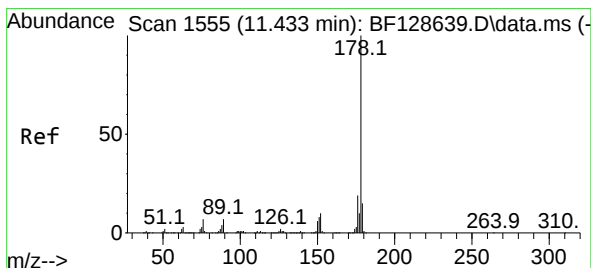
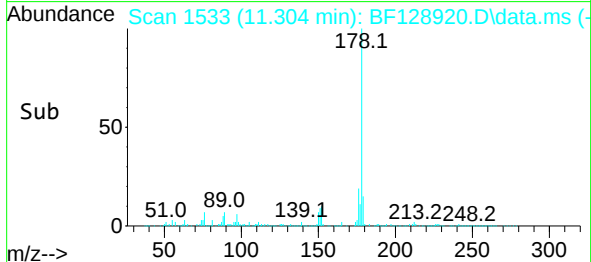
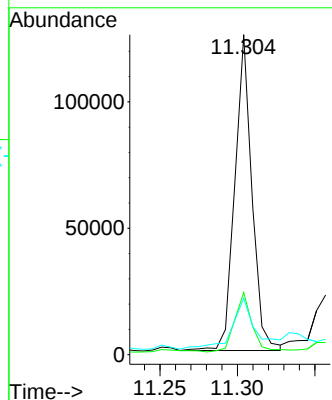
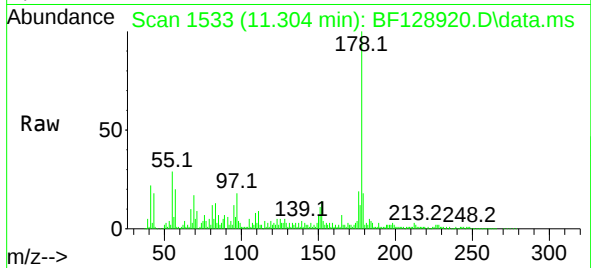




#71
Phenanthrene
Concen: 7.499 ng
RT: 11.304 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

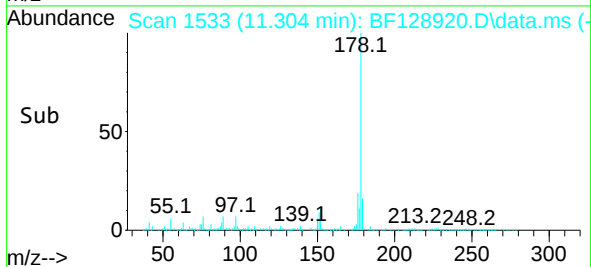
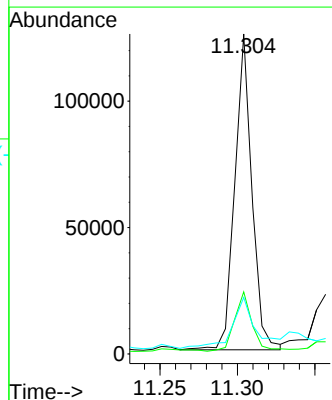
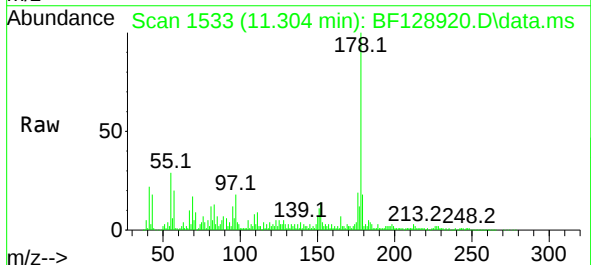
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-13

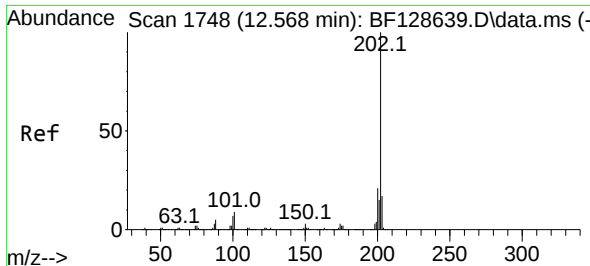
Tgt Ion:178 Resp: 95826
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 17.7 12.6 19.0



#72
Anthracene
Concen: 7.576 ng
RT: 11.304 min Scan# 1533
Delta R.T. -0.053 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

Tgt Ion:178 Resp: 95826
Ion Ratio Lower Upper
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179 17.7 12.6 19.0

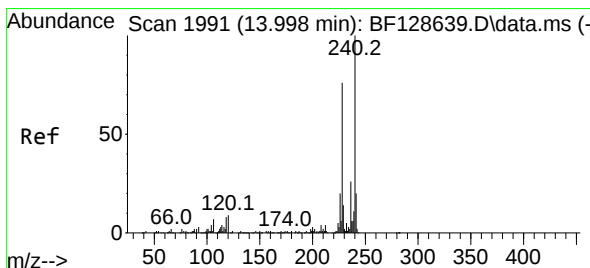
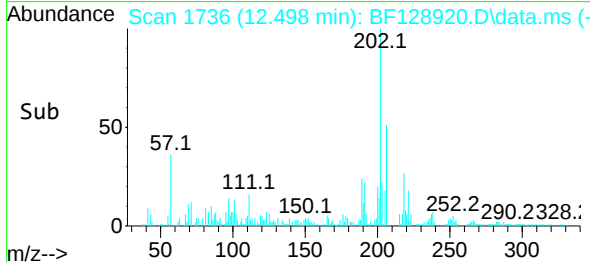
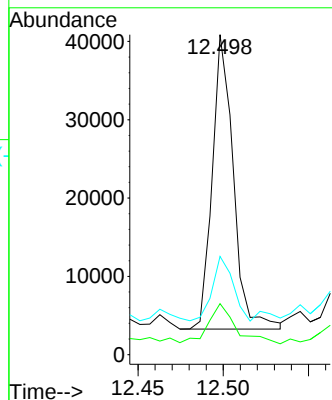
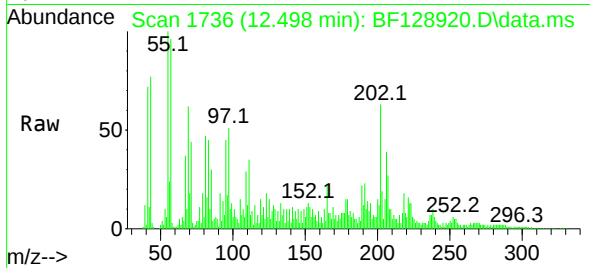




#75
Fluoranthene
Concen: 2.424 ng
RT: 12.498 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

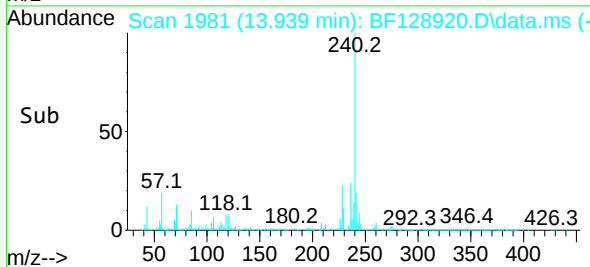
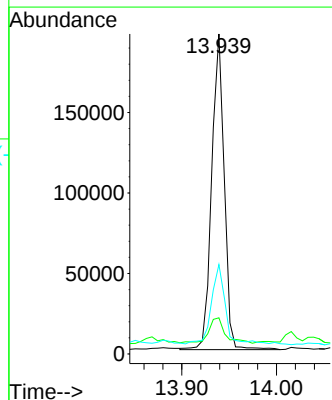
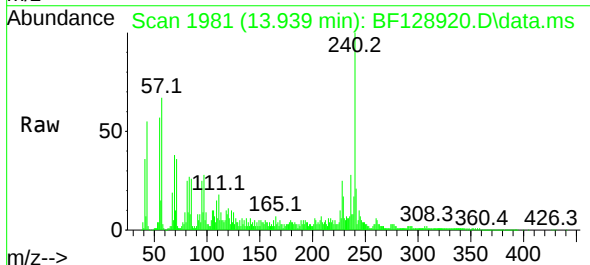
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-13

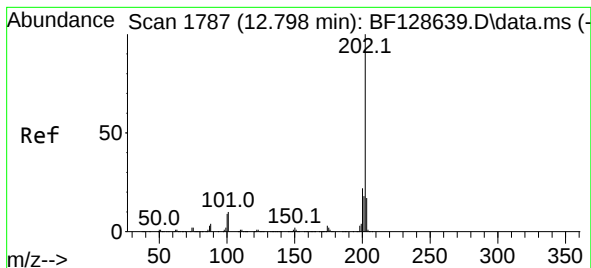
Tgt Ion:202 Resp: 32377
Ion Ratio Lower Upper
202 100
101 16.0 0.0 31.4
203 30.7 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1981
Delta R.T. 0.012 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

Tgt Ion:240 Resp: 180681
Ion Ratio Lower Upper
240 100
120 11.3 8.9 13.3
236 27.9 20.8 31.2





#78

Pyrene

Concen: 15.476 ng

RT: 12.733 min Scan# 1776

Delta R.T. 0.006 min

Lab File: BF128920.D

Acq: 22 Jun 2022 02:15

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-13

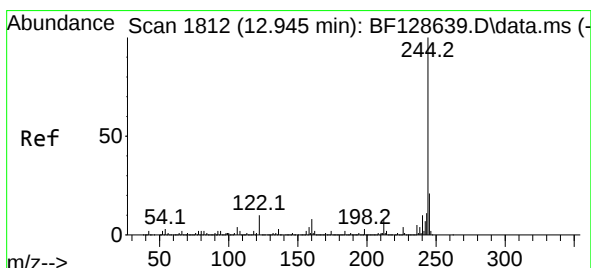
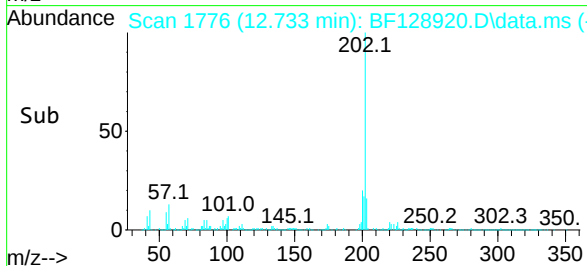
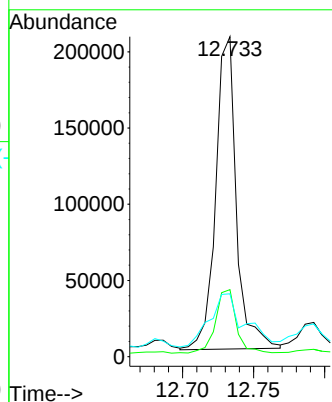
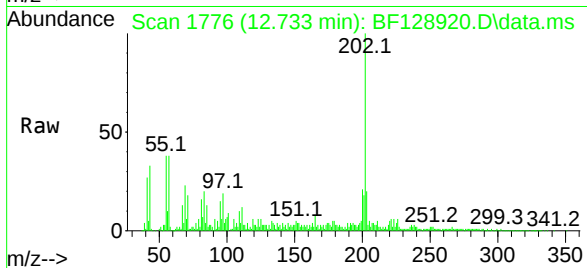
Tgt Ion:202 Resp: 208039

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

203 19.7 14.6 21.8



#79

Terphenyl-d14

Concen: 5.710 ng

RT: 12.869 min Scan# 1799

Delta R.T. 0.000 min

Lab File: BF128920.D

Acq: 22 Jun 2022 02:15

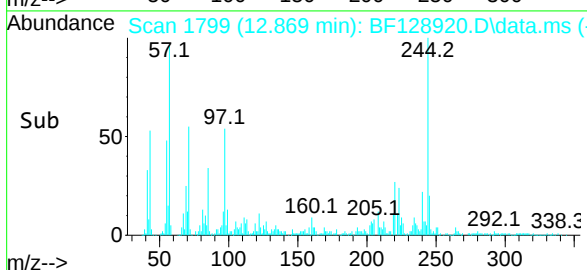
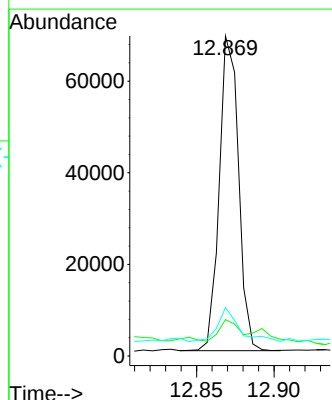
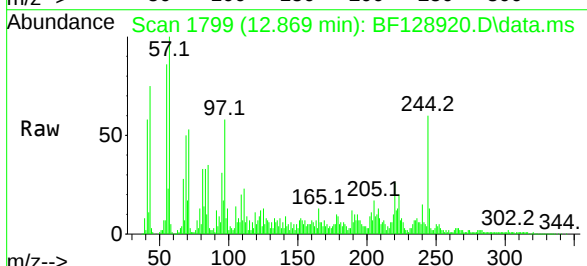
Tgt Ion:244 Resp: 59368

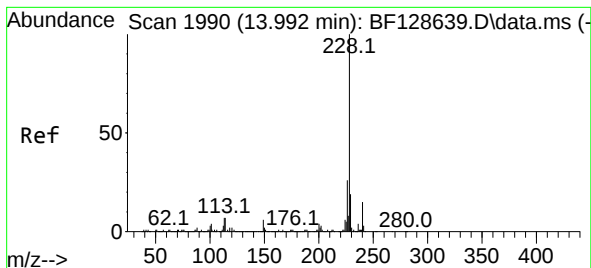
Ion Ratio Lower Upper

244 100

212 11.4 6.1 9.1#

122 15.1 8.8 13.2#





#81

Benzo(a)anthracene

Concen: 13.838 ng

RT: 13.927 min Scan# 1979

Delta R.T. 0.012 min

Lab File: BF128920.D

Acq: 22 Jun 2022 02:15

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-13

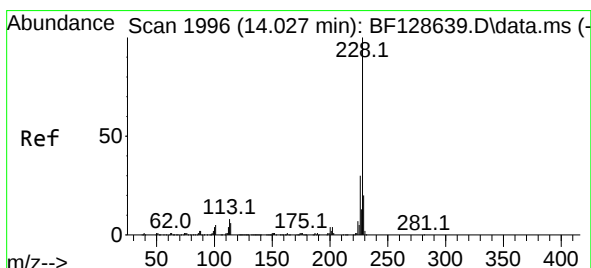
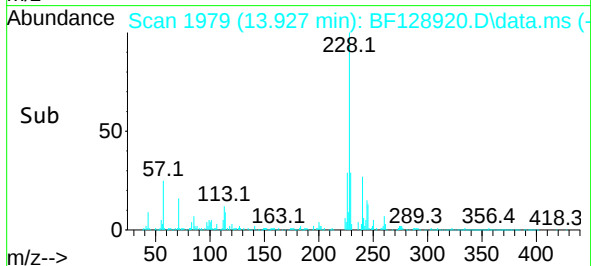
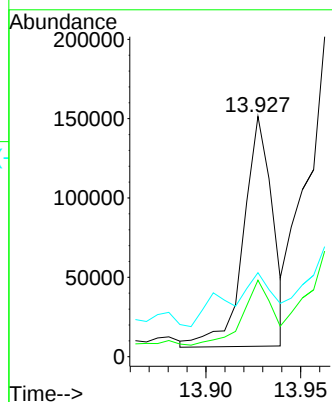
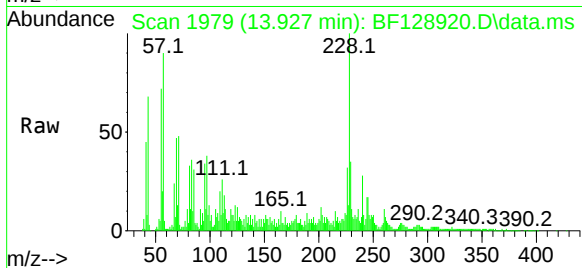
Tgt Ion:228 Resp: 155850

Ion Ratio Lower Upper

228 100

226 31.8 22.1 33.1

229 35.0 15.8 23.8#



#83

Chrysene

Concen: 22.581 ng

RT: 13.963 min Scan# 1985

Delta R.T. 0.012 min

Lab File: BF128920.D

Acq: 22 Jun 2022 02:15

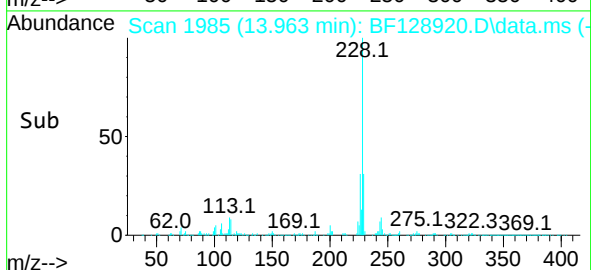
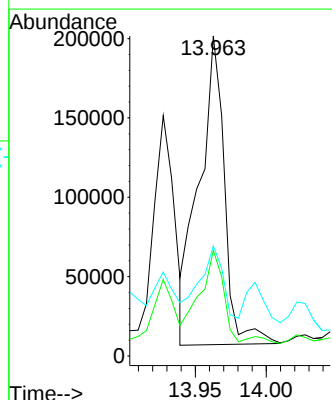
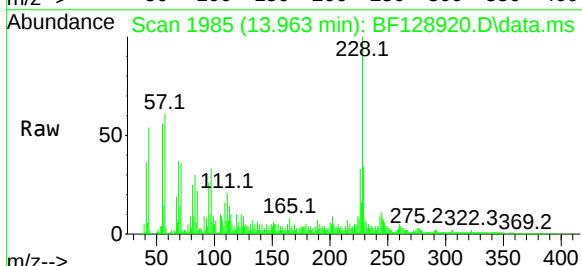
Tgt Ion:228 Resp: 242458

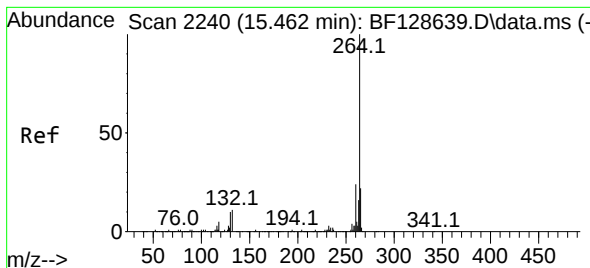
Ion Ratio Lower Upper

228 100

226 33.0 24.3 36.5

229 34.4 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF128920.D

Acq: 22 Jun 2022 02:15

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-13

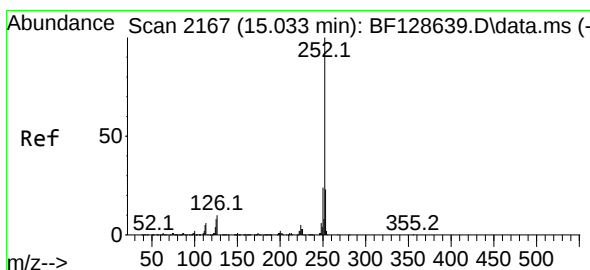
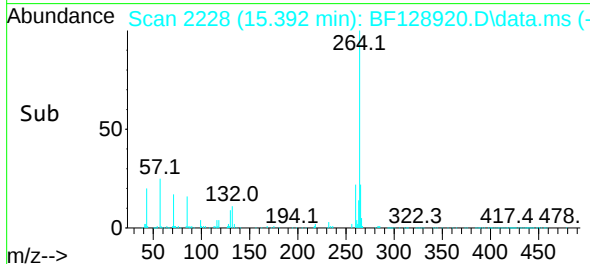
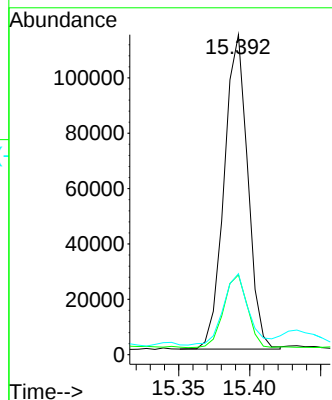
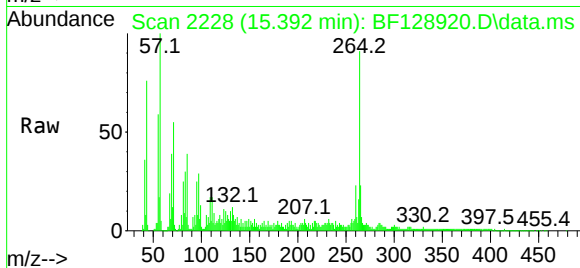
Tgt Ion:264 Resp: 131194

Ion Ratio Lower Upper

264 100

260 25.0 18.4 27.6

265 25.3 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 6.456 ng

RT: 14.974 min Scan# 2157

Delta R.T. 0.024 min

Lab File: BF128920.D

Acq: 22 Jun 2022 02:15

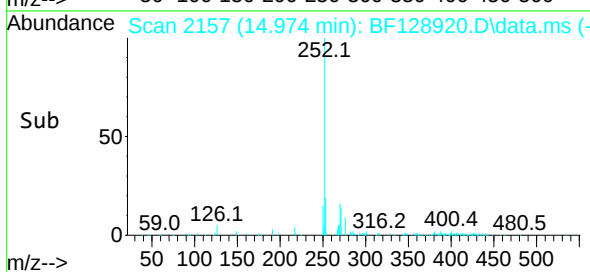
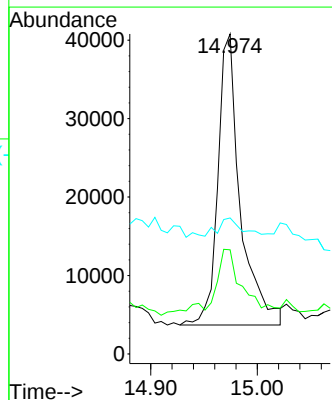
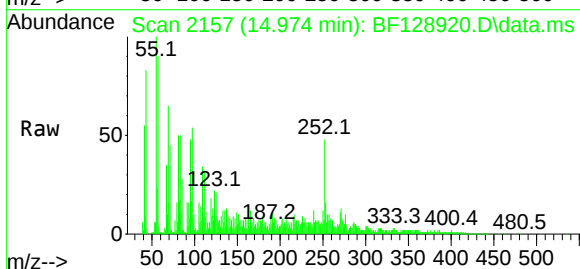
Tgt Ion:252 Resp: 54125

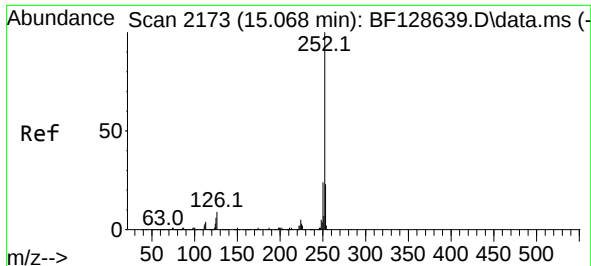
Ion Ratio Lower Upper

252 100

253 32.6 17.7 26.5#

125 42.5 8.0 12.0#

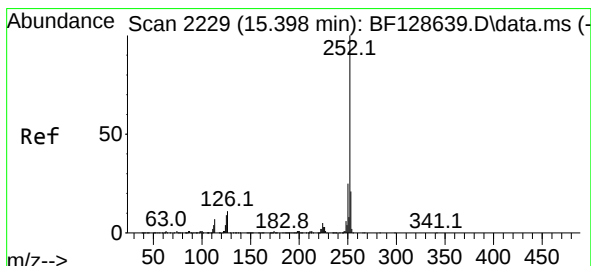
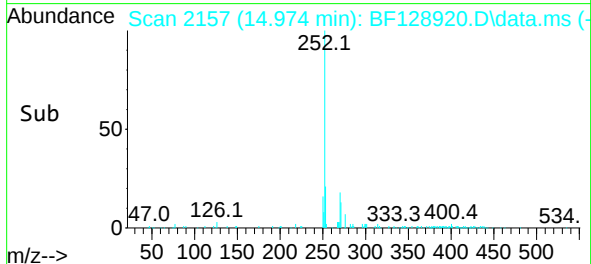
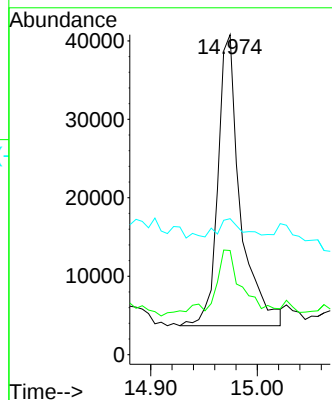
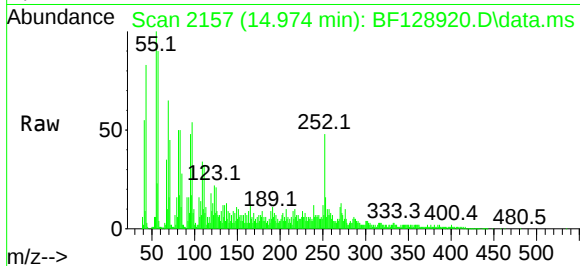




#89
Benzo(k)fluoranthene
Concen: 6.863 ng
RT: 14.974 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

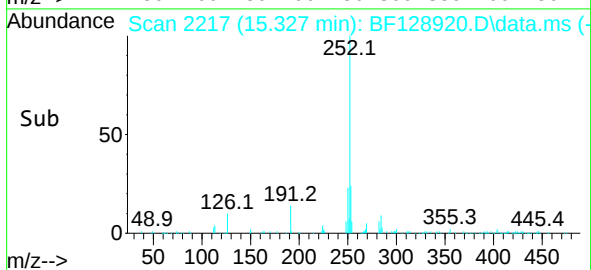
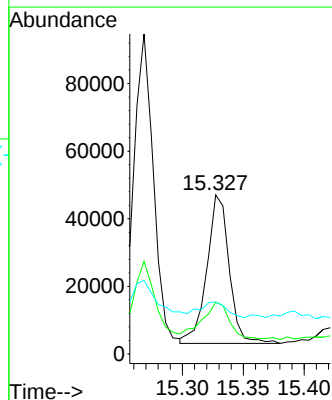
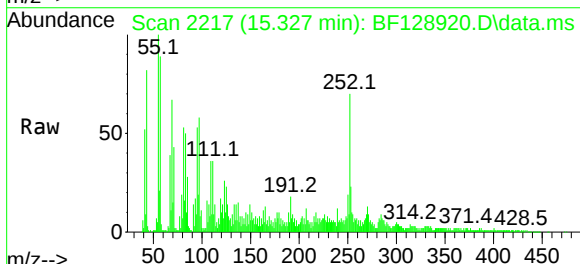
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-13

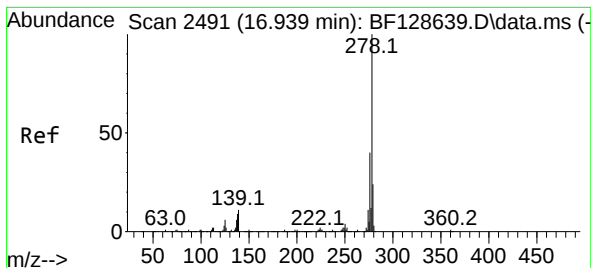
Tgt Ion:252 Resp: 54125
Ion Ratio Lower Upper
252 100
253 32.6 17.8 26.6#
125 42.5 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 8.512 ng
RT: 15.327 min Scan# 2217
Delta R.T. 0.024 min
Lab File: BF128920.D
Acq: 22 Jun 2022 02:15

Tgt Ion:252 Resp: 56087
Ion Ratio Lower Upper
252 100
253 32.4 17.0 25.6#
125 32.8 8.8 13.2#





#91

Dibenzo(a,h)anthracene

Concen: 2.333 ng

RT: 16.810 min Scan# 2491

Delta R.T. 0.006 min

Lab File: BF128920.D

Acq: 22 Jun 2022 02:15

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-13

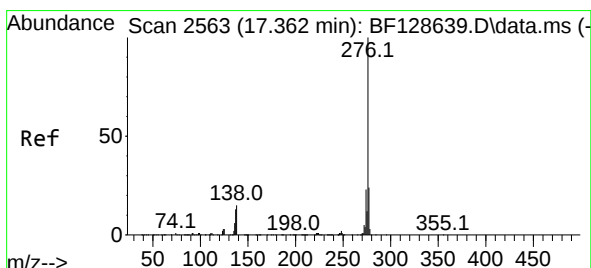
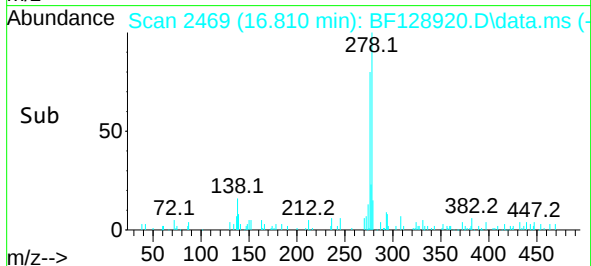
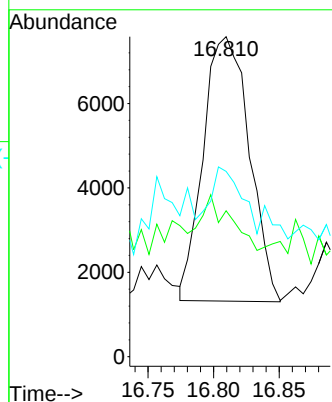
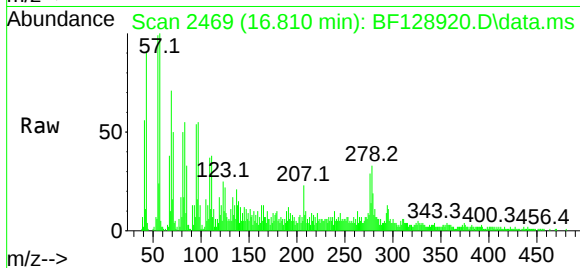
Tgt Ion:278 Resp: 15300

Ion Ratio Lower Upper

278 100

139 45.6 12.8 19.2#

279 57.9 18.6 28.0#



#92

Benzo(g,h,i)perylene

Concen: 3.369 ng

RT: 17.245 min Scan# 2543

Delta R.T. 0.030 min

Lab File: BF128920.D

Acq: 22 Jun 2022 02:15

Tgt Ion:276 Resp: 21902

Ion Ratio Lower Upper

276 100

277 31.1 19.1 28.7#

138 22.7 18.0 27.0

