

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130982.D
 Acq On : 04 Nov 2022 03:11
 Operator : CG\JU
 Sample : N5416-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CC-1

Quant Time: Nov 04 06:27:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

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

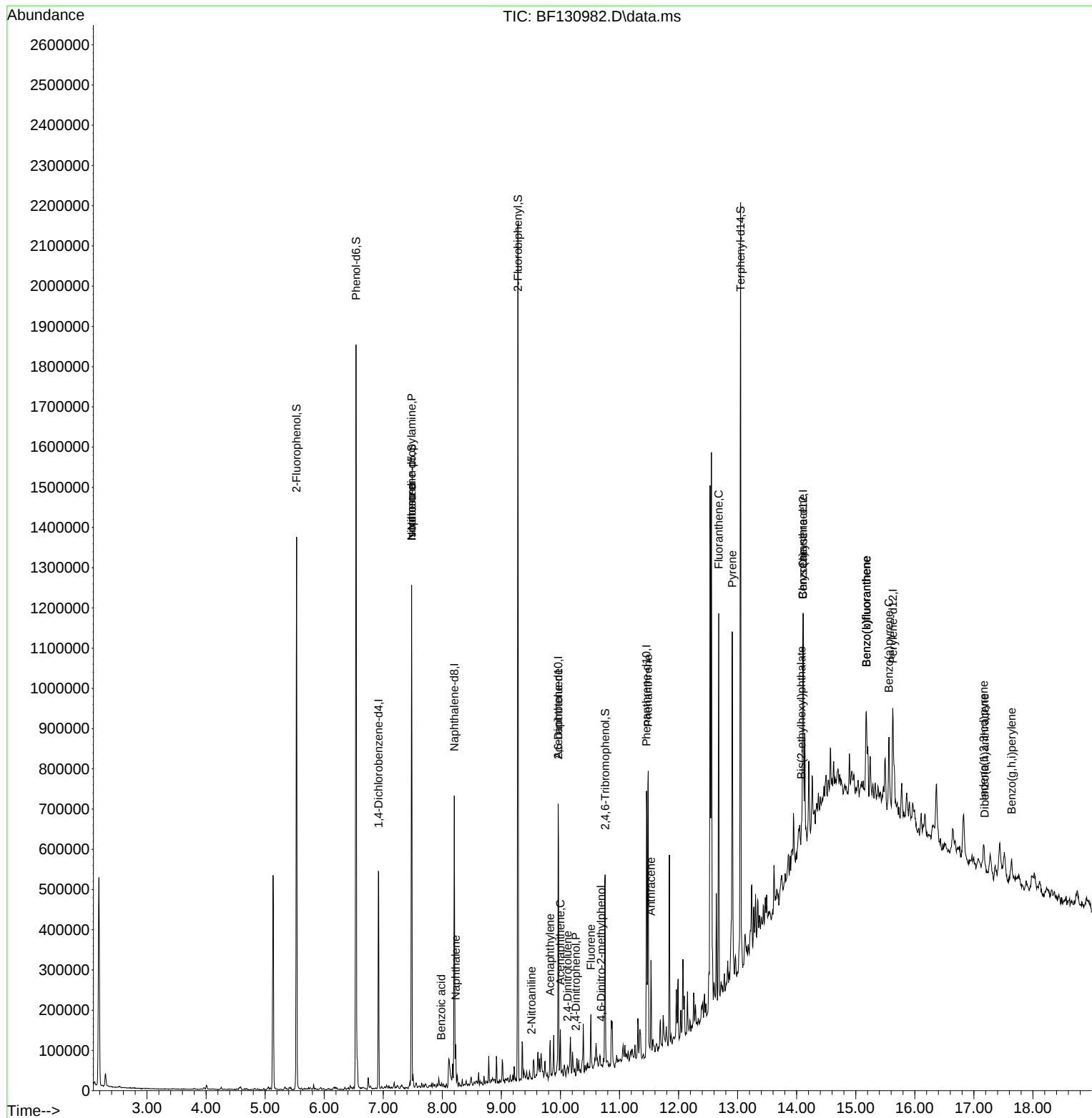
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	79905	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	265497	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	130974	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	248337	20.000	ng	0.00
76) Chrysene-d12	14.110	240	154444	20.000	ng	# 0.00
86) Perylene-d12	15.627	264	108446	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	326080	70.746	ng	0.00
7) Phenol-d6	6.539	99	578439	96.574	ng	0.00
23) Nitrobenzene-d5	7.481	82	350763	79.664	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	53911	48.897	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	568533	65.628	ng	0.00
79) Terphenyl-d14	13.051	244	623999	74.036	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	47285	11.603	ng	# 77
25) Isophorone	7.481	82	349860	38.532	ng	# 66
31) Naphthalene	8.228	128	35038	2.529	ng	96
32) Benzoic acid	7.981	122	145	7.725	ng	# 18
48) 2-Nitroaniline	9.510	65	334	4.274	ng	# 45
49) Acenaphthylene	9.828	152	29364	2.483	ng	98
51) 2,6-Dinitrotoluene	9.963	165	18307	12.872	ng	# 14
52) Acenaphthene	9.998	154	18440	2.522	ng	97
54) 2,4-Dinitrophenol	10.263	184	61	4.261	ng	# 41
57) 2,4-Dinitrotoluene	10.122	165	611	3.969	ng	# 65
58) Fluorene	10.516	166	33925	4.065	ng	93
65) 4,6-Dinitro-2-methylph...	10.692	198	53	7.971	ng	# 1
71) Phenanthrene	11.486	178	259869	20.275	ng	100
72) Anthracene	11.533	178	80413	6.361	ng	98
75) Fluoranthene	12.680	202	343325	25.210	ng	98
78) Pyrene	12.910	202	321060	24.640	ng	100
81) Benzo(a)anthracene	14.104	228	131970	12.888	ng	93
83) Chrysene	14.104	228	131970	13.361	ng	96
84) Bis(2-ethylhexyl)phtha...	14.080	149	16379	2.906	ng	# 88
87) Indeno(1,2,3-cd)pyrene	17.168	276	46906	6.513	ng	# 93
88) Benzo(b)fluoranthene	15.180	252	146294	20.869	ng	# 90
89) Benzo(k)fluoranthene	15.180	252	146294	21.416	ng	# 91
90) Benzo(a)pyrene	15.562	252	80234	14.237	ng	# 90
91) Dibenzo(a,h)anthracene	17.186	278	13076	2.227	ng	# 49
92) Benzo(g,h,i)perylene	17.639	276	44778	7.476	ng	# 86

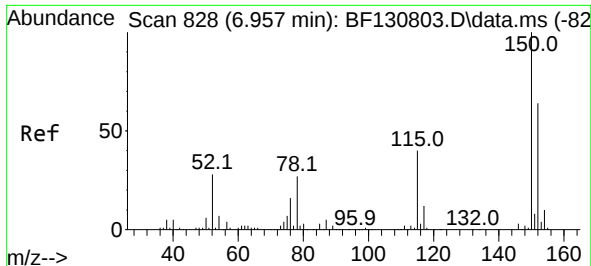
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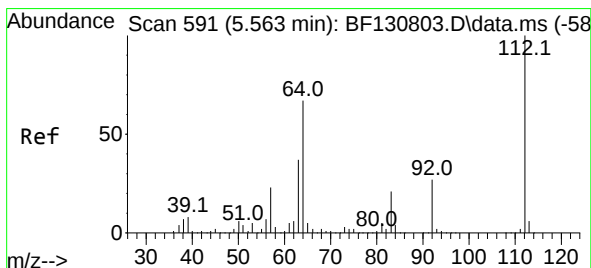
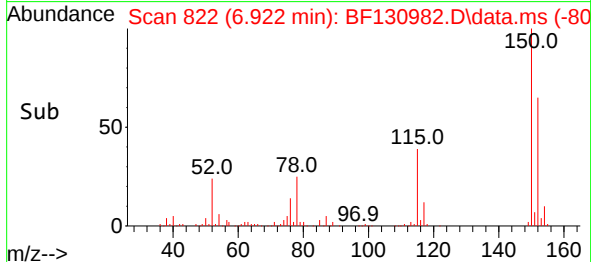
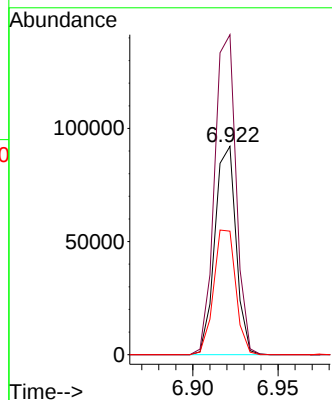
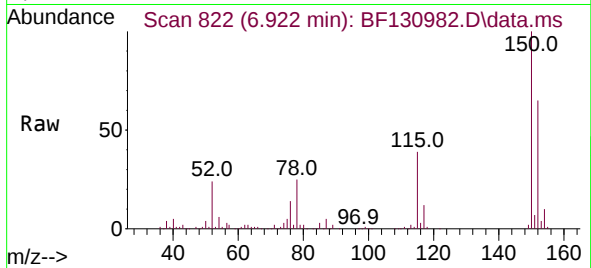




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

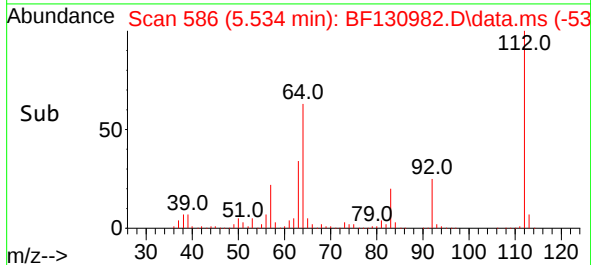
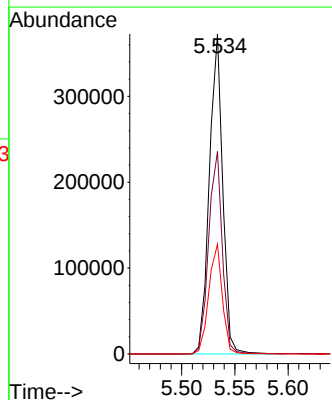
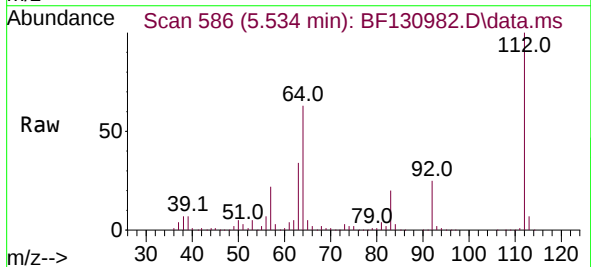
Instrument :
BNA_F
ClientSampleId :
CC-1

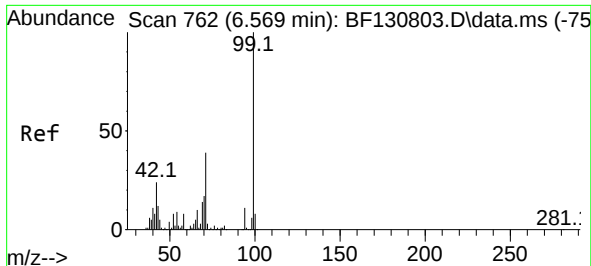
Tgt Ion:152 Resp: 79905
Ion Ratio Lower Upper
152 100
150 153.7 124.1 186.1
115 59.3 50.1 75.1



#5
2-Fluorophenol
Concen: 70.746 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Tgt Ion:112 Resp: 326080
Ion Ratio Lower Upper
112 100
64 63.2 53.9 80.9
63 34.3 29.4 44.2

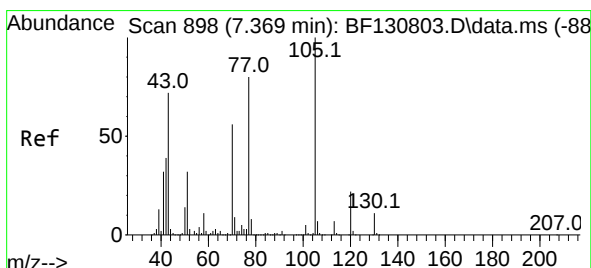
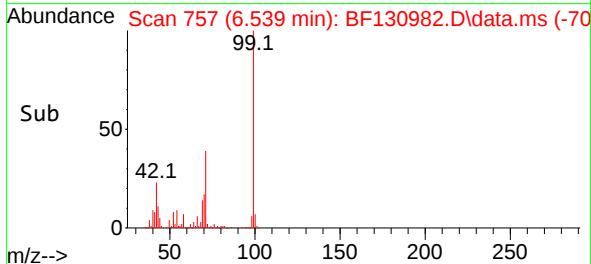
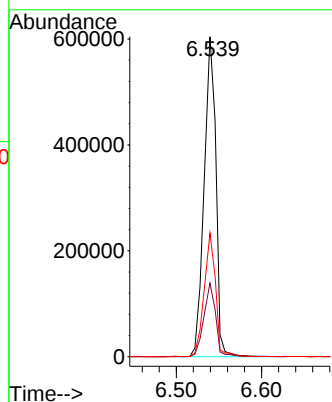
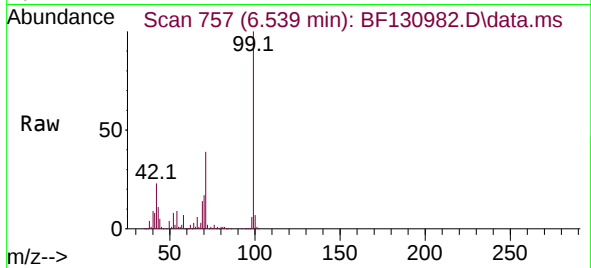




#7
Phenol-d6
Concen: 96.574 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

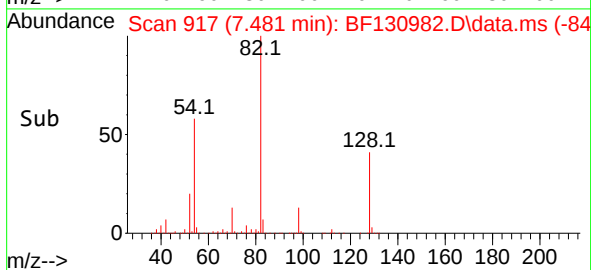
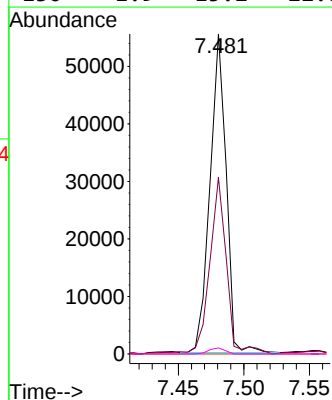
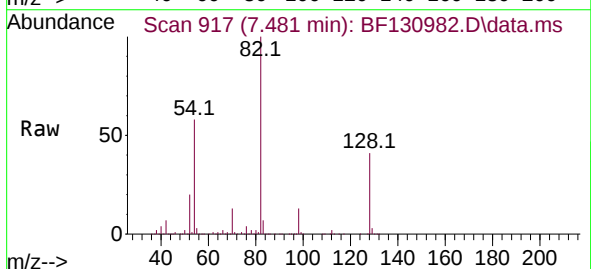
Instrument :
BNA_F
ClientSampleId :
CC-1

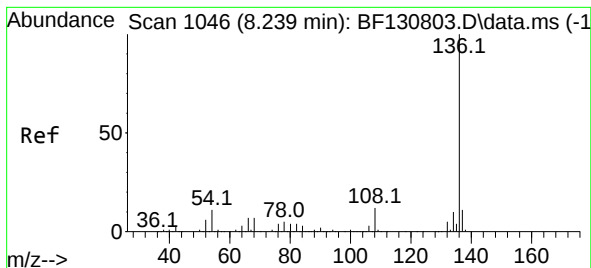
Tgt Ion: 99 Resp: 578439
Ion Ratio Lower Upper
99 100
42 23.0 18.8 28.2
71 38.6 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.603 ng
RT: 7.481 min Scan# 917
Delta R.T. 0.153 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Tgt Ion: 70 Resp: 47285
Ion Ratio Lower Upper
70 100
42 55.2 56.1 84.1#
101 0.0 7.3 10.9#
130 1.9 15.2 22.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.204 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

Instrument :

BNA_F

ClientSampleId :

CC-1

Tgt Ion:136 Resp: 265497

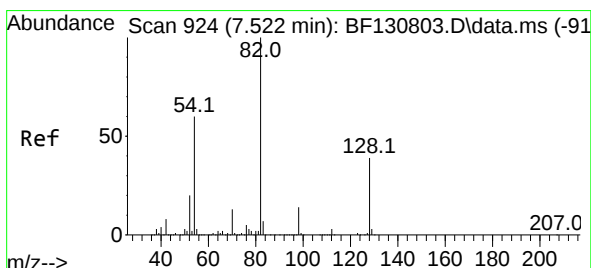
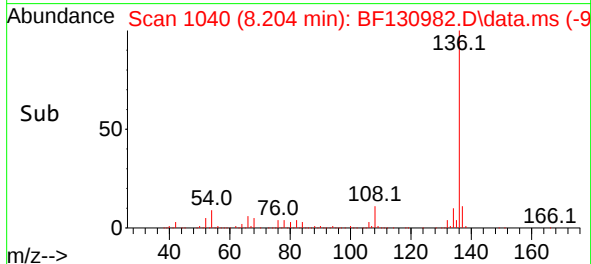
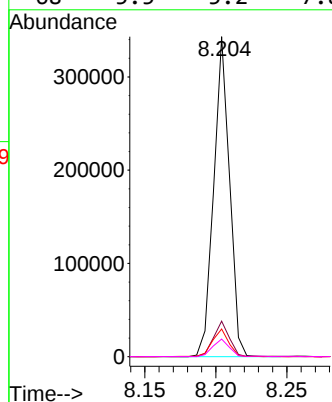
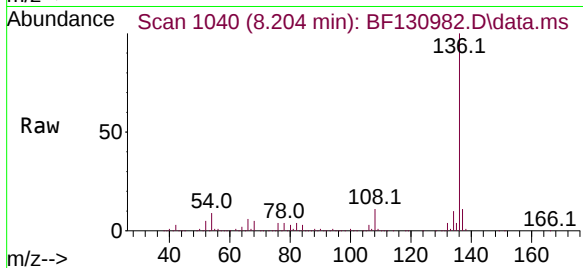
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 8.7 8.8 13.2#

68 5.5 5.2 7.8



#23

Nitrobenzene-d5

Concen: 79.664 ng

RT: 7.481 min Scan# 917

Delta R.T. -0.006 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

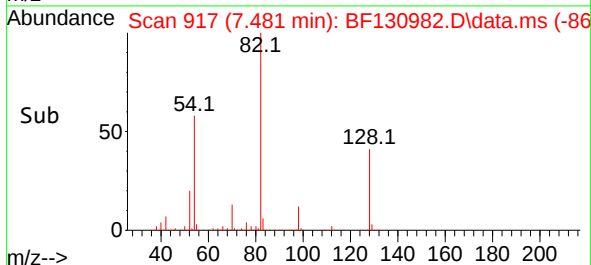
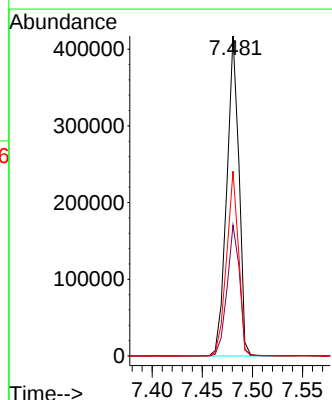
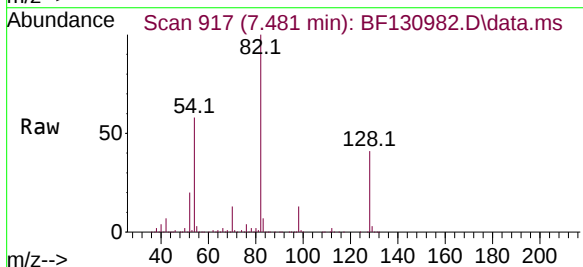
Tgt Ion: 82 Resp: 350763

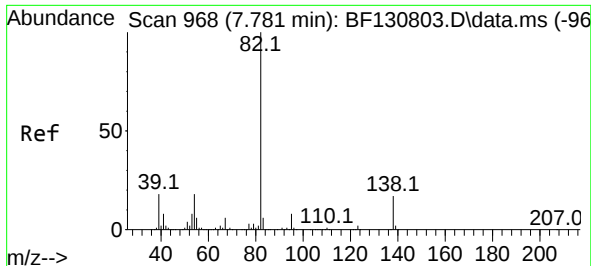
Ion Ratio Lower Upper

82 100

128 40.9 31.2 46.8

54 57.8 48.0 72.0

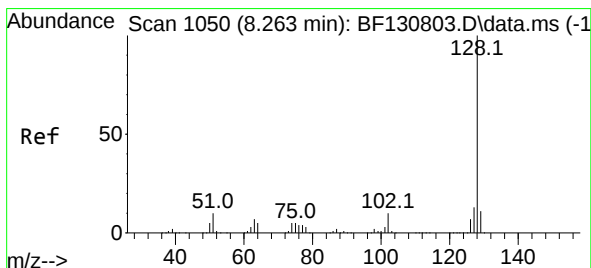
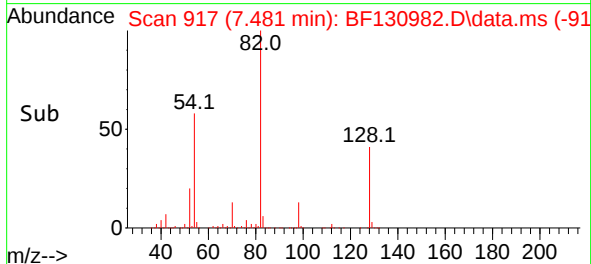
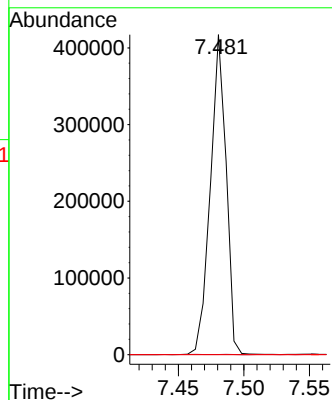
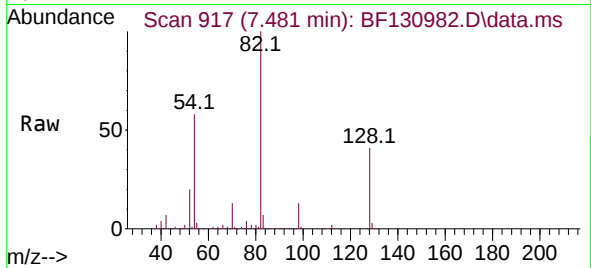




#25
Isophorone
Concen: 38.532 ng
RT: 7.481 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

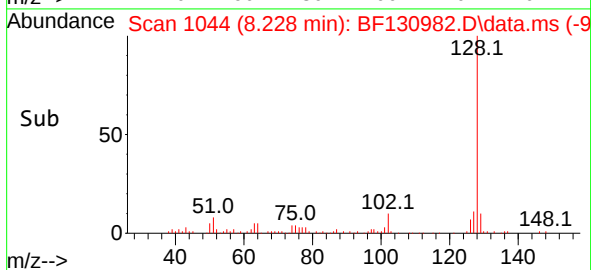
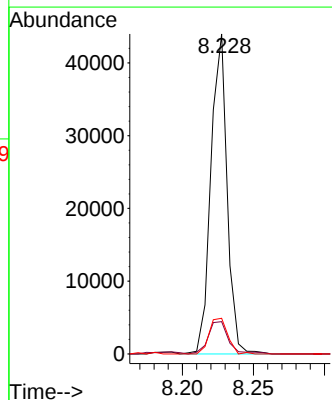
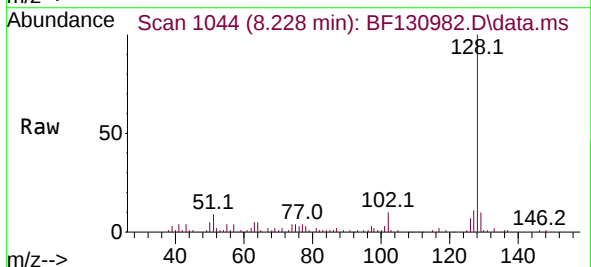
Instrument :
BNA_F
ClientSampleId :
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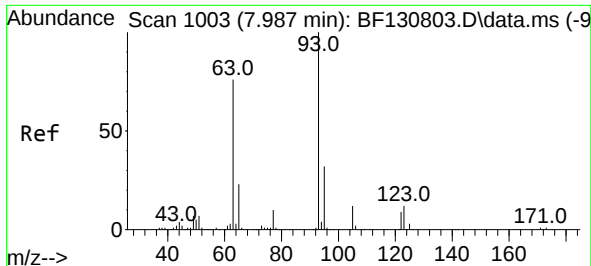
Tgt Ion: 82 Resp: 349860
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.4#
138 0.0 13.8 20.6#



#31
Naphthalene
Concen: 2.529 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Tgt Ion: 128 Resp: 35038
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.6
127 11.2 10.6 16.0

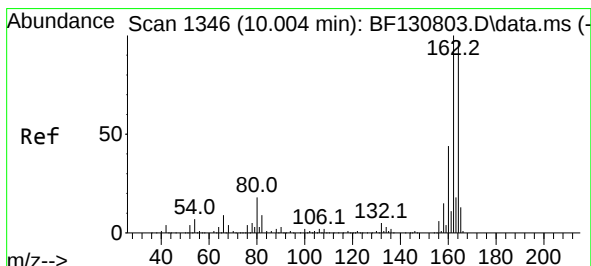
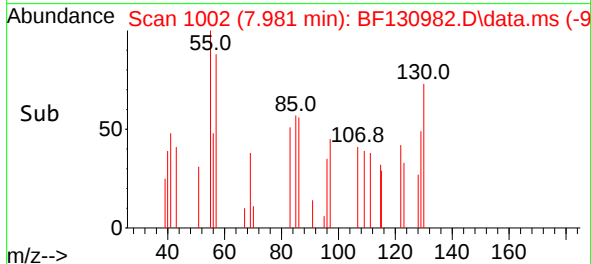
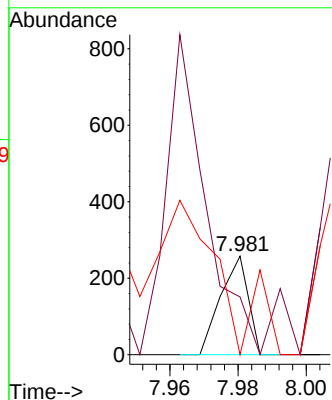
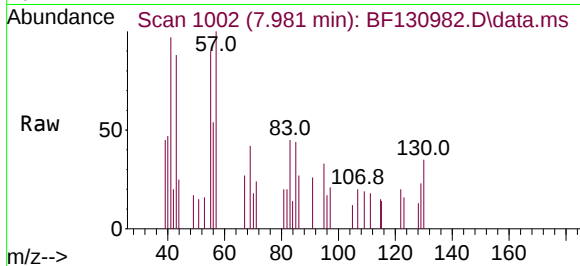




#32
Benzoic acid
Concen: 7.725 ng
RT: 7.981 min Scan# 1002
Delta R.T. 0.018 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

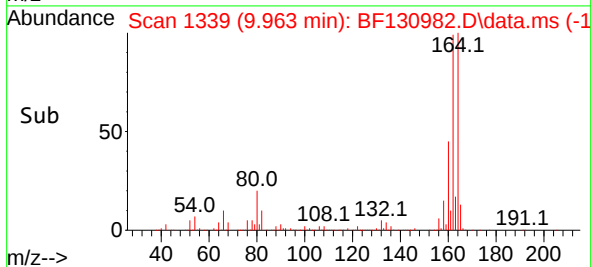
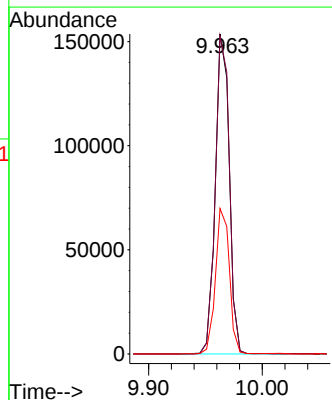
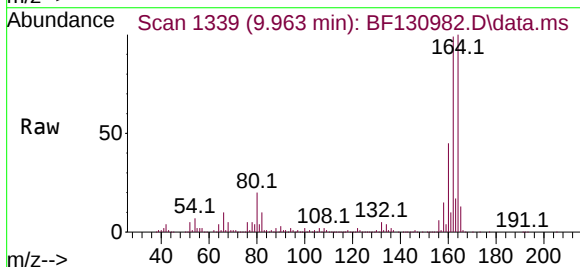
Instrument :
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ClientSampleId :
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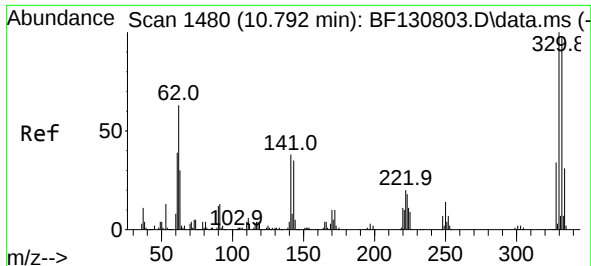
Tgt Ion:122 Resp: 145
Ion Ratio Lower Upper
122 100
105 58.5 114.5 154.5#
77 0.0 89.8 129.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Tgt Ion:164 Resp: 130974
Ion Ratio Lower Upper
164 100
162 99.3 82.2 123.2
160 45.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 48.897 ng

RT: 10.757 min Scan# 1480

Delta R.T. -0.000 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

Instrument :

BNA_F

ClientSampleId :

CC-1

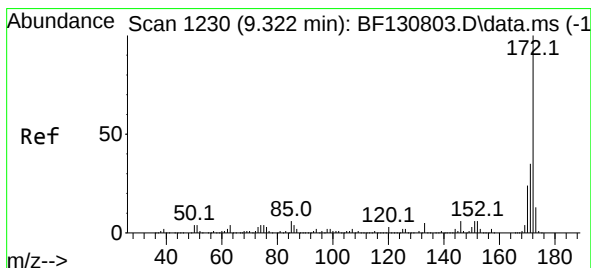
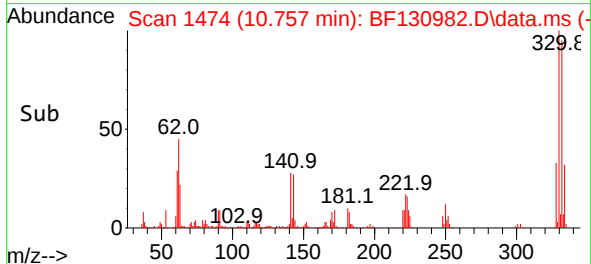
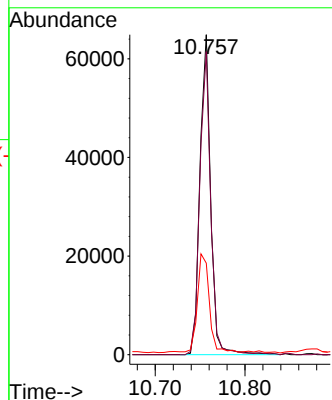
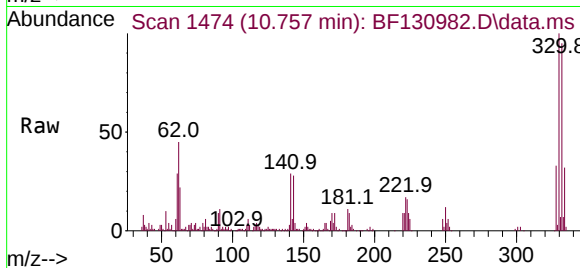
Tgt Ion:330 Resp: 53911

Ion Ratio Lower Upper

330 100

332 96.3 76.2 114.4

141 34.8 31.4 47.0



#45

2-Fluorobiphenyl

Concen: 65.628 ng

RT: 9.280 min Scan# 1223

Delta R.T. -0.000 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

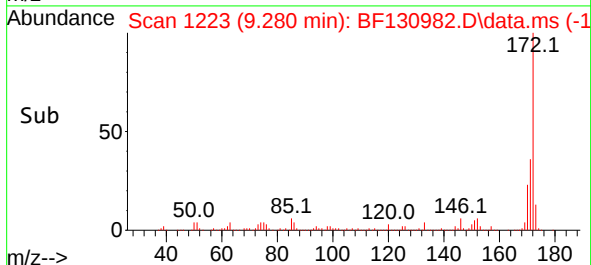
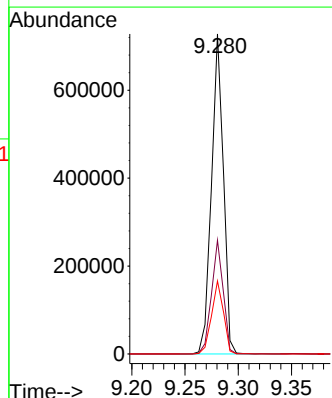
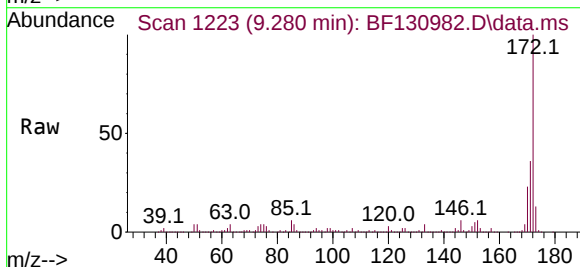
Tgt Ion:172 Resp: 568533

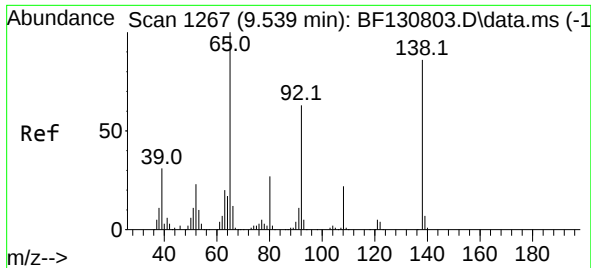
Ion Ratio Lower Upper

172 100

171 35.6 28.1 42.1

170 22.8 19.0 28.4

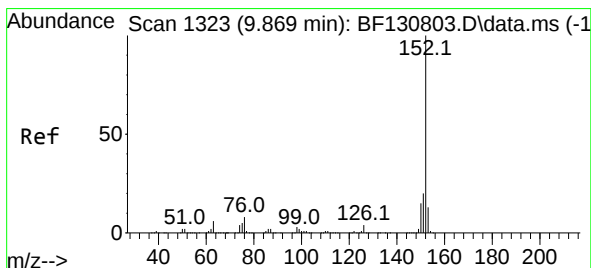
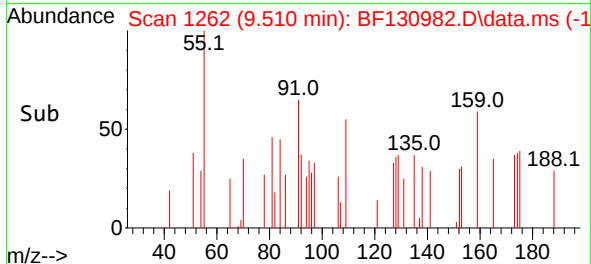
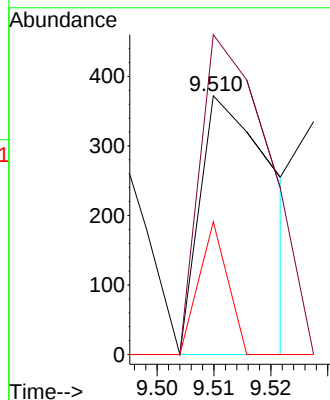
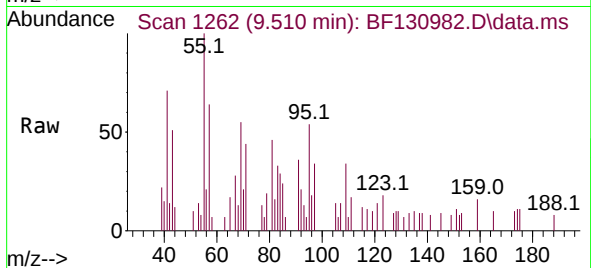




#48
2-Nitroaniline
Concen: 4.274 ng
RT: 9.510 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

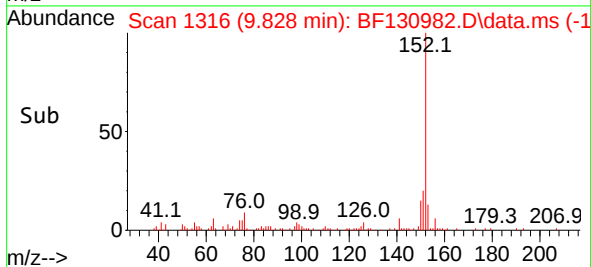
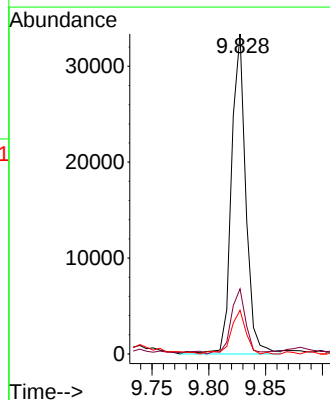
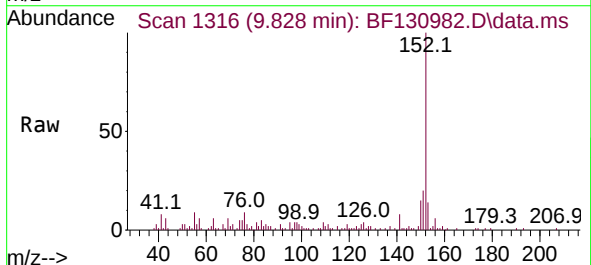
Instrument :
BNA_F
ClientSampleId :
CC-1

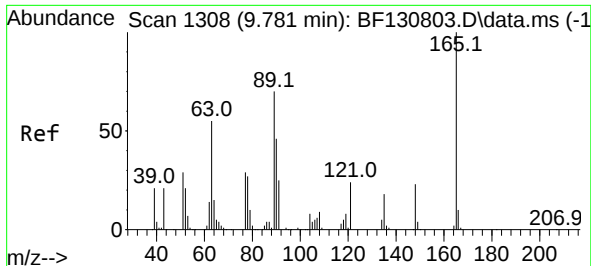
Tgt Ion: 65 Resp: 334
Ion Ratio Lower Upper
65 100
92 123.7 50.1 75.1#
138 51.3 69.2 103.8#



#49
Acenaphthylene
Concen: 2.483 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Tgt Ion: 152 Resp: 29364
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.8
153 13.7 10.2 15.4





#51

2,6-Dinitrotoluene

Concen: 12.872 ng

RT: 9.963 min Scan# 1

Delta R.T. 0.218 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

Instrument :

BNA_F

ClientSampleId :

CC-1

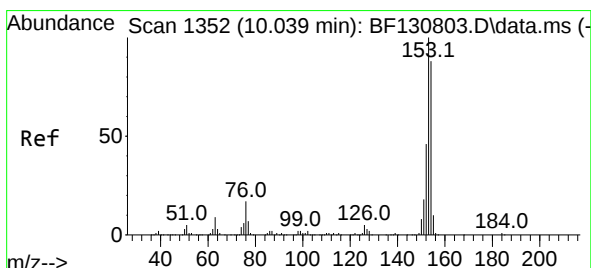
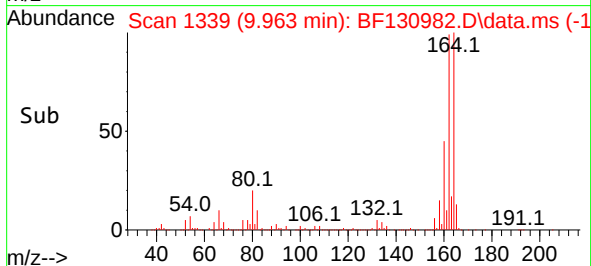
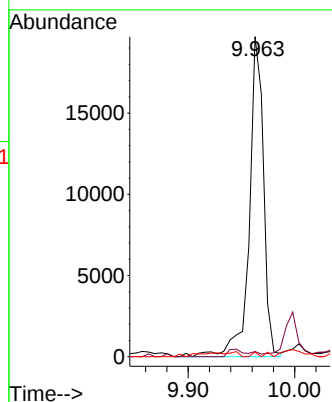
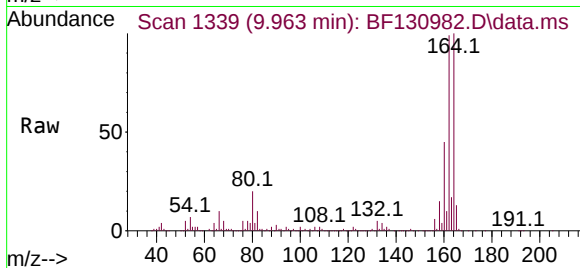
Tgt Ion:165 Resp: 18307

Ion Ratio Lower Upper

165 100

63 1.6 61.8 92.8#

89 1.5 56.2 84.4#



#52

Acenaphthene

Concen: 2.522 ng

RT: 9.998 min Scan# 1345

Delta R.T. -0.000 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

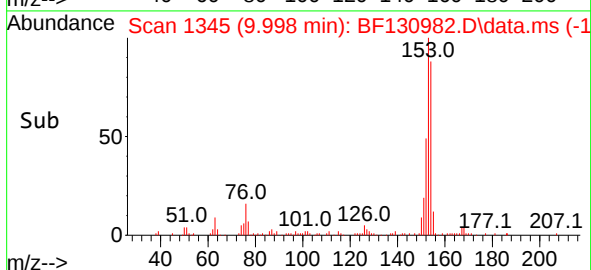
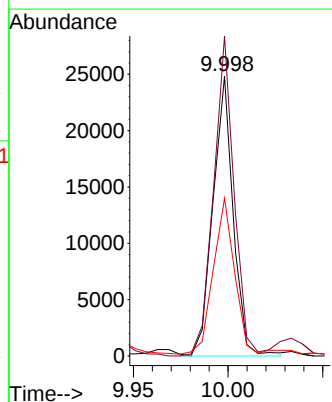
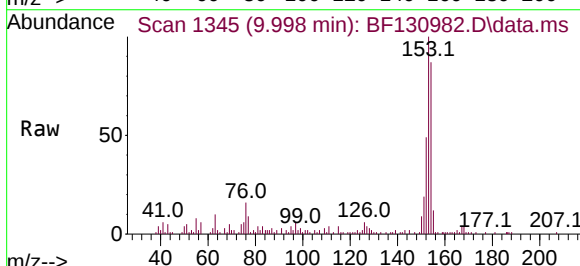
Tgt Ion:154 Resp: 18440

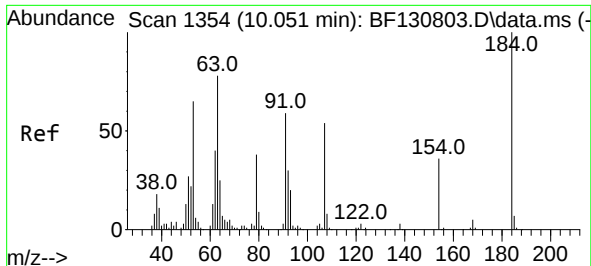
Ion Ratio Lower Upper

154 100

153 114.3 90.5 135.7

152 56.4 42.0 63.0





#54

2,4-Dinitrophenol

Concen: 4.261 ng

RT: 10.263 min Scan# 1

Delta R.T. 0.241 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

Instrument :

BNA_F

ClientSampleId :

CC-1

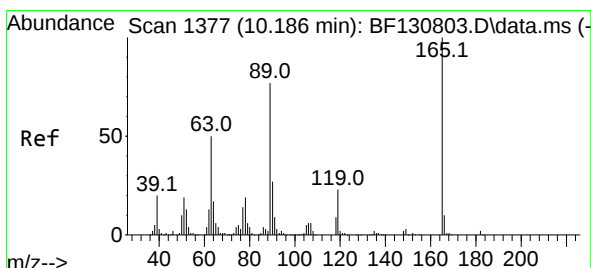
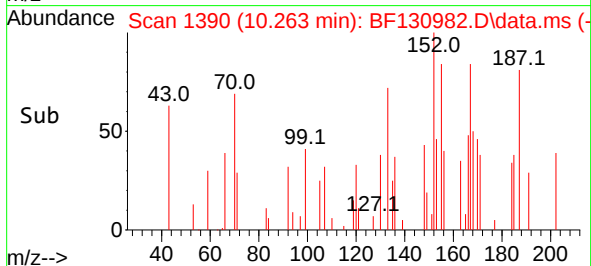
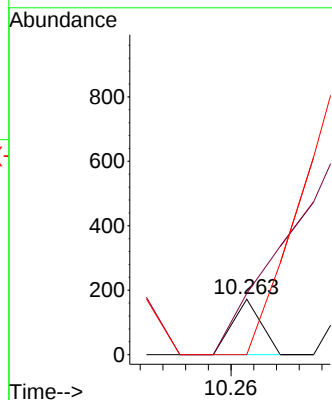
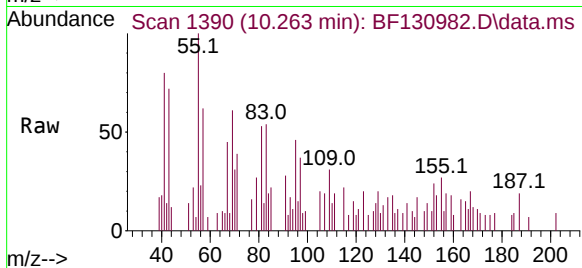
Tgt Ion:184 Resp: 61

Ion Ratio Lower Upper

184 100

63 110.5 66.7 100.1#

154 0.0 62.2 93.2#



#57

2,4-Dinitrotoluene

Concen: 3.969 ng

RT: 10.122 min Scan# 1366

Delta R.T. -0.030 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

Tgt Ion:165 Resp: 611

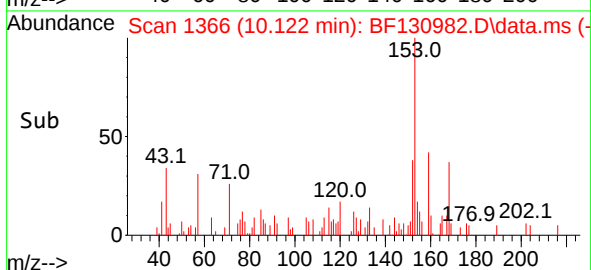
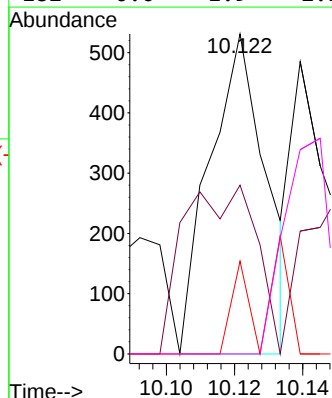
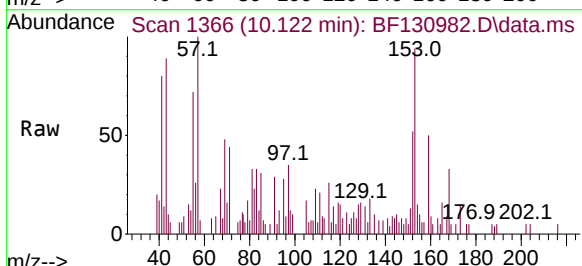
Ion Ratio Lower Upper

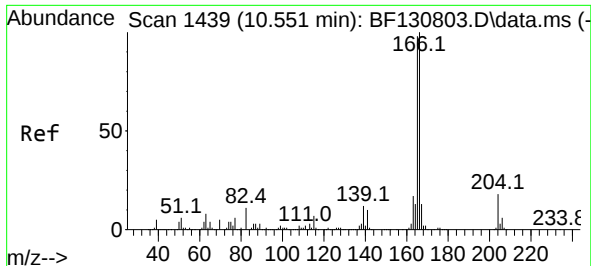
165 100

63 52.7 39.8 59.6

89 29.0 61.9 92.9#

182 0.0 1.9 2.9#

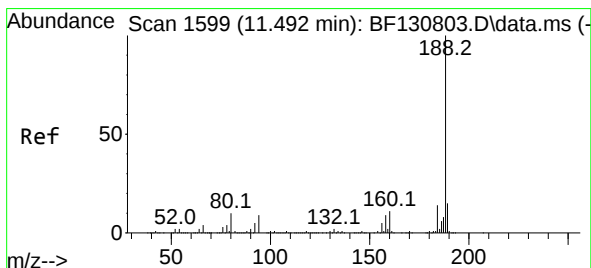
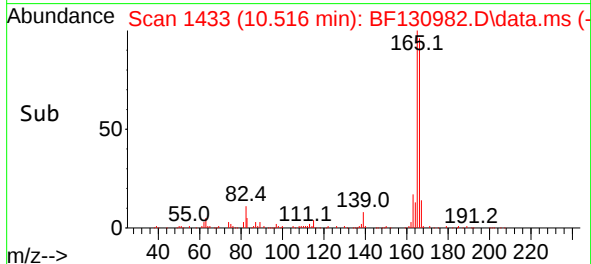
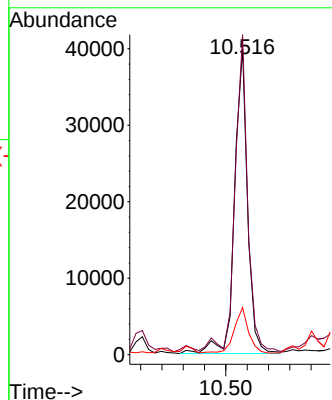
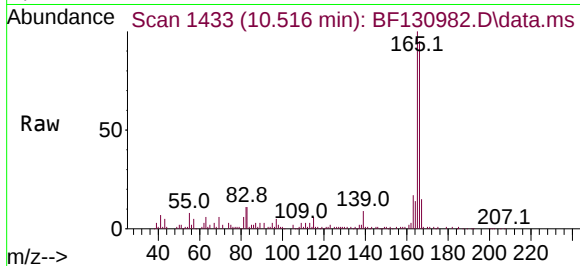




#58
Fluorene
Concen: 4.065 ng
RT: 10.516 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

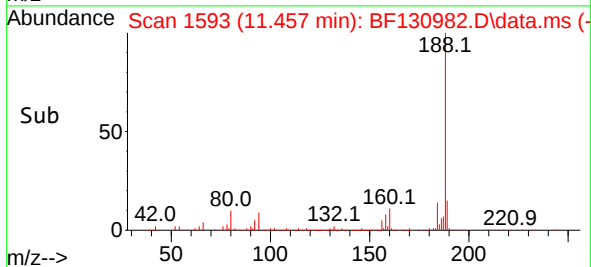
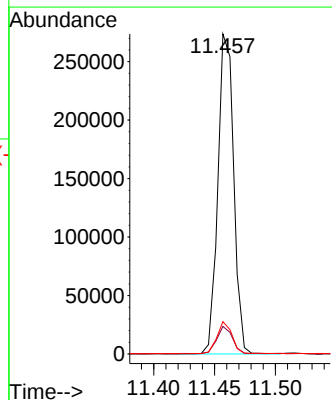
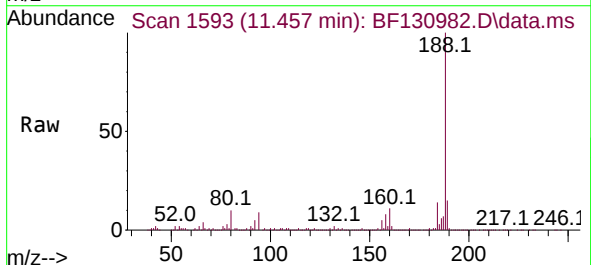
Instrument :
BNA_F
ClientSampleId :
CC-1

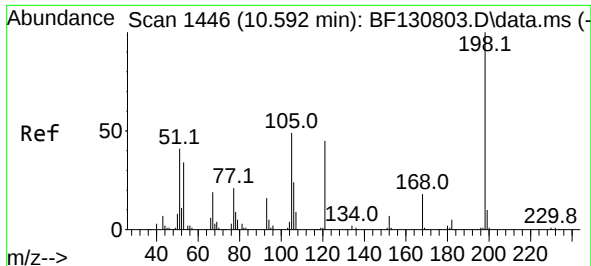
Tgt Ion:166 Resp: 33925
Ion Ratio Lower Upper
166 100
165 104.8 78.1 117.1
167 15.5 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Tgt Ion:188 Resp: 248337
Ion Ratio Lower Upper
188 100
94 8.6 7.4 11.2
80 10.1 8.0 12.0

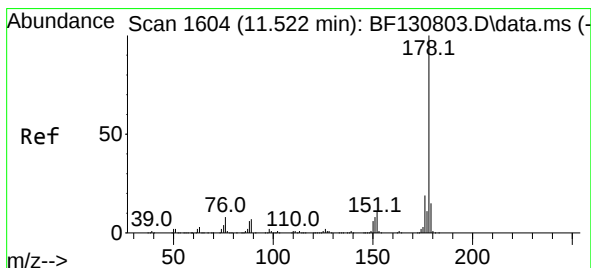
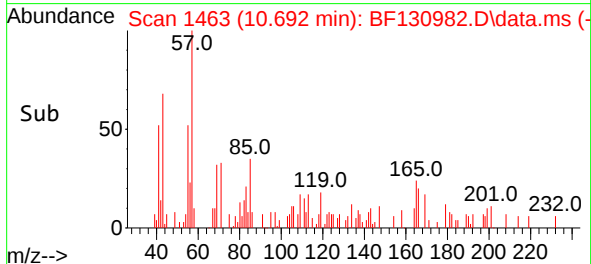
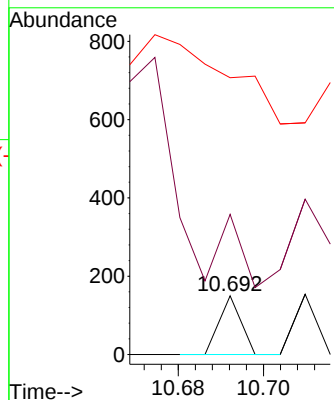
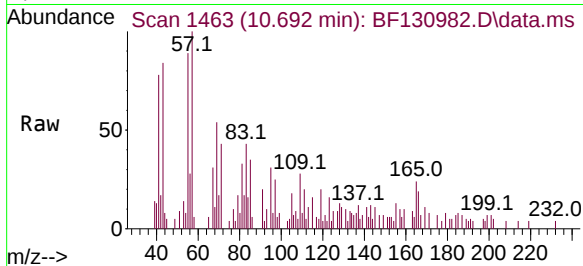




#65
4,6-Dinitro-2-methylphenol
Concen: 7.971 ng
RT: 10.692 min Scan# 14
Delta R.T. 0.129 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

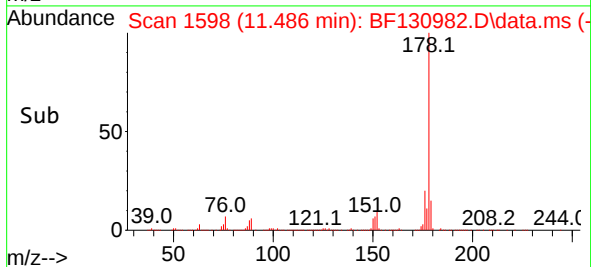
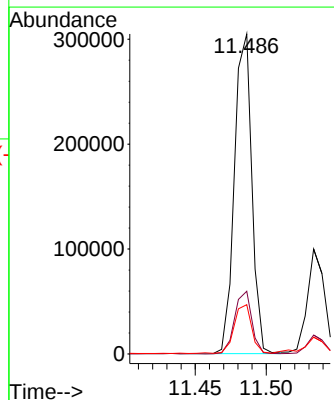
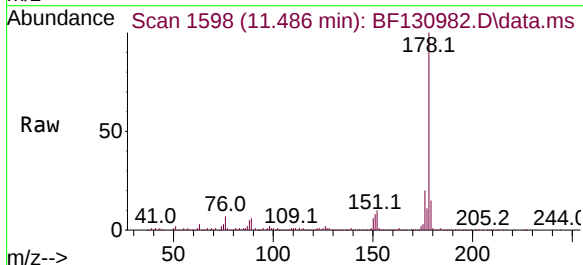
Instrument :
BNA_F
ClientSampleId :
CC-1

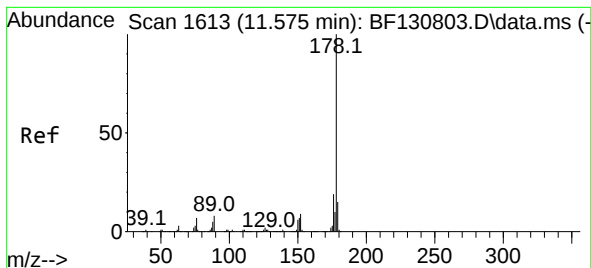
Tgt Ion:198 Resp: 53
Ion Ratio Lower Upper
198 100
51 238.7 39.0 79.0#
105 471.3 30.6 70.6#



#71
Phenanthrene
Concen: 20.275 ng
RT: 11.486 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Tgt Ion:178 Resp: 259869
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.4 12.2 18.2





#72

Anthracene

Concen: 6.361 ng

RT: 11.533 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

Instrument :

BNA_F

ClientSampleId :

CC-1

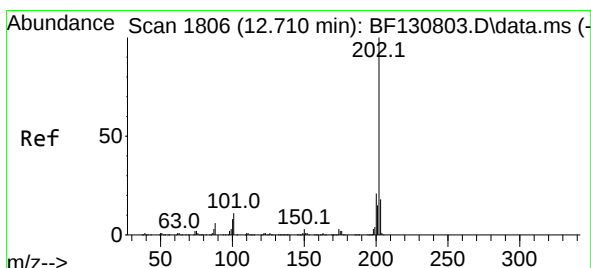
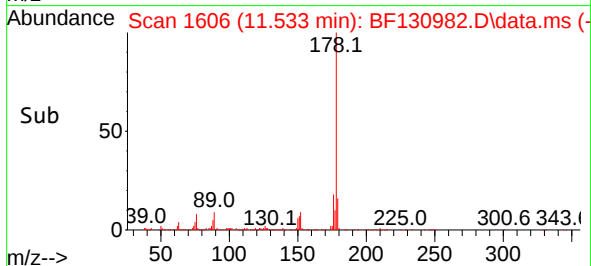
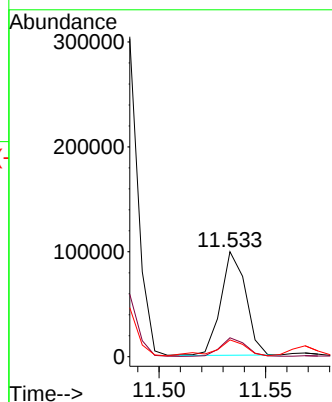
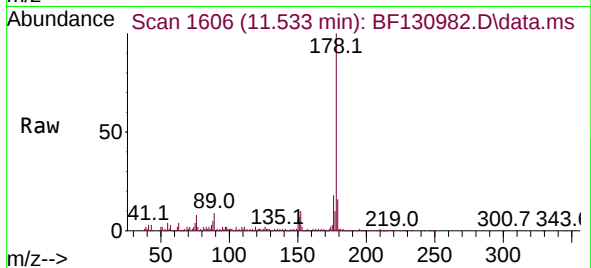
Tgt Ion:178 Resp: 80413

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.0

179 16.1 12.2 18.4



#75

Fluoranthene

Concen: 25.210 ng

RT: 12.680 min Scan# 1801

Delta R.T. 0.006 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

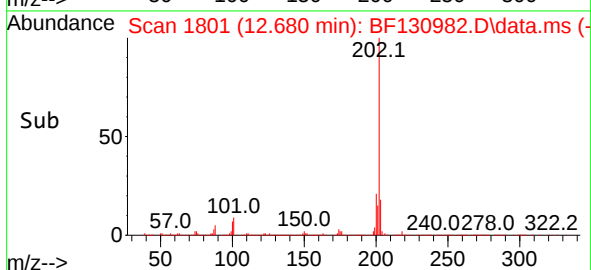
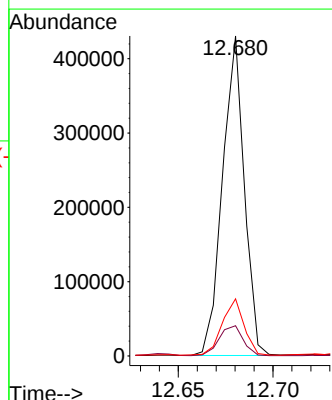
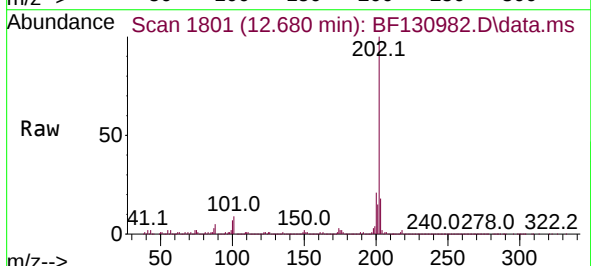
Tgt Ion:202 Resp: 343325

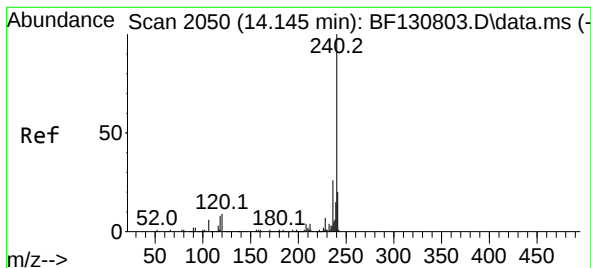
Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.9

203 17.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.110 min Scan# 2050

Delta R.T. 0.006 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

Instrument :

BNA_F

ClientSampleId :

CC-1

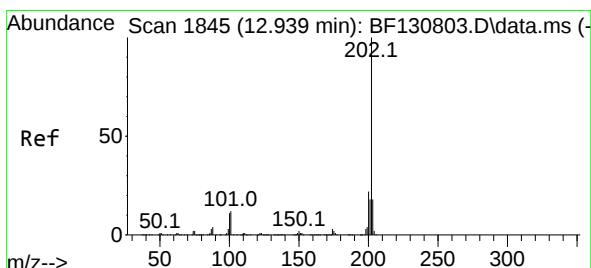
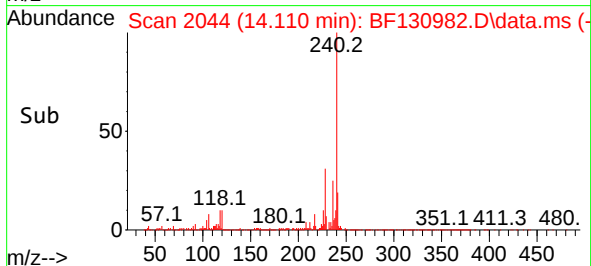
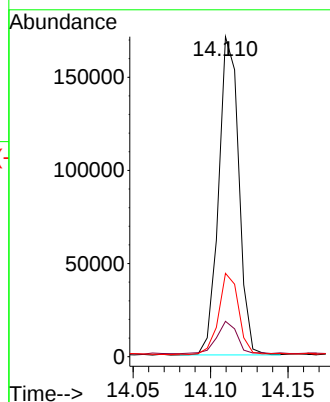
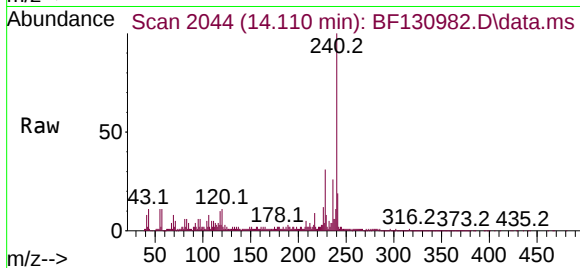
Tgt Ion:240 Resp: 154444

Ion Ratio Lower Upper

240 100

120 11.1 7.0 10.4#

236 26.1 20.5 30.7



#78

Pyrene

Concen: 24.640 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.006 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

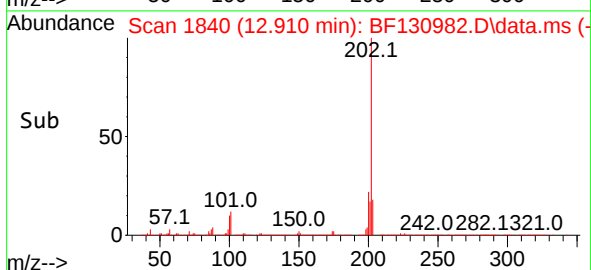
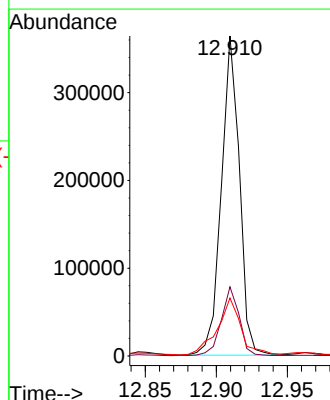
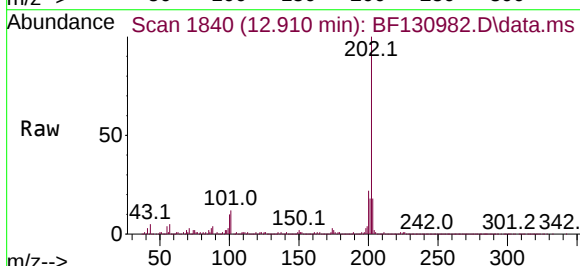
Tgt Ion:202 Resp: 321060

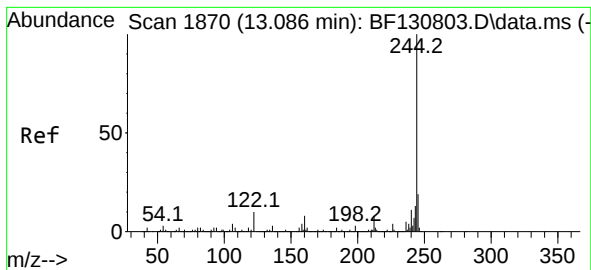
Ion Ratio Lower Upper

202 100

200 21.6 17.2 25.8

203 18.1 14.5 21.7





#79

Terphenyl-d14

Concen: 74.036 ng

RT: 13.051 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

Instrument :

BNA_F

ClientSampleId :

CC-1

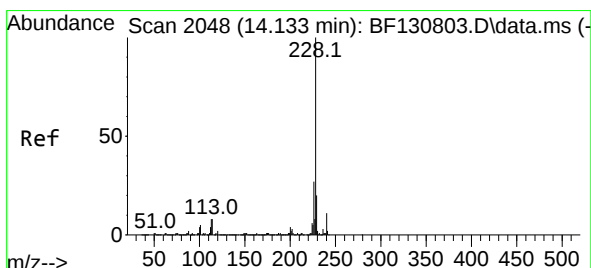
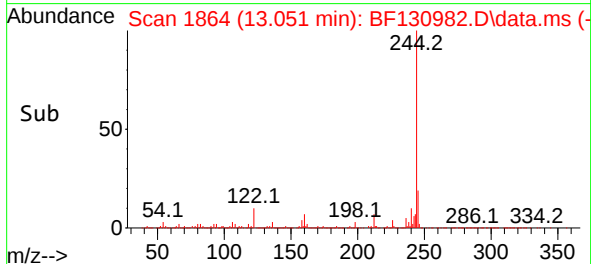
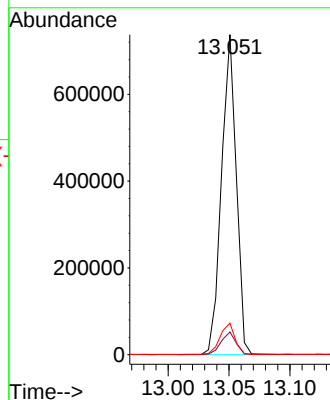
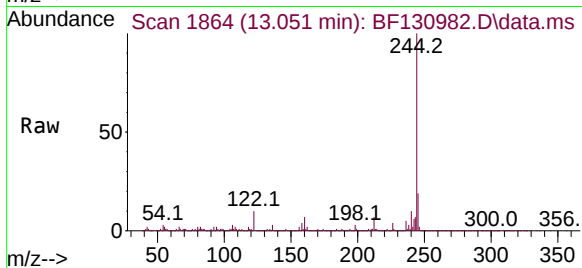
Tgt Ion:244 Resp: 623999

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

122 9.8 7.9 11.9



#81

Benzo(a)anthracene

Concen: 12.888 ng

RT: 14.104 min Scan# 2043

Delta R.T. 0.006 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

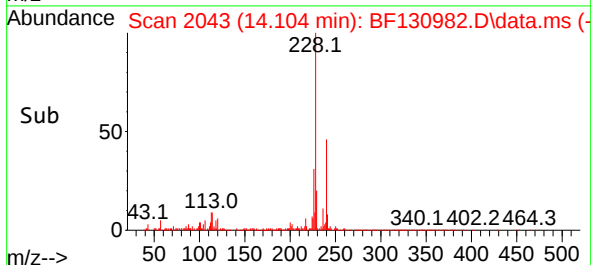
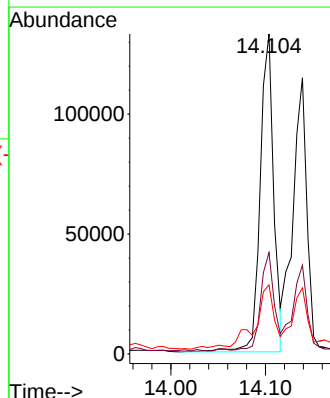
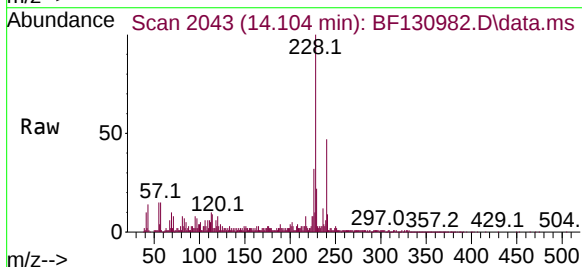
Tgt Ion:228 Resp: 131970

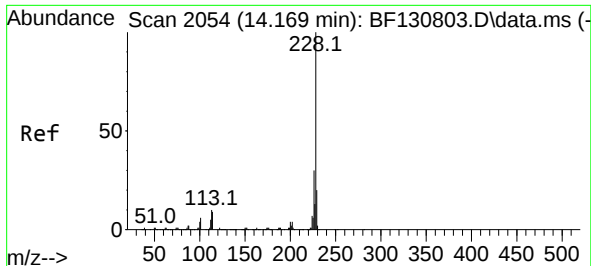
Ion Ratio Lower Upper

228 100

226 31.7 21.4 32.2

229 21.6 15.8 23.6

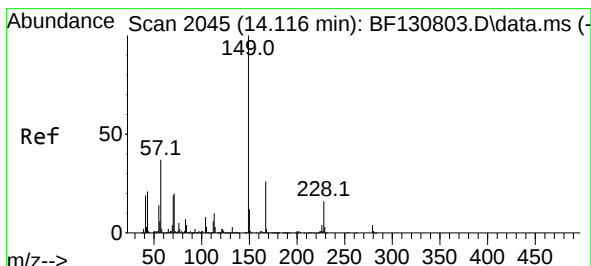
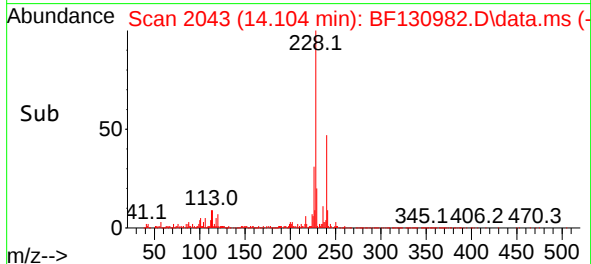
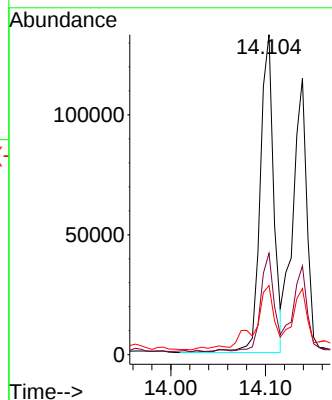
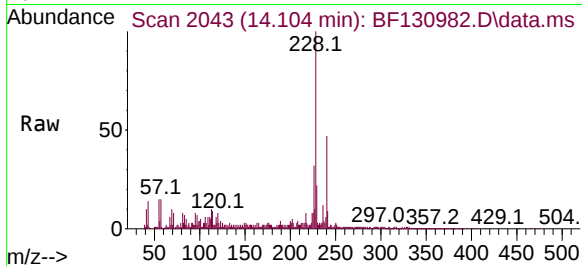




#83
Chrysene
Concen: 13.361 ng
RT: 14.104 min Scan# 2054
Delta R.T. -0.030 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

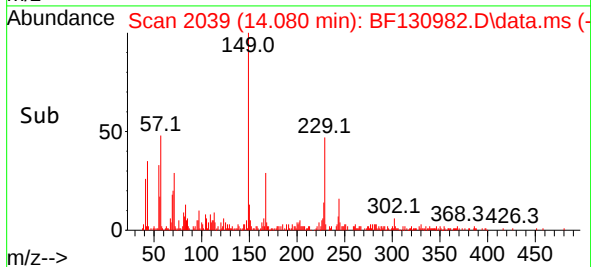
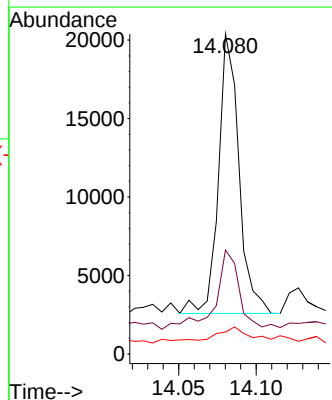
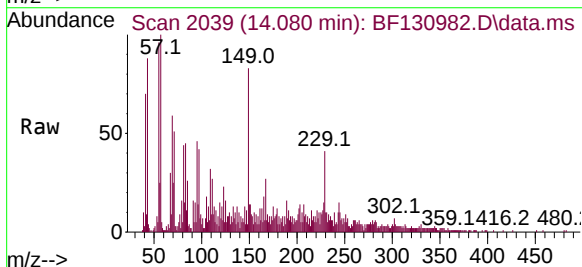
Instrument :
BNA_F
ClientSampleId :
CC-1

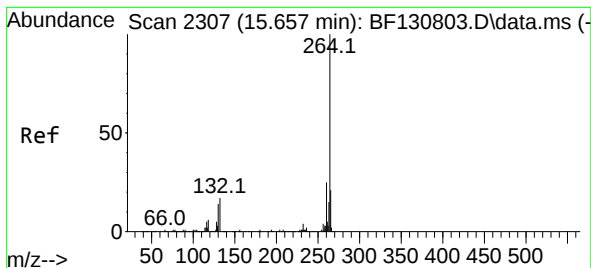
Tgt Ion:228 Resp: 131970
Ion Ratio Lower Upper
228 100
226 31.7 23.9 35.9
229 21.6 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.906 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Tgt Ion:149 Resp: 16379
Ion Ratio Lower Upper
149 100
167 32.5 21.0 31.4#
279 6.9 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

Instrument :

BNA_F

ClientSampleId :

CC-1

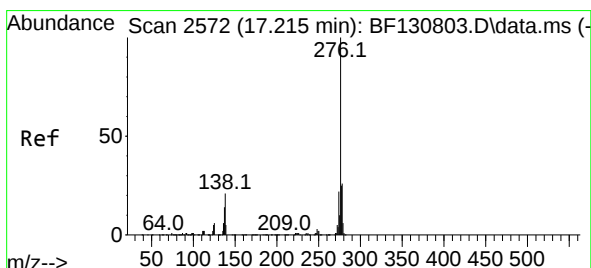
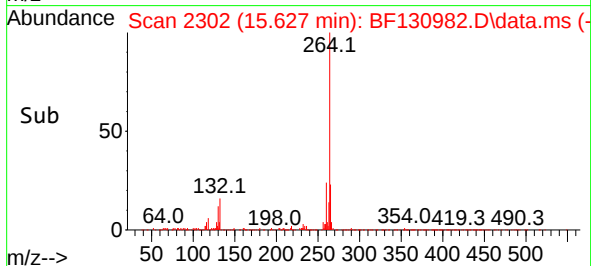
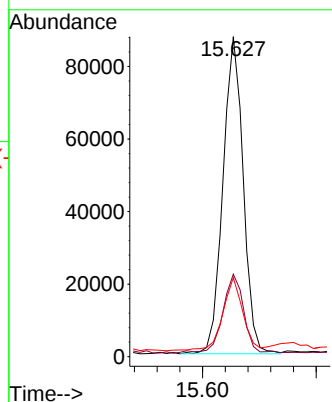
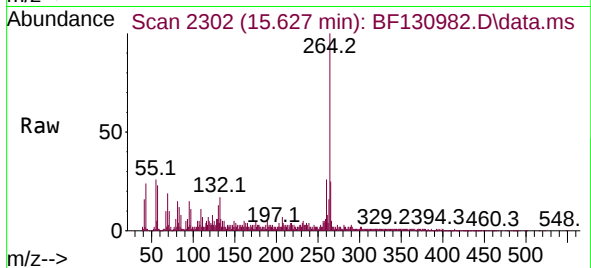
Tgt Ion:264 Resp: 108446

Ion Ratio Lower Upper

264 100

260 25.8 19.9 29.9

265 24.7 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.513 ng

RT: 17.168 min Scan# 2564

Delta R.T. 0.023 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

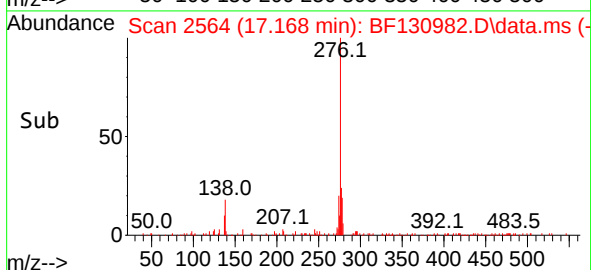
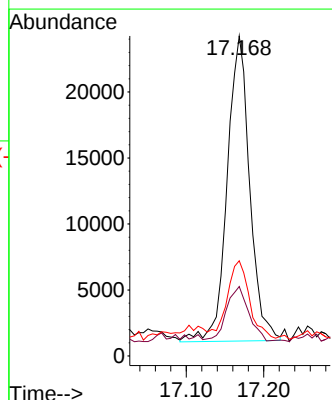
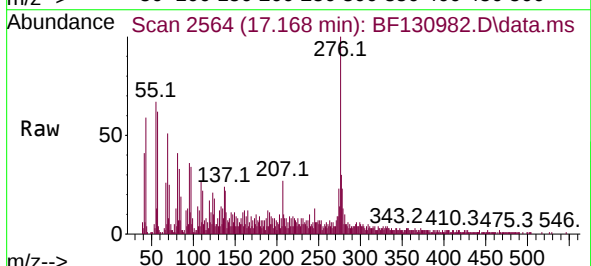
Tgt Ion:276 Resp: 46906

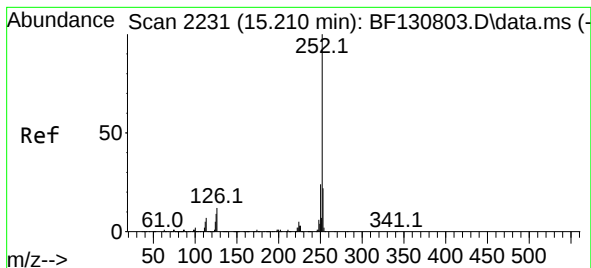
Ion Ratio Lower Upper

276 100

138 17.1 19.1 28.7#

277 24.8 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 20.869 ng

RT: 15.180 min Scan# 2226

Delta R.T. 0.018 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

Instrument :

BNA_F

ClientSampleId :

CC-1

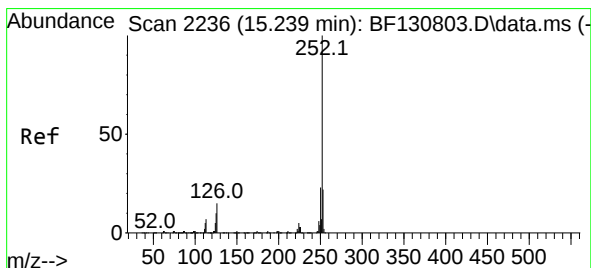
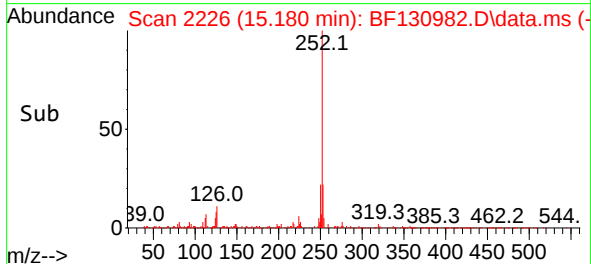
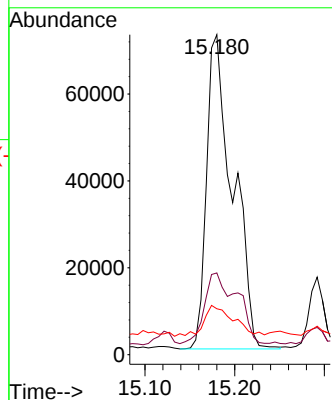
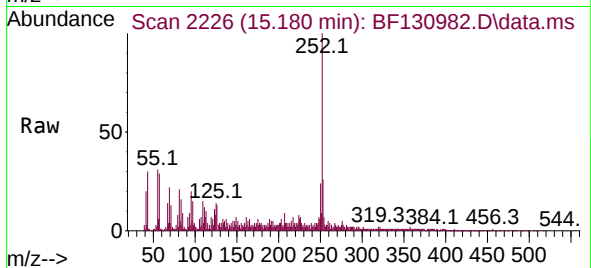
Tgt Ion:252 Resp: 146294

Ion Ratio Lower Upper

252 100

253 25.6 17.5 26.3

125 14.4 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 21.416 ng

RT: 15.180 min Scan# 2226

Delta R.T. -0.018 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

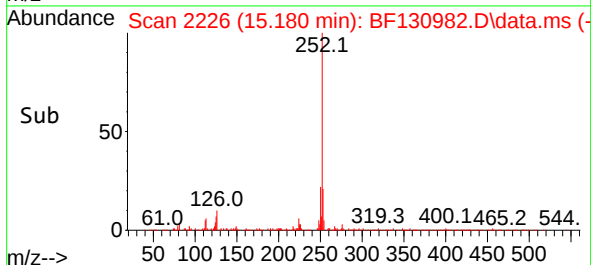
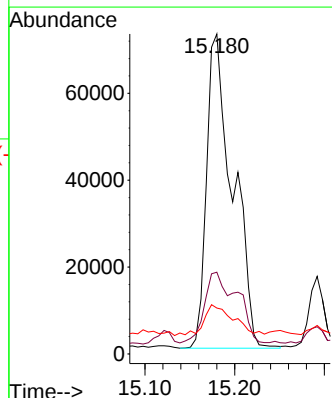
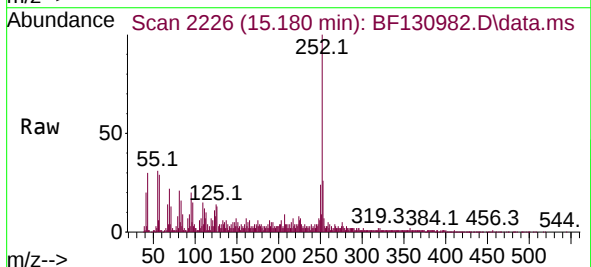
Tgt Ion:252 Resp: 146294

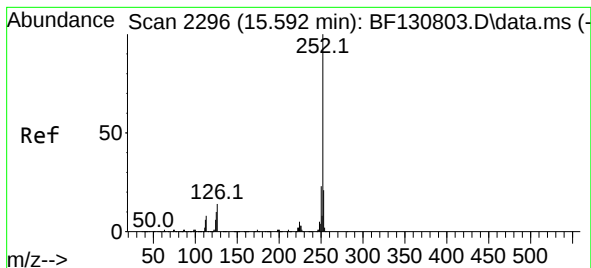
Ion Ratio Lower Upper

252 100

253 25.6 17.5 26.3

125 14.4 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 14.237 ng

RT: 15.562 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

Instrument :

BNA_F

ClientSampleId :

CC-1

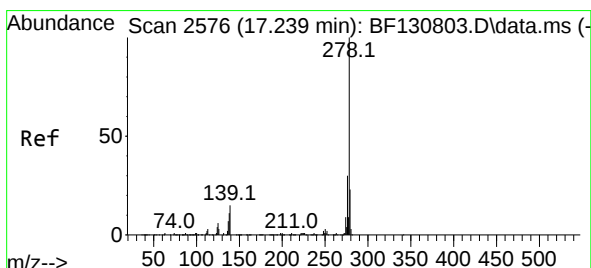
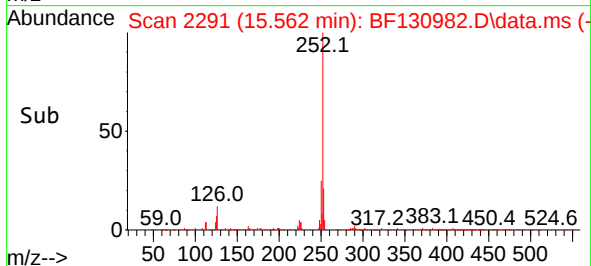
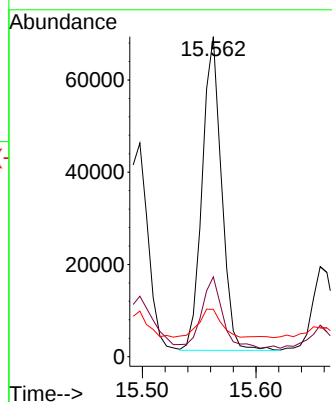
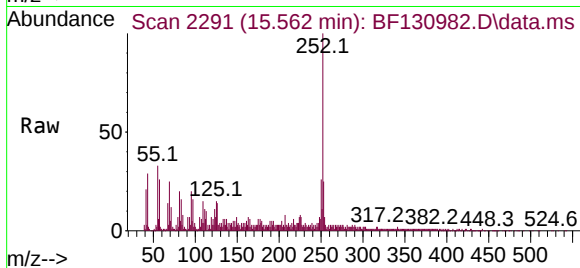
Tgt Ion:252 Resp: 80234

Ion Ratio Lower Upper

252 100

253 25.0 16.8 25.2

125 14.8 8.3 12.5#



#91

Dibenzo(a,h)anthracene

Concen: 2.227 ng

RT: 17.186 min Scan# 2567

Delta R.T. 0.023 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

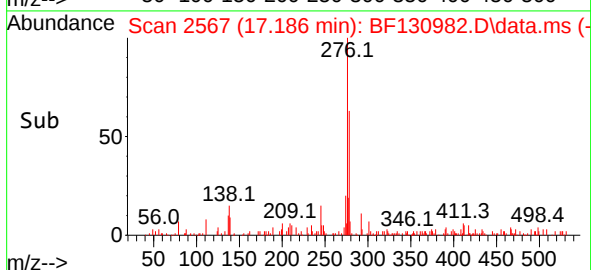
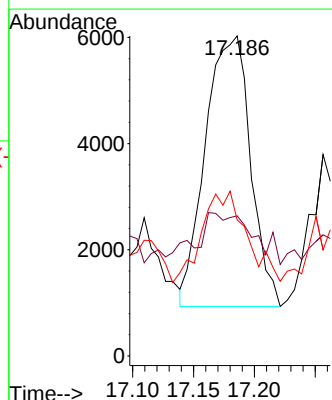
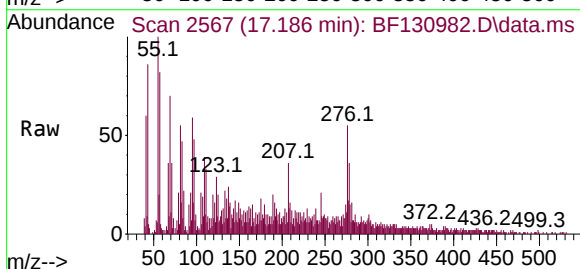
Tgt Ion:278 Resp: 13076

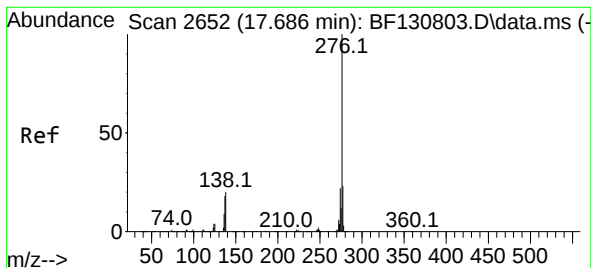
Ion Ratio Lower Upper

278 100

139 43.8 11.9 17.9#

279 42.5 18.6 28.0#





#92

Benzo(g,h,i)perylene

Concen: 7.476 ng

RT: 17.639 min Scan# 20

Delta R.T. 0.029 min

Lab File: BF130982.D

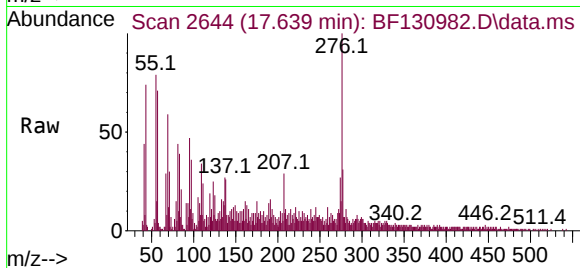
Acq: 04 Nov 2022 03:11

Instrument :

BNA_F

ClientSampleId :

CC-1



Tgt Ion:276 Resp: 44778

Ion Ratio Lower Upper

276 100

277 31.2 18.8 28.2#

138 26.3 16.3 24.5#

