

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072423\
 Data File : BF134453.D
 Acq On : 25 Jul 2023 04:12
 Operator : CG\JU
 Sample : 03685-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24152

Quant Time: Jul 25 04:59:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

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

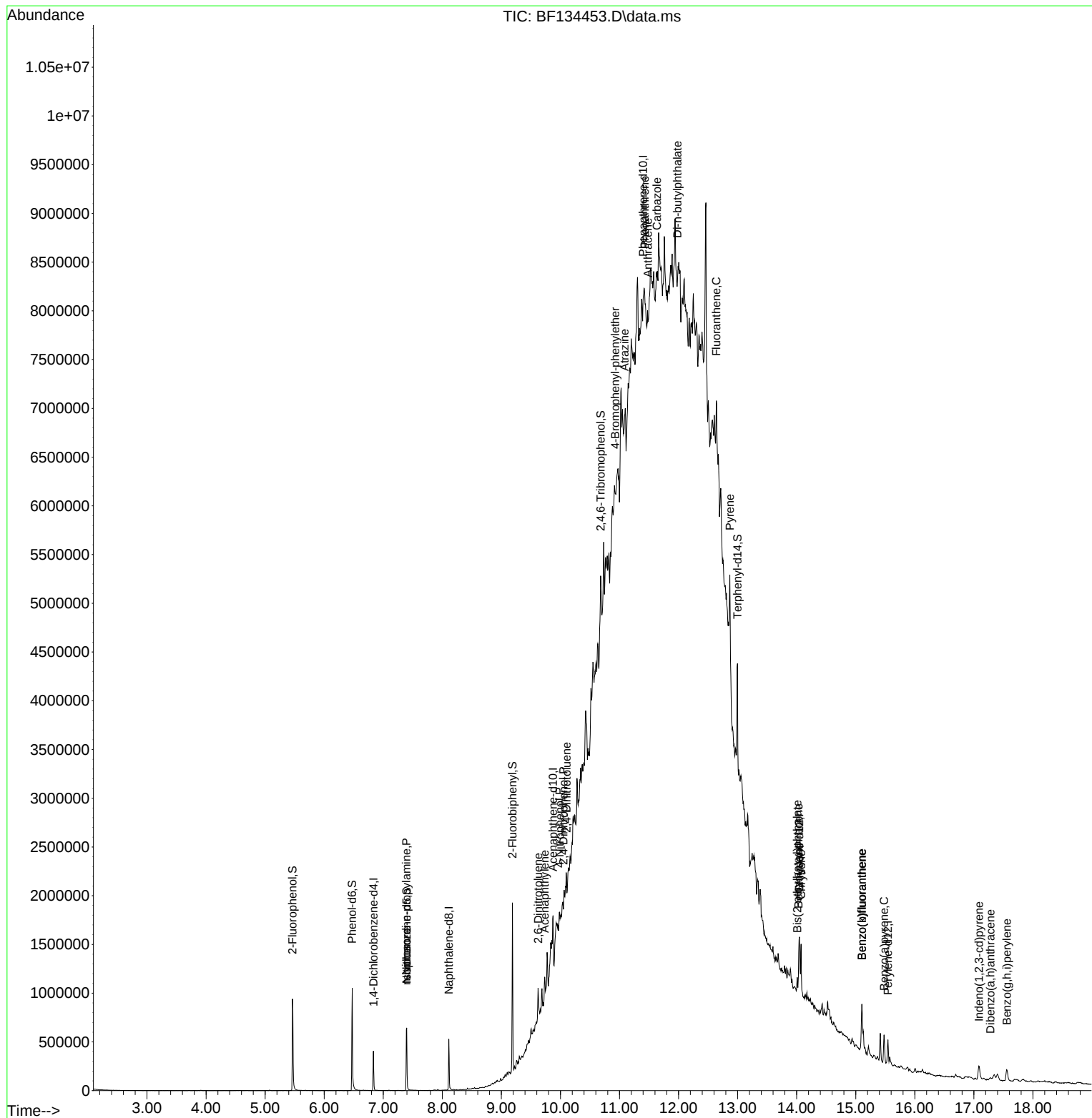
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	55839	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	210660	20.000	ng	# 0.00
39) Acenaphthene-d10	9.874	164	93089	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	134073	20.000	ng	# 0.03
76) Chrysene-d12	14.045	240	131035	20.000	ng	# 0.01
86) Perylene-d12	15.545	264	110097	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	258391	76.454	ng	0.00
7) Phenol-d6	6.475	99	306303	73.972	ng	0.00
23) Nitrobenzene-d5	7.398	82	207203	49.764	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	101684	76.880	ng	0.01
45) 2-Fluorobiphenyl	9.186	172	460964	65.008	ng	0.00
79) Terphenyl-d14	12.998	244	400225	53.318	ng	0.04
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	29142	11.305	ng	# 78
25) Isophorone	7.398	82	207203	29.859	ng	# 65
49) Acenaphthylene	9.733	152	26032	2.724	ng	# 64
51) 2,6-Dinitrotoluene	9.622	165	38301	25.295	ng	# 19
54) 2,4-Dinitrophenol	10.051	184	180	6.777	ng	# 1
56) 4-Nitrophenol	9.986	139	4038	4.362	ng	# 1
57) 2,4-Dinitrotoluene	10.104	165	13574	6.674	ng	# 25
67) 4-Bromophenyl-phenylether	10.927	248	5231	3.561	ng	# 1
69) Atrazine	11.086	200	8279	6.961	ng	# 1
71) Phenanthrene	11.427	178	146930	20.975	ng	# 71
72) Anthracene	11.480	178	31032	4.292	ng	# 7
73) Carbazole	11.633	167	18839	2.767	ng	# 1
74) Di-n-butylphthalate	11.980	149	30480	3.900	ng	# 39
75) Fluoranthene	12.639	202	365797	44.806	ng	94
78) Pyrene	12.868	202	367606	35.283	ng	# 96
81) Benzo(a)anthracene	14.033	228	181942	19.902	ng	97
83) Chrysene	14.074	228	229298	26.223	ng	97
84) Bis(2-ethylhexyl)phtha...	14.010	149	36980	7.294	ng	96
87) Indeno(1,2,3-cd)pyrene	17.086	276	106192	14.764	ng	96
88) Benzo(b)fluoranthene	15.104	252	363503	52.776	ng	# 97
89) Benzo(k)fluoranthene	15.104	252	363503	53.665	ng	99
90) Benzo(a)pyrene	15.480	252	137115	21.537	ng	# 96
91) Dibenzo(a,h)anthracene	17.280	278	16599	2.858	ng	96
92) Benzo(g,h,i)perylene	17.556	276	105678	17.718	ng	97

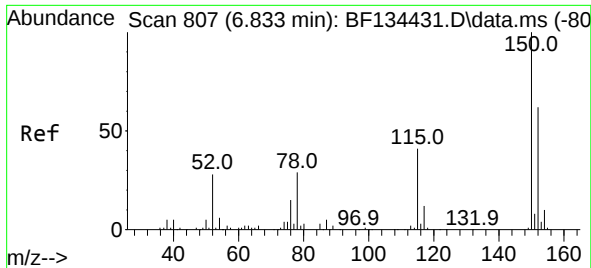
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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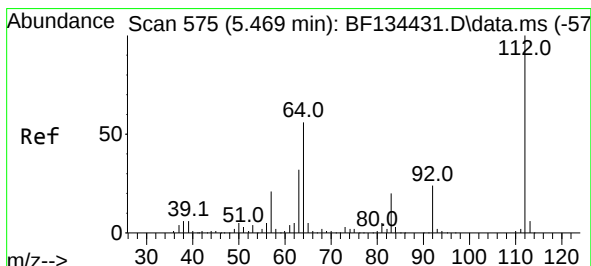
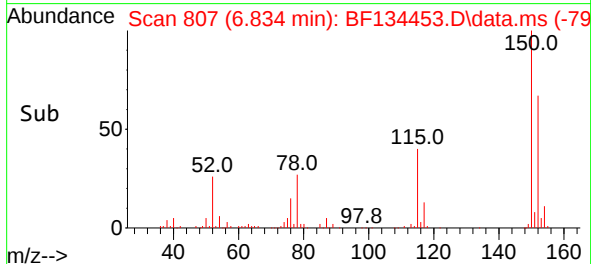
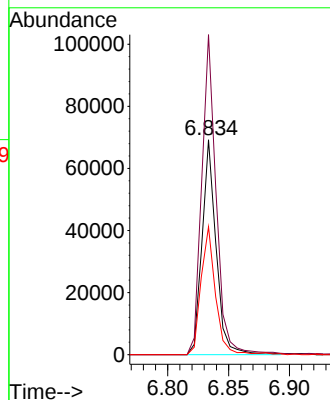
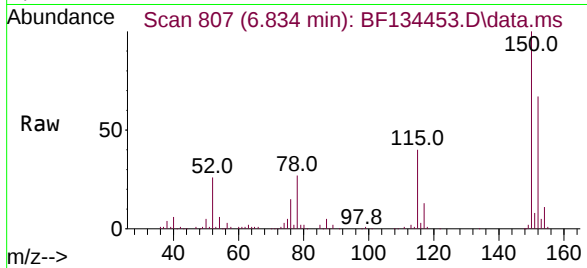




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. 0.001 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

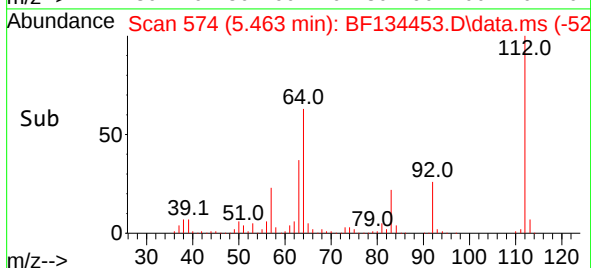
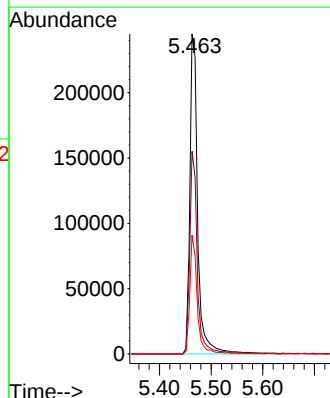
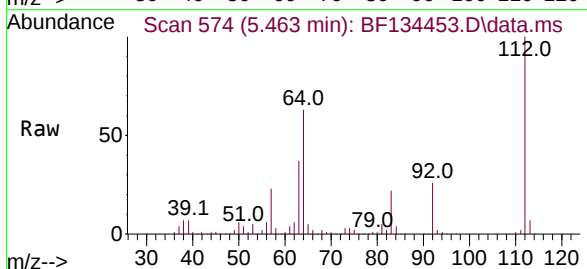
Instrument :
BNA_F
ClientSampleId :
CHRT-24152

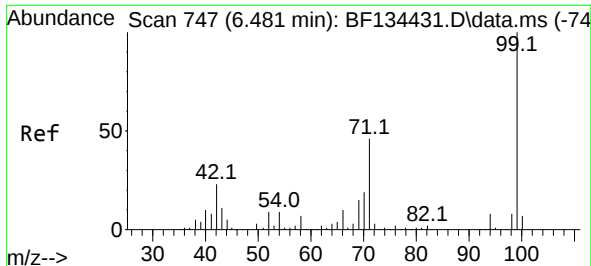
Tgt Ion:152 Resp: 55839
Ion Ratio Lower Upper
152 100
150 148.9 128.3 192.5
115 59.5 52.4 78.6



#5
2-Fluorophenol
Concen: 76.454 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.006 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Tgt Ion:112 Resp: 258391
Ion Ratio Lower Upper
112 100
64 63.4 44.9 67.3
63 37.1 25.4 38.0

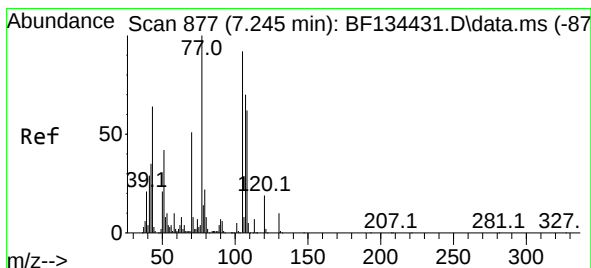
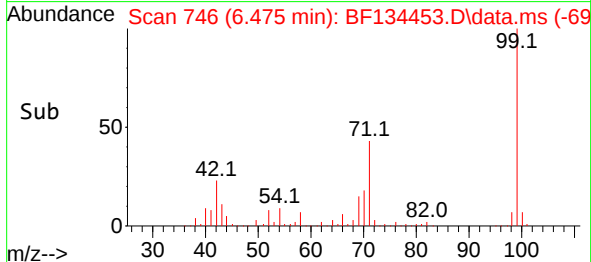
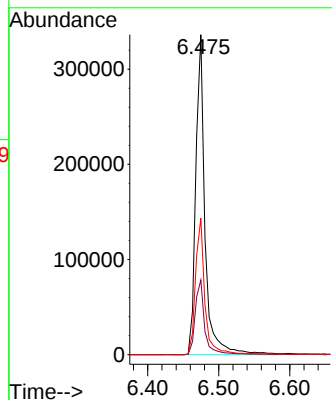
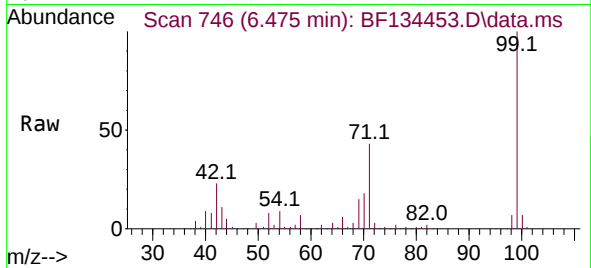




#7
Phenol-d6
Concen: 73.972 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

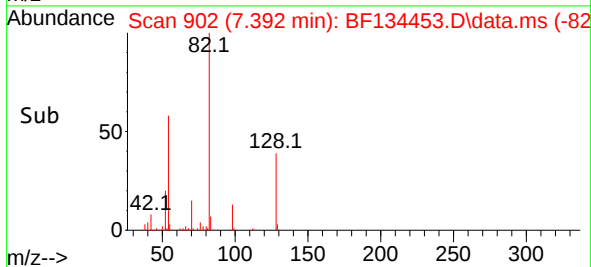
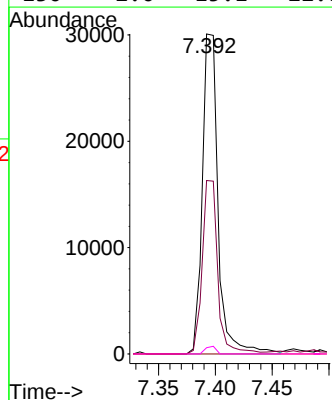
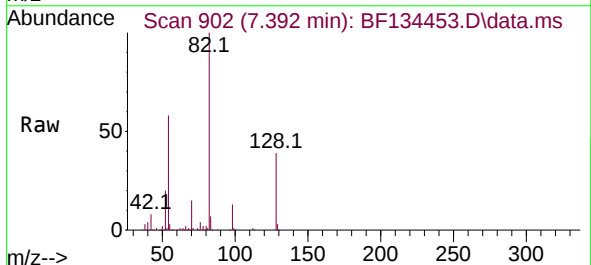
Instrument :
BNA_F
ClientSampleId :
CHRT-24152

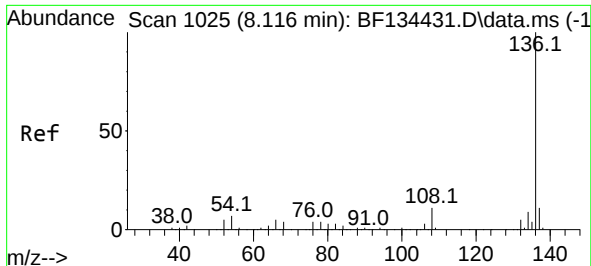
Tgt Ion: 99 Resp: 306303
Ion Ratio Lower Upper
99 100
42 23.4 18.7 28.1
71 42.7 36.4 54.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.305 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.147 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Tgt Ion: 70 Resp: 29142
Ion Ratio Lower Upper
70 100
42 54.2 54.7 82.1#
101 0.0 8.2 12.2#
130 2.0 15.1 22.7#

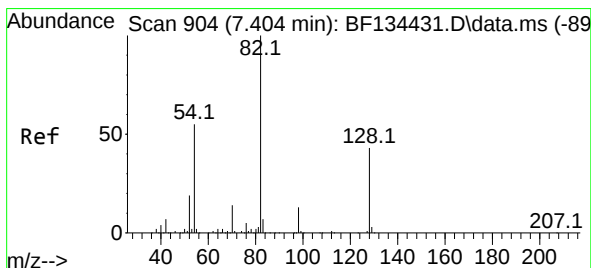
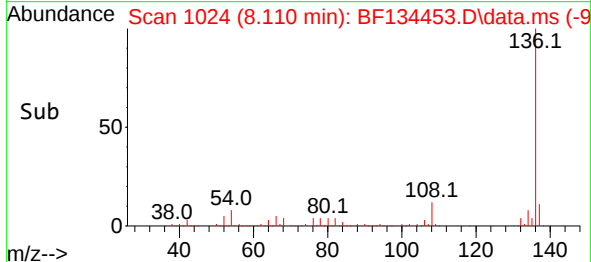
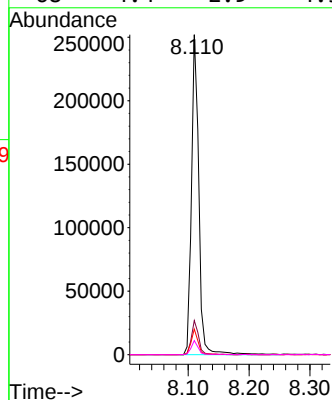
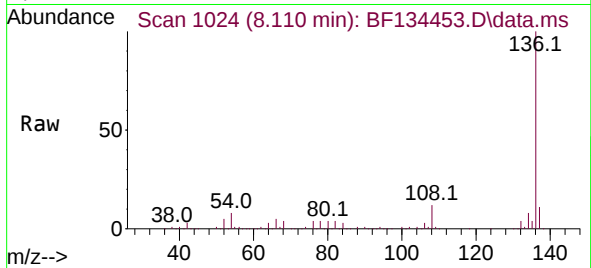




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

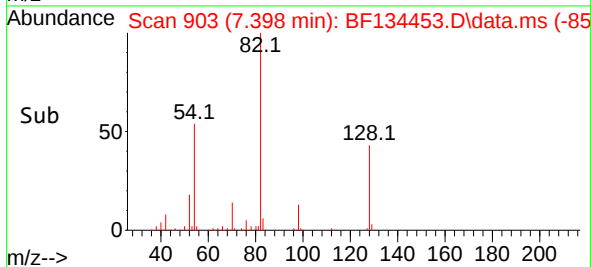
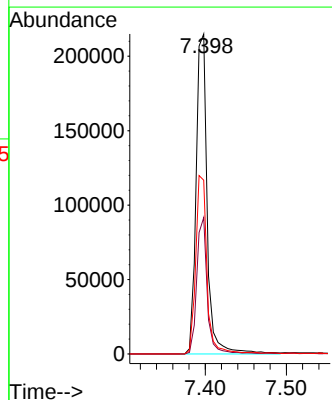
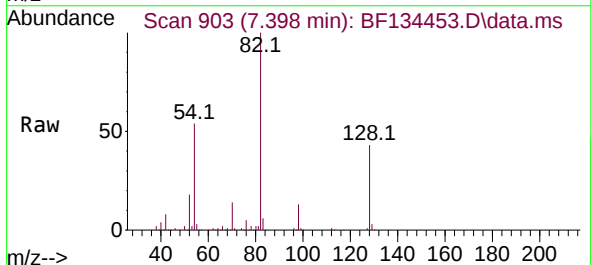
Instrument :
BNA_F
ClientSampleId :
CHRT-24152

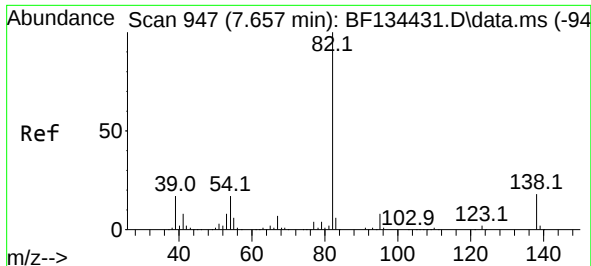
Tgt Ion:136 Resp: 210660
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 8.0 5.2 7.8#
68 4.4 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 49.764 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Tgt Ion: 82 Resp: 207203
Ion Ratio Lower Upper
82 100
128 42.6 34.3 51.5
54 54.3 43.8 65.6

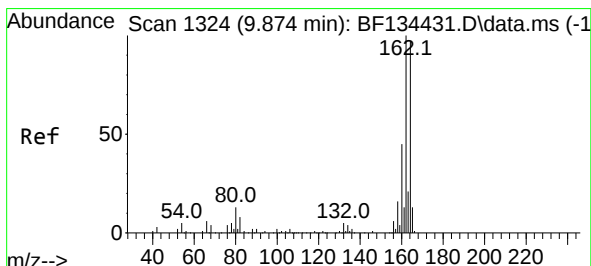
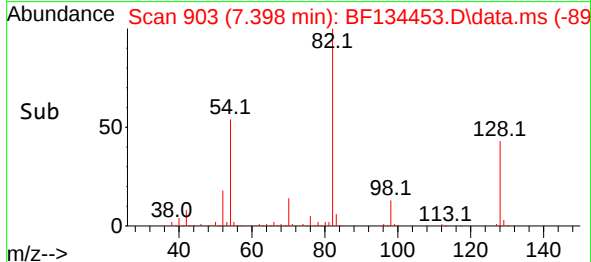
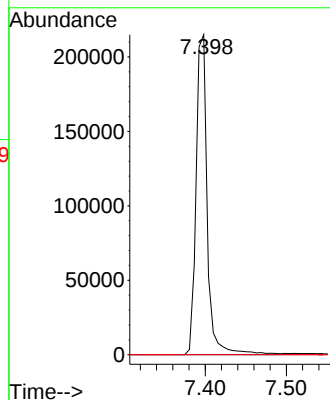
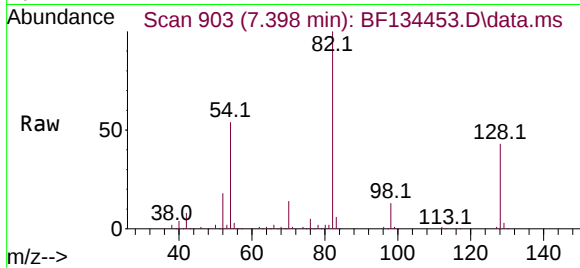




#25
Isophorone
Concen: 29.859 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

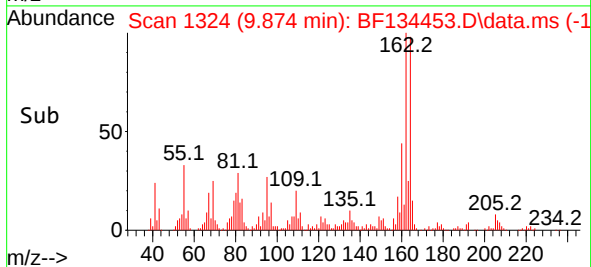
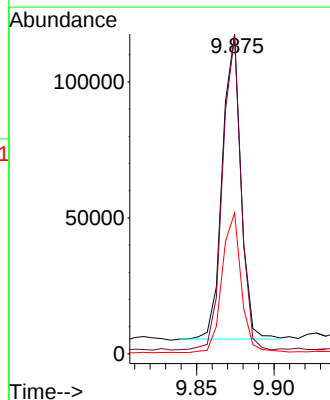
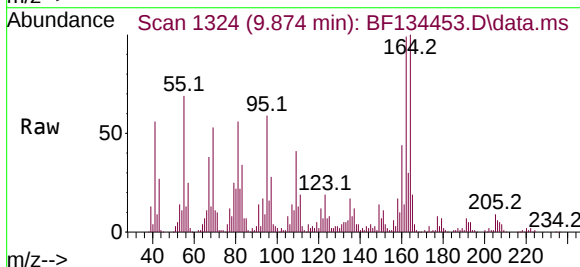
Instrument :
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ClientSampleId :
CHRT-24152

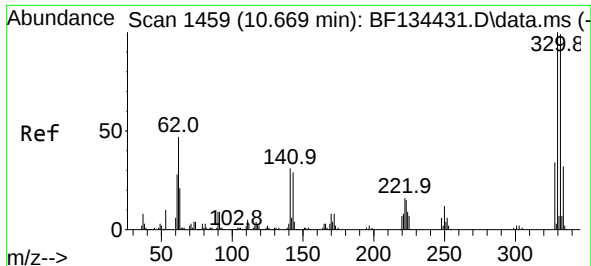
Tgt Ion: 82 Resp: 207203
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Tgt Ion:164 Resp: 93089
Ion Ratio Lower Upper
164 100
162 99.2 82.6 123.8
160 44.1 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 76.880 ng

RT: 10.680 min Scan# 1459

Delta R.T. 0.012 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152

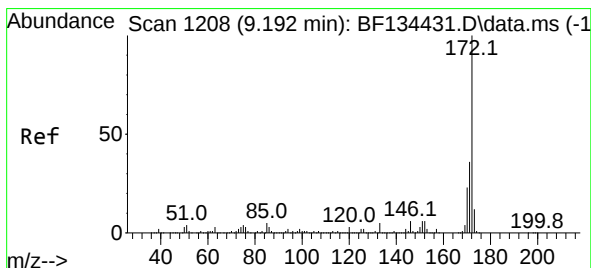
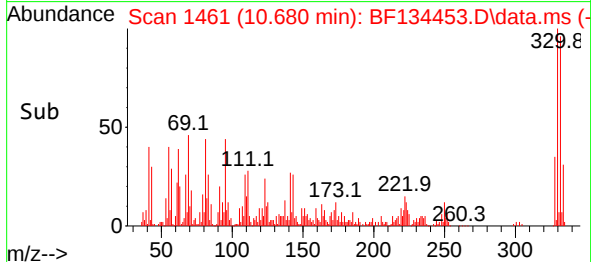
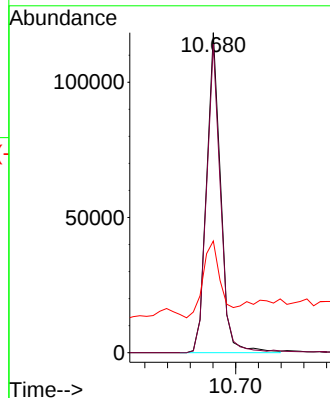
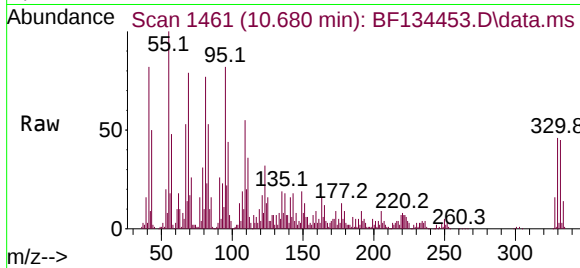
Tgt Ion:330 Resp: 101684

Ion Ratio Lower Upper

330 100

332 95.7 78.8 118.2

141 29.6 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 65.008 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

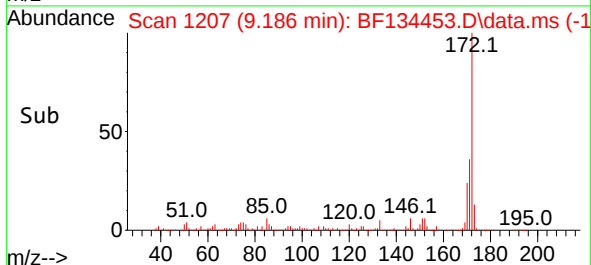
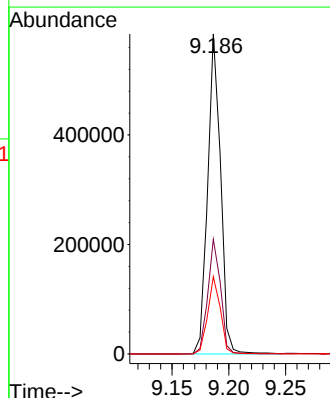
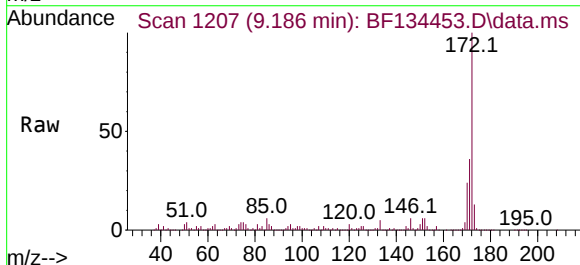
Tgt Ion:172 Resp: 460964

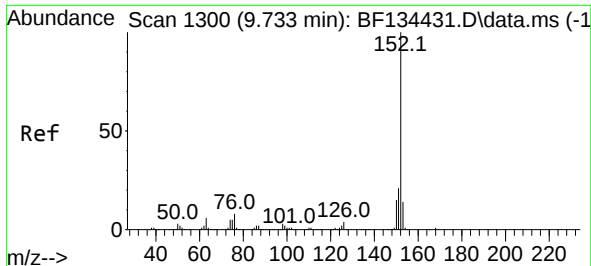
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 24.1 18.7 28.1





#49

Acenaphthylene

Concen: 2.724 ng

RT: 9.733 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

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BNA_F

ClientSampleId :

CHRT-24152

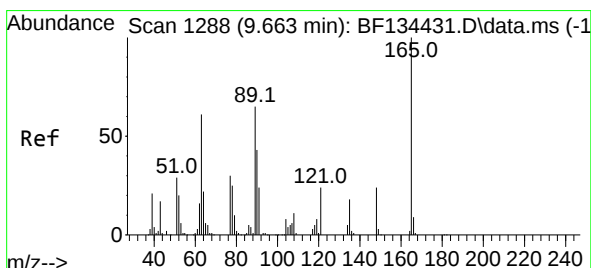
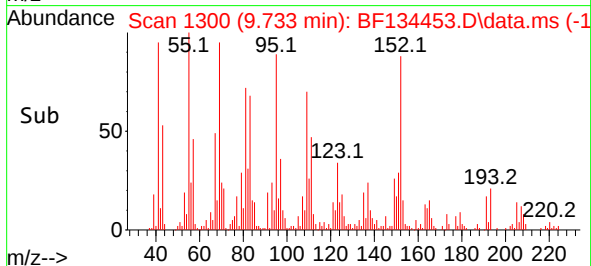
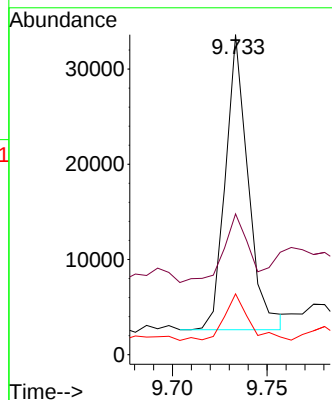
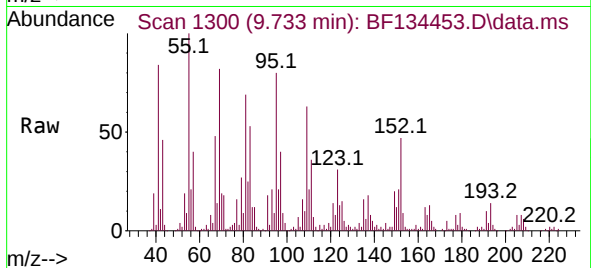
Tgt Ion:152 Resp: 26032

Ion Ratio Lower Upper

152 100

151 44.0 16.4 24.6#

153 19.0 10.9 16.3#



#51

2,6-Dinitrotoluene

Concen: 25.295 ng

RT: 9.622 min Scan# 1281

Delta R.T. -0.041 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

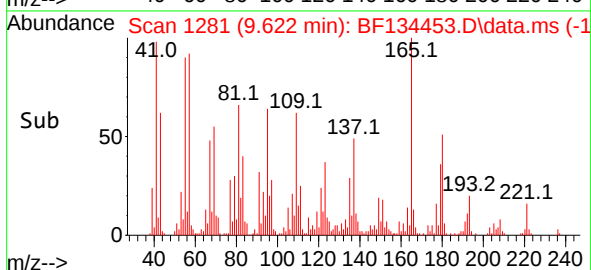
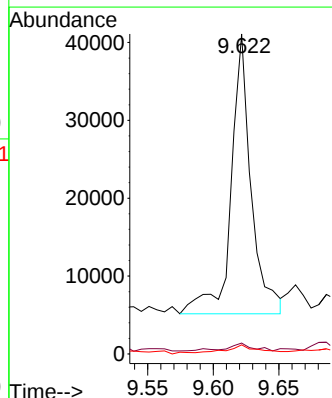
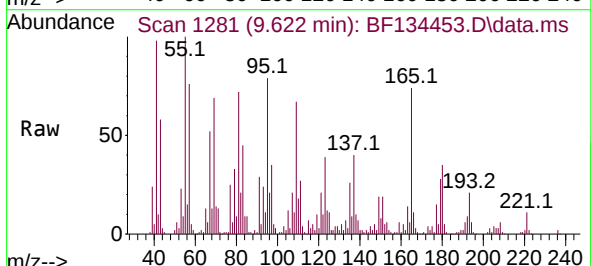
Tgt Ion:165 Resp: 38301

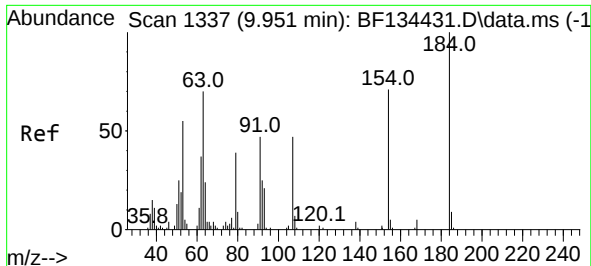
Ion Ratio Lower Upper

165 100

63 3.4 57.8 86.6#

89 2.8 51.8 77.8#

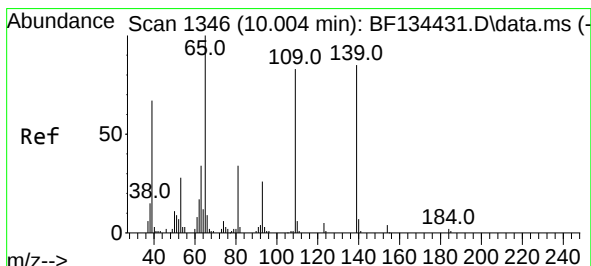
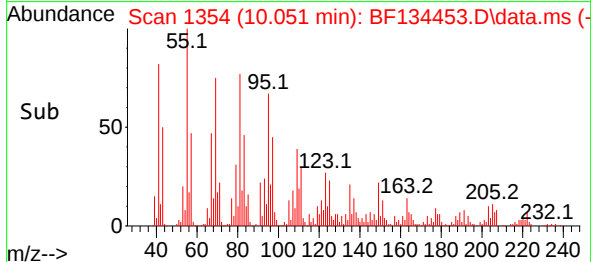
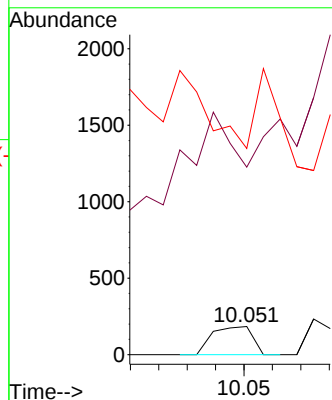
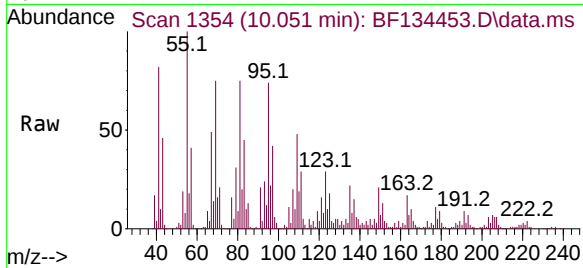




#54
2,4-Dinitrophenol
Concen: 6.777 ng
RT: 10.051 min Scan# 11
Delta R.T. 0.100 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

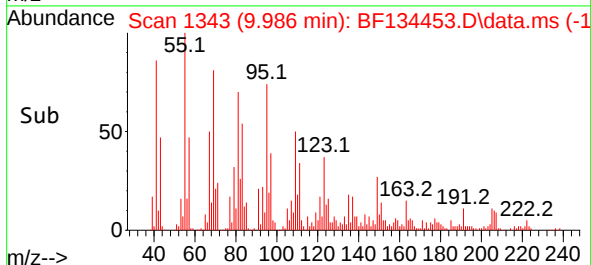
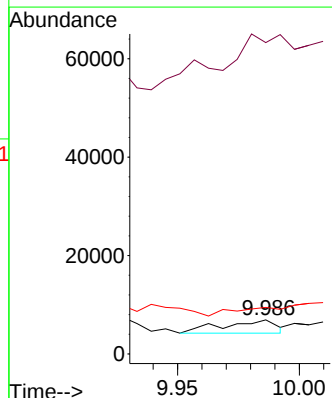
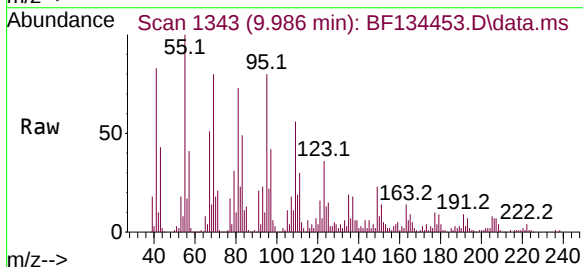
Instrument :
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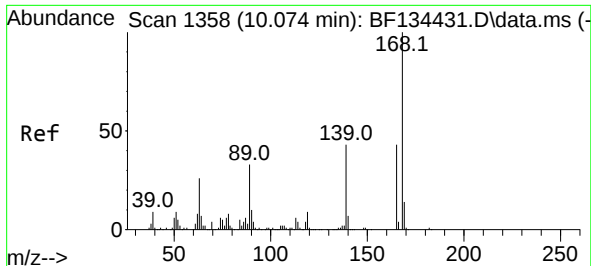
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Ion Ratio Lower Upper
184 100
63 666.3 57.1 85.7#
154 732.6 59.1 88.7#



#56
4-Nitrophenol
Concen: 4.362 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.018 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Tgt Ion:139 Resp: 4038
Ion Ratio Lower Upper
139 100
109 915.0 76.9 116.9#
65 136.8 98.5 138.5

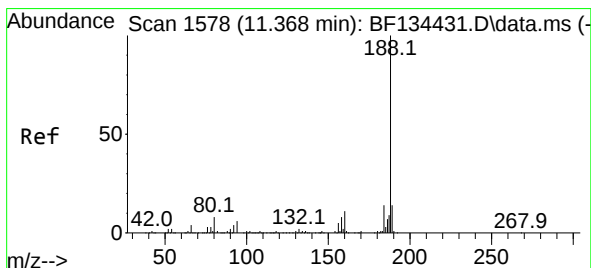
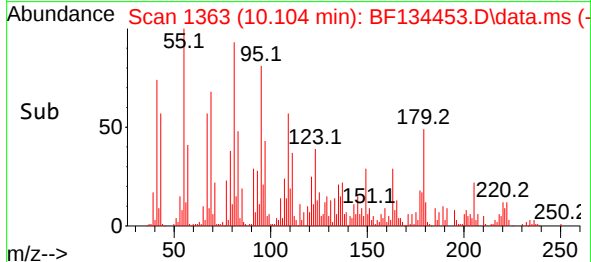
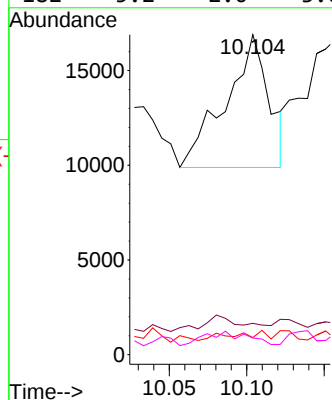
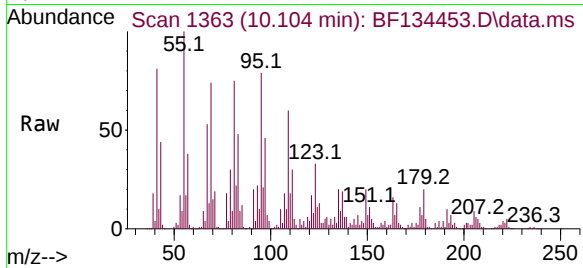




#57
2,4-Dinitrotoluene
Concen: 6.674 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.029 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

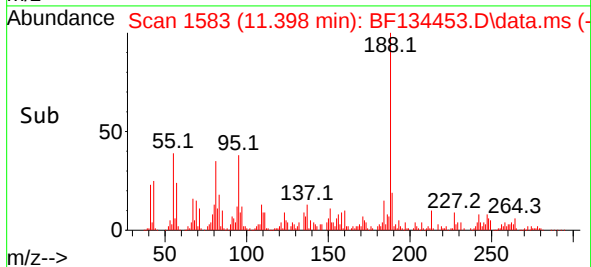
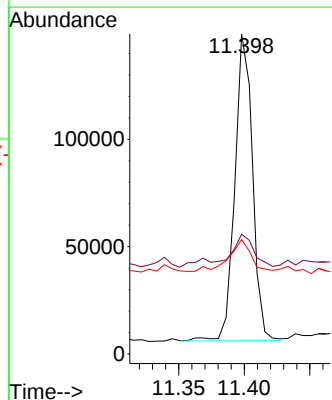
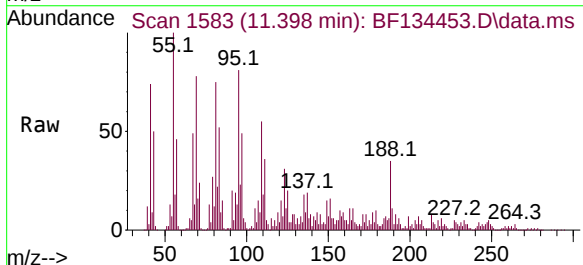
Instrument :
BNA_F
ClientSampleId :
CHRT-24152

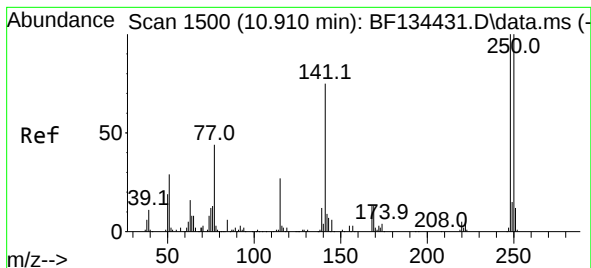
Tgt Ion:165 Resp: 13574
Ion Ratio Lower Upper
165 100
63 9.8 48.9 73.3#
89 5.4 61.7 92.5#
182 5.2 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.029 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Tgt Ion:188 Resp: 134073
Ion Ratio Lower Upper
188 100
94 37.4 5.1 7.7#
80 35.7 6.6 9.8#

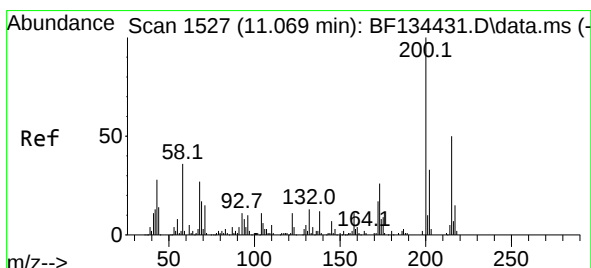
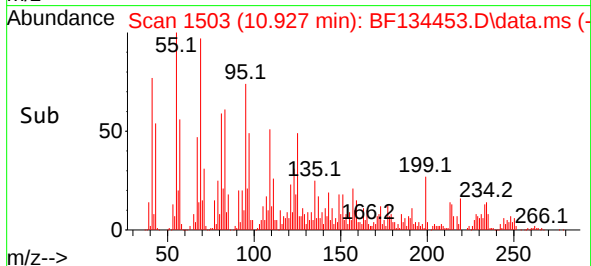
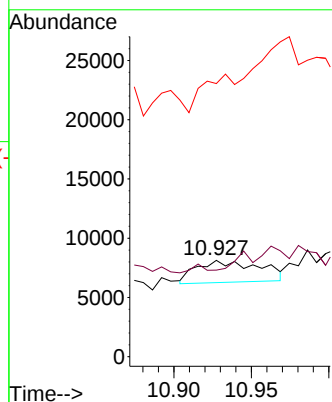
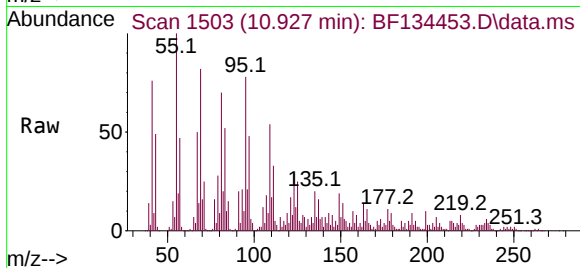




#67
4-Bromophenyl-phenylether
Concen: 3.561 ng
RT: 10.927 min Scan# 1503
Delta R.T. 0.018 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

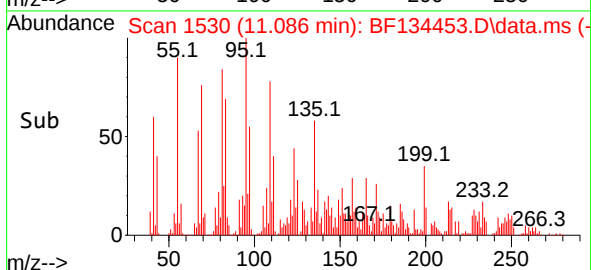
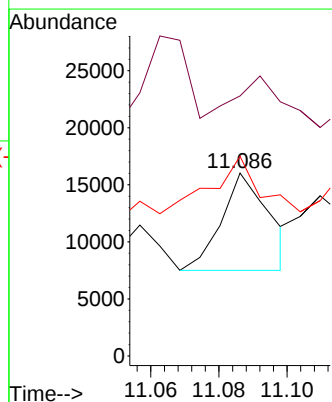
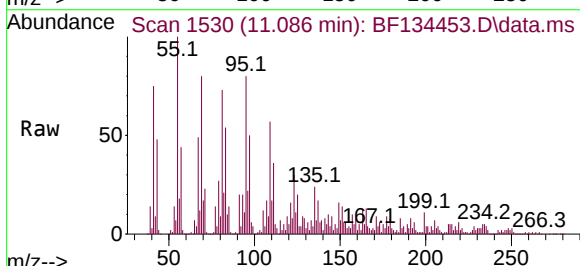
Instrument :
BNA_F
ClientSampleId :
CHRT-24152

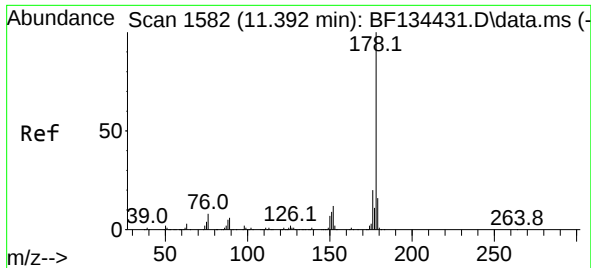
Tgt Ion:248 Resp: 5231
Ion Ratio Lower Upper
248 100
250 89.8 79.6 119.4
141 283.4 59.6 89.4#



#69
Atrazine
Concen: 6.961 ng
RT: 11.086 min Scan# 1530
Delta R.T. 0.018 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Tgt Ion:200 Resp: 8279
Ion Ratio Lower Upper
200 100
173 142.1 6.1 46.1#
215 109.2 29.7 69.7#

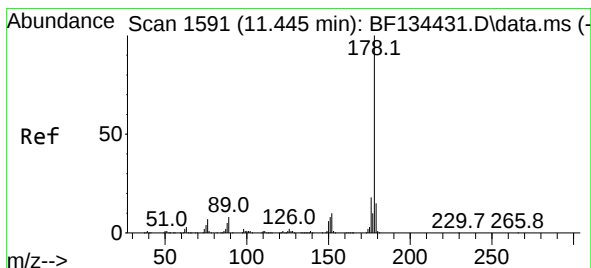
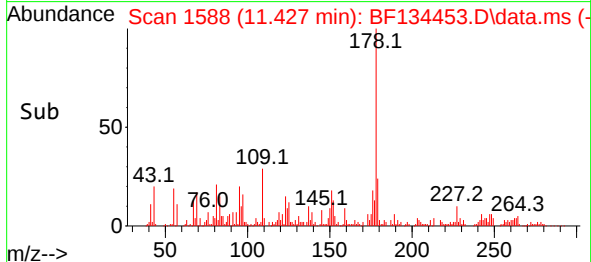
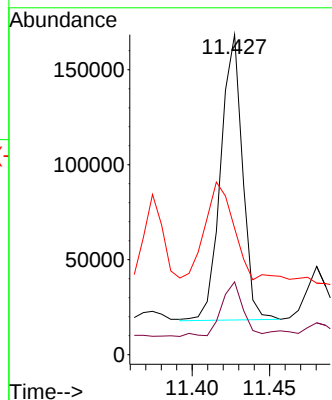
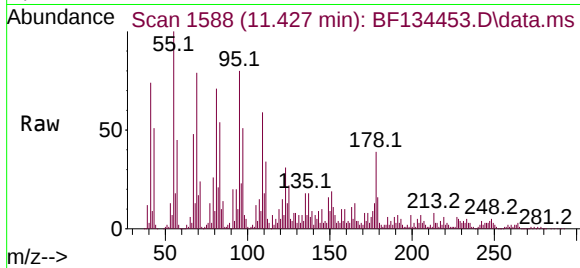




#71
Phenanthrene
Concen: 20.975 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.035 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

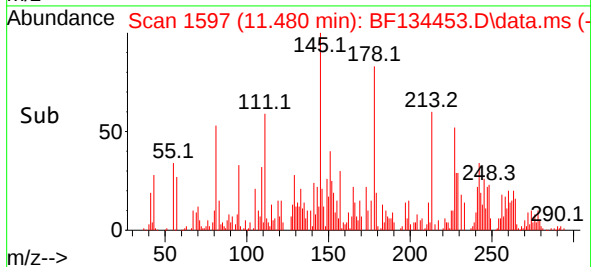
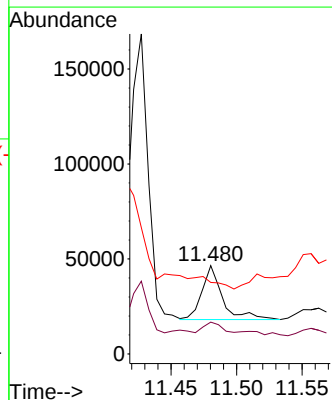
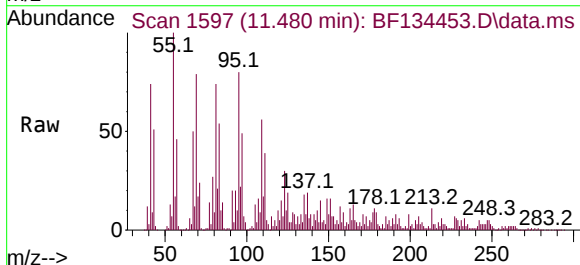
Instrument :
BNA_F
ClientSampleId :
CHRT-24152

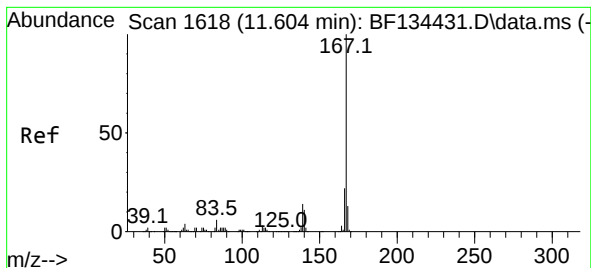
Tgt Ion:178 Resp: 146930
Ion Ratio Lower Upper
178 100
176 22.8 15.8 23.6
179 39.5 12.7 19.1#



#72
Anthracene
Concen: 4.292 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.035 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Tgt Ion:178 Resp: 31032
Ion Ratio Lower Upper
178 100
176 36.1 14.6 21.8#
179 80.9 12.3 18.5#





#73

Carbazole

Concen: 2.767 ng

RT: 11.633 min Scan# 1

Delta R.T. 0.029 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152

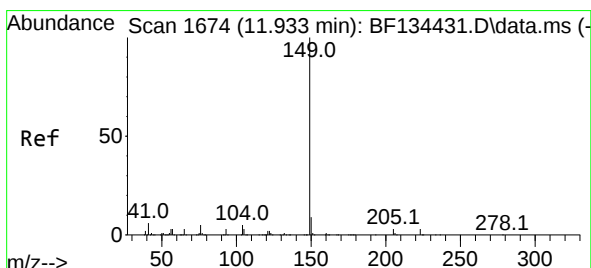
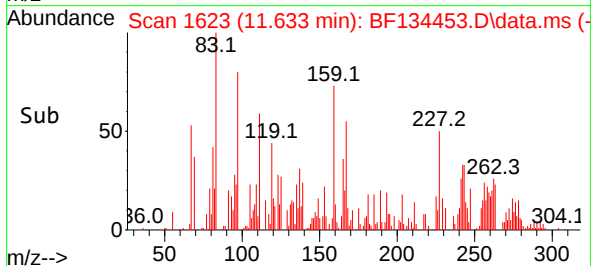
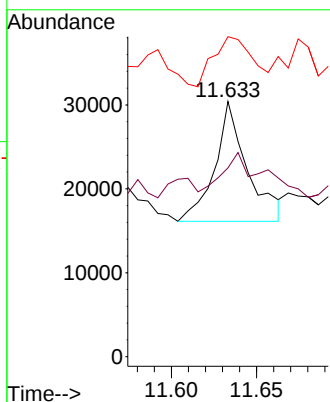
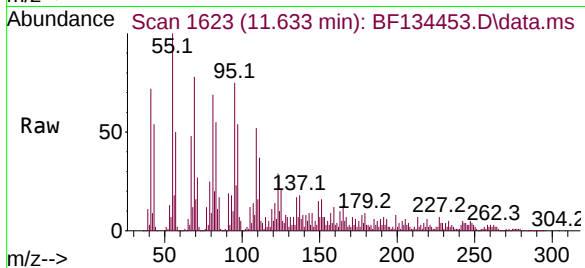
Tgt Ion:167 Resp: 18839

Ion Ratio Lower Upper

167 100

166 74.0 17.5 26.3#

139 125.4 11.0 16.4#



#74

Di-n-butylphthalate

Concen: 3.900 ng

RT: 11.980 min Scan# 1682

Delta R.T. 0.047 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

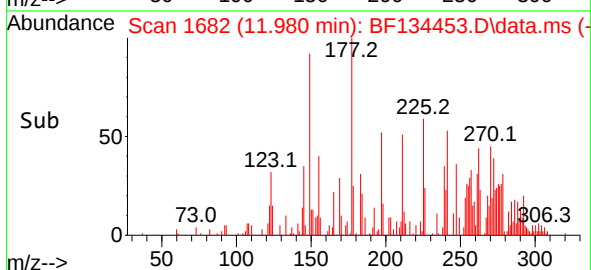
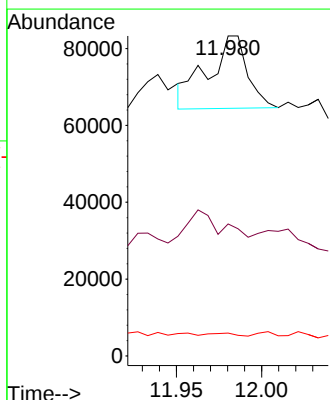
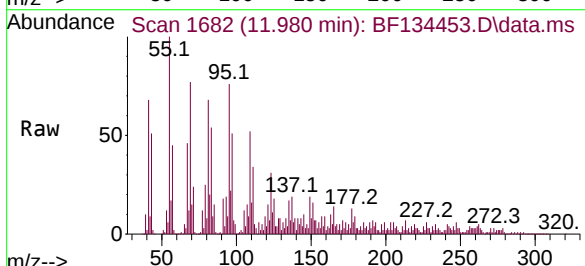
Tgt Ion:149 Resp: 30480

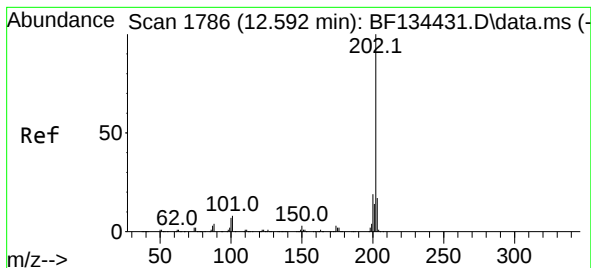
Ion Ratio Lower Upper

149 100

150 41.2 7.2 10.8#

104 7.2 3.8 5.8#





#75

Fluoranthene

Concen: 44.806 ng

RT: 12.639 min Scan# 11

Delta R.T. 0.047 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152

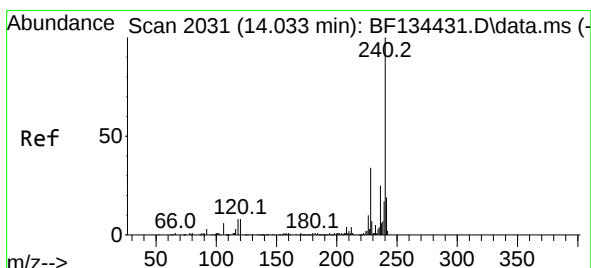
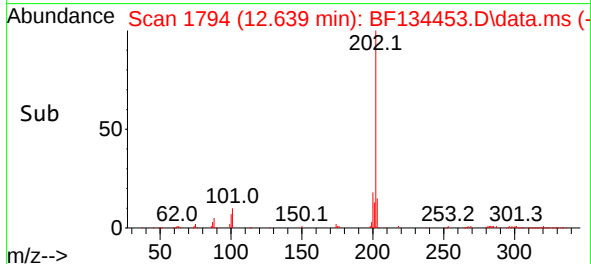
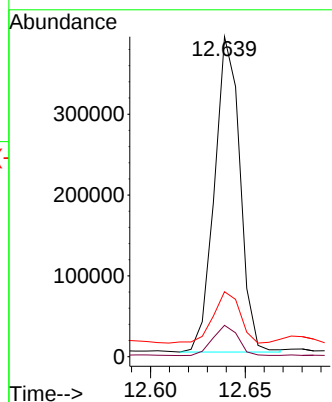
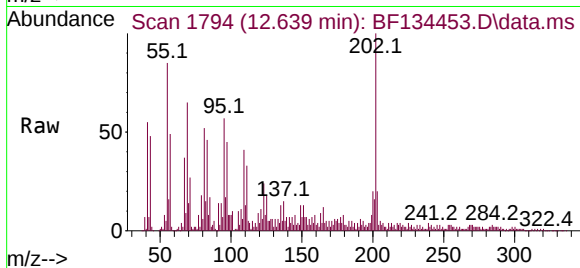
Tgt Ion:202 Resp: 365797

Ion Ratio Lower Upper

202 100

101 9.8 0.0 28.5

203 20.3 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.012 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

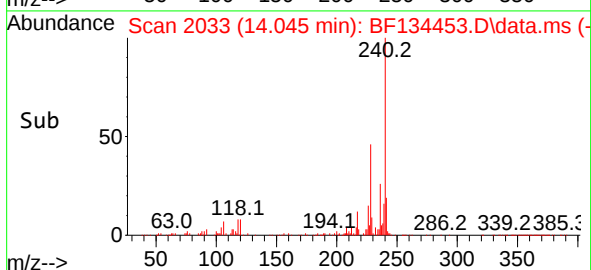
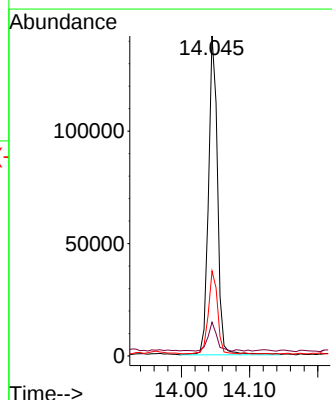
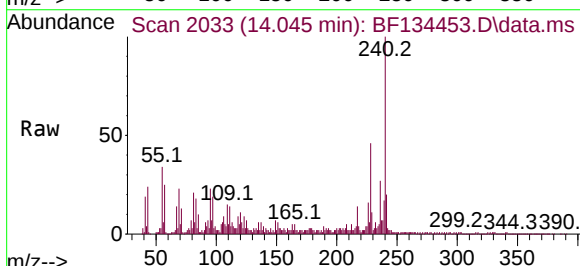
Tgt Ion:240 Resp: 131035

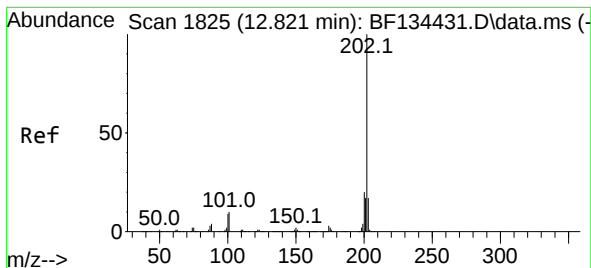
Ion Ratio Lower Upper

240 100

120 10.6 6.6 10.0#

236 26.5 20.2 30.2





#78

Pyrene

Concen: 35.283 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.047 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152

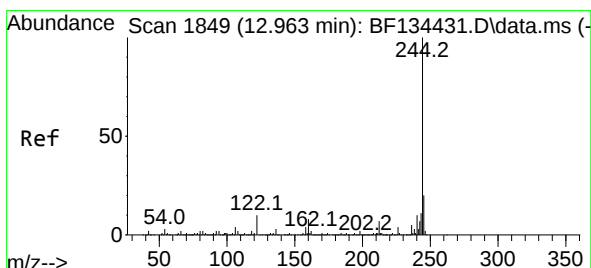
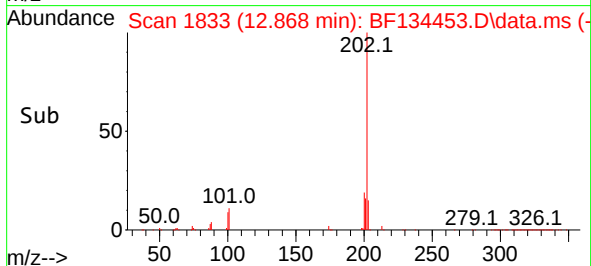
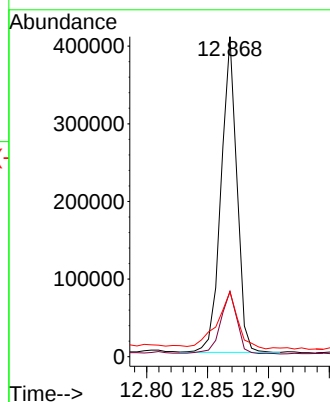
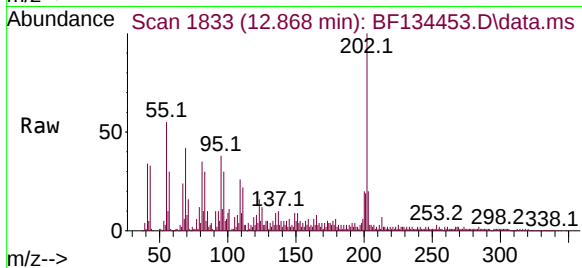
Tgt Ion:202 Resp: 367606

Ion Ratio Lower Upper

202 100

200 20.4 15.8 23.8

203 20.3 13.5 20.3#



#79

Terphenyl-d14

Concen: 53.318 ng

RT: 12.998 min Scan# 1855

Delta R.T. 0.035 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

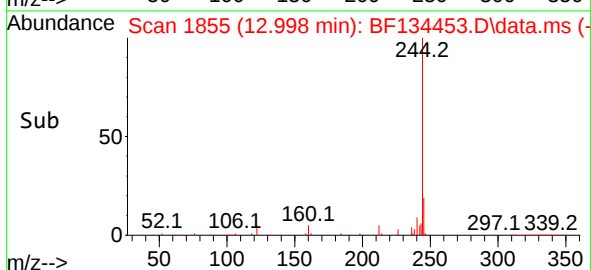
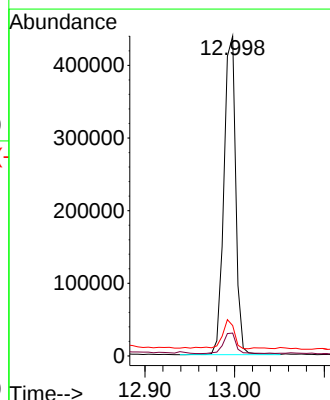
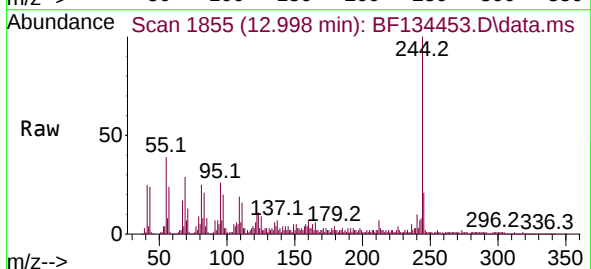
Tgt Ion:244 Resp: 400225

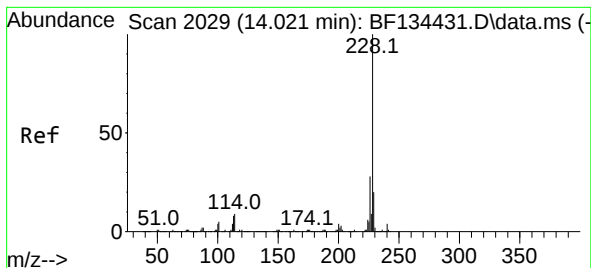
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 9.5 8.0 12.0





#81

Benzo(a)anthracene

Concen: 19.902 ng

RT: 14.033 min Scan# 2029

Delta R.T. 0.012 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152

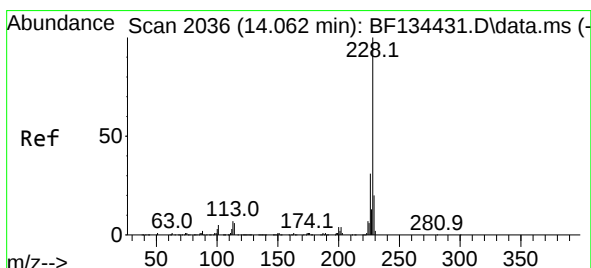
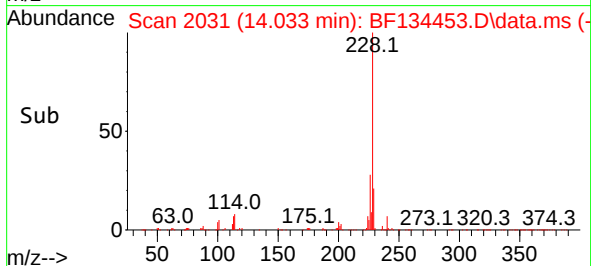
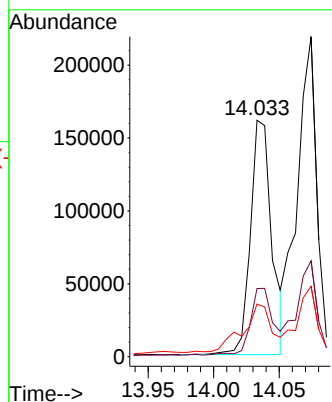
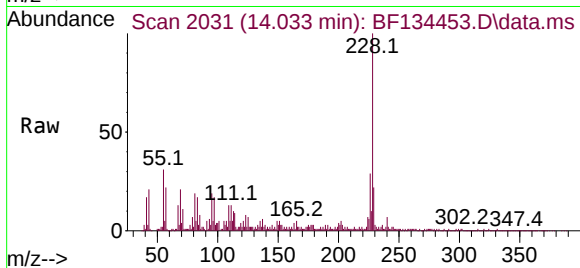
Tgt Ion:228 Resp: 181942

Ion Ratio Lower Upper

228 100

226 28.9 22.3 33.5

229 22.2 15.8 23.6



#83

Chrysene

Concen: 26.223 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.012 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

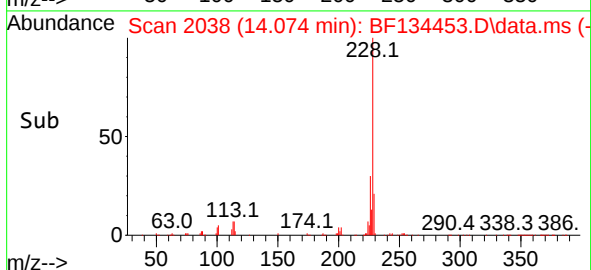
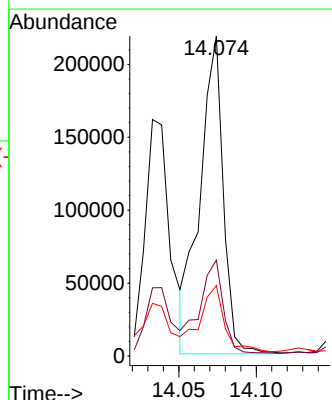
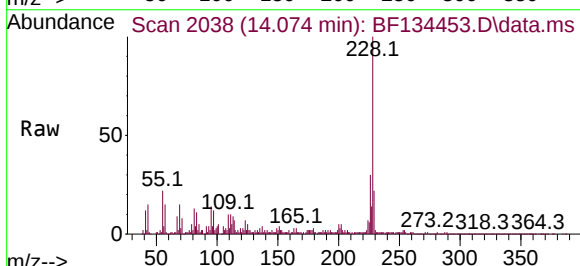
Tgt Ion:228 Resp: 229298

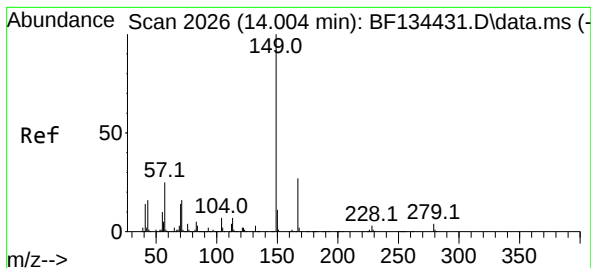
Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

229 22.0 15.8 23.8

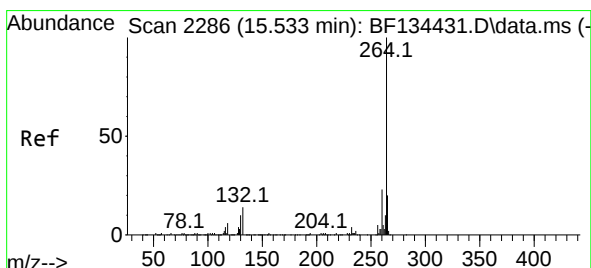
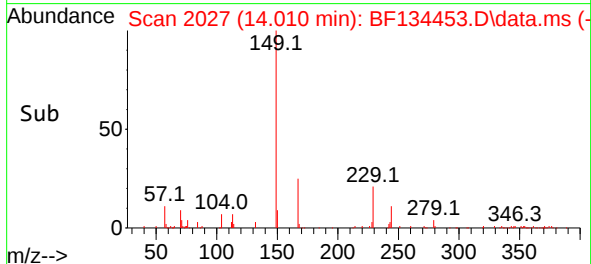
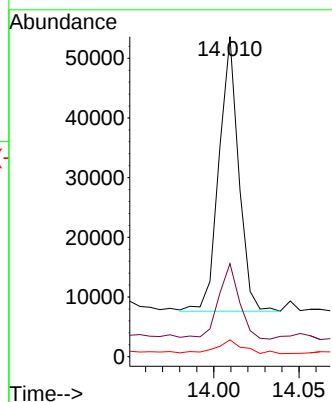
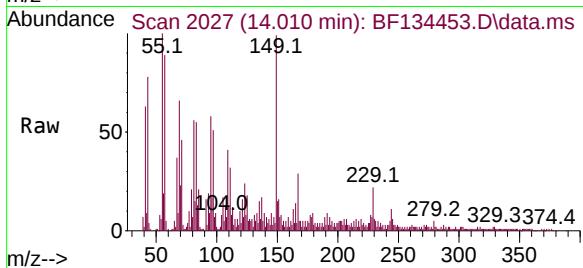




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.294 ng
 RT: 14.010 min Scan# 2026
 Delta R.T. 0.006 min
 Lab File: BF134453.D
 Acq: 25 Jul 2023 04:12

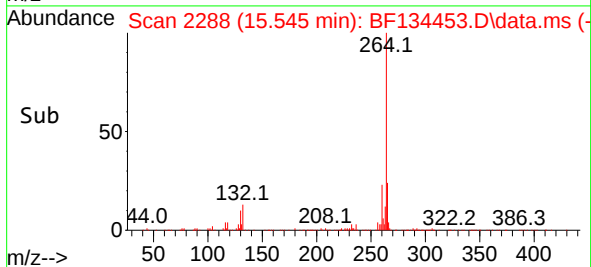
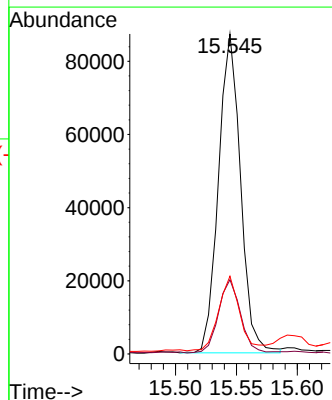
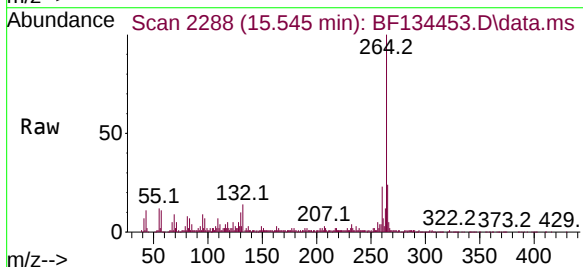
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24152

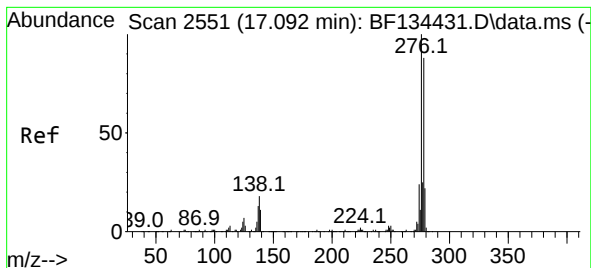
Tgt Ion:149 Resp: 36980
 Ion Ratio Lower Upper
 149 100
 167 29.1 21.6 32.4
 279 5.3 3.5 5.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2286
 Delta R.T. 0.012 min
 Lab File: BF134453.D
 Acq: 25 Jul 2023 04:12

Tgt Ion:264 Resp: 110097
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.4 27.6
 265 24.3 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.764 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152

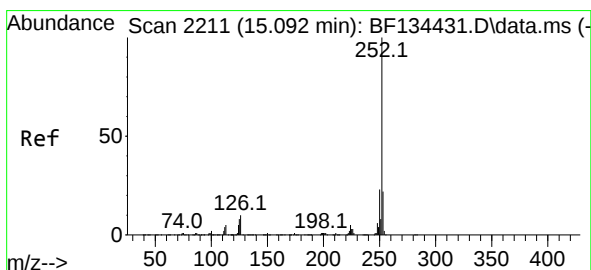
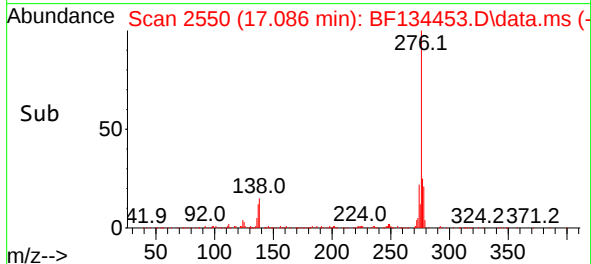
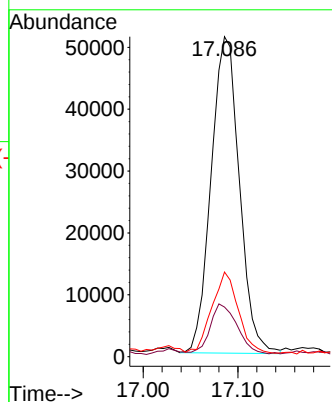
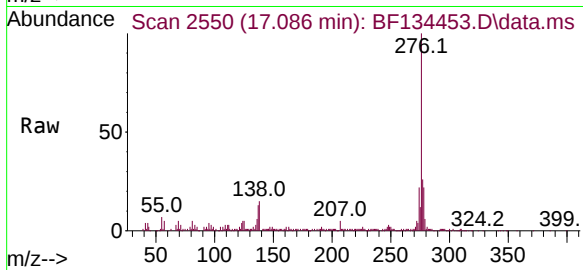
Tgt Ion:276 Resp: 106192

Ion Ratio Lower Upper

276 100

138 14.9 14.2 21.4

277 24.1 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 52.776 ng

RT: 15.104 min Scan# 2213

Delta R.T. 0.012 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

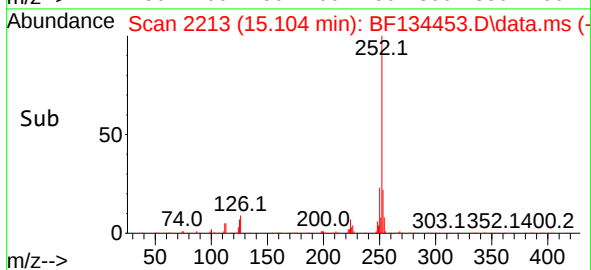
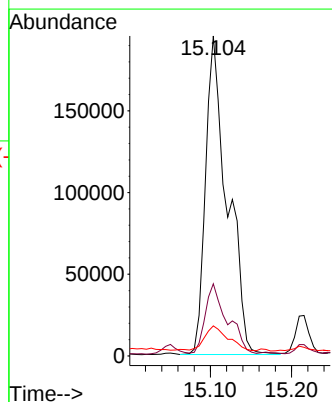
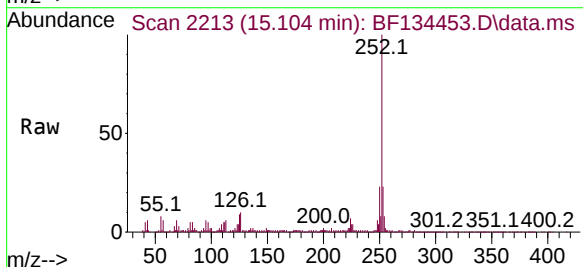
Tgt Ion:252 Resp: 363503

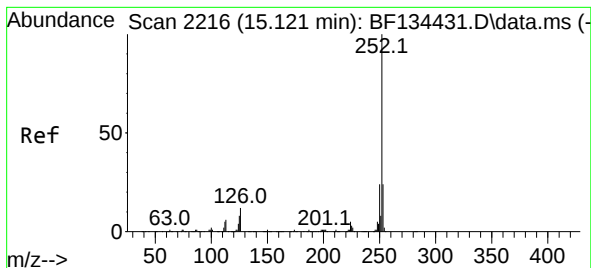
Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 9.4 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 53.665 ng

RT: 15.104 min Scan# 2216

Delta R.T. -0.018 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

Instrument :

BNA_F

ClientSampleId :

CHRT-24152

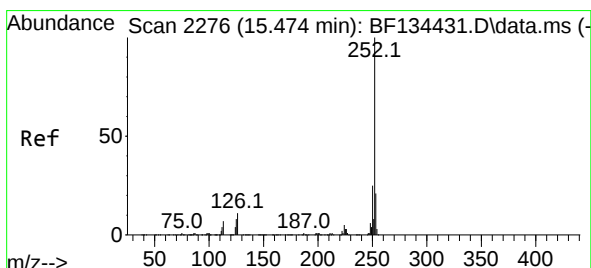
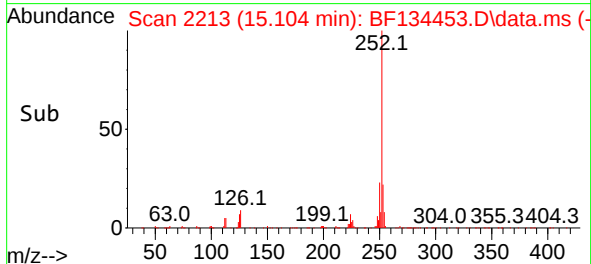
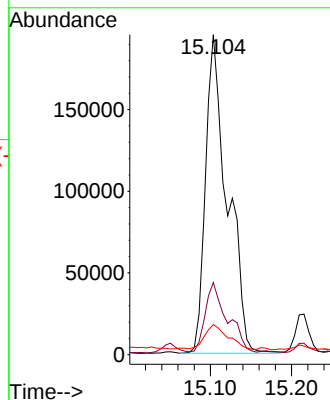
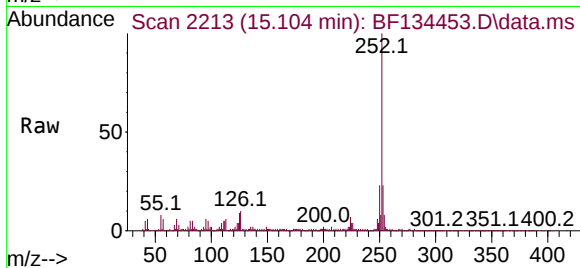
Tgt Ion:252 Resp: 363503

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 9.4 6.3 9.5



#90

Benzo(a)pyrene

Concen: 21.537 ng

RT: 15.480 min Scan# 2277

Delta R.T. 0.006 min

Lab File: BF134453.D

Acq: 25 Jul 2023 04:12

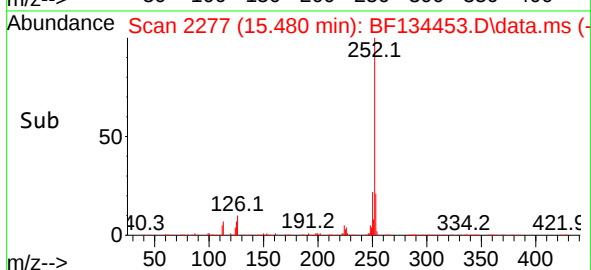
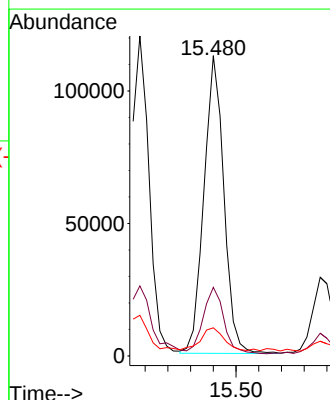
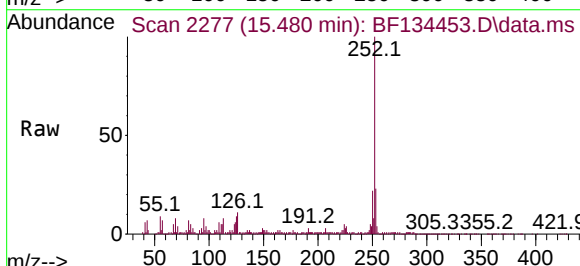
Tgt Ion:252 Resp: 137115

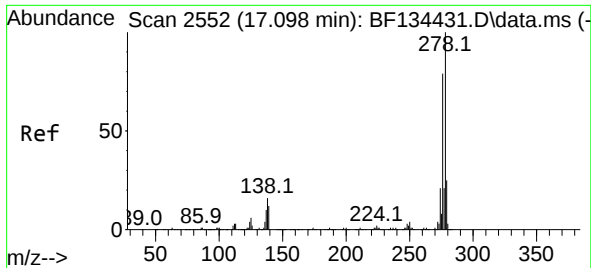
Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 9.4 6.2 9.4#

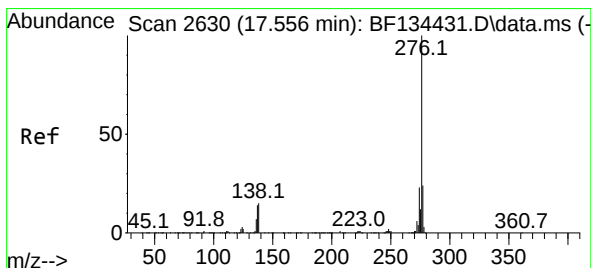
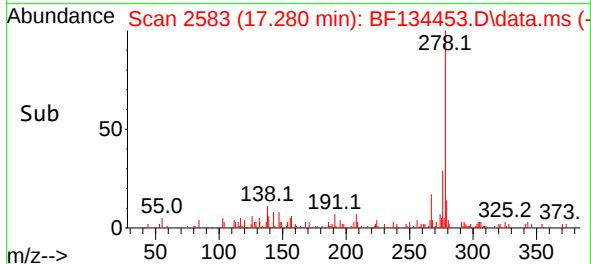
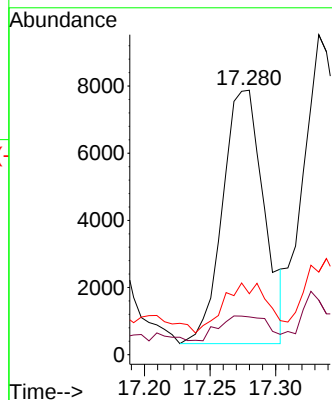
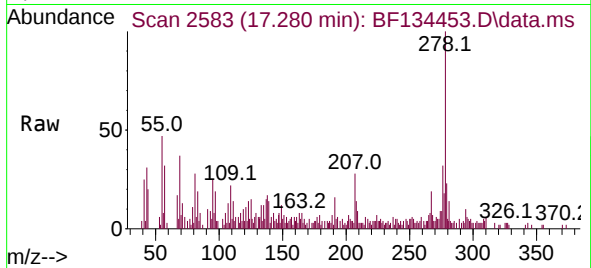




#91
Dibenzo(a,h)anthracene
Concen: 2.858 ng
RT: 17.280 min Scan# 21
Delta R.T. 0.182 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Instrument :
BNA_F
ClientSampleId :
CHRT-24152

Tgt Ion:278 Resp: 16599
Ion Ratio Lower Upper
278 100
139 14.3 10.0 15.0
279 23.1 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 17.718 ng
RT: 17.556 min Scan# 2630
Delta R.T. 0.000 min
Lab File: BF134453.D
Acq: 25 Jul 2023 04:12

Tgt Ion:276 Resp: 105678
Ion Ratio Lower Upper
276 100
277 23.5 19.0 28.6
138 12.8 12.2 18.2

