

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121924\
 Data File : BF140938.D
 Acq On : 19 Dec 2024 20:26
 Operator : RC/JU
 Sample : P5342-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT26634

Quant Time: Dec 20 00:10:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

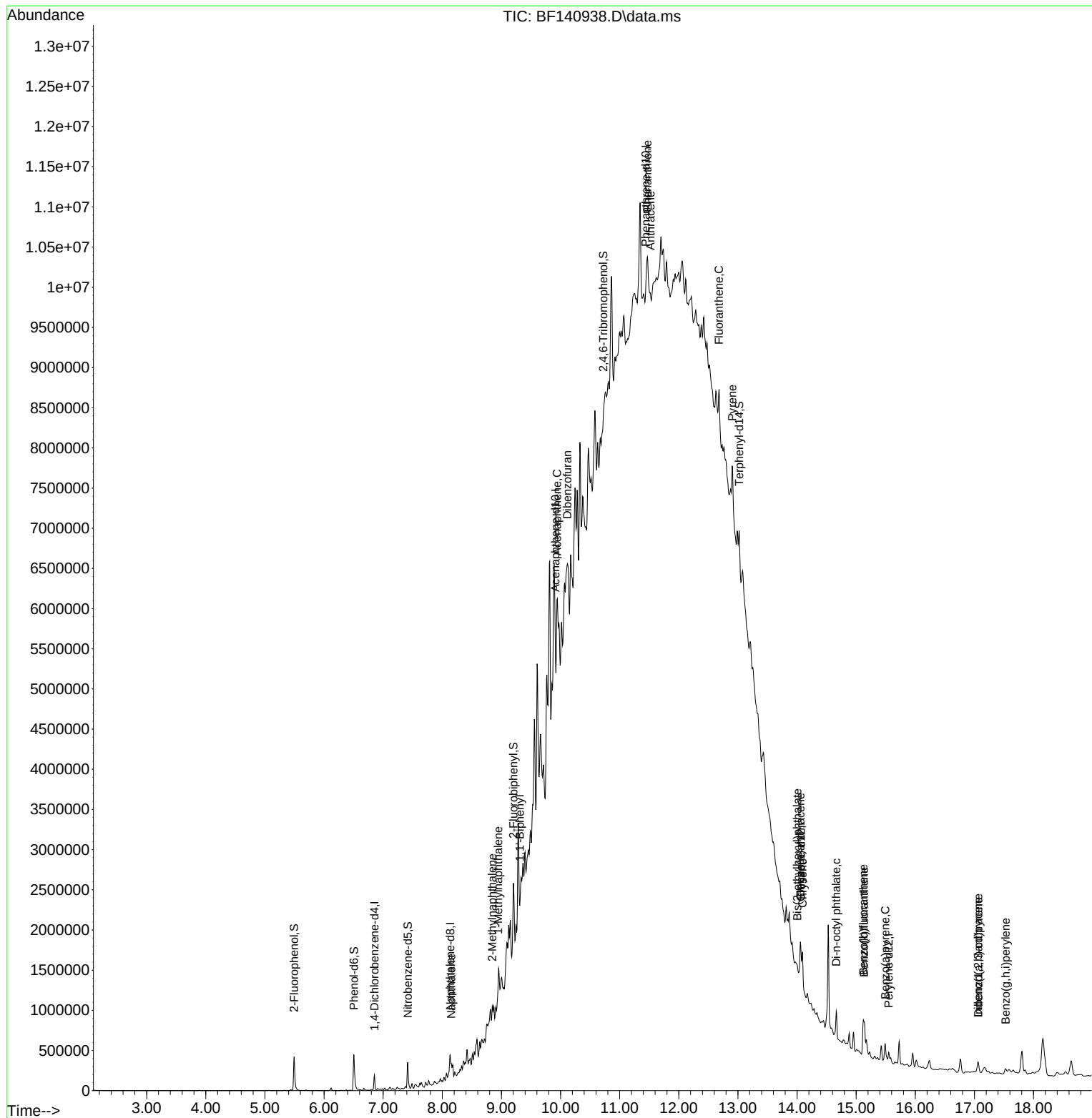
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	41008	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	139314	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	70237	20.000	ng	0.02
64) Phenanthrene-d10	11.439	188	75431	20.000	ng	# 0.06
76) Chrysene-d12	14.063	240	83894	20.000	ng	# 0.03
86) Perylene-d12	15.551	264	75802	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	203426	81.661	ng	0.00
7) Phenol-d6	6.504	99	269625	81.718	ng	0.00
23) Nitrobenzene-d5	7.416	82	149764	53.784	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	58643	70.594	ng	0.04
45) 2-Fluorobiphenyl	9.204	172	271180	53.082	ng	0.00
79) Terphenyl-d14	13.022	244	240149	45.138	ng	0.06
Target Compounds						Qvalue
31) Naphthalene	8.151	128	91548	11.963	ng	99
37) 2-Methylnaphthalene	8.845	142	101887	20.127	ng	100
38) 1-Methylnaphthalene	8.945	142	58975	11.780	ng	96
46) 1,1'-Biphenyl	9.310	154	42505	7.610	ng	90
52) Acenaphthene	9.939	154	96937	24.168	ng	# 87
55) Dibenzofuran	10.116	168	130350	20.973	ng	# 76
71) Phenanthrene	11.469	178	407551	105.066	ng	# 78
72) Anthracene	11.522	178	82036	21.475	ng	# 35
75) Fluoranthene	12.680	202	549341	122.970	ng	92
78) Pyrene	12.904	202	526016	70.508	ng	# 94
81) Benzo(a)anthracene	14.057	228	226344	38.068	ng	96
83) Chrysene	14.092	228	257812	47.683	ng	98
84) Bis(2-ethylhexyl)phtha...	14.004	149	31150	8.801	ng	# 83
85) Di-n-octyl phthalate	14.663	149	49097m	9.169	ng	
87) Indeno(1,2,3-cd)pyrene	17.062	276	74112	15.667	ng	95
88) Benzo(b)fluoranthene	15.121	252	276733m	52.593	ng	
89) Benzo(k)fluoranthene	15.133	252	101083m	22.395	ng	
90) Benzo(a)pyrene	15.492	252	130008	31.554	ng	# 96
91) Dibenzo(a,h)anthracene	17.062	278	18662	4.762	ng	# 81
92) Benzo(g,h,i)perylene	17.527	276	59295	14.867	ng	94

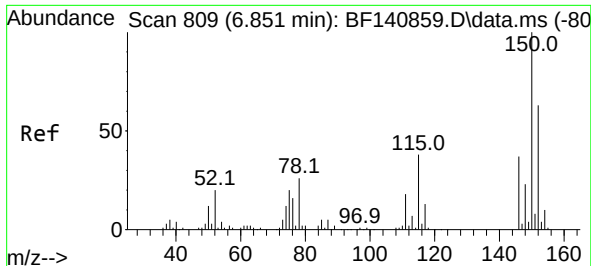
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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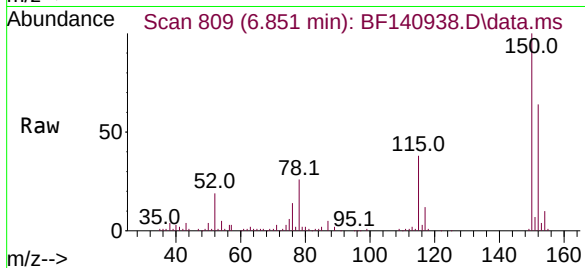
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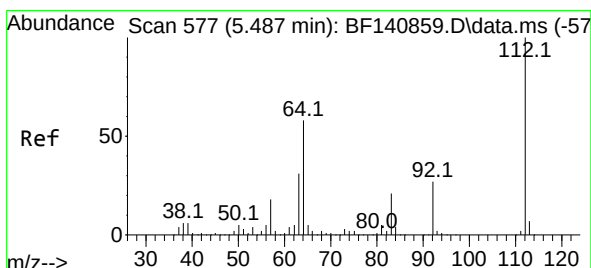
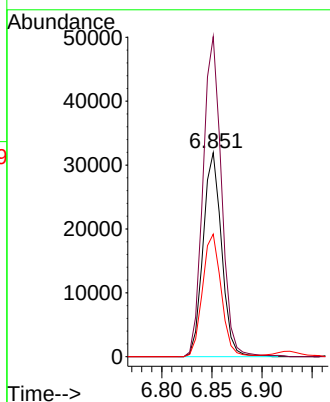
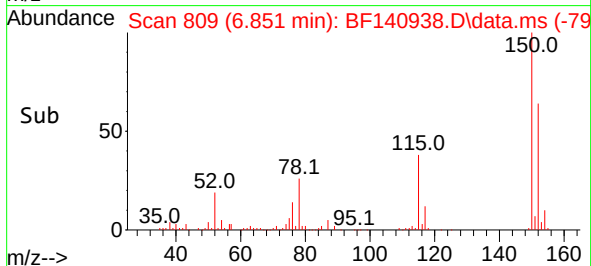


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

Instrument :
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CHRT26634

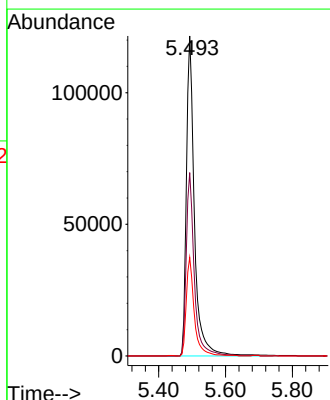
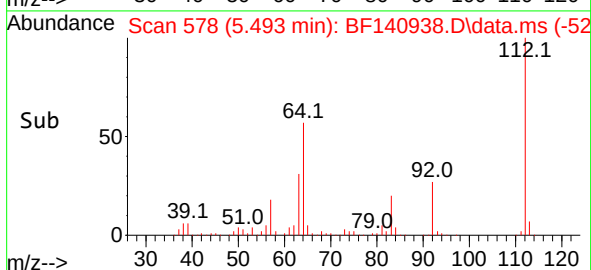
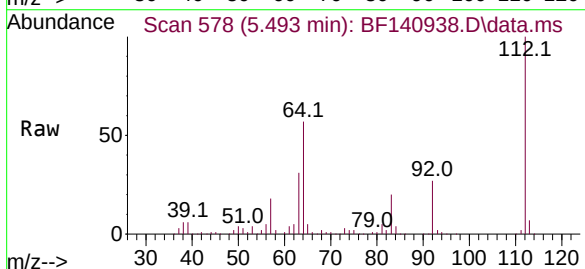


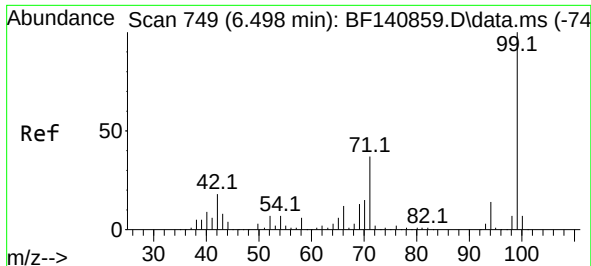
Tgt Ion:152 Resp: 41008
Ion Ratio Lower Upper
152 100
150 156.8 127.9 191.9
115 60.0 48.0 72.0



#5
2-Fluorophenol
Concen: 81.661 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

Tgt Ion:112 Resp: 203426
Ion Ratio Lower Upper
112 100
64 57.3 46.1 69.1
63 30.8 24.9 37.3

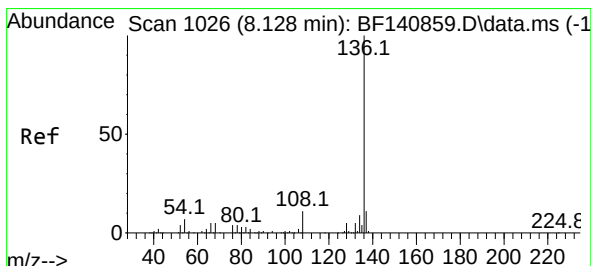
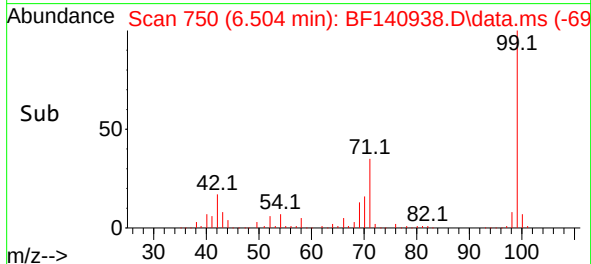
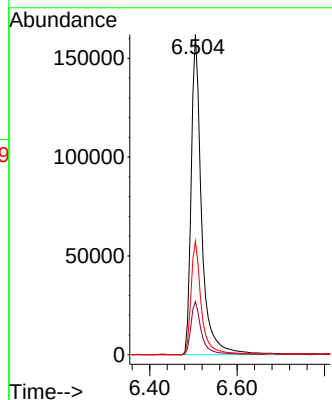
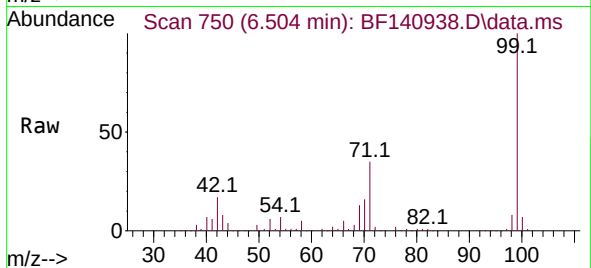




#7
Phenol-d6
Concen: 81.718 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

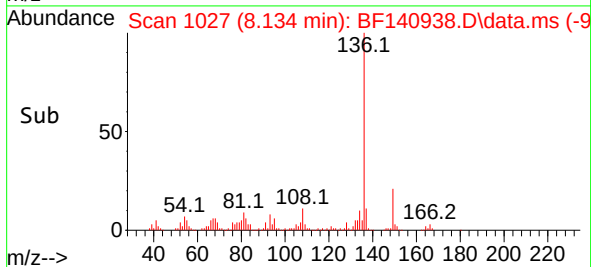
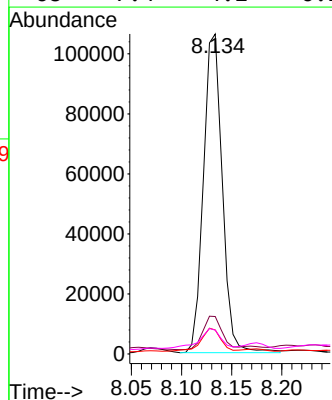
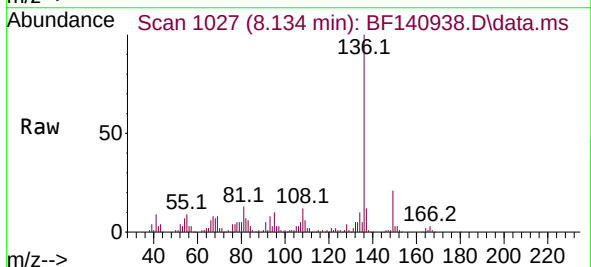
Instrument :
BNA_F
ClientSampleId :
CHRT26634

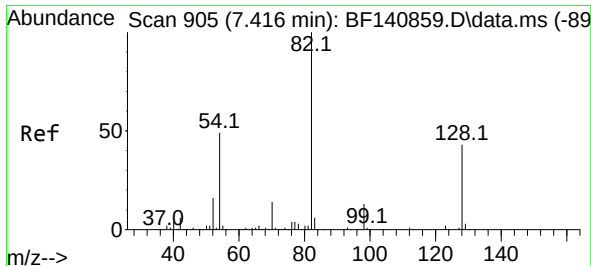
Tgt Ion: 99 Resp: 269625
Ion Ratio Lower Upper
99 100
42 16.6 14.3 21.5
71 35.4 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

Tgt Ion: 136 Resp: 139314
Ion Ratio Lower Upper
136 100
137 11.7 9.0 13.4
54 7.5 5.6 8.4
68 7.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 53.784 ng

RT: 7.416 min Scan# 905

Delta R.T. 0.000 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

Instrument :

BNA_F

ClientSampleId :

CHRT26634

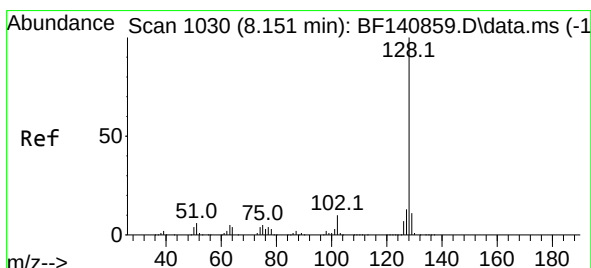
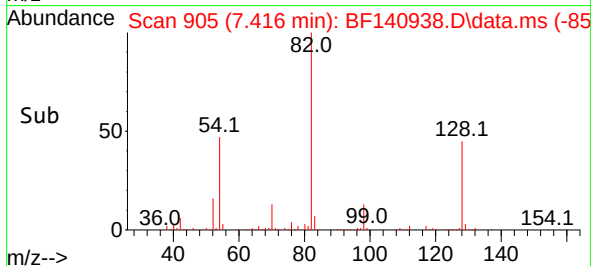
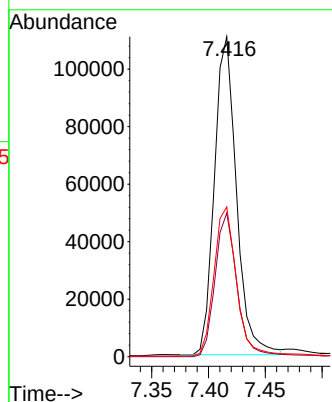
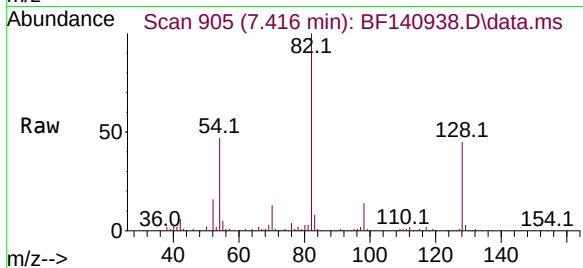
Tgt Ion: 82 Resp: 149764

Ion Ratio Lower Upper

82 100

128 44.9 34.4 51.6

54 46.8 38.8 58.2



#31

Naphthalene

Concen: 11.963 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.000 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

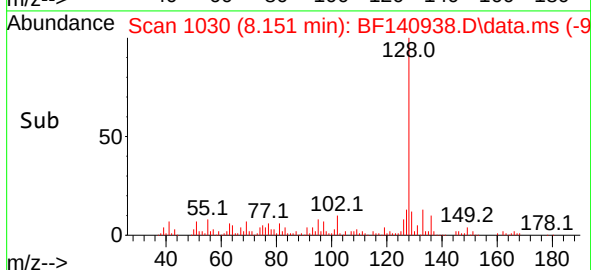
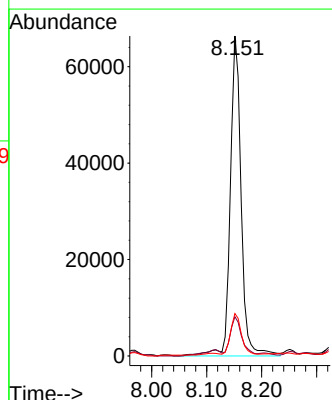
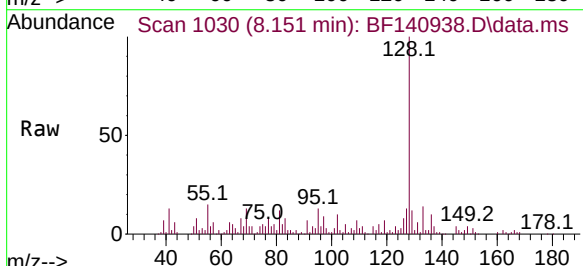
Tgt Ion: 128 Resp: 91548

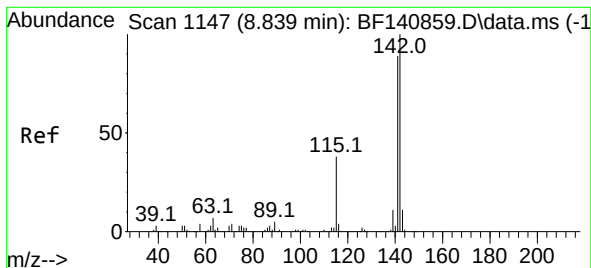
Ion Ratio Lower Upper

128 100

129 12.3 8.9 13.3

127 13.2 10.6 16.0

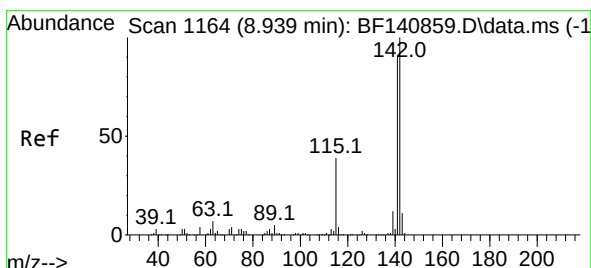
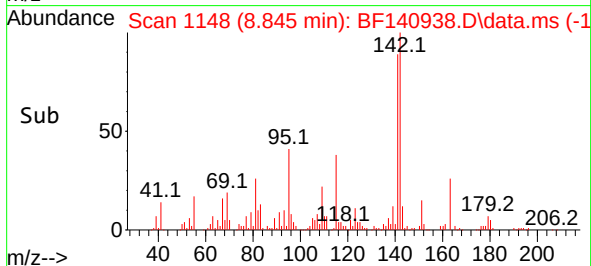
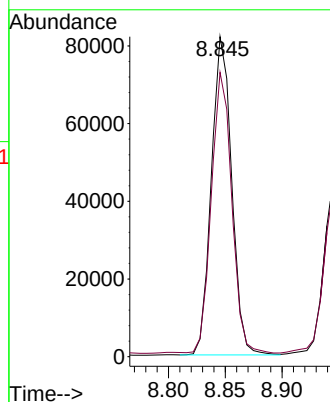
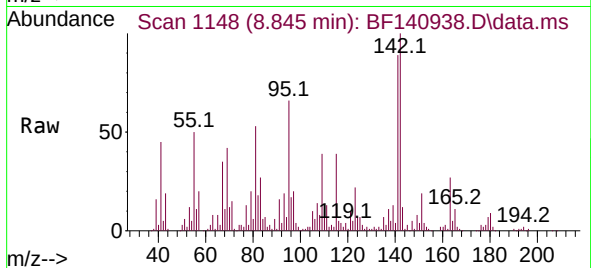




#37
2-Methylnaphthalene
Concen: 20.127 ng
RT: 8.845 min Scan# 1147
Delta R.T. 0.006 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

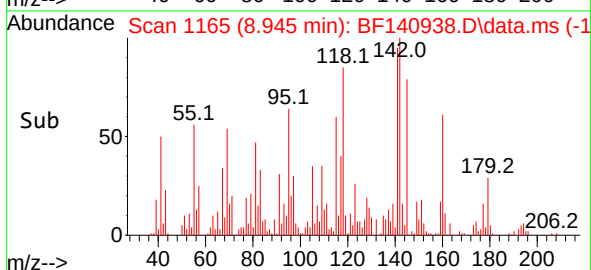
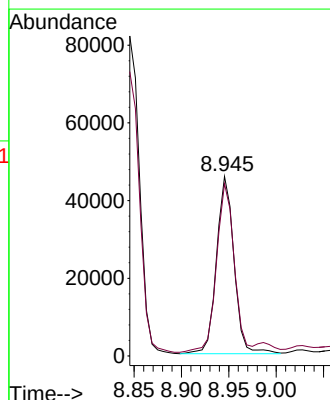
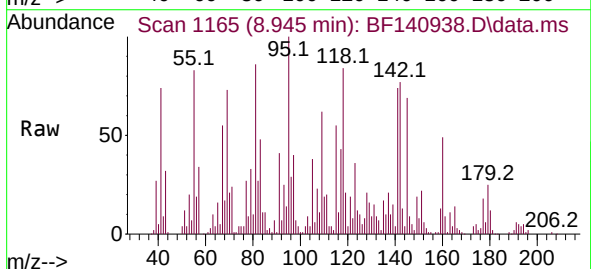
Instrument :
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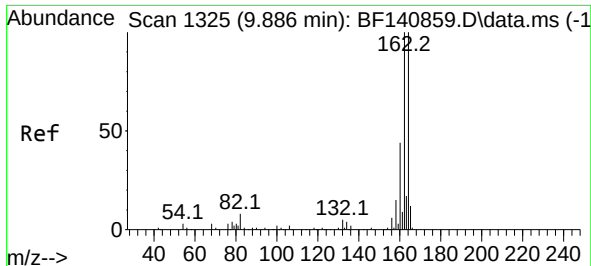
Tgt Ion:142 Resp: 101887
Ion Ratio Lower Upper
142 100
141 88.8 71.0 106.6



#38
1-Methylnaphthalene
Concen: 11.780 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

Tgt Ion:142 Resp: 58975
Ion Ratio Lower Upper
142 100
141 95.9 73.4 110.0

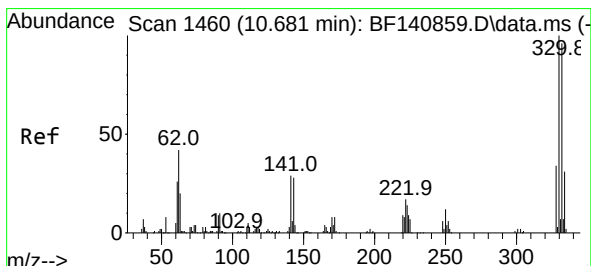
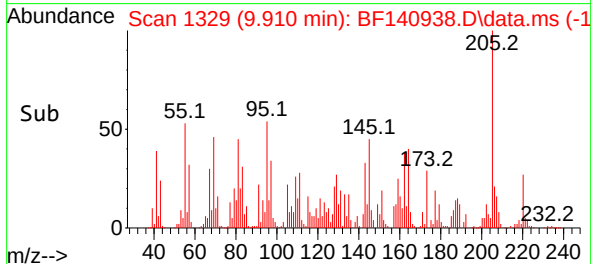
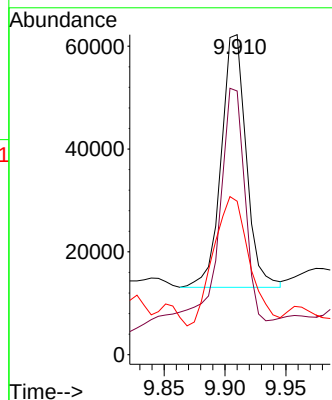
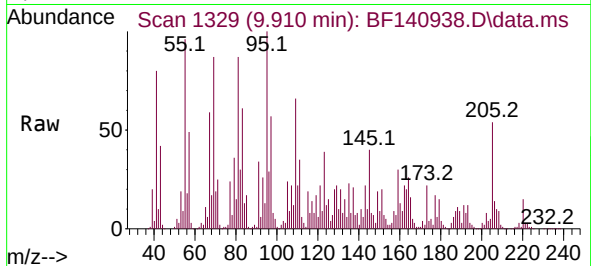




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

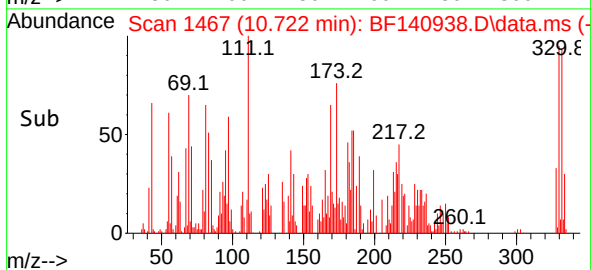
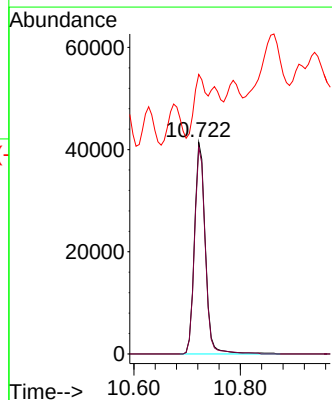
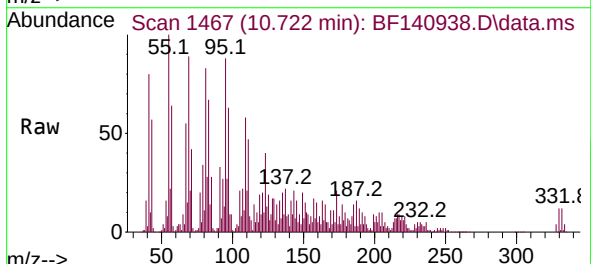
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ClientSampleId :
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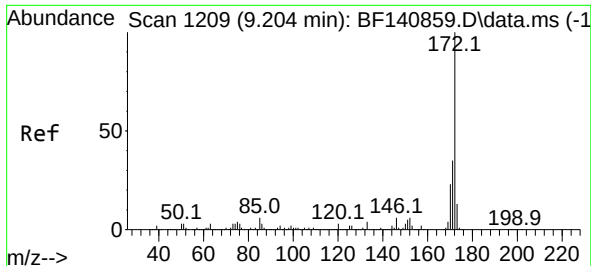
Tgt Ion:164 Resp: 70237
Ion Ratio Lower Upper
164 100
162 82.4 79.9 119.9
160 47.9 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 70.594 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.041 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

Tgt Ion:330 Resp: 58643
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 33.8 24.9 37.3

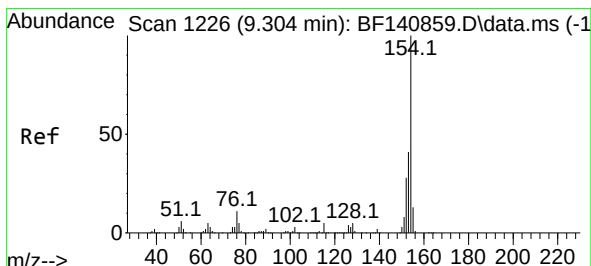
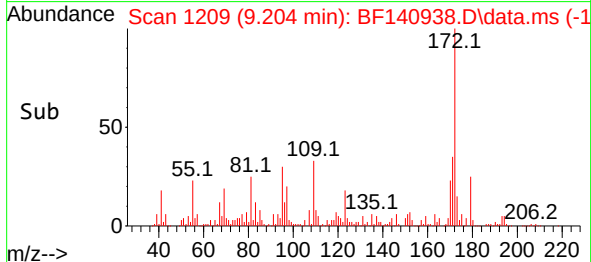
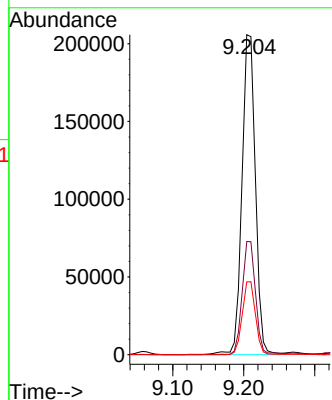
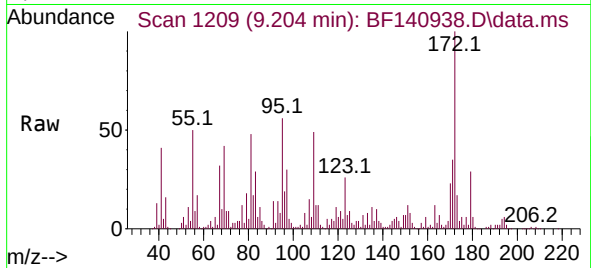




#45
2-Fluorobiphenyl
Concen: 53.082 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

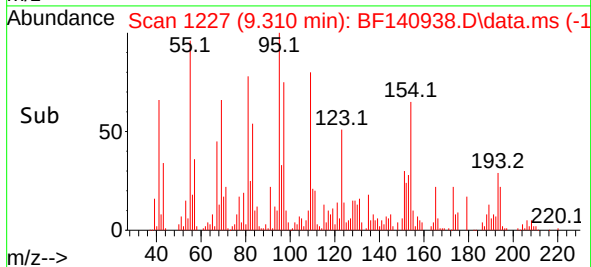
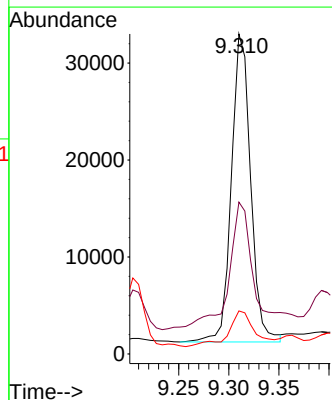
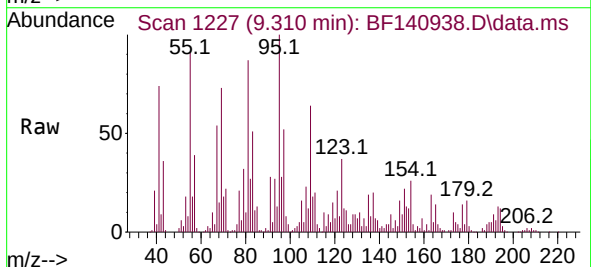
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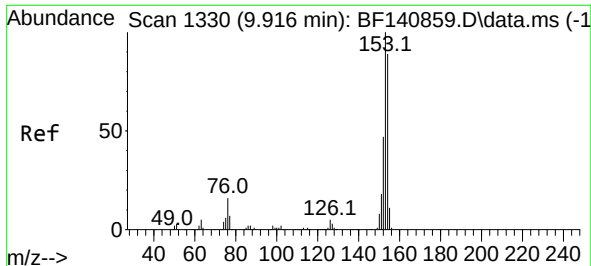
Tgt Ion:172 Resp: 271180
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 22.8 18.6 28.0



#46
1,1'-Biphenyl
Concen: 7.610 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

Tgt Ion:154 Resp: 42505
Ion Ratio Lower Upper
154 100
153 47.4 20.8 60.8
76 13.4 0.0 31.0

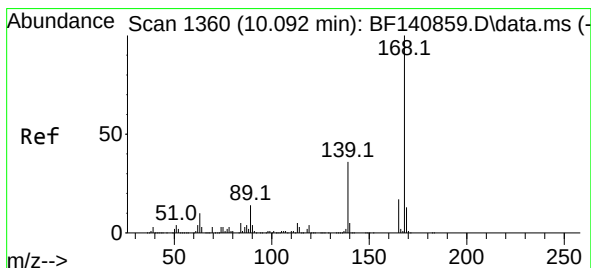
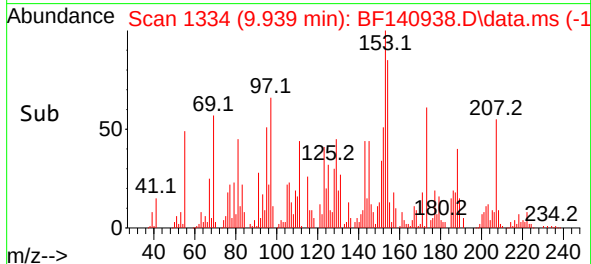
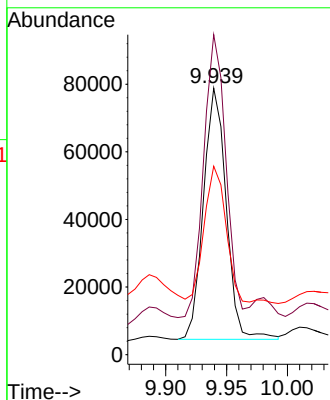
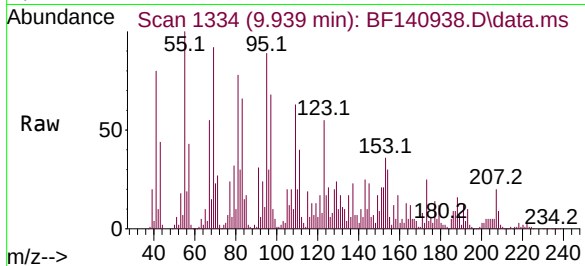




#52
Acenaphthene
Concen: 24.168 ng
RT: 9.939 min Scan# 1334
Delta R.T. 0.024 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

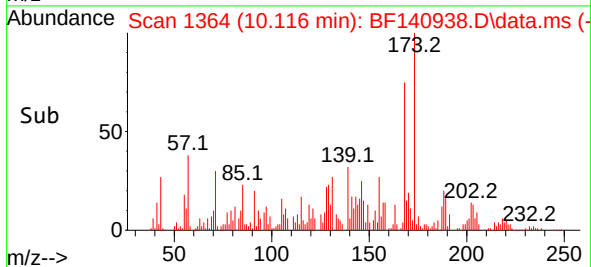
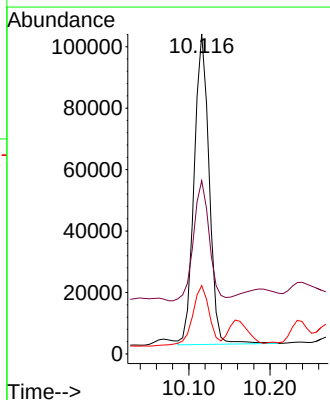
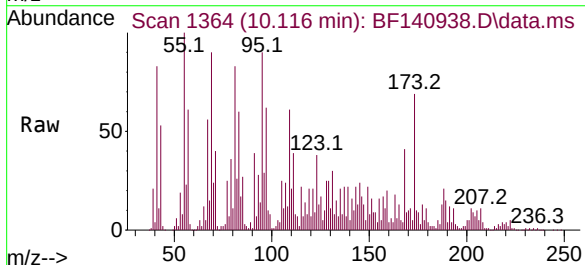
Instrument :
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CHRT26634

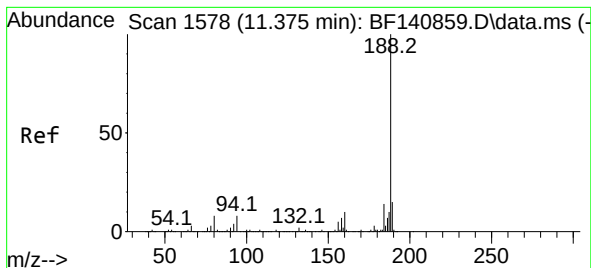
Tgt Ion:154 Resp: 96937
Ion Ratio Lower Upper
154 100
153 120.0 89.9 134.9
152 70.7 42.6 63.8#



#55
Dibenzofuran
Concen: 20.973 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.024 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

Tgt Ion:168 Resp: 130350
Ion Ratio Lower Upper
168 100
139 54.1 31.1 46.7#
169 21.3 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.439 min Scan# 1

Delta R.T. 0.065 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

Instrument :

BNA_F

ClientSampleId :

CHRT26634

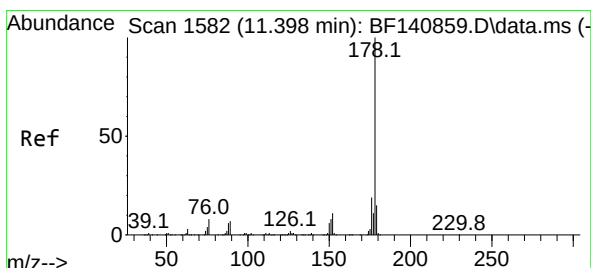
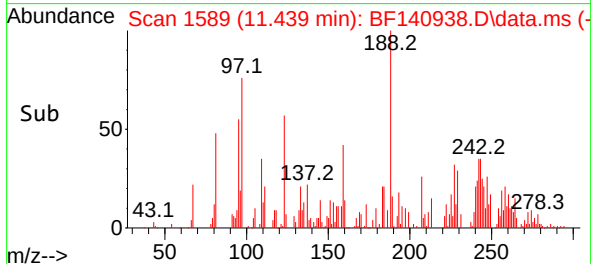
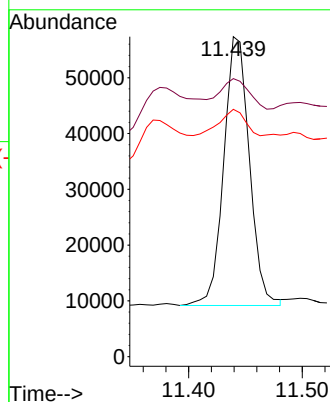
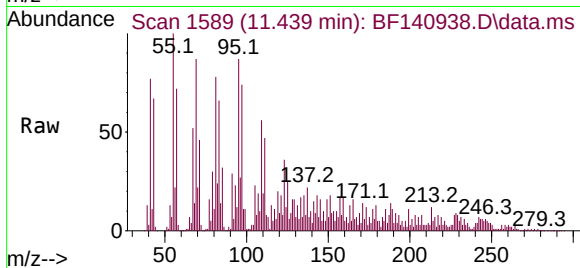
Tgt Ion:188 Resp: 75431

Ion Ratio Lower Upper

188 100

94 86.9 6.4 9.6#

80 77.3 6.8 10.2#



#71

Phenanthrene

Concen: 105.066 ng

RT: 11.469 min Scan# 1594

Delta R.T. 0.071 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

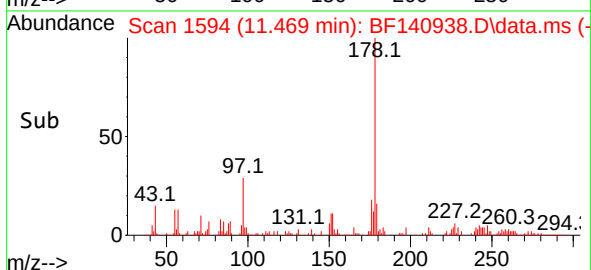
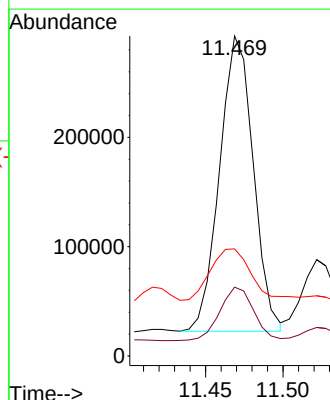
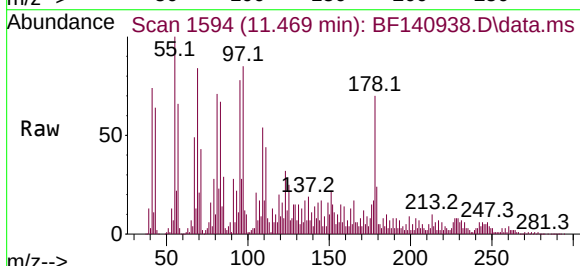
Tgt Ion:178 Resp: 407551

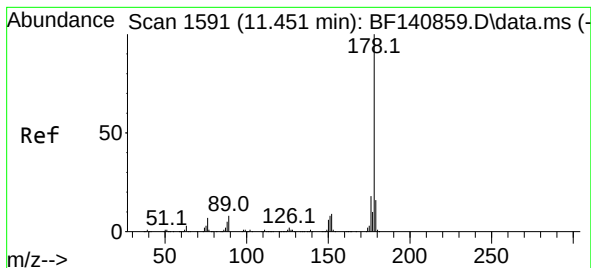
Ion Ratio Lower Upper

178 100

176 21.5 15.4 23.2

179 33.5 12.1 18.1#





#72

Anthracene

Concen: 21.475 ng

RT: 11.522 min Scan# 1

Delta R.T. 0.071 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

Instrument :

BNA_F

ClientSampleId :

CHRT26634

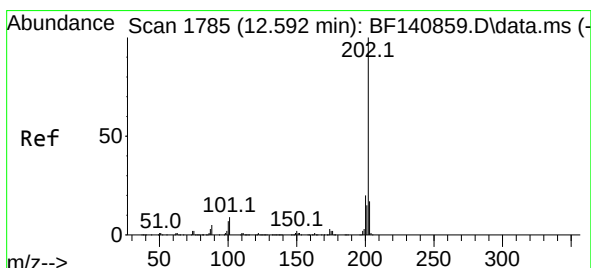
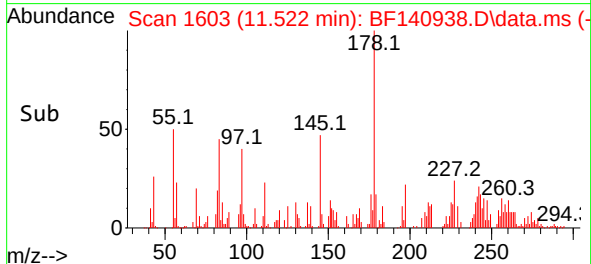
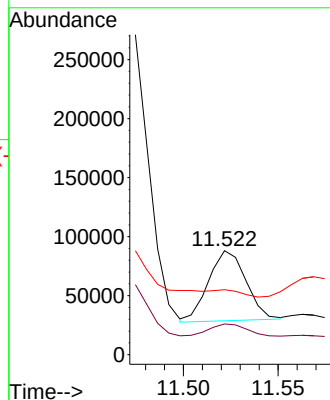
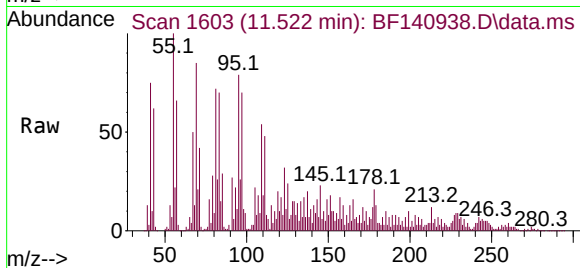
Tgt Ion:178 Resp: 82036

Ion Ratio Lower Upper

178 100

176 29.6 14.6 22.0#

179 62.4 12.6 18.8#



#75

Fluoranthene

Concen: 122.970 ng

RT: 12.680 min Scan# 1800

Delta R.T. 0.088 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

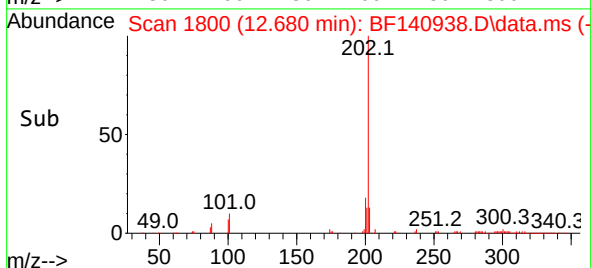
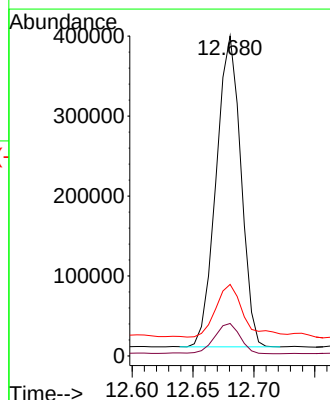
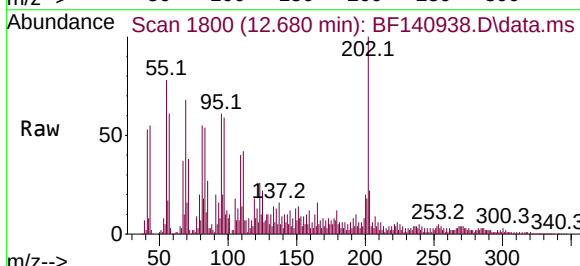
Tgt Ion:202 Resp: 549341

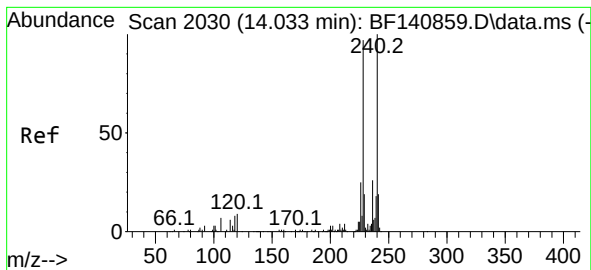
Ion Ratio Lower Upper

202 100

101 10.2 0.0 29.3

203 22.4 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2030

Delta R.T. 0.029 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

Instrument :

BNA_F

ClientSampleId :

CHRT26634

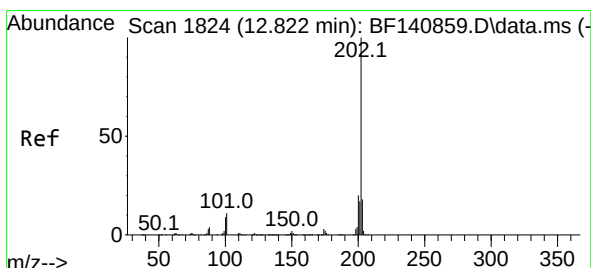
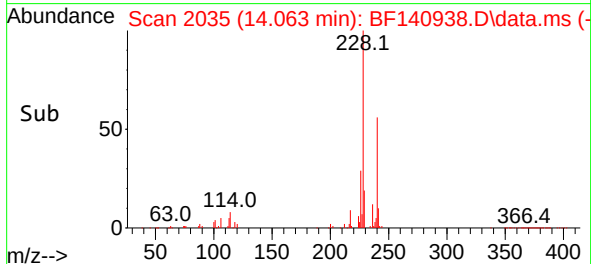
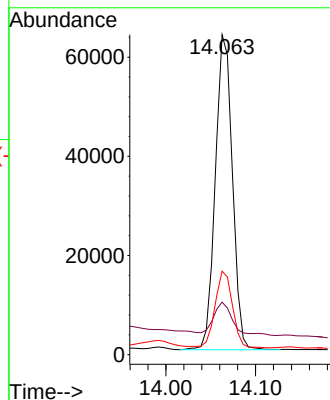
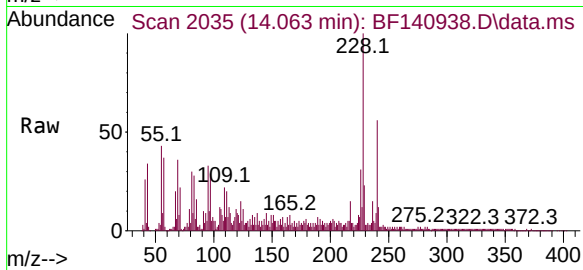
Tgt Ion:240 Resp: 83894

Ion Ratio Lower Upper

240 100

120 16.4 7.6 11.4#

236 26.1 20.5 30.7



#78

Pyrene

Concen: 70.508 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.082 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

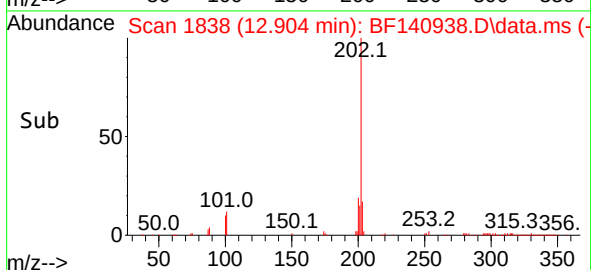
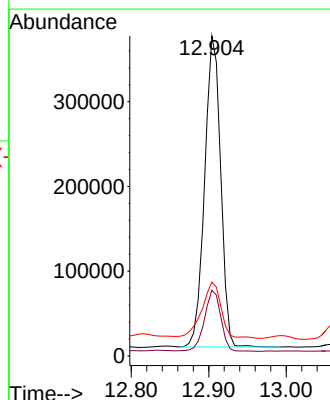
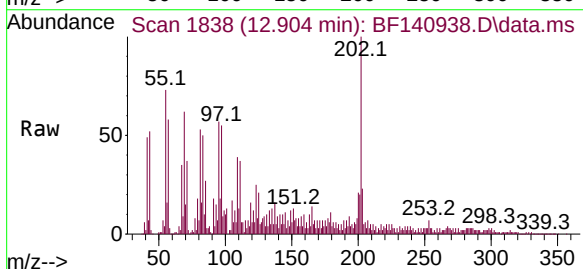
Tgt Ion:202 Resp: 526016

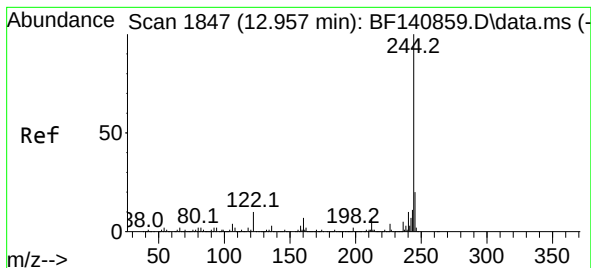
Ion Ratio Lower Upper

202 100

200 20.6 16.1 24.1

203 23.1 14.2 21.4#





#79

Terphenyl-d14

Concen: 45.138 ng

RT: 13.022 min Scan# 1

Delta R.T. 0.065 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

Instrument :

BNA_F

ClientSampleId :

CHRT26634

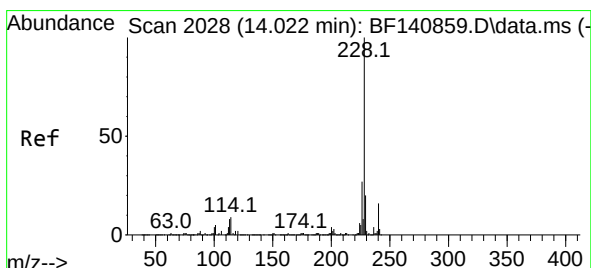
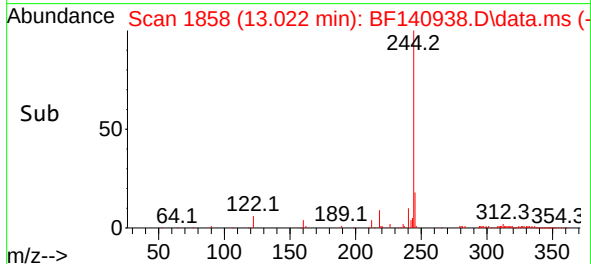
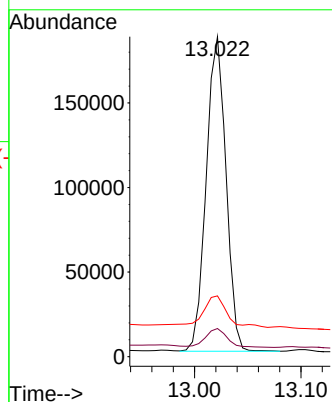
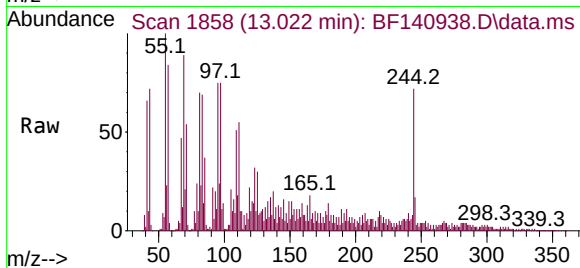
Tgt Ion:244 Resp: 240149

Ion Ratio Lower Upper

244 100

212 8.8 5.6 8.4#

122 19.0 8.2 12.2#



#81

Benzo(a)anthracene

Concen: 38.068 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.035 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

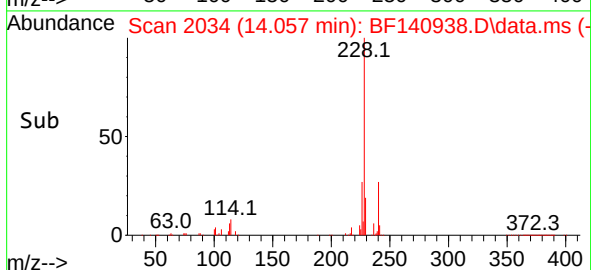
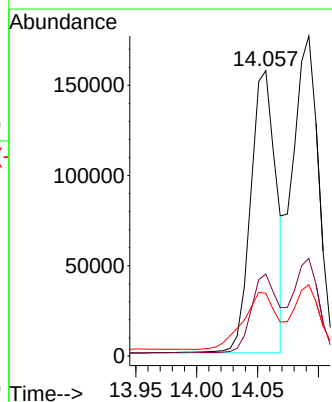
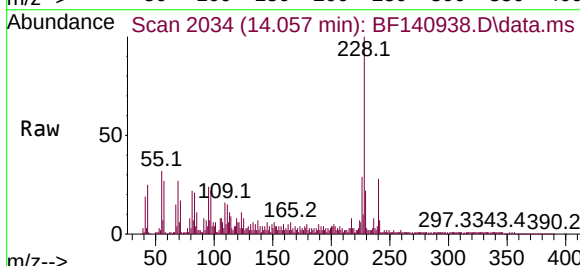
Tgt Ion:228 Resp: 226344

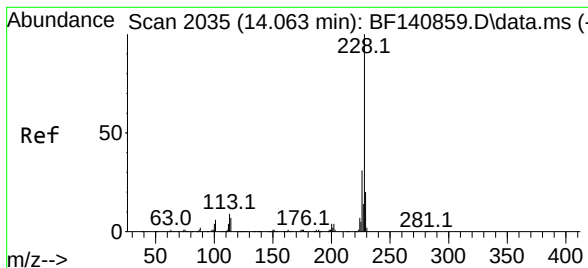
Ion Ratio Lower Upper

228 100

226 28.7 21.8 32.8

229 22.0 15.8 23.8





#83

Chrysene

Concen: 47.683 ng

RT: 14.092 min Scan# 2040

Delta R.T. 0.029 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

Instrument :

BNA_F

ClientSampleId :

CHRT26634

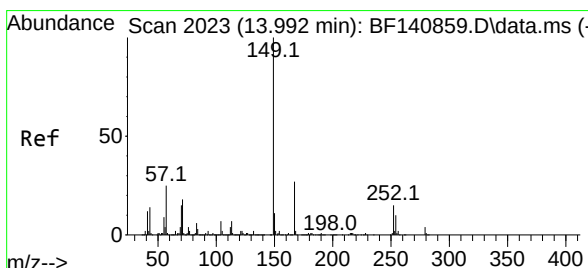
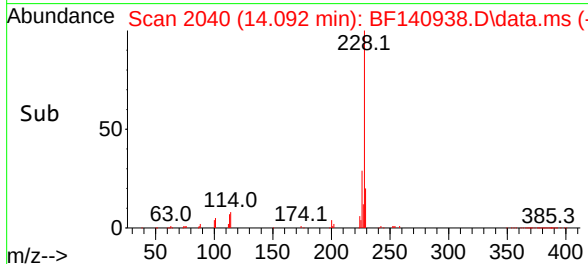
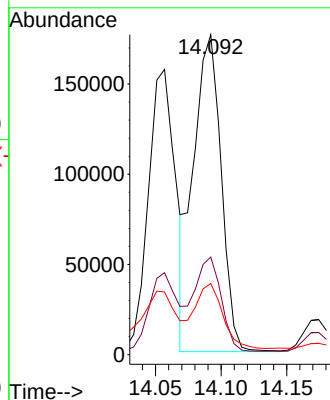
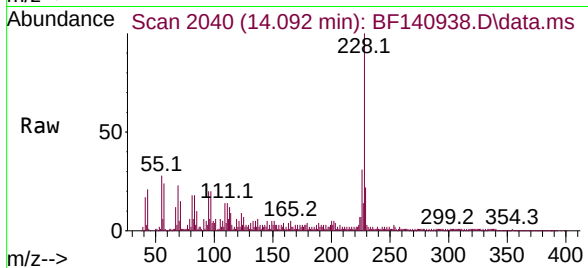
Tgt Ion:228 Resp: 257812

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 22.3 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.801 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.012 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

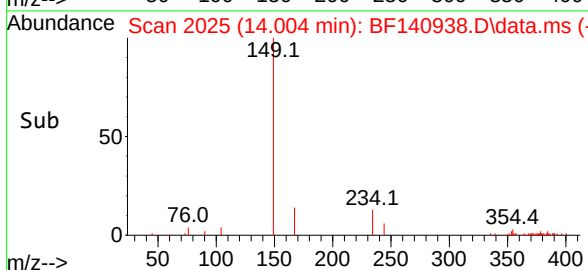
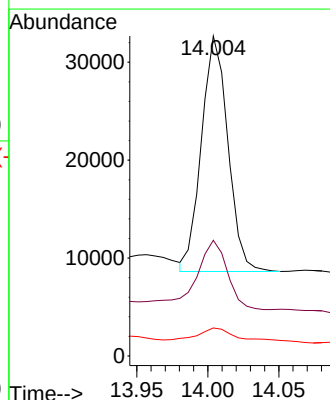
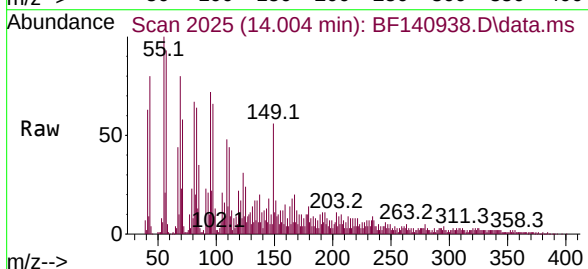
Tgt Ion:149 Resp: 31150

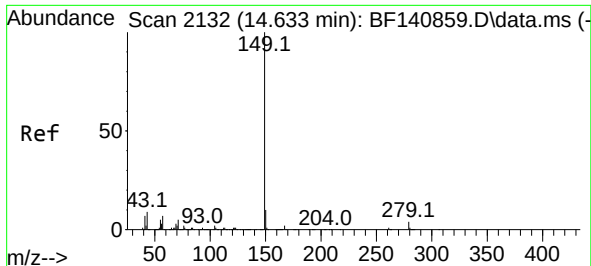
Ion Ratio Lower Upper

149 100

167 36.2 21.8 32.8#

279 8.8 3.5 5.3#

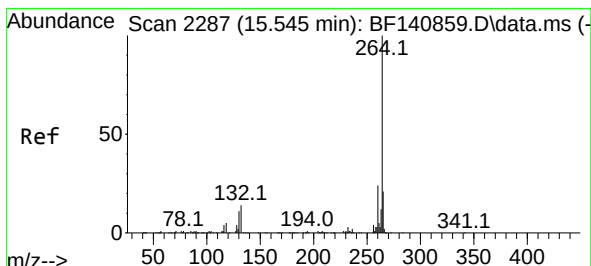
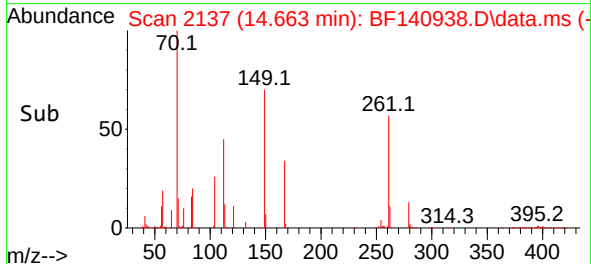
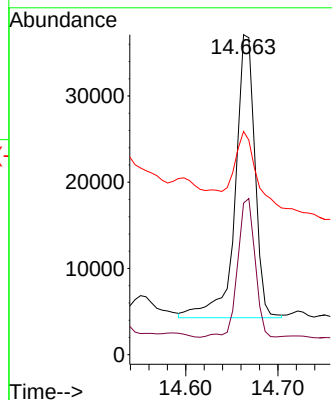
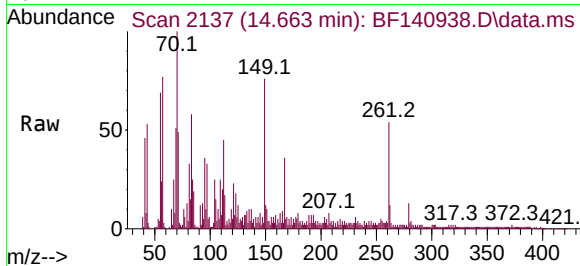




#85
Di-n-octyl phthalate
Concen: 9.169 ng m
RT: 14.663 min Scan# 2132
Delta R.T. 0.029 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

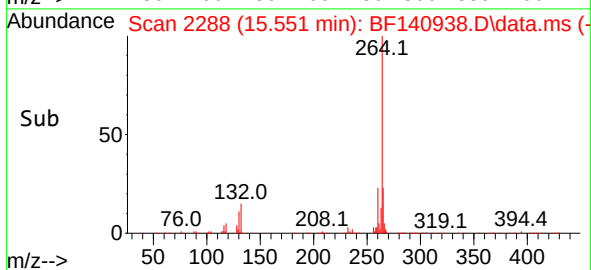
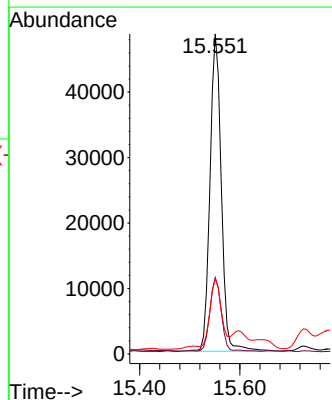
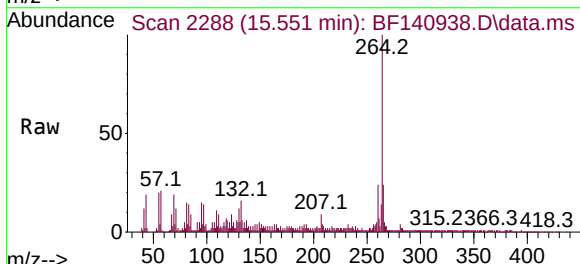
Instrument :
BNA_F
ClientSampleId :
CHRT26634

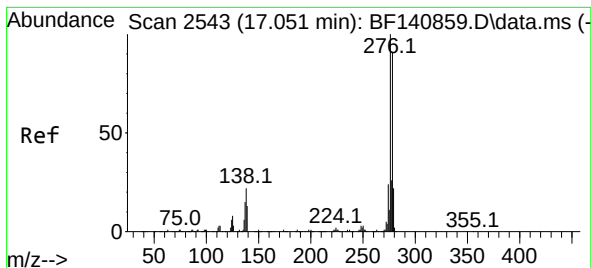
Tgt Ion:149 Resp: 49097
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 7.0 10.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2288
Delta R.T. 0.006 min
Lab File: BF140938.D
Acq: 19 Dec 2024 20:26

Tgt Ion:264 Resp: 75802
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 23.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.667 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

Instrument :

BNA_F

ClientSampleId :

CHRT26634

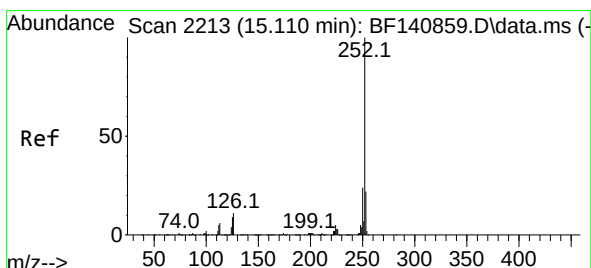
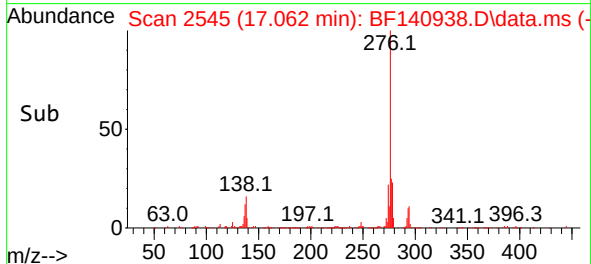
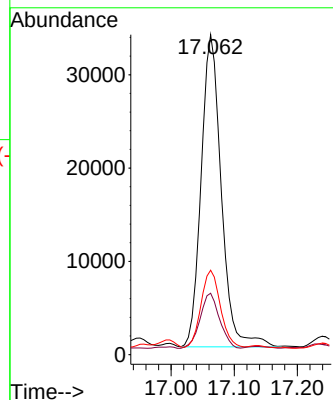
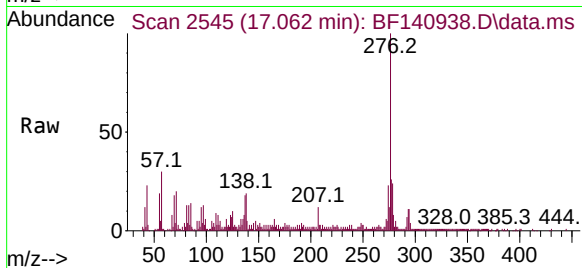
Tgt Ion:276 Resp: 74112

Ion Ratio Lower Upper

276 100

138 17.5 16.9 25.3

277 23.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 52.593 ng m

RT: 15.121 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

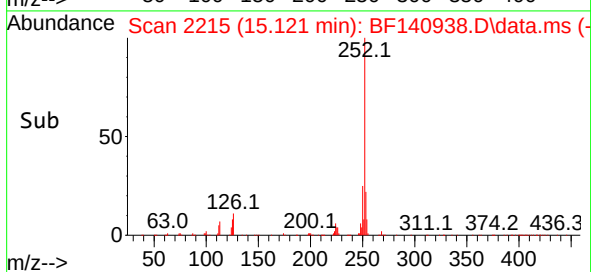
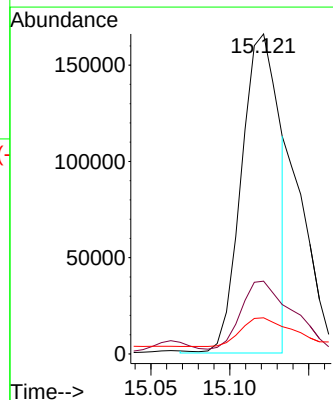
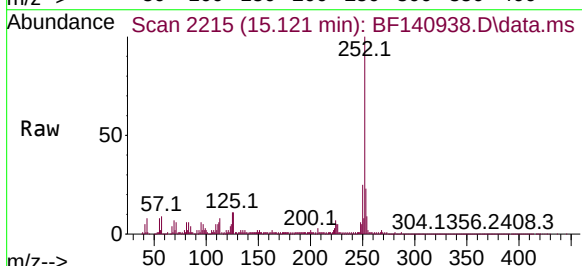
Tgt Ion:252 Resp: 276733

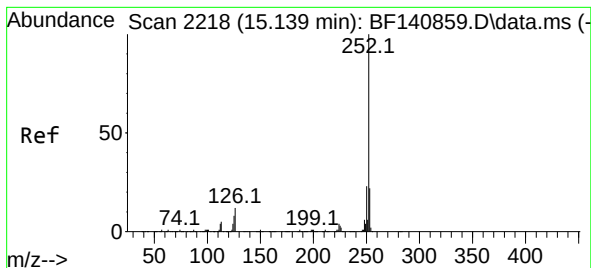
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 11.3 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 22.395 ng m

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

Instrument :

BNA_F

ClientSampleId :

CHRT26634

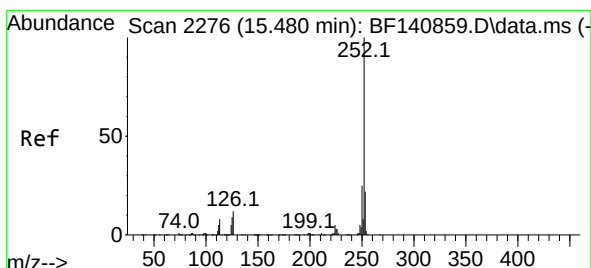
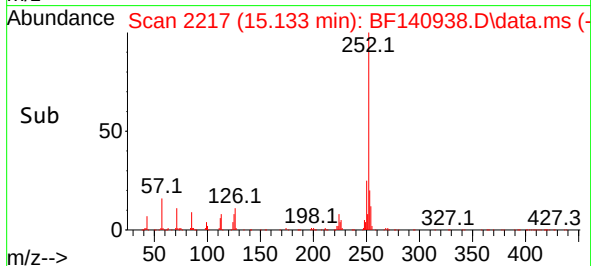
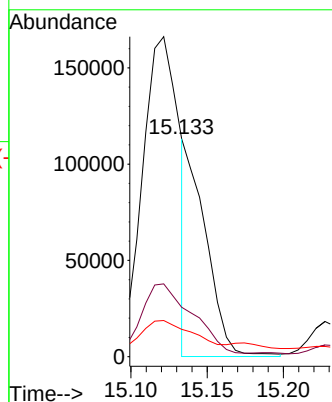
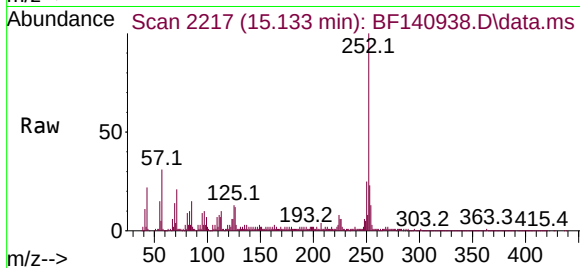
Tgt Ion:252 Resp: 101083

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 12.6 6.8 10.2#



#90

Benzo(a)pyrene

Concen: 31.554 ng

RT: 15.492 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF140938.D

Acq: 19 Dec 2024 20:26

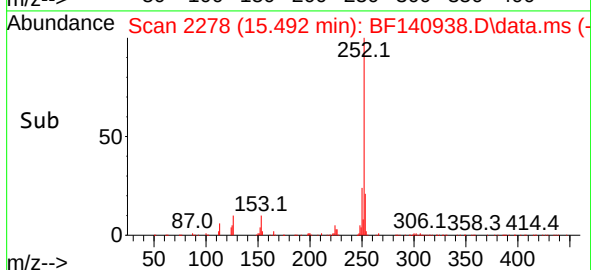
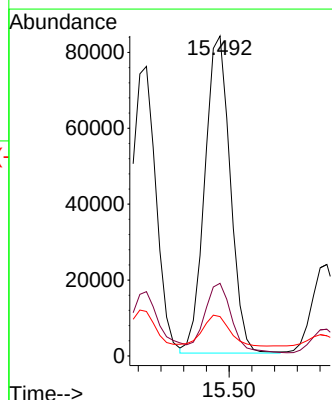
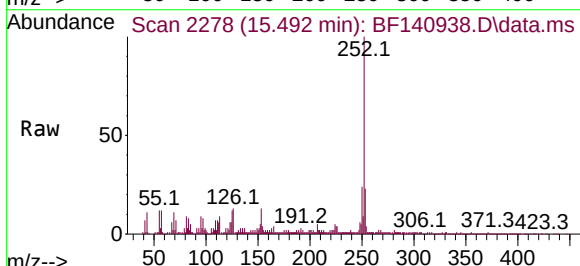
Tgt Ion:252 Resp: 130008

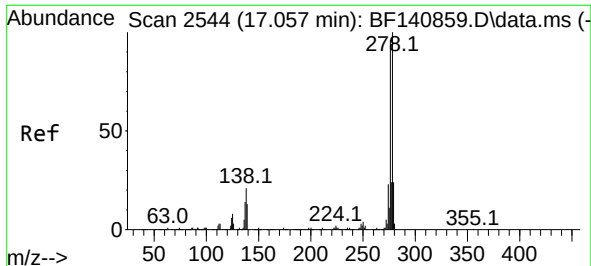
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 12.3 7.5 11.3#

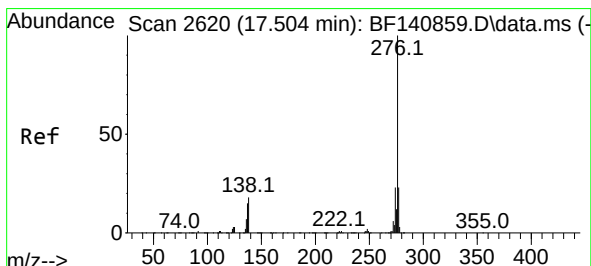
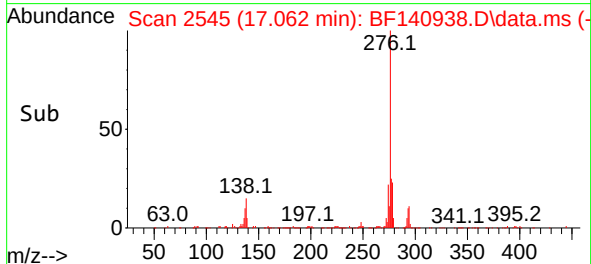
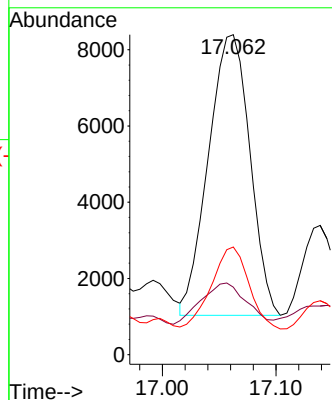
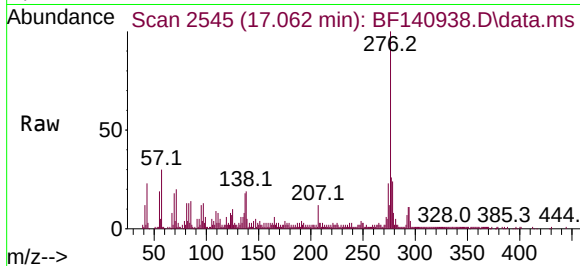




#91
 Dibenzo(a,h)anthracene
 Concen: 4.762 ng
 RT: 17.062 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF140938.D
 Acq: 19 Dec 2024 20:26

Instrument :
 BNA_F
 ClientSampleId :
 CHRT26634

Tgt Ion: 278 Resp: 18662
 Ion Ratio Lower Upper
 278 100
 139 21.1 10.6 16.0#
 279 33.6 19.2 28.8#



#92
 Benzo(g,h,i)perylene
 Concen: 14.867 ng
 RT: 17.527 min Scan# 2624
 Delta R.T. 0.024 min
 Lab File: BF140938.D
 Acq: 19 Dec 2024 20:26

Tgt Ion: 276 Resp: 59295
 Ion Ratio Lower Upper
 276 100
 277 26.4 18.7 28.1
 138 20.6 14.2 21.2

