

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122123\
 Data File : BF136672.D
 Acq On : 21 Dec 2023 16:46
 Operator : CG\JU
 Sample : 05831-01RE 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20017

Quant Time: Dec 21 17:30:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

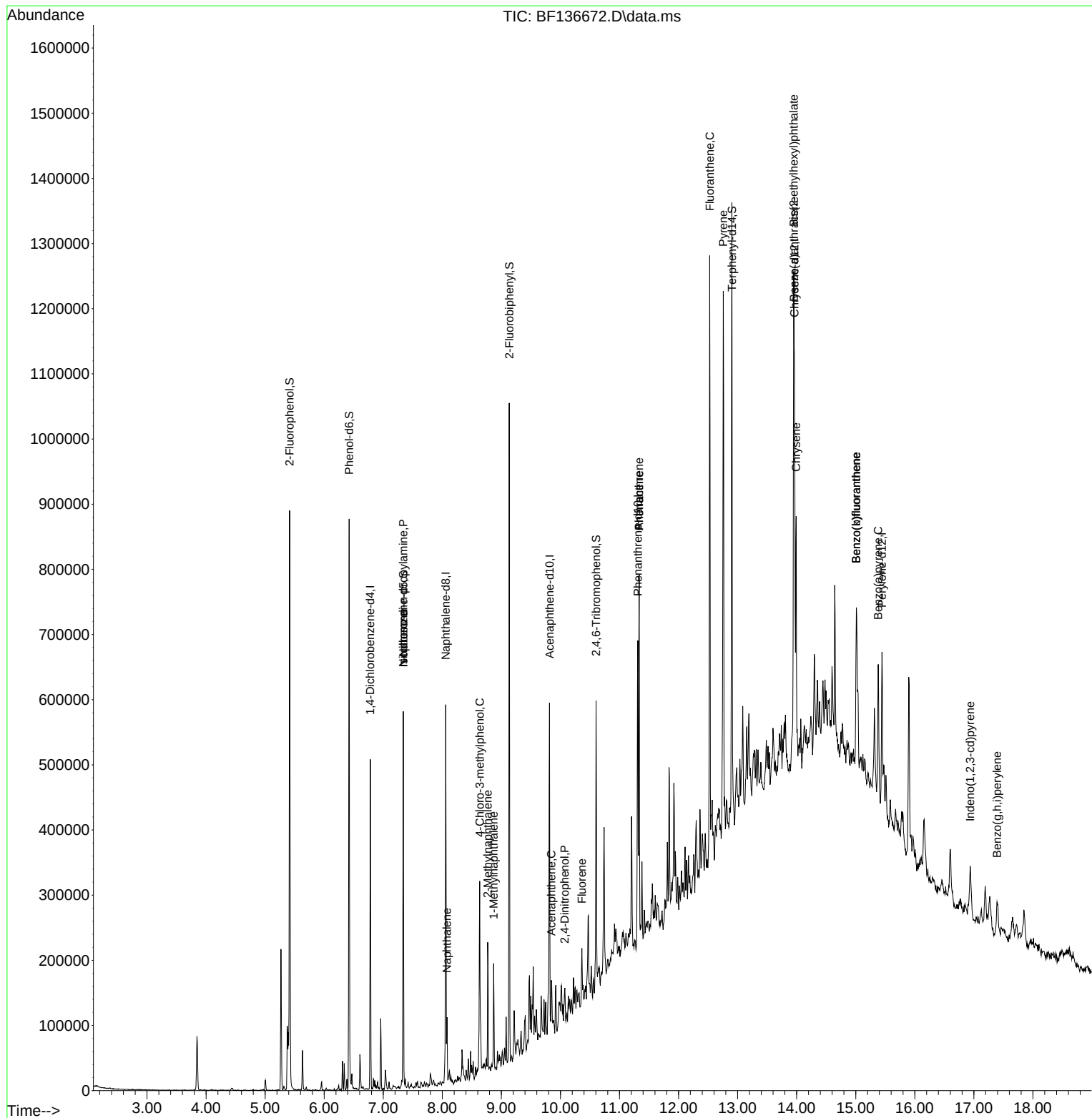
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	67473	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	220479	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	90927	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	175105	20.000	ng	0.00
76) Chrysene-d12	13.963	240	146395	20.000	ng	0.00
86) Perylene-d12	15.445	264	112891	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	217162	50.218	ng	-0.01
7) Phenol-d6	6.422	99	252884	45.131	ng	-0.02
23) Nitrobenzene-d5	7.339	82	149528	34.704	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	48933	45.695	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	266865	39.474	ng	-0.02
79) Terphenyl-d14	12.904	244	307854	29.387	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.339	70	19435	5.722	ng	# 75
25) Isophorone	7.339	82	149526	19.072	ng	# 65
31) Naphthalene	8.081	128	35651	2.943	ng	98
36) 4-Chloro-3-methylphenol	8.633	107	37513	10.295	ng	# 20
37) 2-Methylnaphthalene	8.769	142	51029	6.546	ng	99
38) 1-Methylnaphthalene	8.869	142	35534	4.646	ng	95
52) Acenaphthene	9.845	154	13158	2.394	ng	96
54) 2,4-Dinitrophenol	10.075	184	149	3.905	ng	# 34
58) Fluorene	10.363	166	17896	2.707	ng	# 94
71) Phenanthrene	11.333	178	201187	22.392	ng	98
72) Anthracene	11.333	178	201187	22.111	ng	98
75) Fluoranthene	12.527	202	369552	38.453	ng	97
78) Pyrene	12.757	202	361121	25.128	ng	99
81) Benzo(a)anthracene	13.957	228	150929	14.847	ng	96
83) Chrysene	13.992	228	159091	16.004	ng	95
84) Bis(2-ethylhexyl)phtha...	13.951	149	120758	18.354	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.939	276	51205	6.282	ng	94
88) Benzo(b)fluoranthene	15.009	252	179512	23.808	ng	# 93
89) Benzo(k)fluoranthene	15.009	252	179512	25.196	ng	# 93
90) Benzo(a)pyrene	15.380	252	91670	14.403	ng	# 91
92) Benzo(g,h,i)perylene	17.392	276	49440	7.219	ng	96

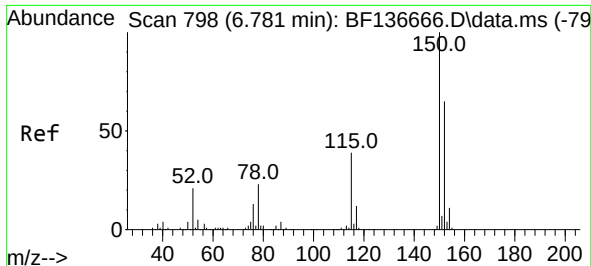
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
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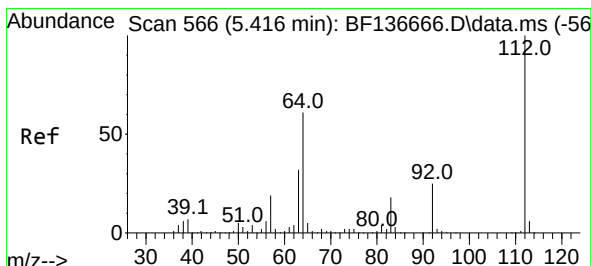
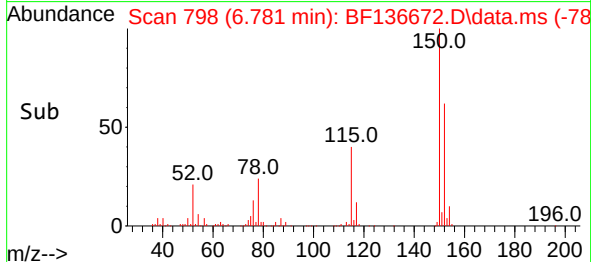
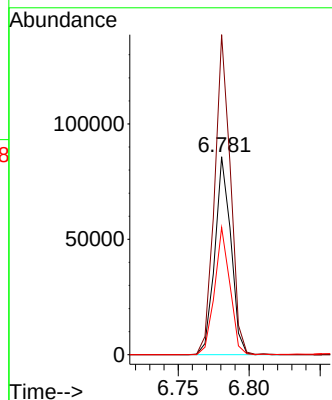
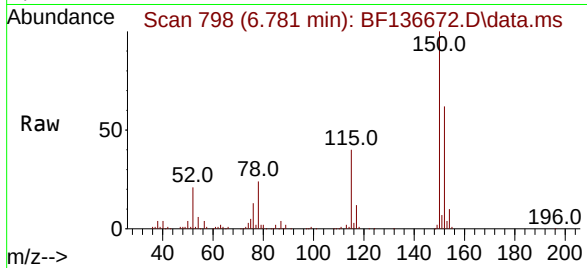




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF136672.D
 Acq: 21 Dec 2023 16:46

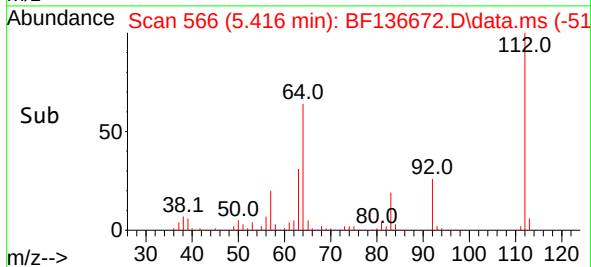
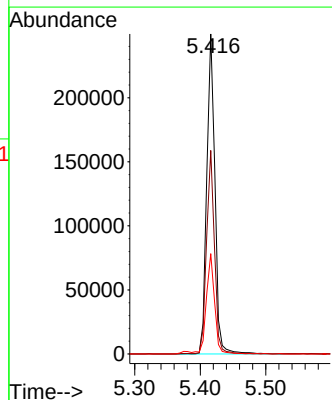
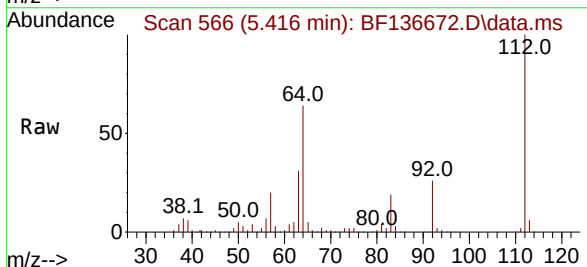
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20017

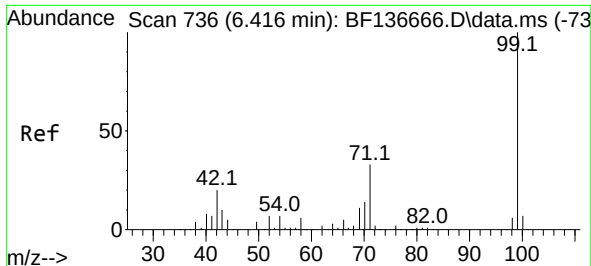
Tgt Ion:152 Resp: 67473
 Ion Ratio Lower Upper
 152 100
 150 161.7 127.0 190.6
 115 64.3 49.0 73.4



#5
 2-Fluorophenol
 Concen: 50.218 ng
 RT: 5.416 min Scan# 566
 Delta R.T. -0.012 min
 Lab File: BF136672.D
 Acq: 21 Dec 2023 16:46

Tgt Ion:112 Resp: 217162
 Ion Ratio Lower Upper
 112 100
 64 63.6 51.1 76.7
 63 31.3 26.1 39.1

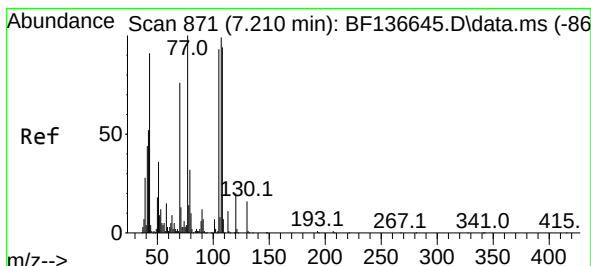
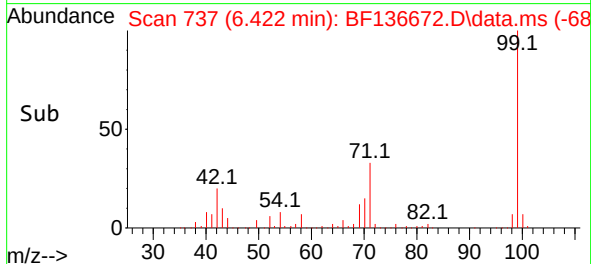
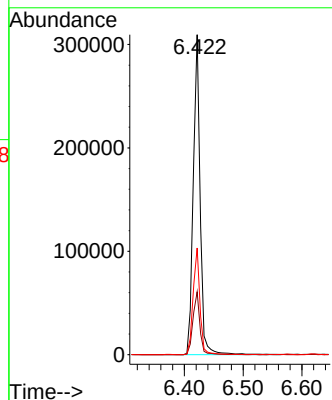
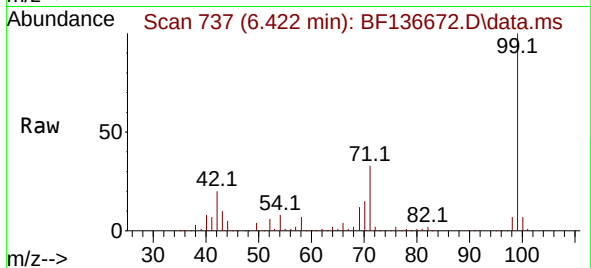




#7
Phenol-d6
Concen: 45.131 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

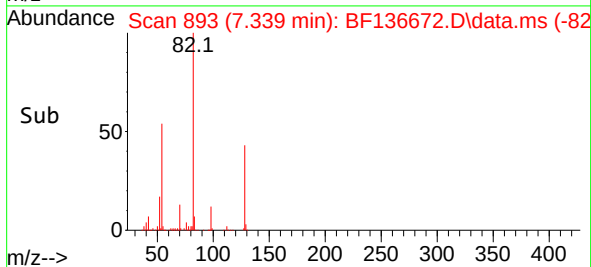
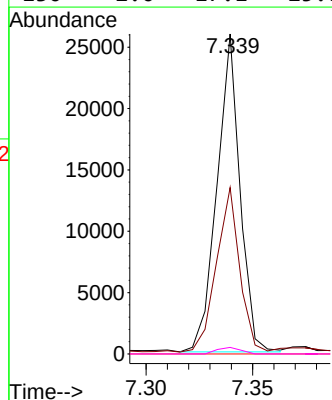
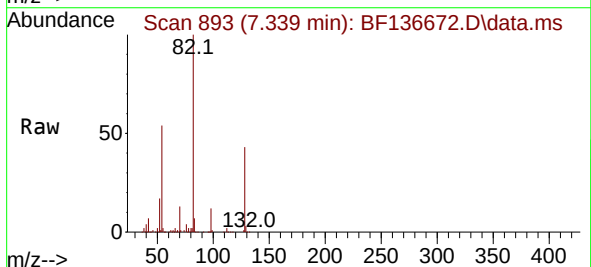
Instrument :
BNA_F
ClientSampleId :
CHRT-20017

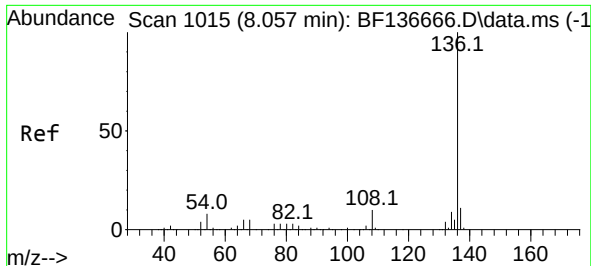
Tgt Ion: 99 Resp: 252884
Ion Ratio Lower Upper
99 100
42 19.7 16.1 24.1
71 33.4 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 5.722 ng
RT: 7.339 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion: 70 Resp: 19435
Ion Ratio Lower Upper
70 100
42 52.0 54.2 81.4#
101 0.0 7.6 11.4#
130 2.0 17.1 25.7#

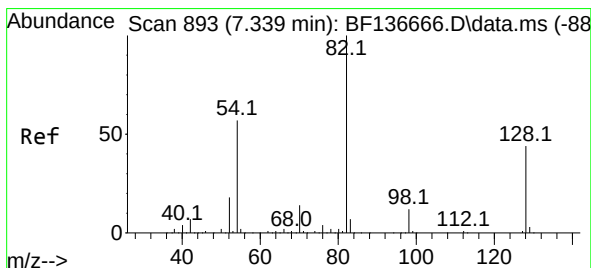
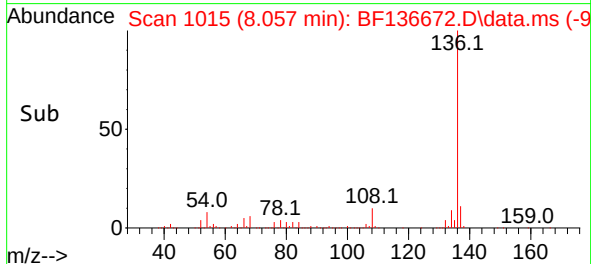
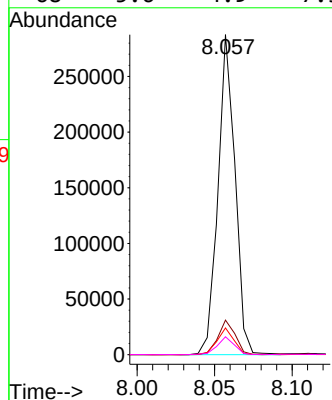
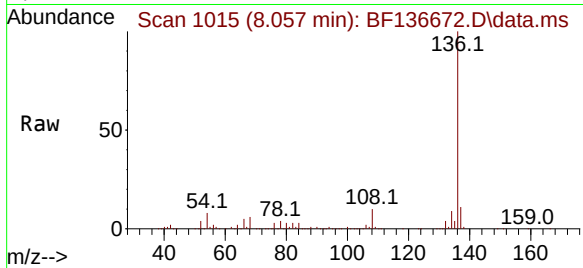




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

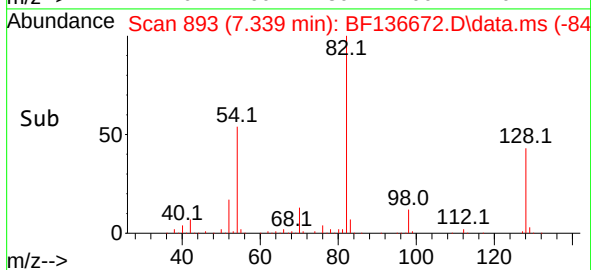
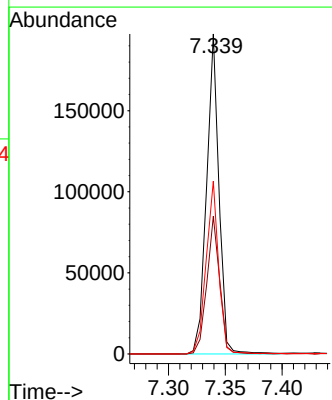
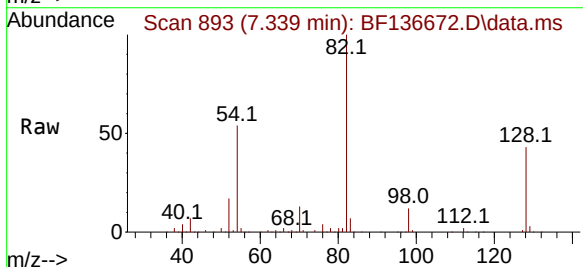
Instrument :
BNA_F
ClientSampleId :
CHRT-20017

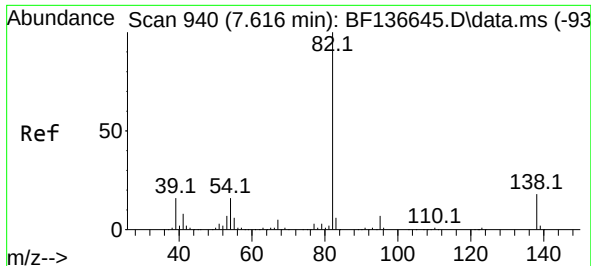
Tgt Ion:136	Resp: 220479
Ion Ratio	Lower Upper
136 100	
137 10.8	9.0 13.4
54 8.3	7.2 10.8
68 5.6	4.9 7.3



#23
Nitrobenzene-d5
Concen: 34.704 ng
RT: 7.339 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion: 82	Resp: 149528
Ion Ratio	Lower Upper
82 100	
128 43.1	35.3 52.9
54 54.0	44.5 66.7

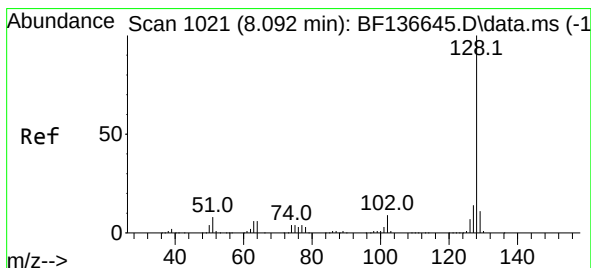
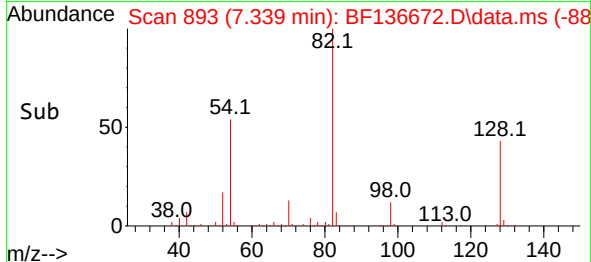
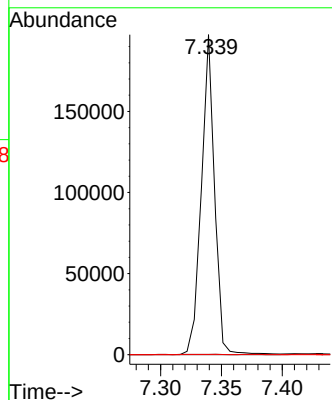
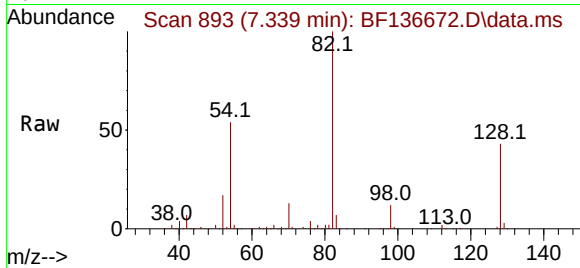




#25
Isophorone
Concen: 19.072 ng
RT: 7.339 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

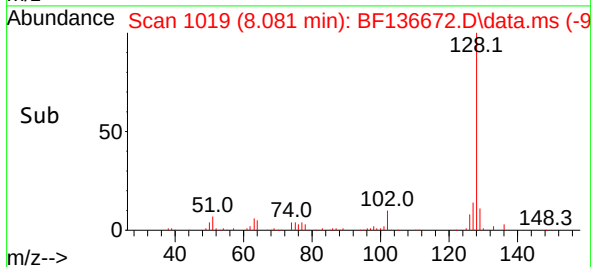
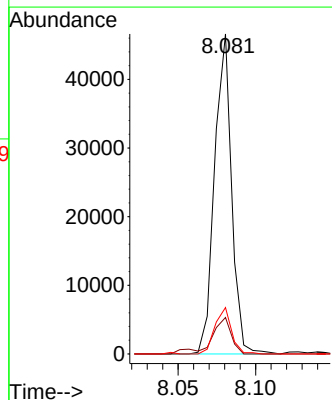
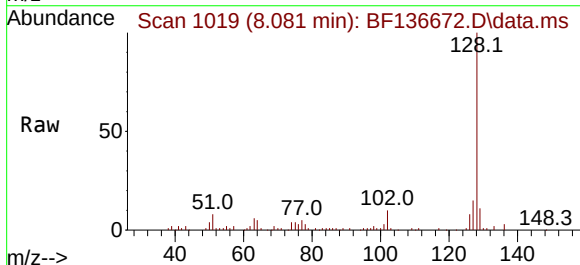
Instrument :
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ClientSampleId :
CHRT-20017

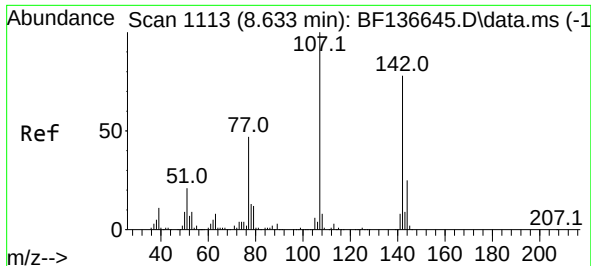
Tgt Ion: 82 Resp: 149526
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 2.943 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion: 128 Resp: 35651
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 14.5 10.8 16.2

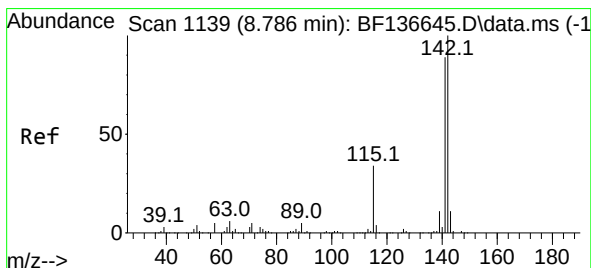
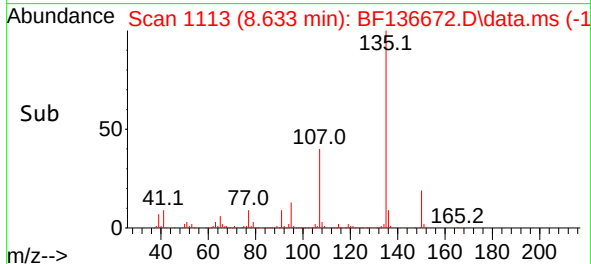
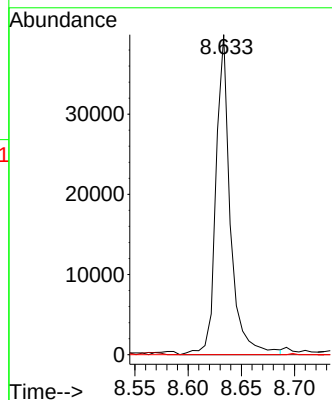
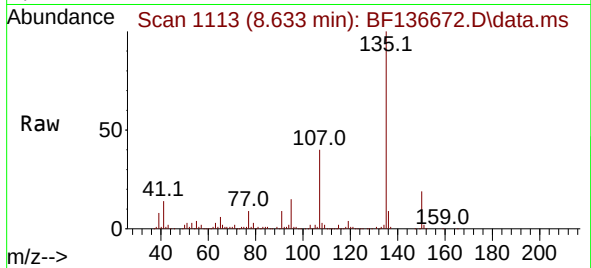




#36
4-Chloro-3-methylphenol
Concen: 10.295 ng
RT: 8.633 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

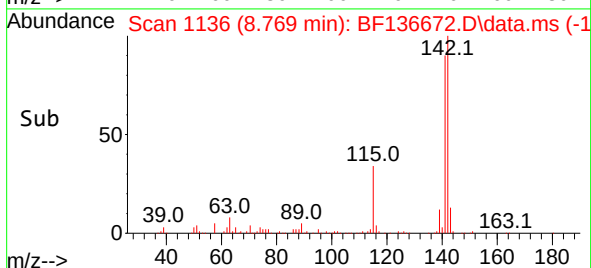
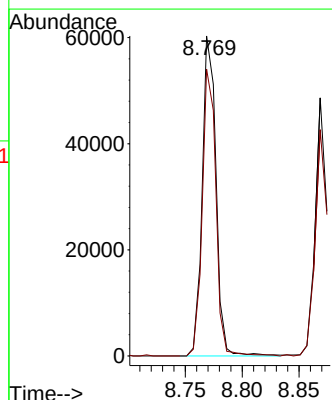
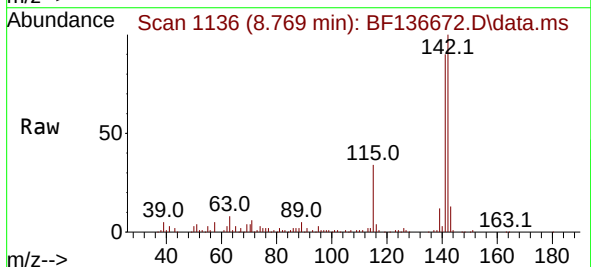
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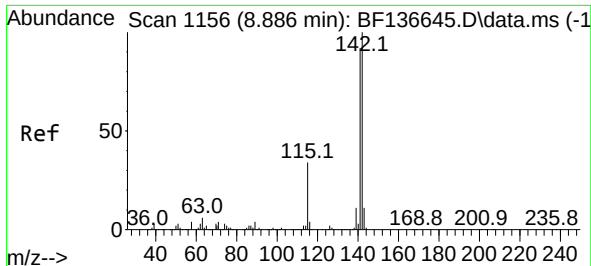
Tgt Ion:107 Resp: 37513
Ion Ratio Lower Upper
107 100
144 0.0 20.2 30.2#
142 0.0 62.3 93.5#



#37
2-Methylnaphthalene
Concen: 6.546 ng
RT: 8.769 min Scan# 1136
Delta R.T. -0.018 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:142 Resp: 51029
Ion Ratio Lower Upper
142 100
141 89.6 71.1 106.7

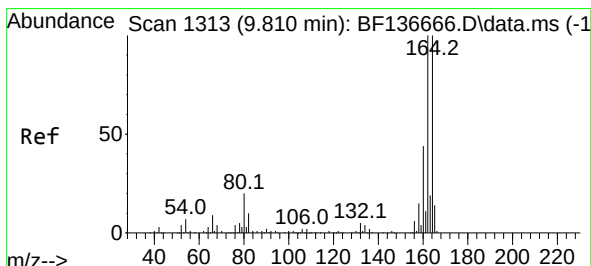
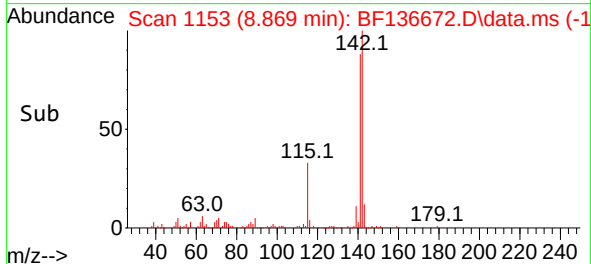
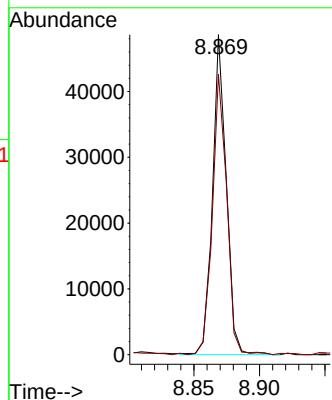
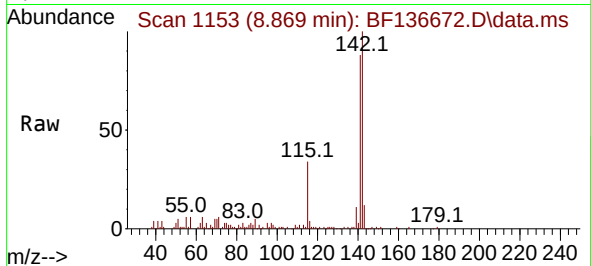




#38
1-Methylnaphthalene
Concen: 4.646 ng
RT: 8.869 min Scan# 1156
Delta R.T. -0.018 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

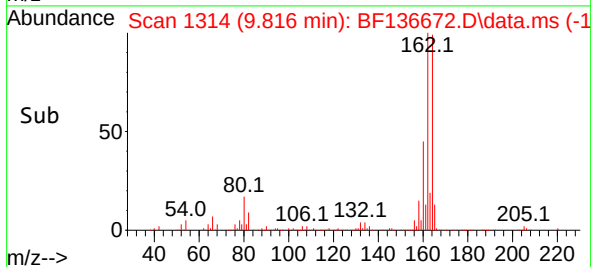
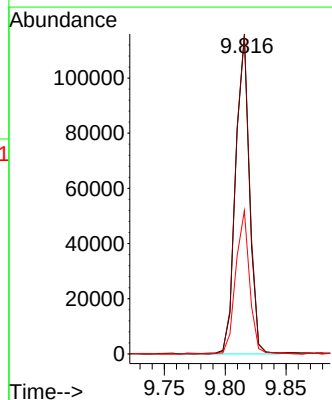
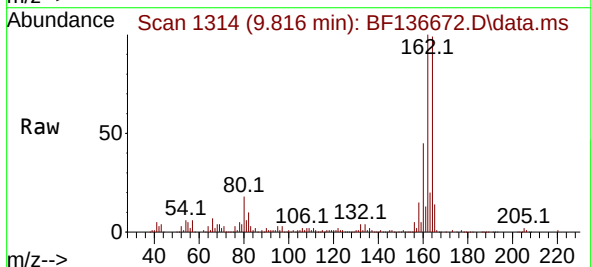
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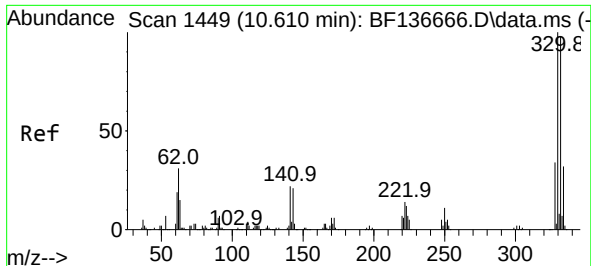
Tgt Ion:142 Resp: 35534
Ion Ratio Lower Upper
142 100
141 87.7 73.6 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:164 Resp: 90927
Ion Ratio Lower Upper
164 100
162 100.7 81.6 122.4
160 45.1 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 45.695 ng

RT: 10.604 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

ClientSampleId :

CHRT-20017

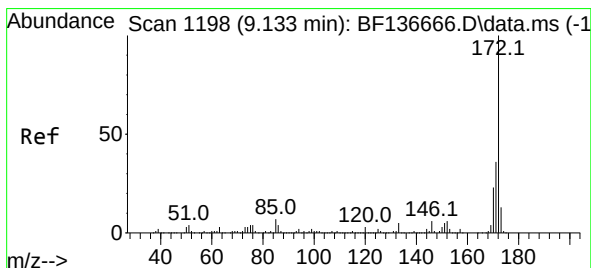
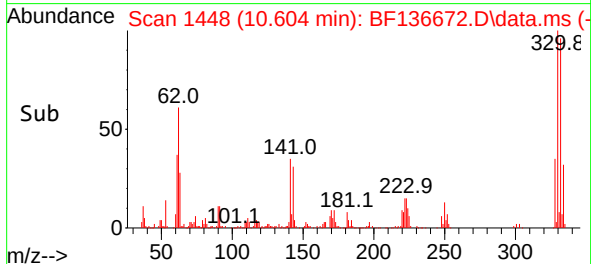
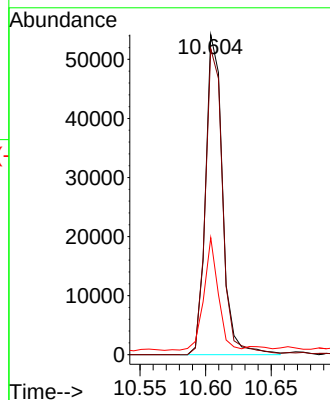
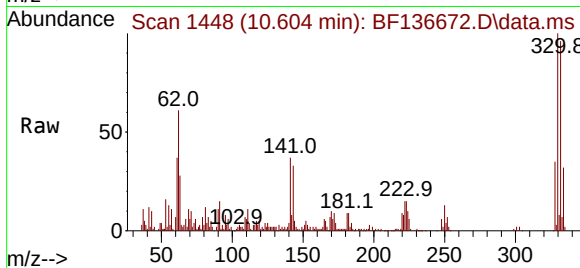
Tgt Ion:330 Resp: 48933

Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.0

141 29.8 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 39.474 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

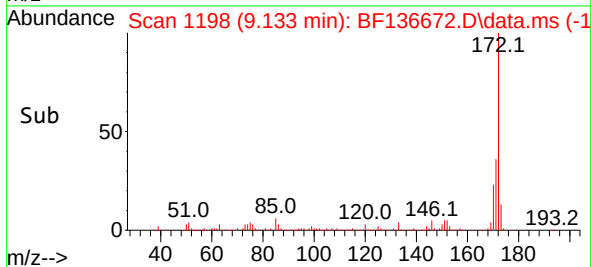
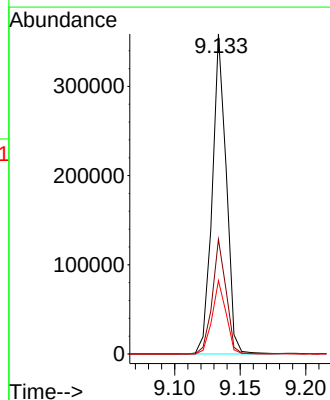
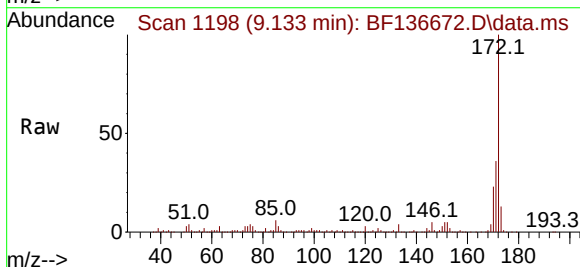
Tgt Ion:172 Resp: 266865

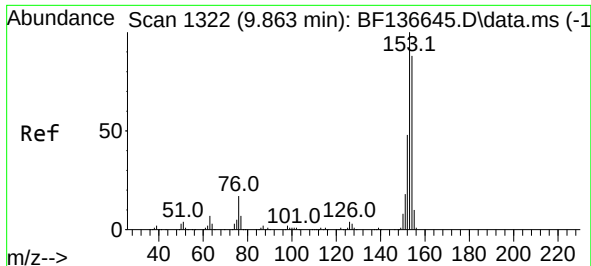
Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.6

170 22.9 19.0 28.4

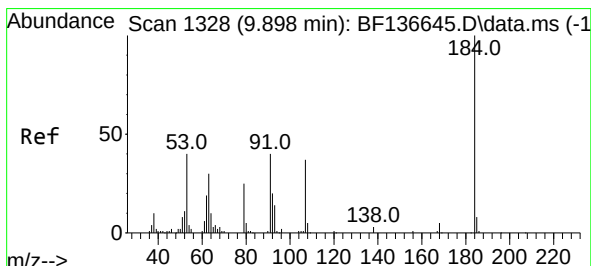
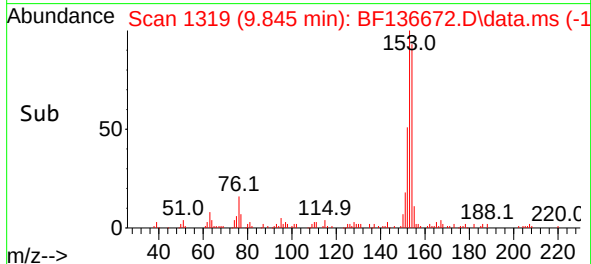
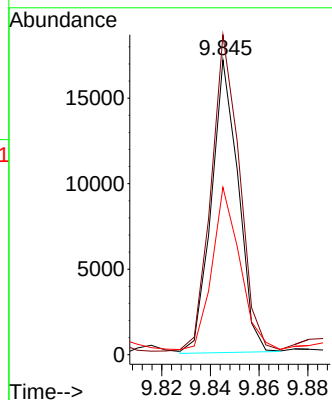
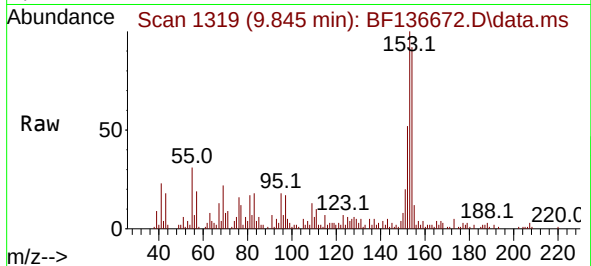




#52
Acenaphthene
Concen: 2.394 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

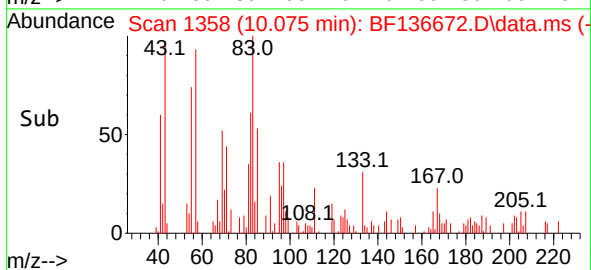
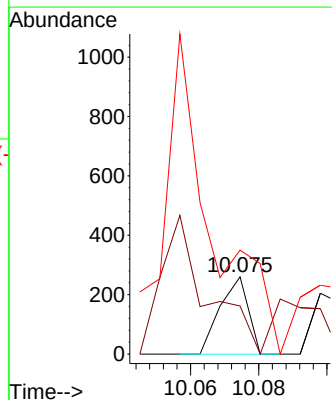
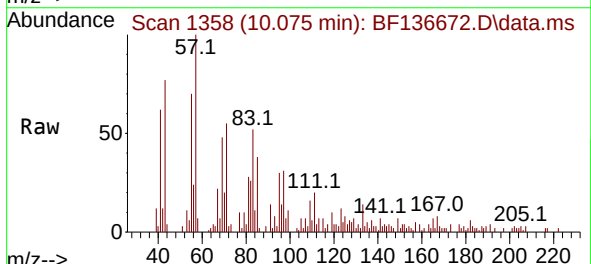
Instrument :
BNA_F
ClientSampleId :
CHRT-20017

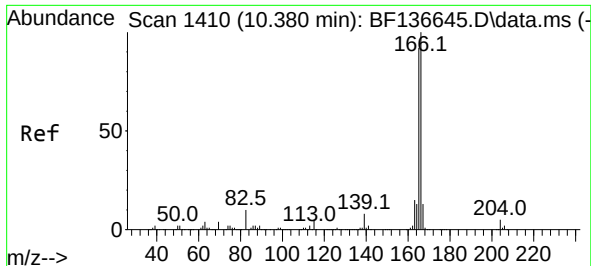
Tgt Ion:154 Resp: 13158
Ion Ratio Lower Upper
154 100
153 108.5 90.7 136.1
152 56.7 43.7 65.5



#54
2,4-Dinitrophenol
Concen: 3.905 ng
RT: 10.075 min Scan# 1358
Delta R.T. 0.176 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:184 Resp: 149
Ion Ratio Lower Upper
184 100
63 62.3 40.9 61.3#
154 134.6 42.7 64.1#

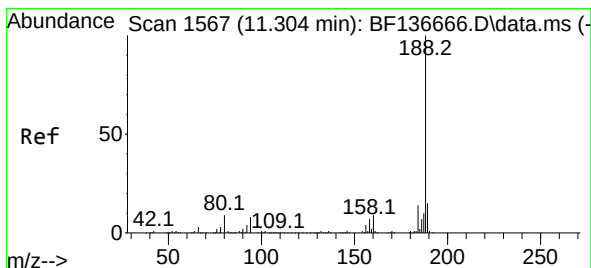
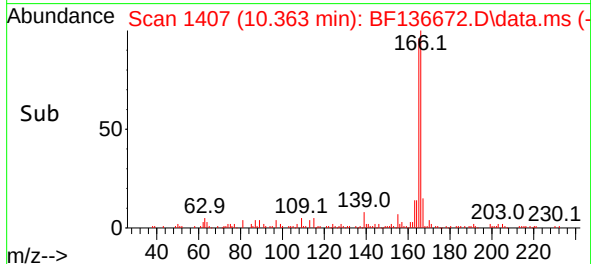
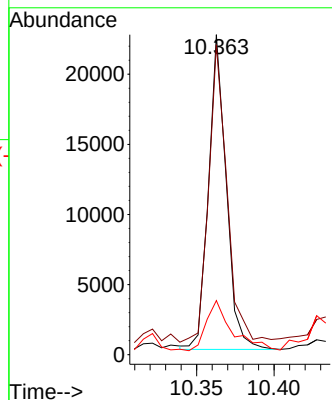
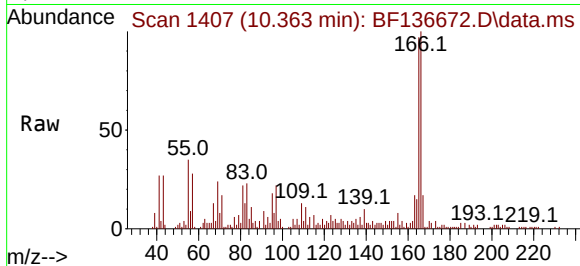




#58
Fluorene
Concen: 2.707 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

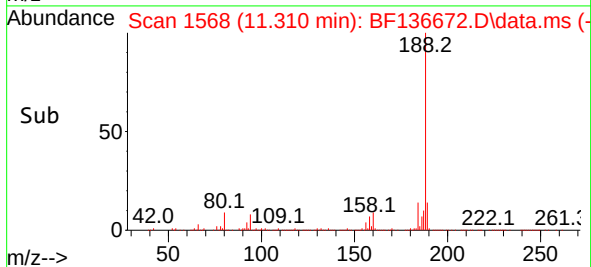
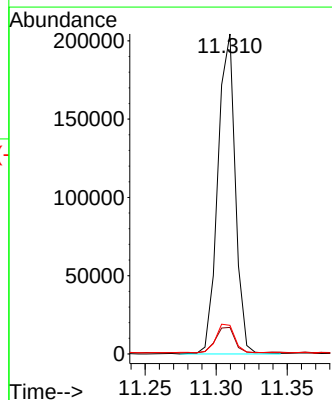
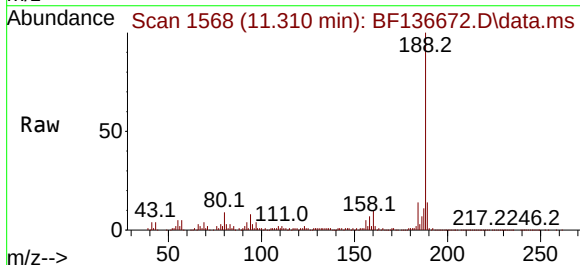
Instrument :
BNA_F
ClientSampleId :
CHRT-20017

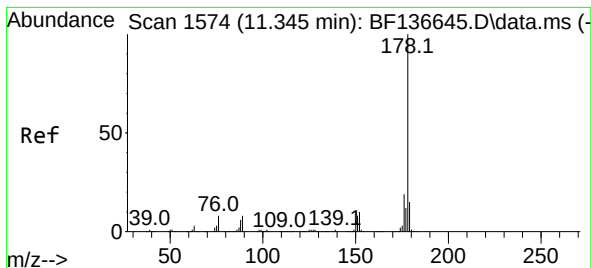
Tgt Ion:166 Resp: 17896
Ion Ratio Lower Upper
166 100
165 96.8 73.7 110.5
167 16.9 10.4 15.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:188 Resp: 175105
Ion Ratio Lower Upper
188 100
94 8.3 7.5 11.3
80 9.0 8.1 12.1





#71

Phenanthrene

Concen: 22.392 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

ClientSampleId :

CHRT-20017

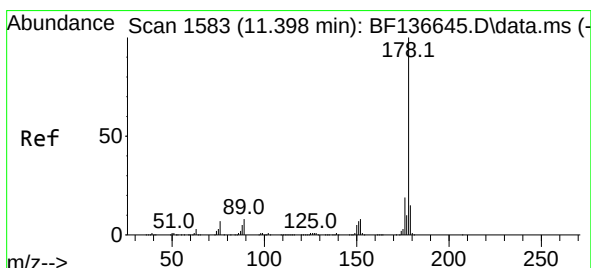
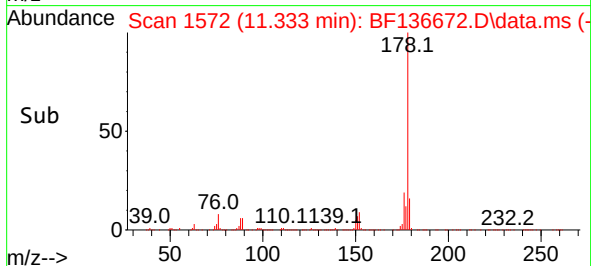
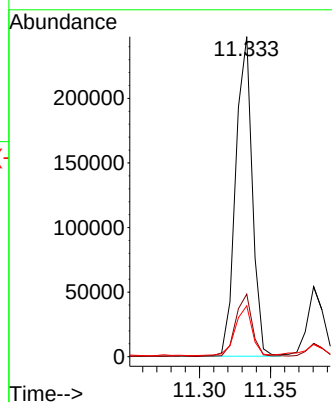
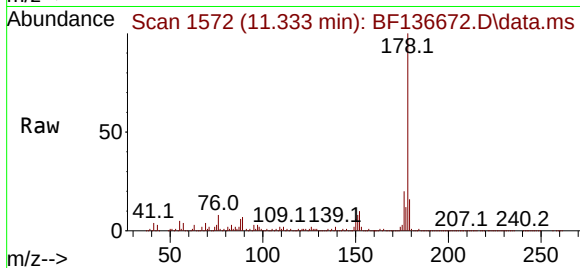
Tgt Ion:178 Resp: 201187

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

179 15.9 11.9 17.9



#72

Anthracene

Concen: 22.111 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.065 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

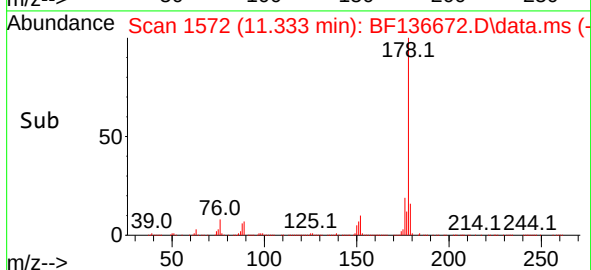
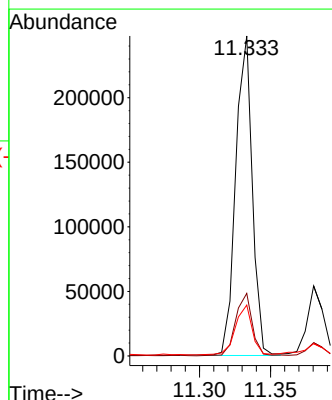
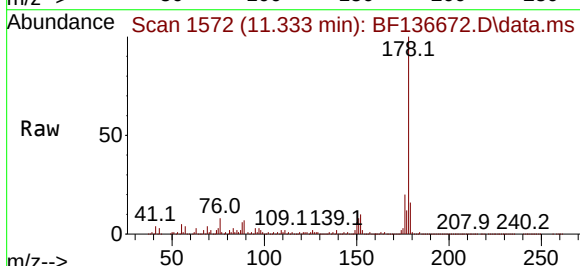
Tgt Ion:178 Resp: 201187

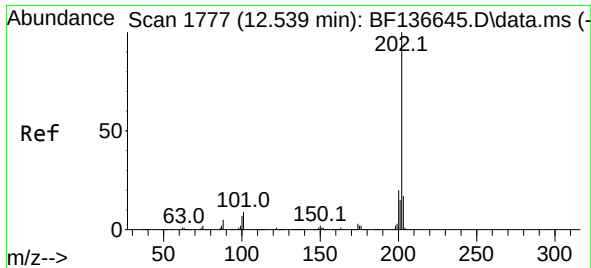
Ion Ratio Lower Upper

178 100

176 19.6 14.9 22.3

179 15.9 11.8 17.6

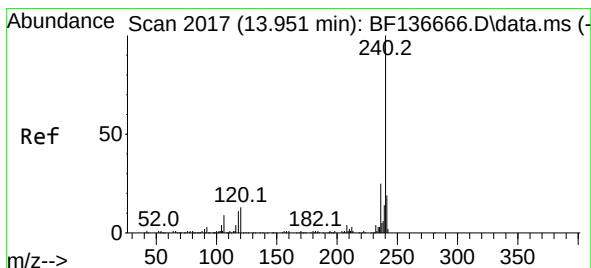
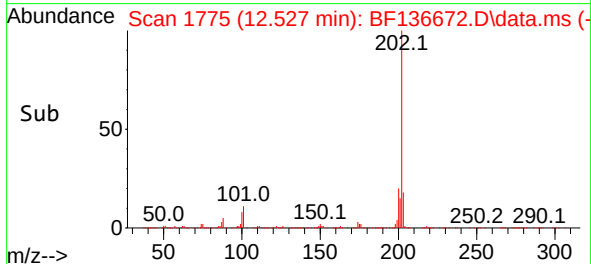
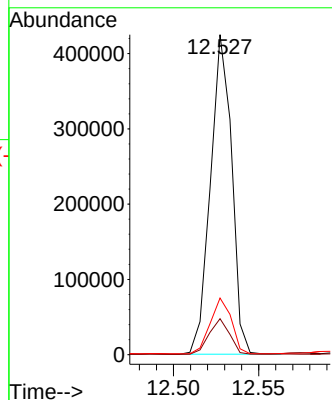
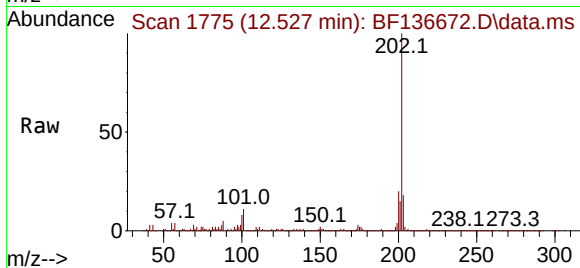




#75
Fluoranthene
Concen: 38.453 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

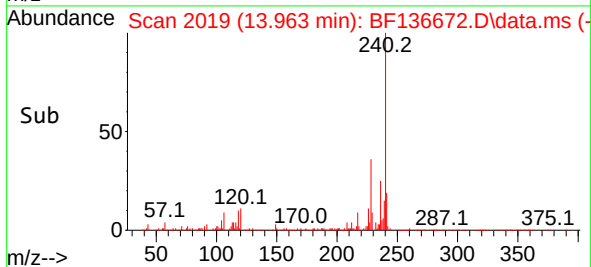
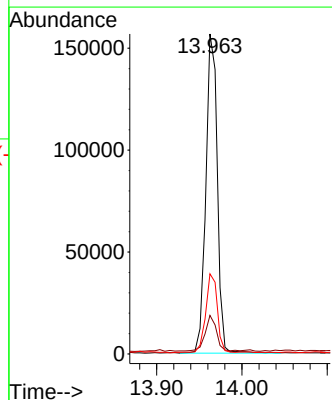
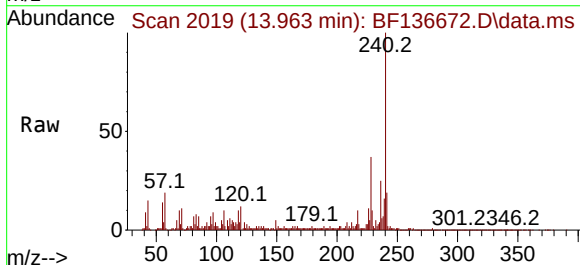
Instrument :
BNA_F
ClientSampleId :
CHRT-20017

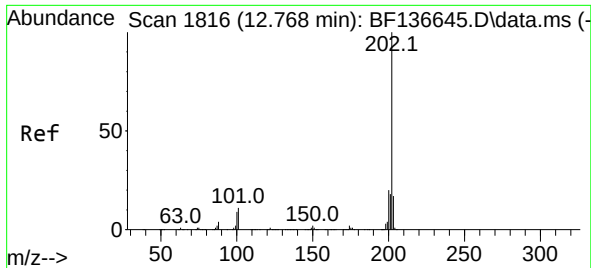
Tgt Ion:202 Resp: 369552
Ion Ratio Lower Upper
202 100
101 11.3 0.0 29.3
203 17.7 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:240 Resp: 146395
Ion Ratio Lower Upper
240 100
120 12.0 10.3 15.5
236 25.1 19.4 29.2

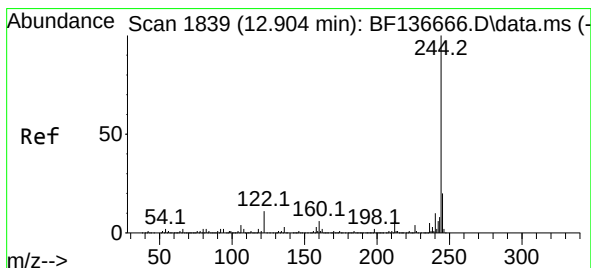
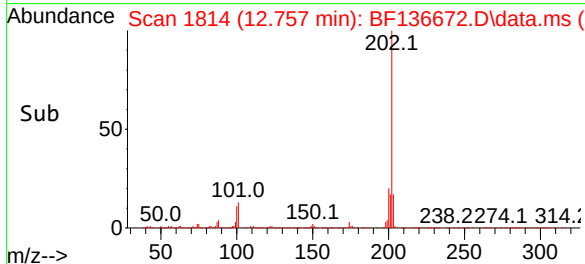
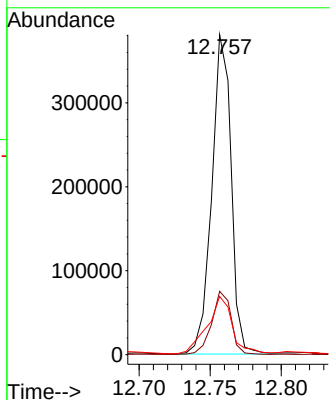
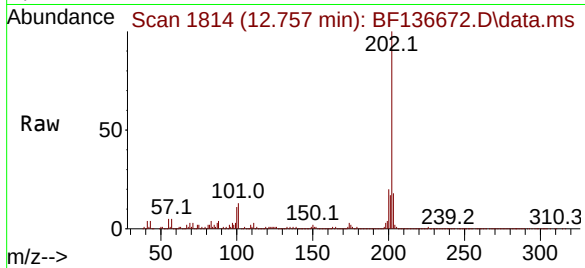




#78
 Pyrene
 Concen: 25.128 ng
 RT: 12.757 min Scan# 1816
 Delta R.T. -0.012 min
 Lab File: BF136672.D
 Acq: 21 Dec 2023 16:46

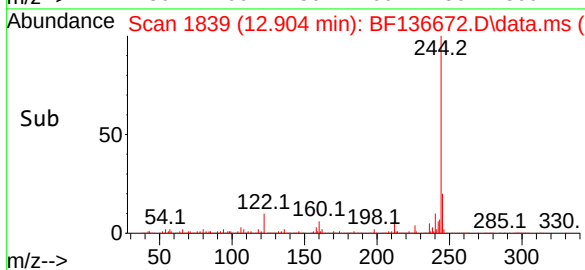
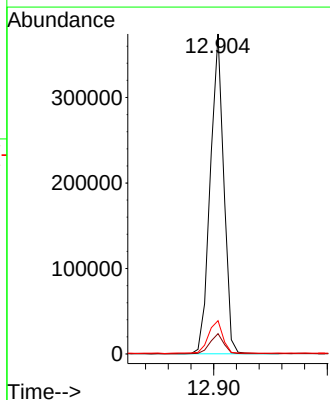
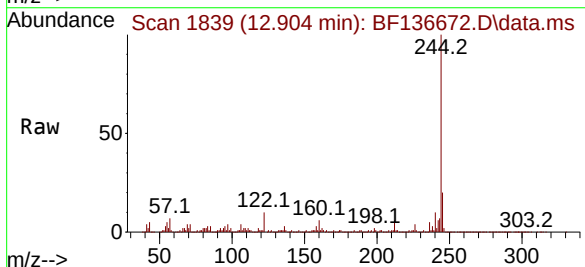
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20017

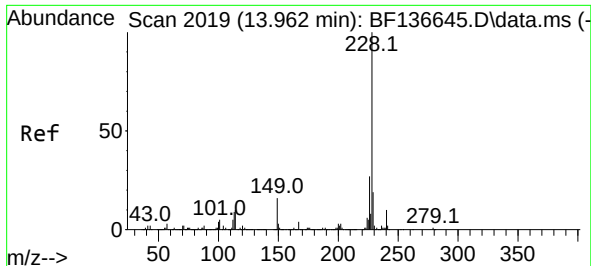
Tgt Ion:202 Resp: 361121
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.9 23.9
 203 18.2 13.8 20.6



#79
 Terphenyl-d14
 Concen: 29.387 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136672.D
 Acq: 21 Dec 2023 16:46

Tgt Ion:244 Resp: 307854
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 10.4 9.0 13.4

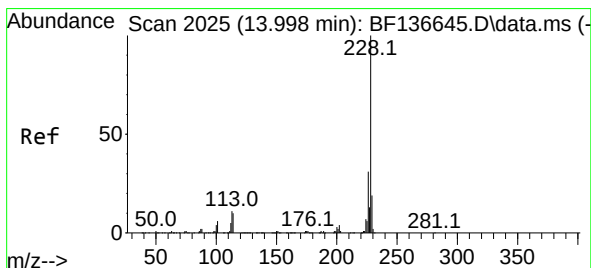
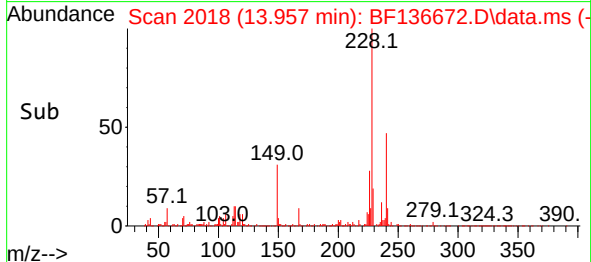
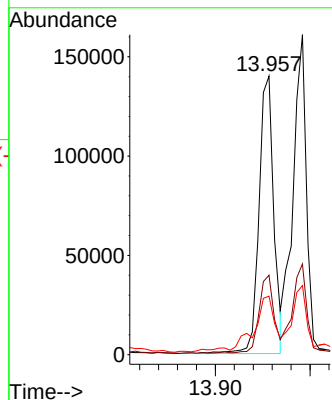
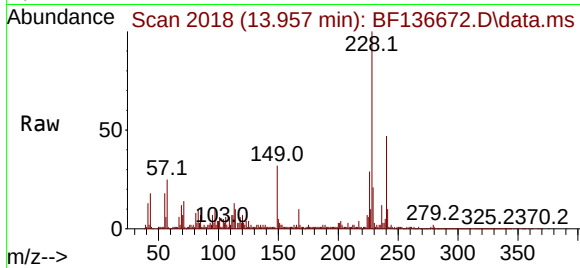




#81
Benzo(a)anthracene
Concen: 14.847 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

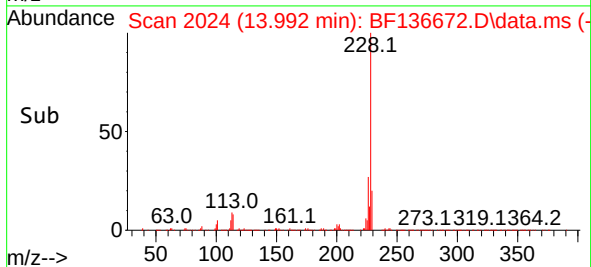
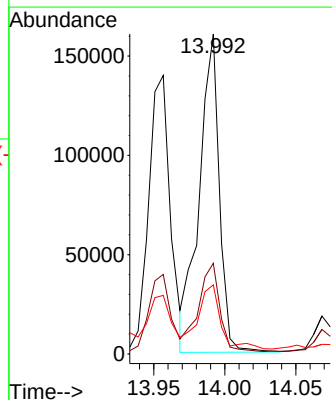
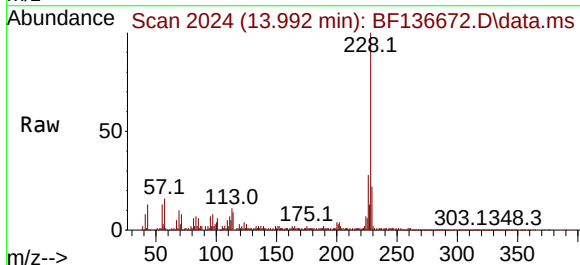
Instrument :
BNA_F
ClientSampleId :
CHRT-20017

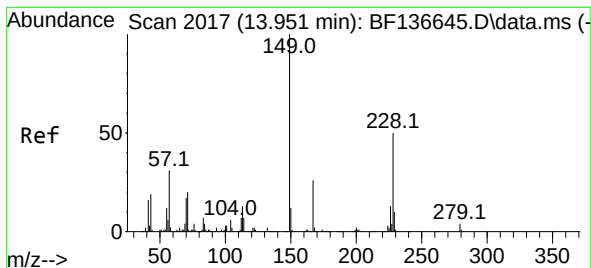
Tgt Ion:228 Resp: 150929
Ion Ratio Lower Upper
228 100
226 28.6 21.4 32.0
229 21.0 14.9 22.3



#83
Chrysene
Concen: 16.004 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:228 Resp: 159091
Ion Ratio Lower Upper
228 100
226 28.4 24.7 37.1
229 21.6 15.4 23.0

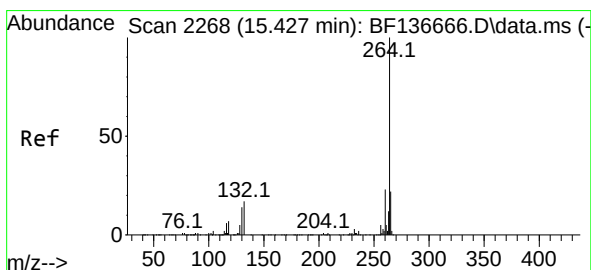
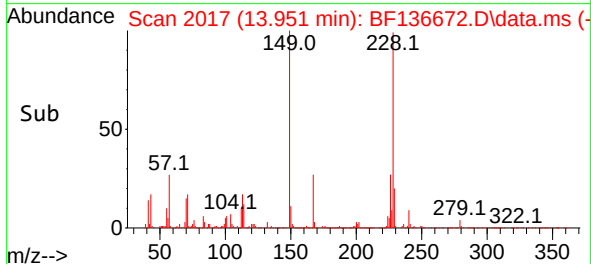
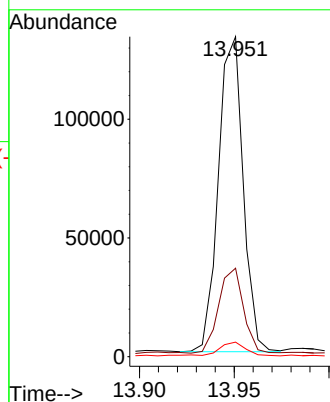
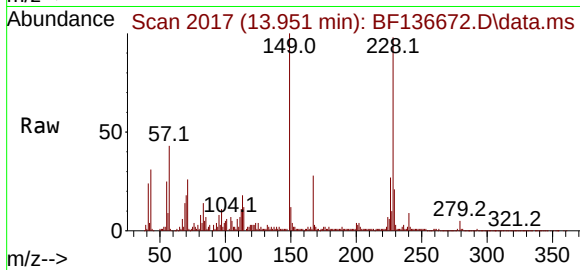




#84
Bis(2-ethylhexyl)phthalate
Concen: 18.354 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

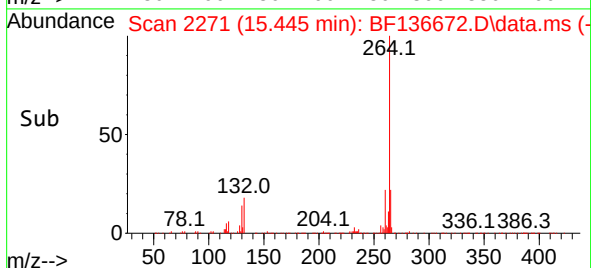
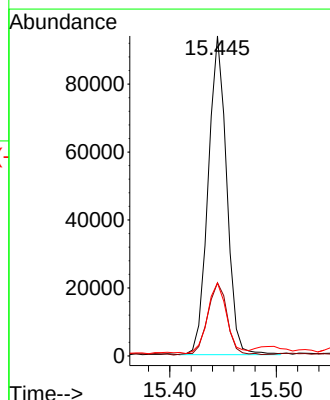
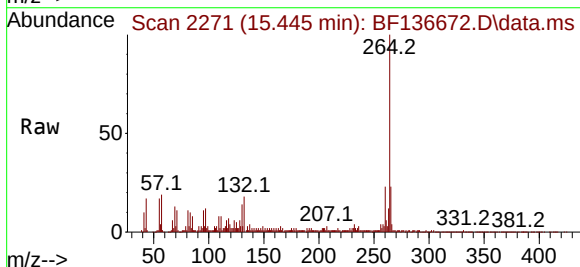
Instrument :
BNA_F
ClientSampleId :
CHRT-20017

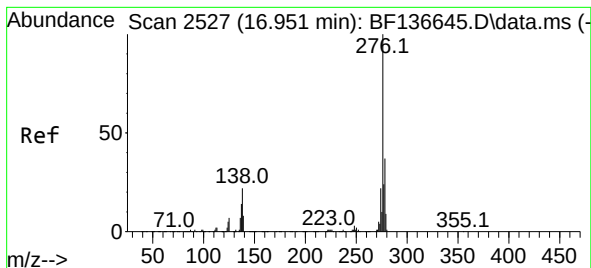
Tgt Ion:149 Resp: 120758
Ion Ratio Lower Upper
149 100
167 27.6 20.9 31.3
279 4.6 2.9 4.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:264 Resp: 112891
Ion Ratio Lower Upper
264 100
260 22.9 18.3 27.5
265 22.8 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.282 ng

RT: 16.939 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

ClientSampleId :

CHRT-20017

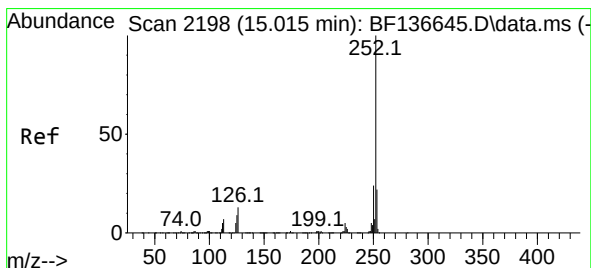
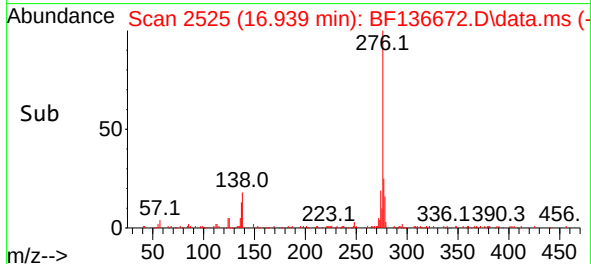
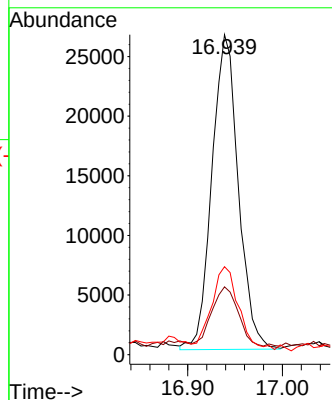
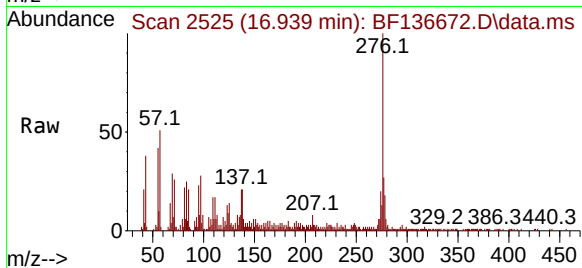
Tgt Ion:276 Resp: 51205

Ion Ratio Lower Upper

276 100

138 19.4 18.7 28.1

277 26.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 23.808 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136672.D

Acq: 21 Dec 2023 16:46

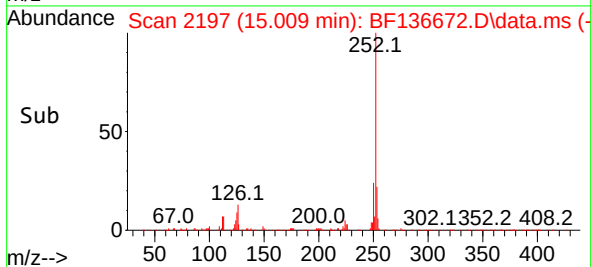
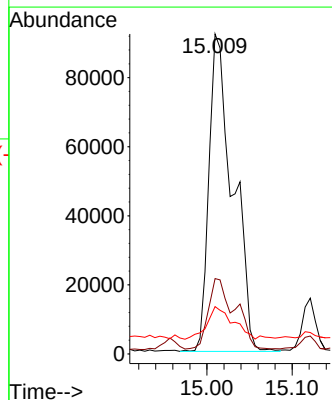
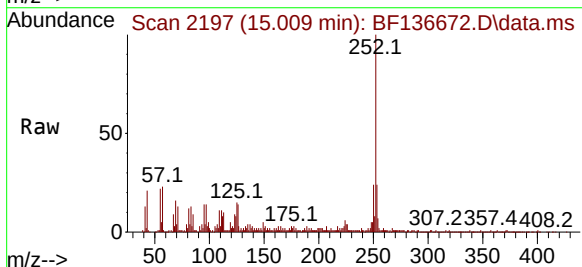
Tgt Ion:252 Resp: 179512

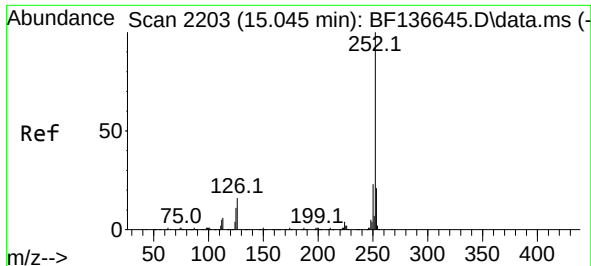
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 14.8 7.4 11.2#

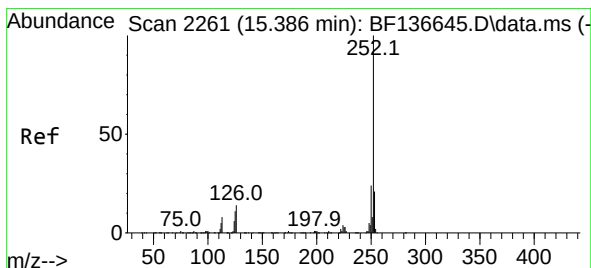
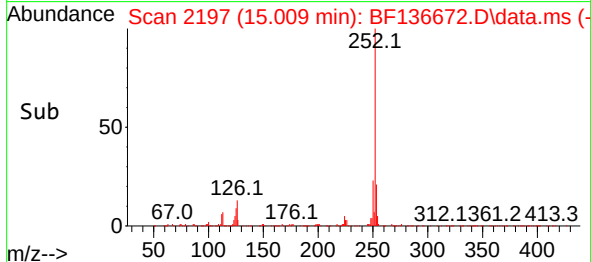
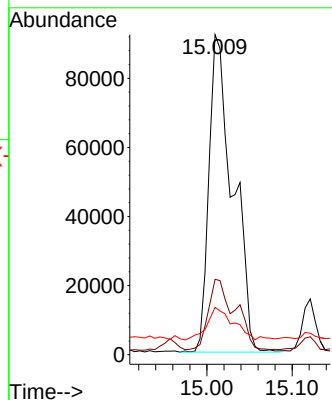
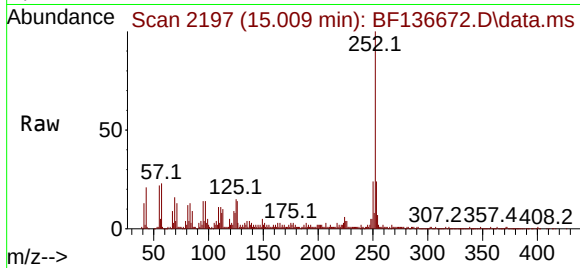




#89
Benzo(k)fluoranthene
Concen: 25.196 ng
RT: 15.009 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

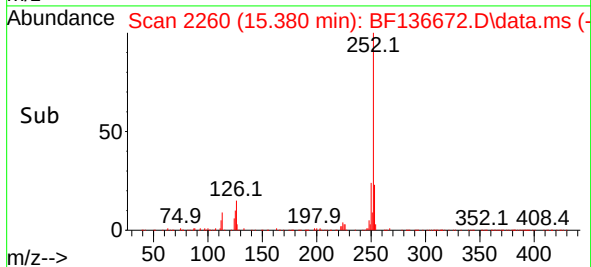
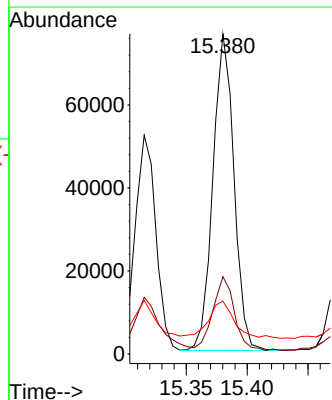
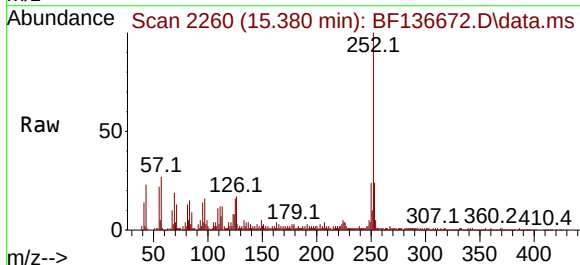
Instrument :
BNA_F
ClientSampleId :
CHRT-20017

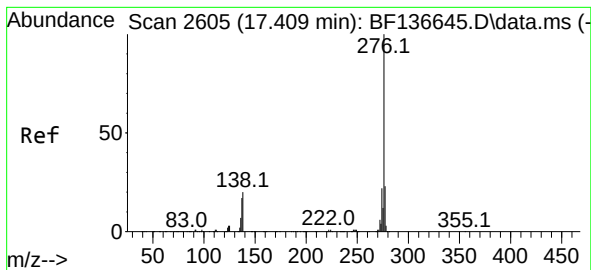
Tgt Ion:252 Resp: 179512
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 14.8 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 14.403 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF136672.D
Acq: 21 Dec 2023 16:46

Tgt Ion:252 Resp: 91670
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 16.5 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 7.219 ng

RT: 17.392 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF136672.D

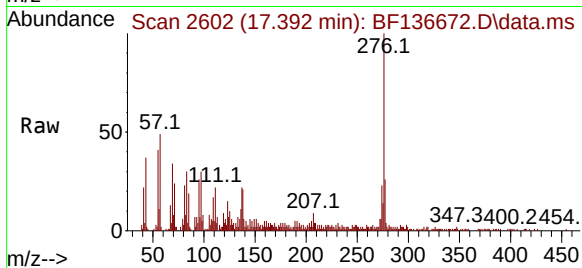
Acq: 21 Dec 2023 16:46

Instrument :

BNA_F

ClientSampleId :

CHRT-20017



Tgt Ion:276 Resp: 49440

Ion Ratio Lower Upper

276 100

277 25.6 18.3 27.5

138 20.9 15.6 23.4

