

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122123\
 Data File : BF136670.D
 Acq On : 21 Dec 2023 15:43
 Operator : CG\JU
 Sample : 05832-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20103

Quant Time: Dec 21 16:01:20 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)

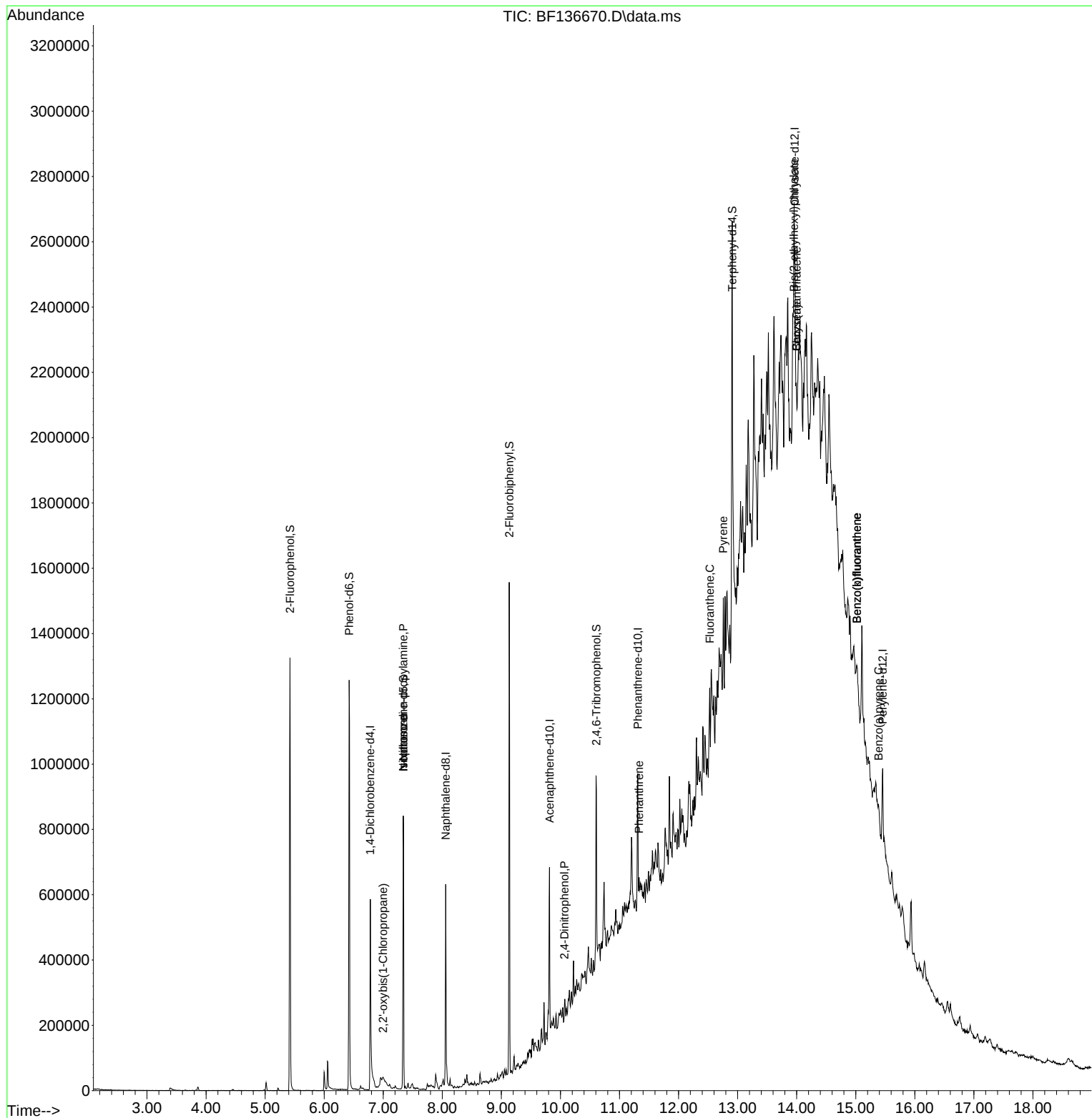
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	68108	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	231184	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	92237	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	160732	20.000	ng	0.00
76) Chrysene-d12	13.968	240	130948	20.000	ng	0.00
86) Perylene-d12	15.457	264	121133	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	363600	83.297	ng	0.00
7) Phenol-d6	6.422	99	435082	76.922	ng	-0.02
23) Nitrobenzene-d5	7.340	82	261809	57.950	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	81880	75.375	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	448628	65.418	ng	-0.02
79) Terphenyl-d14	12.910	244	428517	45.731	ng	0.00
Target Compounds						Qvalue
16) 2,2'-oxybis(1-Chloropr...	6.998	45	23250	3.097	ng	67
19) n-Nitroso-di-n-propyla...	7.340	70	35597	10.382	ng	# 75
25) Isophorone	7.340	82	260334	31.668	ng	# 65
54) 2,4-Dinitrophenol	10.069	184	83	3.828	ng	# 29
71) Phenanthrene	11.333	178	28254	3.426	ng	# 91
75) Fluoranthene	12.527	202	69346	7.861	ng	95
78) Pyrene	12.757	202	53460	4.159	ng	97
81) Benzo(a)anthracene	13.998	228	29430	3.237	ng	97
83) Chrysene	13.998	228	29430	3.310	ng	93
84) Bis(2-ethylhexyl)phtha...	13.957	149	124543	21.162	ng	94
88) Benzo(b)fluoranthene	15.021	252	42216	5.218	ng	# 18
89) Benzo(k)fluoranthene	15.021	252	42216	5.522	ng	# 15
90) Benzo(a)pyrene	15.386	252	17263	2.528	ng	# 5

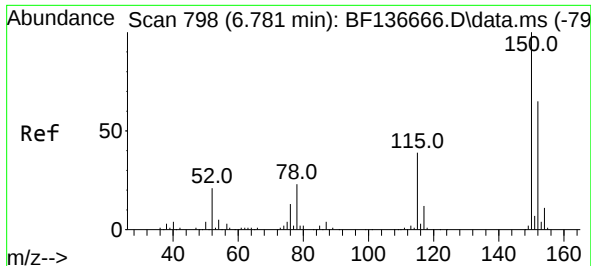
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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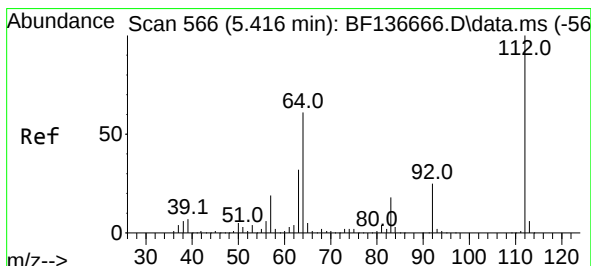
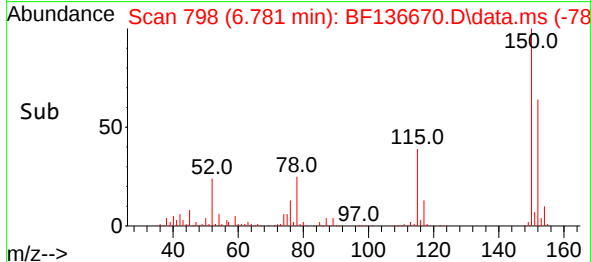
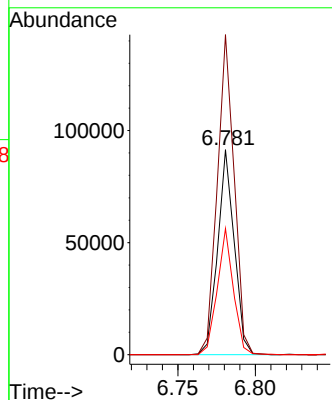
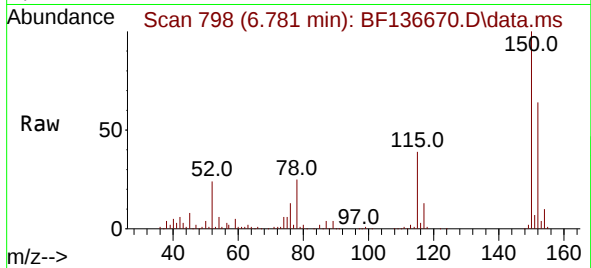




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

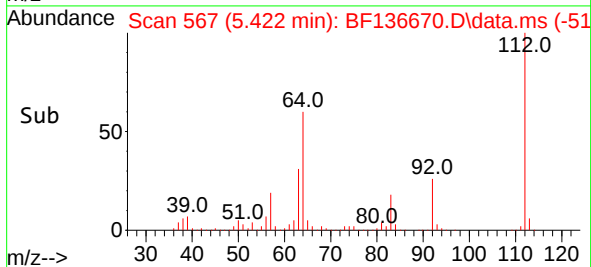
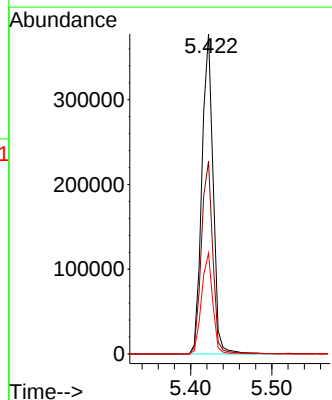
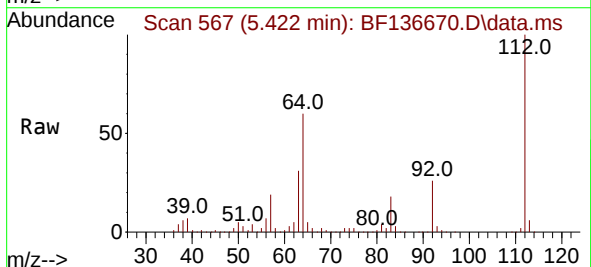
Instrument :
BNA_F
ClientSampleId :
CHRT-20103

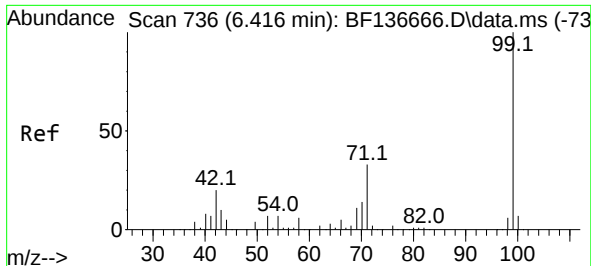
Tgt Ion:152 Resp: 68108
Ion Ratio Lower Upper
152 100
150 156.2 127.0 190.6
115 61.5 49.0 73.4



#5
2-Fluorophenol
Concen: 83.297 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Tgt Ion:112 Resp: 363600
Ion Ratio Lower Upper
112 100
64 60.2 51.1 76.7
63 31.5 26.1 39.1





#7

Phenol-d6

Concen: 76.922 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF136670.D

Acq: 21 Dec 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CHRT-20103

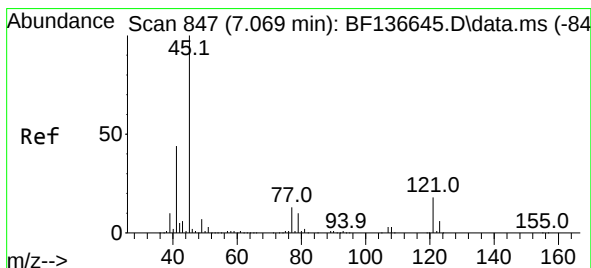
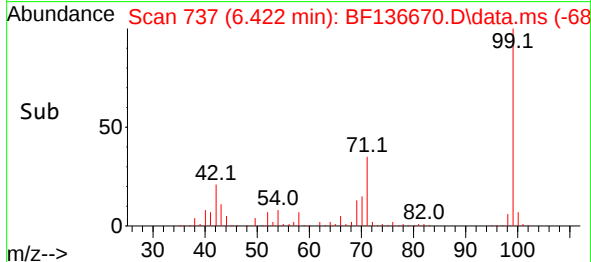
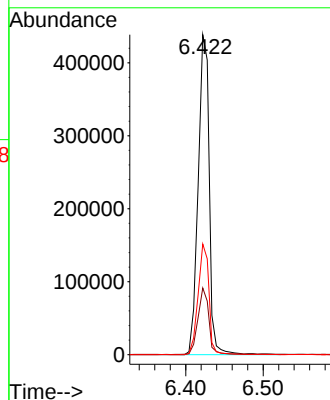
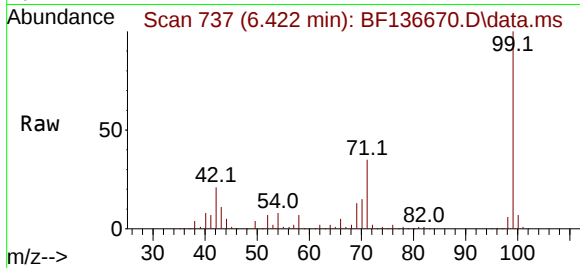
Tgt Ion: 99 Resp: 435082

Ion Ratio Lower Upper

99 100

42 20.9 16.1 24.1

71 34.6 27.4 41.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.097 ng

RT: 6.998 min Scan# 835

Delta R.T. -0.070 min

Lab File: BF136670.D

Acq: 21 Dec 2023 15:43

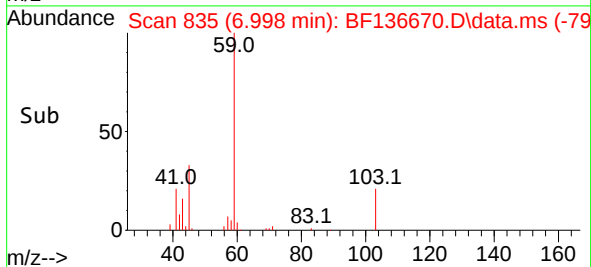
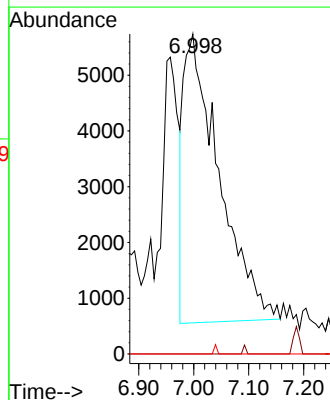
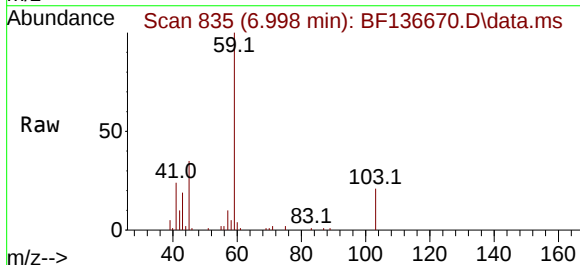
Tgt Ion: 45 Resp: 23250

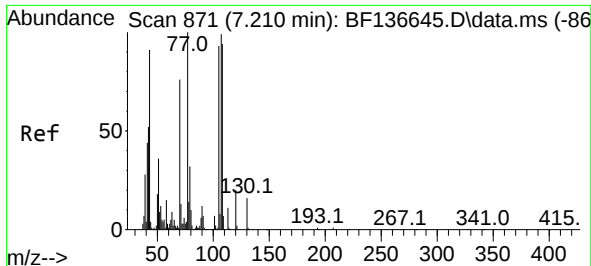
Ion Ratio Lower Upper

45 100

77 0.0 0.0 34.3

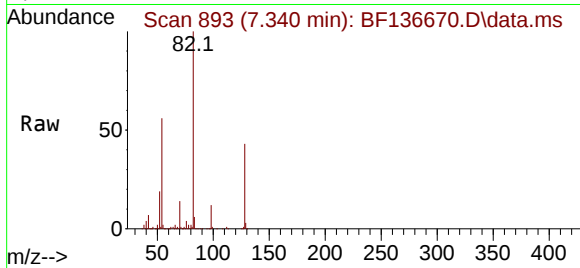
79 0.0 0.0 31.4



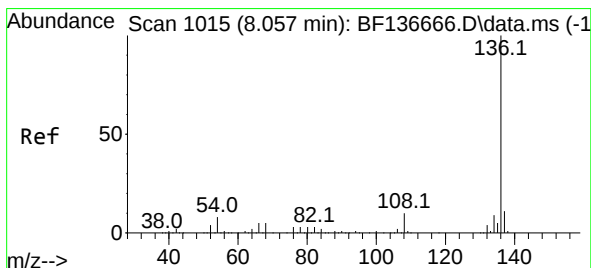
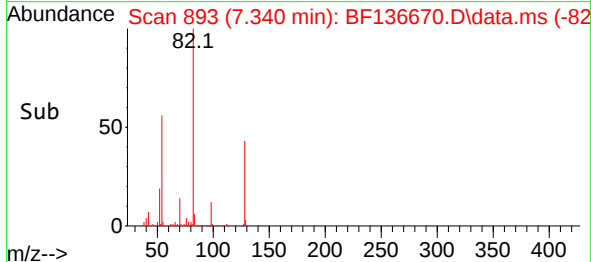
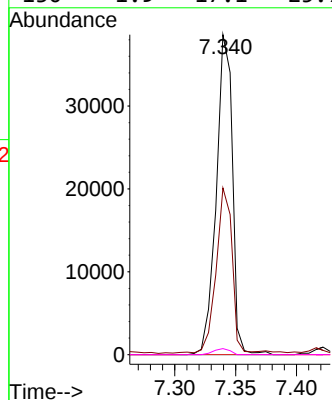


#19
n-Nitroso-di-n-propylamine
Concen: 10.382 ng
RT: 7.340 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Instrument :
BNA_F
ClientSampleId :
CHRT-20103

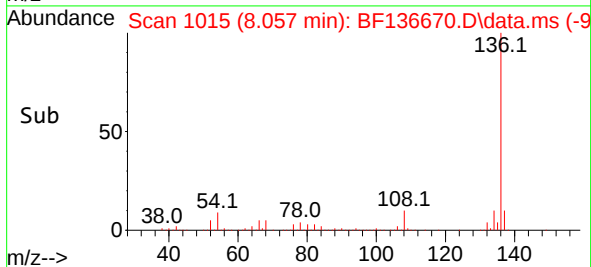
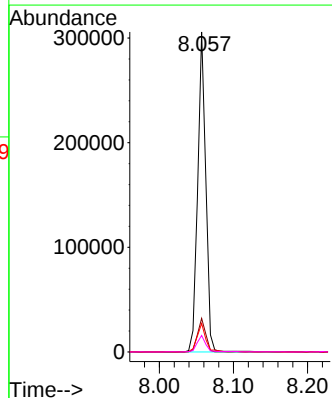
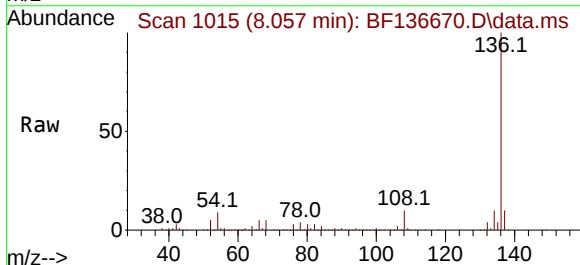


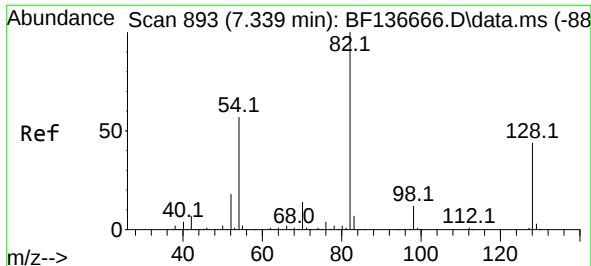
Tgt Ion: 70 Resp: 35597
Ion Ratio Lower Upper
70 100
42 52.1 54.2 81.4#
101 0.0 7.6 11.4#
130 1.9 17.1 25.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Tgt Ion: 136 Resp: 231184
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 8.9 7.2 10.8
68 5.1 4.9 7.3

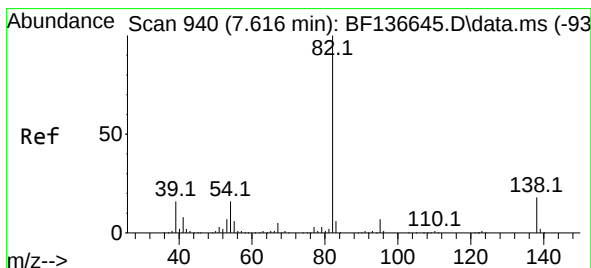
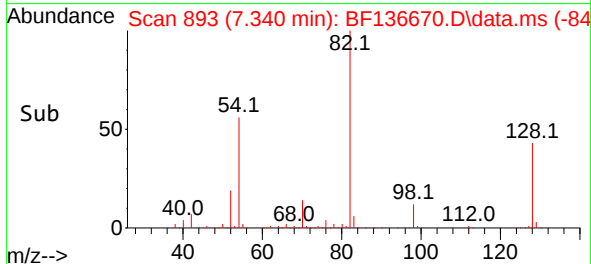
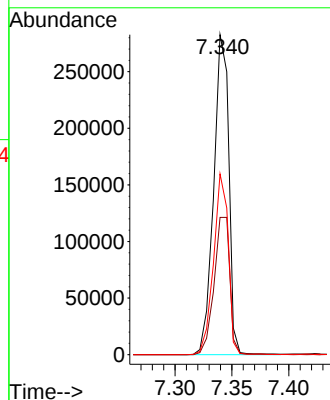
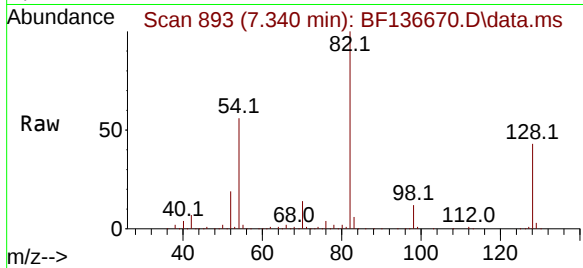




#23
Nitrobenzene-d5
Concen: 57.950 ng
RT: 7.340 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

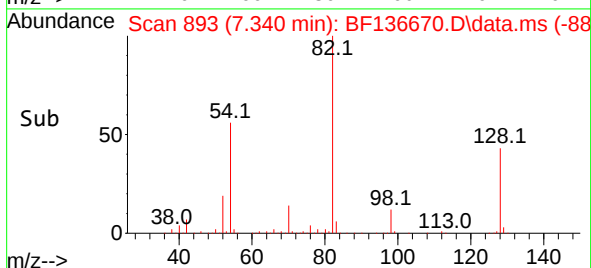
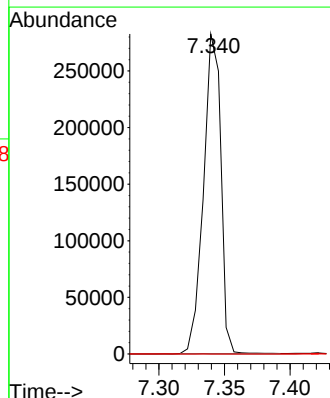
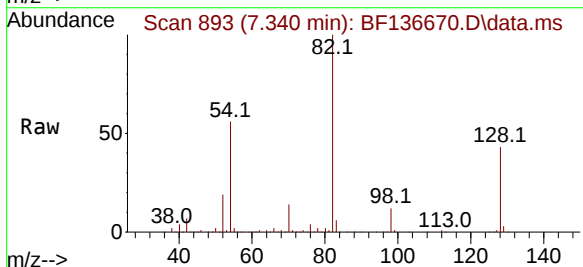
Instrument :
BNA_F
ClientSampleId :
CHRT-20103

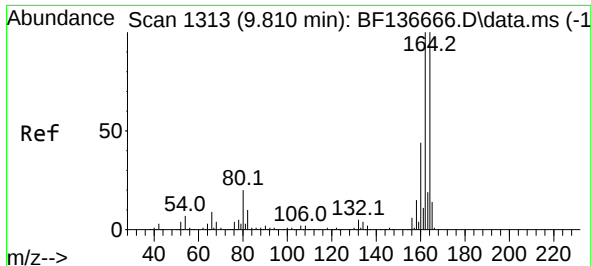
Tgt Ion: 82 Resp: 261809
Ion Ratio Lower Upper
82 100
128 42.9 35.3 52.9
54 56.5 44.5 66.7



#25
Isophorone
Concen: 31.668 ng
RT: 7.340 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Tgt Ion: 82 Resp: 260334
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#

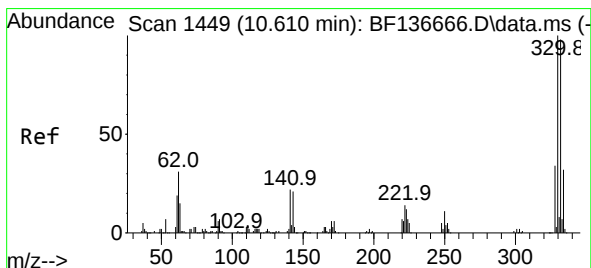
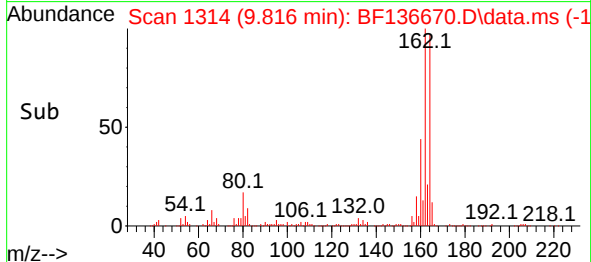
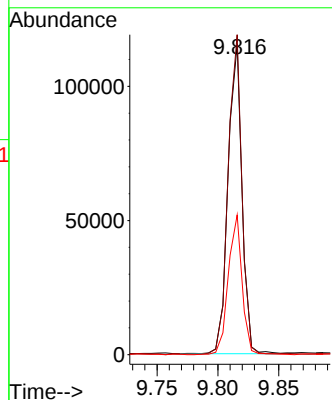
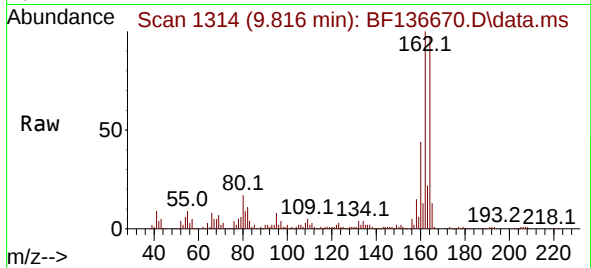




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

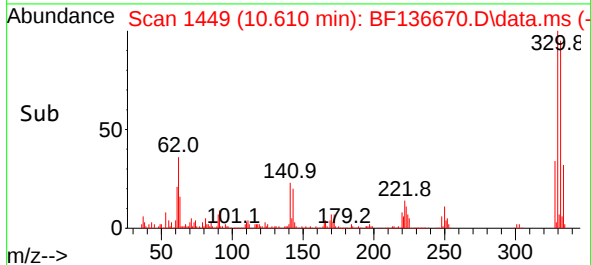
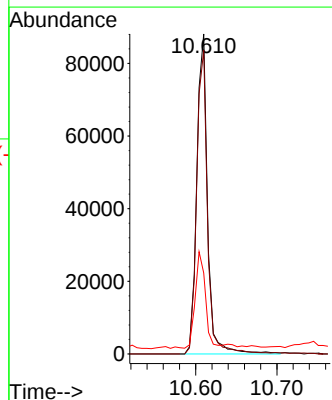
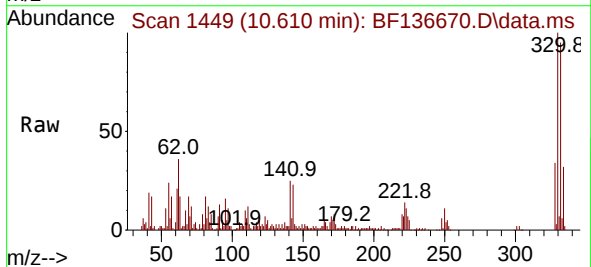
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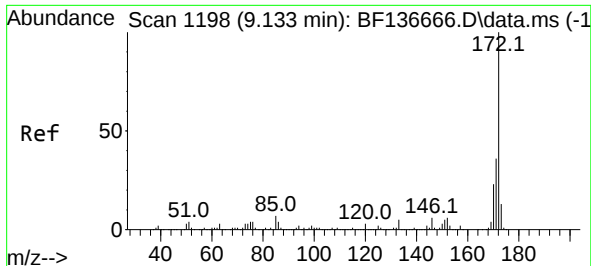
Tgt Ion:164 Resp: 92237
Ion Ratio Lower Upper
164 100
162 103.1 81.6 122.4
160 45.0 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 75.375 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Tgt Ion:330 Resp: 81880
Ion Ratio Lower Upper
330 100
332 95.2 77.4 116.0
141 28.2 23.4 35.2

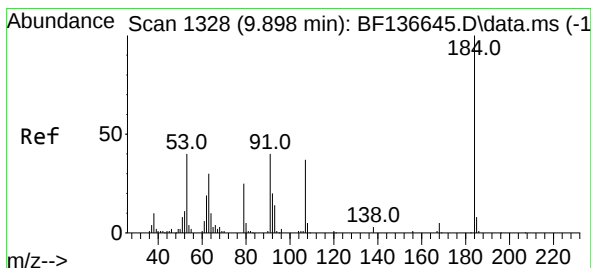
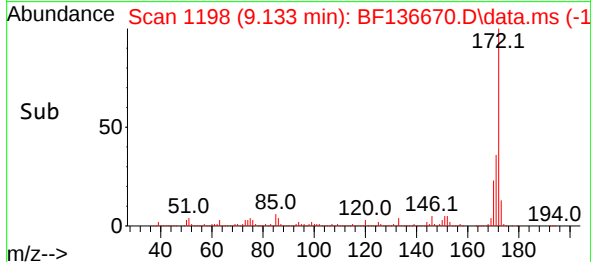
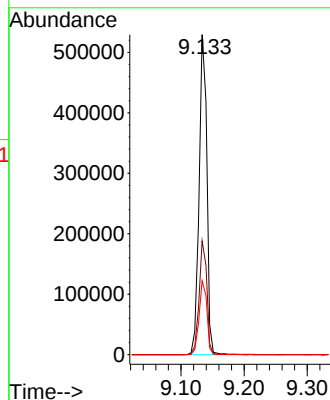
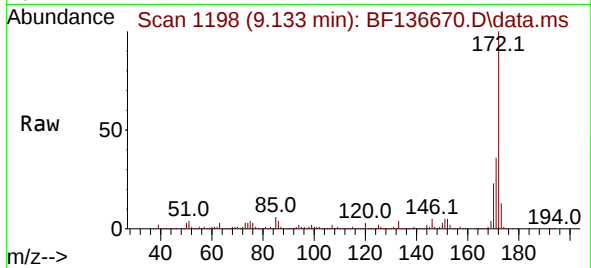




#45
2-Fluorobiphenyl
Concen: 65.418 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

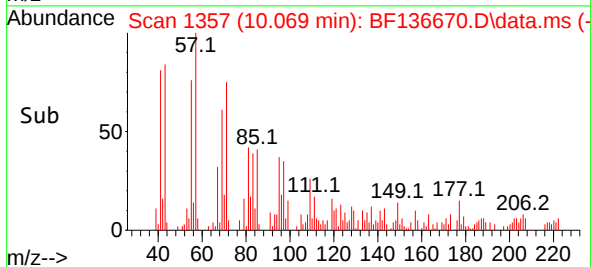
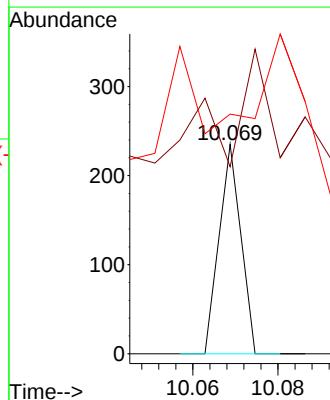
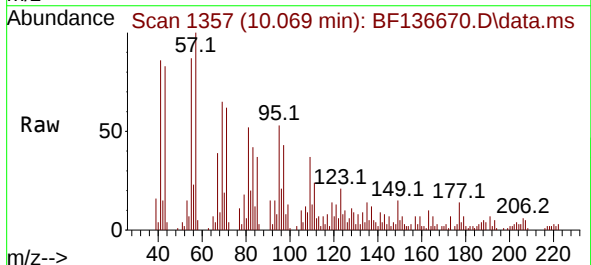
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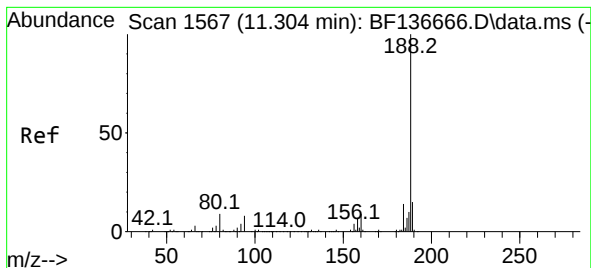
Tgt Ion:172 Resp: 448628
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.6
170 23.1 19.0 28.4



#54
2,4-Dinitrophenol
Concen: 3.828 ng
RT: 10.069 min Scan# 1357
Delta R.T. 0.171 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Tgt Ion:184 Resp: 83
Ion Ratio Lower Upper
184 100
63 89.4 40.9 61.3#
154 114.5 42.7 64.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136670.D

Acq: 21 Dec 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CHRT-20103

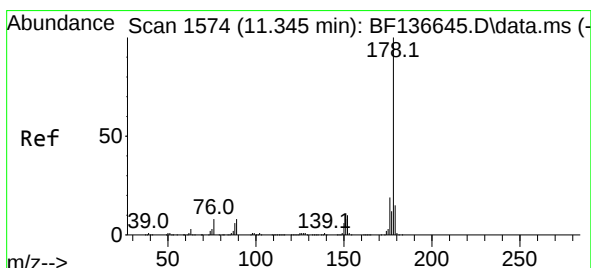
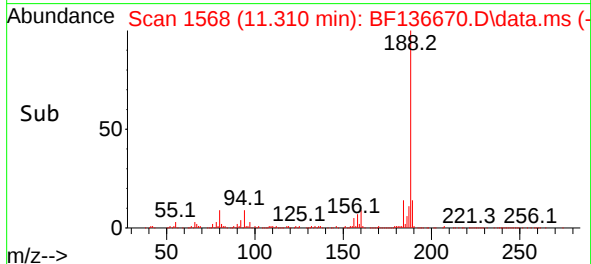
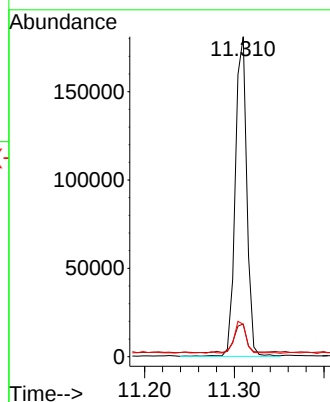
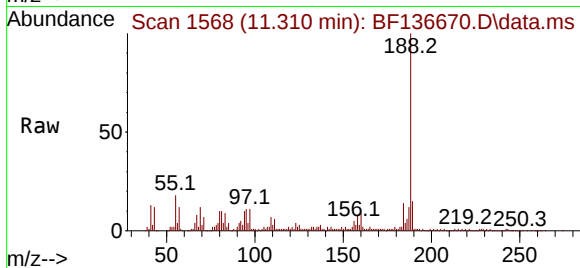
Tgt Ion:188 Resp: 160732

Ion Ratio Lower Upper

188 100

94 10.2 7.5 11.3

80 10.1 8.1 12.1



#71

Phenanthrene

Concen: 3.426 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136670.D

Acq: 21 Dec 2023 15:43

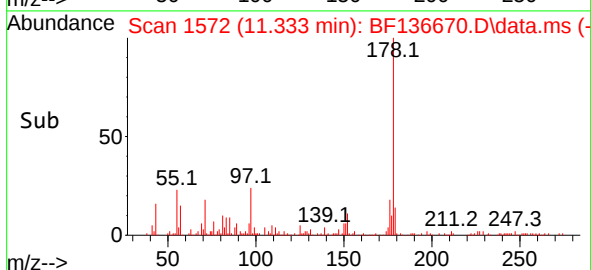
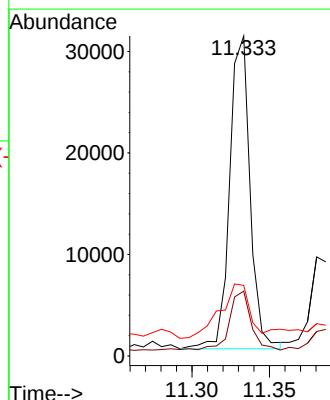
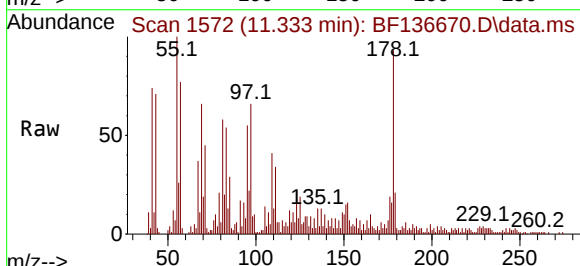
Tgt Ion:178 Resp: 28254

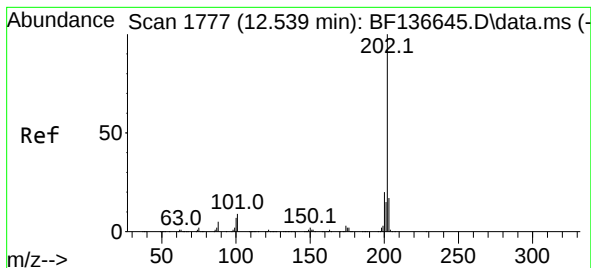
Ion Ratio Lower Upper

178 100

176 20.3 15.3 22.9

179 22.0 11.9 17.9#





#75

Fluoranthene

Concen: 7.861 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136670.D

Acq: 21 Dec 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CHRT-20103

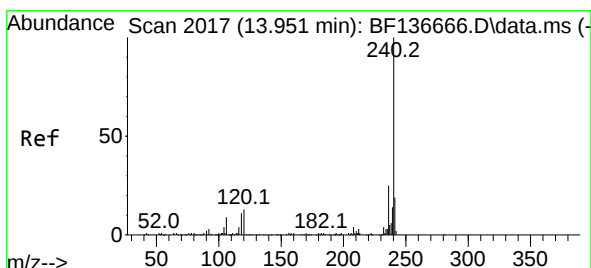
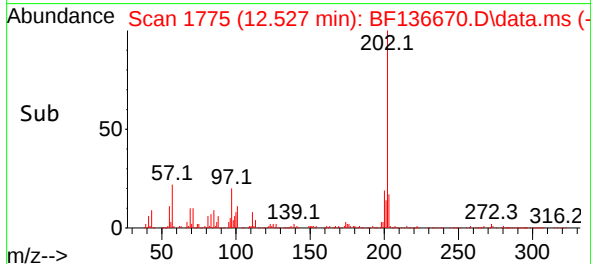
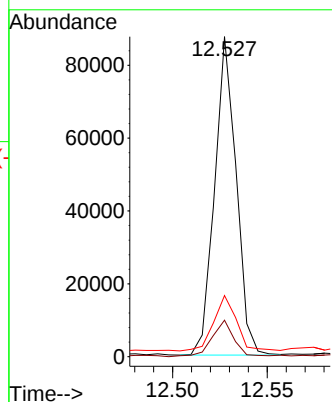
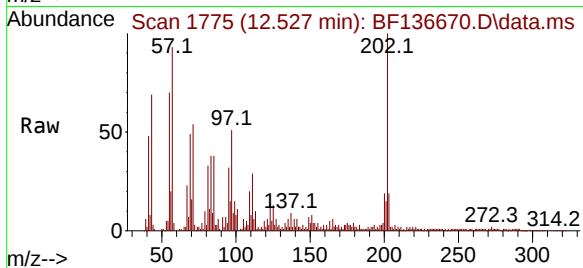
Tgt Ion:202 Resp: 69346

Ion Ratio Lower Upper

202 100

101 11.4 0.0 29.3

203 19.1 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF136670.D

Acq: 21 Dec 2023 15:43

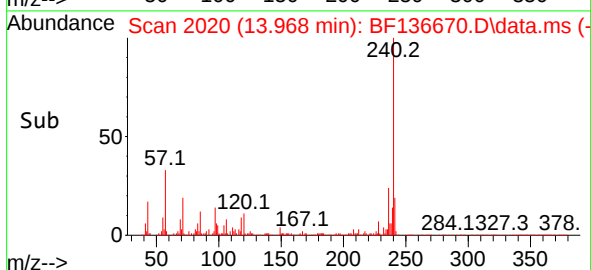
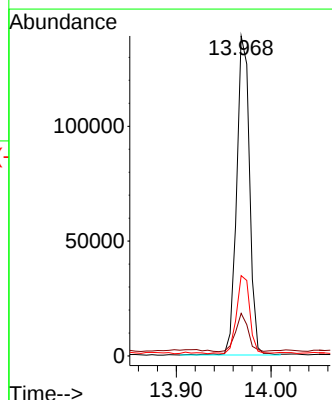
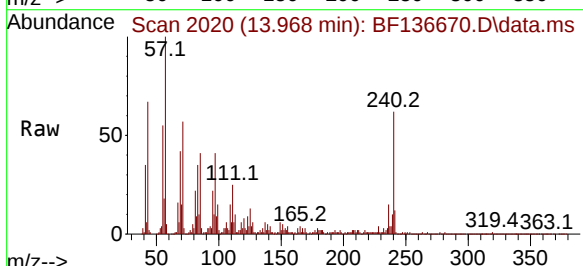
Tgt Ion:240 Resp: 130948

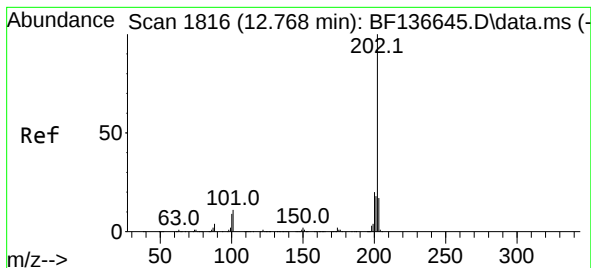
Ion Ratio Lower Upper

240 100

120 13.3 10.3 15.5

236 25.1 19.4 29.2





#78

Pyrene

Concen: 4.159 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136670.D

Acq: 21 Dec 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CHRT-20103

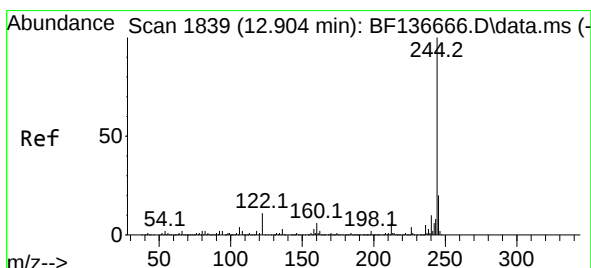
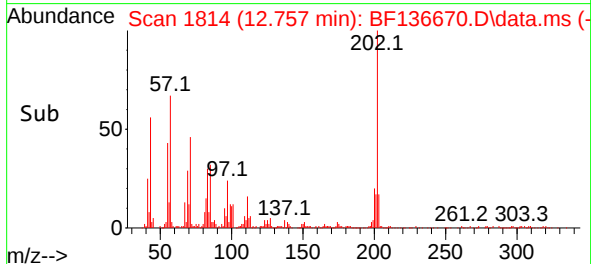
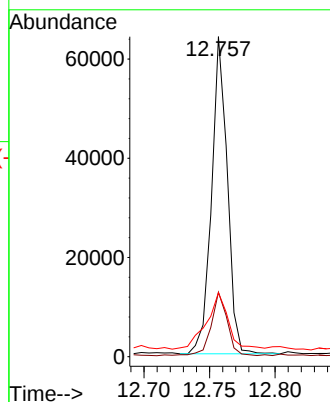
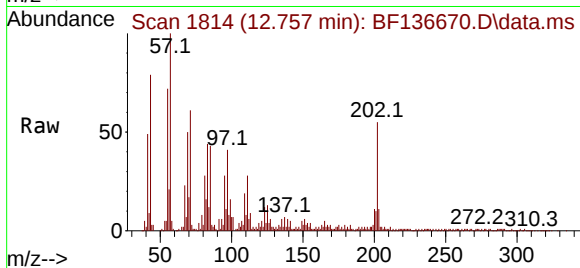
Tgt Ion:202 Resp: 53460

Ion Ratio Lower Upper

202 100

200 20.2 15.9 23.9

203 20.0 13.8 20.6



#79

Terphenyl-d14

Concen: 45.731 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF136670.D

Acq: 21 Dec 2023 15:43

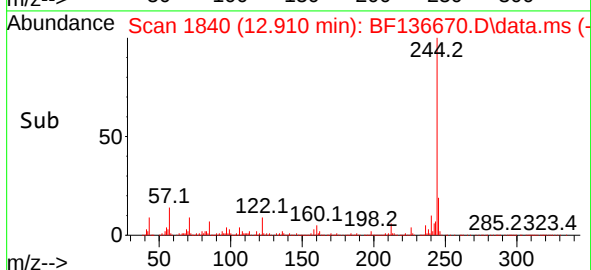
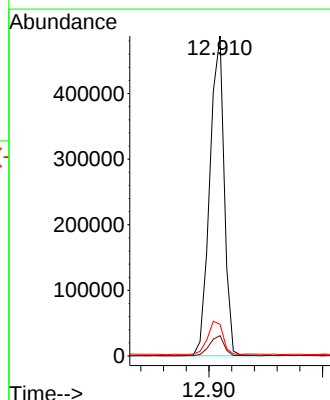
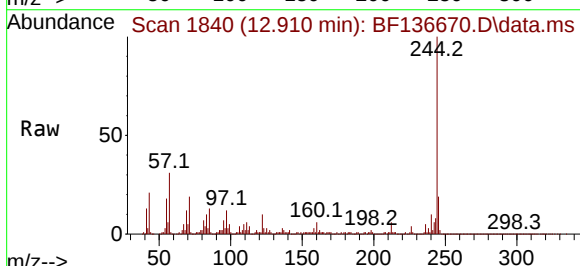
Tgt Ion:244 Resp: 428517

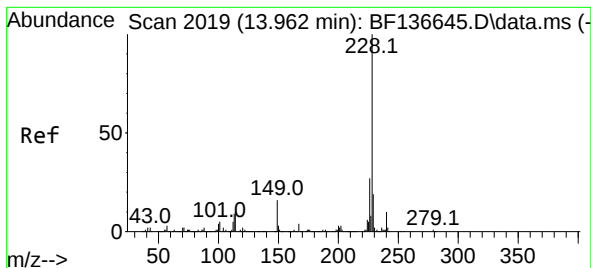
Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 9.9 9.0 13.4





#81

Benzo(a)anthracene

Concen: 3.237 ng

RT: 13.998 min Scan# 2019

Delta R.T. 0.035 min

Lab File: BF136670.D

Acq: 21 Dec 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CHRT-20103

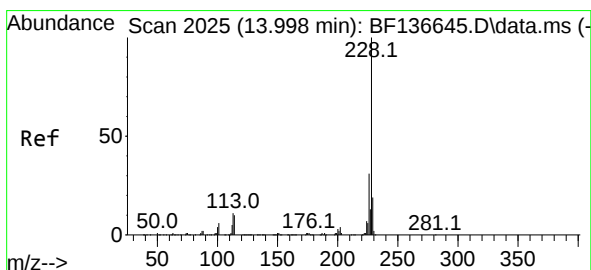
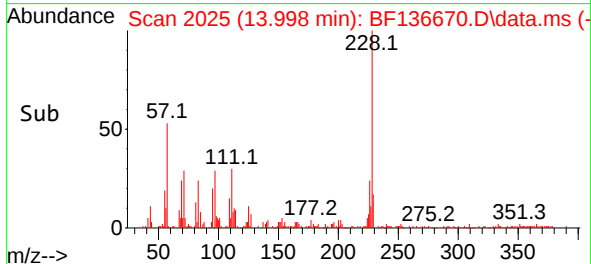
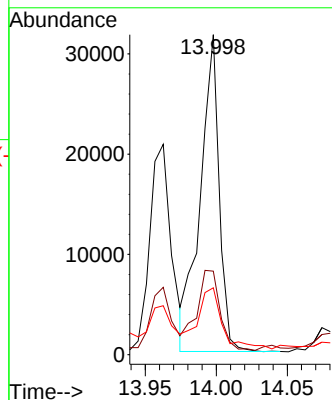
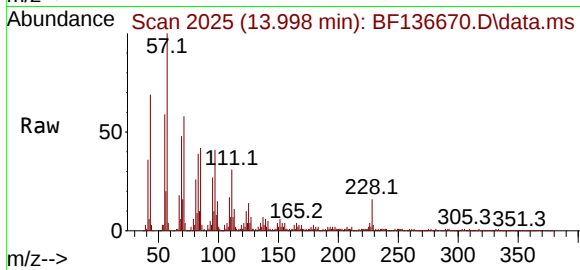
Tgt Ion:228 Resp: 29430

Ion Ratio Lower Upper

228 100

226 26.1 21.4 32.0

229 20.9 14.9 22.3



#83

Chrysene

Concen: 3.310 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF136670.D

Acq: 21 Dec 2023 15:43

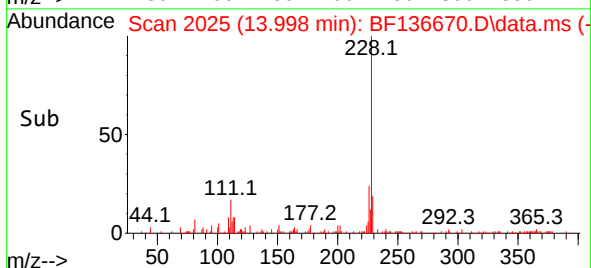
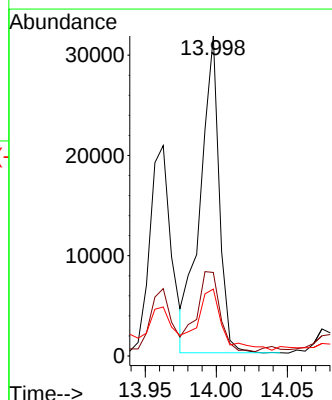
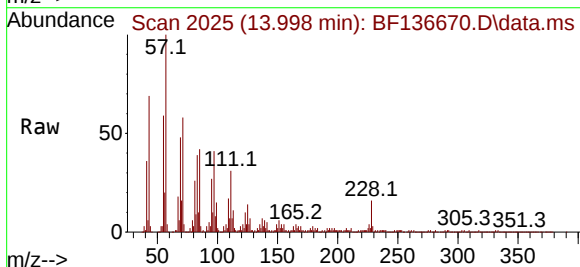
Tgt Ion:228 Resp: 29430

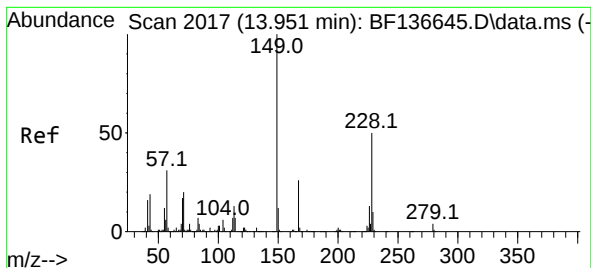
Ion Ratio Lower Upper

228 100

226 26.1 24.7 37.1

229 20.9 15.4 23.0

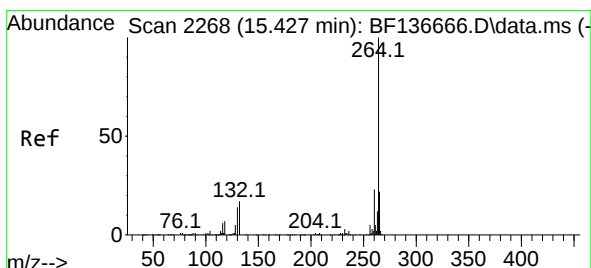
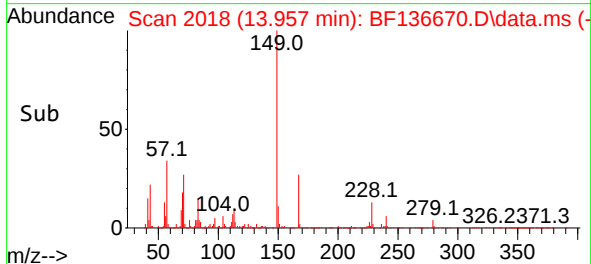
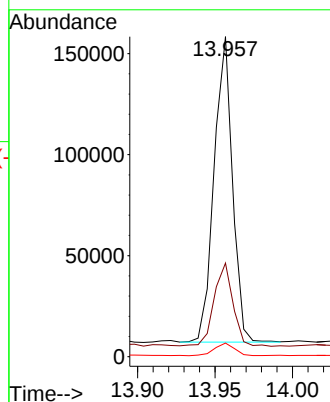
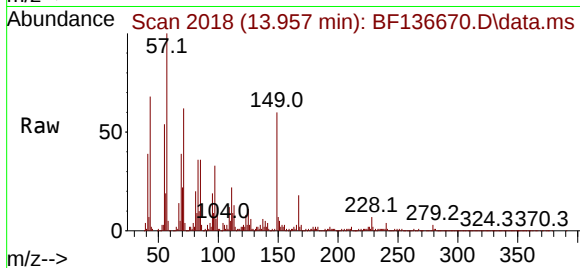




#84
Bis(2-ethylhexyl)phthalate
Concen: 21.162 ng
RT: 13.957 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

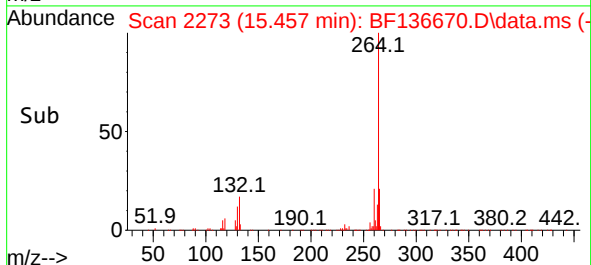
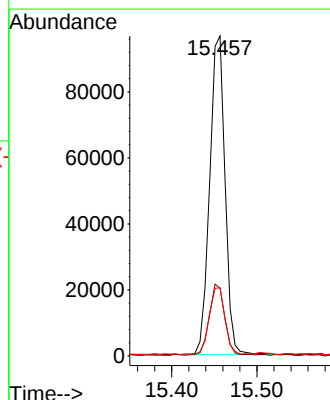
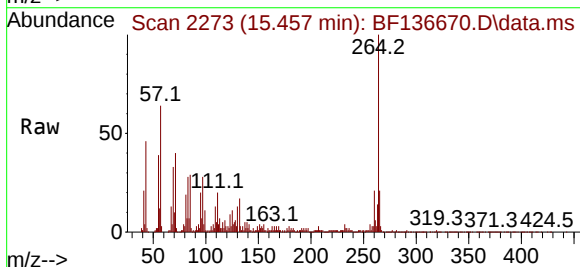
Instrument :
BNA_F
ClientSampleId :
CHRT-20103

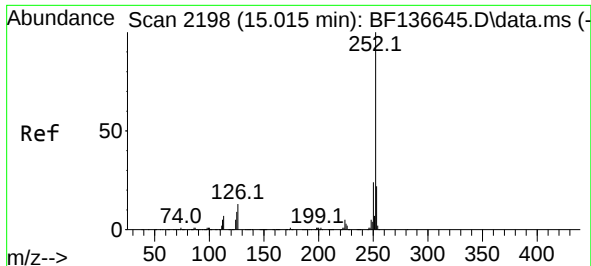
Tgt Ion:149 Resp: 124543
Ion Ratio Lower Upper
149 100
167 29.3 20.9 31.3
279 4.2 2.9 4.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.012 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Tgt Ion:264 Resp: 121133
Ion Ratio Lower Upper
264 100
260 21.2 18.3 27.5
265 21.3 17.0 25.6

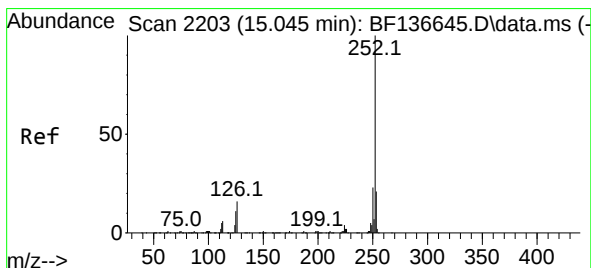
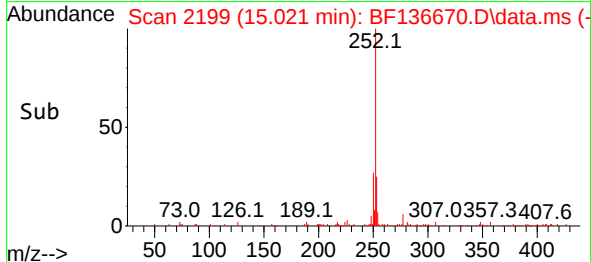
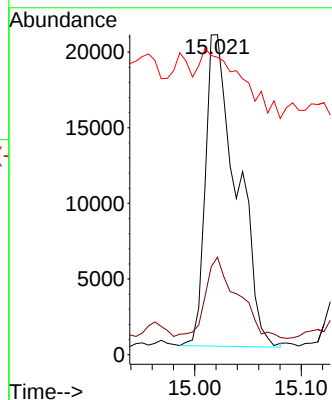
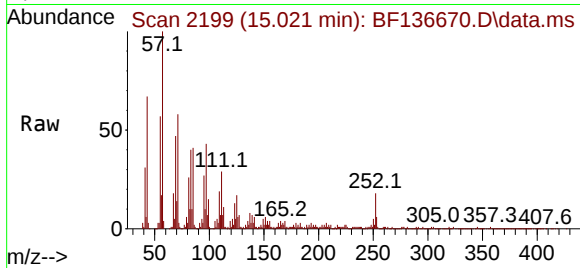




#88
Benzo(b)fluoranthene
Concen: 5.218 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

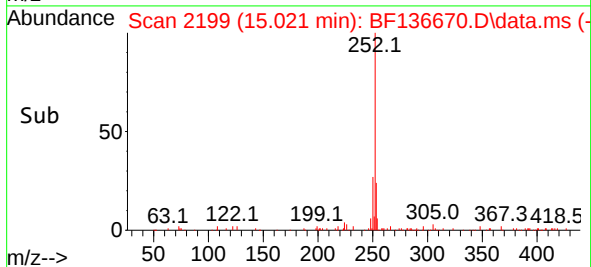
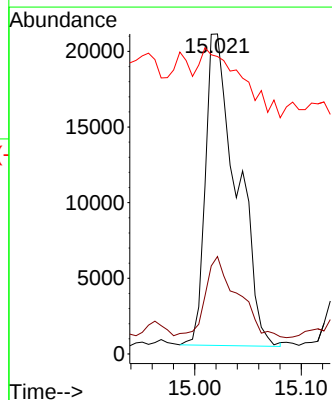
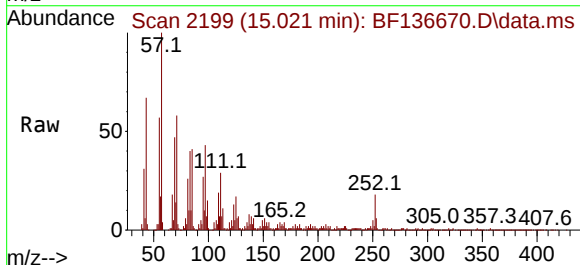
Instrument :
BNA_F
ClientSampleId :
CHRT-20103

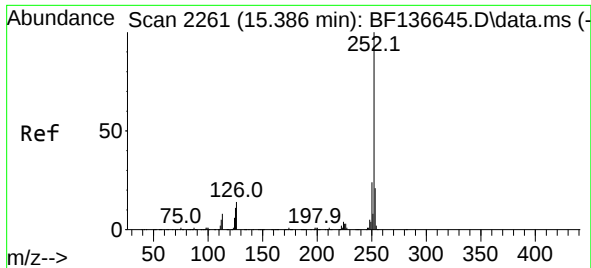
Tgt Ion:252 Resp: 42216
Ion Ratio Lower Upper
252 100
253 30.5 17.4 26.0#
125 93.0 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 5.522 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF136670.D
Acq: 21 Dec 2023 15:43

Tgt Ion:252 Resp: 42216
Ion Ratio Lower Upper
252 100
253 30.5 17.0 25.6#
125 93.0 8.2 12.4#





#90
 Benzo(a)pyrene
 Concen: 2.528 ng
 RT: 15.386 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF136670.D
 Acq: 21 Dec 2023 15:43

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20103

Tgt Ion:252 Resp: 17263
 Ion Ratio Lower Upper
 252 100
 253 29.3 17.0 25.6#
 125 104.0 8.8 13.2#

