

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141394.D
 Acq On : 04 Feb 2025 02:35
 Operator : RC/JU
 Sample : Q1261-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20430

Quant Time: Feb 04 03:40:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

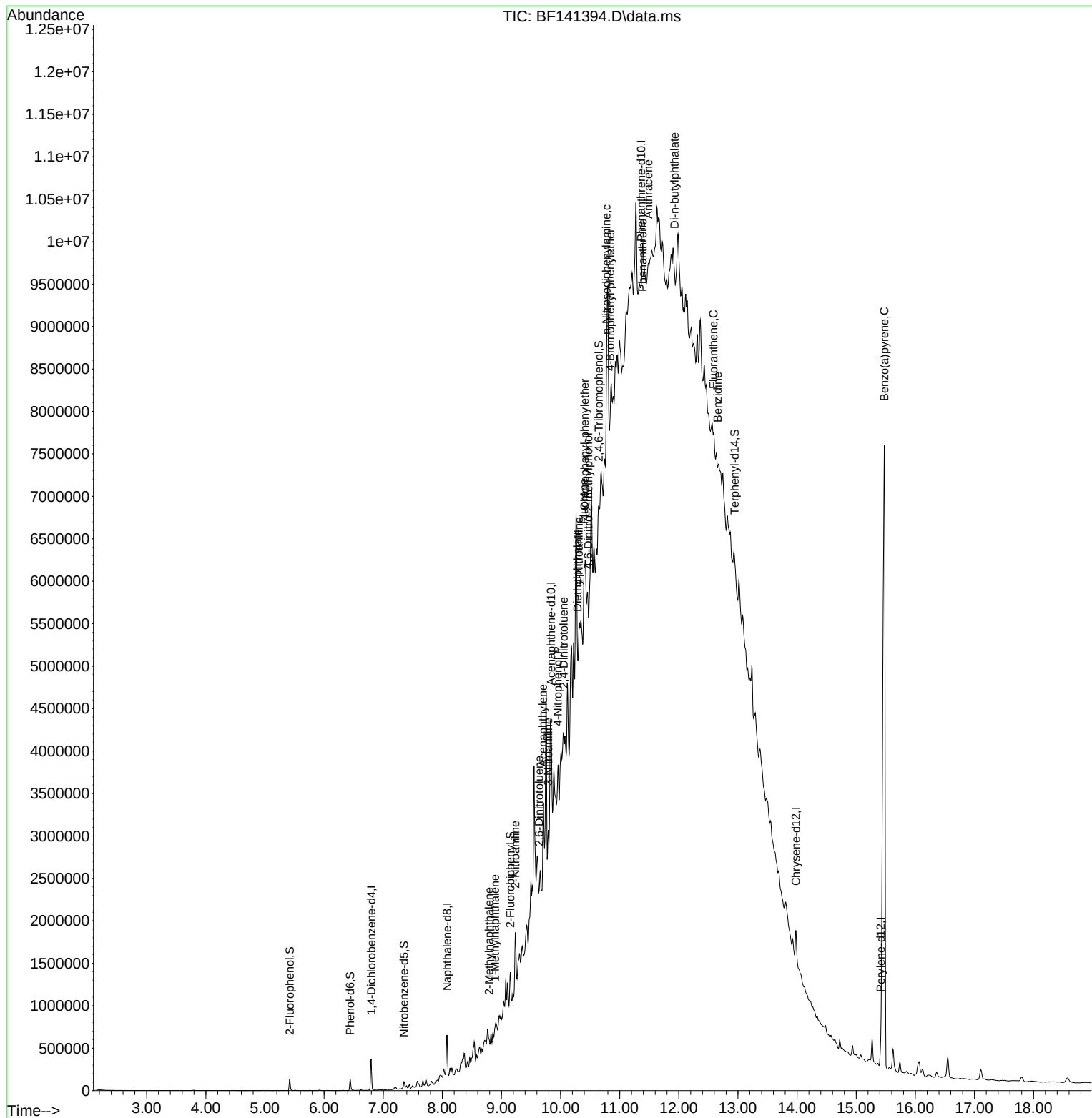
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	75811	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	257959	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	110614	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	130285	20.000	ng	# 0.04
76) Chrysene-d12	13.980	240	145730	20.000	ng	0.00
86) Perylene-d12	15.415	264	118848	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	51782	10.486	ng	0.01
7) Phenol-d6	6.439	99	62694	9.980	ng	0.00
23) Nitrobenzene-d5	7.351	82	37023	7.566	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	8568	8.449	ng	0.01
45) 2-Fluorobiphenyl	9.151	172	57902	8.057	ng	-0.01
79) Terphenyl-d14	12.945	244	47062	4.980	ng	0.03
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.792	142	31187	3.601	ng	96
38) 1-Methylnaphthalene	8.892	142	24902	2.927	ng	92
48) 2-Nitroaniline	9.233	65	6735	3.184	ng	90
49) Acenaphthylene	9.704	152	21679	2.303	ng	# 1
51) 2,6-Dinitrotoluene	9.639	165	9125	5.260	ng	# 44
53) 3-Nitroaniline	9.792	138	15520	9.129	ng	# 27
56) 4-Nitrophenol	9.951	139	9808	7.888	ng	# 1
57) 2,4-Dinitrotoluene	10.051	165	11476	5.110	ng	# 63
58) Fluorene	10.398	166	47181	6.758	ng	# 42
60) Diethylphthalate	10.286	149	35031	4.836	ng	# 4
61) 4-Chlorophenyl-phenyle...	10.410	204	16653	4.883	ng	# 1
62) 4-Nitroaniline	10.310	138	29408	17.594	ng	99
65) 4,6-Dinitro-2-methylph...	10.469	198	4305	5.586	ng	# 1
66) n-Nitrosodiphenylamine	10.774	169	194649	46.192	ng	93
67) 4-Bromophenyl-phenylether	10.839	248	6543	4.486	ng	# 1
71) Phenanthrene	11.386	178	277632	39.643	ng	# 66
72) Anthracene	11.486	178	47839	6.972	ng	# 1
74) Di-n-butylphthalate	11.927	149	58179	7.890	ng	# 34
75) Fluoranthene	12.586	202	32716	4.731	ng	# 13
77) Benzidine	12.657	184	10418	2.230	ng	# 1
90) Benzo(a)pyrene	15.474	252	168486	26.670	ng	# 48

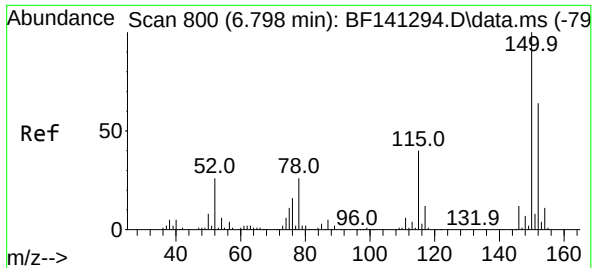
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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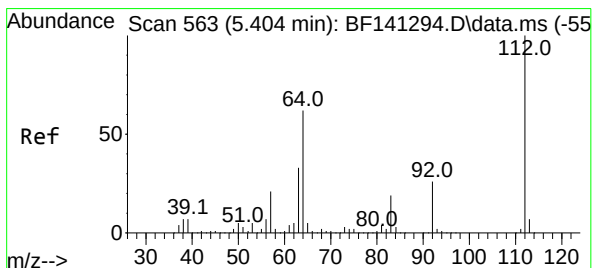
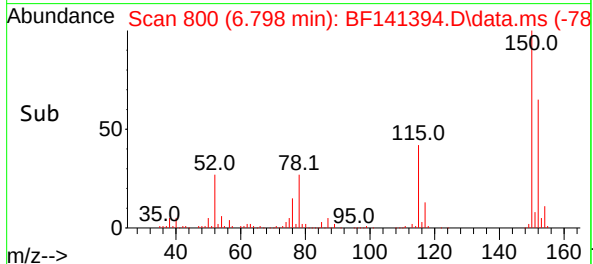
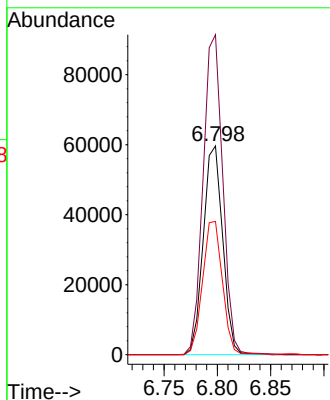
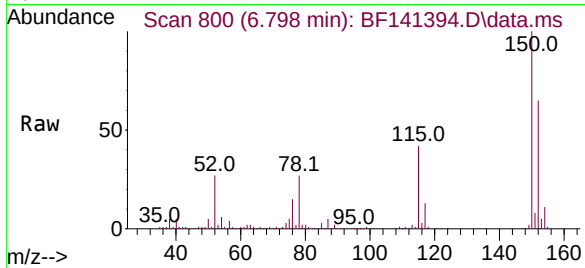




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF141394.D
 Acq: 04 Feb 2025 02:35

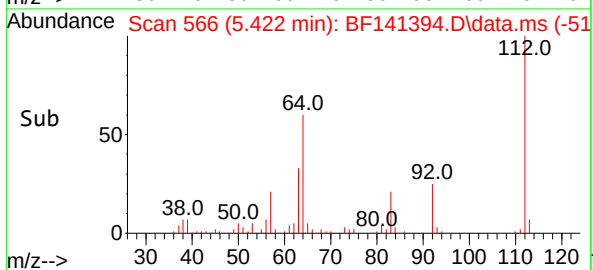
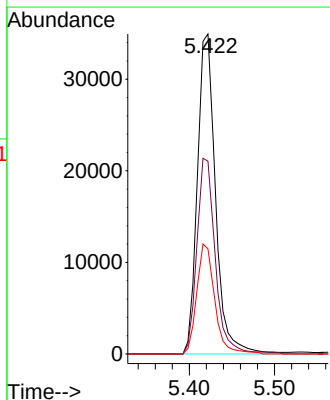
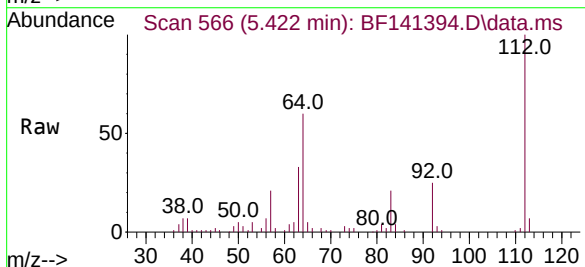
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20430

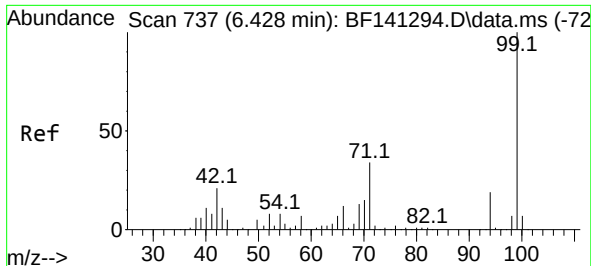
Tgt Ion:152 Resp: 75811
 Ion Ratio Lower Upper
 152 100
 150 153.3 125.9 188.9
 115 63.8 49.7 74.5



#5
 2-Fluorophenol
 Concen: 10.486 ng
 RT: 5.422 min Scan# 566
 Delta R.T. 0.012 min
 Lab File: BF141394.D
 Acq: 04 Feb 2025 02:35

Tgt Ion:112 Resp: 51782
 Ion Ratio Lower Upper
 112 100
 64 60.2 49.8 74.8
 63 32.9 26.1 39.1

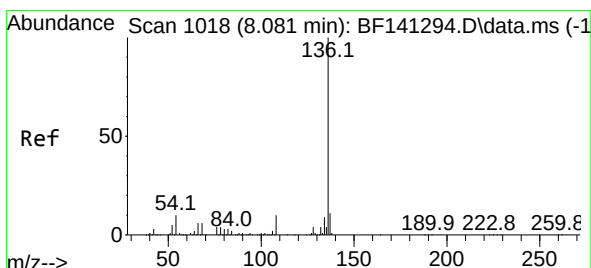
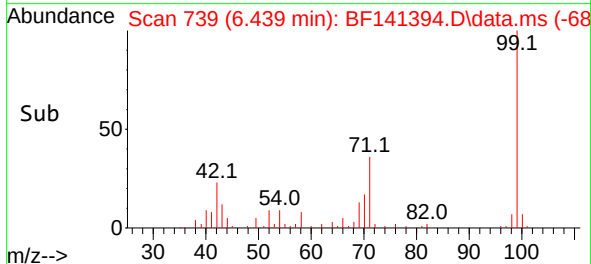
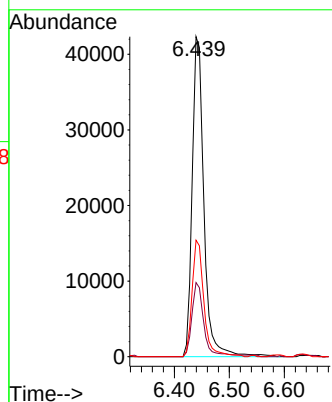
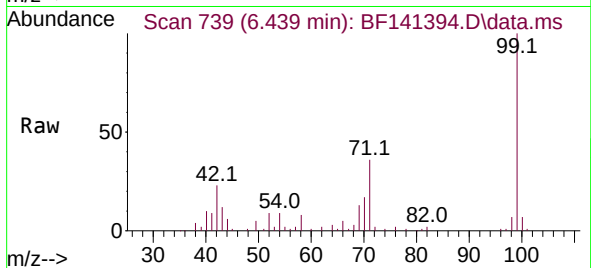




#7
Phenol-d6
Concen: 9.980 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

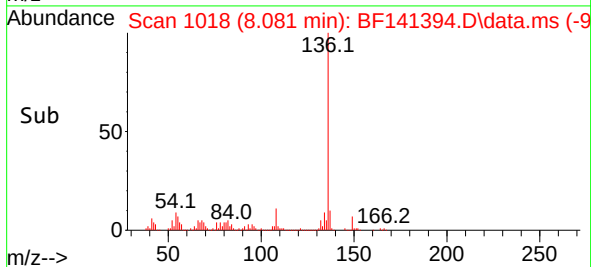
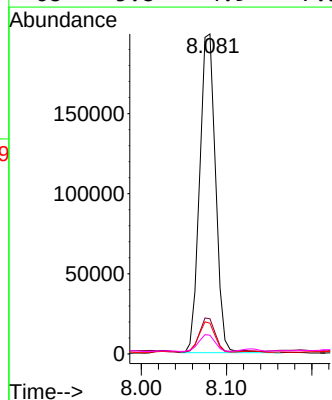
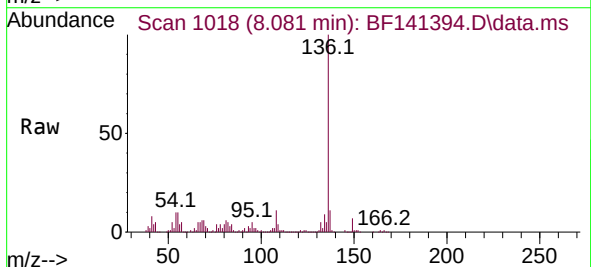
Instrument :
BNA_F
ClientSampleId :
CHRT-20430

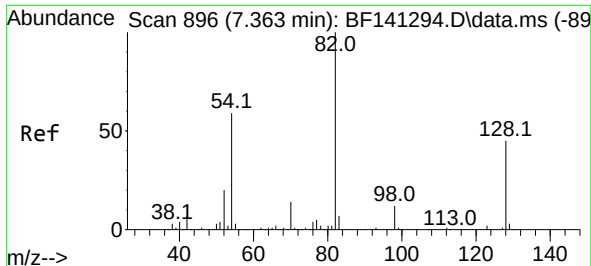
Tgt Ion: 99 Resp: 62694
Ion Ratio Lower Upper
99 100
42 23.2 17.1 25.7
71 36.4 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

Tgt Ion: 136 Resp: 257959
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.6 7.8 11.8
68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 7.566 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

Instrument :

BNA_F

ClientSampleId :

CHRT-20430

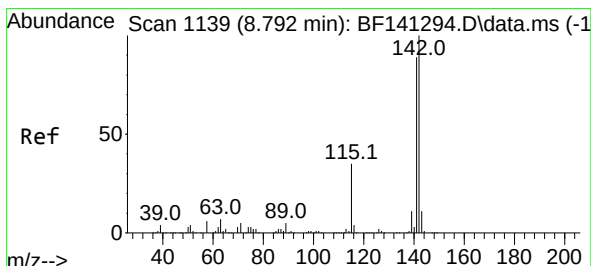
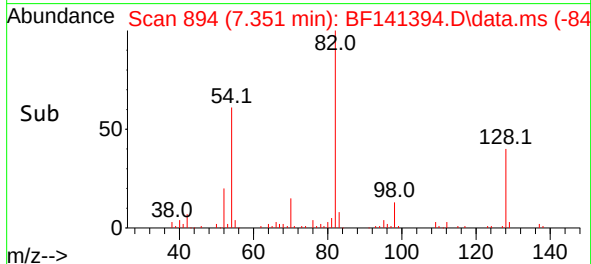
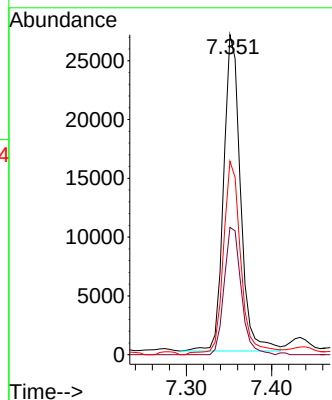
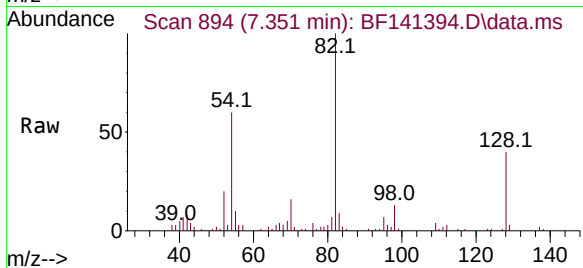
Tgt Ion: 82 Resp: 37023

Ion Ratio Lower Upper

82 100

128 39.8 35.7 53.5

54 60.5 47.1 70.7



#37

2-Methylnaphthalene

Concen: 3.601 ng

RT: 8.792 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF141394.D

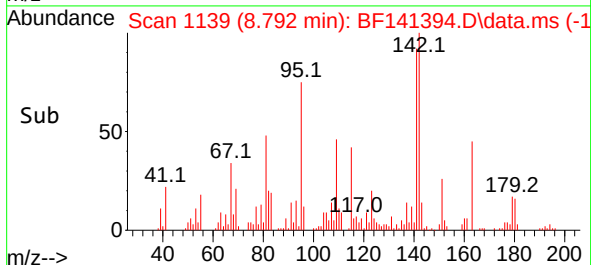
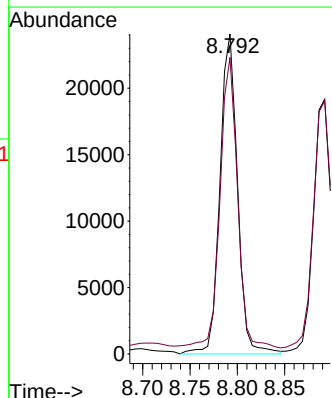
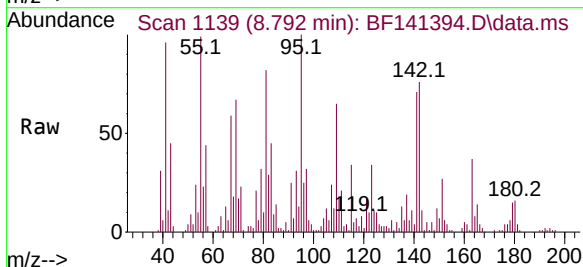
Acq: 04 Feb 2025 02:35

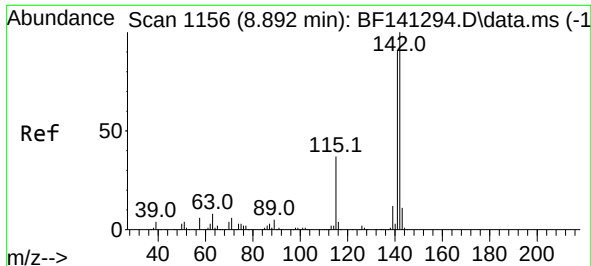
Tgt Ion: 142 Resp: 31187

Ion Ratio Lower Upper

142 100

141 92.7 71.3 106.9

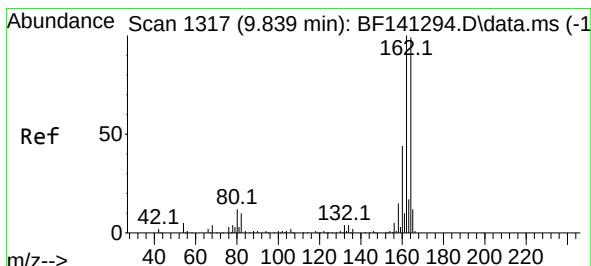
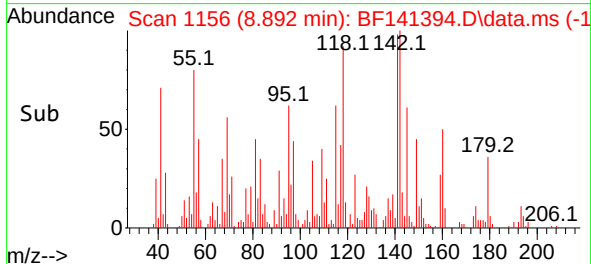
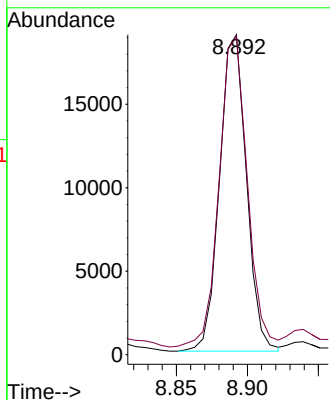
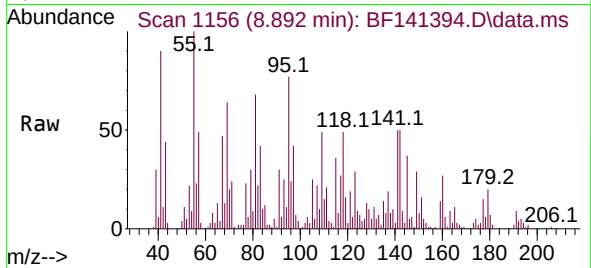




#38
1-Methylnaphthalene
Concen: 2.927 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

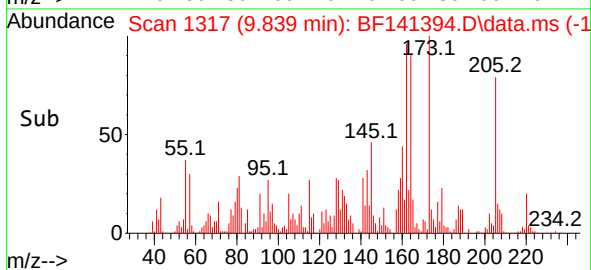
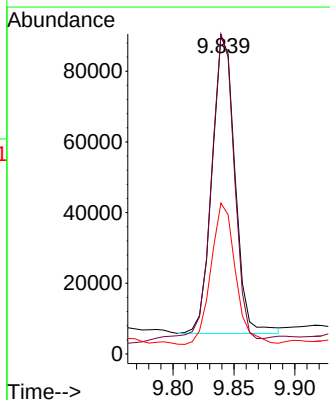
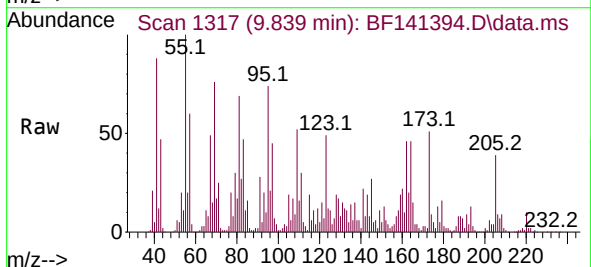
Instrument :
BNA_F
ClientSampleId :
CHRT-20430

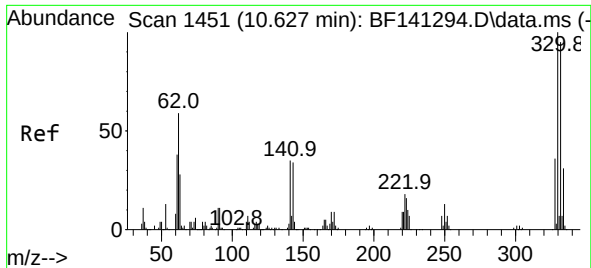
Tgt Ion:142 Resp: 24902
Ion Ratio Lower Upper
142 100
141 99.5 73.2 109.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

Tgt Ion:164 Resp: 110614
Ion Ratio Lower Upper
164 100
162 100.7 80.6 121.0
160 47.5 35.8 53.6

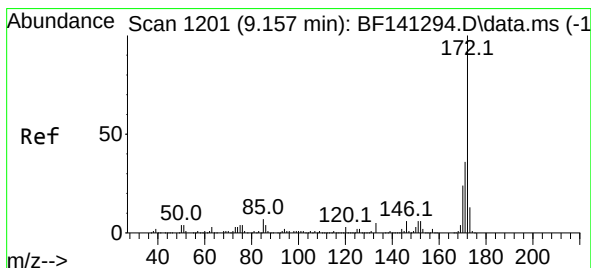
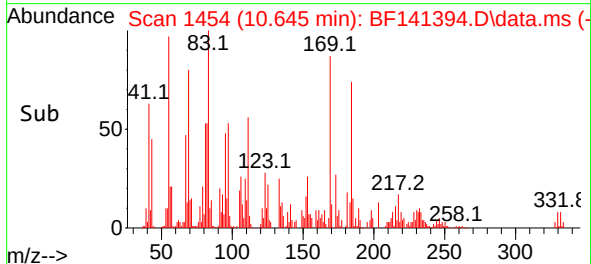
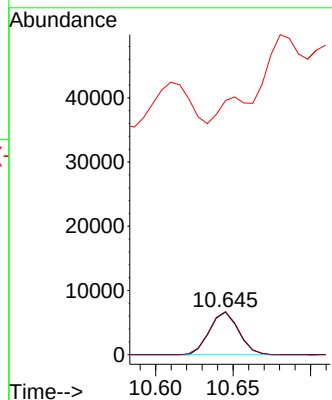
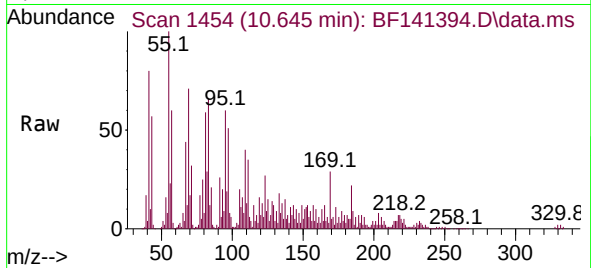




#42
2,4,6-Tribromophenol
Concen: 8.449 ng
RT: 10.645 min Scan# 1451
Delta R.T. 0.012 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

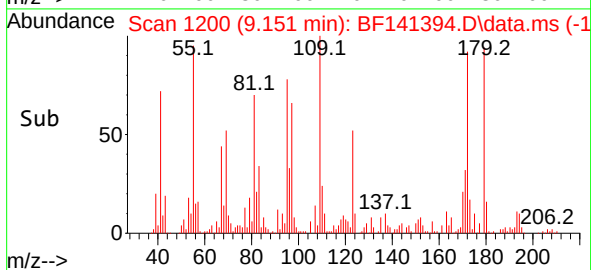
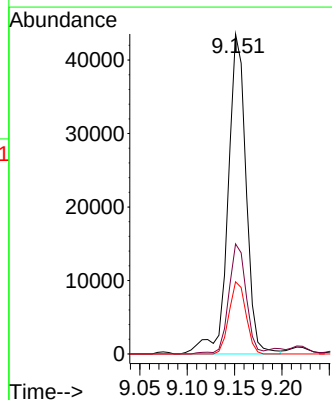
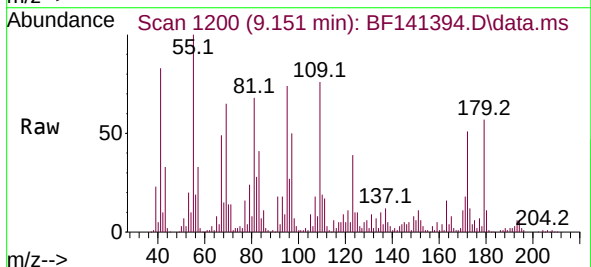
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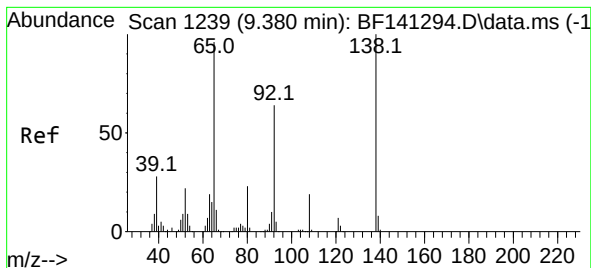
Tgt Ion:330 Resp: 8568
Ion Ratio Lower Upper
330 100
332 103.5 76.1 114.1
141 64.3 28.8 43.2#



#45
2-Fluorobiphenyl
Concen: 8.057 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

Tgt Ion:172 Resp: 57902
Ion Ratio Lower Upper
172 100
171 34.4 28.8 43.2
170 22.5 19.0 28.6





#48

2-Nitroaniline

Concen: 3.184 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.147 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

Instrument :

BNA_F

ClientSampleId :

CHRT-20430

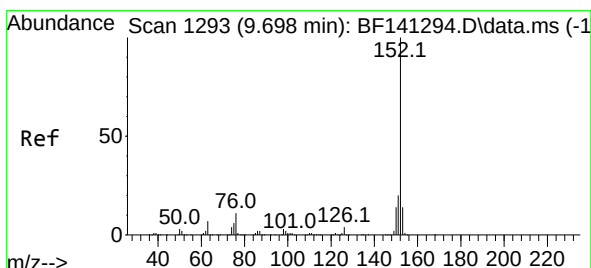
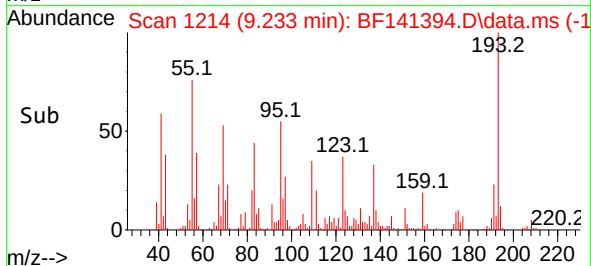
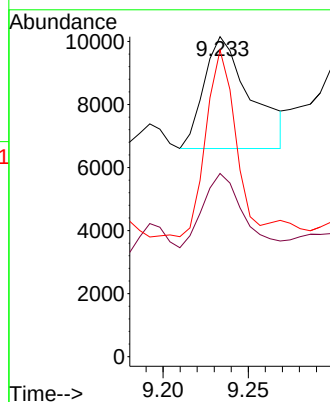
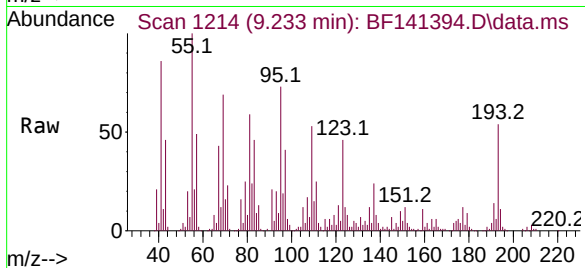
Tgt Ion: 65 Resp: 6735

Ion Ratio Lower Upper

65 100

92 57.2 53.3 79.9

138 95.8 83.6 125.4



#49

Acenaphthylene

Concen: 2.303 ng

RT: 9.704 min Scan# 1294

Delta R.T. -0.000 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

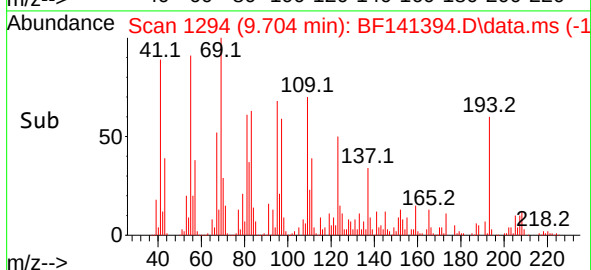
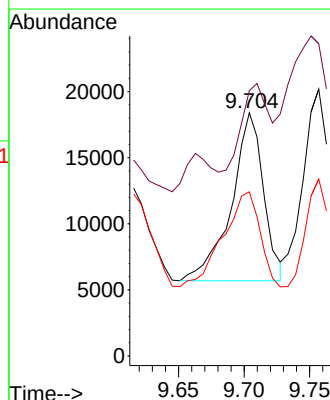
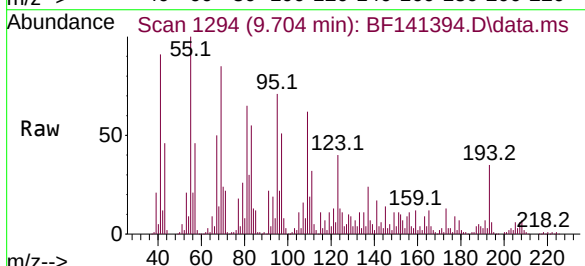
Tgt Ion: 152 Resp: 21679

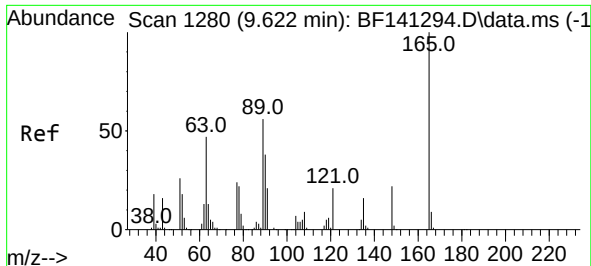
Ion Ratio Lower Upper

152 100

151 109.1 16.2 24.2#

153 67.5 11.0 16.6#





#51

2,6-Dinitrotoluene

Concen: 5.260 ng

RT: 9.639 min Scan# 1280

Delta R.T. 0.012 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

Instrument :

BNA_F

ClientSampleId :

CHRT-20430

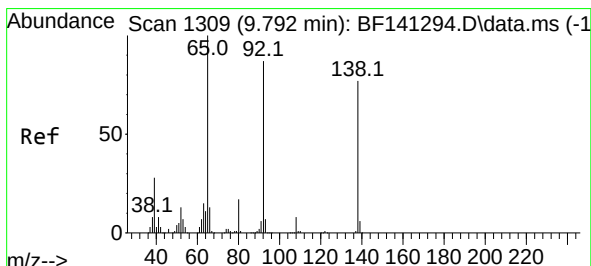
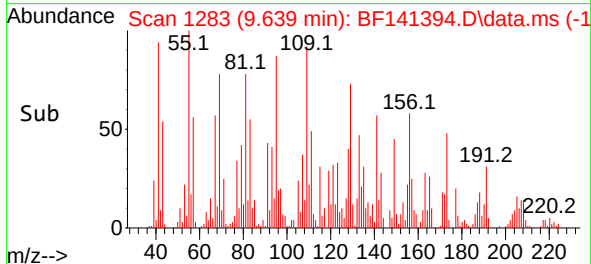
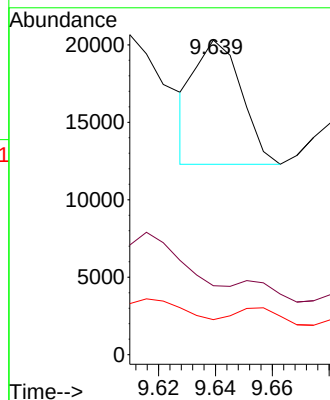
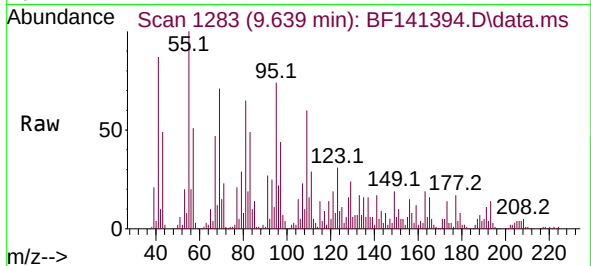
Tgt Ion:165 Resp: 9125

Ion Ratio Lower Upper

165 100

63 21.9 48.1 72.1#

89 11.2 44.9 67.3#



#53

3-Nitroaniline

Concen: 9.129 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

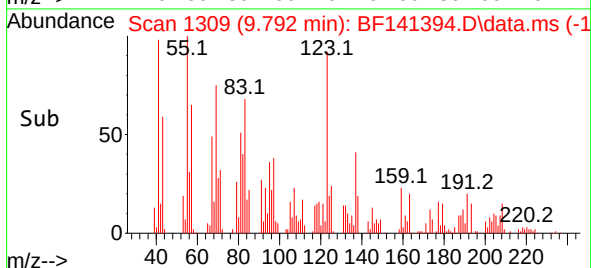
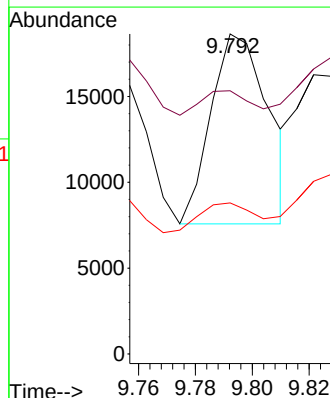
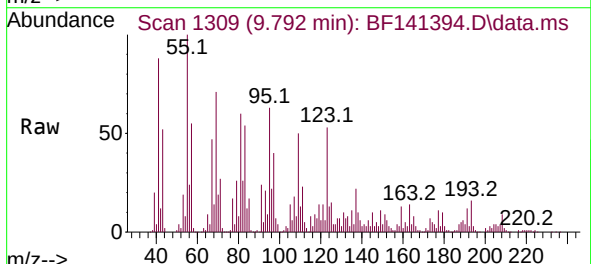
Tgt Ion:138 Resp: 15520

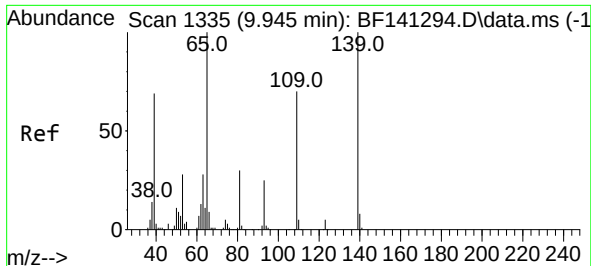
Ion Ratio Lower Upper

138 100

108 82.3 8.6 12.8#

92 47.2 91.0 136.6#

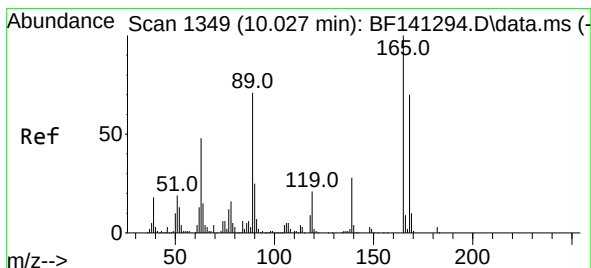
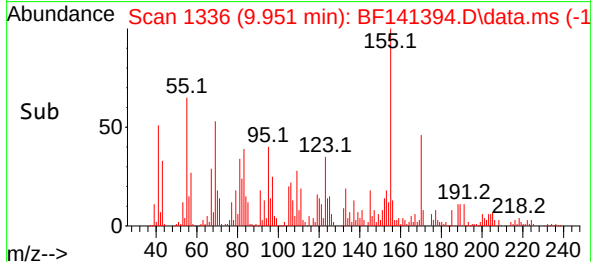
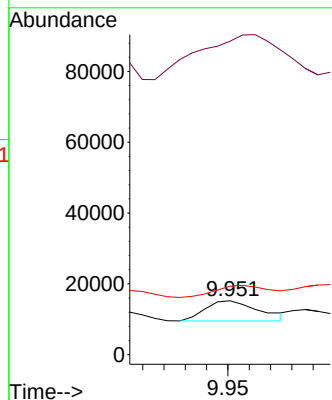
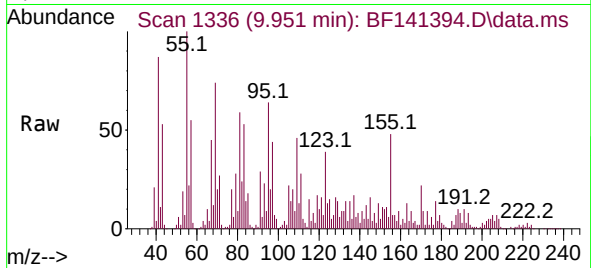




#56
4-Nitrophenol
Concen: 7.888 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

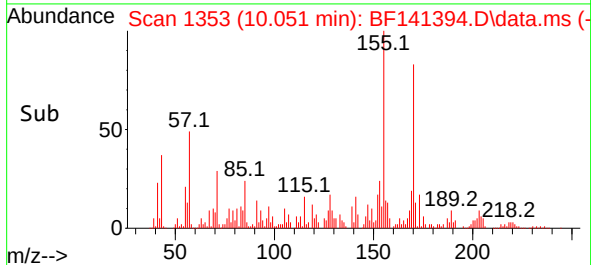
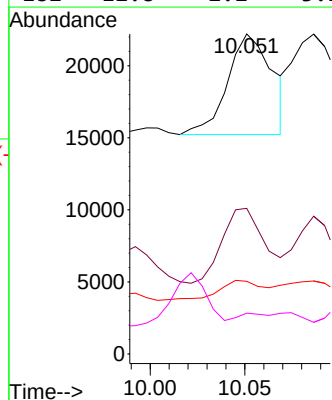
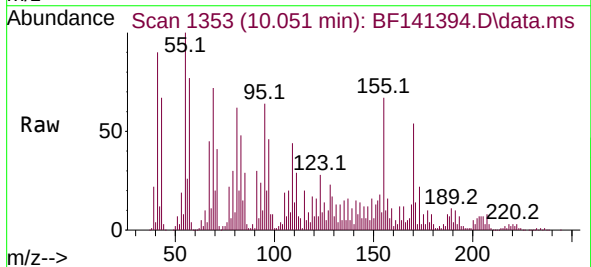
Instrument :
BNA_F
ClientSampleId :
CHRT-20430

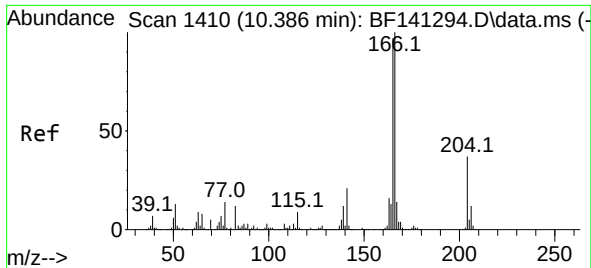
Tgt Ion:139 Resp: 9808
Ion Ratio Lower Upper
139 100
109 581.2 50.2 90.2#
65 127.0 80.6 120.6#



#57
2,4-Dinitrotoluene
Concen: 5.110 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.017 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

Tgt Ion:165 Resp: 11476
Ion Ratio Lower Upper
165 100
63 45.5 39.2 58.8
89 22.7 56.9 85.3#
182 12.8 2.2 3.2#

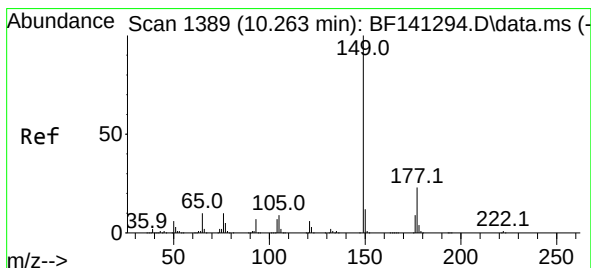
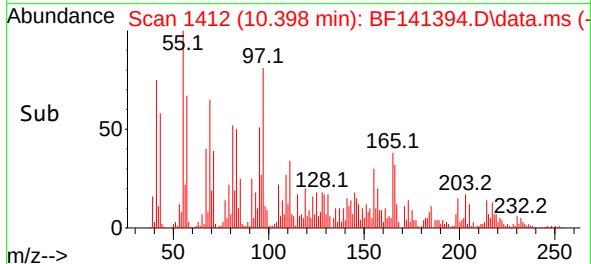
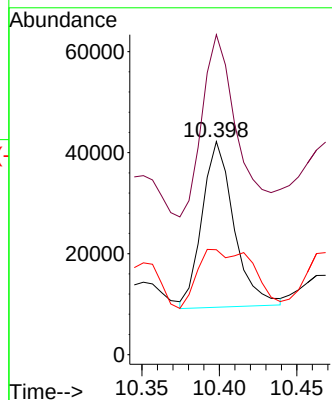
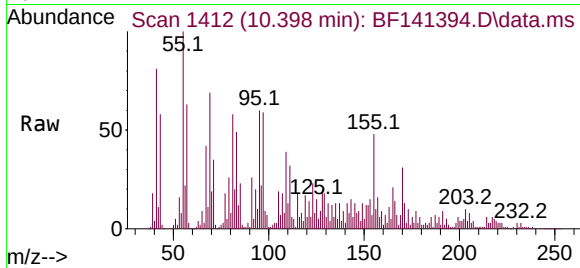




#58
Fluorene
Concen: 6.758 ng
RT: 10.398 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

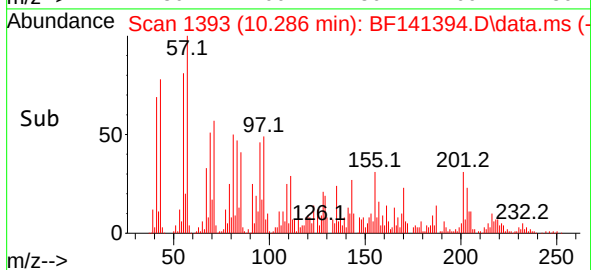
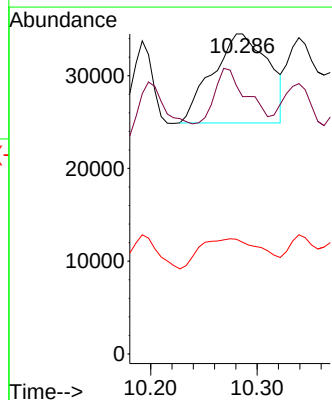
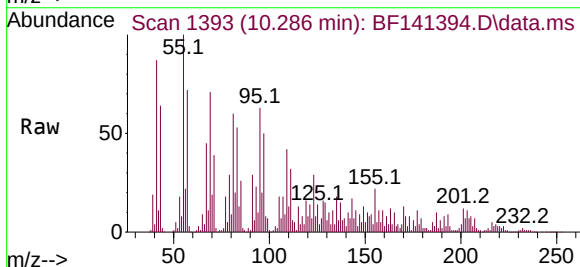
Instrument :
BNA_F
ClientSampleId :
CHRT-20430

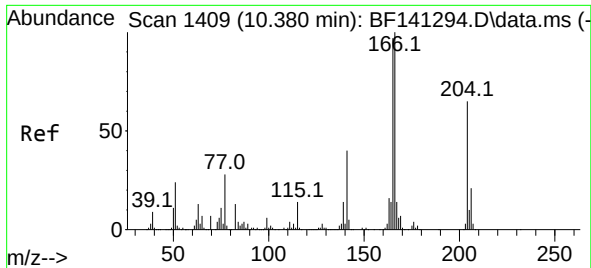
Tgt Ion:166 Resp: 47181
Ion Ratio Lower Upper
166 100
165 150.2 77.5 116.3#
167 49.3 10.9 16.3#



#60
Diethylphthalate
Concen: 4.836 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.017 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

Tgt Ion:149 Resp: 35031
Ion Ratio Lower Upper
149 100
177 80.4 18.5 27.7#
150 34.9 10.0 15.0#

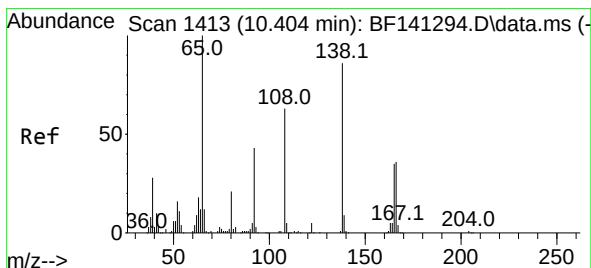
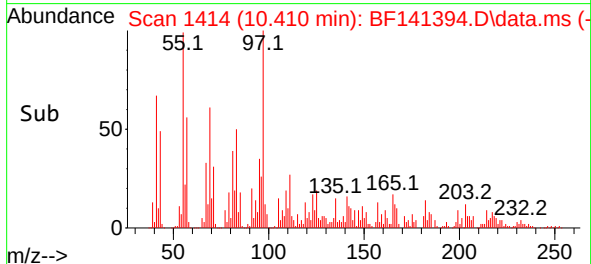
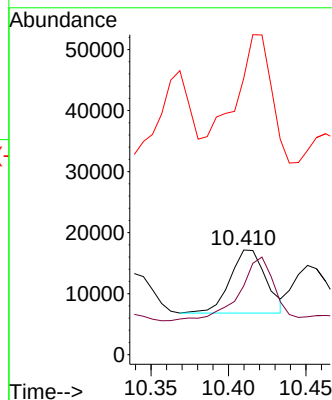
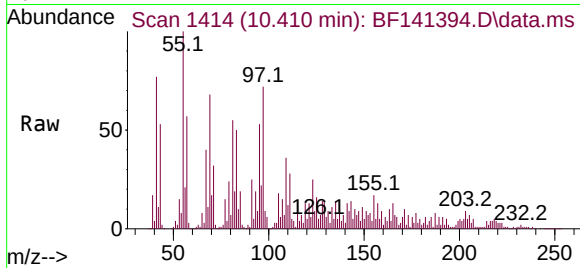




#61
4-Chlorophenyl-phenylether
Concen: 4.883 ng
RT: 10.410 min Scan# 1409
Delta R.T. 0.029 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

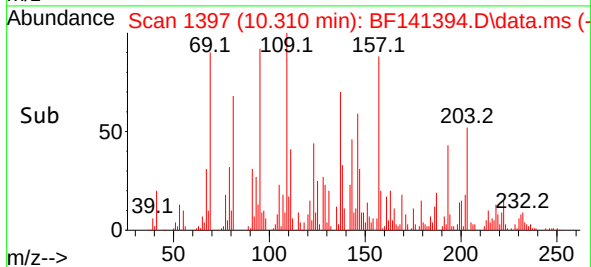
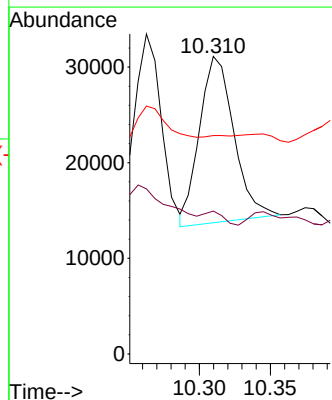
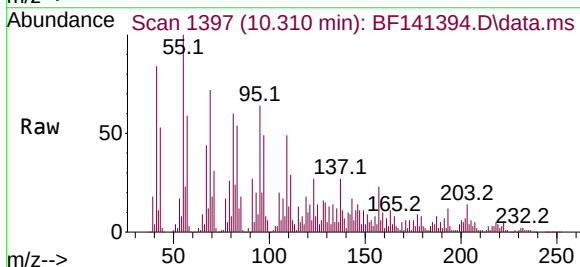
Instrument :
BNA_F
ClientSampleId :
CHRT-20430

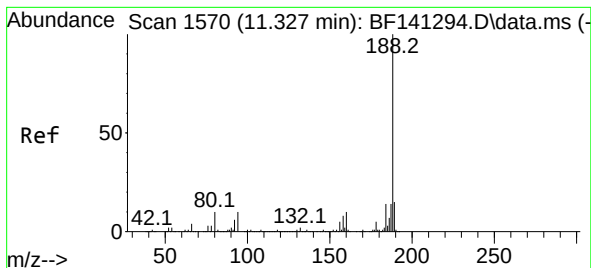
Tgt Ion:204 Resp: 16653
Ion Ratio Lower Upper
204 100
206 65.9 25.9 38.9#
141 264.2 49.5 74.3#



#62
4-Nitroaniline
Concen: 17.594 ng
RT: 10.310 min Scan# 1397
Delta R.T. -0.106 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

Tgt Ion:138 Resp: 29408
Ion Ratio Lower Upper
138 100
92 48.0 30.1 70.1
108 73.4 53.1 93.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

Instrument :

BNA_F

ClientSampleId :

CHRT-20430

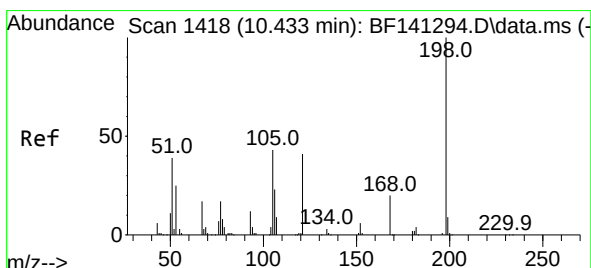
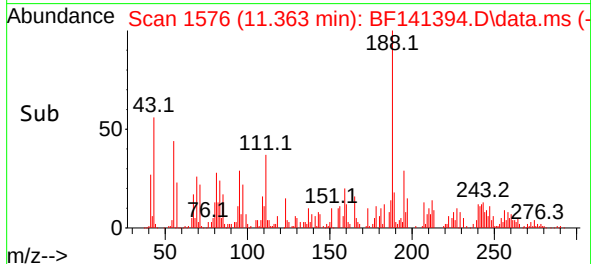
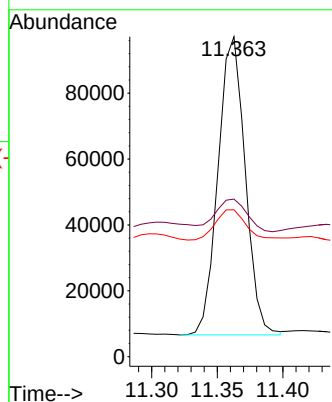
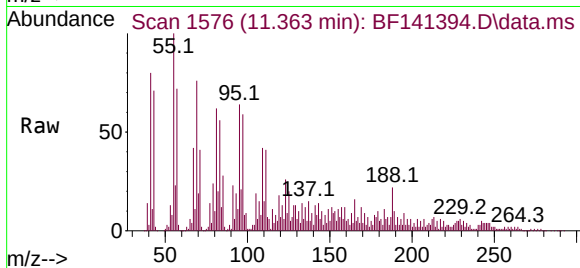
Tgt Ion:188 Resp: 130285

Ion Ratio Lower Upper

188 100

94 49.2 7.8 11.6#

80 45.9 8.2 12.4#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.586 ng

RT: 10.469 min Scan# 1424

Delta R.T. 0.029 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

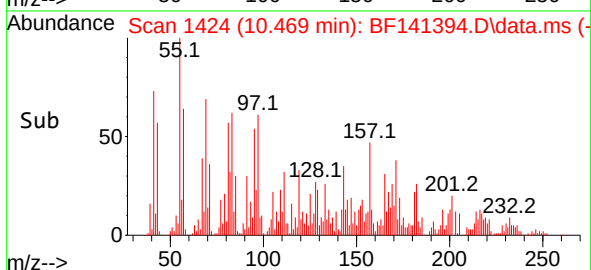
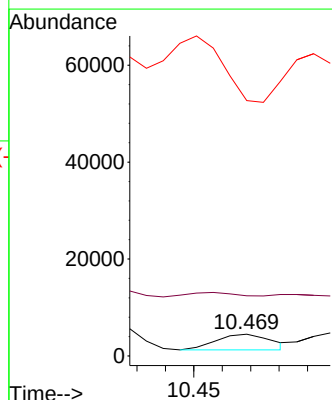
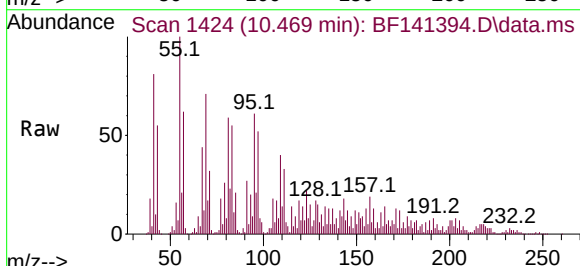
Tgt Ion:198 Resp: 4305

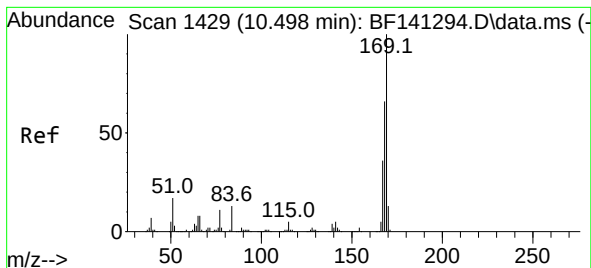
Ion Ratio Lower Upper

198 100

51 275.8 33.4 73.4#

105 1170.2 24.4 64.4#





#66

n-Nitrosodiphenylamine

Concen: 46.192 ng

RT: 10.774 min Scan# 1476

Delta R.T. 0.270 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

Instrument :

BNA_F

ClientSampleId :

CHRT-20430

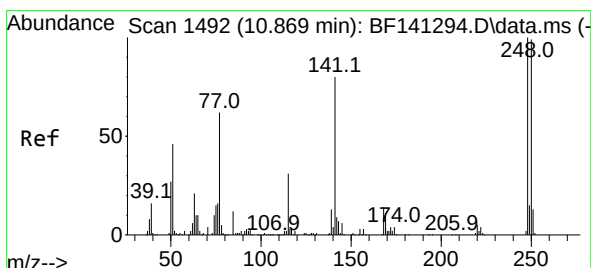
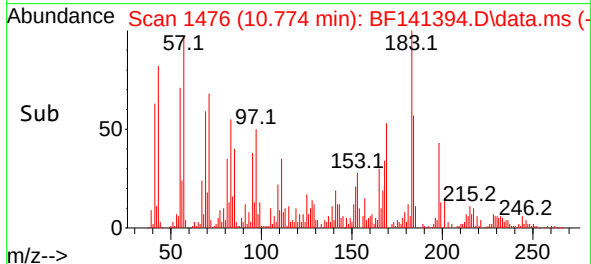
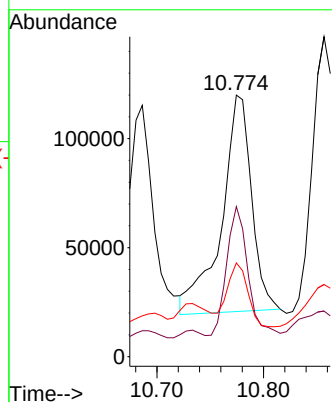
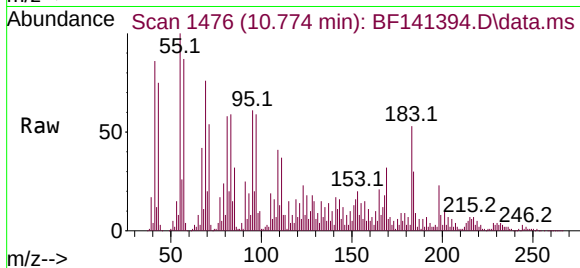
Tgt Ion:169 Resp: 194649

Ion Ratio Lower Upper

169 100

168 57.4 53.0 79.4

167 35.8 28.8 43.2



#67

4-Bromophenyl-phenylether

Concen: 4.486 ng

RT: 10.839 min Scan# 1487

Delta R.T. -0.035 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

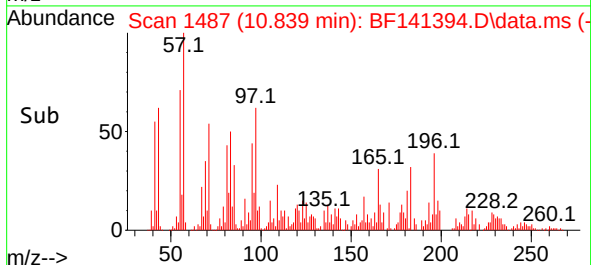
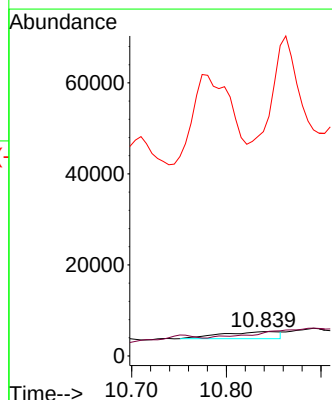
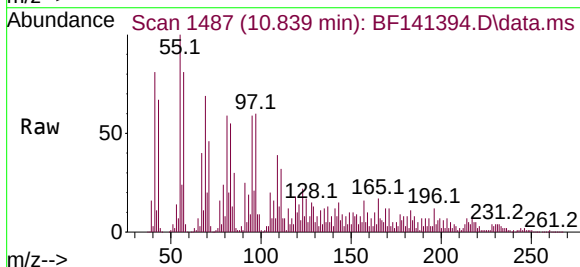
Tgt Ion:248 Resp: 6543

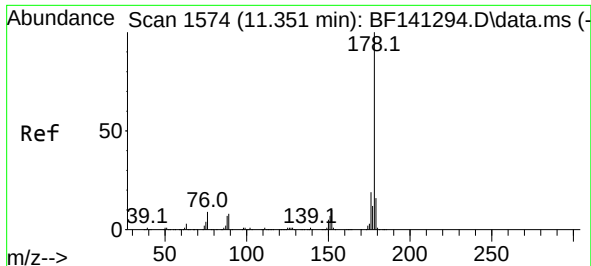
Ion Ratio Lower Upper

248 100

250 94.9 79.0 118.4

141 921.6 63.7 95.5#

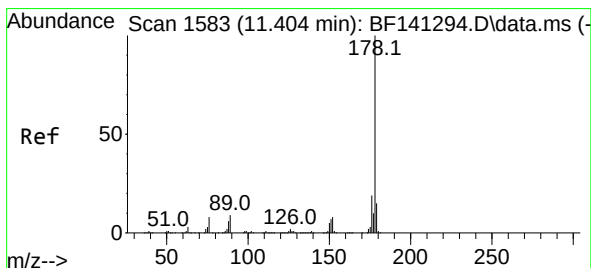
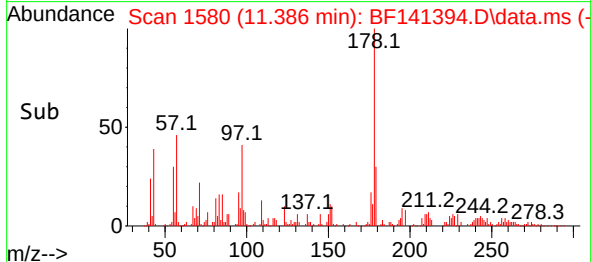
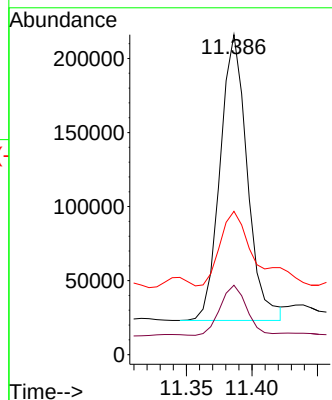
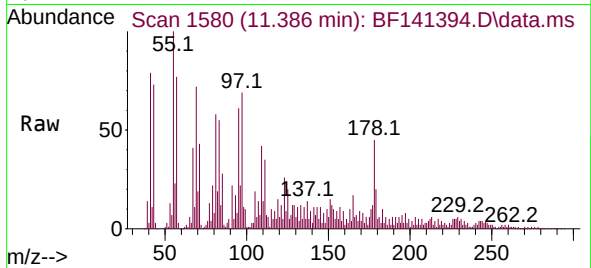




#71
Phenanthrene
Concen: 39.643 ng
RT: 11.386 min Scan# 1580
Delta R.T. 0.035 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

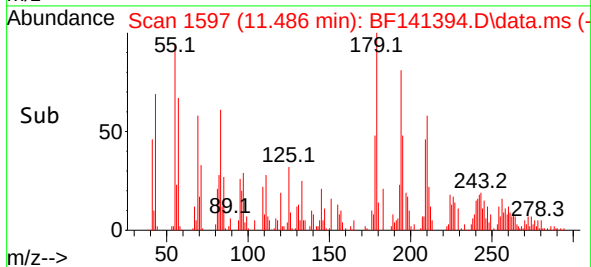
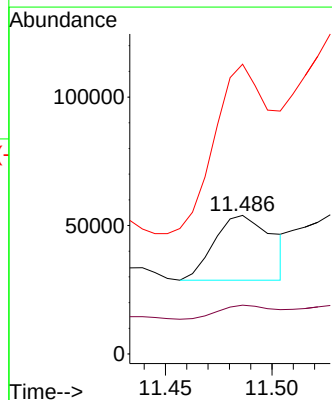
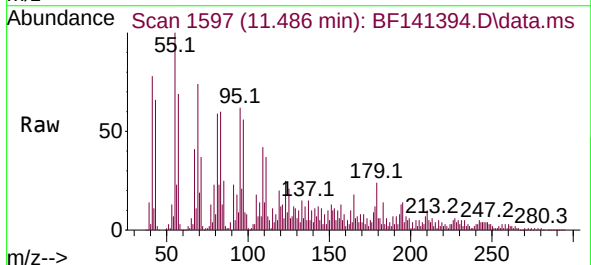
Instrument :
BNA_F
ClientSampleId :
CHRT-20430

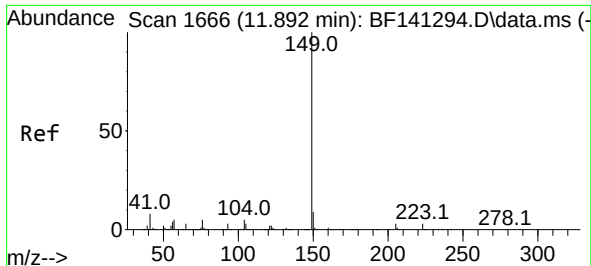
Tgt Ion:178 Resp: 277632
Ion Ratio Lower Upper
178 100
176 21.7 15.3 22.9
179 44.8 12.5 18.7#



#72
Anthracene
Concen: 6.972 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.082 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

Tgt Ion:178 Resp: 47839
Ion Ratio Lower Upper
178 100
176 35.2 15.0 22.6#
179 209.2 12.3 18.5#

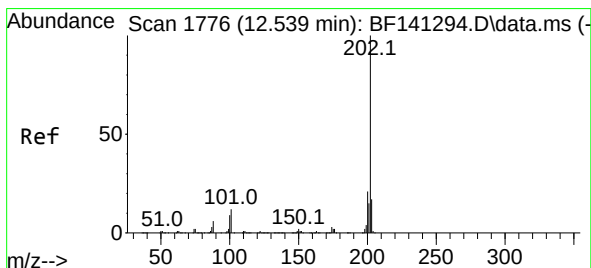
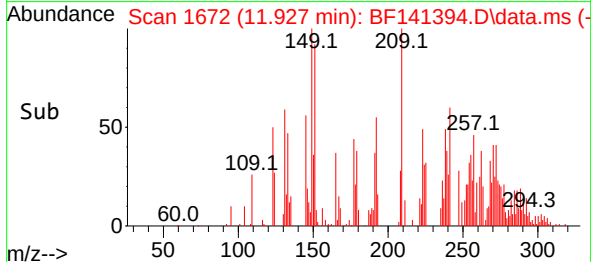
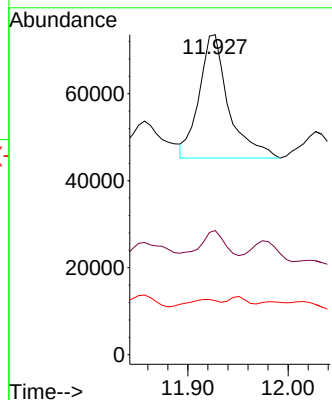
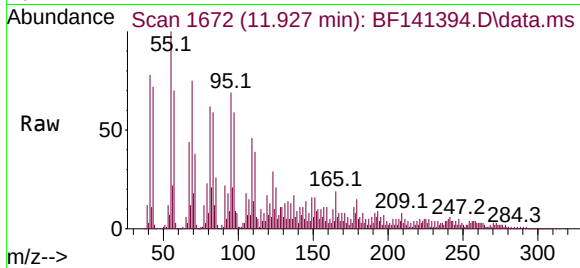




#74
Di-n-butylphthalate
Concen: 7.890 ng
RT: 11.927 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

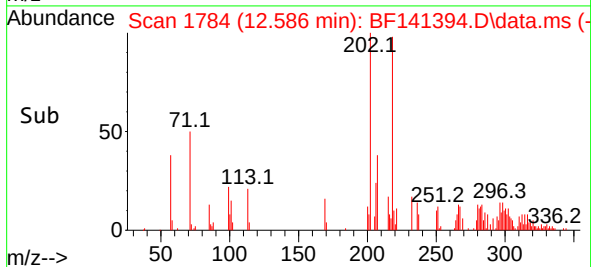
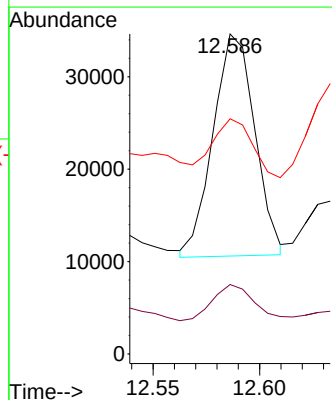
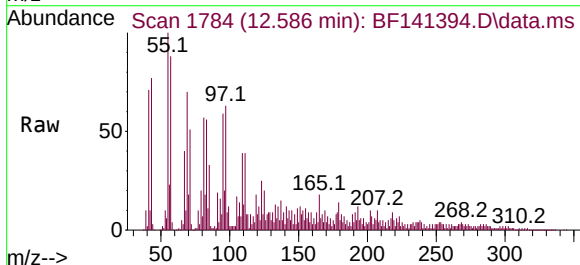
Instrument :
BNA_F
ClientSampleId :
CHRT-20430

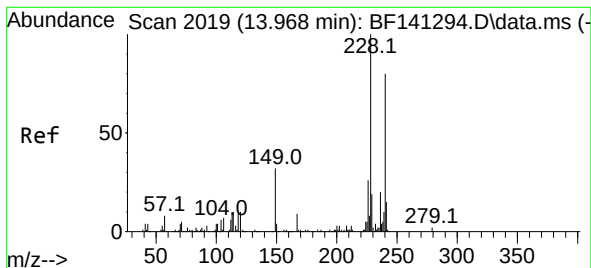
Tgt Ion:149 Resp: 58179
Ion Ratio Lower Upper
149 100
150 38.8 7.4 11.2#
104 16.9 3.9 5.9#



#75
Fluoranthene
Concen: 4.731 ng
RT: 12.586 min Scan# 1784
Delta R.T. 0.047 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

Tgt Ion:202 Resp: 32716
Ion Ratio Lower Upper
202 100
101 21.7 0.0 31.7
203 73.5 0.0 37.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

Instrument :

BNA_F

ClientSampleId :

CHRT-20430

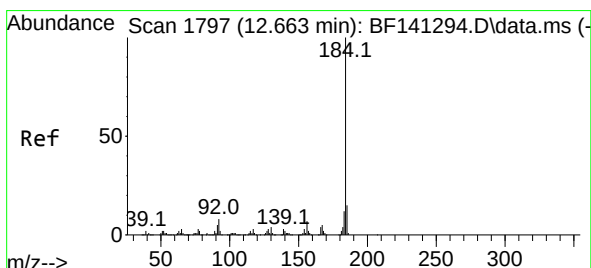
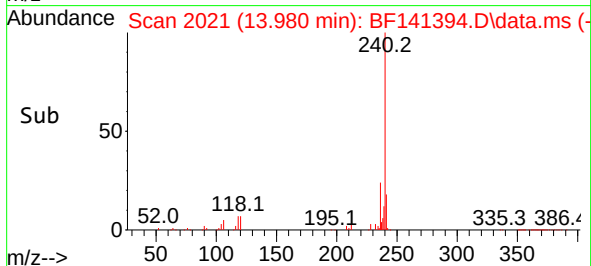
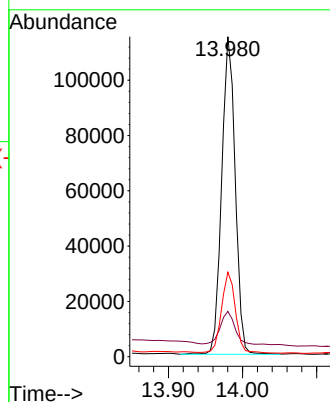
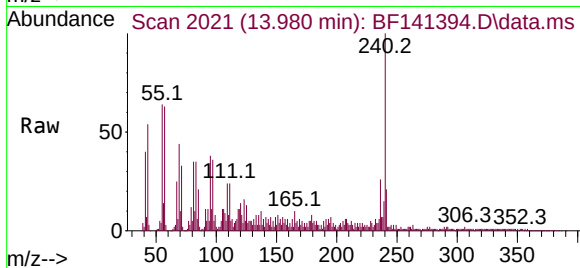
Tgt Ion:240 Resp: 145730

Ion Ratio Lower Upper

240 100

120 14.1 10.0 15.0

236 26.4 19.7 29.5



#77

Benzidine

Concen: 2.230 ng

RT: 12.657 min Scan# 1796

Delta R.T. -0.006 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

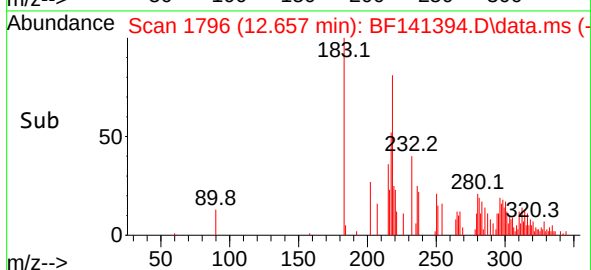
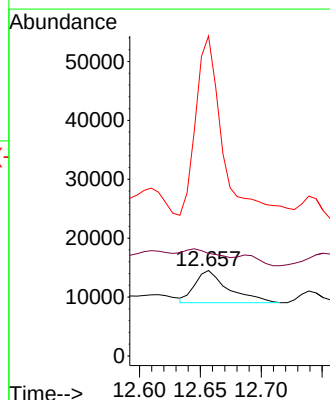
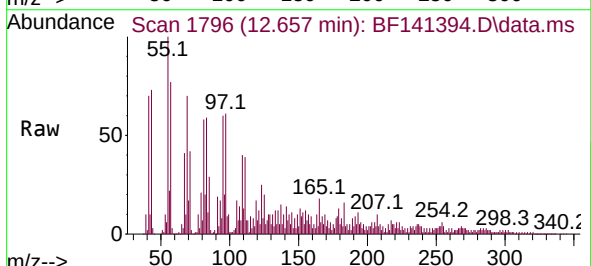
Tgt Ion:184 Resp: 10418

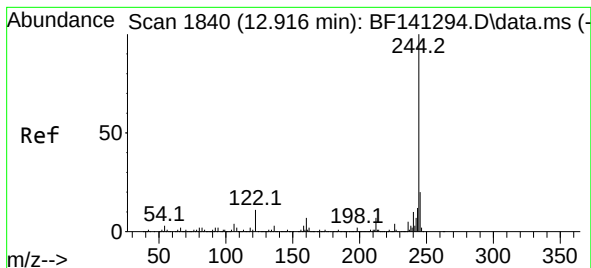
Ion Ratio Lower Upper

184 100

185 120.0 11.9 17.9#

183 374.2 9.5 14.3#





#79

Terphenyl-d14

Concen: 4.980 ng

RT: 12.945 min Scan# 1845

Delta R.T. 0.029 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

Instrument :

BNA_F

ClientSampleId :

CHRT-20430

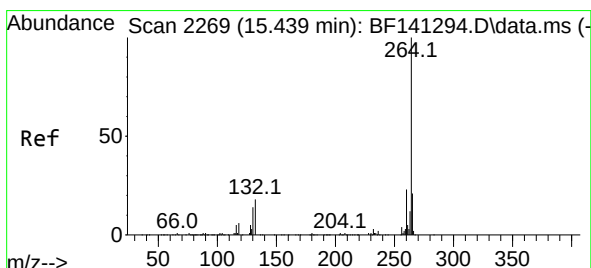
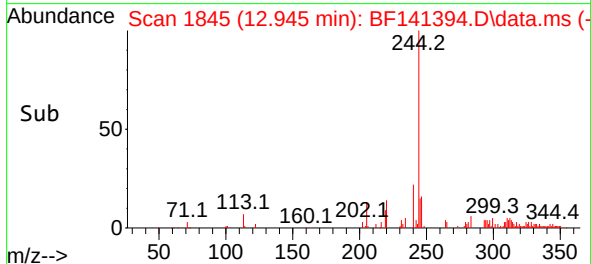
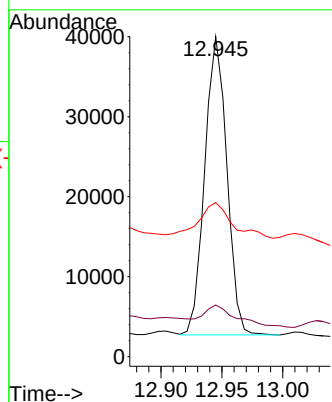
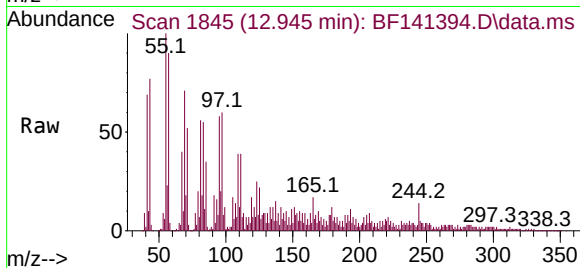
Tgt Ion:244 Resp: 47062

Ion Ratio Lower Upper

244 100

212 16.2 5.4 8.0#

122 48.1 8.8 13.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2265

Delta R.T. -0.024 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

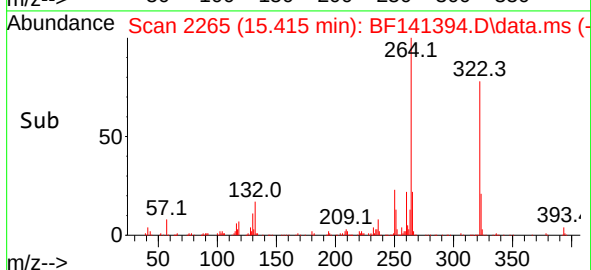
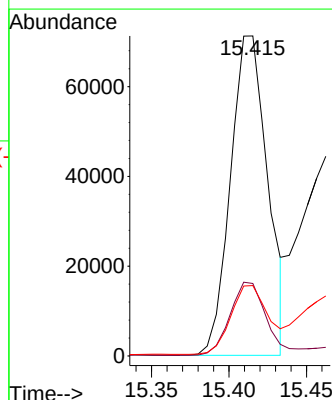
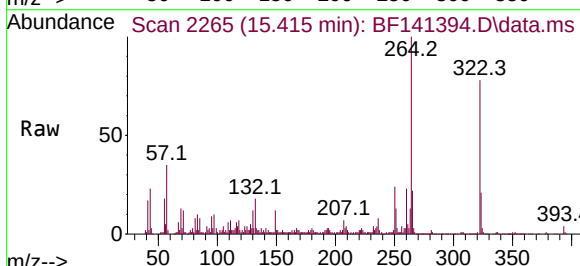
Tgt Ion:264 Resp: 118848

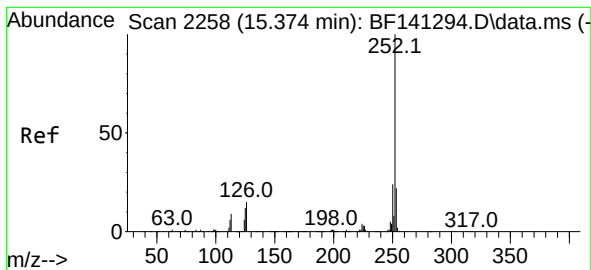
Ion Ratio Lower Upper

264 100

260 22.7 18.6 27.8

265 22.0 16.7 25.1





#90

Benzo(a)pyrene

Concen: 26.670 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.094 min

Lab File: BF141394.D

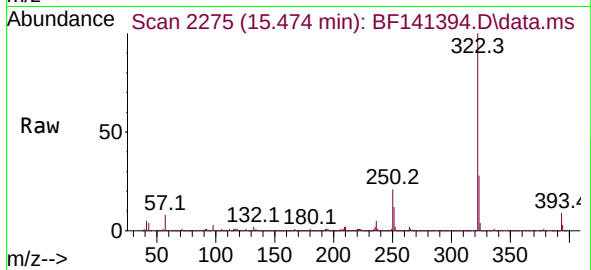
Acq: 04 Feb 2025 02:35

Instrument :

BNA_F

ClientSampleId :

CHRT-20430



Tgt Ion:252 Resp: 168486

Ion Ratio Lower Upper

252 100

253 10.9 17.2 25.8#

125 52.8 9.4 14.2#

