

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051724\
 Data File : BF137932.D
 Acq On : 17 May 2024 15:20
 Operator : CG\JU
 Sample : P2496-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24376

Quant Time: May 17 15:42:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

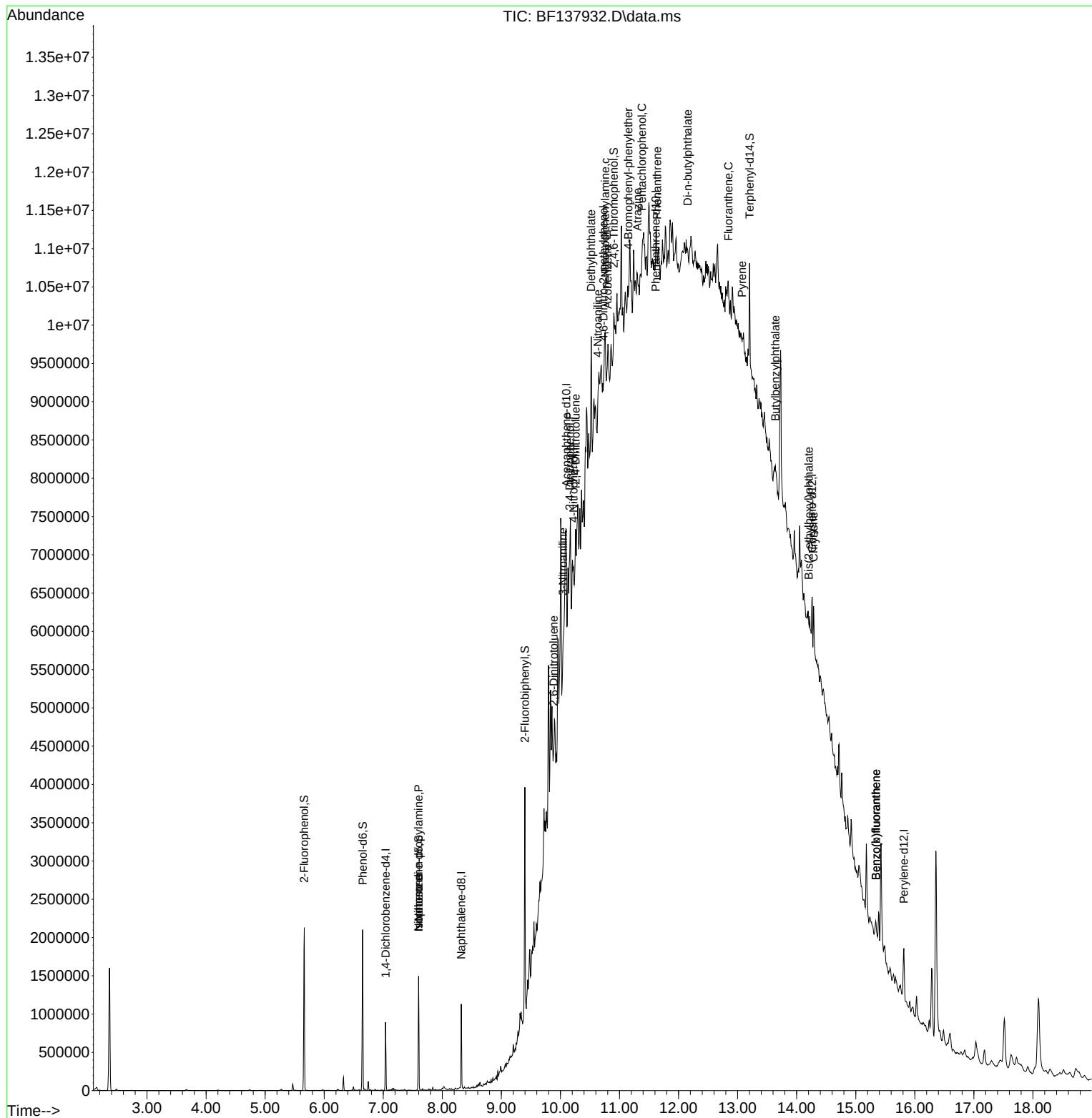
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.039	152	116907	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	428053	20.000	ng	0.00
39) Acenaphthene-d10	10.098	164	165668	20.000	ng	0.01
64) Phenanthrene-d10	11.616	188	198861	20.000	ng	# 0.04
76) Chrysene-d12	14.262	240	236862	20.000	ng	# 0.04
86) Perylene-d12	15.815	264	320841	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	599770	87.146	ng	0.00
7) Phenol-d6	6.651	99	721261	85.075	ng	0.00
23) Nitrobenzene-d5	7.598	82	424505	58.363	ng	-0.01
42) 2,4,6-Tribromophenol	10.904	330	169338	101.374	ng	0.02
45) 2-Fluorobiphenyl	9.398	172	819344	76.183	ng	0.00
79) Terphenyl-d14	13.204	244	688683	42.851	ng	0.04
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.598	70	56256	11.811	ng	# 77
25) Isophorone	7.598	82	424579	33.633	ng	# 64
51) 2,6-Dinitrotoluene	9.886	165	16297	6.835	ng	# 35
53) 3-Nitroaniline	10.045	138	22442	9.628	ng	# 21
54) 2,4-Dinitrophenol	10.157	184	854	7.573	ng	# 1
56) 4-Nitrophenol	10.222	139	11348	6.778	ng	# 1
57) 2,4-Dinitrotoluene	10.257	165	15202	4.932	ng	# 47
60) Diethylphthalate	10.522	149	84724	8.732	ng	# 45
62) 4-Nitroaniline	10.633	138	7913	3.579	ng	# 30
63) Azobenzene	10.798	77	17984	2.038	ng	# 40
65) 4,6-Dinitro-2-methylph...	10.727	198	3435	2.992	ng	# 1
66) n-Nitrosodiphenylamine	10.757	169	19976	3.276	ng	# 66
67) 4-Bromophenyl-phenylether	11.151	248	5084	2.332	ng	# 1
69) Atrazine	11.304	200	23878	14.339	ng	# 1
70) Pentachlorophenol	11.380	266	6580	4.661	ng	# 1
71) Phenanthrene	11.639	178	33695	3.438	ng	# 1
74) Di-n-butylphthalate	12.157	149	26013	2.639	ng	# 31
75) Fluoranthene	12.845	202	50419	5.069	ng	# 38
78) Pyrene	13.074	202	48145	2.324	ng	# 57
80) Butylbenzylphthalate	13.639	149	15751	2.521	ng	# 70
83) Chrysene	14.286	228	35420	2.471	ng	# 77
84) Bis(2-ethylhexyl)phtha...	14.204	149	21133	2.690	ng	# 72
88) Benzo(b)fluoranthene	15.345	252	75893	4.085	ng	# 26
89) Benzo(k)fluoranthene	15.345	252	75893	4.159	ng	# 25

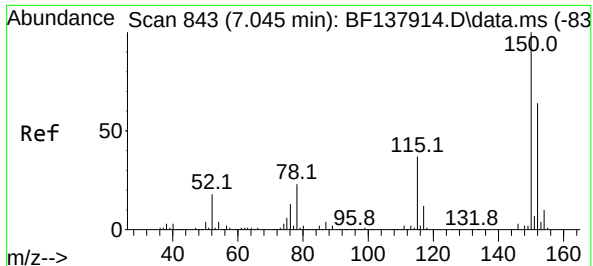
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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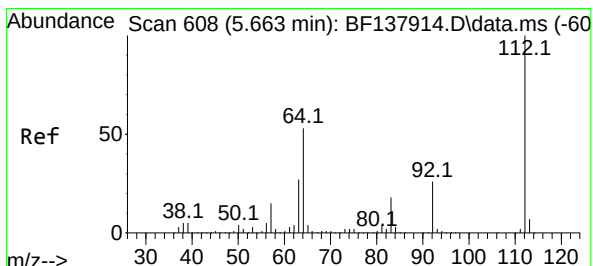
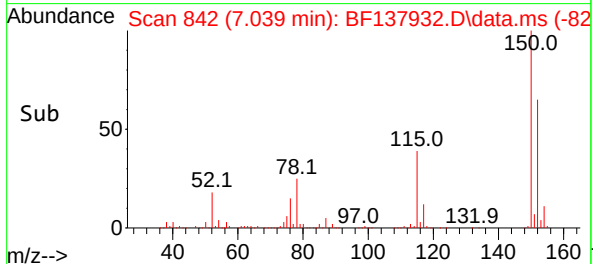
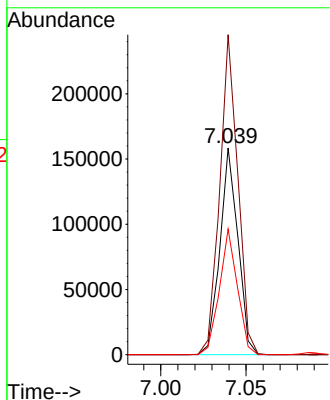
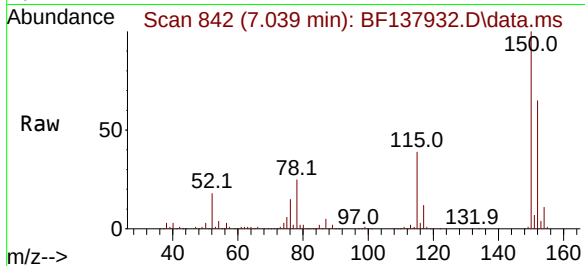




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.039 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

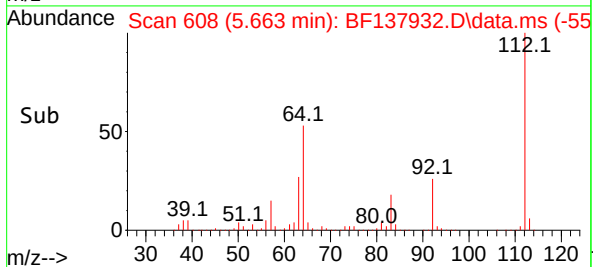
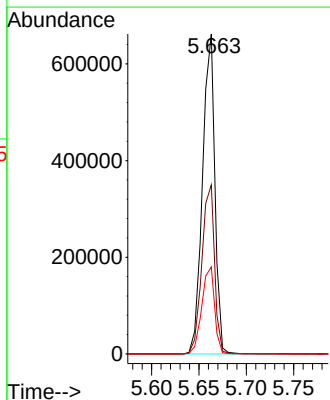
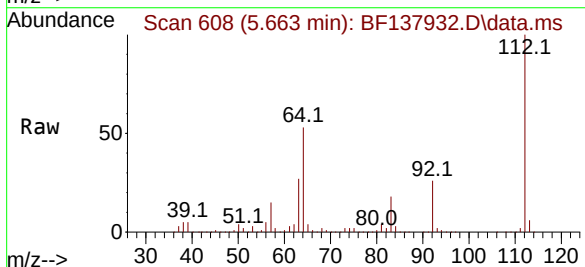
Instrument :
BNA_F
ClientSampleId :
CHRT-24376

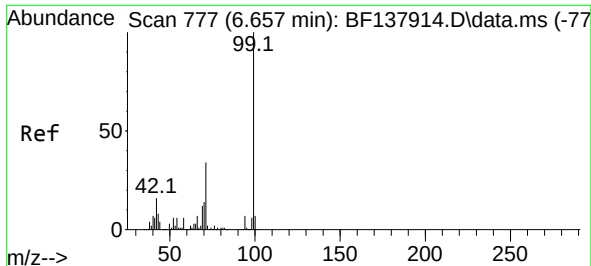
Tgt Ion:152 Resp: 116907
Ion Ratio Lower Upper
152 100
150 154.8 125.7 188.5
115 60.7 47.0 70.6



#5
2-Fluorophenol
Concen: 87.146 ng
RT: 5.663 min Scan# 608
Delta R.T. 0.000 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

Tgt Ion:112 Resp: 599770
Ion Ratio Lower Upper
112 100
64 52.9 42.4 63.6
63 27.2 21.4 32.2





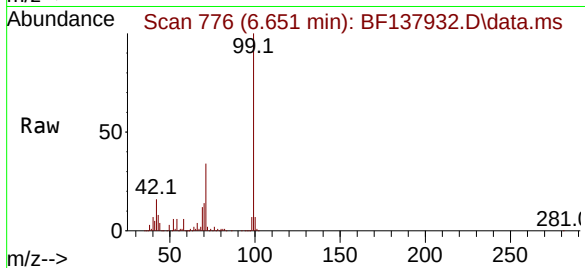
#7
Phenol-d6
Concen: 85.075 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

Instrument :

BNA_F

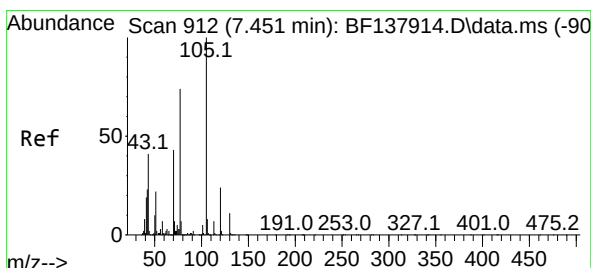
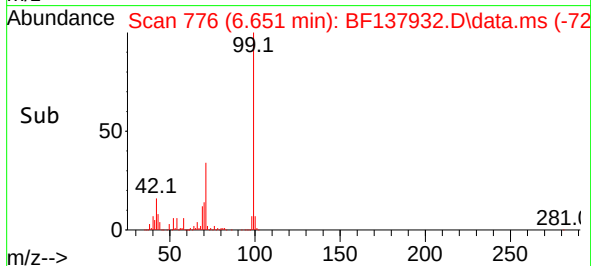
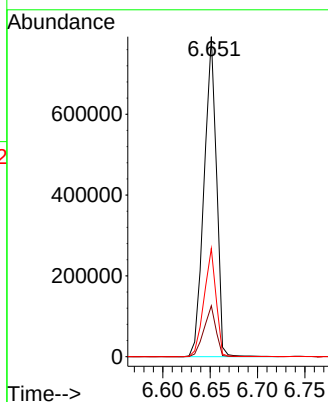
ClientSampleId :

CHRT-24376



Tgt Ion: 99 Resp: 721261

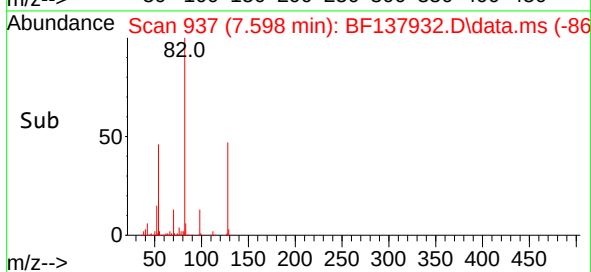
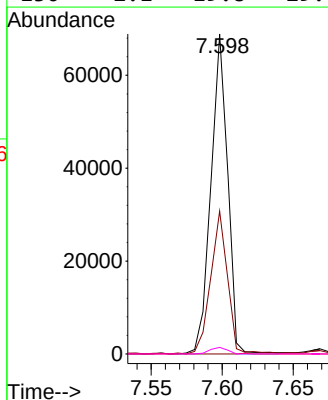
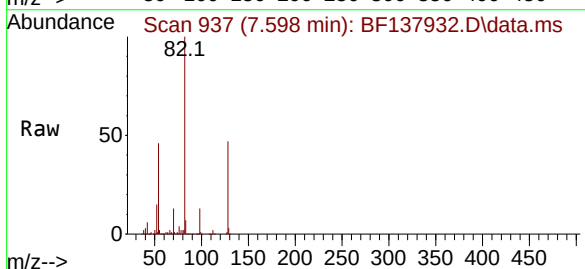
Ion	Ratio	Lower	Upper
99	100		
42	15.9	12.6	18.8
71	33.8	27.1	40.7

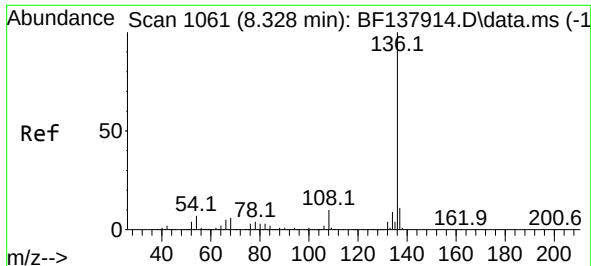


#19
n-Nitroso-di-n-propylamine
Concen: 11.811 ng
RT: 7.598 min Scan# 937
Delta R.T. 0.147 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

Tgt Ion: 70 Resp: 56256

Ion	Ratio	Lower	Upper
70	100		
42	44.6	42.2	63.4
101	0.0	8.8	13.2#
130	2.1	19.8	29.8#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

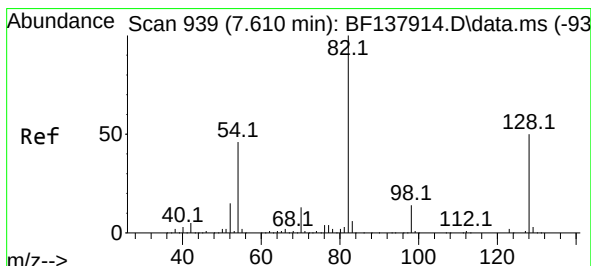
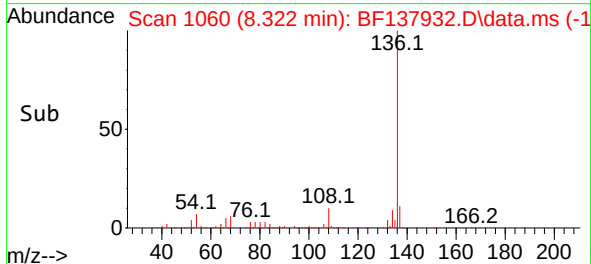
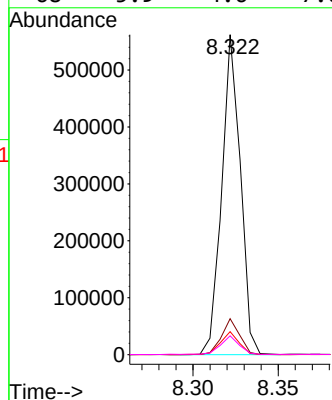
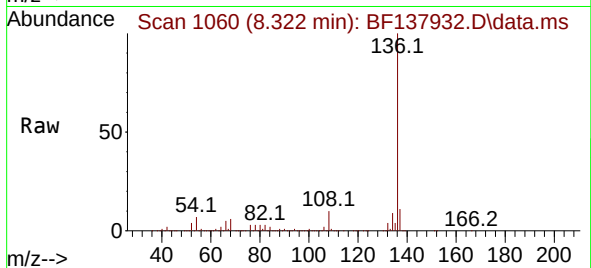
Instrument :

BNA_F

ClientSampleId :

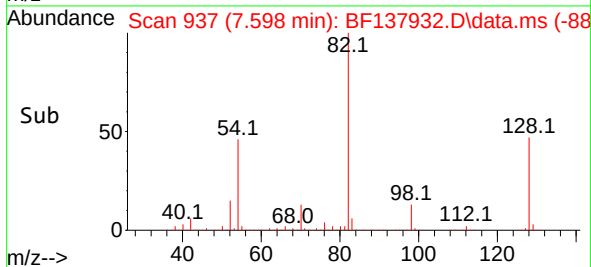
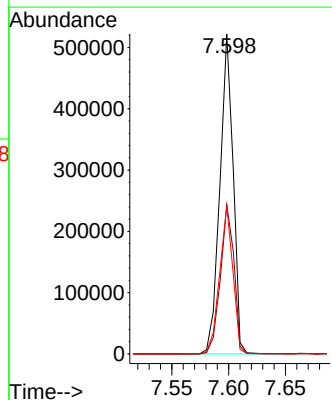
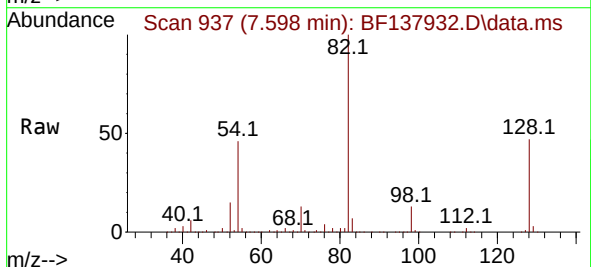
CHRT-24376

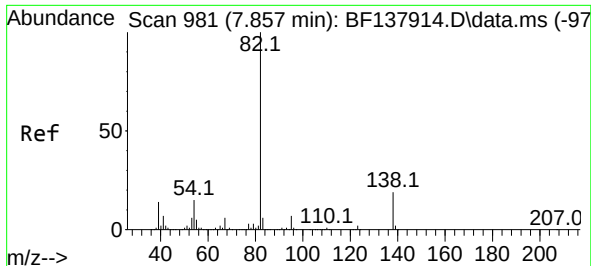
Tgt Ion:136 Resp: 428053
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 7.2 5.4 8.2
68 5.9 4.6 7.0



#23
Nitrobenzene-d5
Concen: 58.363 ng
RT: 7.598 min Scan# 937
Delta R.T. -0.012 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

Tgt Ion: 82 Resp: 424505
Ion Ratio Lower Upper
82 100
128 46.6 40.3 60.5
54 46.5 36.8 55.2

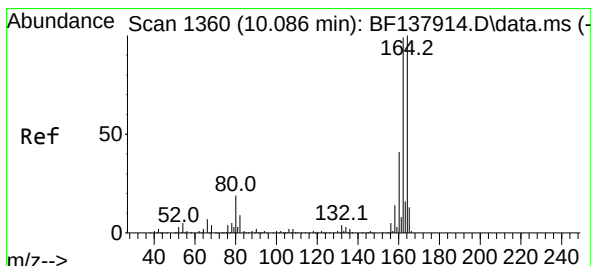
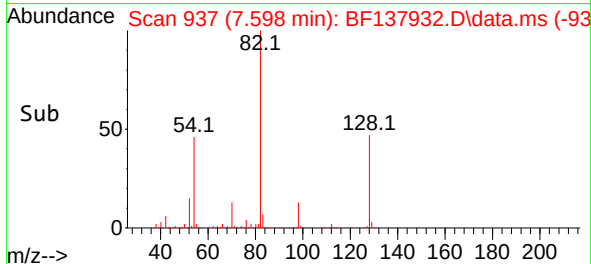
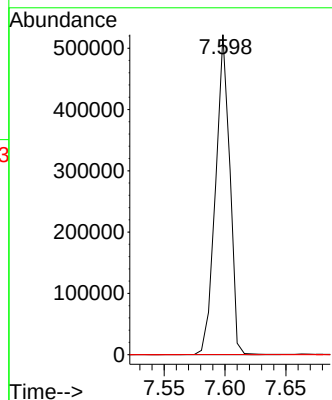
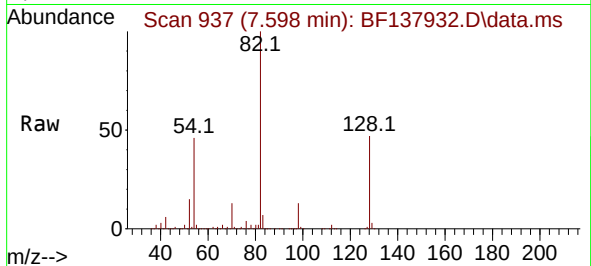




#25
Isophorone
Concen: 33.633 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

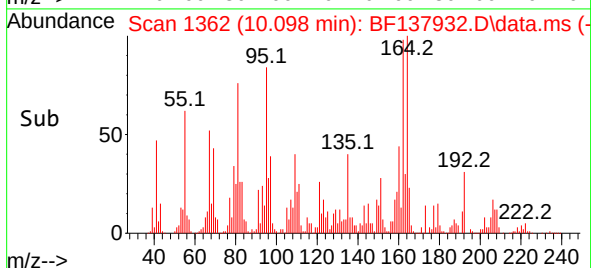
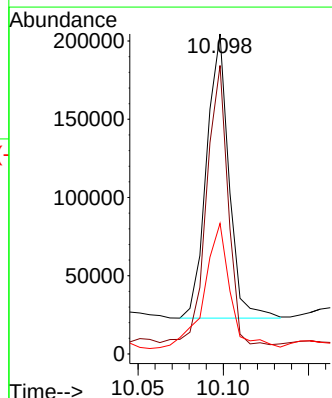
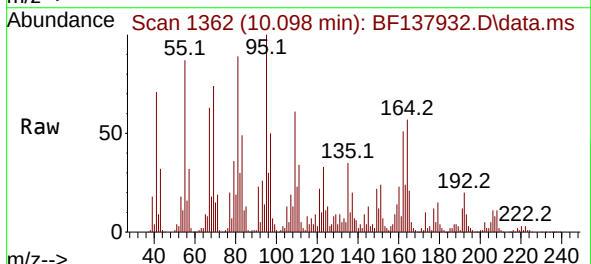
Instrument :
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ClientSampleId :
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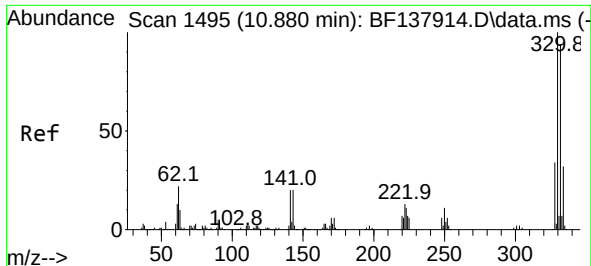
Tgt Ion: 82 Resp: 424579
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.012 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

Tgt Ion:164 Resp: 165668
Ion Ratio Lower Upper
164 100
162 90.2 79.4 119.2
160 40.8 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 101.374 ng

RT: 10.904 min Scan# 1499

Delta R.T. 0.024 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

Instrument :

BNA_F

ClientSampleId :

CHRT-24376

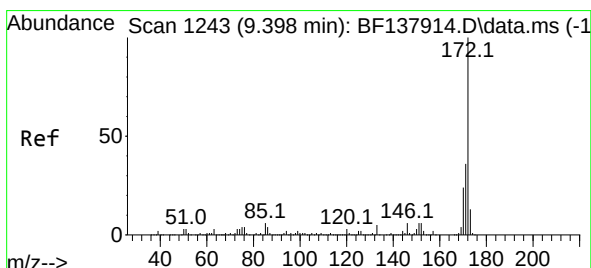
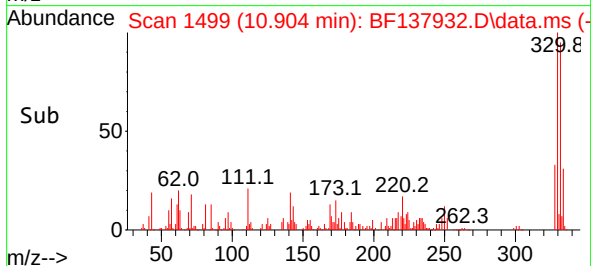
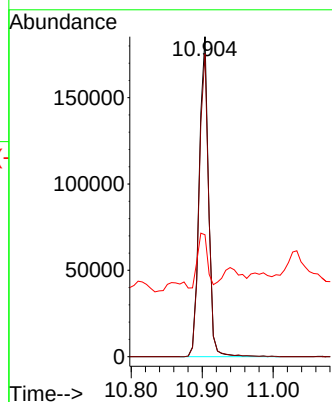
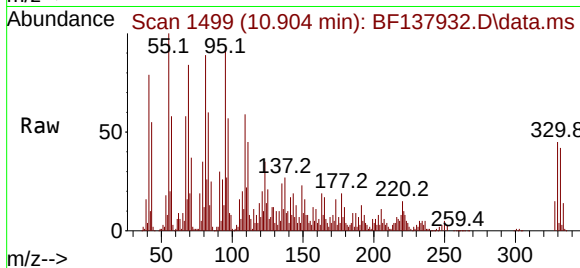
Tgt Ion:330 Resp: 169338

Ion Ratio Lower Upper

330 100

332 96.6 75.8 113.8

141 18.3 23.8 35.6#



#45

2-Fluorobiphenyl

Concen: 76.183 ng

RT: 9.398 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

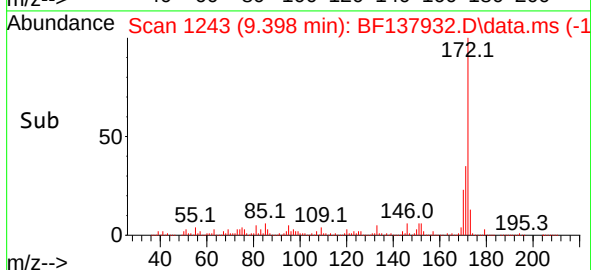
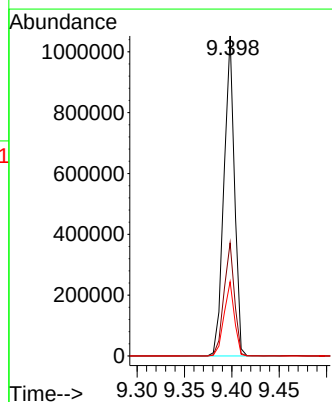
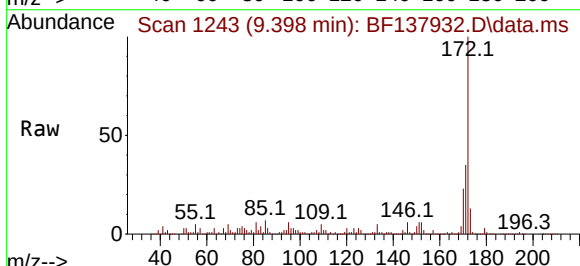
Tgt Ion:172 Resp: 819344

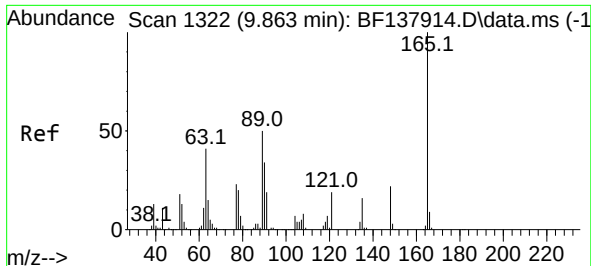
Ion Ratio Lower Upper

172 100

171 35.4 28.9 43.3

170 23.2 18.9 28.3

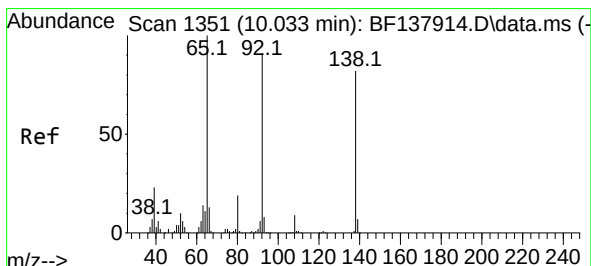
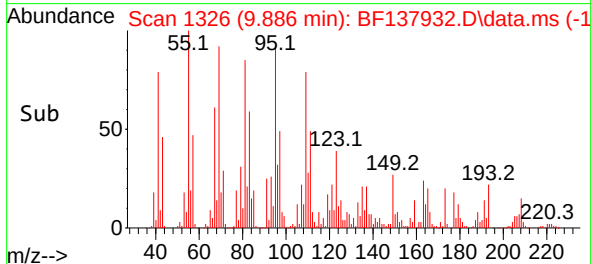
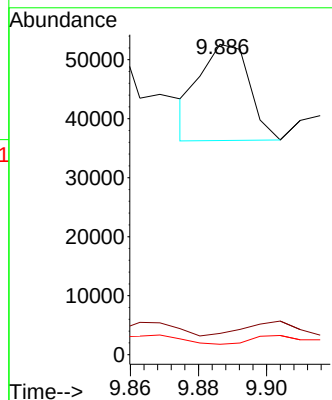
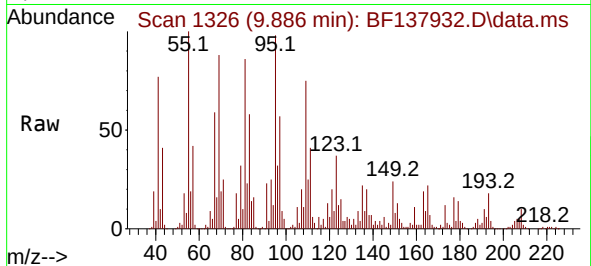




#51
2,6-Dinitrotoluene
Concen: 6.835 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

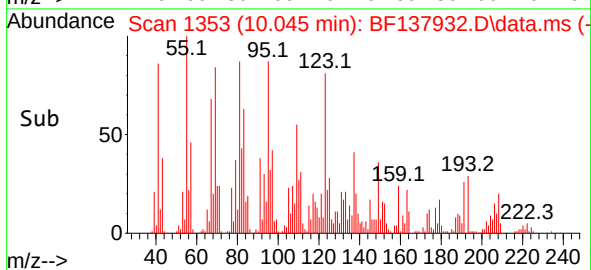
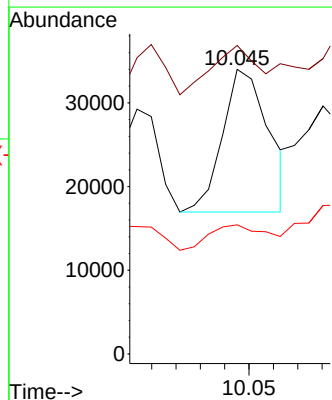
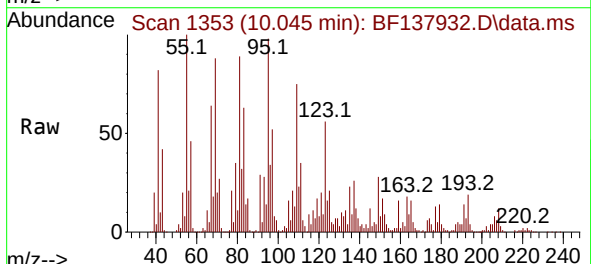
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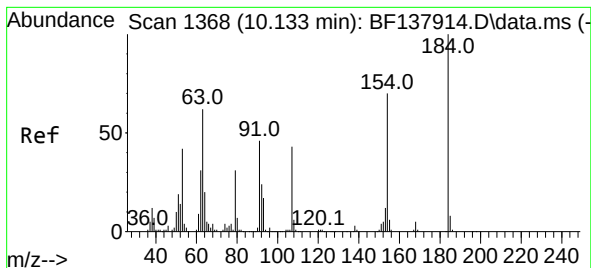
Tgt Ion:165 Resp: 16297
Ion Ratio Lower Upper
165 100
63 6.9 38.9 58.3#
89 3.3 40.4 60.6#



#53
3-Nitroaniline
Concen: 9.628 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.012 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

Tgt Ion:138 Resp: 22442
Ion Ratio Lower Upper
138 100
108 108.4 8.8 13.2#
92 45.4 88.6 133.0#





#54

2,4-Dinitrophenol

Concen: 7.573 ng

RT: 10.157 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

Instrument :

BNA_F

ClientSampleId :

CHRT-24376

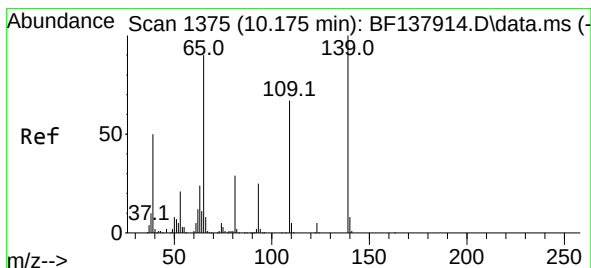
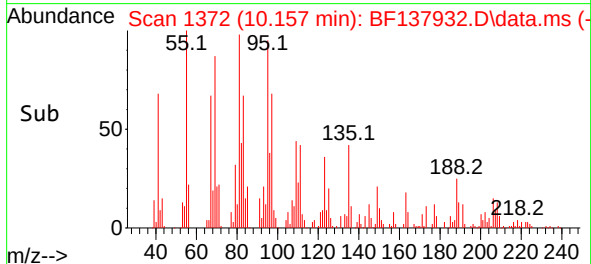
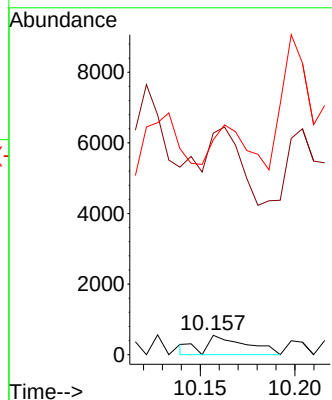
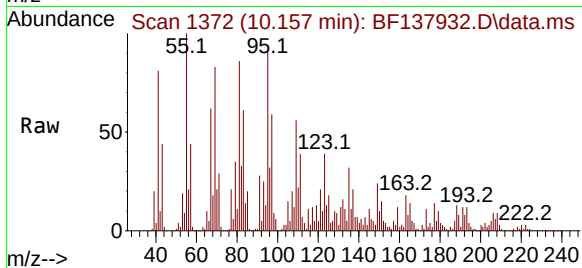
Tgt Ion:184 Resp: 854

Ion Ratio Lower Upper

184 100

63 1143.7 50.4 75.6#

154 1108.7 63.7 95.5#



#56

4-Nitrophenol

Concen: 6.778 ng

RT: 10.222 min Scan# 1383

Delta R.T. 0.047 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

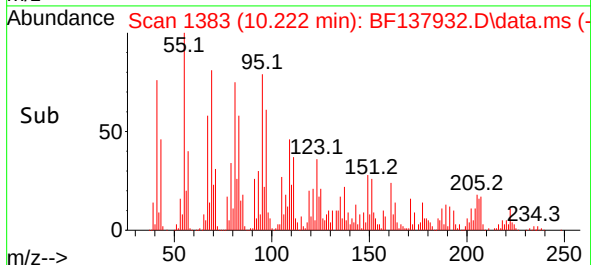
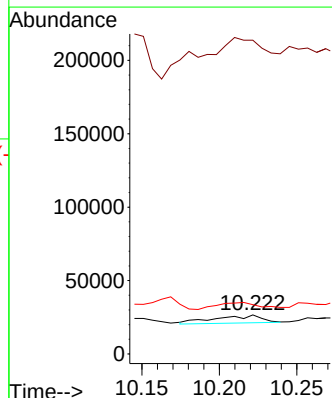
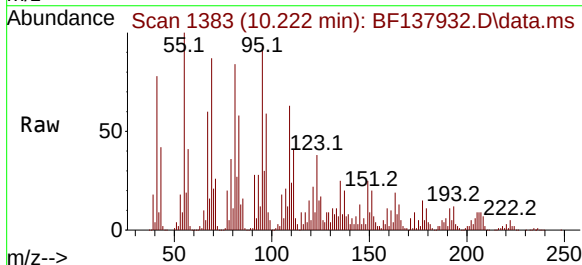
Tgt Ion:139 Resp: 11348

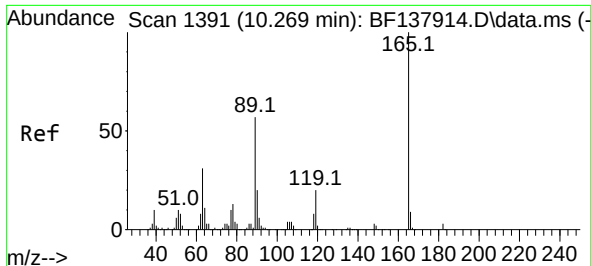
Ion Ratio Lower Upper

139 100

109 802.6 46.5 86.5#

65 125.9 70.4 110.4#

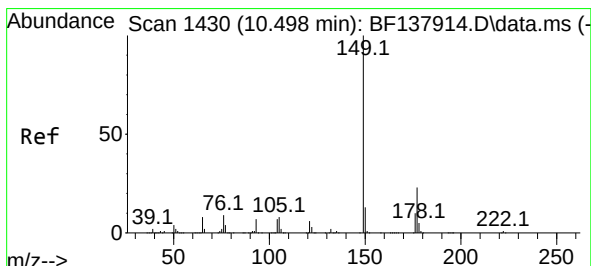
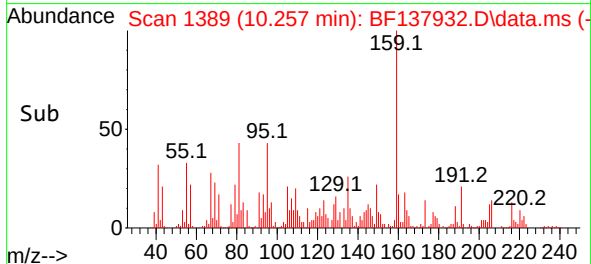
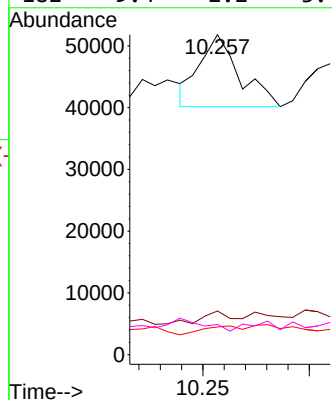
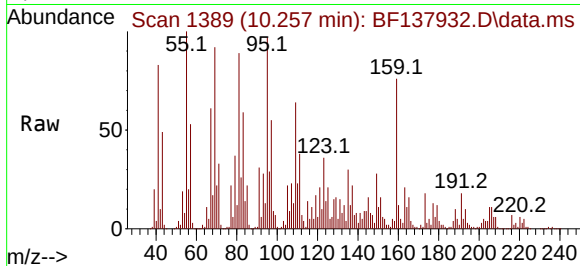




#57
2,4-Dinitrotoluene
Concen: 4.932 ng
RT: 10.257 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

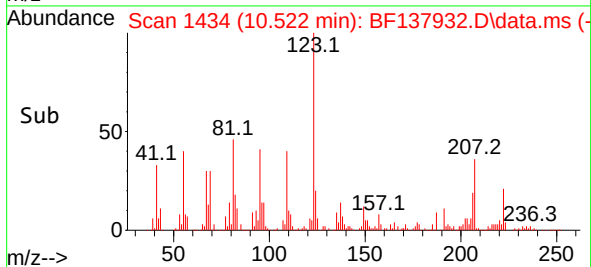
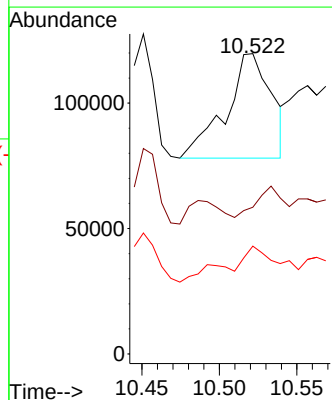
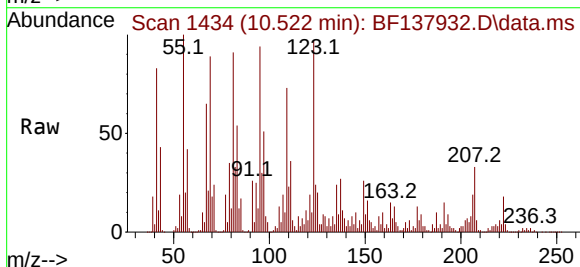
Instrument :
BNA_F
ClientSampleId :
CHRT-24376

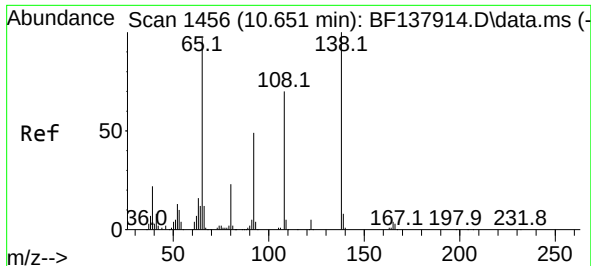
Tgt Ion:165 Resp: 15202
Ion Ratio Lower Upper
165 100
63 13.6 25.3 37.9#
89 8.6 45.9 68.9#
182 9.4 2.2 3.4#



#60
Diethylphthalate
Concen: 8.732 ng
RT: 10.522 min Scan# 1434
Delta R.T. 0.024 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

Tgt Ion:149 Resp: 84724
Ion Ratio Lower Upper
149 100
177 48.9 18.4 27.6#
150 35.9 10.1 15.1#

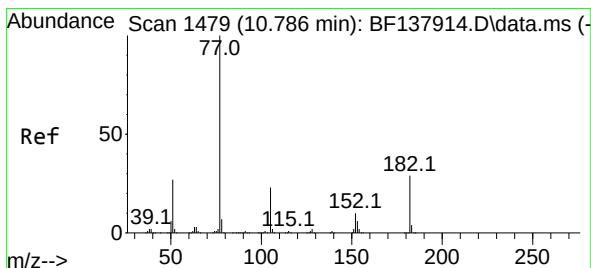
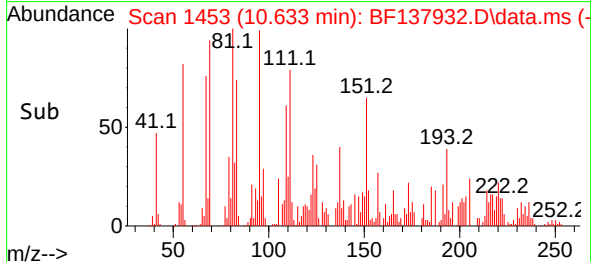
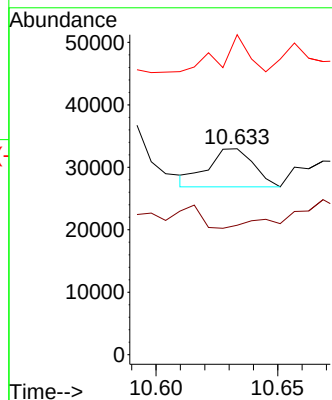
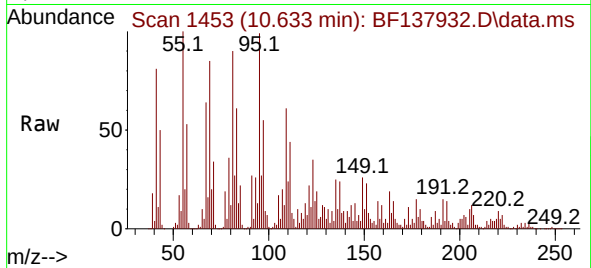




#62
4-Nitroaniline
Concen: 3.579 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.018 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

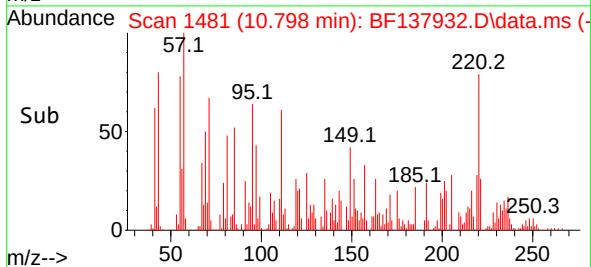
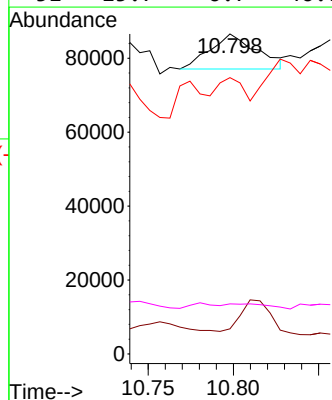
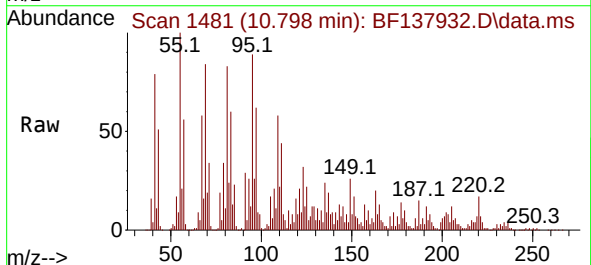
Instrument :
BNA_F
ClientSampleId :
CHRT-24376

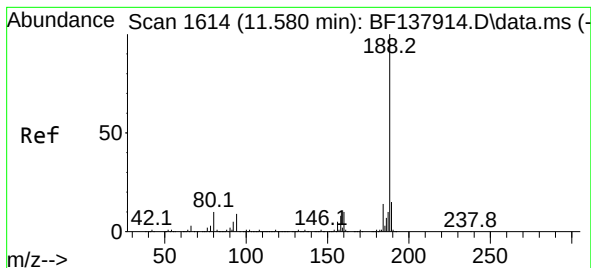
Tgt Ion:138 Resp: 7913
Ion Ratio Lower Upper
138 100
92 62.9 29.0 69.0
108 155.4 49.7 89.7#



#63
Azobenzene
Concen: 2.038 ng
RT: 10.798 min Scan# 1481
Delta R.T. 0.012 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

Tgt Ion: 77 Resp: 17984
Ion Ratio Lower Upper
77 100
182 7.9 9.2 49.2#
105 86.4 3.1 43.1#
51 15.7 6.7 46.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.616 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

Instrument :

BNA_F

ClientSampleId :

CHRT-24376

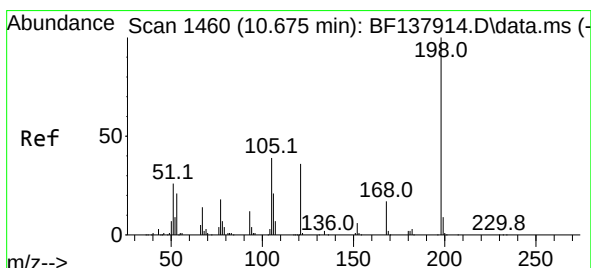
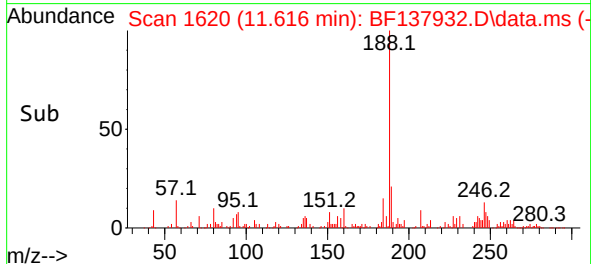
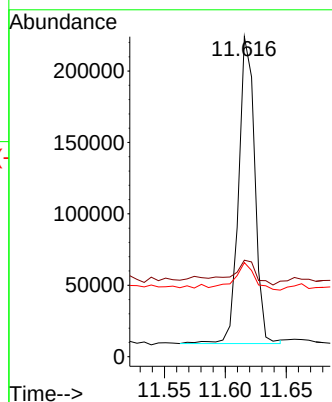
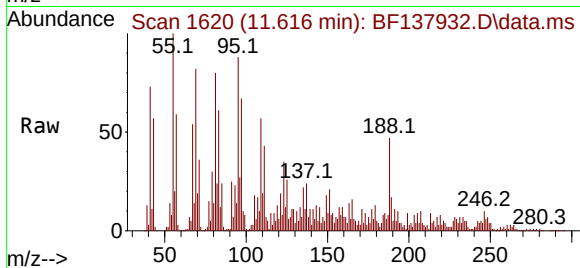
Tgt Ion:188 Resp: 198861

Ion Ratio Lower Upper

188 100

94 30.2 7.0 10.4#

80 29.4 7.7 11.5#



#65

4,6-Dinitro-2-methylphenol

Concen: 2.992 ng

RT: 10.727 min Scan# 1469

Delta R.T. 0.052 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

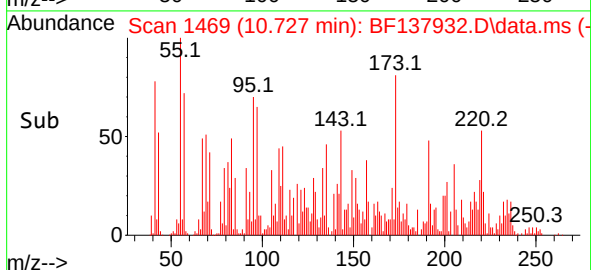
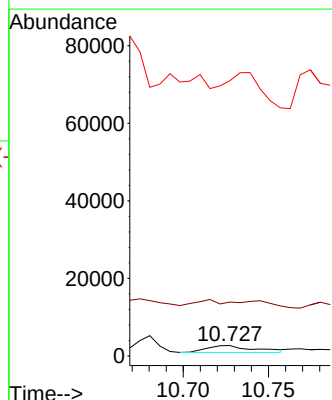
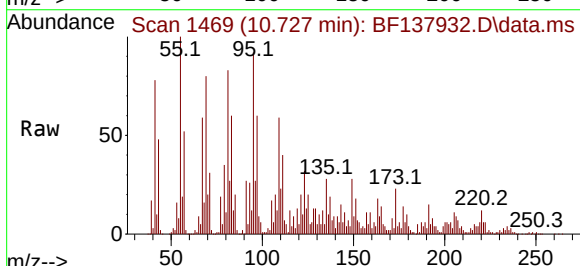
Tgt Ion:198 Resp: 3435

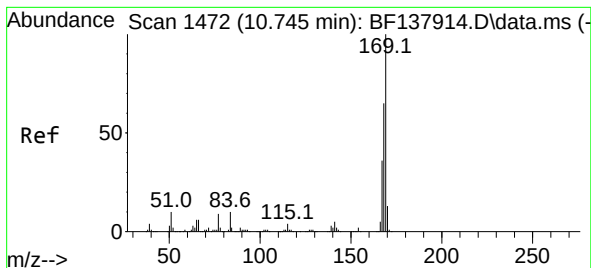
Ion Ratio Lower Upper

198 100

51 515.2 13.8 53.8#

105 2627.9 19.0 59.0#





#66

n-Nitrosodiphenylamine

Concen: 3.276 ng

RT: 10.757 min Scan# 1472

Delta R.T. 0.012 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

Instrument :

BNA_F

ClientSampleId :

CHRT-24376

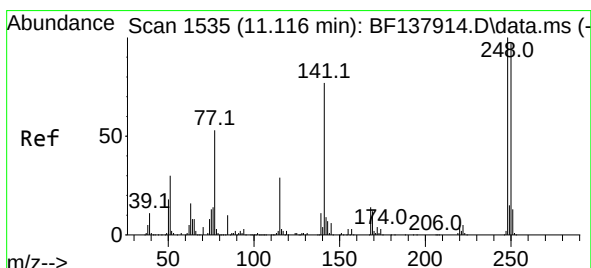
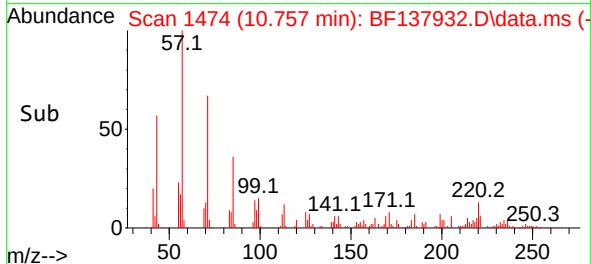
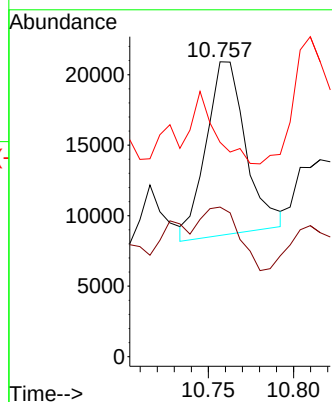
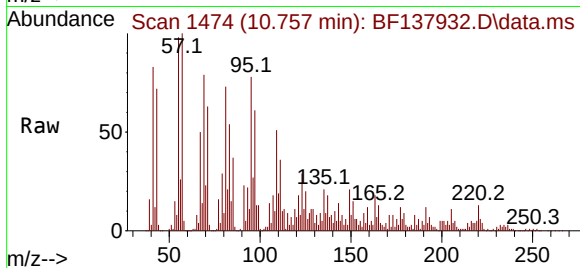
Tgt Ion:169 Resp: 19976

Ion Ratio Lower Upper

169 100

168 50.7 52.4 78.6#

167 72.7 28.9 43.3#



#67

4-Bromophenyl-phenylether

Concen: 2.332 ng

RT: 11.151 min Scan# 1541

Delta R.T. 0.035 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

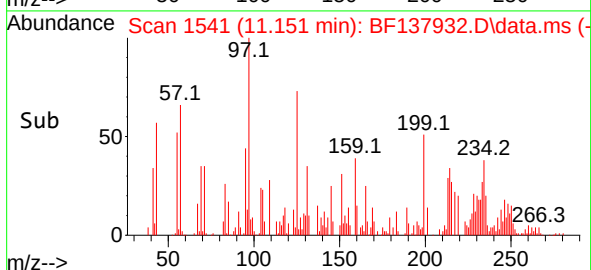
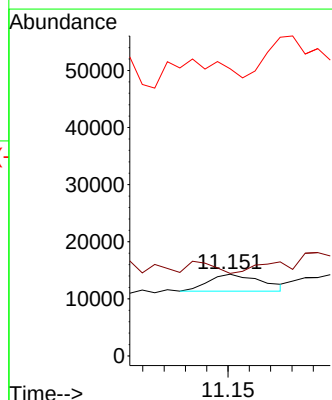
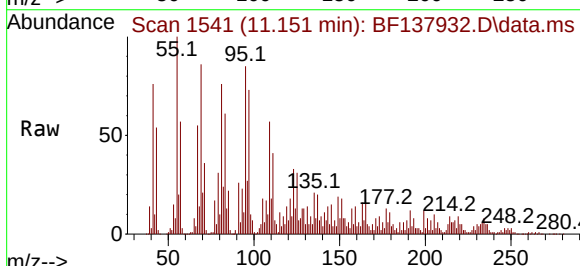
Tgt Ion:248 Resp: 5084

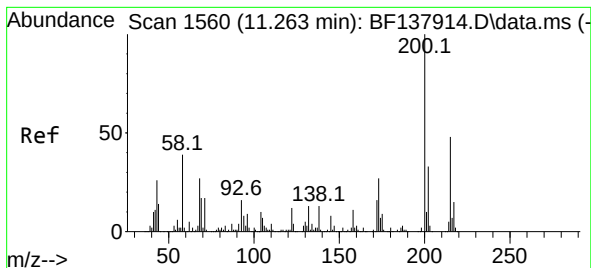
Ion Ratio Lower Upper

248 100

250 101.0 77.6 116.4

141 351.6 61.4 92.2#





#69

Atrazine

Concen: 14.339 ng

RT: 11.304 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

Instrument :

BNA_F

ClientSampleId :

CHRT-24376

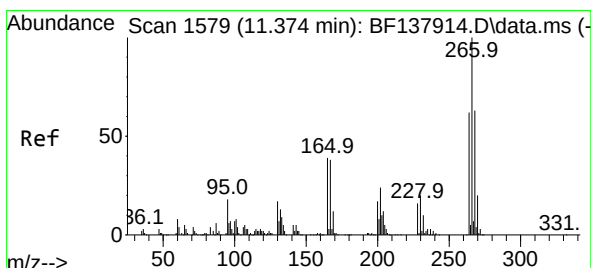
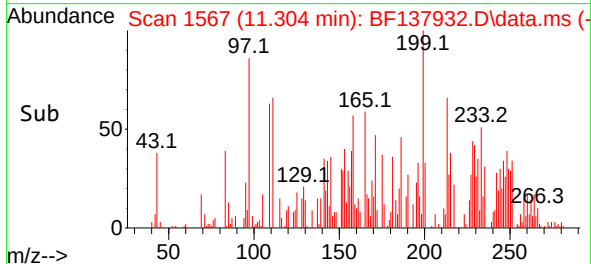
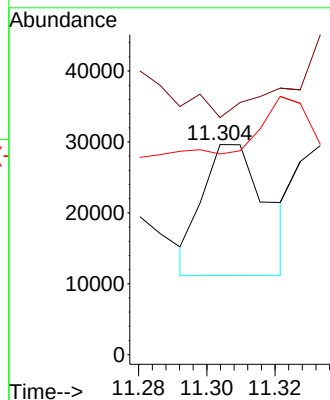
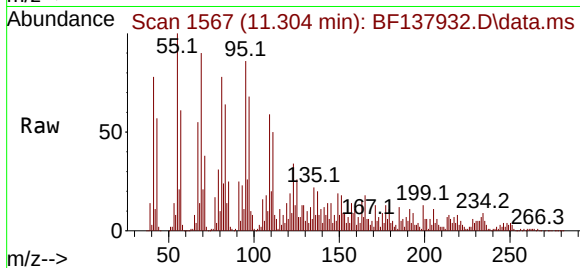
Tgt Ion:200 Resp: 23878

Ion Ratio Lower Upper

200 100

173 112.9 6.6 46.6#

215 95.5 27.5 67.5#



#70

Pentachlorophenol

Concen: 4.661 ng

RT: 11.380 min Scan# 1580

Delta R.T. 0.006 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

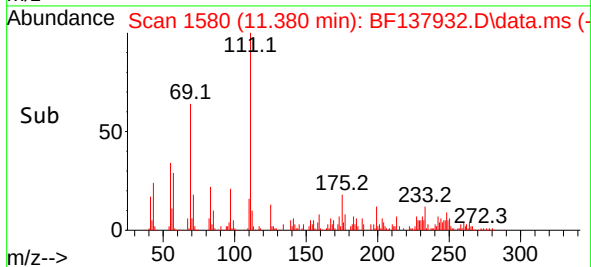
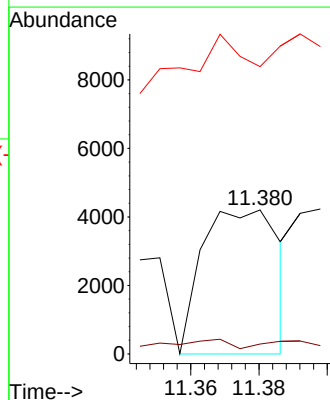
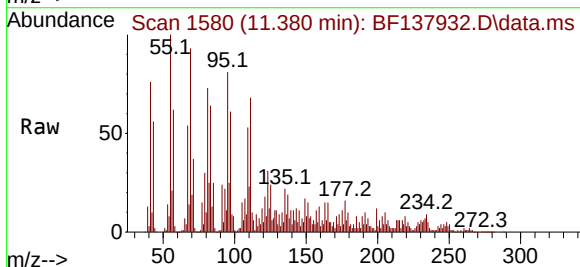
Tgt Ion:266 Resp: 6580

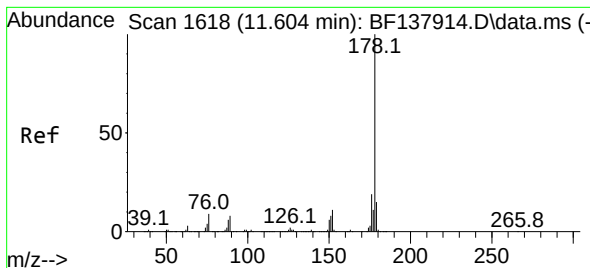
Ion Ratio Lower Upper

266 100

268 6.9 50.1 75.1#

264 199.6 49.4 74.2#





#71

Phenanthrene

Concen: 3.438 ng

RT: 11.639 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

Instrument :

BNA_F

ClientSampleId :

CHRT-24376

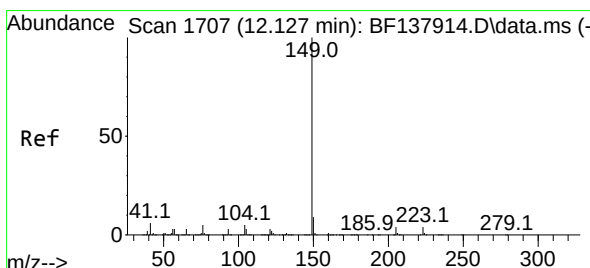
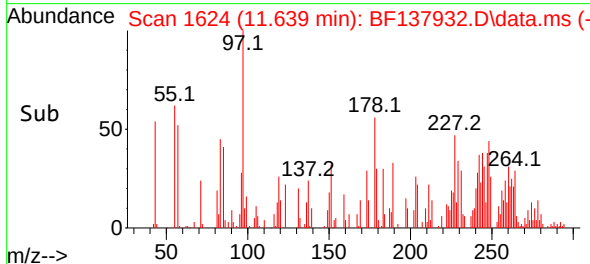
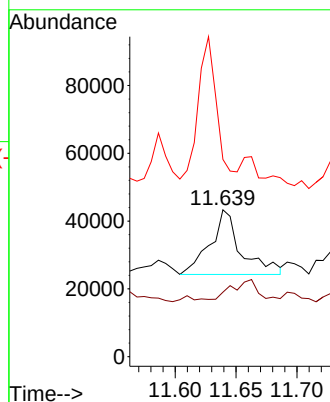
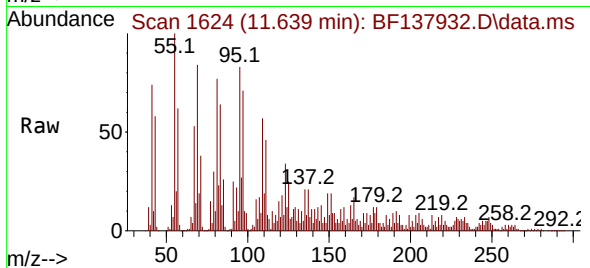
Tgt Ion:178 Resp: 33695

Ion Ratio Lower Upper

178 100

176 43.8 15.2 22.8#

179 134.3 12.2 18.4#



#74

Di-n-butylphthalate

Concen: 2.639 ng

RT: 12.157 min Scan# 1712

Delta R.T. 0.029 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

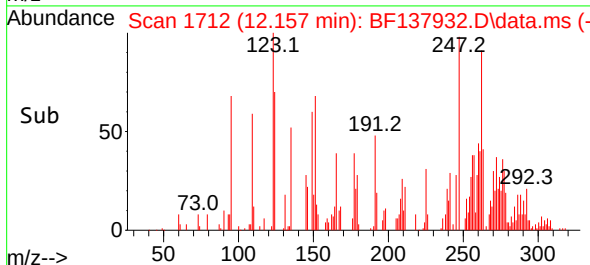
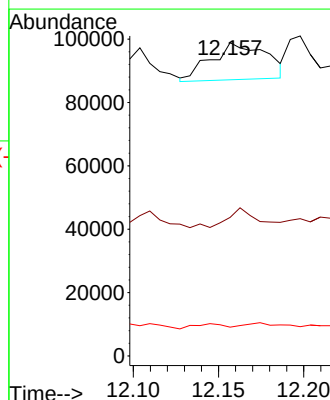
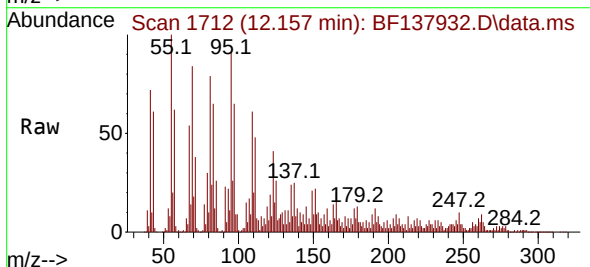
Tgt Ion:149 Resp: 26013

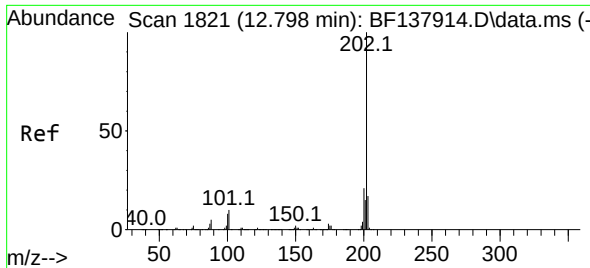
Ion Ratio Lower Upper

149 100

150 44.2 7.4 11.2#

104 9.2 3.6 5.4#

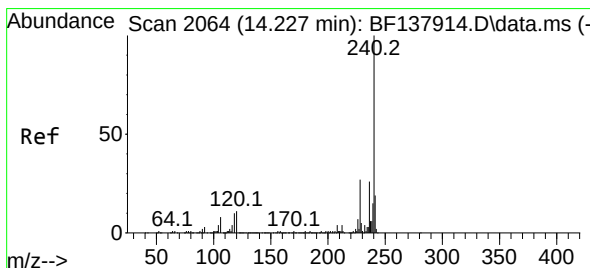
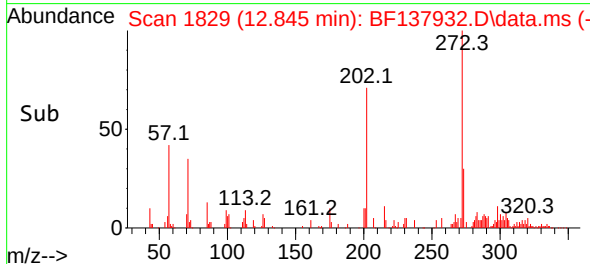
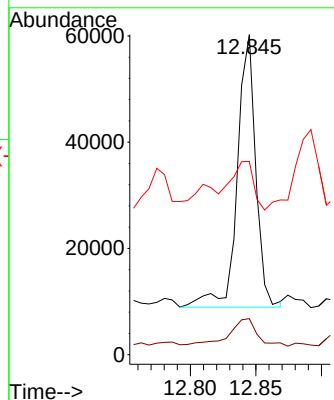
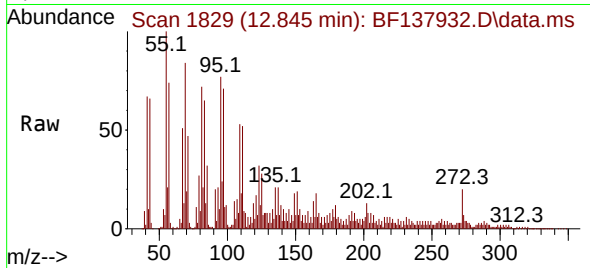




#75
Fluoranthene
Concen: 5.069 ng
RT: 12.845 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

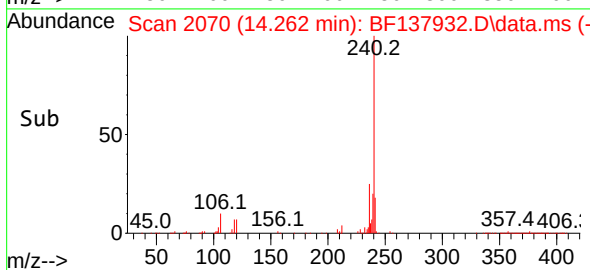
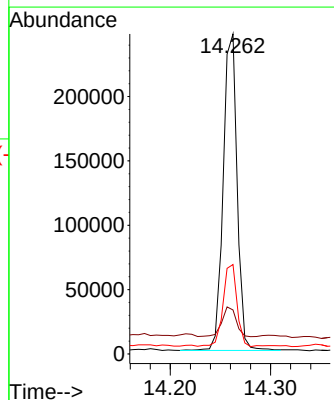
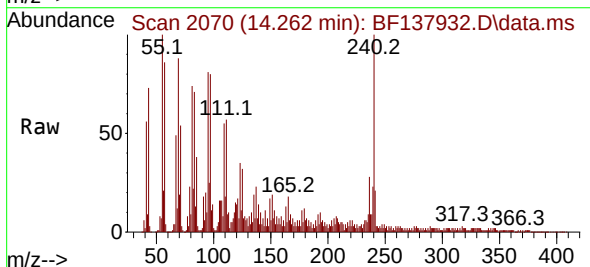
Instrument :
BNA_F
ClientSampleId :
CHRT-24376

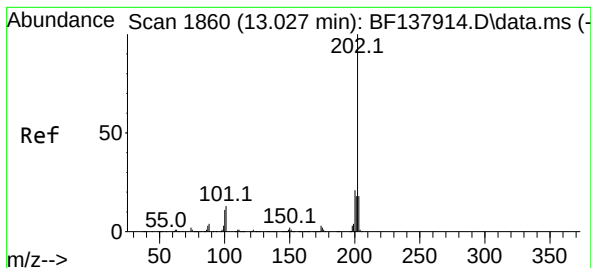
Tgt Ion:202 Resp: 50419
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.5
203 60.4 0.0 37.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.262 min Scan# 2070
Delta R.T. 0.035 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

Tgt Ion:240 Resp: 236862
Ion Ratio Lower Upper
240 100
120 13.8 8.9 13.3#
236 27.9 21.0 31.4





#78

Pyrene

Concen: 2.324 ng

RT: 13.074 min Scan# 1860

Delta R.T. 0.047 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

Instrument :

BNA_F

ClientSampleId :

CHRT-24376

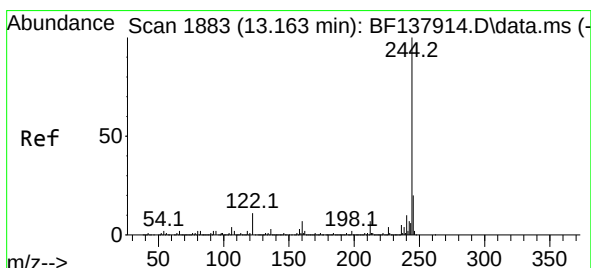
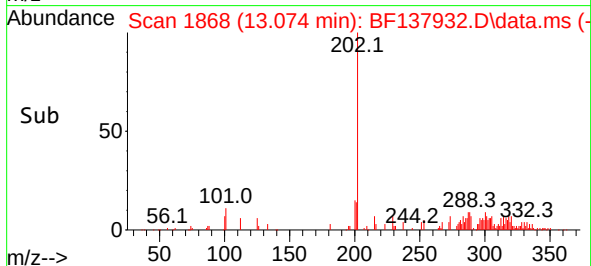
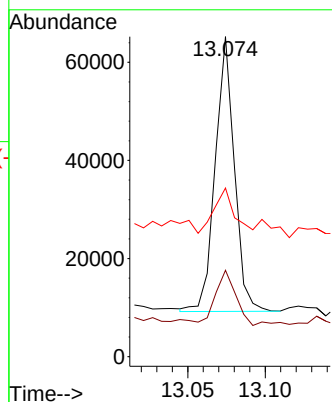
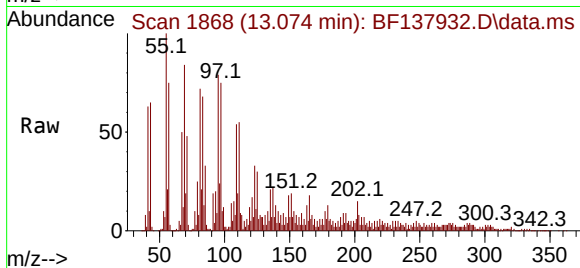
Tgt Ion:202 Resp: 48145

Ion Ratio Lower Upper

202 100

200 27.0 17.0 25.4#

203 52.7 14.1 21.1#



#79

Terphenyl-d14

Concen: 42.851 ng

RT: 13.204 min Scan# 1890

Delta R.T. 0.041 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

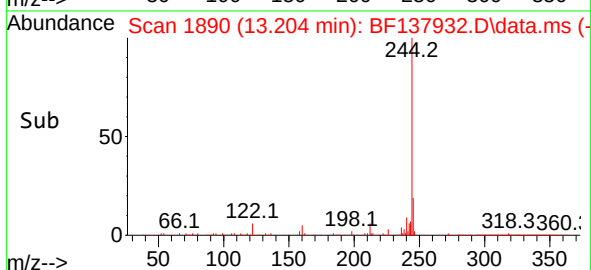
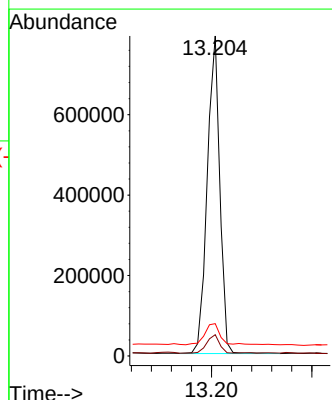
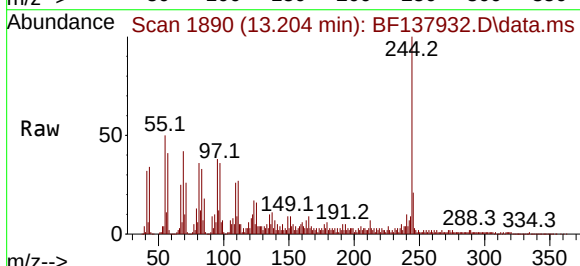
Tgt Ion:244 Resp: 688683

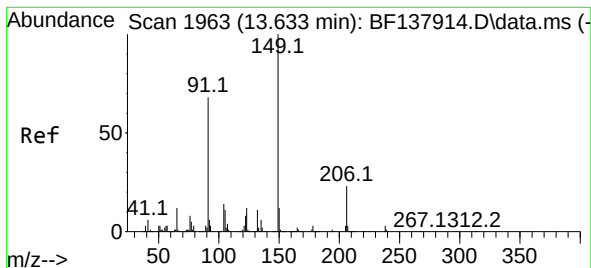
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.1 8.8 13.2





#80

Butylbenzylphthalate

Concen: 2.521 ng

RT: 13.639 min Scan# 1963

Delta R.T. 0.006 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

Instrument :

BNA_F

ClientSampleId :

CHRT-24376

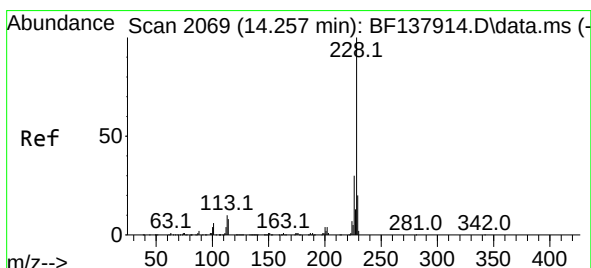
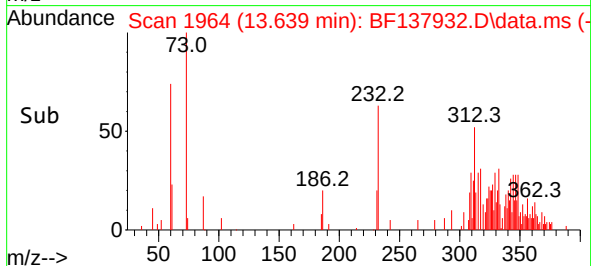
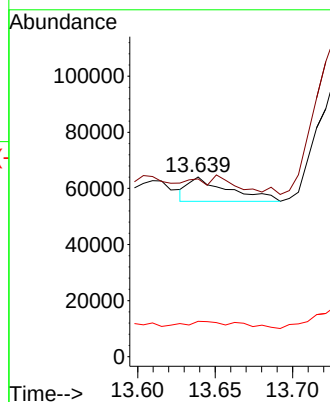
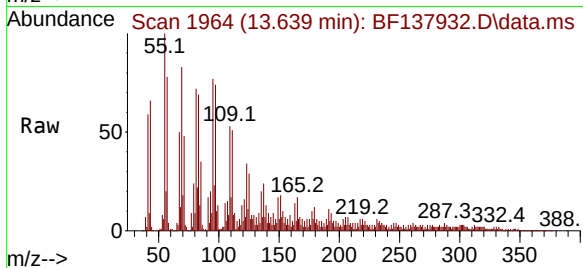
Tgt Ion:149 Resp: 15751

Ion Ratio Lower Upper

149 100

91 99.0 54.2 81.4#

206 19.7 18.1 27.1



#83

Chrysene

Concen: 2.471 ng

RT: 14.286 min Scan# 2074

Delta R.T. 0.029 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

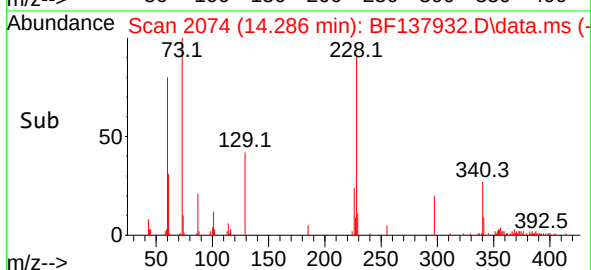
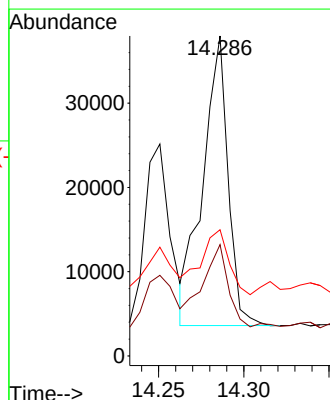
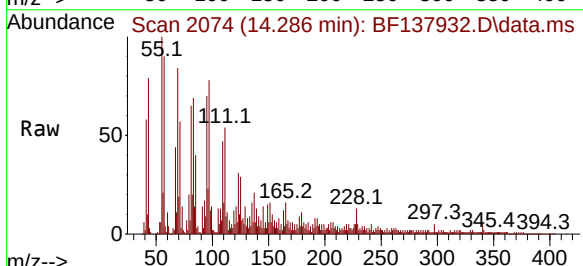
Tgt Ion:228 Resp: 35420

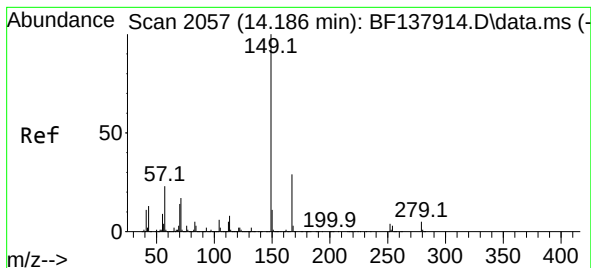
Ion Ratio Lower Upper

228 100

226 34.8 23.8 35.8

229 39.4 15.6 23.4#

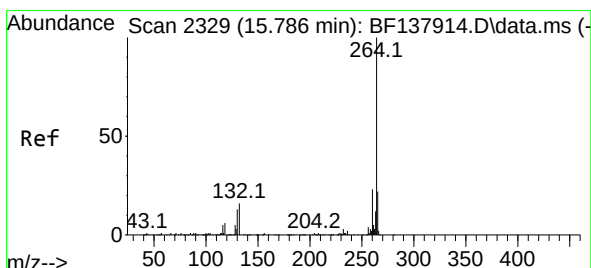
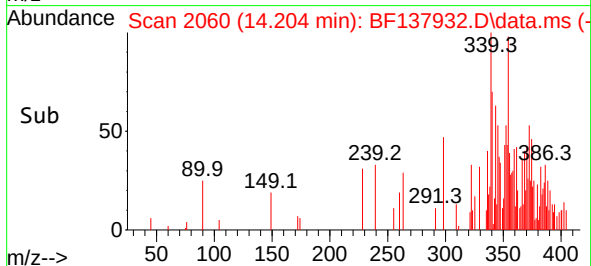
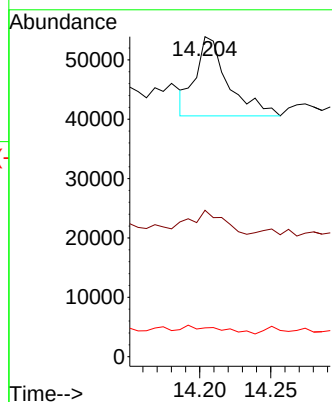
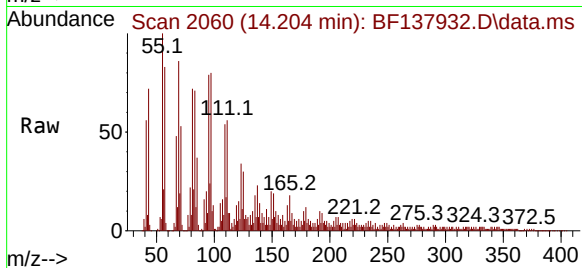




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.690 ng
RT: 14.204 min Scan# 2057
Delta R.T. 0.018 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

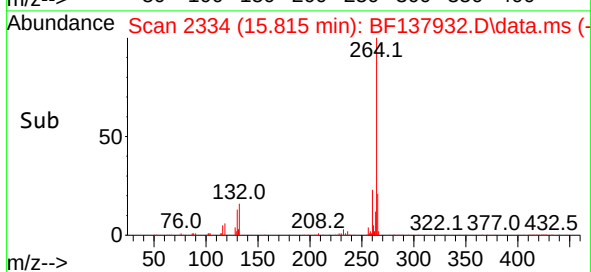
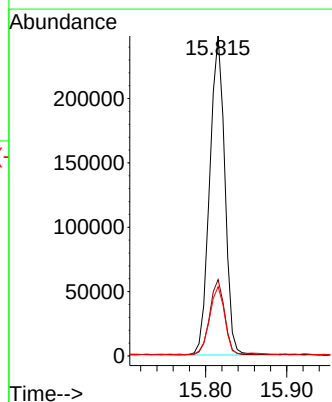
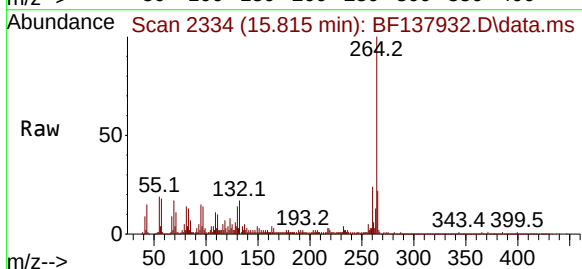
Instrument :
BNA_F
ClientSampleId :
CHRT-24376

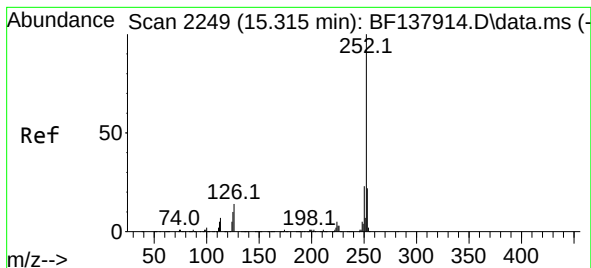
Tgt Ion:149 Resp: 21133
Ion Ratio Lower Upper
149 100
167 45.8 23.2 34.8#
279 9.0 4.1 6.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.815 min Scan# 2334
Delta R.T. 0.029 min
Lab File: BF137932.D
Acq: 17 May 2024 15:20

Tgt Ion:264 Resp: 320841
Ion Ratio Lower Upper
264 100
260 23.9 18.3 27.5
265 21.6 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 4.085 ng

RT: 15.345 min Scan# 2249

Delta R.T. 0.029 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

Instrument :

BNA_F

ClientSampleId :

CHRT-24376

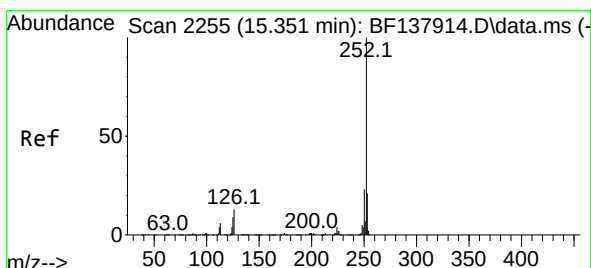
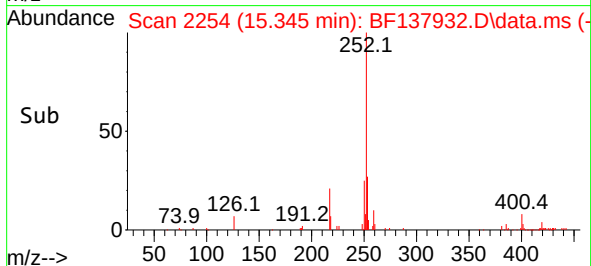
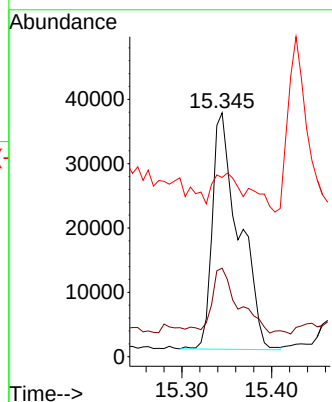
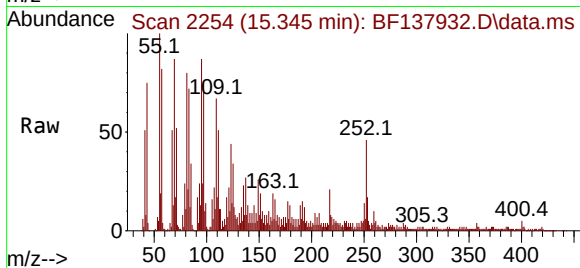
Tgt Ion:252 Resp: 75893

Ion Ratio Lower Upper

252 100

253 36.3 17.6 26.4#

125 73.5 8.2 12.4#



#89

Benzo(k)fluoranthene

Concen: 4.159 ng

RT: 15.345 min Scan# 2254

Delta R.T. -0.006 min

Lab File: BF137932.D

Acq: 17 May 2024 15:20

Tgt Ion:252 Resp: 75893

Ion Ratio Lower Upper

252 100

253 36.3 17.4 26.0#

125 73.5 7.7 11.5#

