

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
 Data File : BM042590.D
 Acq On : 04 Nov 2023 14:17
 Operator : MA/JU
 Sample : 05228-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CHRT-26882

Quant Time: Nov 06 01:44:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:52:20 2023
 Response via : Initial Calibration

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

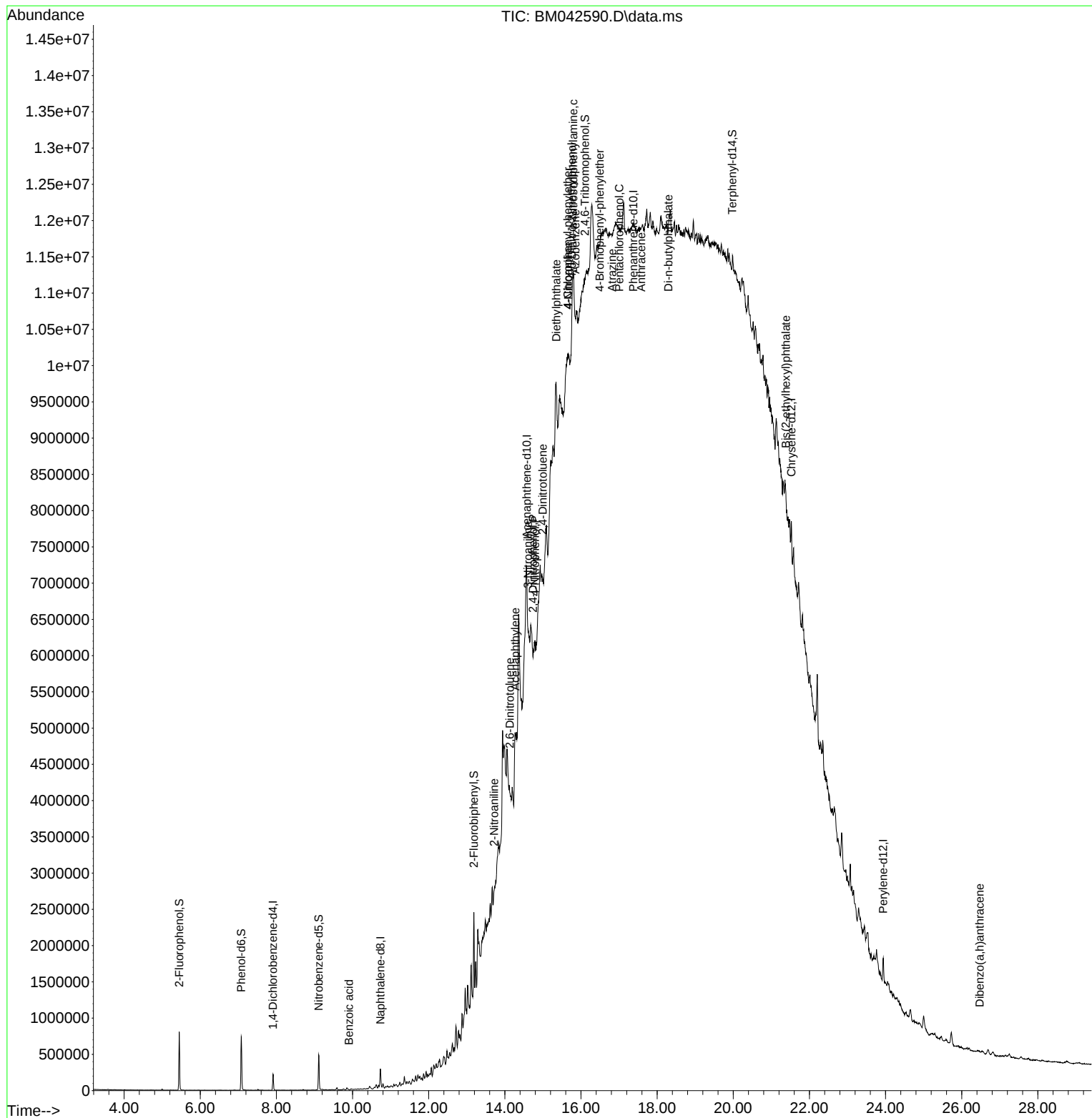
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	51089	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	190842	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	145909	20.000	ng	# 0.02
64) Phenanthrene-d10	17.374	188	123684	20.000	ng	# 0.06
76) Chrysene-d12	21.527	240	243449	20.000	ng	# 0.02
86) Perylene-d12	23.938	264	275969	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	282532	89.251	ng	0.00
7) Phenol-d6	7.075	99	355999	81.999	ng	0.00
23) Nitrobenzene-d5	9.110	82	261914	63.977	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	119426	62.692	ng	0.04
45) 2-Fluorobiphenyl	13.186	172	520212	47.975	ng	0.00
79) Terphenyl-d14	19.974	244	483948	33.707	ng	0.04
Target Compounds						Qvalue
32) Benzoic acid	9.904	122	113	4.157	ng	# 11
48) 2-Nitroaniline	13.716	65	2996	5.176	ng	# 65
49) Acenaphthylene	14.274	152	32273	2.382	ng	# 1
51) 2,6-Dinitrotoluene	14.133	165	23023	10.244	ng	# 26
53) 3-Nitroaniline	14.610	138	3014	5.439	ng	# 50
54) 2,4-Dinitrophenol	14.739	184	119	7.815	ng	# 1
56) 4-Nitrophenol	14.792	139	4686	9.049	ng	# 1
57) 2,4-Dinitrotoluene	14.998	165	36313	13.751	ng	# 21
60) Diethylphthalate	15.351	149	57788	5.231	ng	# 27
61) 4-Chlorophenyl-phenyle...	15.651	204	32635	5.971	ng	# 1
62) 4-Nitroaniline	15.663	138	6898	8.437	ng	# 14
63) Azobenzene	15.857	77	27681	2.274	ng	# 44
65) 4,6-Dinitro-2-methylph...	15.757	198	2217	8.284	ng	# 1
66) n-Nitrosodiphenylamine	15.798	169	69206	19.844	ng	# 71
67) 4-Bromophenyl-phenylether	16.492	248	12443	10.061	ng	# 1
69) Atrazine	16.815	200	44847	44.504	ng	# 1
70) Pentachlorophenol	17.004	266	4426	4.400	ng	# 32
72) Anthracene	17.580	178	13465	2.103	ng	# 1
74) Di-n-butylphthalate	18.298	149	86433	11.818	ng	# 38
84) Bis(2-ethylhexyl)phtha...	21.380	149	26796	2.483	ng	# 64
91) Dibenzo(a,h)anthracene	26.474	278	645	4.177	ng	# 1

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
Data File : BM042590.D
Acq On : 04 Nov 2023 14:17
Operator : MA/JU
Sample : 05228-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CHRT-26882

Quant Time: Nov 06 01:44:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 15:52:20 2023
Response via : Initial Calibration

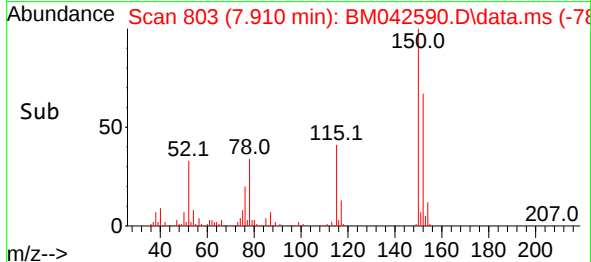
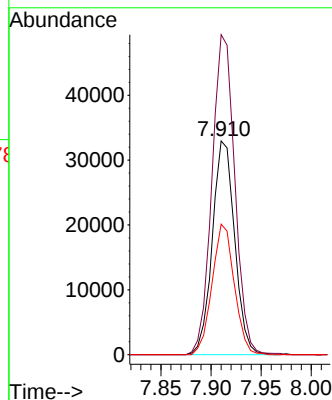
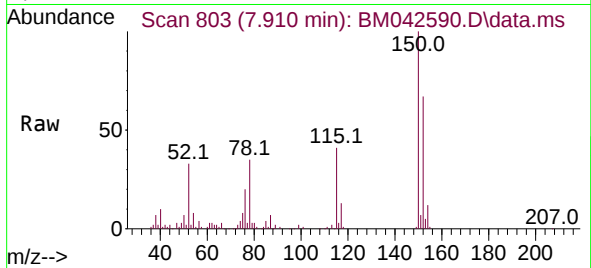




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

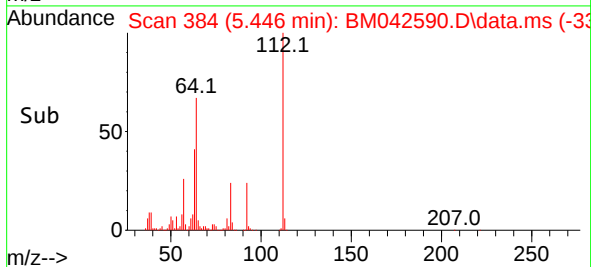
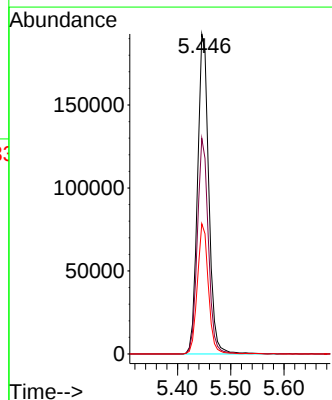
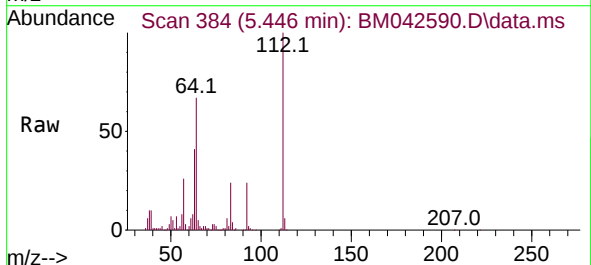
Instrument :
BNA_M
ClientSampleId :
CHRT-26882

Tgt Ion:152 Resp: 51089
Ion Ratio Lower Upper
152 100
150 149.7 127.4 191.0
115 61.1 47.9 71.9



#5
2-Fluorophenol
Concen: 89.251 ng
RT: 5.446 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

Tgt Ion:112 Resp: 282532
Ion Ratio Lower Upper
112 100
64 67.4 52.1 78.1
63 40.7 28.3 42.5

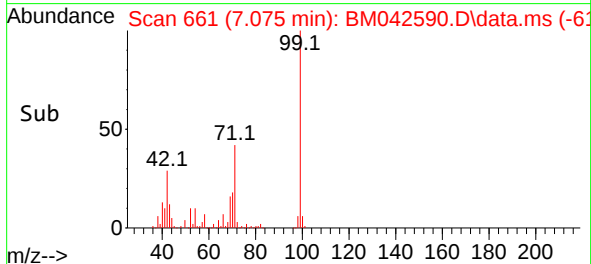
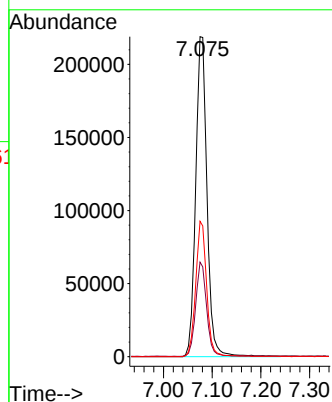
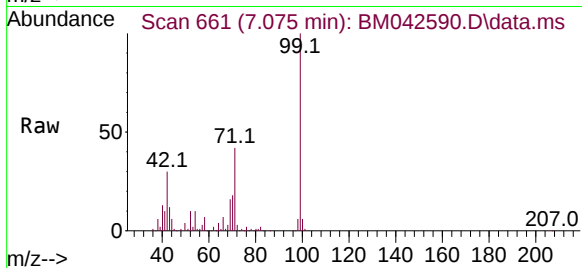




#7
Phenol-d6
Concen: 81.999 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

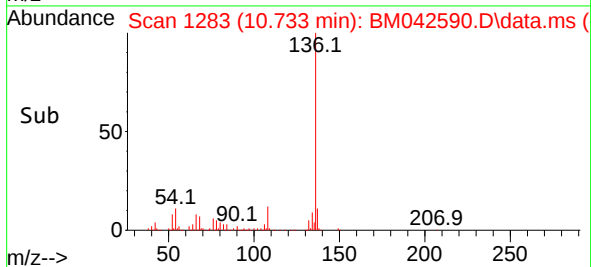
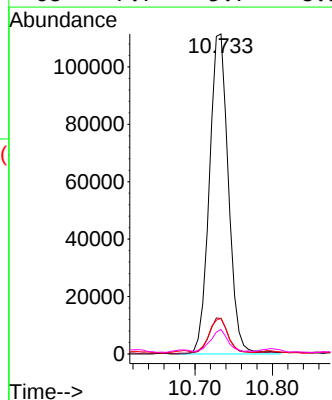
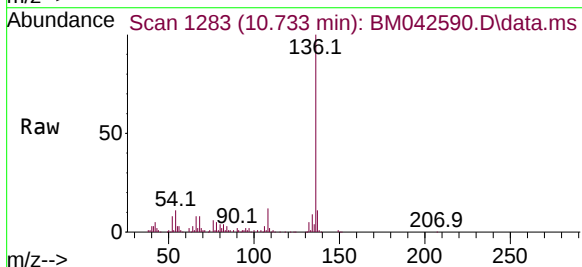
Instrument :
BNA_M
ClientSampleId :
CHRT-26882

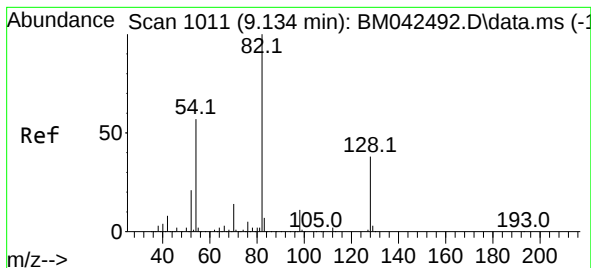
Tgt Ion: 99 Resp: 355999
Ion Ratio Lower Upper
99 100
42 29.5 18.7 28.1#
71 42.3 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

Tgt Ion: 136 Resp: 190842
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 11.2 8.0 12.0
68 7.7 5.7 8.5





#23

Nitrobenzene-d5

Concen: 63.977 ng

RT: 9.110 min Scan# 110

Delta R.T. -0.000 min

Lab File: BM042590.D

Acq: 04 Nov 2023 14:17

Instrument :

BNA_M

ClientSampleId :

CHRT-26882

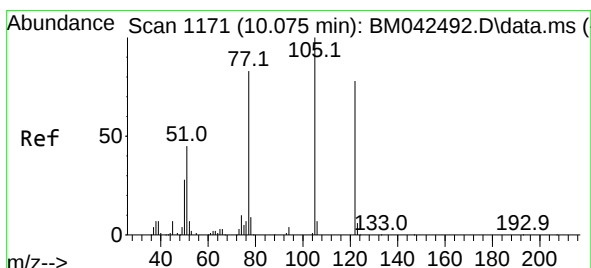
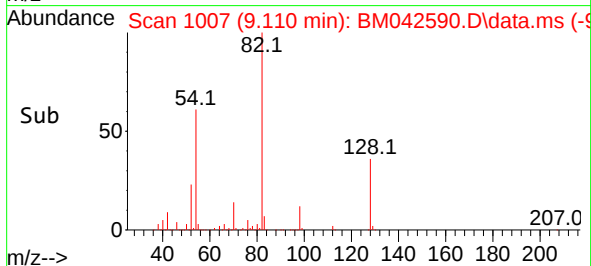
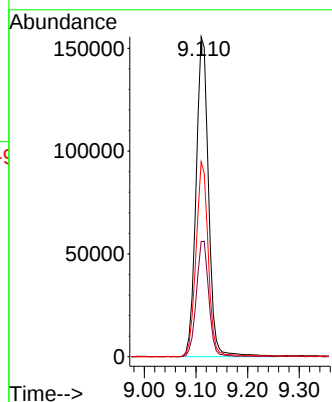
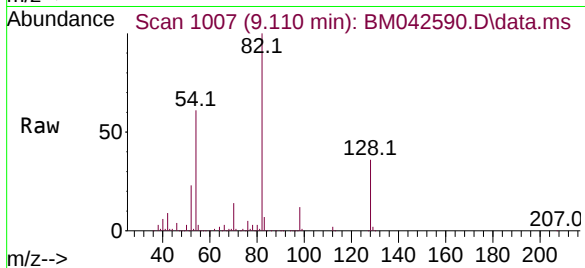
Tgt Ion: 82 Resp: 261914

Ion Ratio Lower Upper

82 100

128 35.9 30.7 46.1

54 60.9 45.3 67.9



#32

Benzoic acid

Concen: 4.157 ng

RT: 9.904 min Scan# 1142

Delta R.T. -0.147 min

Lab File: BM042590.D

Acq: 04 Nov 2023 14:17

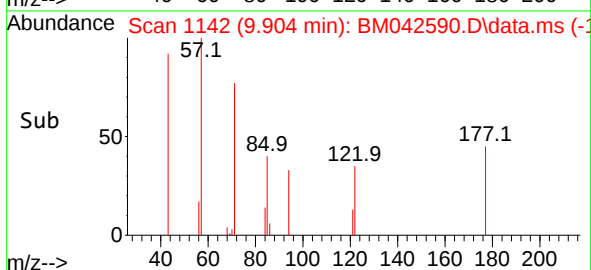
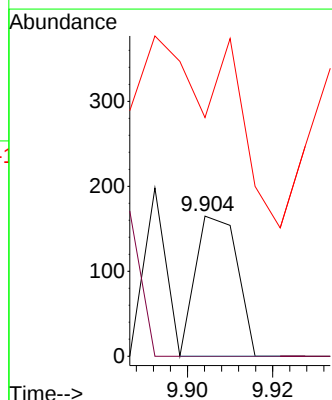
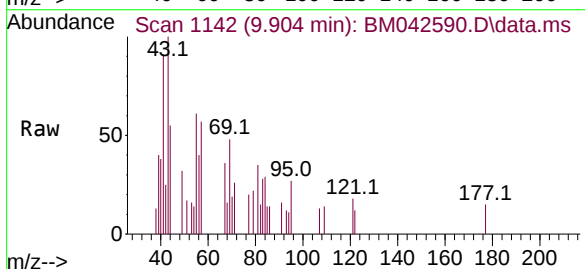
Tgt Ion: 122 Resp: 113

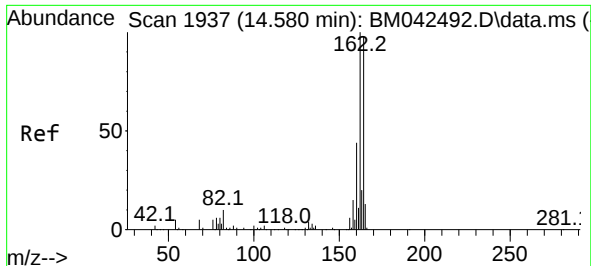
Ion Ratio Lower Upper

122 100

105 0.0 105.2 145.2#

77 170.3 84.8 124.8#

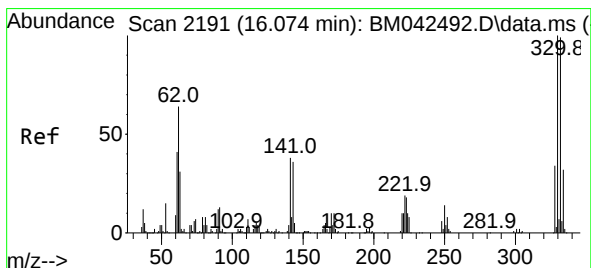
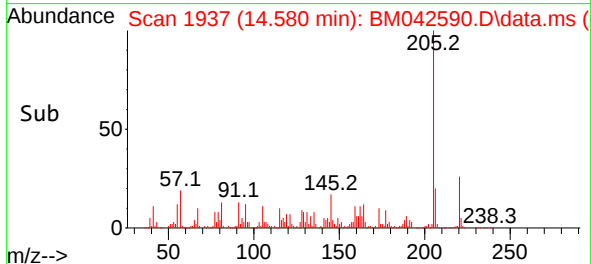
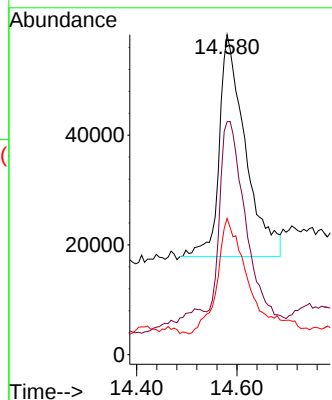
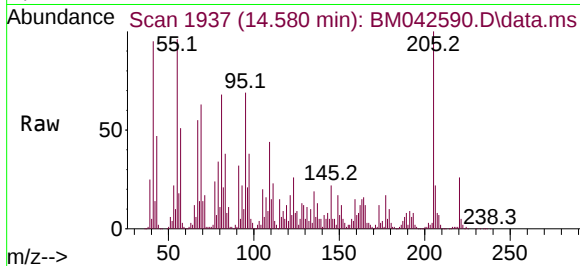




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1937
Delta R.T. 0.017 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

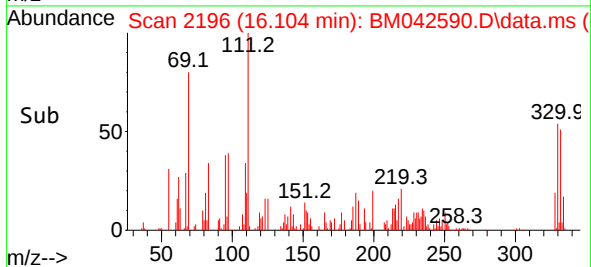
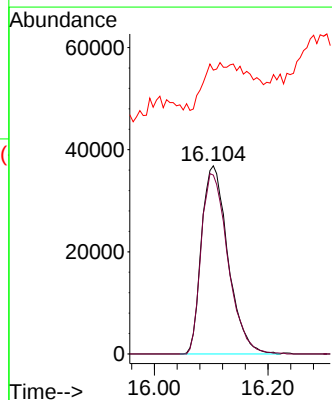
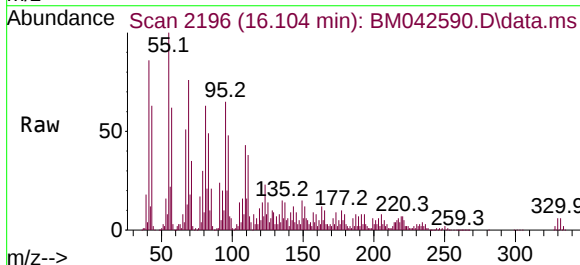
Instrument :
BNA_M
ClientSampleId :
CHRT-26882

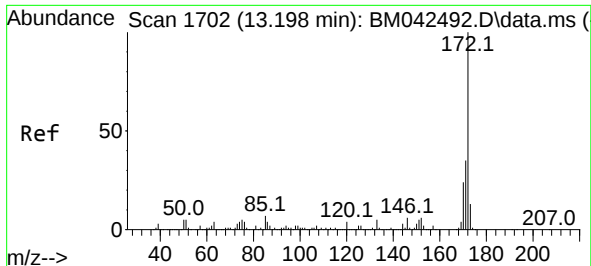
Tgt Ion:164 Resp: 145909
Ion Ratio Lower Upper
164 100
162 72.8 81.6 122.4#
160 42.5 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 62.692 ng
RT: 16.104 min Scan# 2196
Delta R.T. 0.041 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

Tgt Ion:330 Resp: 119426
Ion Ratio Lower Upper
330 100
332 96.8 78.8 118.2
141 21.1 31.1 46.7#

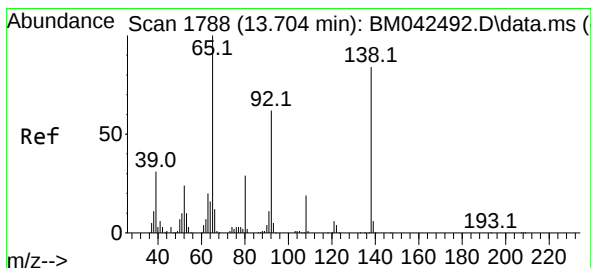
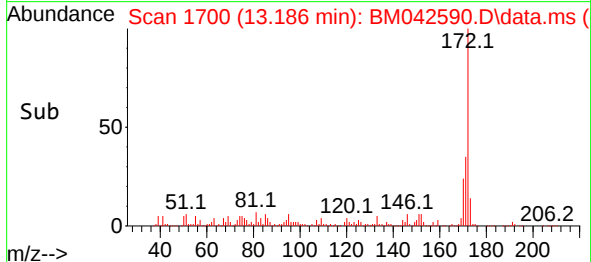
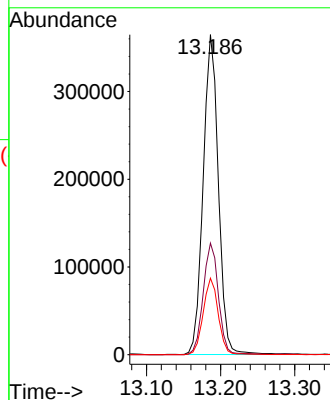
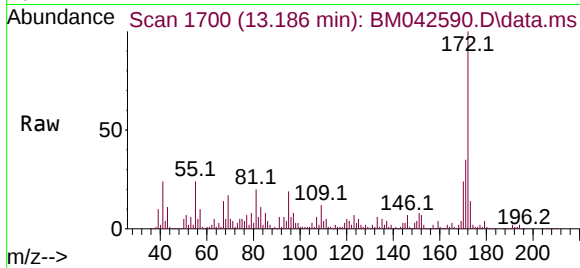




#45
2-Fluorobiphenyl
Concen: 47.975 ng
RT: 13.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

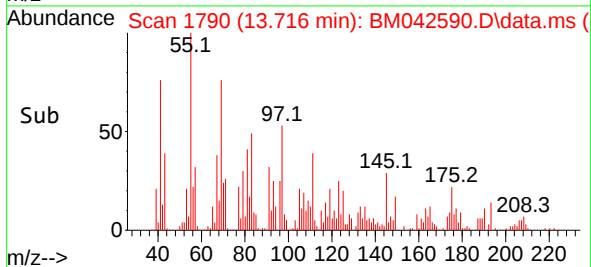
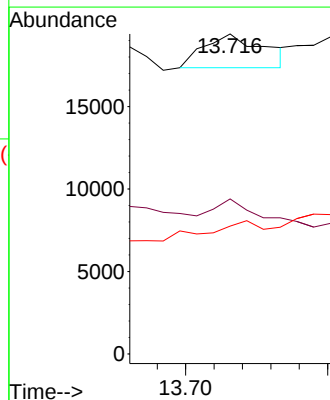
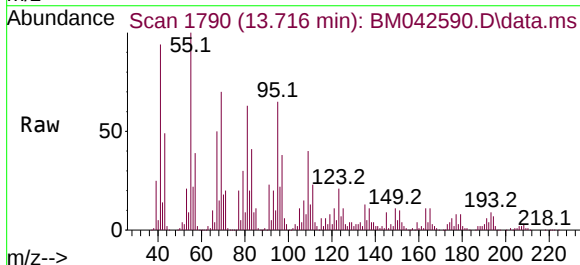
Instrument :
BNA_M
ClientSampleId :
CHRT-26882

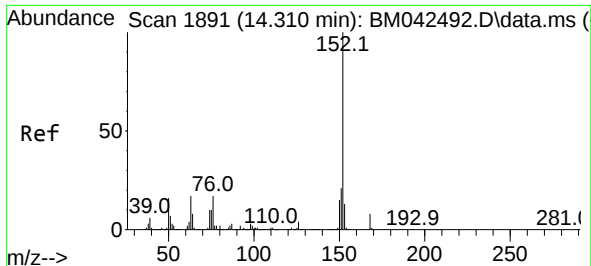
Tgt Ion:172 Resp: 520212
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.9 19.0 28.4



#48
2-Nitroaniline
Concen: 5.176 ng
RT: 13.716 min Scan# 1790
Delta R.T. 0.023 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

Tgt Ion: 65 Resp: 2996
Ion Ratio Lower Upper
65 100
92 48.5 49.4 74.2#
138 39.9 66.9 100.3#

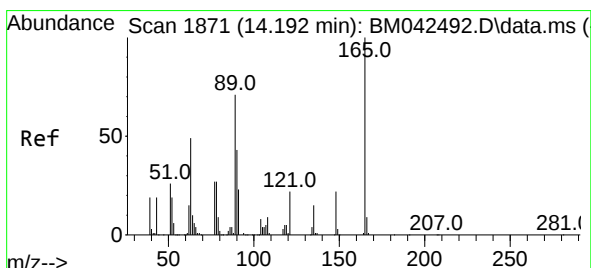
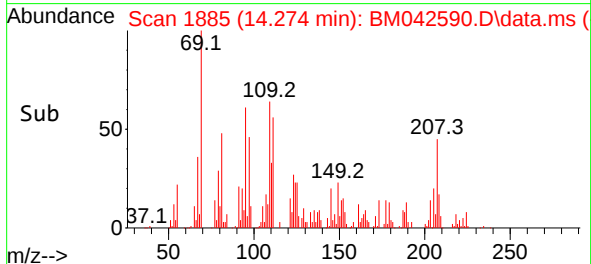
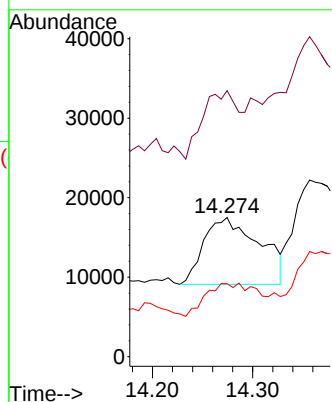
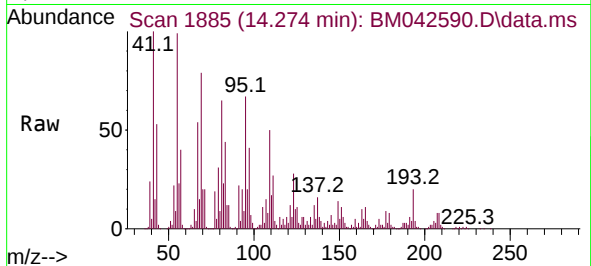




#49
Acenaphthylene
Concen: 2.382 ng
RT: 14.274 min Scan# 1885
Delta R.T. -0.024 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

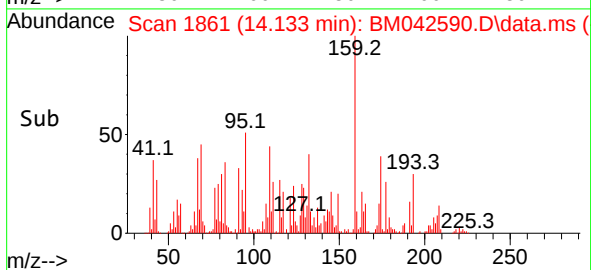
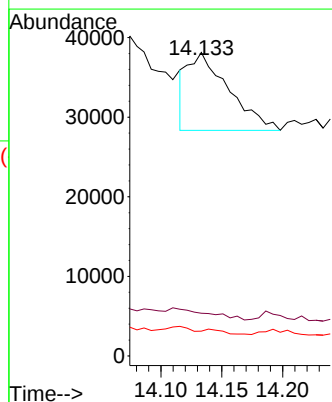
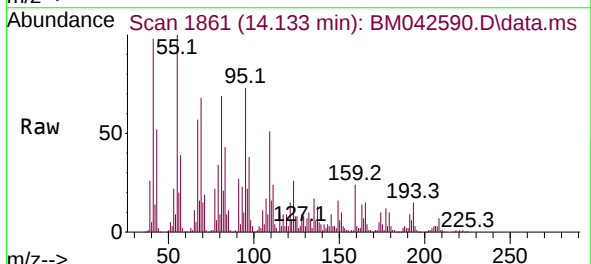
Instrument :
BNA_M
ClientSampleId :
CHRT-26882

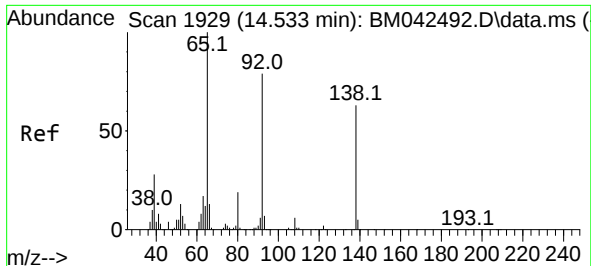
Tgt Ion:152 Resp: 32273
Ion Ratio Lower Upper
152 100
151 191.1 16.4 24.6#
153 52.4 10.4 15.6#



#51
2,6-Dinitrotoluene
Concen: 10.244 ng
RT: 14.133 min Scan# 1861
Delta R.T. -0.047 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

Tgt Ion:165 Resp: 23023
Ion Ratio Lower Upper
165 100
63 14.1 59.4 89.0#
89 8.2 57.0 85.6#

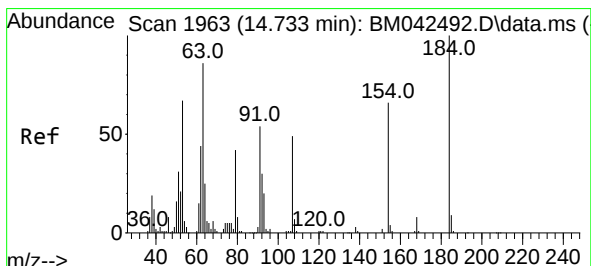
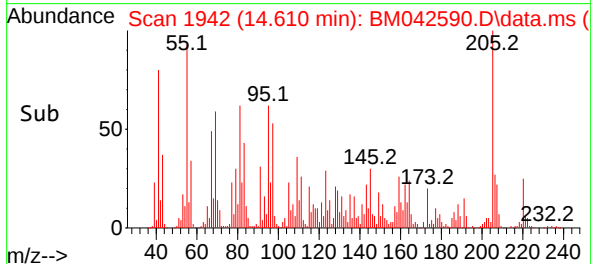
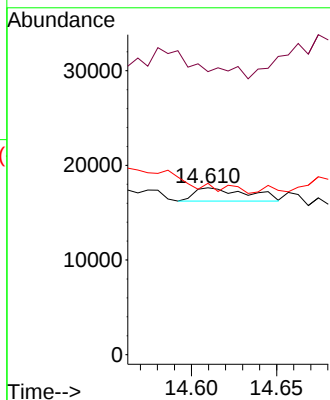
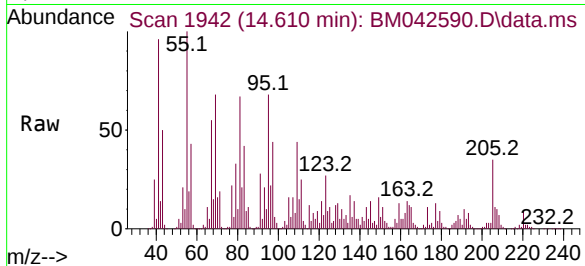




#53
3-Nitroaniline
Concen: 5.439 ng
RT: 14.610 min Scan# 1929
Delta R.T. 0.088 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

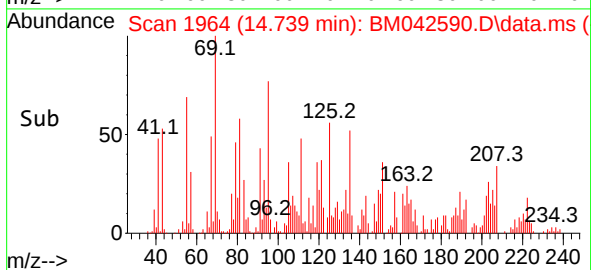
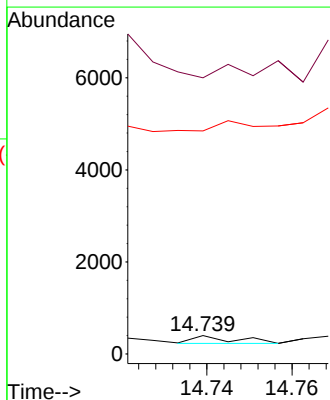
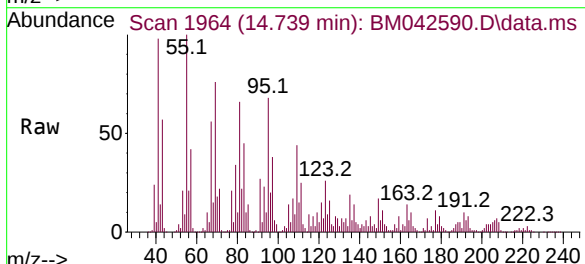
Instrument :
BNA_M
ClientSampleId :
CHRT-26882

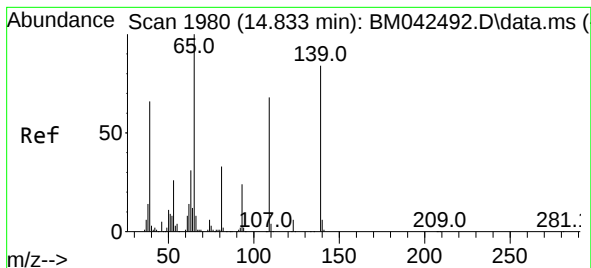
Tgt Ion:138 Resp: 3014
Ion Ratio Lower Upper
138 100
108 169.6 7.9 11.9#
92 102.7 100.7 151.1



#54
2,4-Dinitrophenol
Concen: 7.815 ng
RT: 14.739 min Scan# 1964
Delta R.T. 0.011 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

Tgt Ion:184 Resp: 119
Ion Ratio Lower Upper
184 100
63 1497.0 69.2 103.8#
154 1208.7 53.2 79.8#

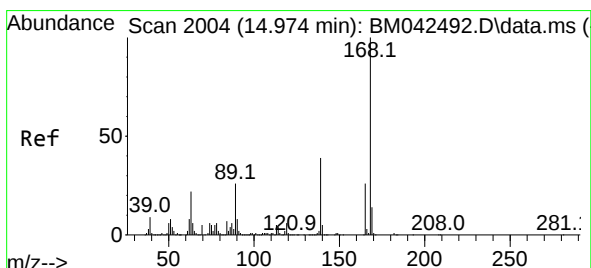
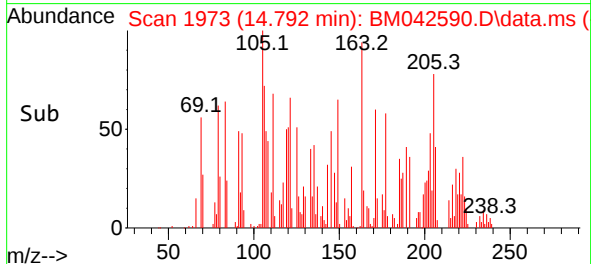
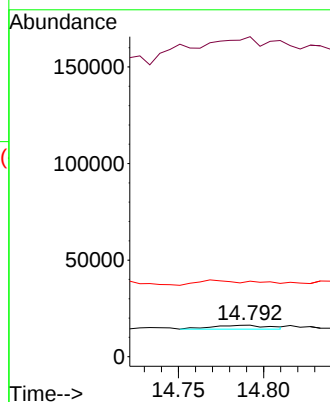
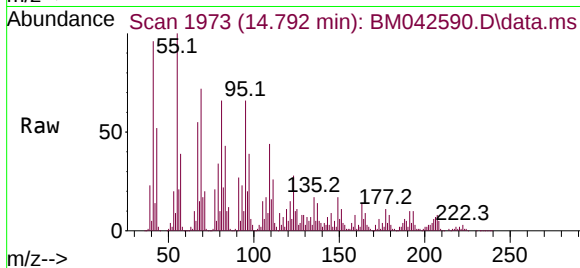




#56
4-Nitrophenol
Concen: 9.049 ng
RT: 14.792 min Scan# 1980
Delta R.T. -0.030 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

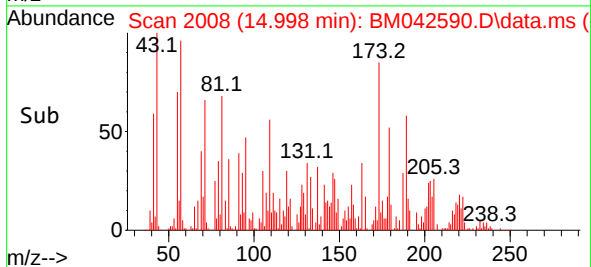
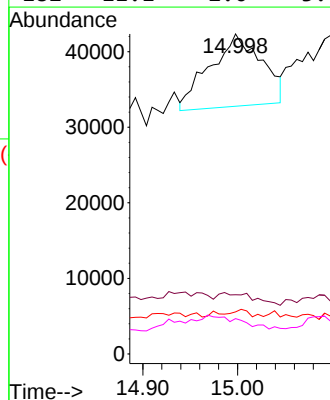
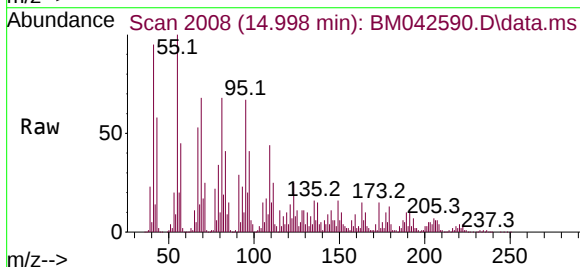
Instrument :
BNA_M
ClientSampleId :
CHRT-26882

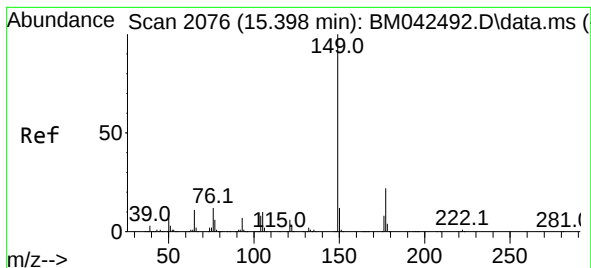
Tgt Ion:139 Resp: 4686
Ion Ratio Lower Upper
139 100
109 1015.7 61.3 101.3#
65 239.5 100.2 140.2#



#57
2,4-Dinitrotoluene
Concen: 13.751 ng
RT: 14.998 min Scan# 2008
Delta R.T. 0.035 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

Tgt Ion:165 Resp: 36313
Ion Ratio Lower Upper
165 100
63 18.5 66.7 100.1#
89 13.2 80.2 120.4#
182 11.1 2.0 3.0#





#60

Diethylphthalate

Concen: 5.231 ng

RT: 15.351 min Scan# 2076

Delta R.T. -0.030 min

Lab File: BM042590.D

Acq: 04 Nov 2023 14:17

Instrument :

BNA_M

ClientSampleId :

CHRT-26882

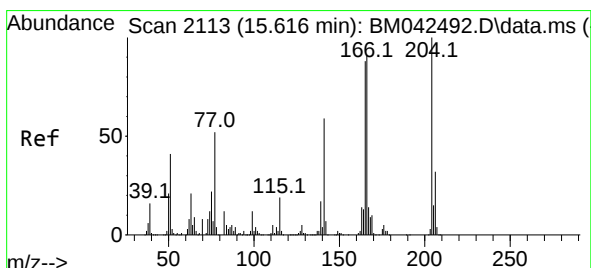
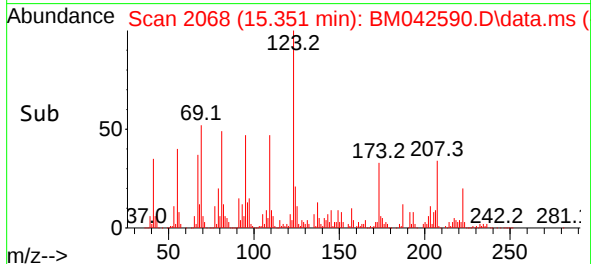
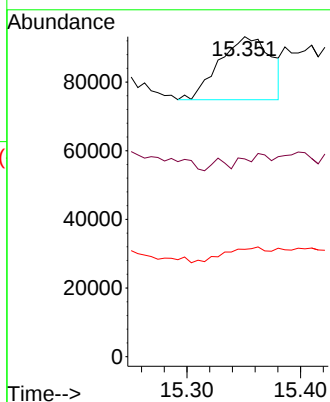
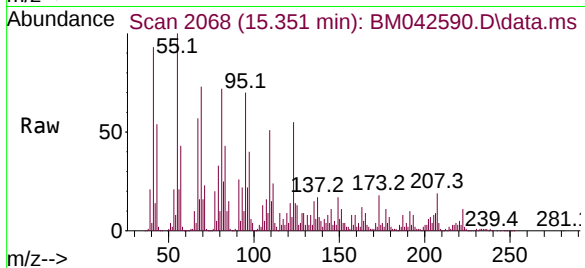
Tgt Ion:149 Resp: 57788

Ion Ratio Lower Upper

149 100

177 61.8 17.8 26.6#

150 33.6 9.8 14.6#



#61

4-Chlorophenyl-phenylether

Concen: 5.971 ng

RT: 15.651 min Scan# 2119

Delta R.T. 0.047 min

Lab File: BM042590.D

Acq: 04 Nov 2023 14:17

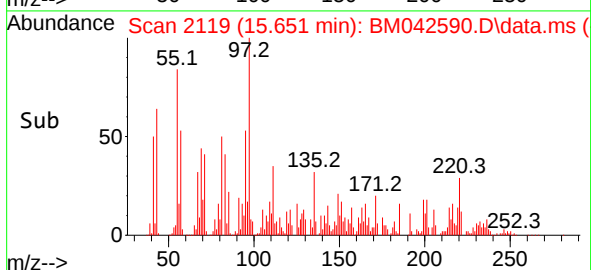
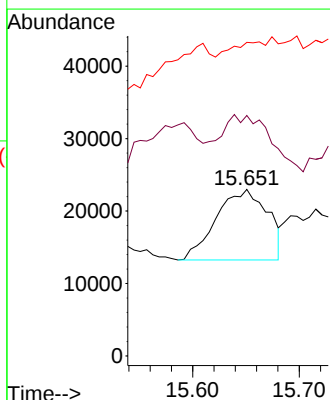
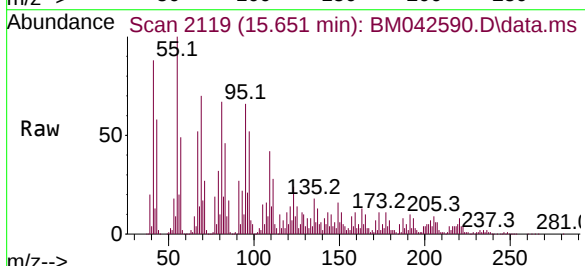
Tgt Ion:204 Resp: 32635

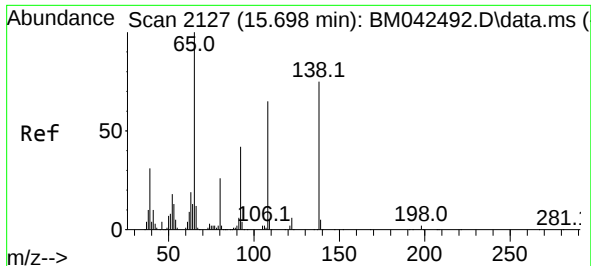
Ion Ratio Lower Upper

204 100

206 144.4 25.9 38.9#

141 188.4 46.8 70.2#

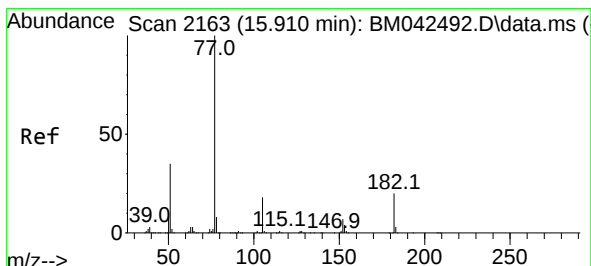
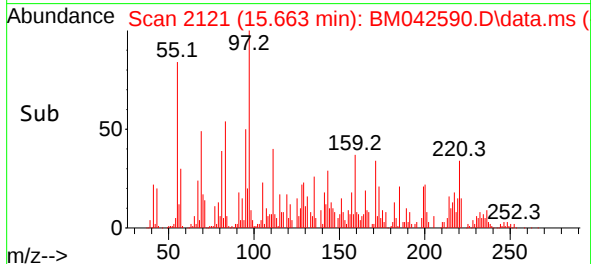
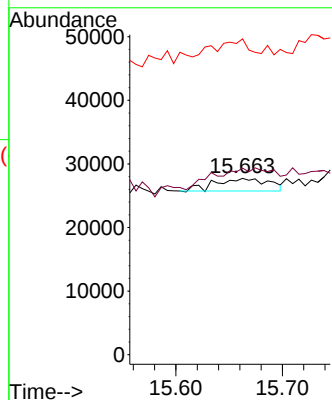
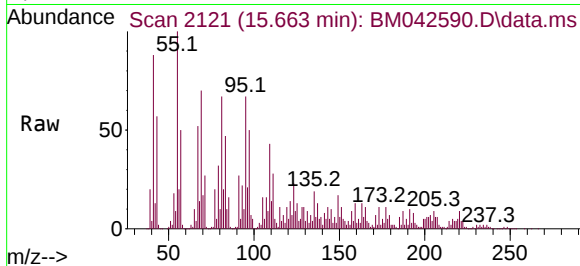




#62
4-Nitroaniline
Concen: 8.437 ng
RT: 15.663 min Scan# 2121
Delta R.T. -0.024 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

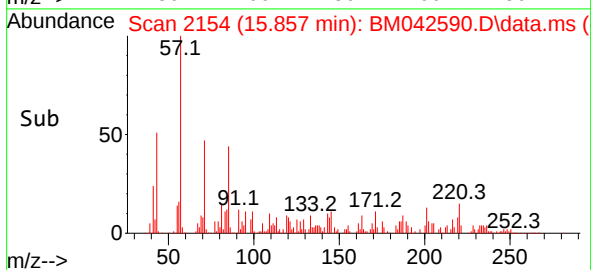
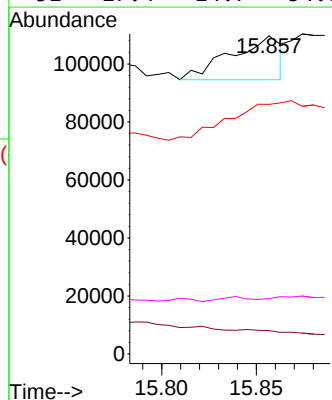
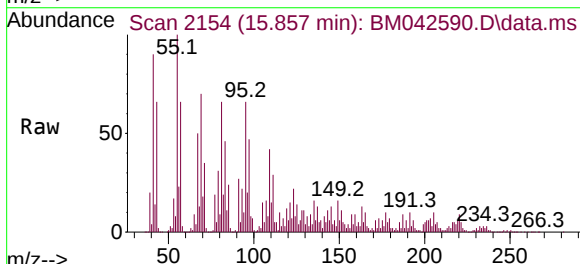
Instrument :
BNA_M
ClientSampleId :
CHRT-26882

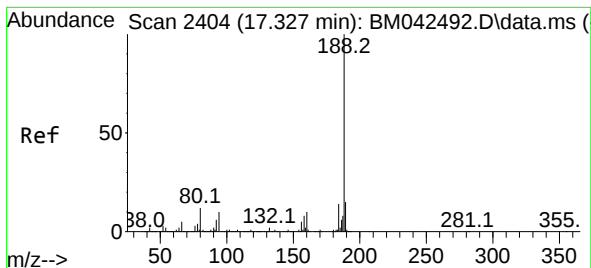
Tgt Ion:138 Resp: 6898
Ion Ratio Lower Upper
138 100
92 105.7 37.0 77.0#
108 179.1 67.2 107.2#



#63
Azobenzene
Concen: 2.274 ng
RT: 15.857 min Scan# 2154
Delta R.T. -0.041 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

Tgt Ion: 77 Resp: 27681
Ion Ratio Lower Upper
77 100
182 7.3 0.0 40.0
105 78.5 0.0 37.9#
51 17.4 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.374 min Scan# 2404

Delta R.T. 0.058 min

Lab File: BM042590.D

Acq: 04 Nov 2023 14:17

Instrument :

BNA_M

ClientSampleId :

CHRT-26882

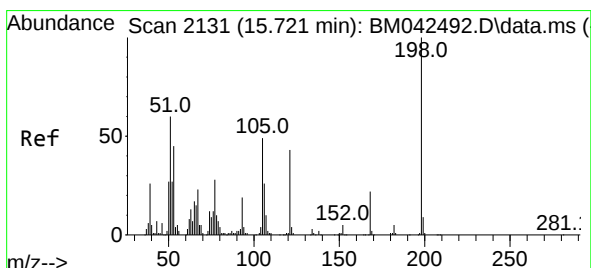
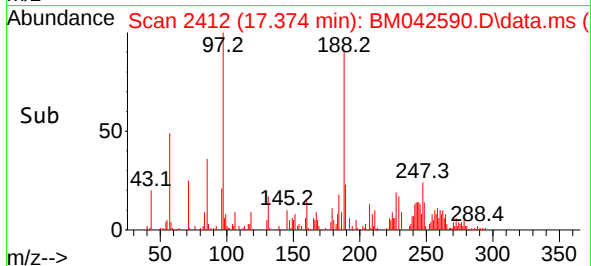
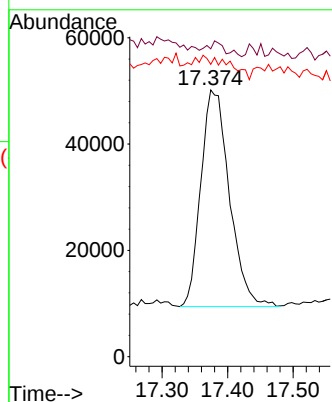
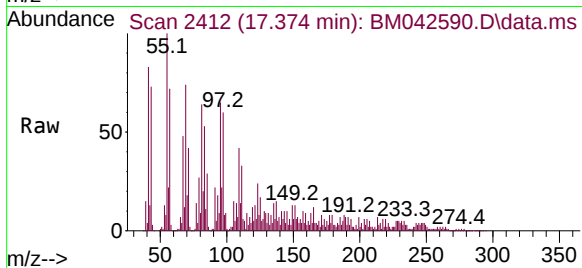
Tgt Ion:188 Resp: 123684

Ion Ratio Lower Upper

188 100

94 115.4 8.2 12.4#

80 109.6 9.4 14.2#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.284 ng

RT: 15.757 min Scan# 2137

Delta R.T. 0.041 min

Lab File: BM042590.D

Acq: 04 Nov 2023 14:17

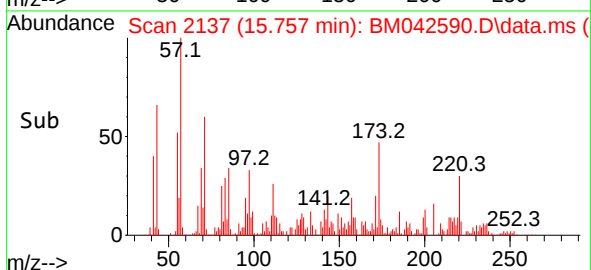
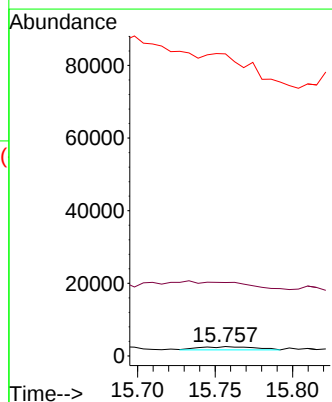
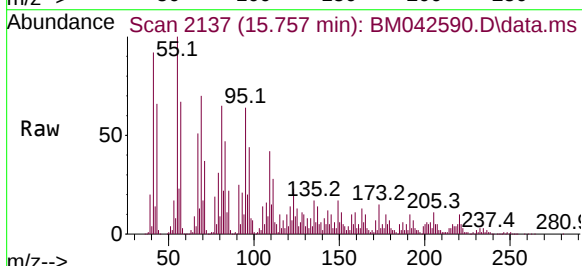
Tgt Ion:198 Resp: 2217

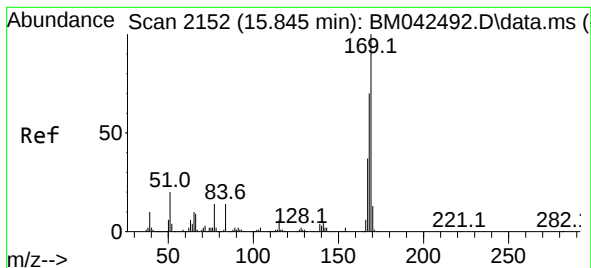
Ion Ratio Lower Upper

198 100

51 780.2 42.4 82.4#

105 3209.9 29.2 69.2#





#66

n-Nitrosodiphenylamine

Concen: 19.844 ng

RT: 15.798 min Scan# 21

Delta R.T. -0.036 min

Lab File: BM042590.D

Acq: 04 Nov 2023 14:17

Instrument :

BNA_M

ClientSampleId :

CHRT-26882

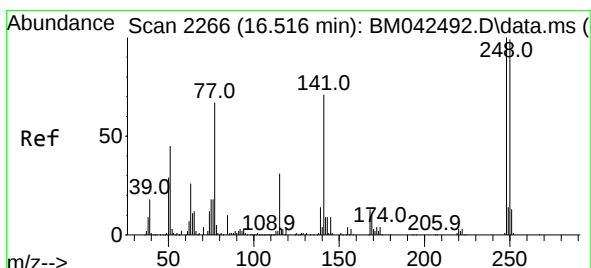
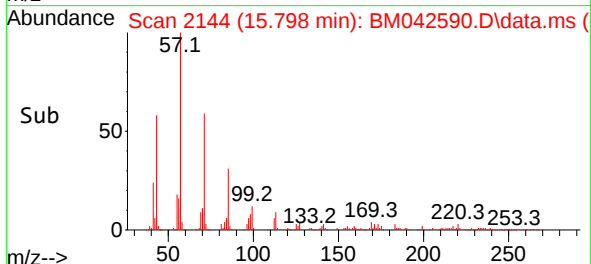
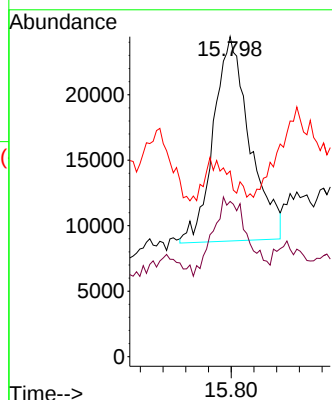
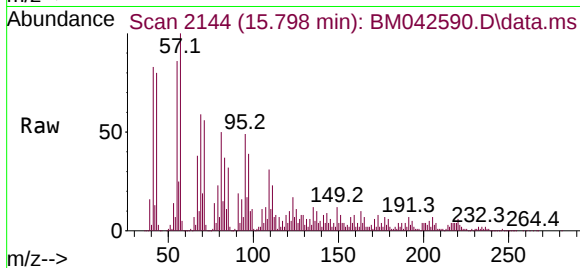
Tgt Ion:169 Resp: 69206

Ion Ratio Lower Upper

169 100

168 48.5 55.9 83.9#

167 58.0 29.8 44.8#



#67

4-Bromophenyl-phenylether

Concen: 10.061 ng

RT: 16.492 min Scan# 2262

Delta R.T. -0.012 min

Lab File: BM042590.D

Acq: 04 Nov 2023 14:17

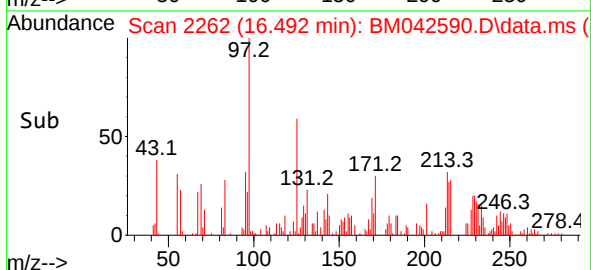
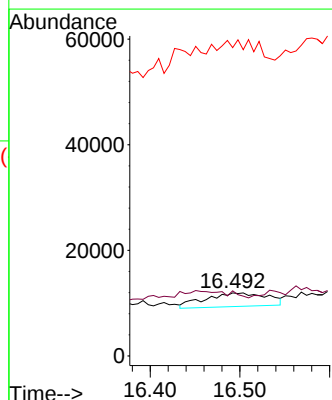
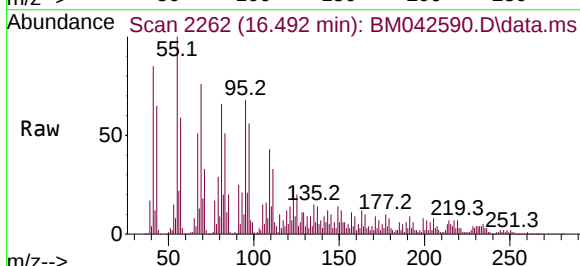
Tgt Ion:248 Resp: 12443

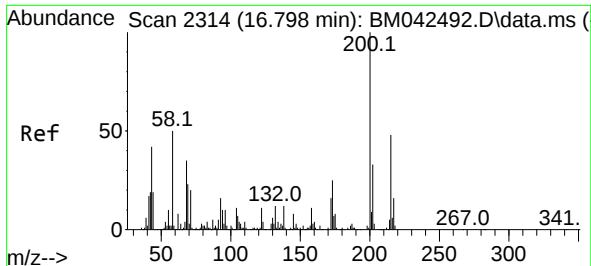
Ion Ratio Lower Upper

248 100

250 103.3 79.4 119.0

141 488.6 57.0 85.6#

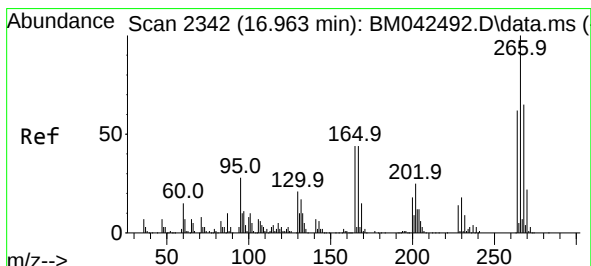
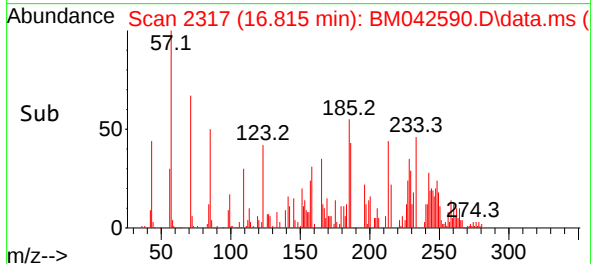
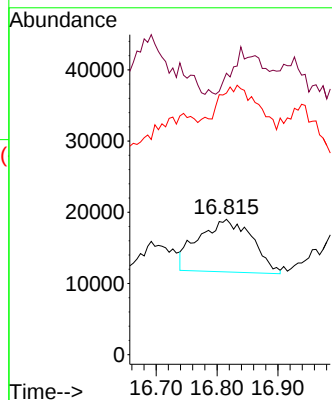
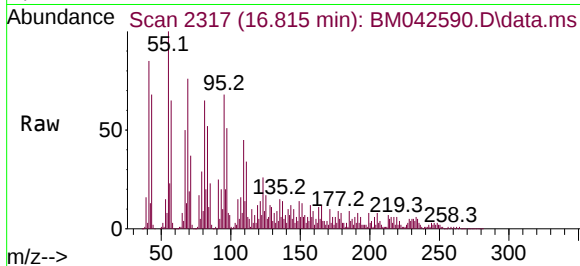




#69
 Atrazine
 Concen: 44.504 ng
 RT: 16.815 min Scan# 21
 Delta R.T. 0.035 min
 Lab File: BM042590.D
 Acq: 04 Nov 2023 14:17

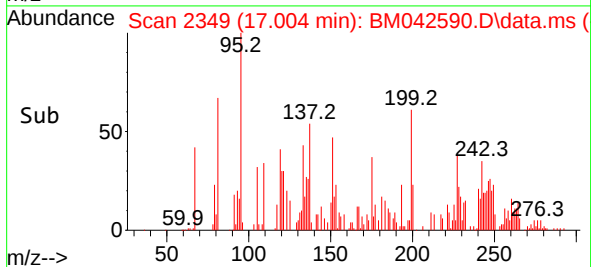
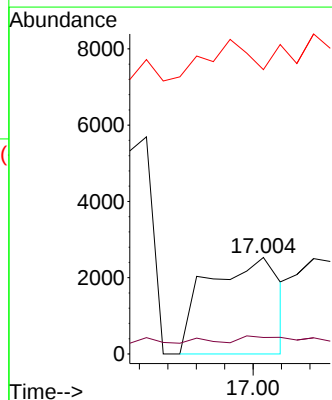
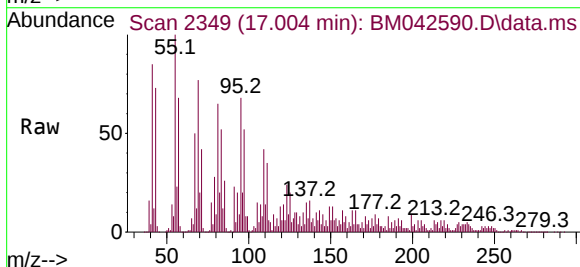
Instrument :
 BNA_M
 ClientSampleId :
 CHRT-26882

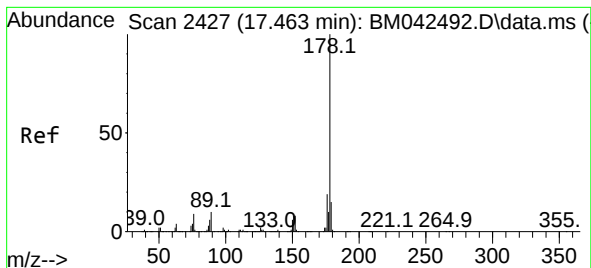
Tgt Ion:200 Resp: 44847
 Ion Ratio Lower Upper
 200 100
 173 208.0 5.4 45.4#
 215 193.3 27.9 67.9#



#70
 Pentachlorophenol
 Concen: 4.400 ng
 RT: 17.004 min Scan# 2349
 Delta R.T. 0.053 min
 Lab File: BM042590.D
 Acq: 04 Nov 2023 14:17

Tgt Ion:266 Resp: 4426
 Ion Ratio Lower Upper
 266 100
 268 6.3 51.7 77.5#
 264 108.7 49.4 74.2#





#72

Anthracene

Concen: 2.103 ng

RT: 17.580 min Scan# 24

Delta R.T. 0.129 min

Lab File: BM042590.D

Acq: 04 Nov 2023 14:17

Instrument :

BNA_M

ClientSampleId :

CHRT-26882

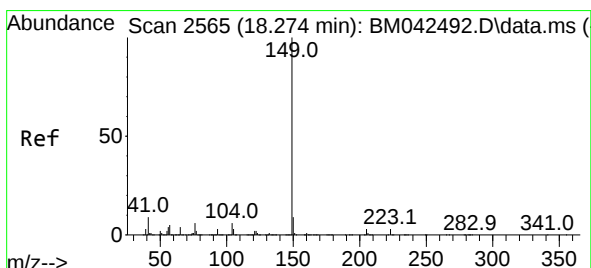
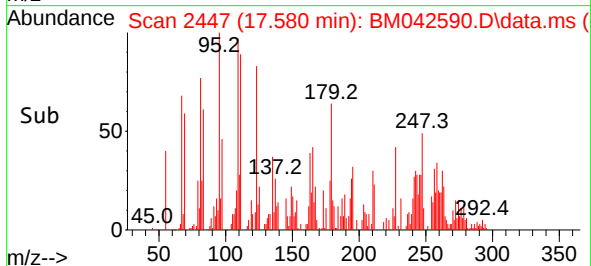
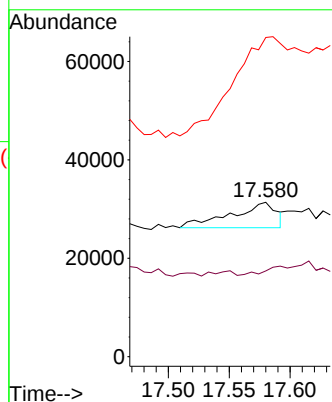
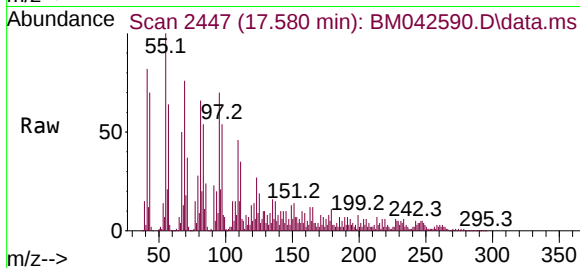
Tgt Ion:178 Resp: 13465

Ion Ratio Lower Upper

178 100

176 55.5 15.2 22.8#

179 206.8 12.3 18.5#



#74

Di-n-butylphthalate

Concen: 11.818 ng

RT: 18.298 min Scan# 2569

Delta R.T. 0.041 min

Lab File: BM042590.D

Acq: 04 Nov 2023 14:17

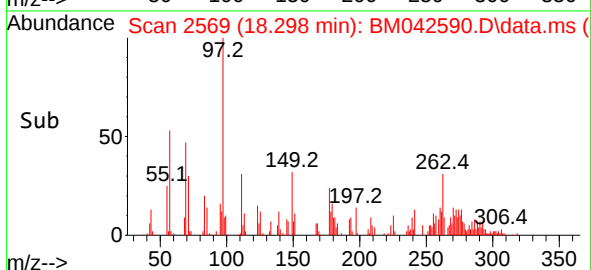
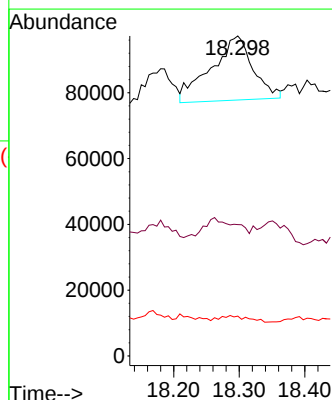
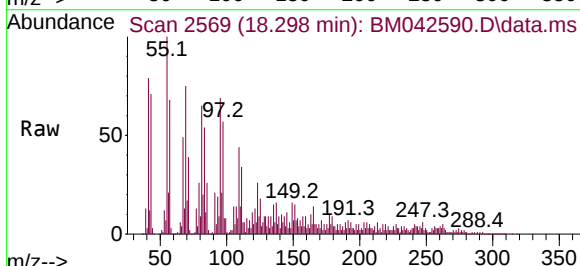
Tgt Ion:149 Resp: 86433

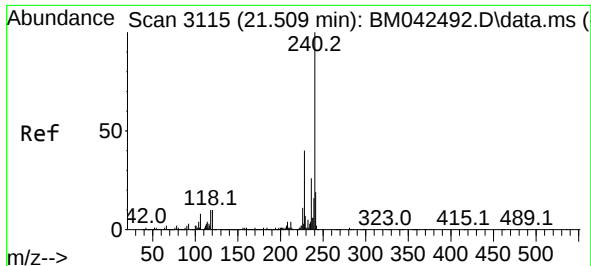
Ion Ratio Lower Upper

149 100

150 41.1 7.0 10.6#

104 12.4 4.6 6.8#

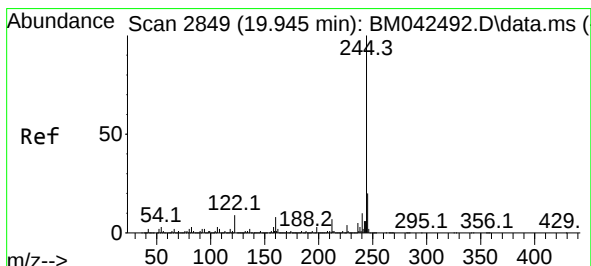
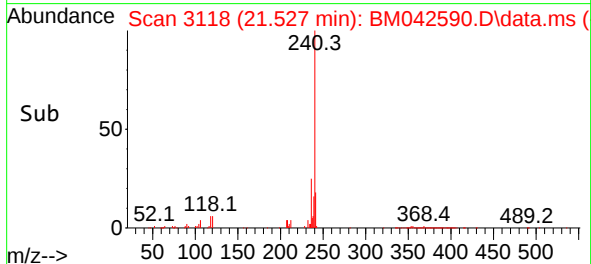
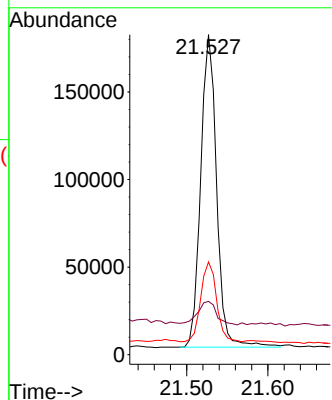
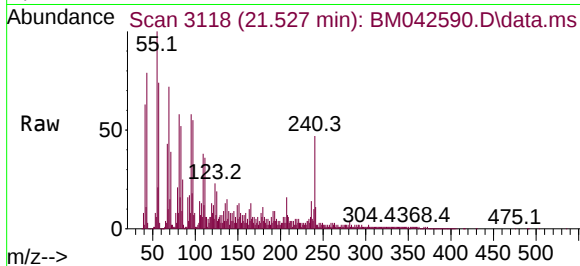




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 3115
Delta R.T. 0.023 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

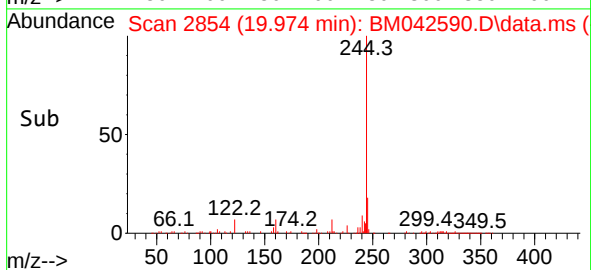
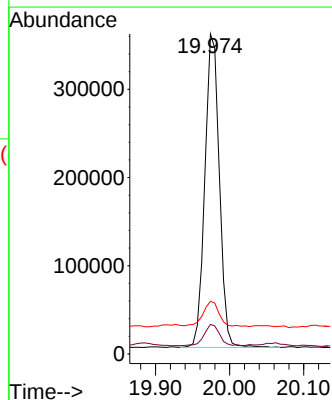
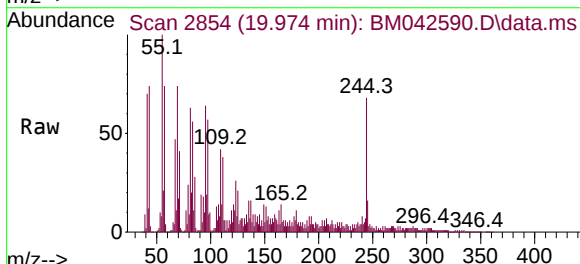
Instrument :
BNA_M
ClientSampleId :
CHRT-26882

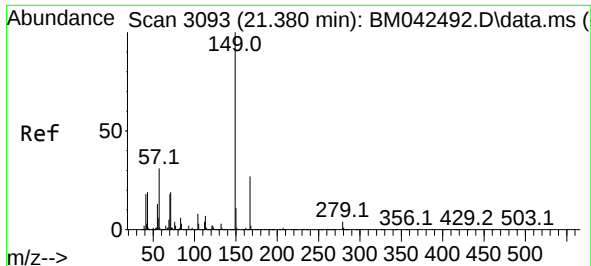
Tgt Ion:240 Resp: 243449
Ion Ratio Lower Upper
240 100
120 16.6 8.3 12.5#
236 29.0 20.8 31.2



#79
Terphenyl-d14
Concen: 33.707 ng
RT: 19.974 min Scan# 2854
Delta R.T. 0.041 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

Tgt Ion:244 Resp: 483948
Ion Ratio Lower Upper
244 100
212 9.2 5.4 8.2#
122 16.5 7.2 10.8#

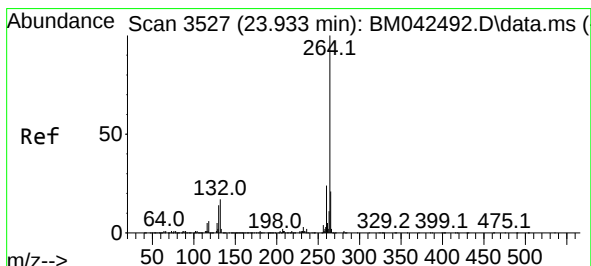
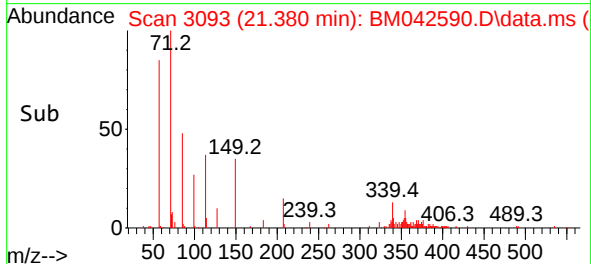
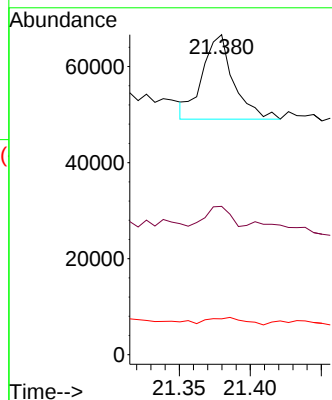
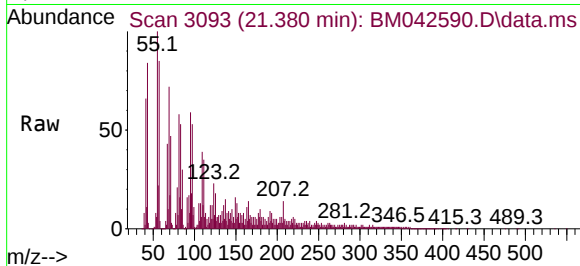




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.483 ng
RT: 21.380 min Scan# 3093
Delta R.T. 0.017 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

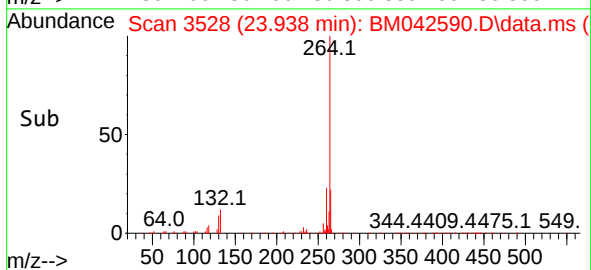
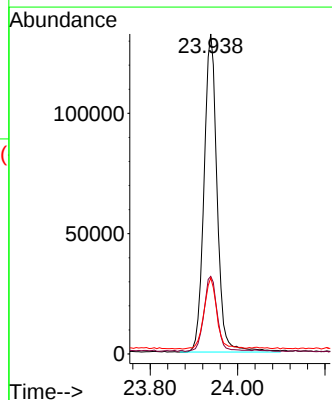
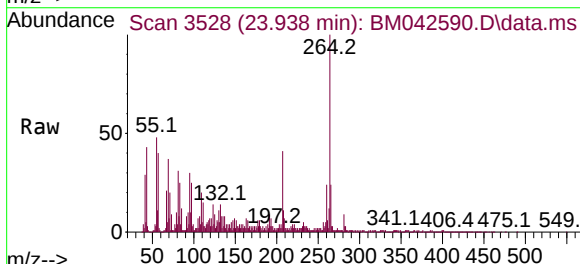
Instrument :
BNA_M
ClientSampleId :
CHRT-26882

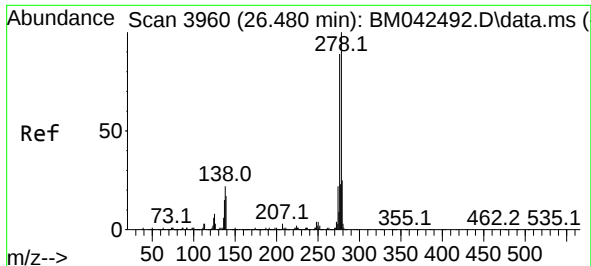
Tgt Ion:149 Resp: 26796
Ion Ratio Lower Upper
149 100
167 46.4 21.4 32.0#
279 11.2 3.4 5.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.938 min Scan# 3528
Delta R.T. 0.023 min
Lab File: BM042590.D
Acq: 04 Nov 2023 14:17

Tgt Ion:264 Resp: 275969
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.4
265 23.8 18.7 28.1





#91
 Dibenzo(a,h)anthracene
 Concen: 4.177 ng
 RT: 26.474 min Scan# 3959
 Delta R.T. 0.006 min
 Lab File: BM042590.D
 Acq: 04 Nov 2023 14:17

Instrument :
 BNA_M
 ClientSampleId :
 CHRT-26882

Tgt Ion:278 Resp: 645
 Ion Ratio Lower Upper
 278 100
 139 183.0 13.4 20.2#
 279 79.2 19.7 29.5#

