

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110123\
 Data File : BM042547.D
 Acq On : 01 Nov 2023 19:37
 Operator : MA/JU
 Sample : 05135-02 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CHRT-20413

Quant Time: Nov 01 23:44:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 02:55:18 2023
 Response via : Initial Calibration

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

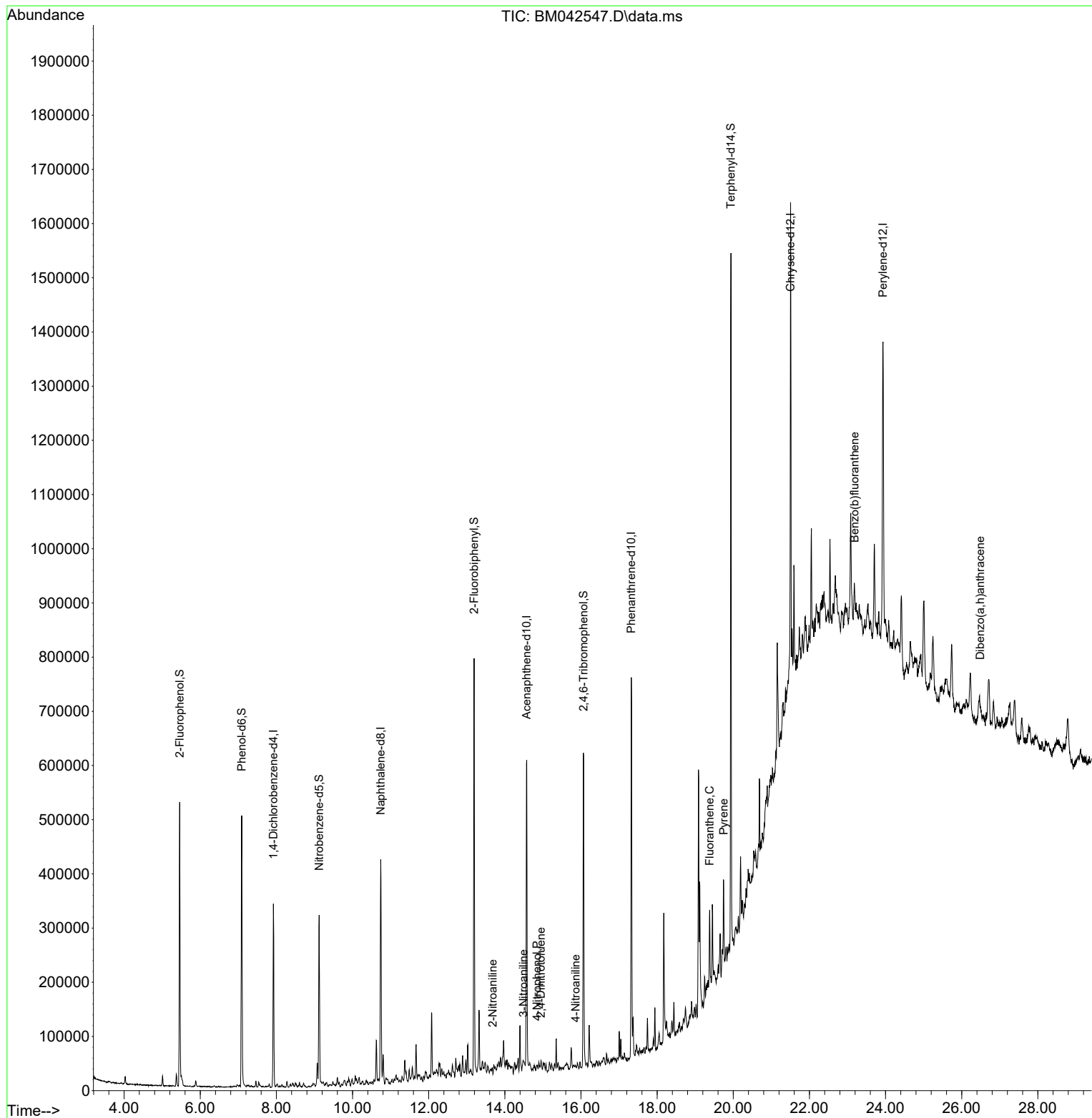
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	77731	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	297514	20.000	ng	-0.01
39) Acenaphthene-d10	14.569	164	182492	20.000	ng	-0.01
64) Phenanthrene-d10	17.321	188	398552	20.000	ng	0.00
76) Chrysene-d12	21.503	240	391720	20.000	ng	0.00
86) Perylene-d12	23.933	264	420166	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	190744	39.603	ng	0.00
7) Phenol-d6	7.087	99	246814	37.365	ng	-0.01
23) Nitrobenzene-d5	9.122	82	172355	27.006	ng	-0.01
42) 2,4,6-Tribromophenol	16.068	330	96662	40.570	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	343157	25.303	ng	0.00
79) Terphenyl-d14	19.939	244	570512	24.695	ng	0.00
Target Compounds						
						Qvalue
48) 2-Nitroaniline	13.680	65	62	4.364	ng	# 38
53) 3-Nitroaniline	14.486	138	126	4.388	ng	# 47
56) 4-Nitrophenol	14.845	139	247	7.042	ng	# 1
57) 2,4-Dinitrotoluene	14.945	165	150	4.004	ng	# 5
62) 4-Nitroaniline	15.863	138	56	5.757	ng	# 28
75) Fluoranthene	19.380	202	86571	3.538	ng	98
78) Pyrene	19.745	202	91014	3.384	ng	96
88) Benzo(b)fluoranthene	23.186	252	60362	2.579	ng	# 84
91) Dibenzo(a,h)anthracene	26.485	278	13184	4.660	ng	# 39

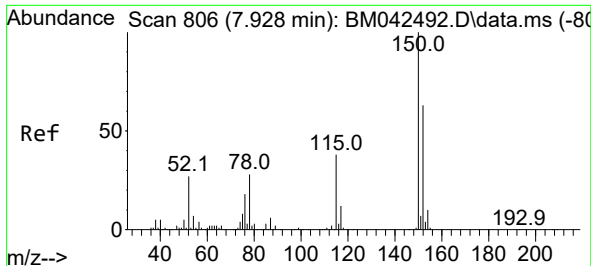
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110123\
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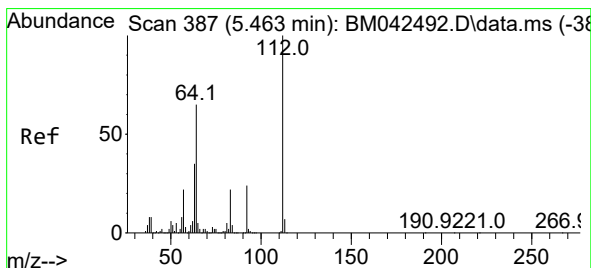
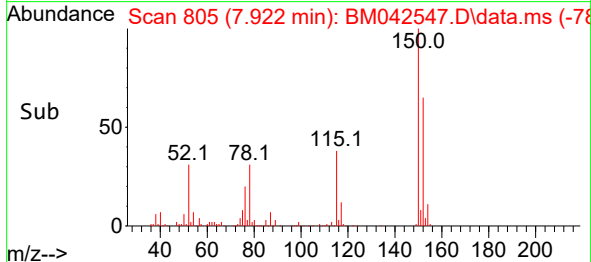
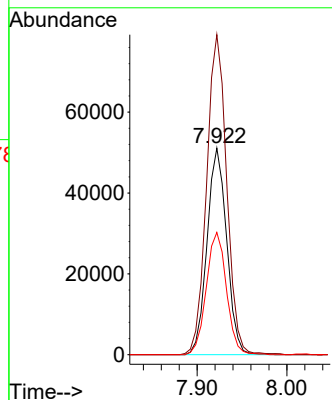
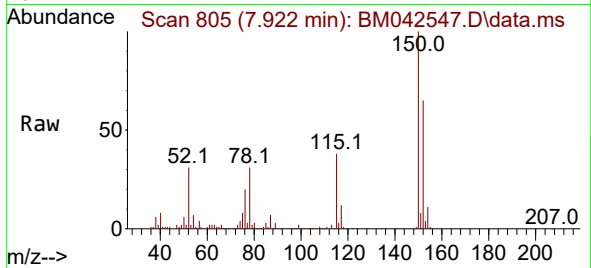




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042547.D
Acq: 01 Nov 2023 19:37

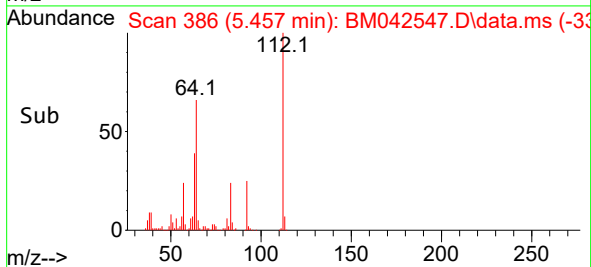
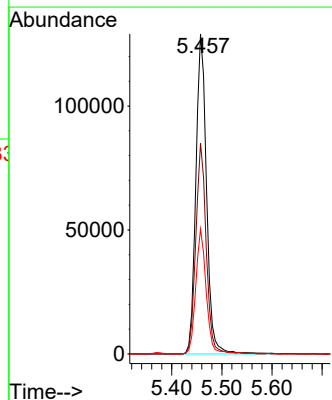
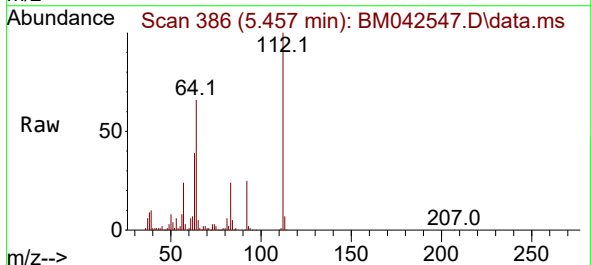
Instrument :
BNA_M
ClientSampleId :
CHRT-20413

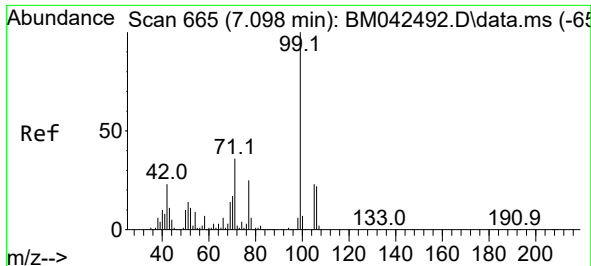
Tgt Ion:152 Resp: 77731
Ion Ratio Lower Upper
152 100
150 154.9 127.4 191.0
115 59.1 47.9 71.9



#5
2-Fluorophenol
Concen: 39.603 ng
RT: 5.457 min Scan# 386
Delta R.T. -0.006 min
Lab File: BM042547.D
Acq: 01 Nov 2023 19:37

Tgt Ion:112 Resp: 190744
Ion Ratio Lower Upper
112 100
64 65.9 52.1 78.1
63 39.1 28.3 42.5

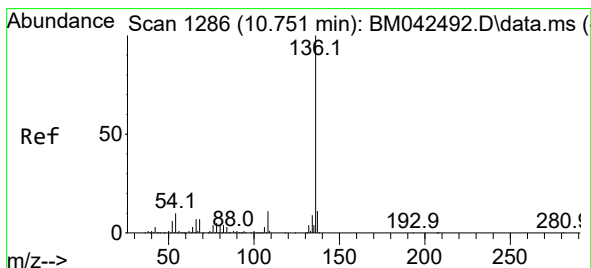
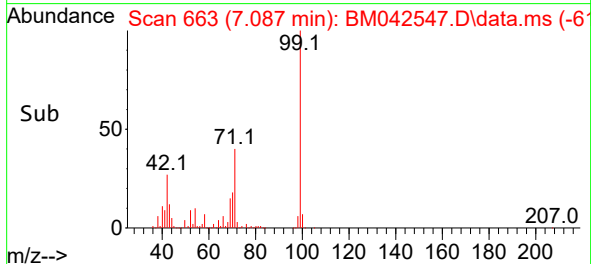
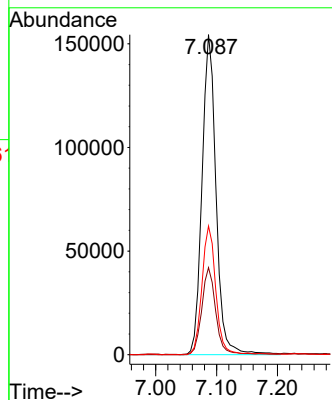
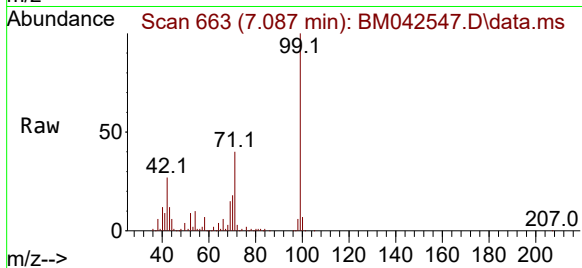




#7
Phenol-d6
Concen: 37.365 ng
RT: 7.087 min Scan# 60
Delta R.T. -0.012 min
Lab File: BM042547.D
Acq: 01 Nov 2023 19:37

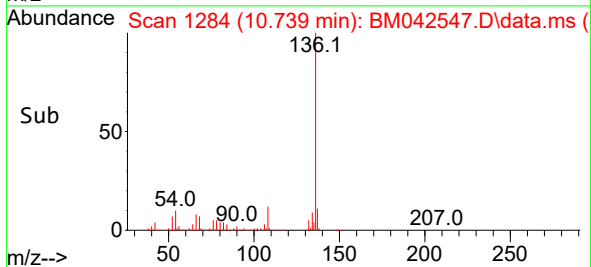
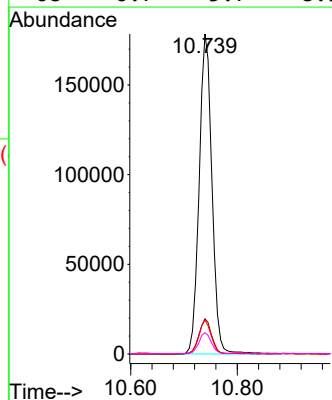
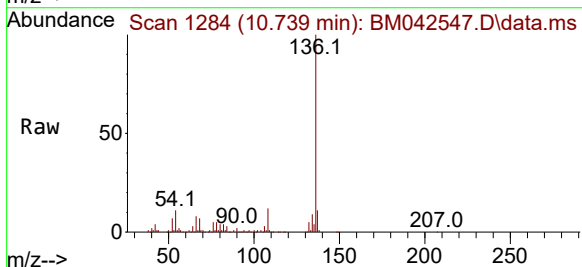
Instrument :
BNA_M
ClientSampleId :
CHRT-20413

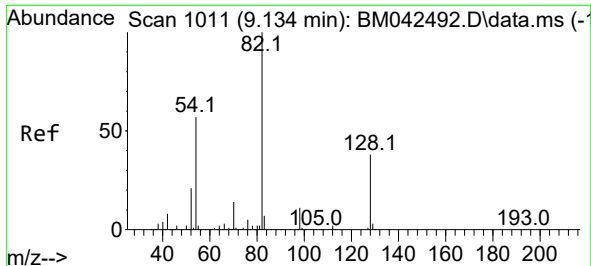
Tgt Ion: 99 Resp: 246814
Ion Ratio Lower Upper
99 100
42 27.2 18.7 28.1
71 40.2 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM042547.D
Acq: 01 Nov 2023 19:37

Tgt Ion:136 Resp: 297514
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 10.6 8.0 12.0
68 6.7 5.7 8.5





#23

Nitrobenzene-d5

Concen: 27.006 ng

RT: 9.122 min Scan# 1009

Delta R.T. -0.012 min

Lab File: BM042547.D

Acq: 01 Nov 2023 19:37

Instrument :

BNA_M

ClientSampleId :

CHRT-20413

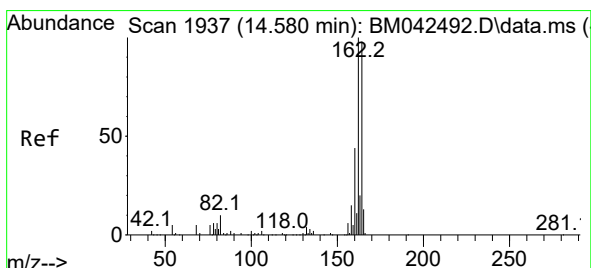
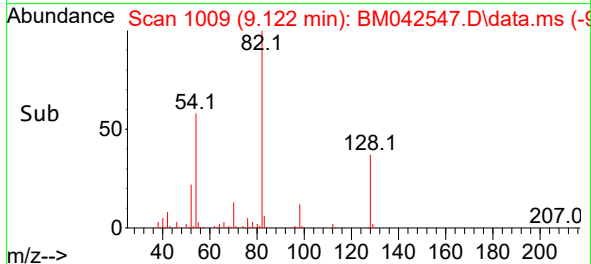
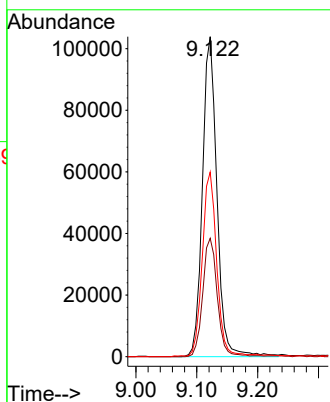
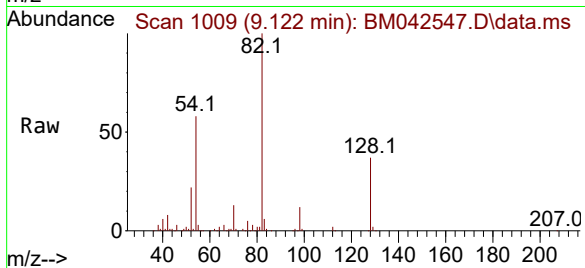
Tgt Ion: 82 Resp: 172355

Ion Ratio Lower Upper

82 100

128 37.0 30.7 46.1

54 57.7 45.3 67.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.569 min Scan# 1935

Delta R.T. -0.011 min

Lab File: BM042547.D

Acq: 01 Nov 2023 19:37

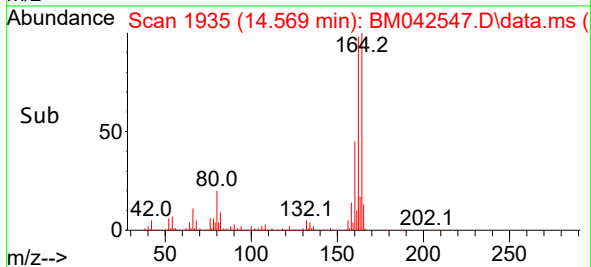
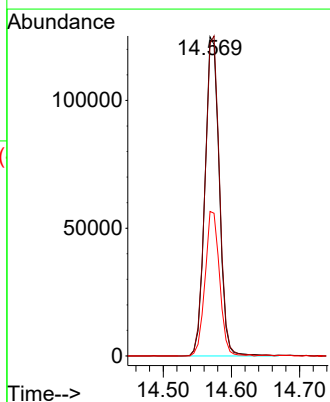
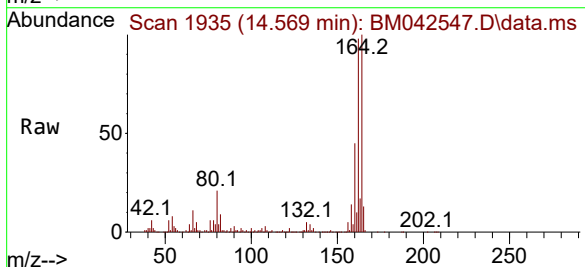
Tgt Ion: 164 Resp: 182492

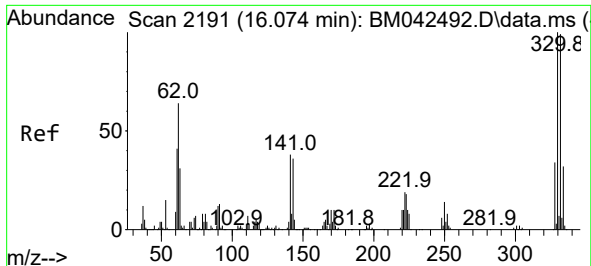
Ion Ratio Lower Upper

164 100

162 97.9 81.6 122.4

160 45.3 36.2 54.4

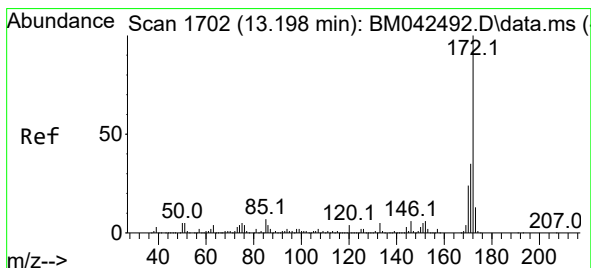
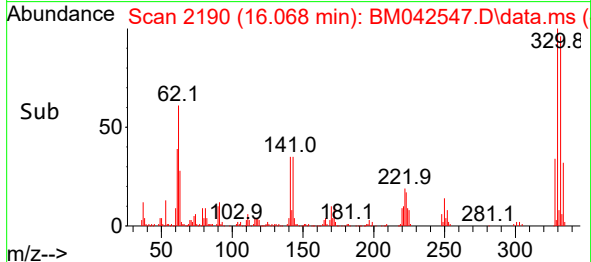
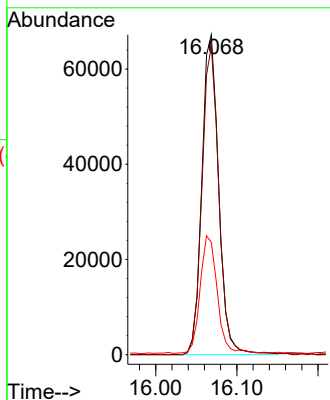
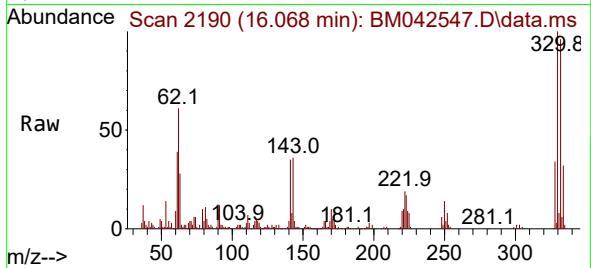




#42
2,4,6-Tribromophenol
Concen: 40.570 ng
RT: 16.068 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BM042547.D
Acq: 01 Nov 2023 19:37

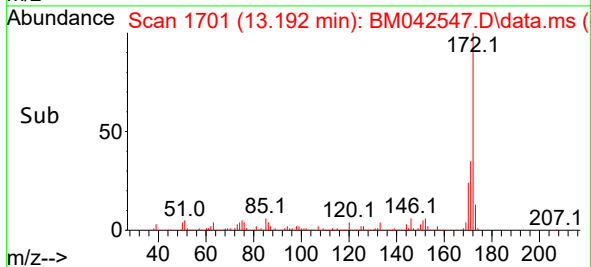
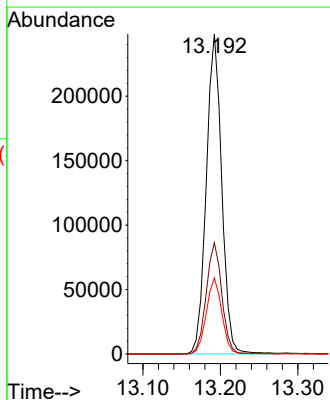
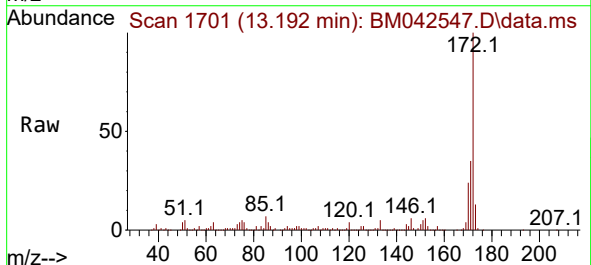
Instrument :
BNA_M
ClientSampleId :
CHRT-20413

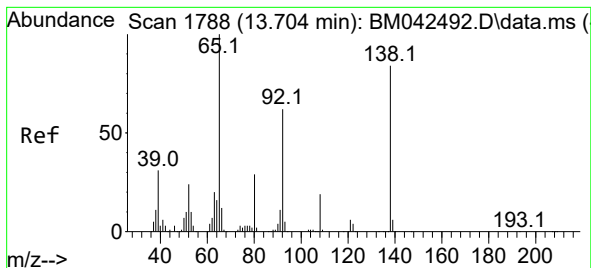
Tgt Ion:330 Resp: 96662
Ion Ratio Lower Upper
330 100
332 97.0 78.8 118.2
141 37.3 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 25.303 ng
RT: 13.192 min Scan# 1701
Delta R.T. -0.006 min
Lab File: BM042547.D
Acq: 01 Nov 2023 19:37

Tgt Ion:172 Resp: 343157
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.7 19.0 28.4





#48

2-Nitroaniline

Concen: 4.364 ng

RT: 13.680 min Scan# 1

Delta R.T. -0.024 min

Lab File: BM042547.D

Acq: 01 Nov 2023 19:37

Instrument :

BNA_M

ClientSampleId :

CHRT-20413

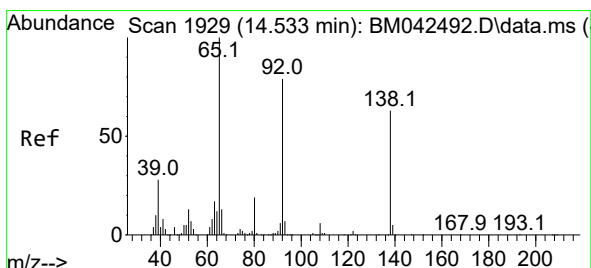
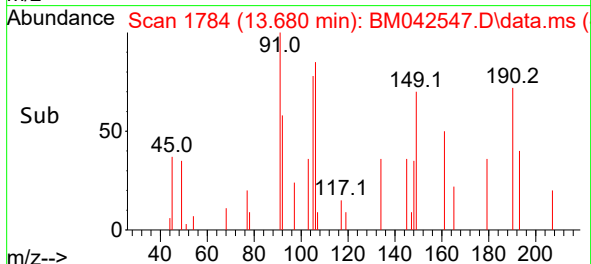
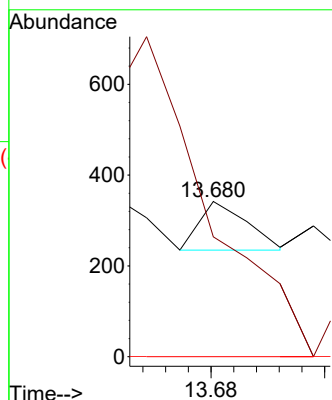
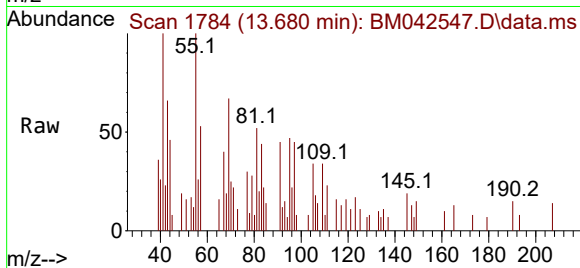
Tgt Ion: 65 Resp: 62

Ion Ratio Lower Upper

65 100

92 77.2 49.4 74.2#

138 0.0 66.9 100.3#



#53

3-Nitroaniline

Concen: 4.388 ng

RT: 14.486 min Scan# 1921

Delta R.T. -0.047 min

Lab File: BM042547.D

Acq: 01 Nov 2023 19:37

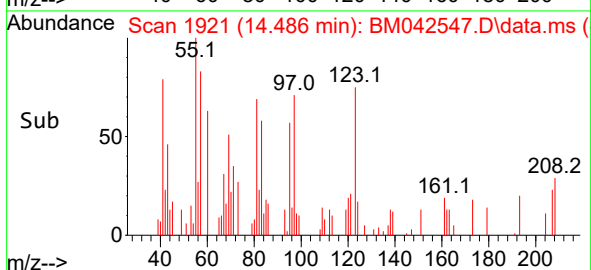
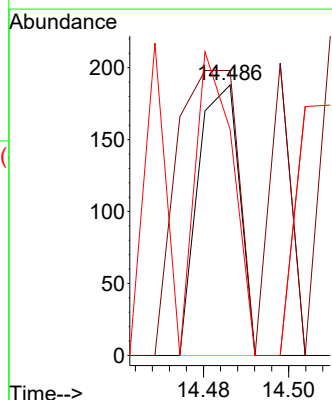
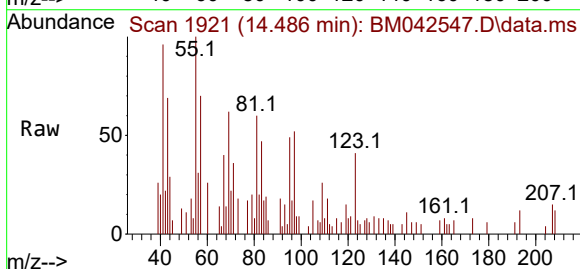
Tgt Ion: 138 Resp: 126

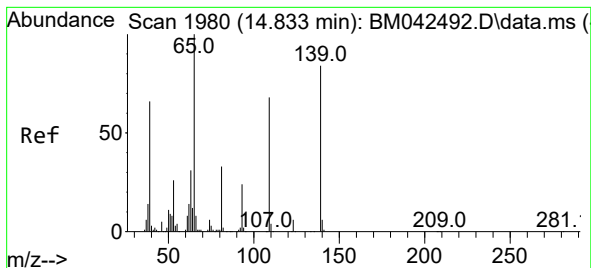
Ion Ratio Lower Upper

138 100

108 105.3 7.9 11.9#

92 83.5 100.7 151.1#

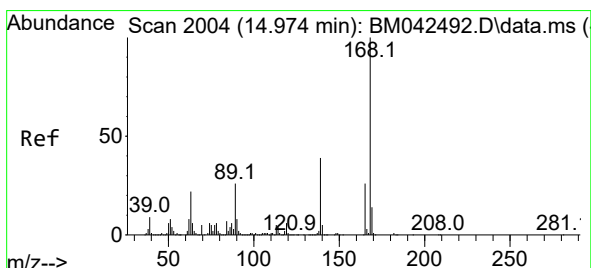
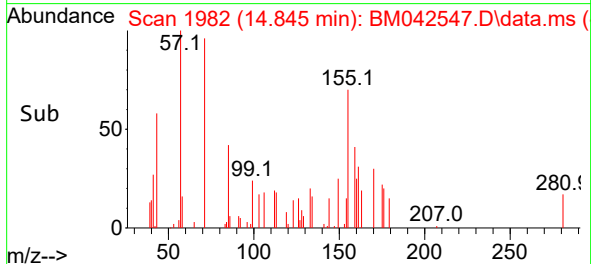
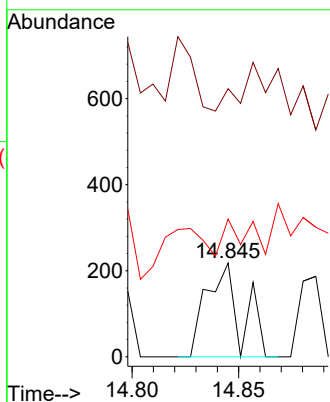
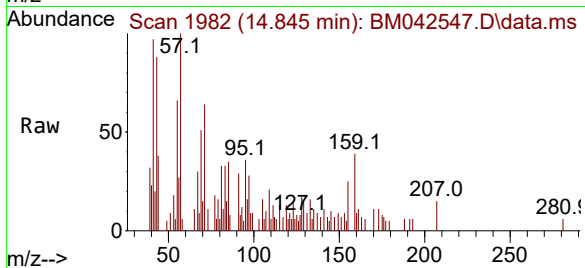




#56
4-Nitrophenol
Concen: 7.042 ng
RT: 14.845 min Scan# 1980
Delta R.T. 0.012 min
Lab File: BM042547.D
Acq: 01 Nov 2023 19:37

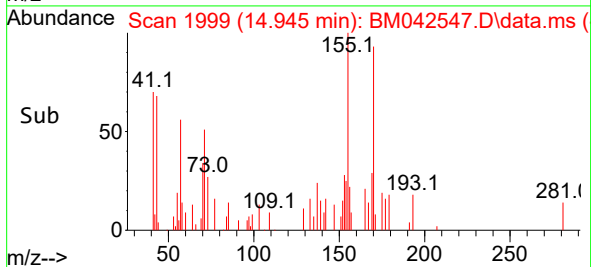
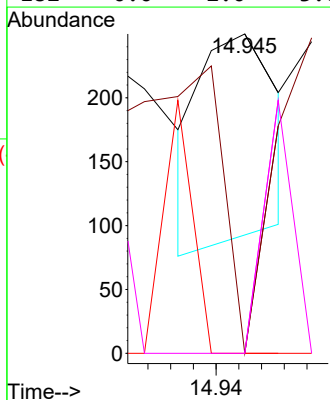
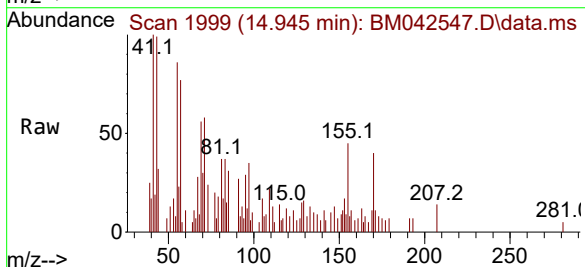
Instrument :
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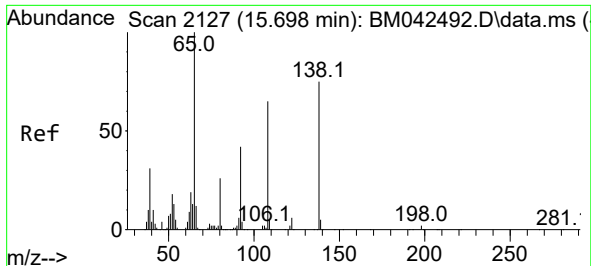
Tgt Ion:139 Resp: 247
Ion Ratio Lower Upper
139 100
109 285.8 61.3 101.3#
65 146.8 100.2 140.2#



#57
2,4-Dinitrotoluene
Concen: 4.004 ng
RT: 14.945 min Scan# 1999
Delta R.T. -0.029 min
Lab File: BM042547.D
Acq: 01 Nov 2023 19:37

Tgt Ion:165 Resp: 150
Ion Ratio Lower Upper
165 100
63 0.0 66.7 100.1#
89 0.0 80.2 120.4#
182 0.0 2.0 3.0#

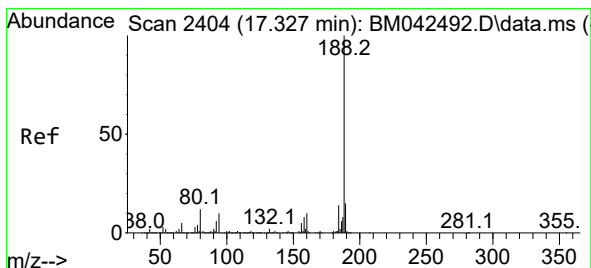
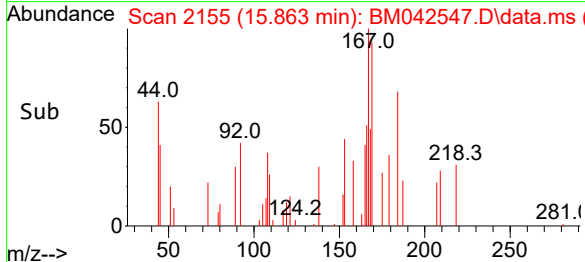
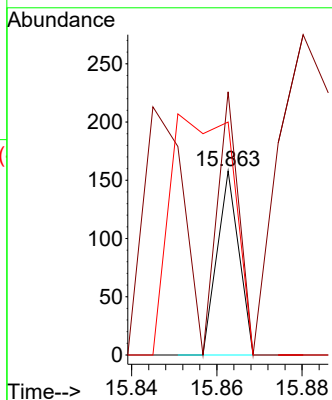
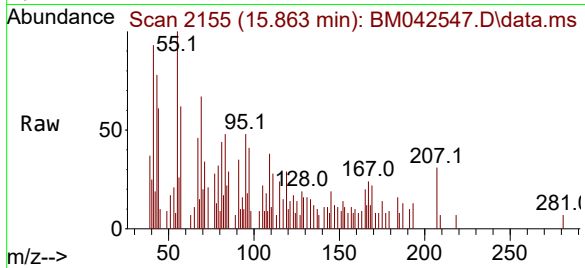




#62
4-Nitroaniline
Concen: 5.757 ng
RT: 15.863 min Scan# 2127
Delta R.T. 0.165 min
Lab File: BM042547.D
Acq: 01 Nov 2023 19:37

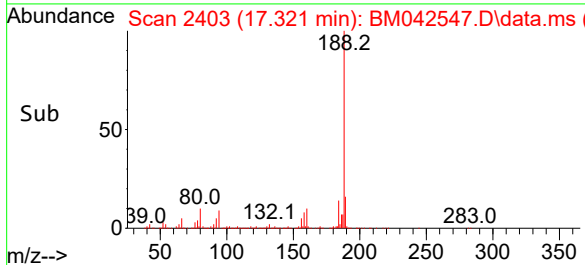
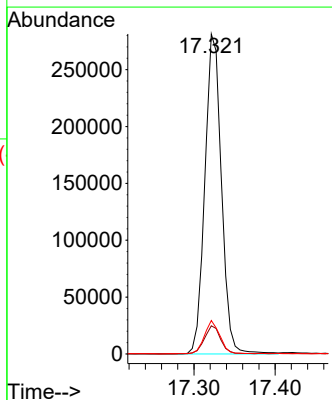
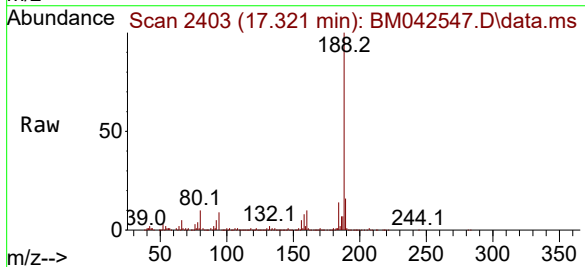
Instrument :
BNA_M
ClientSampleId :
CHRT-20413

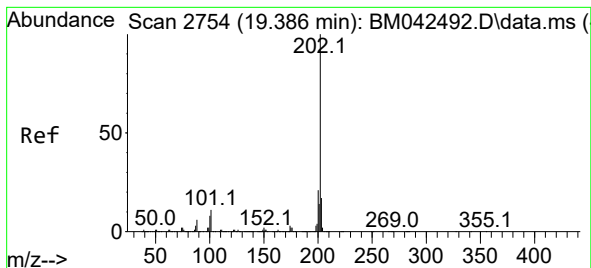
Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
92 143.0 37.0 77.0#
108 126.6 67.2 107.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM042547.D
Acq: 01 Nov 2023 19:37

Tgt Ion:188 Resp: 398552
Ion Ratio Lower Upper
188 100
94 8.8 8.2 12.4
80 10.5 9.4 14.2





#75

Fluoranthene

Concen: 3.538 ng

RT: 19.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042547.D

Acq: 01 Nov 2023 19:37

Instrument :

BNA_M

ClientSampleId :

CHRT-20413

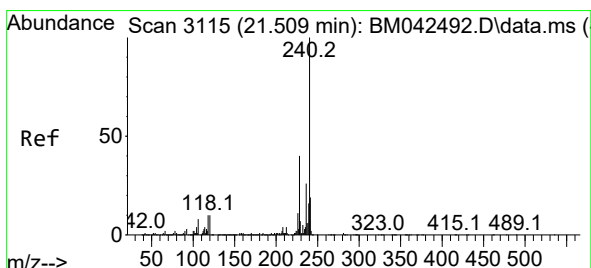
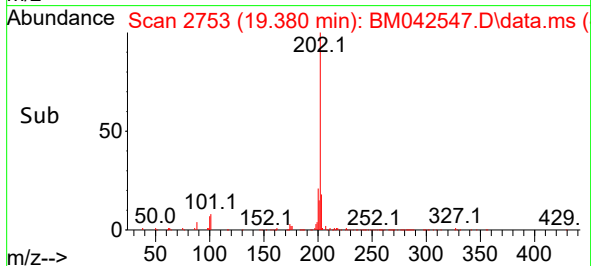
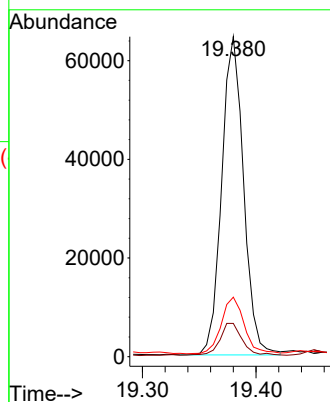
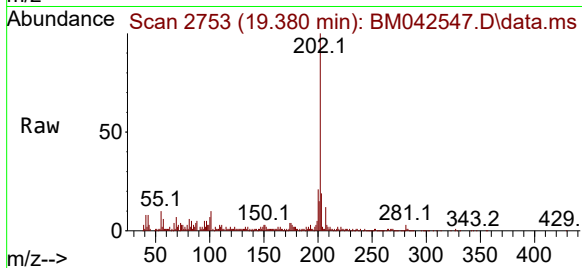
Tgt Ion:202 Resp: 86571

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.5

203 18.6 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM042547.D

Acq: 01 Nov 2023 19:37

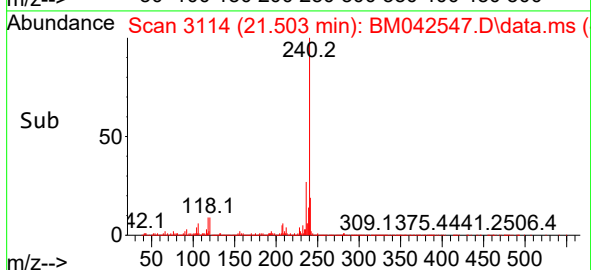
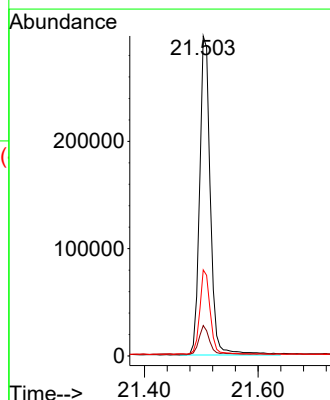
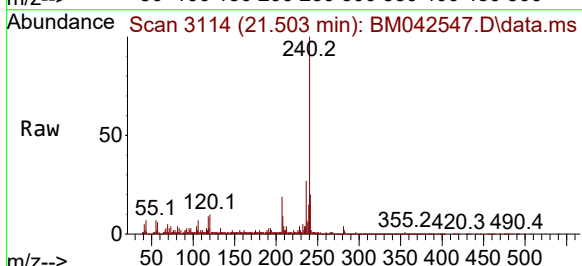
Tgt Ion:240 Resp: 391720

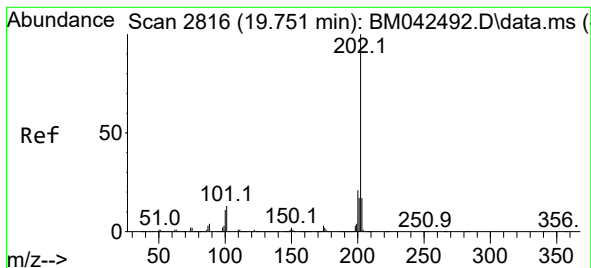
Ion Ratio Lower Upper

240 100

120 9.5 8.3 12.5

236 26.9 20.8 31.2





#78

Pyrene

Concen: 3.384 ng

RT: 19.745 min Scan# 2815

Delta R.T. -0.006 min

Lab File: BM042547.D

Acq: 01 Nov 2023 19:37

Instrument :

BNA_M

ClientSampleId :

CHRT-20413

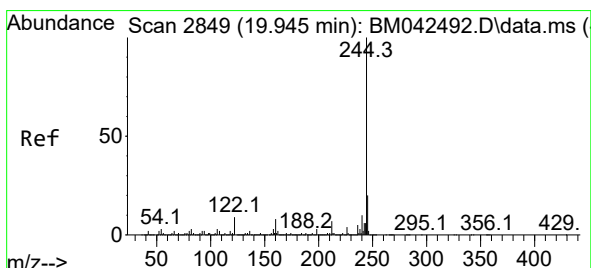
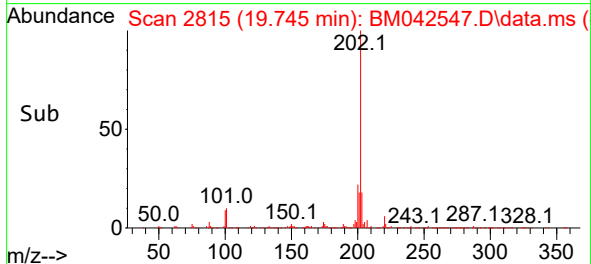
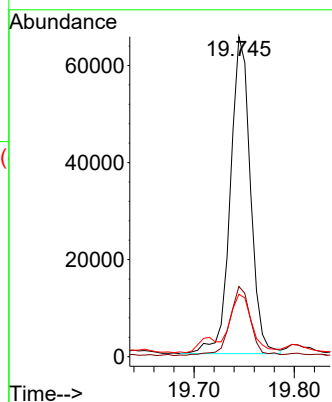
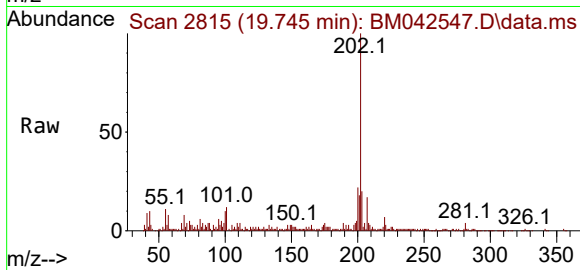
Tgt Ion:202 Resp: 91014

Ion Ratio Lower Upper

202 100

200 22.0 16.9 25.3

203 19.5 13.7 20.5



#79

Terphenyl-d14

Concen: 24.695 ng

RT: 19.939 min Scan# 2848

Delta R.T. -0.006 min

Lab File: BM042547.D

Acq: 01 Nov 2023 19:37

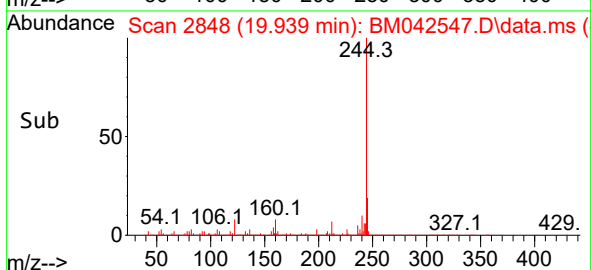
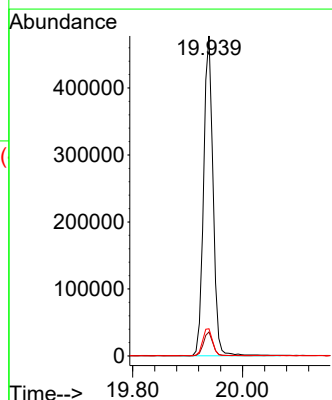
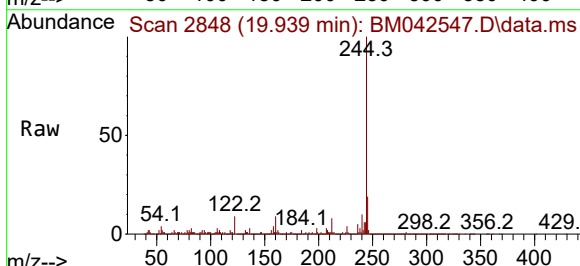
Tgt Ion:244 Resp: 570512

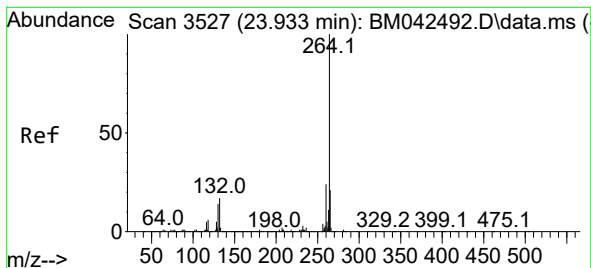
Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.2

122 8.5 7.2 10.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.933 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM042547.D

Acq: 01 Nov 2023 19:37

Instrument :

BNA_M

ClientSampleId :

CHRT-20413

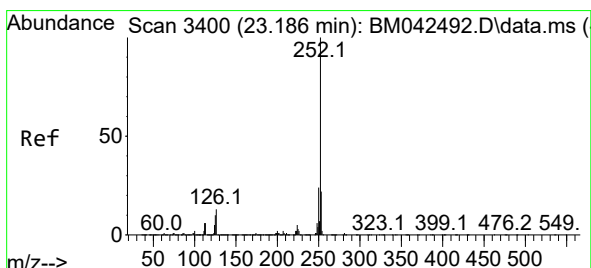
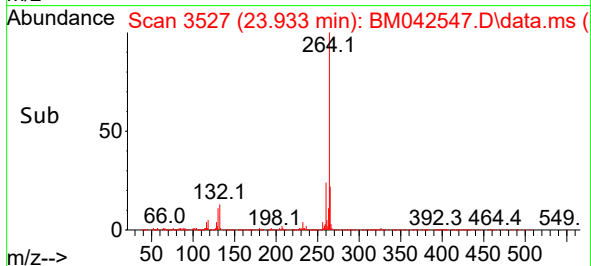
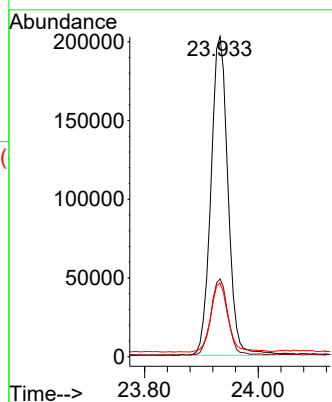
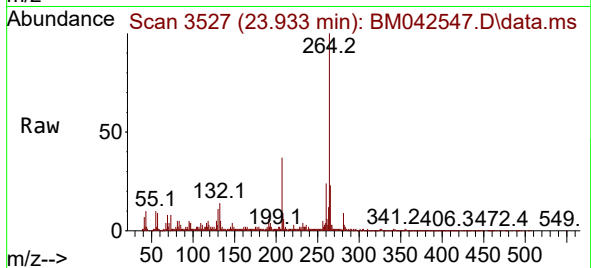
Tgt Ion:264 Resp: 420166

Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.4

265 23.0 18.7 28.1



#88

Benzo(b)fluoranthene

Concen: 2.579 ng

RT: 23.186 min Scan# 3400

Delta R.T. -0.000 min

Lab File: BM042547.D

Acq: 01 Nov 2023 19:37

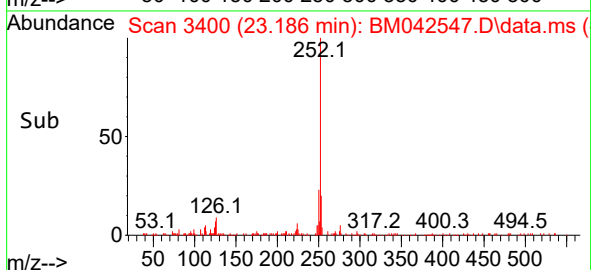
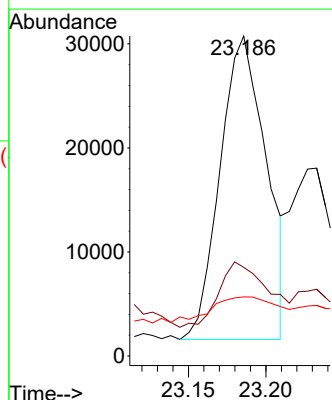
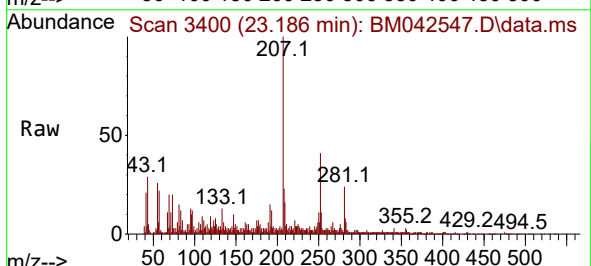
Tgt Ion:252 Resp: 60362

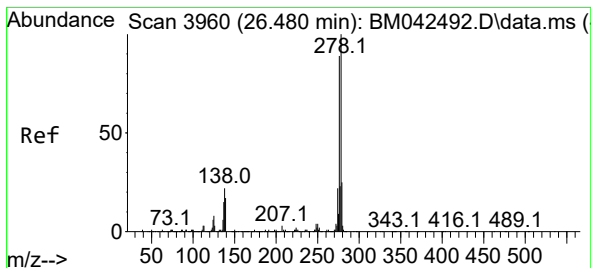
Ion Ratio Lower Upper

252 100

253 27.7 17.5 26.3#

125 18.4 7.8 11.6#





#91

Dibenzo(a,h)anthracene

Concen: 4.660 ng

RT: 26.485 min Scan# 3961

Delta R.T. 0.005 min

Lab File: BM042547.D

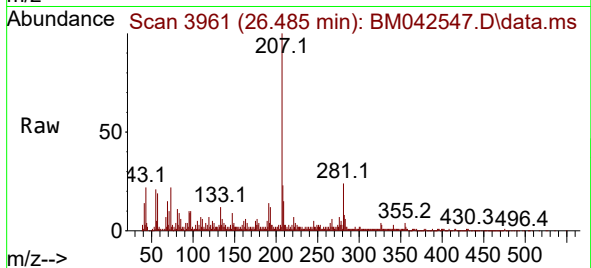
Acq: 01 Nov 2023 19:37

Instrument :

BNA_M

ClientSampleId :

CHRT-20413



Tgt Ion:278 Resp: 13184

Ion Ratio Lower Upper

278 100

139 51.5 13.4 20.2#

279 48.2 19.7 29.5#

