

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110123\
 Data File : BM042545.D
 Acq On : 01 Nov 2023 18:24
 Operator : MA/JU
 Sample : 05167-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-1

Quant Time: Nov 01 23:44:09 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)

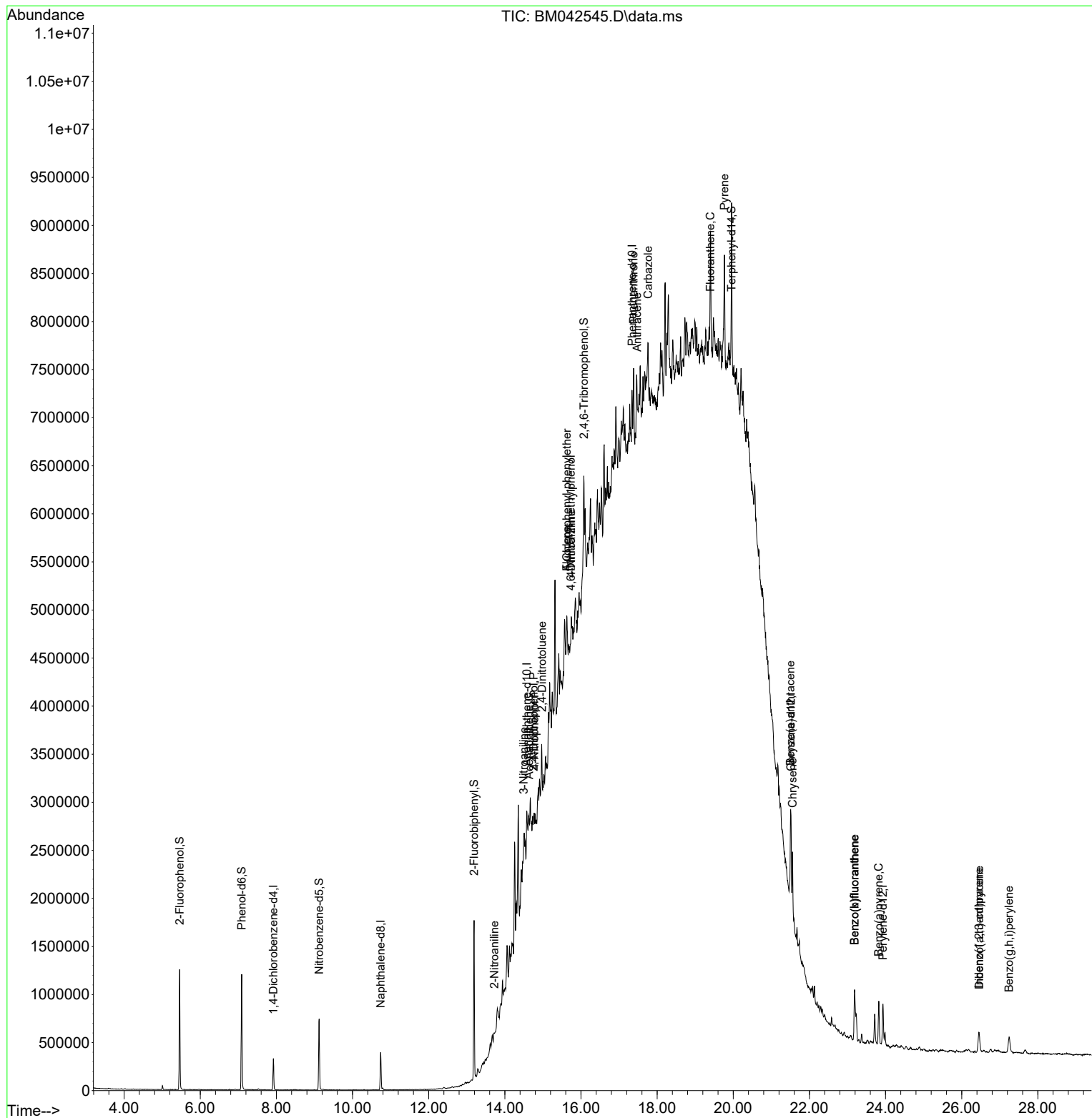
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	75659	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	287183	20.000	ng	-0.01
39) Acenaphthene-d10	14.574	164	176905	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	334545	20.000	ng	# 0.01
76) Chrysene-d12	21.515	240	299846	20.000	ng	0.00
86) Perylene-d12	23.927	264	339033	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	436427	93.094	ng	0.00
7) Phenol-d6	7.087	99	582537	90.605	ng	-0.01
23) Nitrobenzene-d5	9.122	82	400791	65.058	ng	-0.01
42) 2,4,6-Tribromophenol	16.080	330	201275	87.145	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	741126	56.373	ng	0.00
79) Terphenyl-d14	19.956	244	955804	54.050	ng	0.01
Target Compounds						Qvalue
48) 2-Nitroaniline	13.721	65	1392	4.667	ng	# 66
52) Acenaphthene	14.639	154	26702	2.678	ng	# 87
53) 3-Nitroaniline	14.492	138	3490	5.390	ng	# 19
54) 2,4-Dinitrophenol	14.757	184	61	7.776	ng	# 1
56) 4-Nitrophenol	14.774	139	2453	7.858	ng	# 1
57) 2,4-Dinitrotoluene	14.974	165	27015	9.972	ng	# 17
58) Fluorene	15.627	166	40020	3.051	ng	# 46
61) 4-Chlorophenyl-phenyle...	15.627	204	17220	2.598	ng	# 1
62) 4-Nitroaniline	15.739	138	9377	8.764	ng	# 37
65) 4,6-Dinitro-2-methylph...	15.733	198	788	6.157	ng	# 1
71) Phenanthrene	17.380	178	524581	30.005	ng	# 90
72) Anthracene	17.474	178	135255	7.811	ng	# 62
73) Carbazole	17.762	167	28439	2.019	ng	# 1
75) Fluoranthene	19.398	202	931057	45.336	ng	92
78) Pyrene	19.768	202	786669	38.207	ng	# 95
81) Benzo(a)anthracene	21.503	228	437052	22.909	ng	99
83) Chrysene	21.556	228	341037	17.598	ng	97
87) Indeno(1,2,3-cd)pyrene	26.456	276	220516	10.928	ng	# 91
88) Benzo(b)fluoranthene	23.186	252	457514	24.222	ng	97
89) Benzo(k)fluoranthene	23.186	252	457514	21.737	ng	97
90) Benzo(a)pyrene	23.821	252	327340	17.603	ng	96
91) Dibenzo(a,h)anthracene	26.462	278	61789	7.169	ng	# 90
92) Benzo(g,h,i)perylene	27.244	276	208716	11.736	ng	97

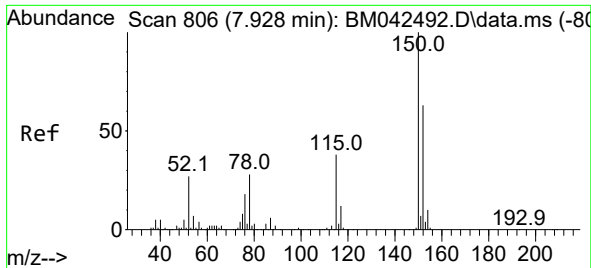
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110123\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
Response via : Initial Calibration

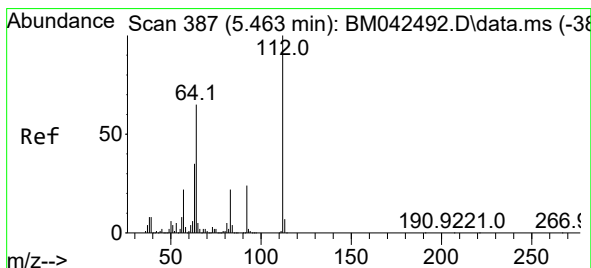
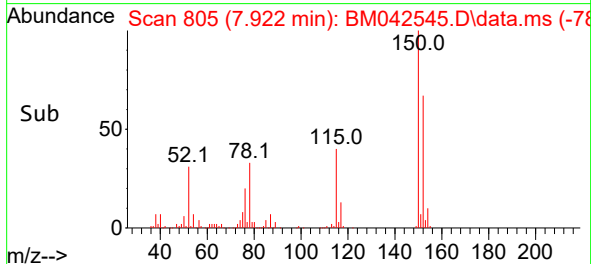
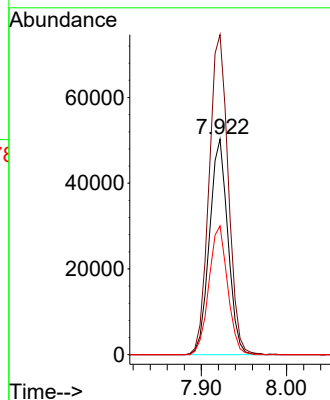
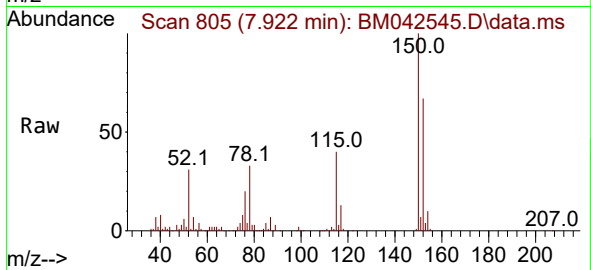




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

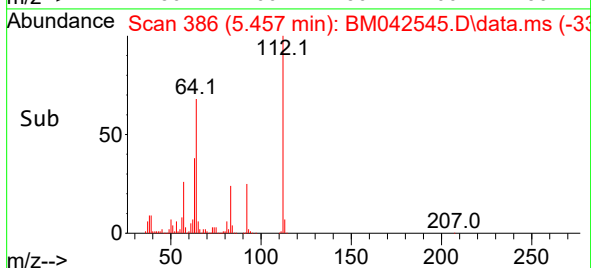
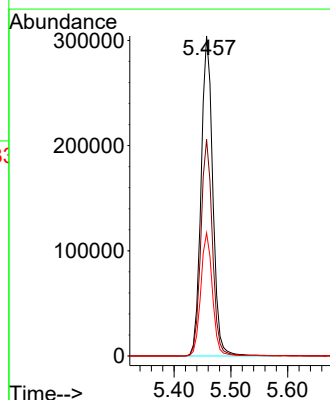
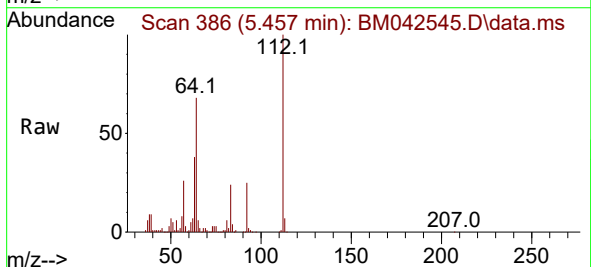
Instrument :
BNA_M
ClientSampleId :
WC-1

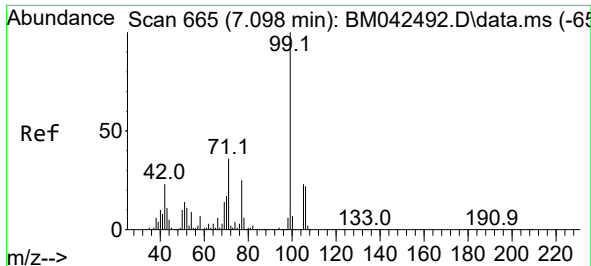
Tgt Ion:152 Resp: 75659
Ion Ratio Lower Upper
152 100
150 148.4 127.4 191.0
115 59.8 47.9 71.9



#5
2-Fluorophenol
Concen: 93.094 ng
RT: 5.457 min Scan# 386
Delta R.T. -0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Tgt Ion:112 Resp: 436427
Ion Ratio Lower Upper
112 100
64 67.6 52.1 78.1
63 38.4 28.3 42.5

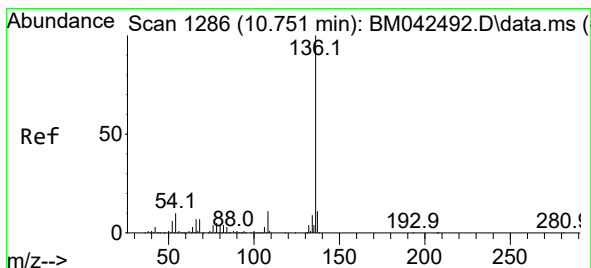
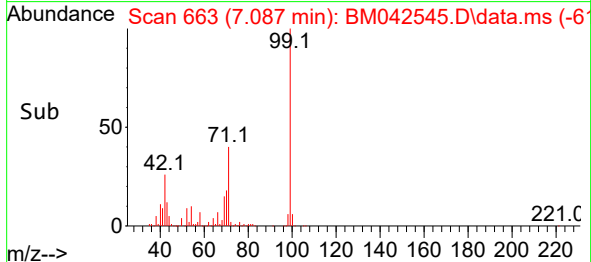
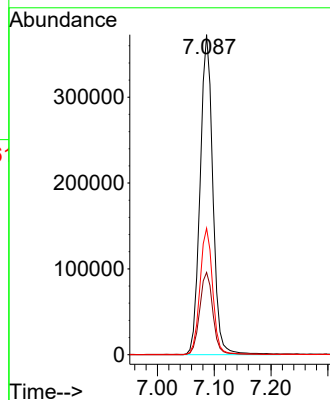
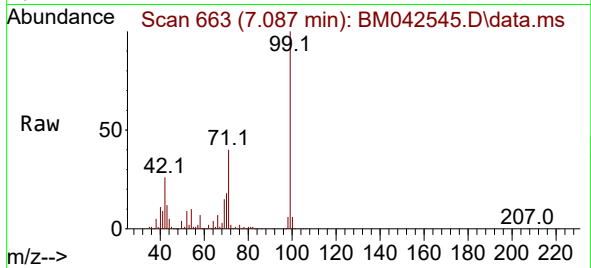




#7
Phenol-d6
Concen: 90.605 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

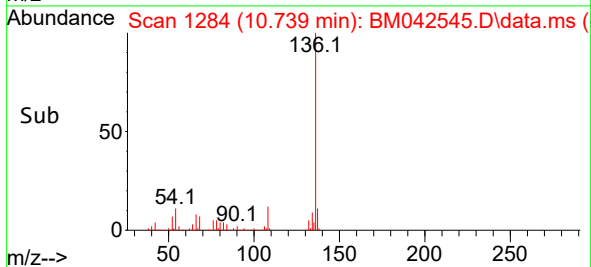
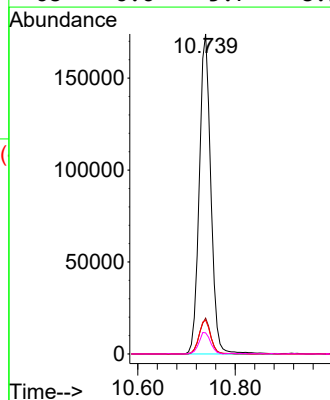
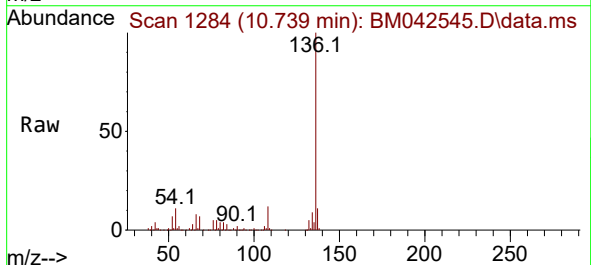
Instrument :
BNA_M
ClientSampleId :
WC-1

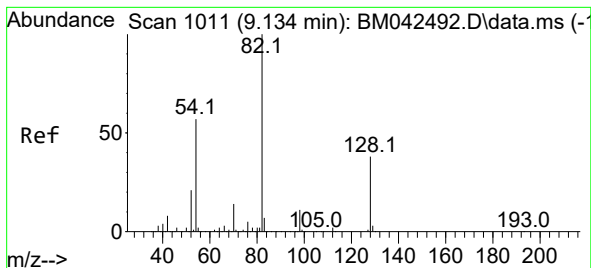
Tgt Ion: 99 Resp: 582537
Ion Ratio Lower Upper
99 100
42 25.7 18.7 28.1
71 39.5 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Tgt Ion: 136 Resp: 287183
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.5 8.0 12.0
68 6.6 5.7 8.5





#23

Nitrobenzene-d5

Concen: 65.058 ng

RT: 9.122 min Scan# 1009

Delta R.T. -0.012 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Instrument :

BNA_M

ClientSampleId :

WC-1

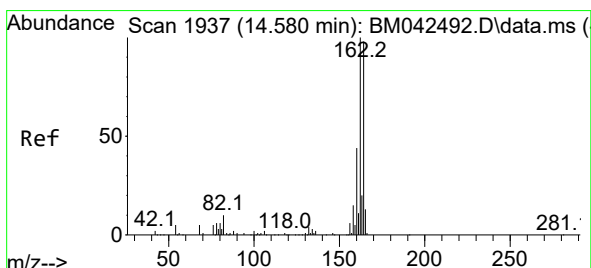
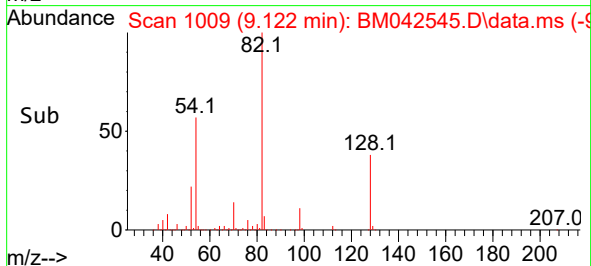
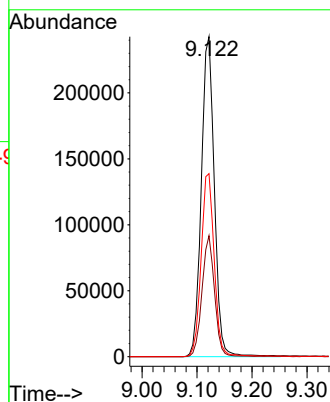
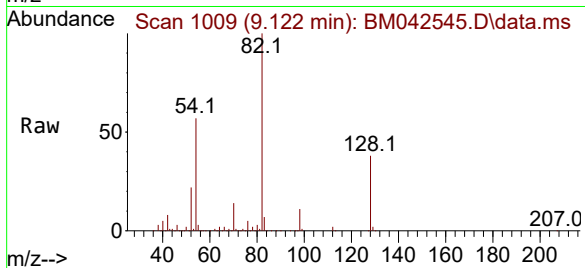
Tgt Ion: 82 Resp: 400791

Ion Ratio Lower Upper

82 100

128 37.8 30.7 46.1

54 57.2 45.3 67.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.574 min Scan# 1936

Delta R.T. -0.006 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

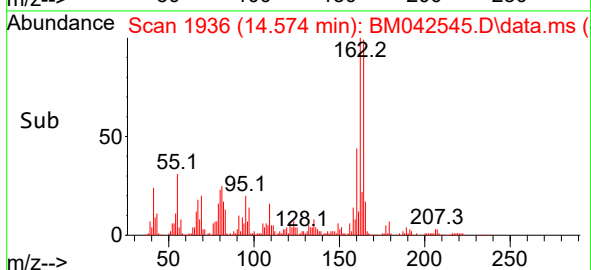
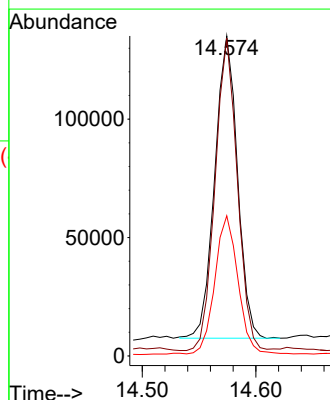
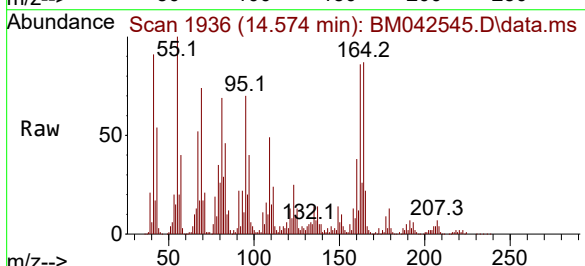
Tgt Ion:164 Resp: 176905

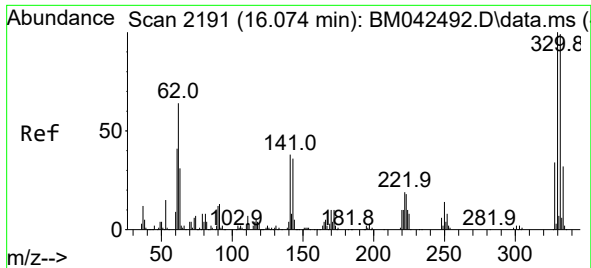
Ion Ratio Lower Upper

164 100

162 99.3 81.6 122.4

160 43.8 36.2 54.4

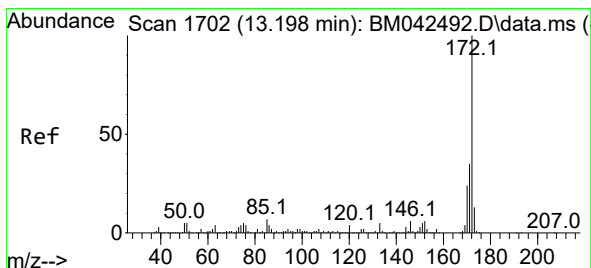
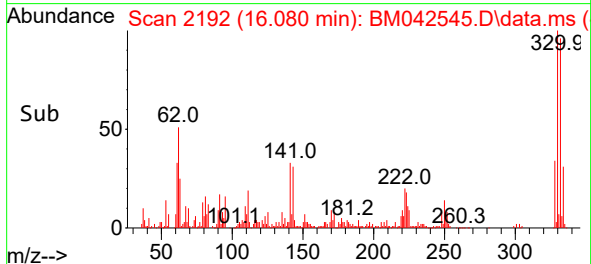
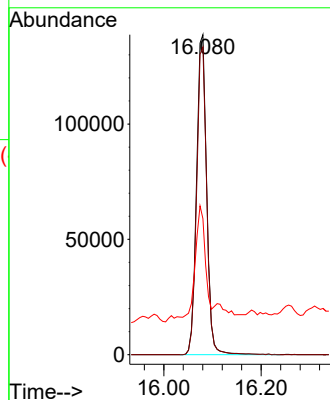
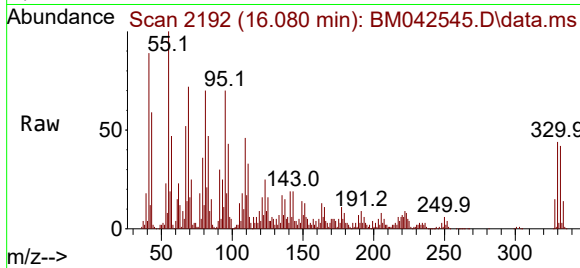




#42
2,4,6-Tribromophenol
Concen: 87.145 ng
RT: 16.080 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

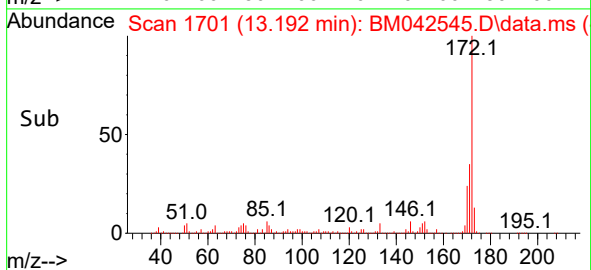
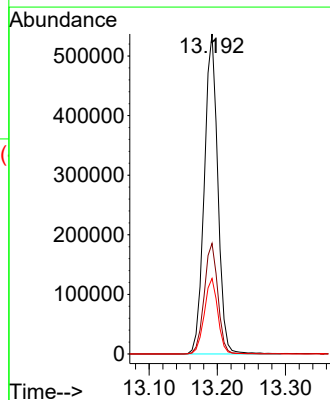
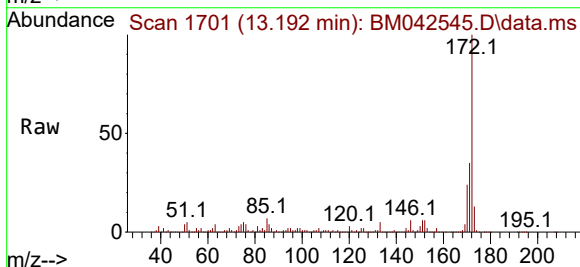
Instrument :
BNA_M
ClientSampleId :
WC-1

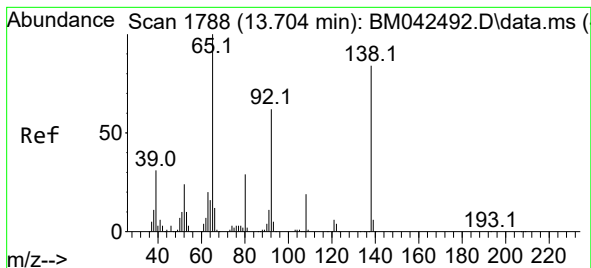
Tgt Ion:330 Resp: 201275
Ion Ratio Lower Upper
330 100
332 96.0 78.8 118.2
141 33.9 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 56.373 ng
RT: 13.192 min Scan# 1701
Delta R.T. -0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Tgt Ion:172 Resp: 741126
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.6 19.0 28.4





#48

2-Nitroaniline

Concen: 4.667 ng

RT: 13.721 min Scan# 1

Delta R.T. 0.017 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Instrument :

BNA_M

ClientSampleId :

WC-1

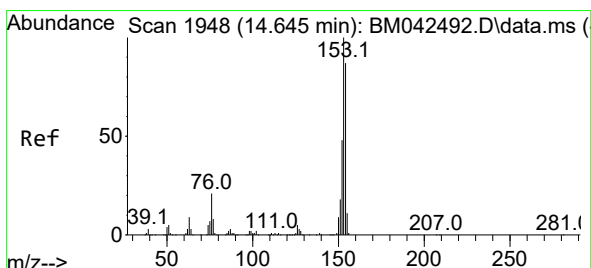
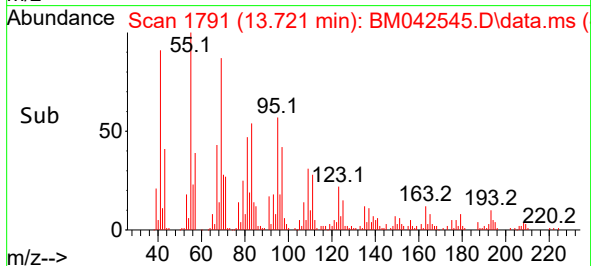
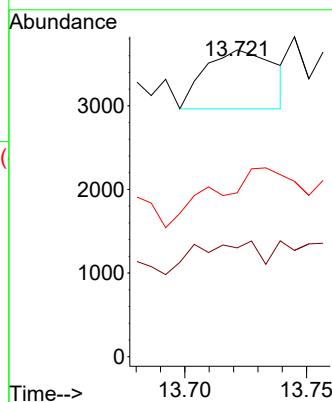
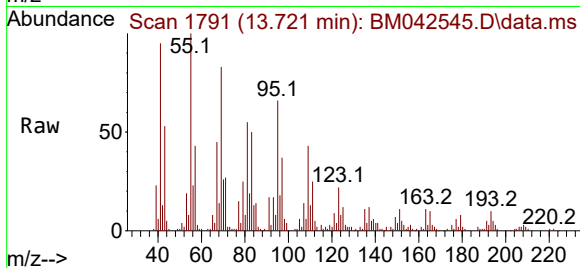
Tgt Ion: 65 Resp: 1392

Ion Ratio Lower Upper

65 100

92 35.5 49.4 74.2#

138 53.4 66.9 100.3#



#52

Acenaphthene

Concen: 2.678 ng

RT: 14.639 min Scan# 1947

Delta R.T. -0.006 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

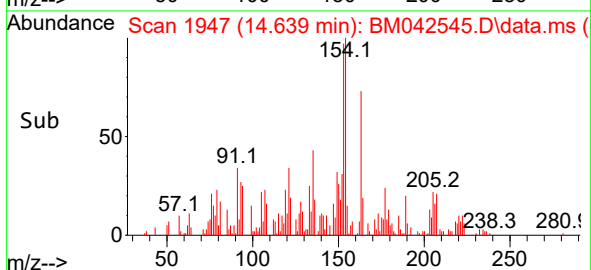
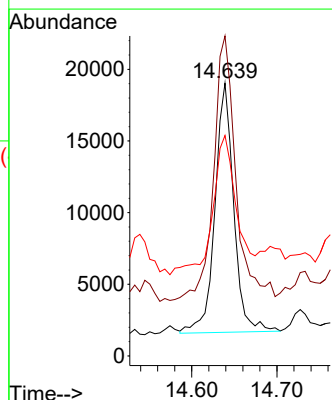
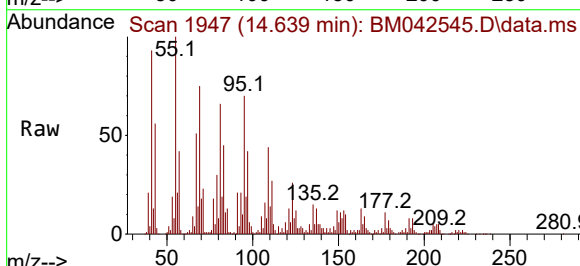
Tgt Ion: 154 Resp: 26702

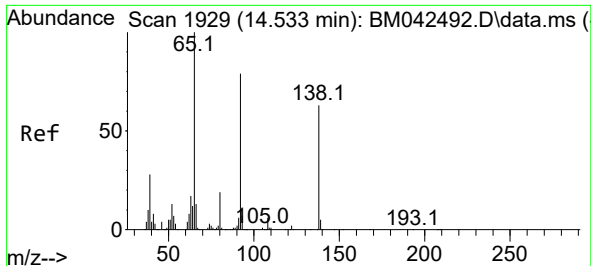
Ion Ratio Lower Upper

154 100

153 117.3 92.0 138.0

152 80.8 44.0 66.0#

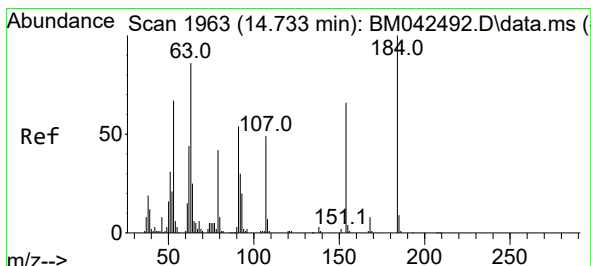
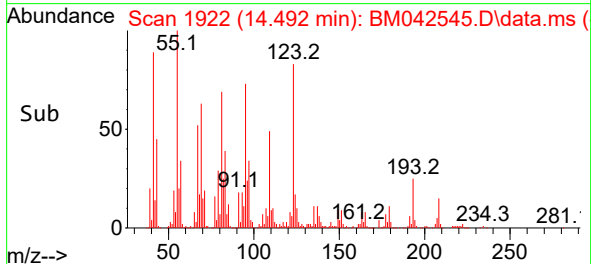
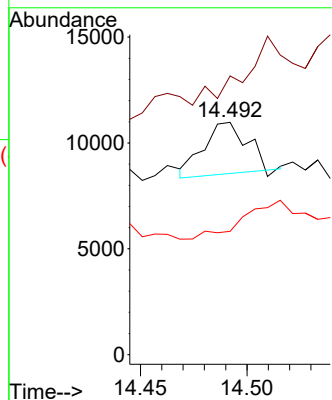
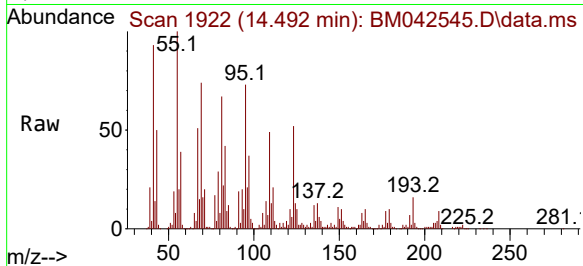




#53
3-Nitroaniline
Concen: 5.390 ng
RT: 14.492 min Scan# 1929
Delta R.T. -0.041 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

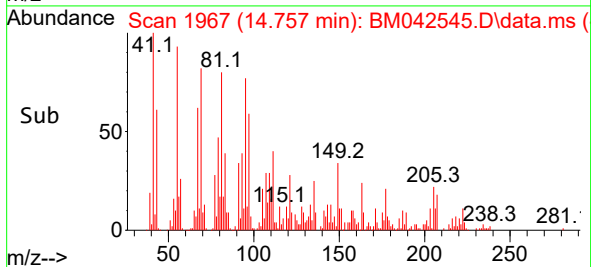
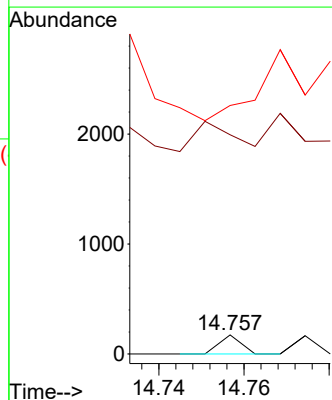
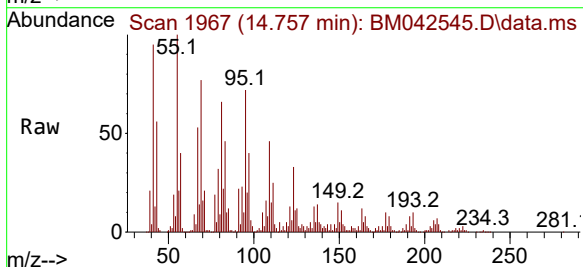
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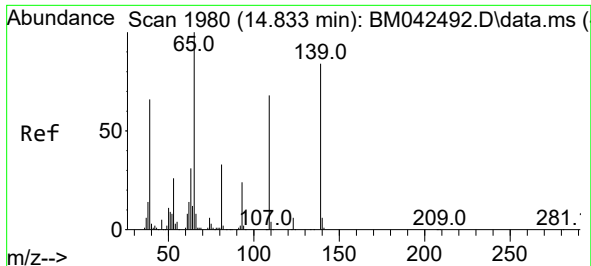
Tgt Ion:138 Resp: 3490
Ion Ratio Lower Upper
138 100
108 119.9 7.9 11.9#
92 53.1 100.7 151.1#



#54
2,4-Dinitrophenol
Concen: 7.776 ng
RT: 14.757 min Scan# 1967
Delta R.T. 0.024 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Tgt Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 1145.4 69.2 103.8#
154 1298.9 53.2 79.8#

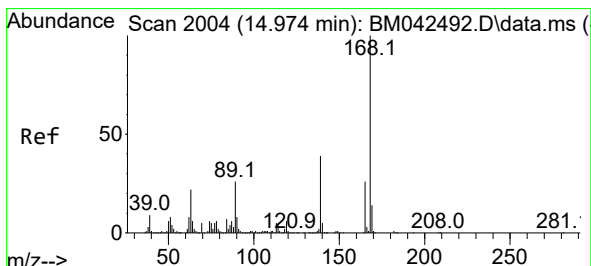
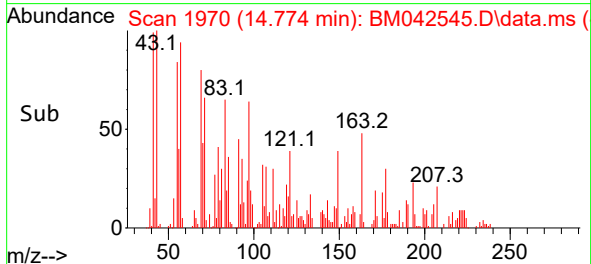
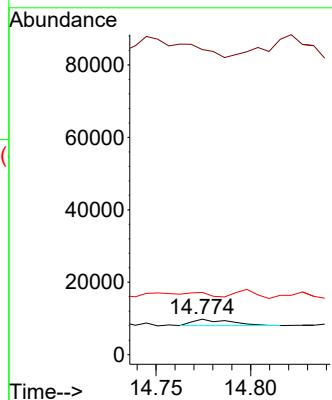
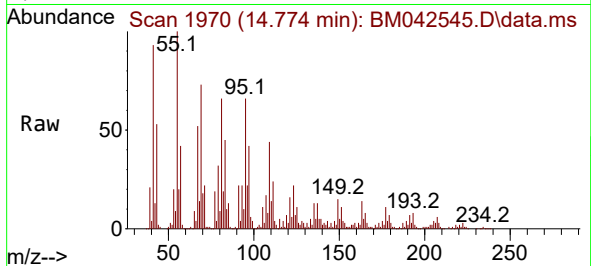




#56
4-Nitrophenol
Concen: 7.858 ng
RT: 14.774 min Scan# 1980
Delta R.T. -0.059 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

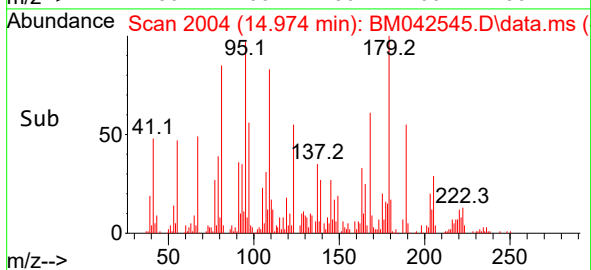
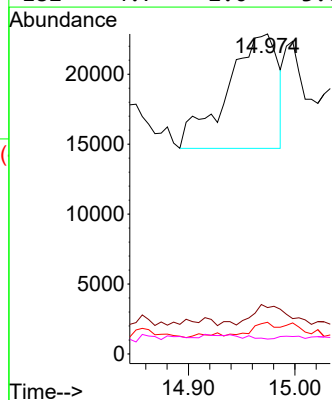
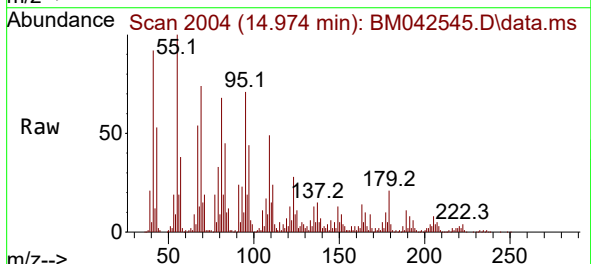
Instrument :
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ClientSampleId :
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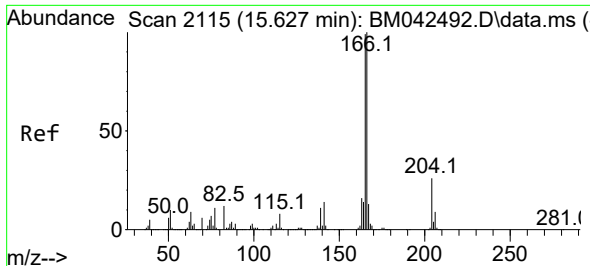
Tgt Ion:139 Resp: 2453
Ion Ratio Lower Upper
139 100
109 857.3 61.3 101.3#
65 174.9 100.2 140.2#



#57
2,4-Dinitrotoluene
Concen: 9.972 ng
RT: 14.974 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Tgt Ion:165 Resp: 27015
Ion Ratio Lower Upper
165 100
63 14.5 66.7 100.1#
89 9.9 80.2 120.4#
182 4.7 2.0 3.0#

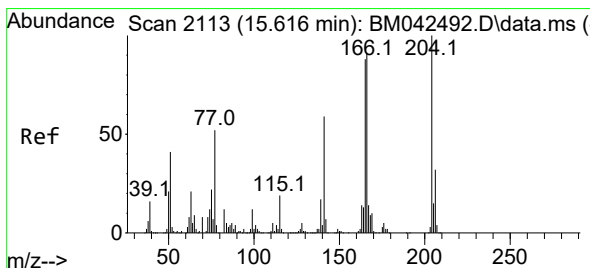
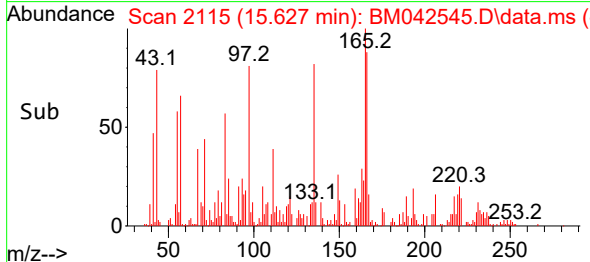
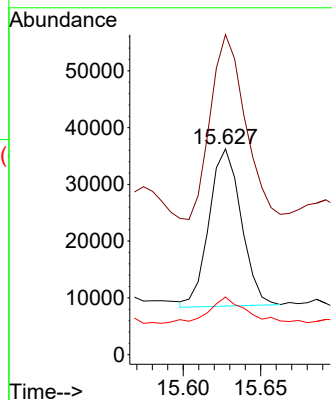
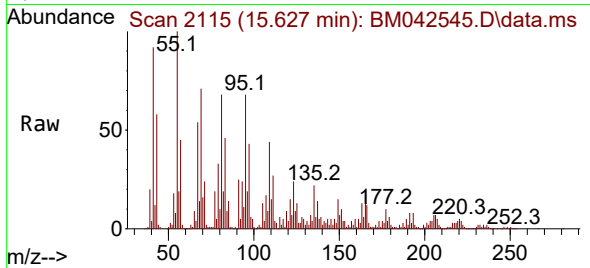




#58
Fluorene
Concen: 3.051 ng
RT: 15.627 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

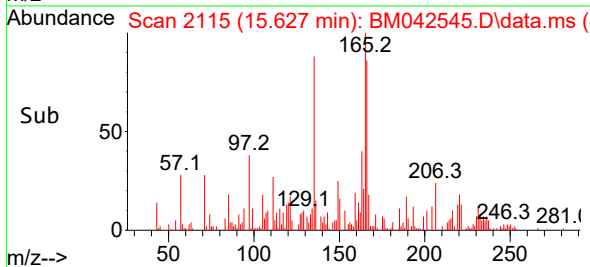
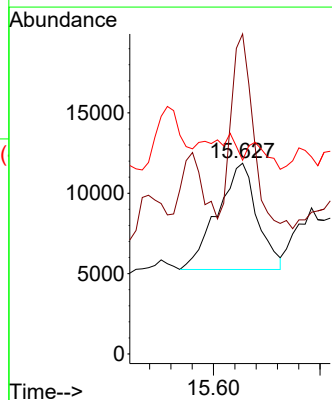
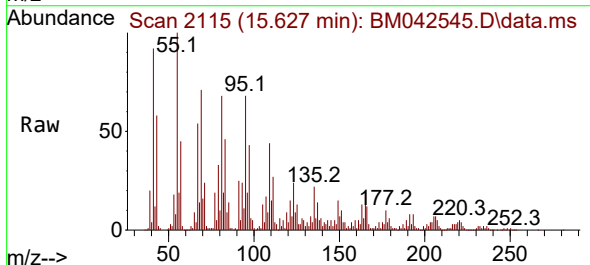
Instrument :
BNA_M
ClientSampleId :
WC-1

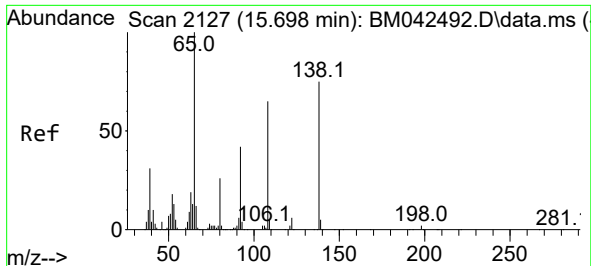
Tgt Ion:166 Resp: 40020
Ion Ratio Lower Upper
166 100
165 155.5 79.3 118.9#
167 28.0 10.5 15.7#



#61
4-Chlorophenyl-phenylether
Concen: 2.598 ng
RT: 15.627 min Scan# 2115
Delta R.T. 0.012 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Tgt Ion:204 Resp: 17220
Ion Ratio Lower Upper
204 100
206 167.8 25.9 38.9#
141 101.6 46.8 70.2#

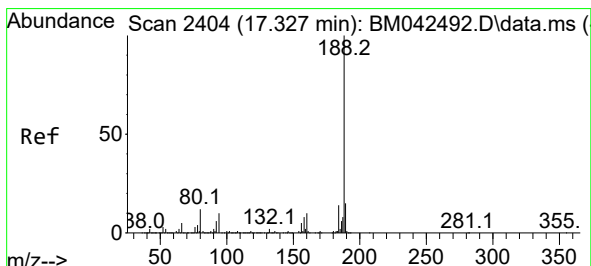
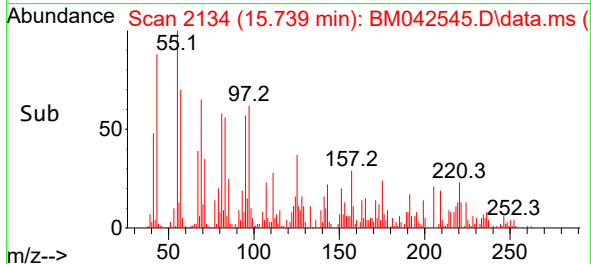
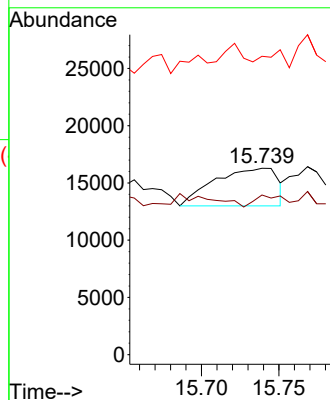
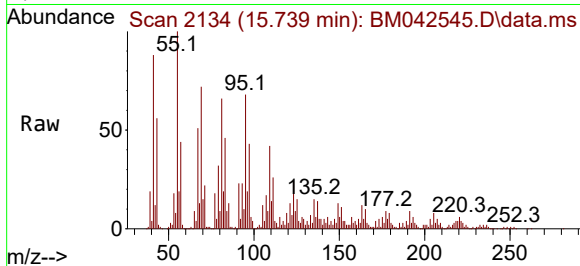




#62
4-Nitroaniline
Concen: 8.764 ng
RT: 15.739 min Scan# 2127
Delta R.T. 0.041 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

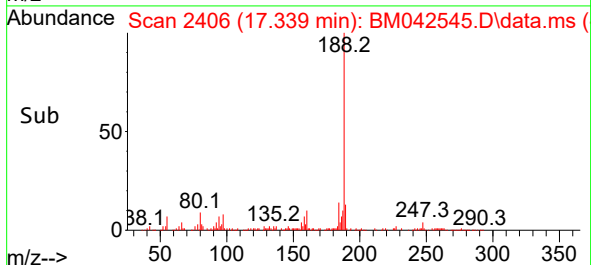
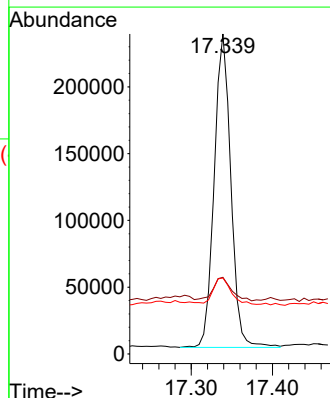
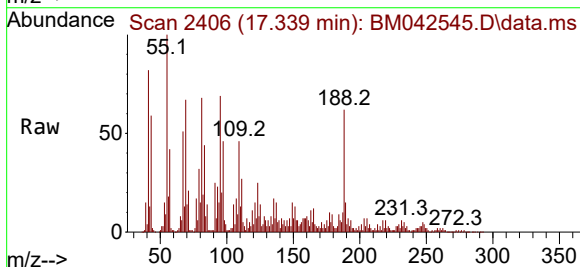
Instrument :
BNA_M
ClientSampleId :
WC-1

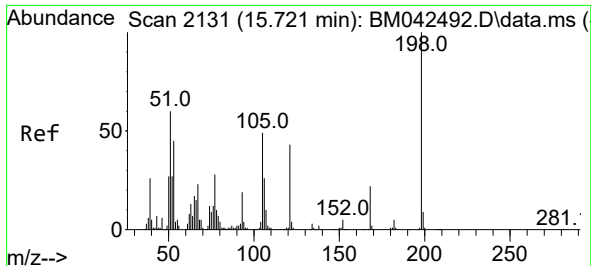
Tgt Ion:138 Resp: 9377
Ion Ratio Lower Upper
138 100
92 85.6 37.0 77.0#
108 160.1 67.2 107.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Tgt Ion:188 Resp: 334545
Ion Ratio Lower Upper
188 100
94 23.9 8.2 12.4#
80 23.8 9.4 14.2#

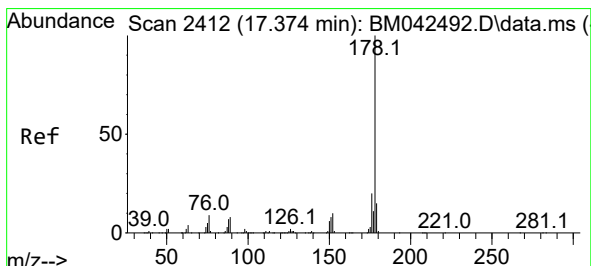
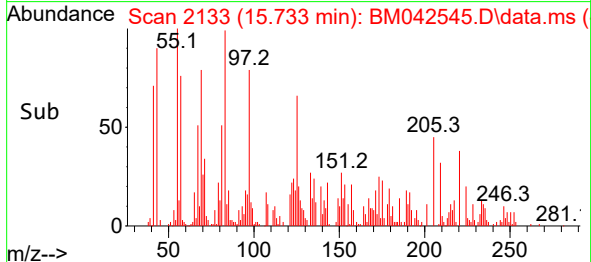
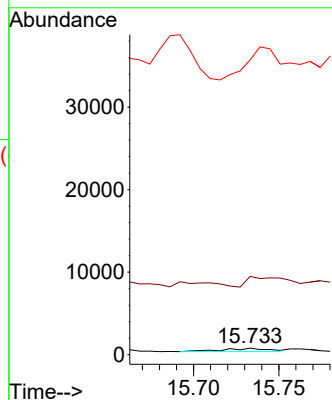
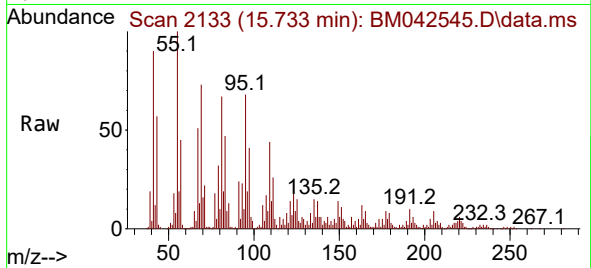




#65
4,6-Dinitro-2-methylphenol
Concen: 6.157 ng
RT: 15.733 min Scan# 2133
Delta R.T. 0.012 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

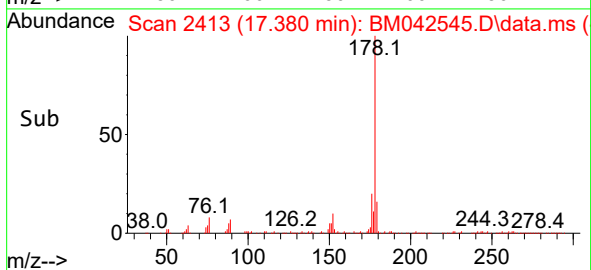
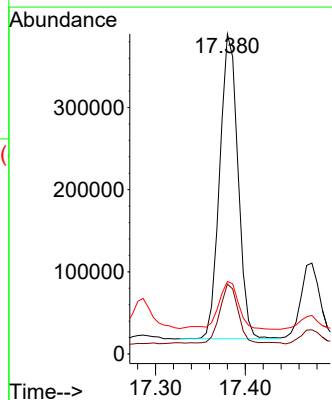
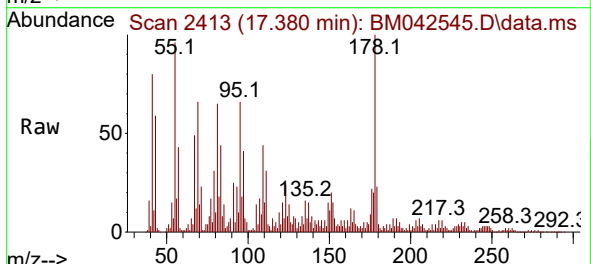
Instrument :
BNA_M
ClientSampleId :
WC-1

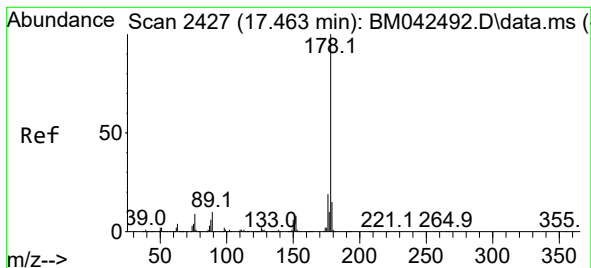
Tgt Ion:198 Resp: 788
Ion Ratio Lower Upper
198 100
51 1181.7 42.4 82.4#
105 4454.9 29.2 69.2#



#71
Phenanthrene
Concen: 30.005 ng
RT: 17.380 min Scan# 2413
Delta R.T. 0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Tgt Ion:178 Resp: 524581
Ion Ratio Lower Upper
178 100
176 21.9 15.8 23.8
179 22.7 12.2 18.4#





#72

Anthracene

Concen: 7.811 ng

RT: 17.474 min Scan# 2427

Delta R.T. 0.012 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Instrument :

BNA_M

ClientSampleId :

WC-1

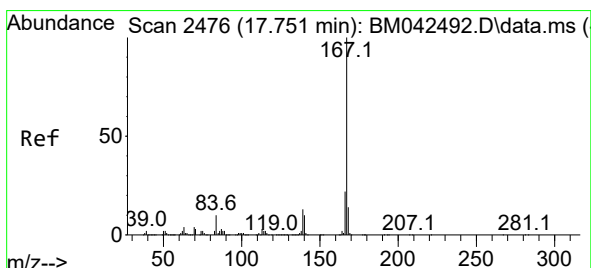
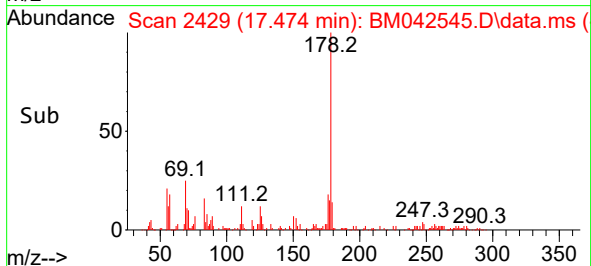
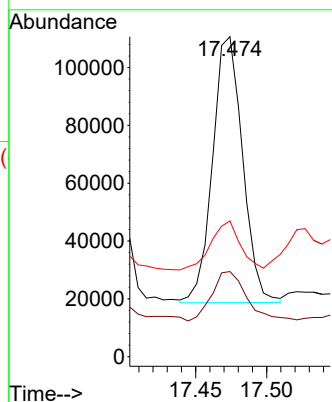
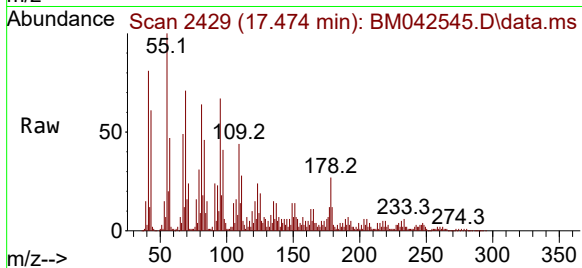
Tgt Ion:178 Resp: 135255

Ion Ratio Lower Upper

178 100

176 26.6 15.2 22.8#

179 42.4 12.3 18.5#



#73

Carbazole

Concen: 2.019 ng

RT: 17.762 min Scan# 2478

Delta R.T. 0.011 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

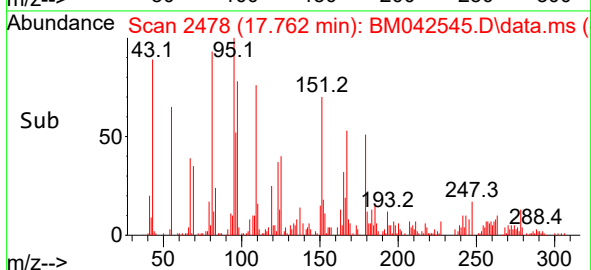
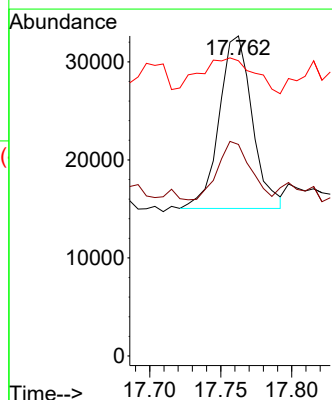
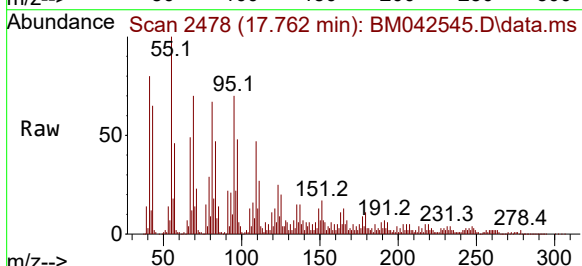
Tgt Ion:167 Resp: 28439

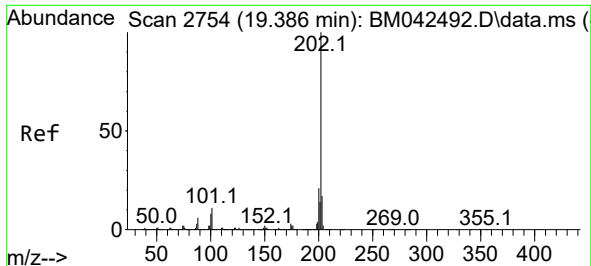
Ion Ratio Lower Upper

167 100

166 66.1 17.4 26.2#

139 92.2 10.5 15.7#

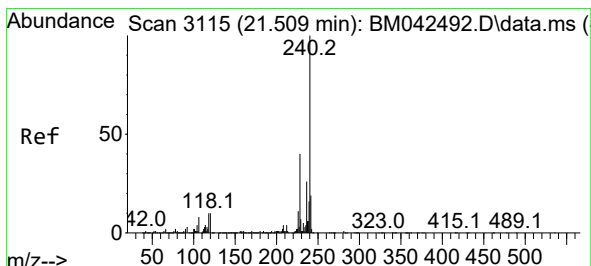
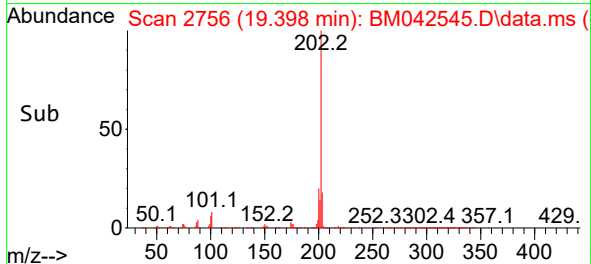
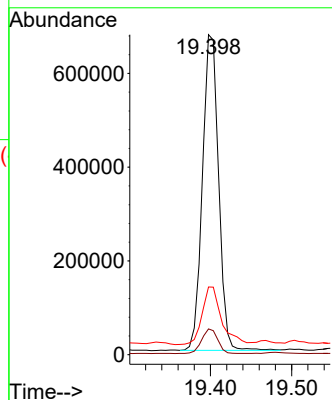
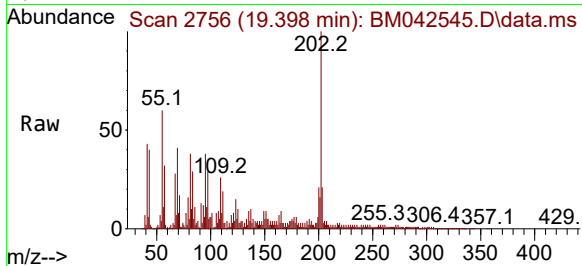




#75
Fluoranthene
Concen: 45.336 ng
RT: 19.398 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

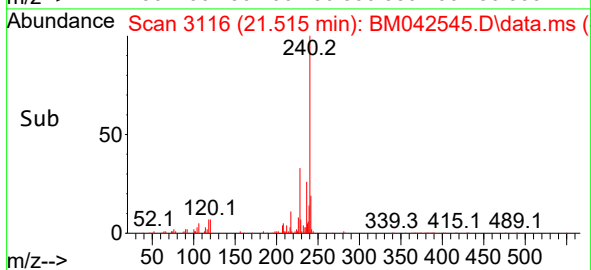
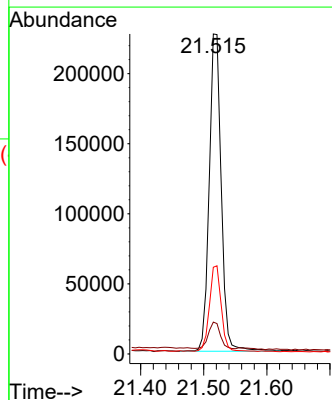
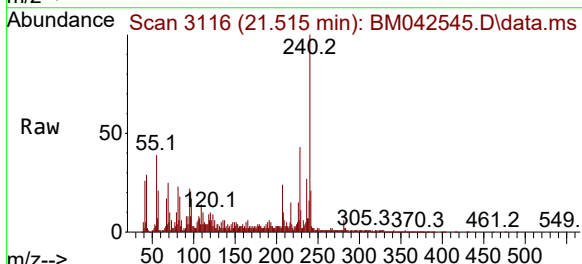
Instrument :
BNA_M
ClientSampleId :
WC-1

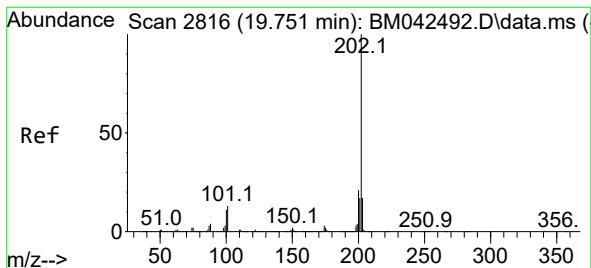
Tgt Ion:202 Resp: 931057
Ion Ratio Lower Upper
202 100
101 8.1 0.0 30.5
203 21.2 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3116
Delta R.T. 0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Tgt Ion:240 Resp: 299846
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 27.1 20.8 31.2





#78

Pyrene

Concen: 38.207 ng

RT: 19.768 min Scan# 2

Delta R.T. 0.018 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Instrument :

BNA_M

ClientSampleId :

WC-1

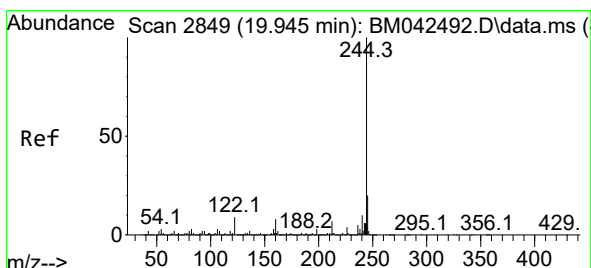
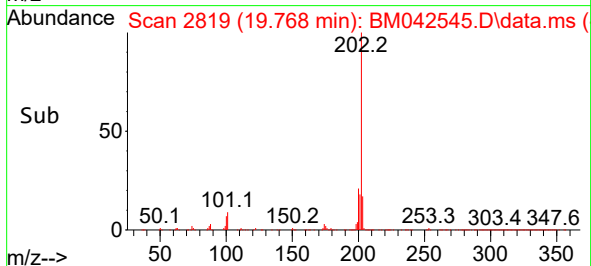
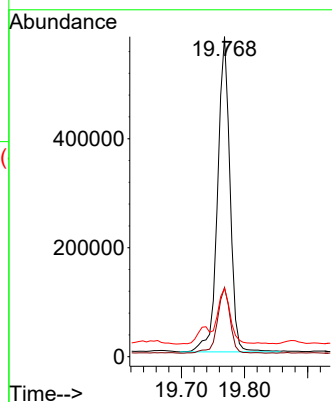
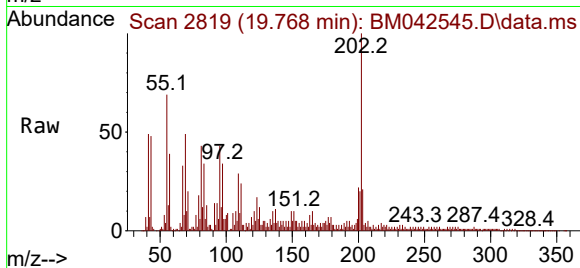
Tgt Ion:202 Resp: 786669

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

203 21.4 13.7 20.5#



#79

Terphenyl-d14

Concen: 54.050 ng

RT: 19.956 min Scan# 2851

Delta R.T. 0.012 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

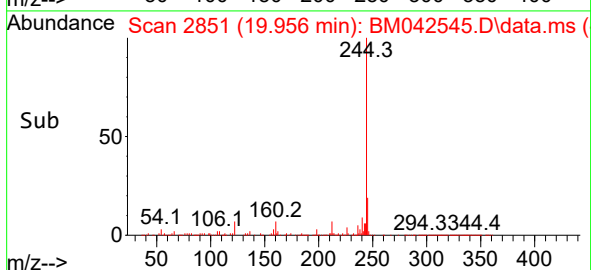
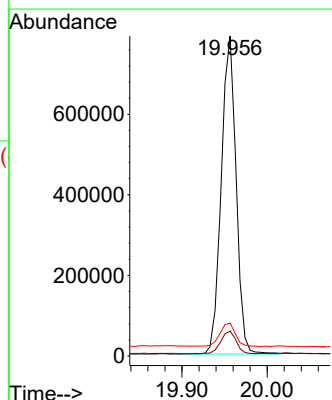
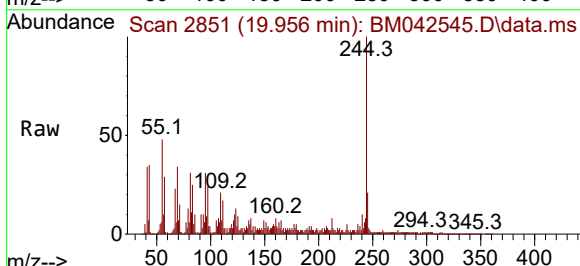
Tgt Ion:244 Resp: 955804

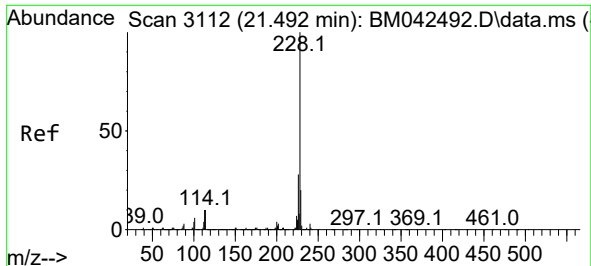
Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.2

122 10.3 7.2 10.8

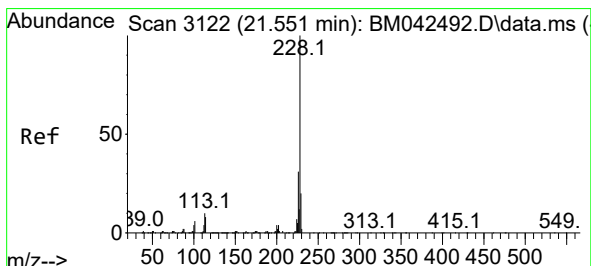
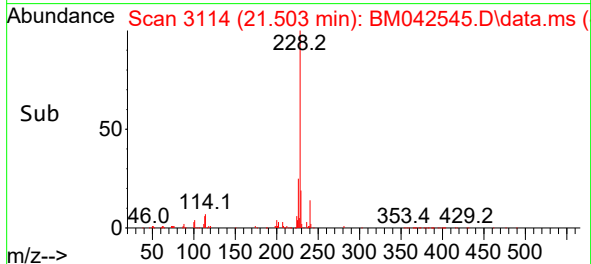
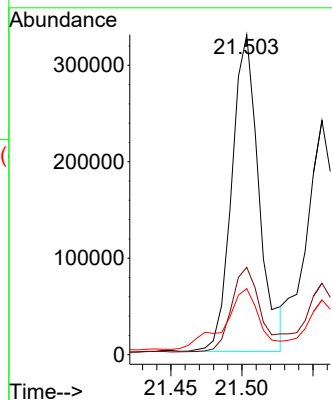
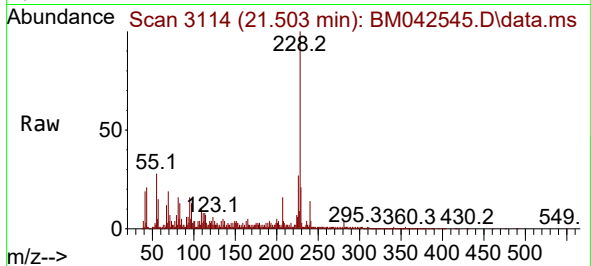




#81
Benzo(a)anthracene
Concen: 22.909 ng
RT: 21.503 min Scan# 3114
Delta R.T. 0.012 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

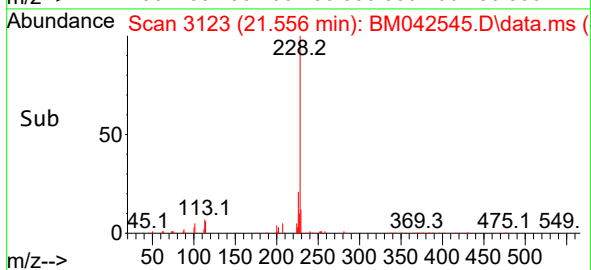
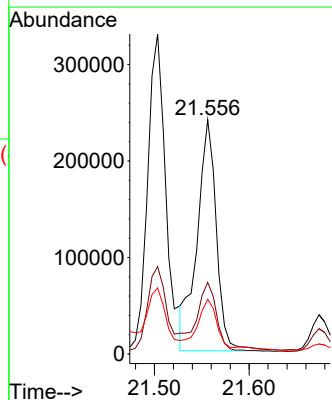
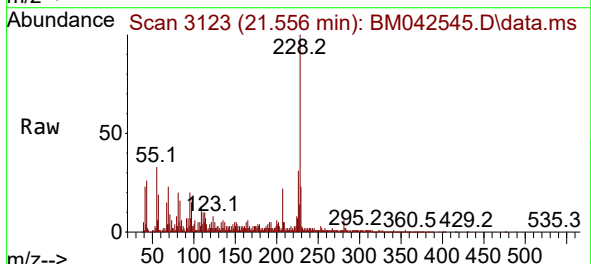
Instrument :
BNA_M
ClientSampleId :
WC-1

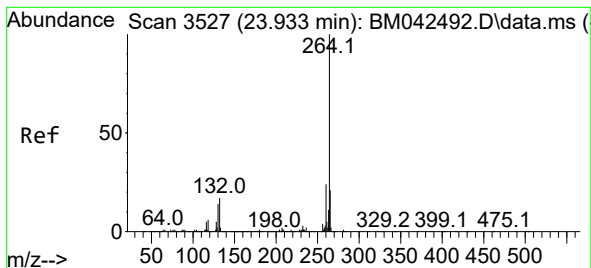
Tgt Ion:228 Resp: 437052
Ion Ratio Lower Upper
228 100
226 27.3 22.3 33.5
229 20.7 15.8 23.8



#83
Chrysene
Concen: 17.598 ng
RT: 21.556 min Scan# 3123
Delta R.T. 0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Tgt Ion:228 Resp: 341037
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 23.4 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Instrument :

BNA_M

ClientSampleId :

WC-1

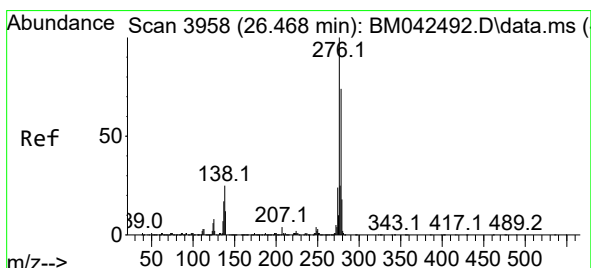
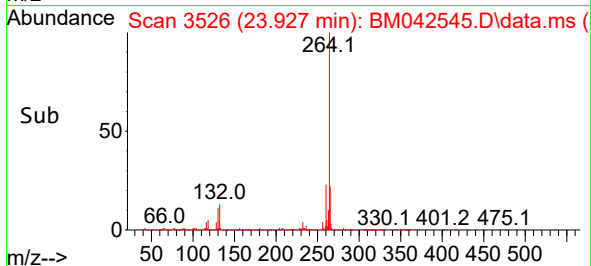
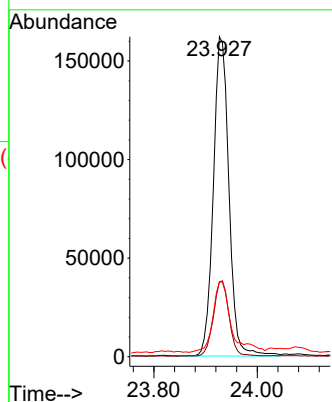
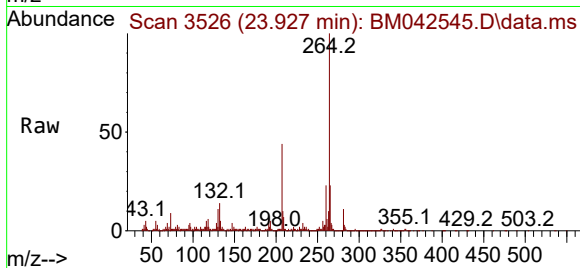
Tgt Ion:264 Resp: 339033

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 23.4 18.7 28.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.928 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.012 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

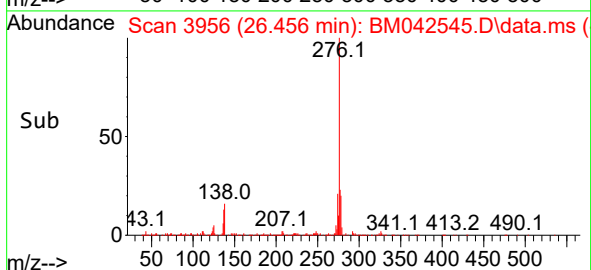
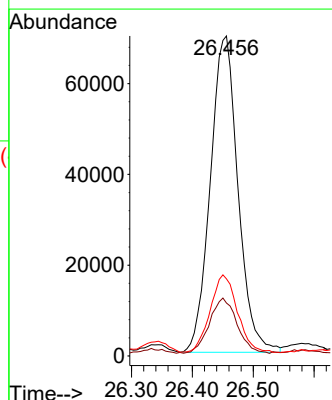
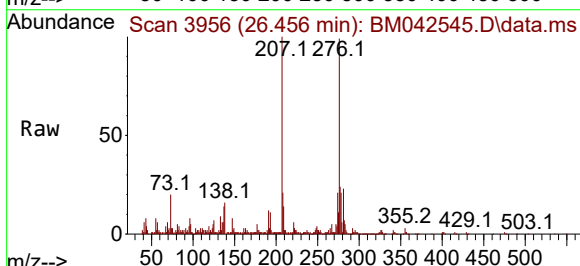
Tgt Ion:276 Resp: 220516

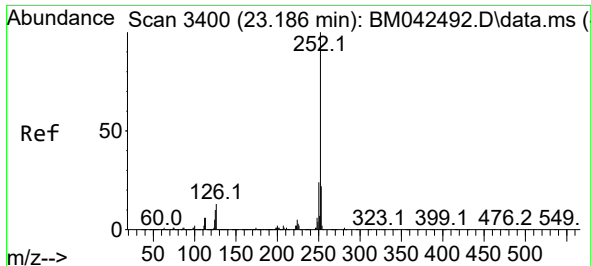
Ion Ratio Lower Upper

276 100

138 17.3 20.6 31.0#

277 23.8 19.5 29.3

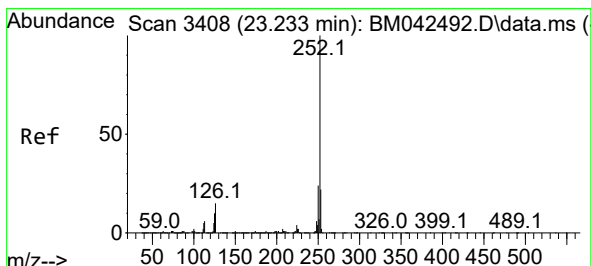
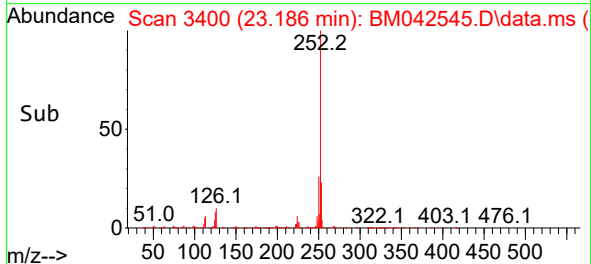
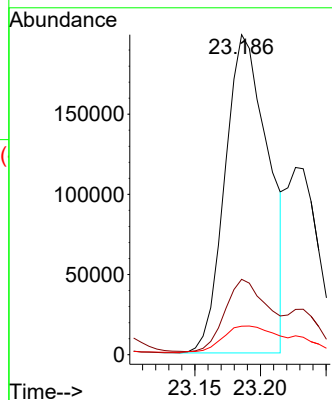
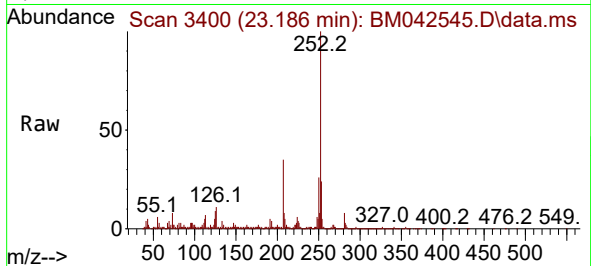




#88
Benzo(b)fluoranthene
Concen: 24.222 ng
RT: 23.186 min Scan# 3400
Delta R.T. -0.000 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

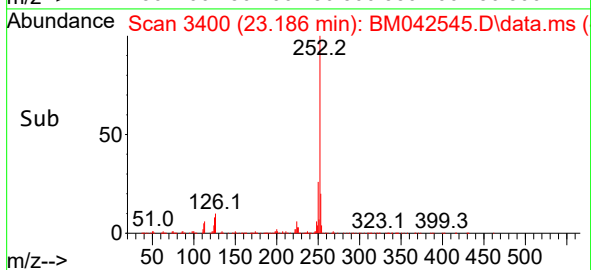
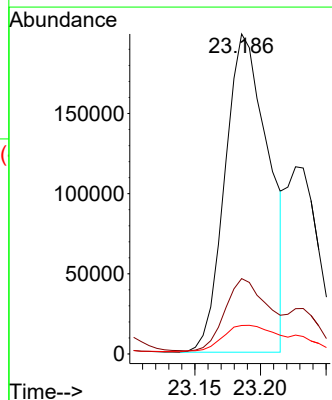
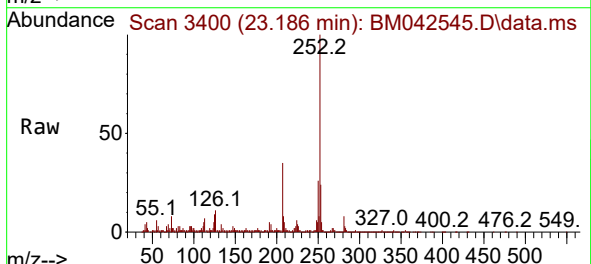
Instrument :
BNA_M
ClientSampleId :
WC-1

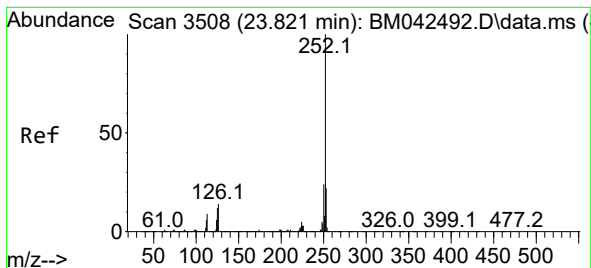
Tgt Ion:252 Resp: 457514
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 8.9 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 21.737 ng
RT: 23.186 min Scan# 3400
Delta R.T. -0.047 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Tgt Ion:252 Resp: 457514
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 8.9 8.2 12.4





#90

Benzo(a)pyrene

Concen: 17.603 ng

RT: 23.821 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Instrument :

BNA_M

ClientSampleId :

WC-1

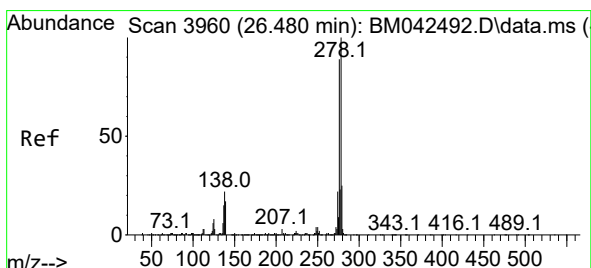
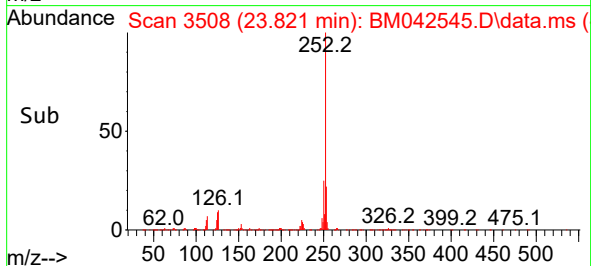
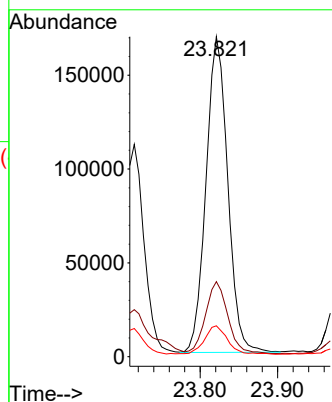
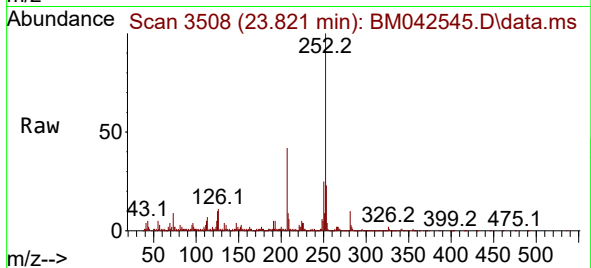
Tgt Ion:252 Resp: 327340

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 9.7 9.4 14.2



#91

Dibenzo(a,h)anthracene

Concen: 7.169 ng

RT: 26.462 min Scan# 3957

Delta R.T. -0.018 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

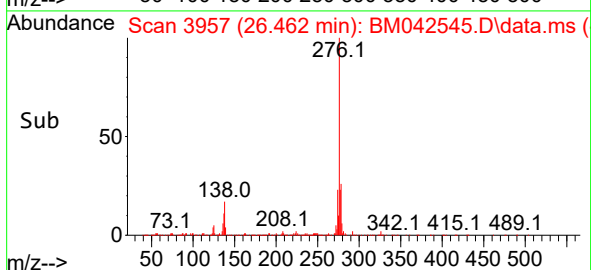
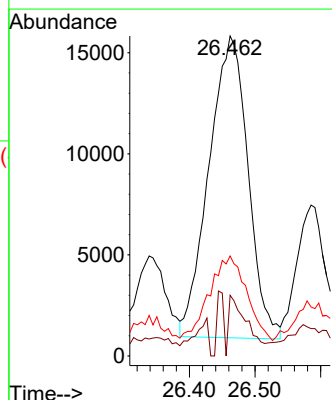
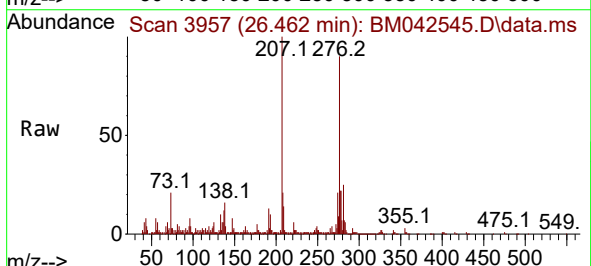
Tgt Ion:278 Resp: 61789

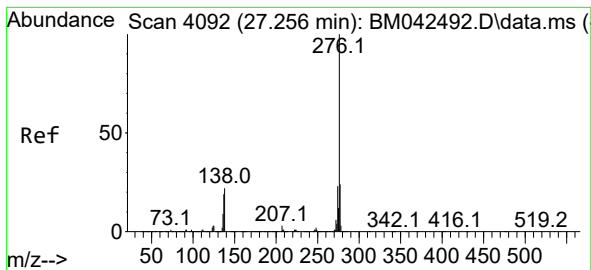
Ion Ratio Lower Upper

278 100

139 19.0 13.4 20.2

279 31.2 19.7 29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 11.736 ng
 RT: 27.244 min Scan# 4092
 Delta R.T. -0.012 min
 Lab File: BM042545.D
 Acq: 01 Nov 2023 18:24

Instrument :
 BNA_M
 ClientSampleId :
 WC-1

Tgt Ion:	276	Resp:	208716
Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	19.7	17.3	25.9

