

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
 Data File : BM042458.D
 Acq On : 26 Oct 2023 18:32
 Operator : MA/JU
 Sample : 05021-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 350

Quant Time: Oct 26 19:06:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

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

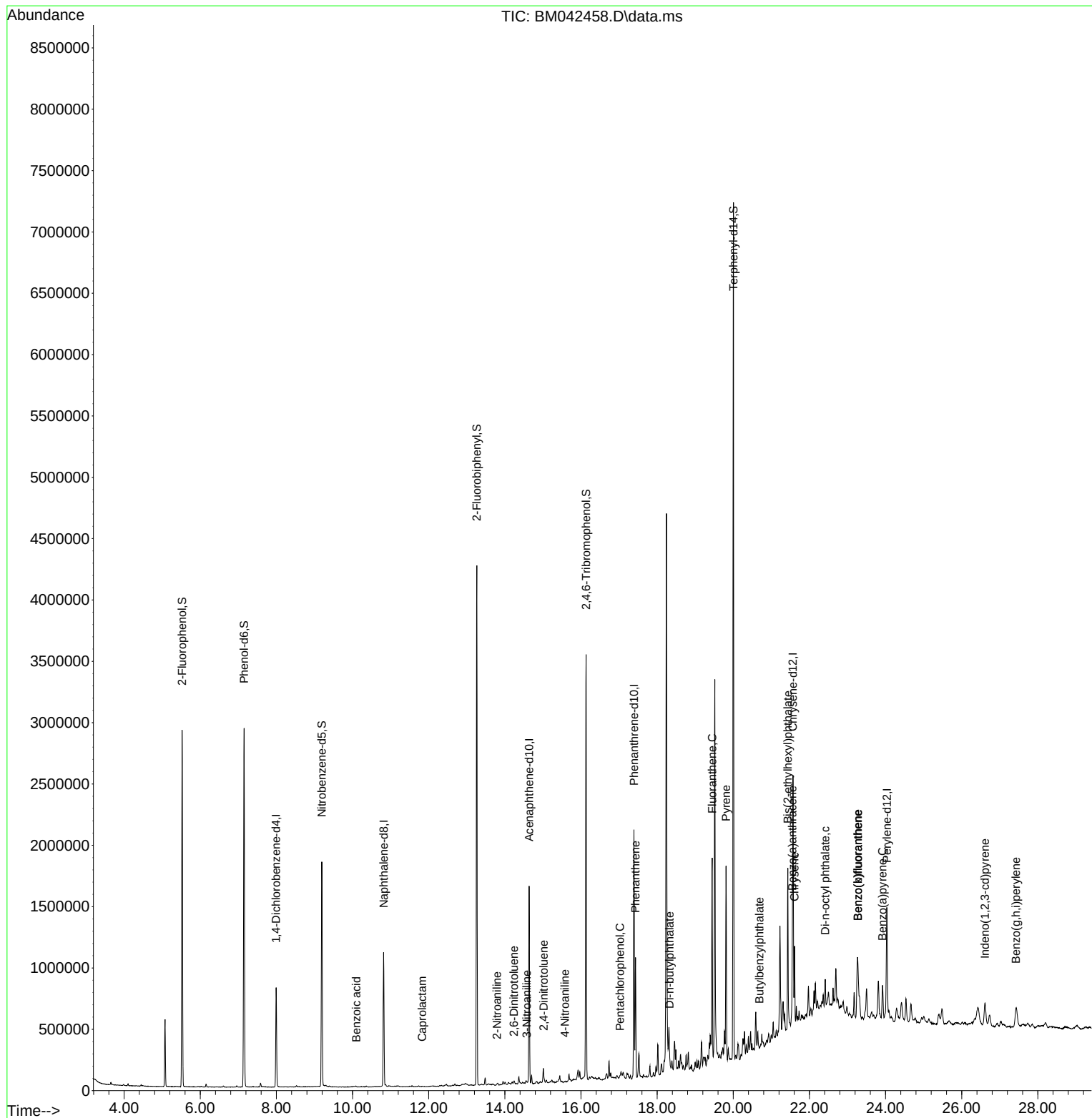
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	201356	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	833380	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	520469	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	1132898	20.000	ng	0.00
76) Chrysene-d12	21.568	240	810473	20.000	ng	-0.01
86) Perylene-d12	24.033	264	677020	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1136670	79.783	ng	0.00
7) Phenol-d6	7.151	99	1559557	81.683	ng	0.00
23) Nitrobenzene-d5	9.192	82	1016244	53.922	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	620685	109.550	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	2069966	53.556	ng	0.00
79) Terphenyl-d14	20.003	244	3257693	71.285	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.098	122	331	5.354	ng	# 57
35) Caprolactam	11.827	113	446	6.016	ng	# 1
48) 2-Nitroaniline	13.792	65	137	3.649	ng	# 65
51) 2,6-Dinitrotoluene	14.239	165	115	2.900	ng	# 1
53) 3-Nitroaniline	14.580	138	121	3.276	ng	# 51
57) 2,4-Dinitrotoluene	15.021	165	1488	4.182	ng	# 84
62) 4-Nitroaniline	15.580	138	141	3.814	ng	89
70) Pentachlorophenol	17.021	266	1826	6.166	ng	99
71) Phenanthrene	17.433	178	552440	8.964	ng	100
74) Di-n-butylphthalate	18.327	149	50552	3.474	ng	98
75) Fluoranthene	19.445	202	921041	13.570	ng	98
78) Pyrene	19.809	202	892895	15.766	ng	99
80) Butylbenzylphthalate	20.686	149	1652	3.318	ng	# 78
81) Benzo(a)anthracene	21.550	228	321142	5.911	ng	99
83) Chrysene	21.609	228	345852	6.628	ng	97
84) Bis(2-ethylhexyl)phtha...	21.433	149	403158	13.640	ng	# 97
85) Di-n-octyl phthalate	22.415	149	31929	4.682	ng	# 16
87) Indeno(1,2,3-cd)pyrene	26.609	276	132921	2.687	ng	# 91
88) Benzo(b)fluoranthene	23.274	252	309115	7.585	ng	97
89) Benzo(k)fluoranthene	23.274	252	309115	7.306	ng	98
90) Benzo(a)pyrene	23.921	252	206855	5.274	ng	97
92) Benzo(g,h,i)perylene	27.426	276	130324	3.262	ng	95

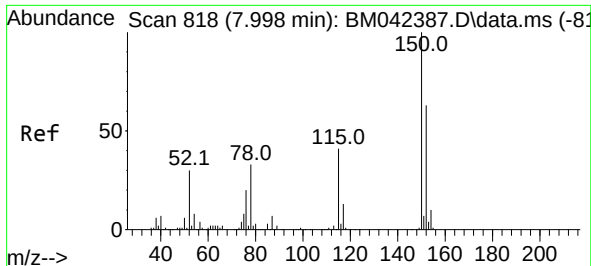
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042458.D
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Instrument :
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Quant Time: Oct 26 19:06:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration

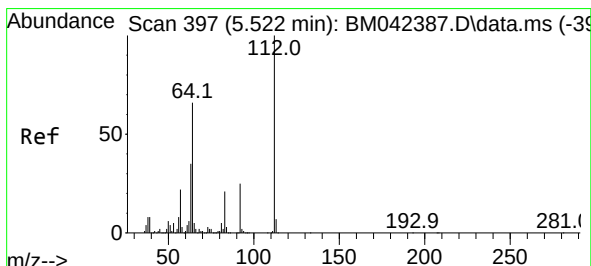
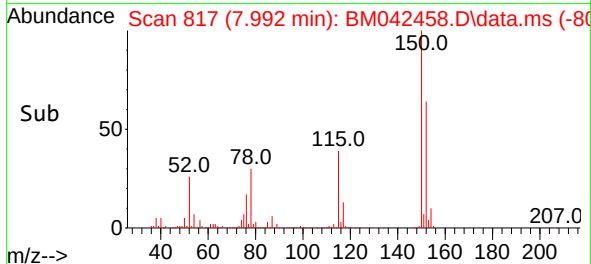
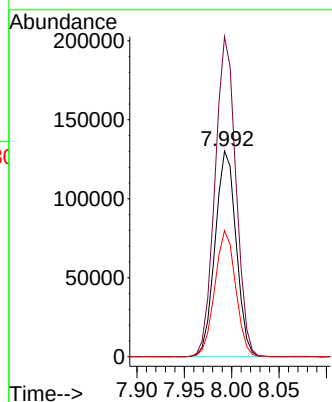
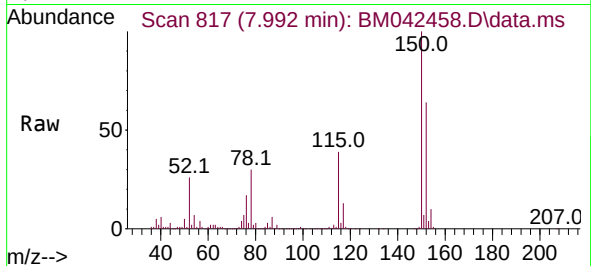




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 818
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

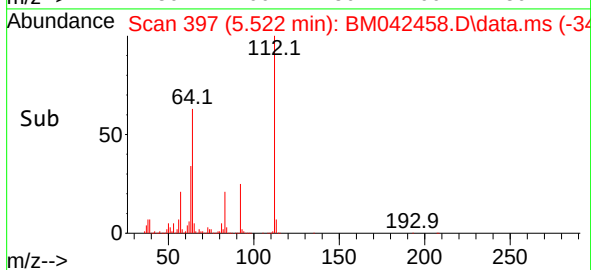
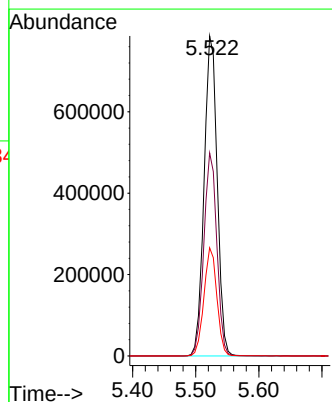
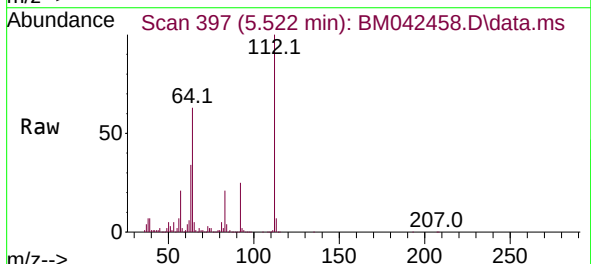
Instrument :
BNA_M
ClientSampleId :
350

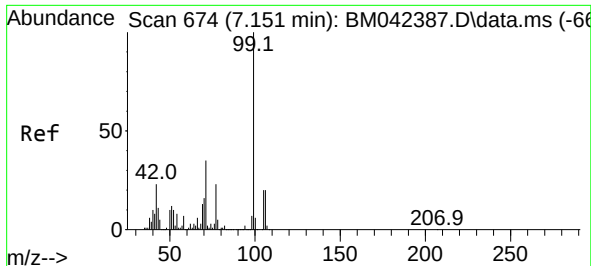
Tgt Ion:152 Resp: 201356
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.4
115 61.4 51.9 77.9



#5
2-Fluorophenol
Concen: 79.783 ng
RT: 5.522 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

Tgt Ion:112 Resp: 1136670
Ion Ratio Lower Upper
112 100
64 63.4 52.7 79.1
63 33.8 28.3 42.5

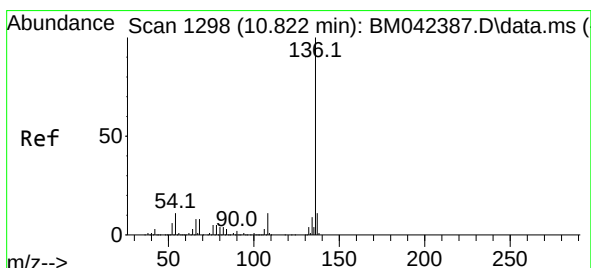
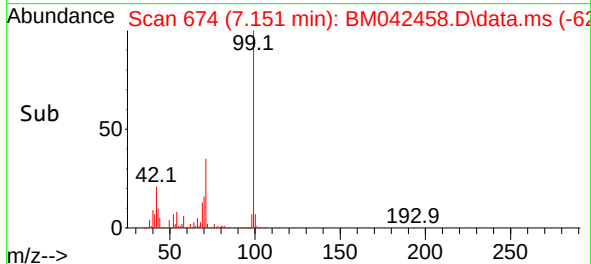
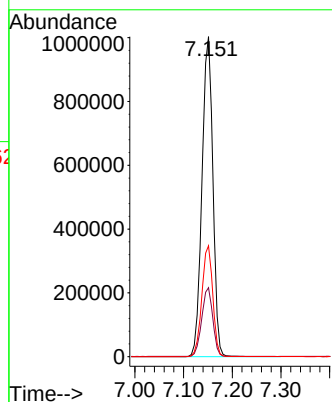
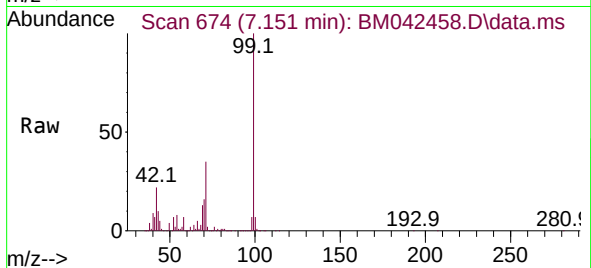




#7
Phenol-d6
Concen: 81.683 ng
RT: 7.151 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

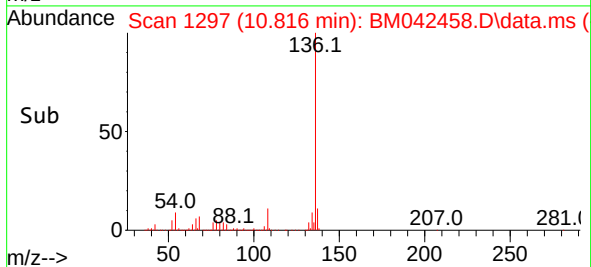
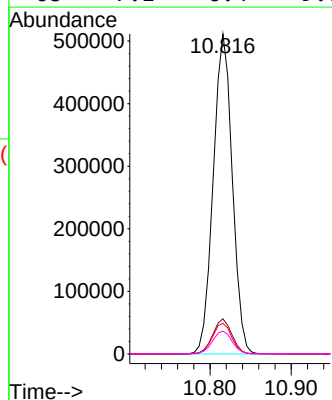
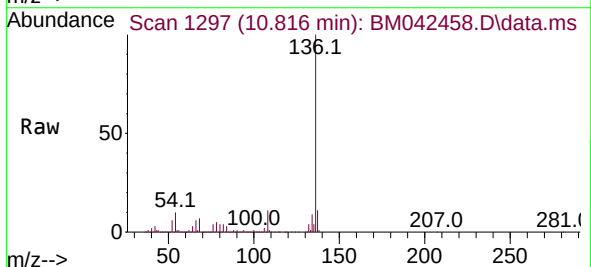
Instrument :
BNA_M
ClientSampleId :
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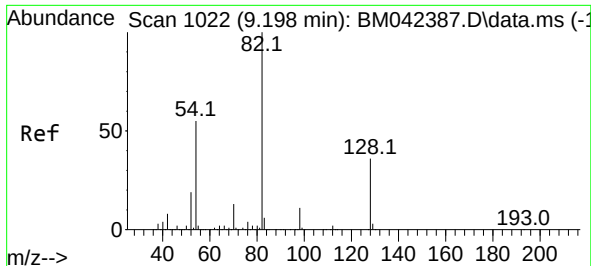
Tgt Ion: 99 Resp: 1559557
Ion Ratio Lower Upper
99 100
42 21.6 18.5 27.7
71 34.6 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

Tgt Ion: 136 Resp: 833380
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 9.5 8.6 12.8
68 7.1 6.4 9.6

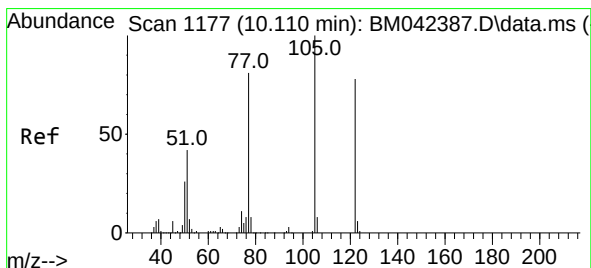
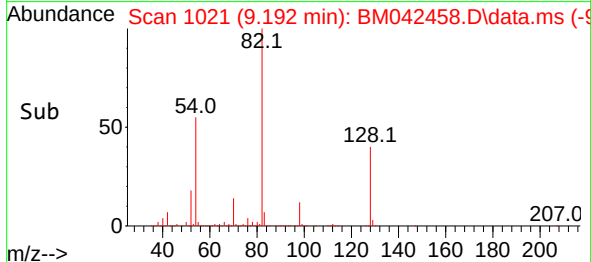
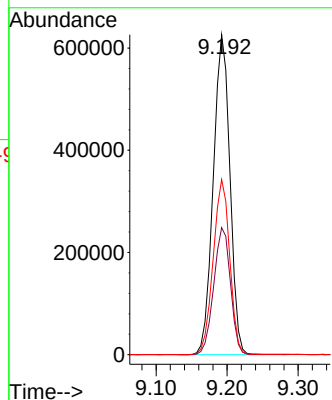
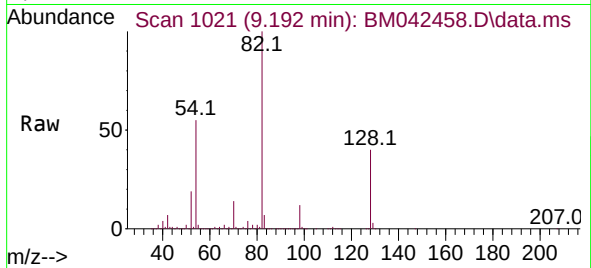




#23
Nitrobenzene-d5
Concen: 53.922 ng
RT: 9.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

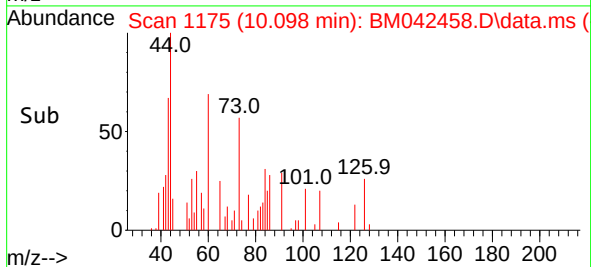
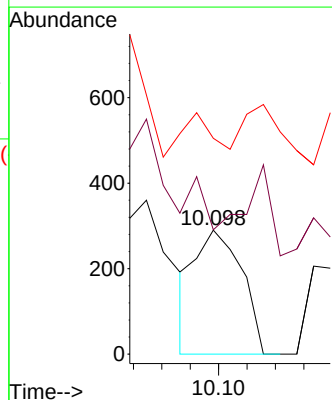
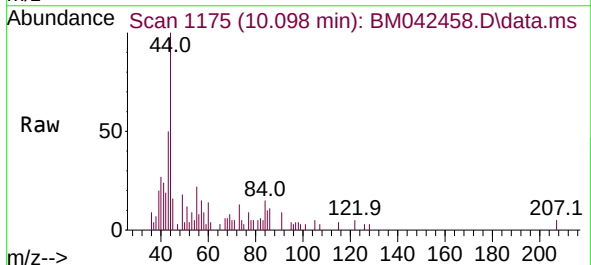
Instrument :
BNA_M
ClientSampleId :
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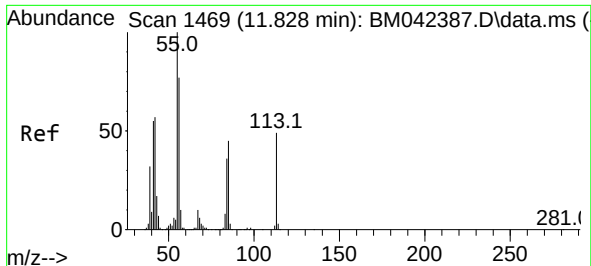
Tgt Ion: 82 Resp: 1016244
Ion Ratio Lower Upper
82 100
128 39.7 29.0 43.6
54 54.7 43.7 65.5



#32
Benzoic acid
Concen: 5.354 ng
RT: 10.098 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

Tgt Ion:122 Resp: 331
Ion Ratio Lower Upper
122 100
105 100.3 104.9 144.9#
77 174.1 83.4 123.4#

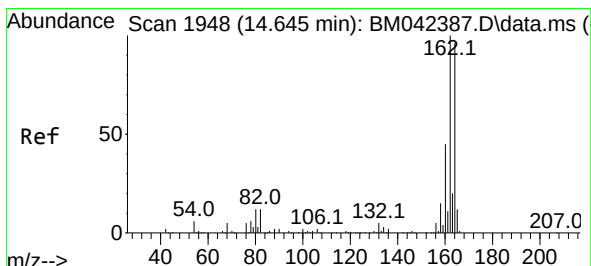
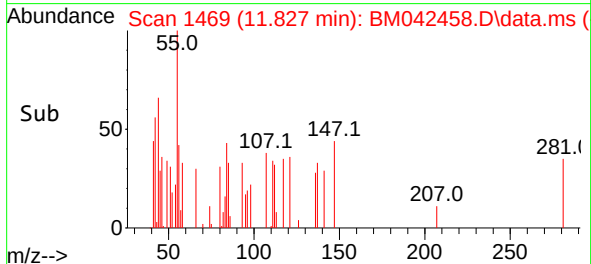
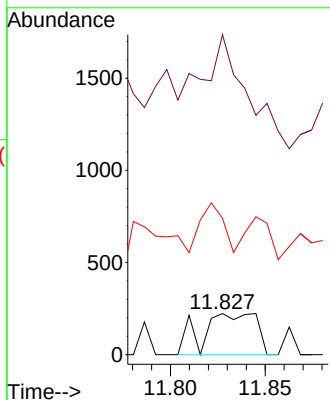
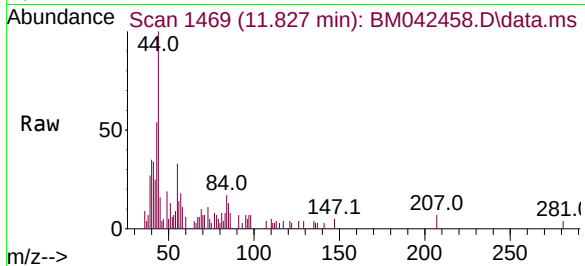




#35
Caprolactam
Concen: 6.016 ng
RT: 11.827 min Scan# 1469
Delta R.T. -0.001 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

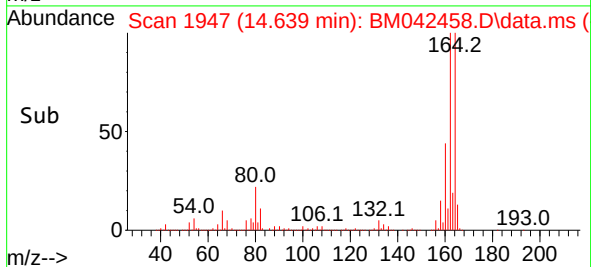
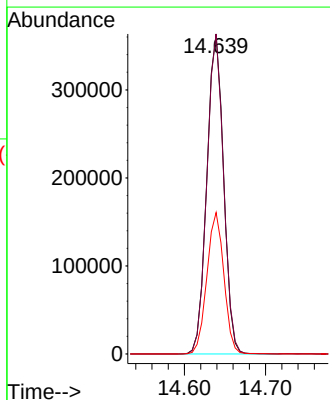
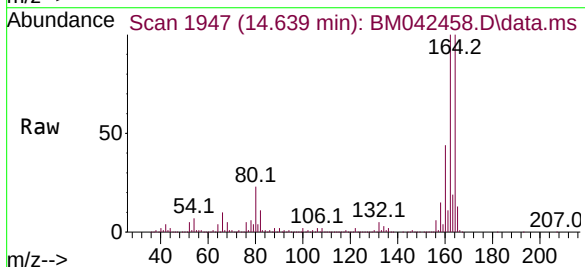
Instrument :
BNA_M
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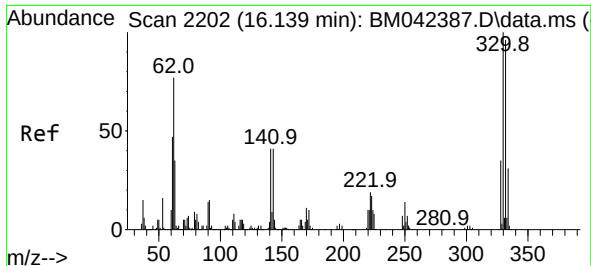
Tgt Ion:113 Resp: 446
Ion Ratio Lower Upper
113 100
55 778.5 185.6 225.6#
56 331.8 137.8 177.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.639 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

Tgt Ion:164 Resp: 520469
Ion Ratio Lower Upper
164 100
162 100.0 83.0 124.4
160 44.2 37.0 55.4

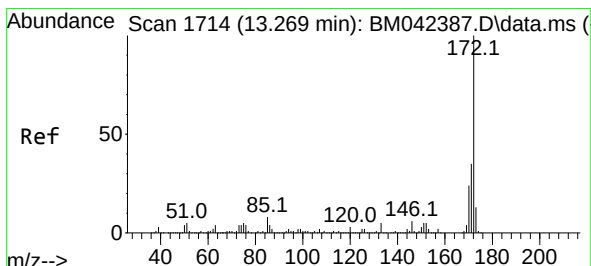
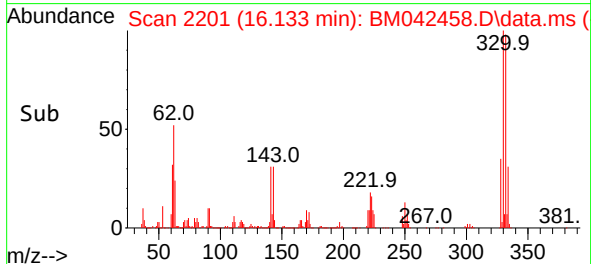
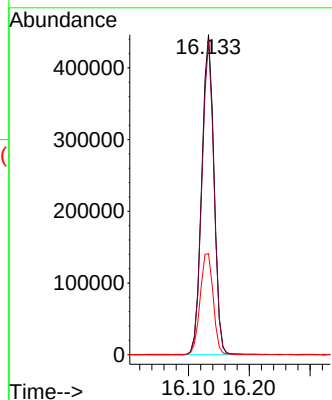
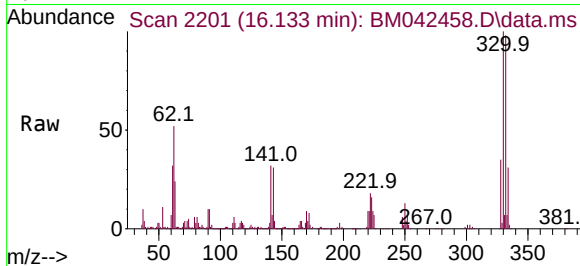




#42
2,4,6-Tribromophenol
Concen: 109.550 ng
RT: 16.133 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

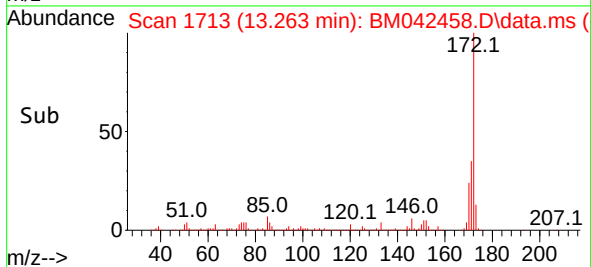
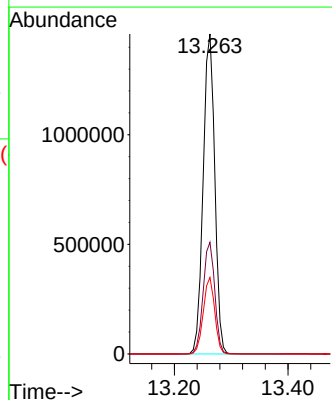
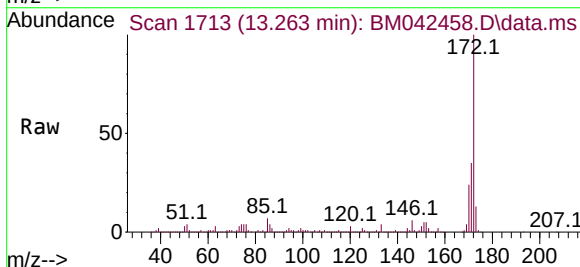
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BNA_M
ClientSampleId :
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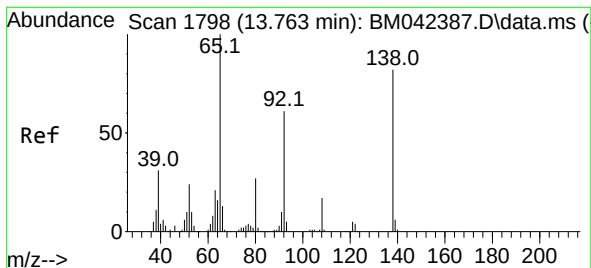
Tgt Ion:330 Resp: 620685
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 33.5 38.0 57.0#



#45
2-Fluorobiphenyl
Concen: 53.556 ng
RT: 13.263 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

Tgt Ion:172 Resp: 2069966
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.9 18.9 28.3





#48

2-Nitroaniline

Concen: 3.649 ng

RT: 13.792 min Scan# 1

Delta R.T. 0.029 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

Instrument :

BNA_M

ClientSampleId :

350

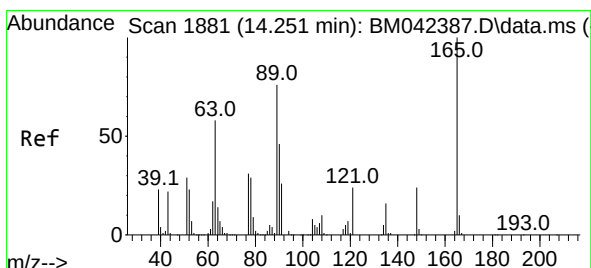
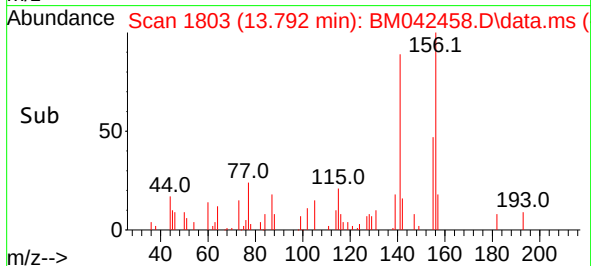
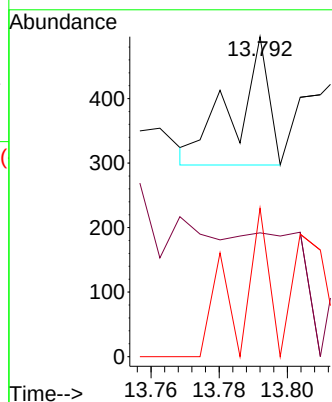
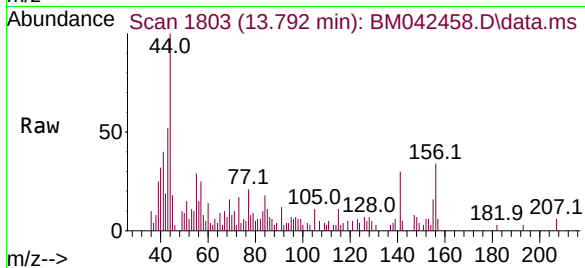
Tgt Ion: 65 Resp: 137

Ion Ratio Lower Upper

65 100

92 38.7 49.0 73.6#

138 46.4 65.5 98.3#



#51

2,6-Dinitrotoluene

Concen: 2.900 ng

RT: 14.239 min Scan# 1879

Delta R.T. -0.012 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

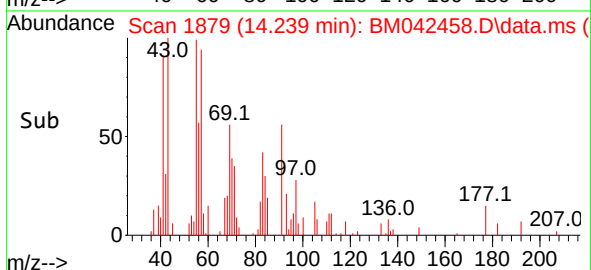
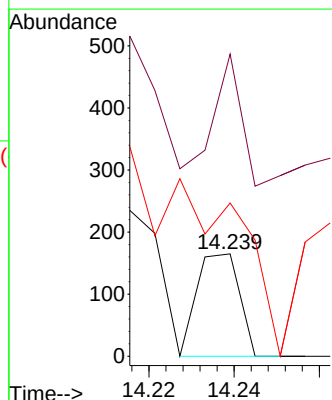
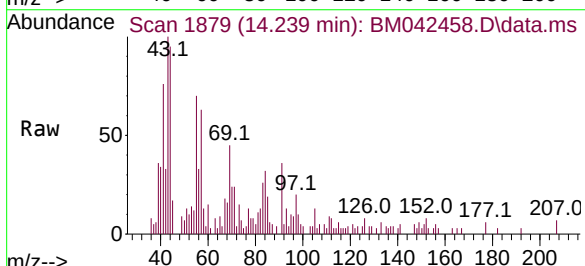
Tgt Ion:165 Resp: 115

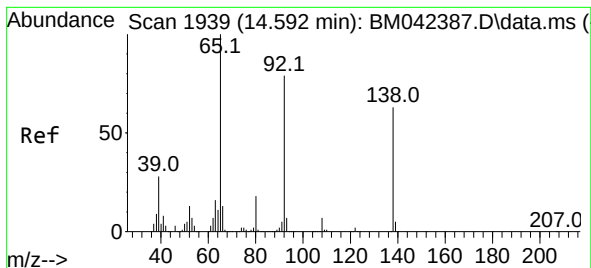
Ion Ratio Lower Upper

165 100

63 295.2 65.3 97.9#

89 149.7 60.6 91.0#

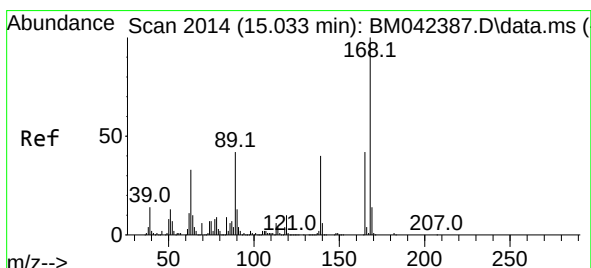
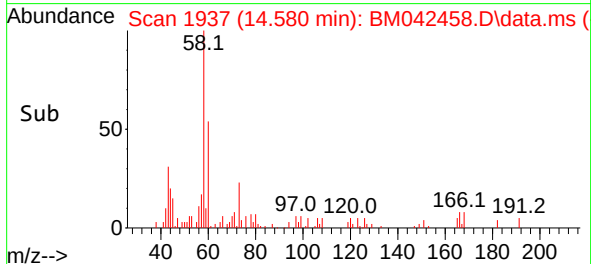
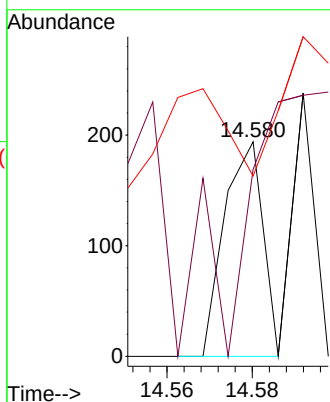
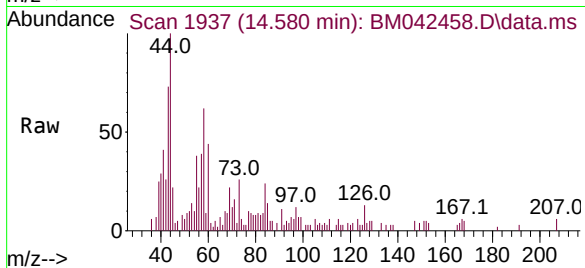




#53
3-Nitroaniline
Concen: 3.276 ng
RT: 14.580 min Scan# 1939
Delta R.T. -0.012 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

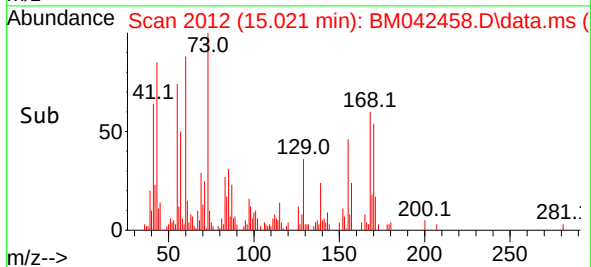
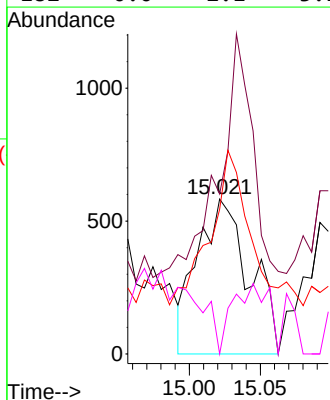
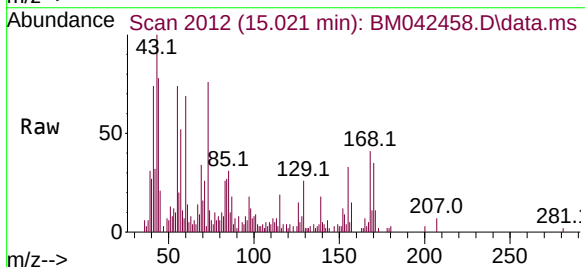
Instrument :
BNA_M
ClientSampleId :
350

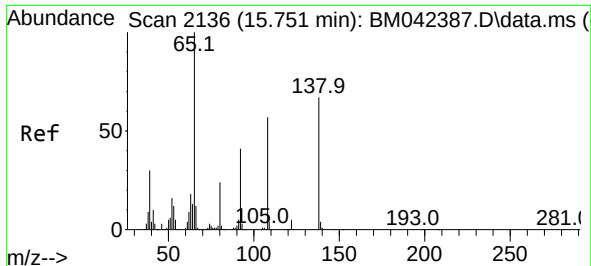
Tgt Ion:138 Resp: 121
Ion Ratio Lower Upper
138 100
108 87.1 8.3 12.5#
92 84.0 100.6 151.0#



#57
2,4-Dinitrotoluene
Concen: 4.182 ng
RT: 15.021 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

Tgt Ion:165 Resp: 1488
Ion Ratio Lower Upper
165 100
63 103.3 62.9 94.3#
89 93.3 80.2 120.2
182 0.0 2.1 3.1#

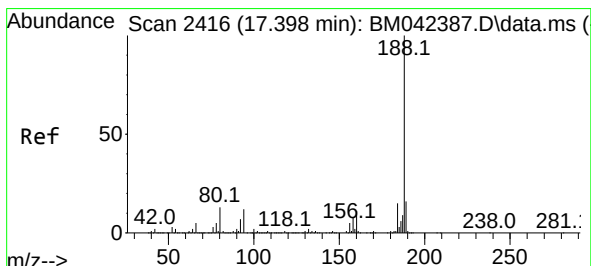
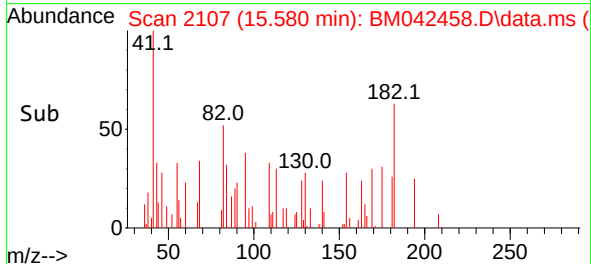
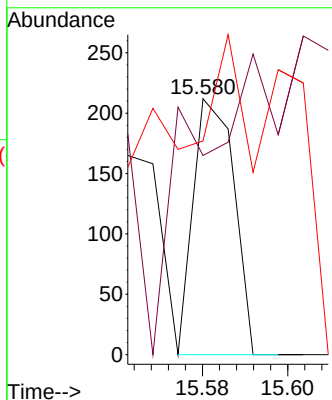
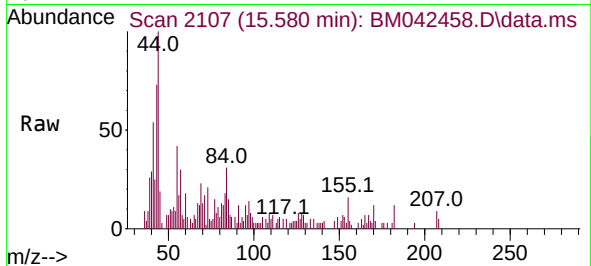




#62
4-Nitroaniline
Concen: 3.814 ng
RT: 15.580 min Scan# 2136
Delta R.T. -0.171 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

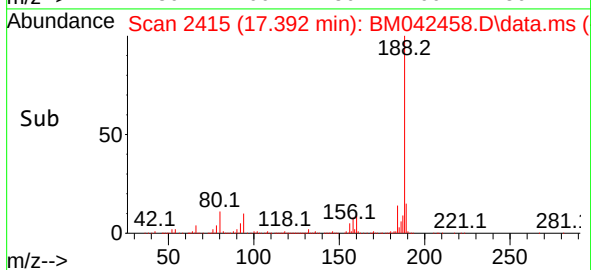
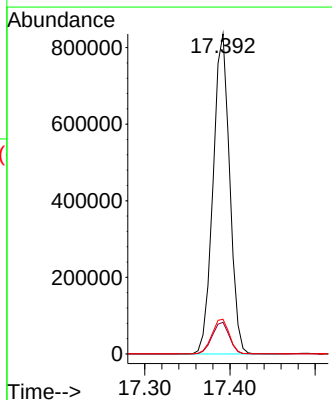
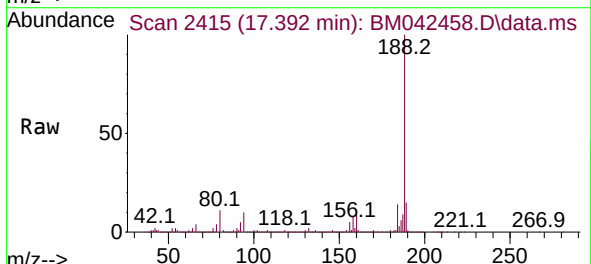
Instrument :
BNA_M
ClientSampleId :
350

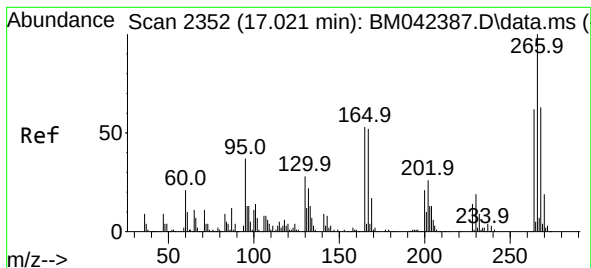
Tgt Ion:138 Resp: 141
Ion Ratio Lower Upper
138 100
92 77.8 40.4 80.4
108 83.5 65.3 105.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.392 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

Tgt Ion:188 Resp: 1132898
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.0
80 10.9 10.7 16.1





#70

Pentachlorophenol

Concen: 6.166 ng

RT: 17.021 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

Instrument :

BNA_M

ClientSampleId :

350

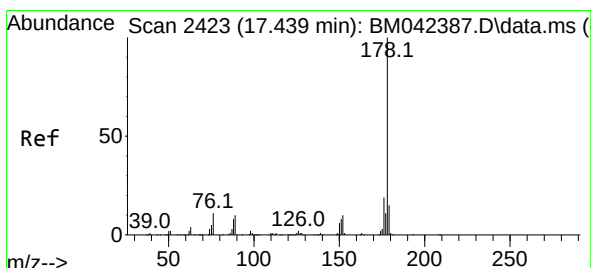
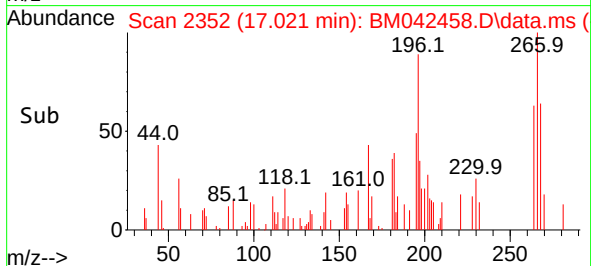
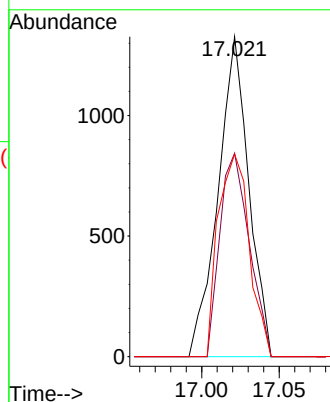
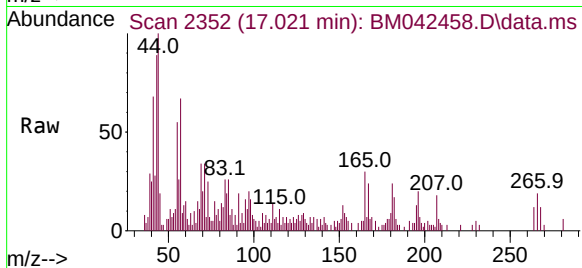
Tgt Ion:266 Resp: 1826

Ion Ratio Lower Upper

266 100

268 63.6 50.6 76.0

264 63.3 49.4 74.0



#71

Phenanthrene

Concen: 8.964 ng

RT: 17.433 min Scan# 2422

Delta R.T. -0.006 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

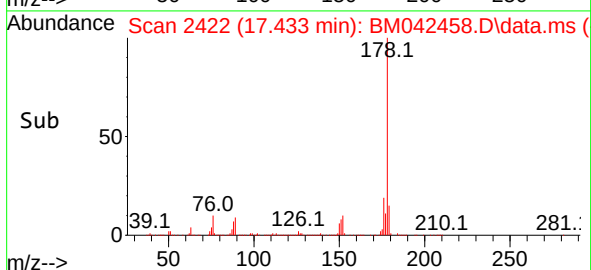
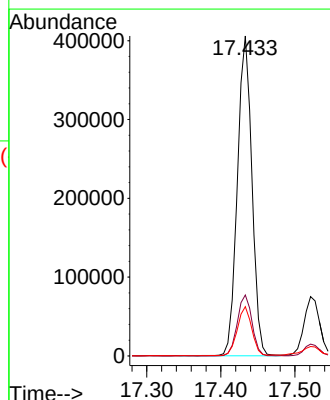
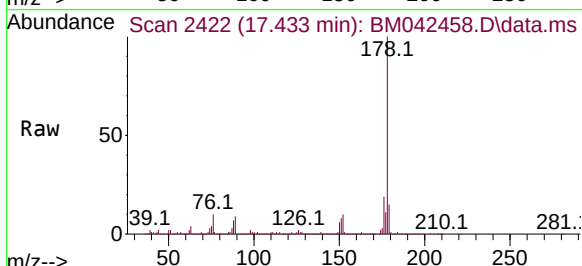
Tgt Ion:178 Resp: 552440

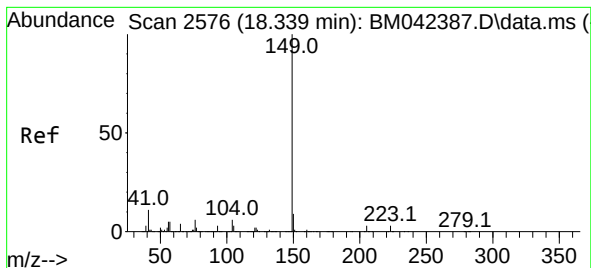
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.4 12.3 18.5





#74

Di-n-butylphthalate

Concen: 3.474 ng

RT: 18.327 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

Instrument :

BNA_M

ClientSampleId :

350

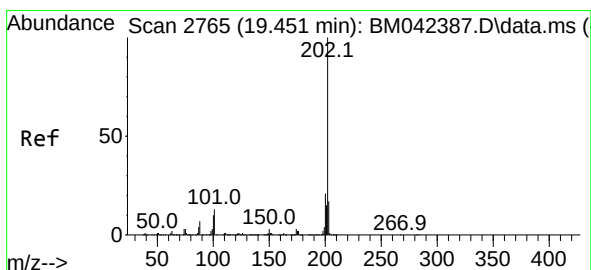
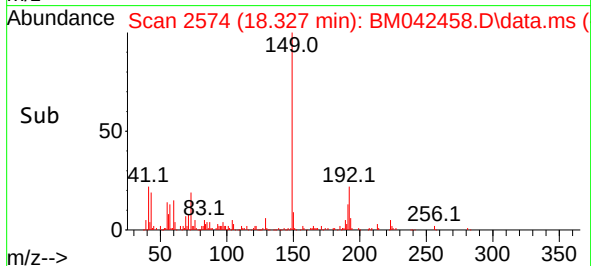
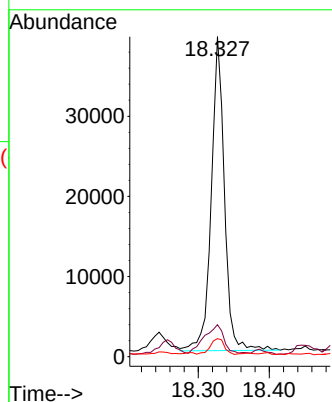
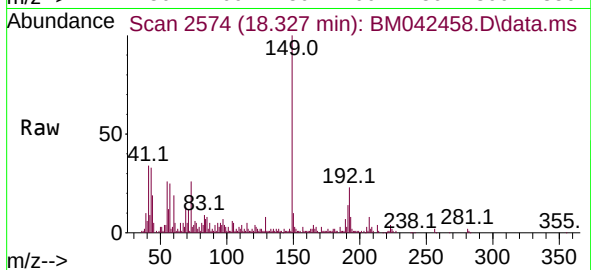
Tgt Ion:149 Resp: 50552

Ion Ratio Lower Upper

149 100

150 10.0 7.4 11.0

104 5.6 4.6 7.0



#75

Fluoranthene

Concen: 13.570 ng

RT: 19.445 min Scan# 2764

Delta R.T. -0.006 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

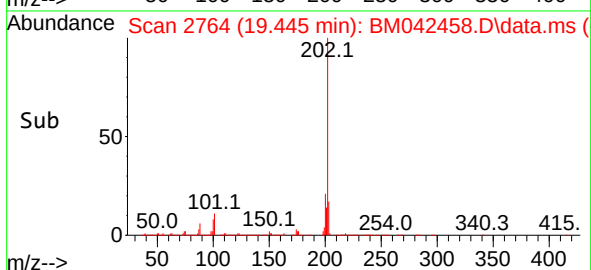
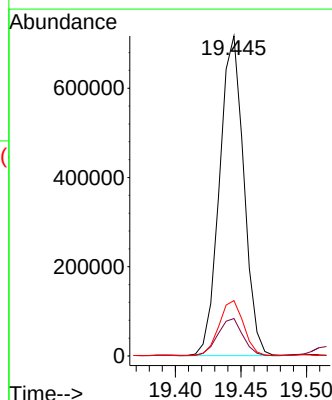
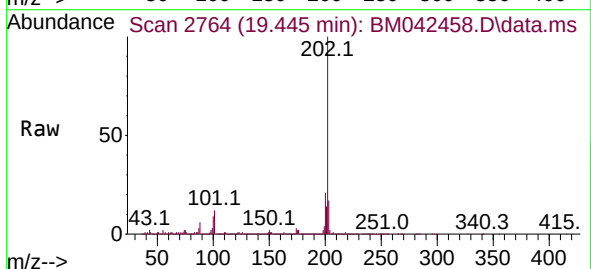
Tgt Ion:202 Resp: 921041

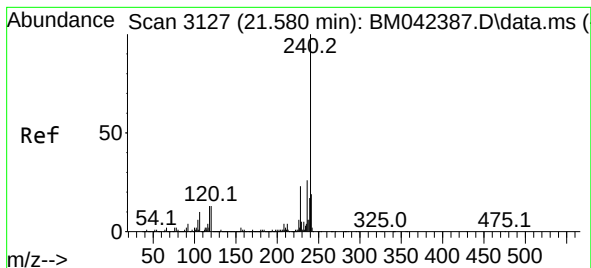
Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.3

203 17.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.568 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

Instrument :

BNA_M

ClientSampleId :

350

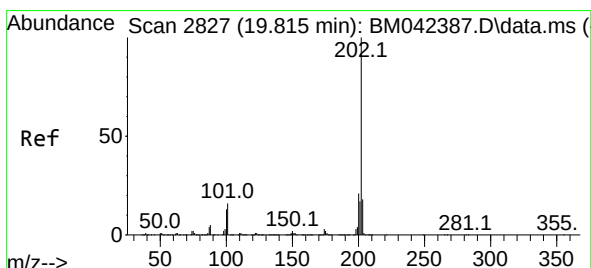
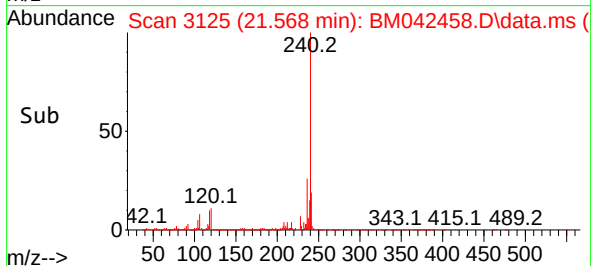
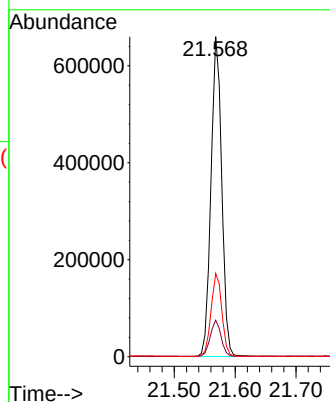
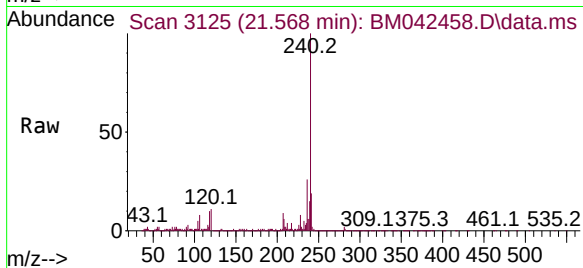
Tgt Ion:240 Resp: 810473

Ion Ratio Lower Upper

240 100

120 11.4 10.7 16.1

236 26.0 20.7 31.1



#78

Pyrene

Concen: 15.766 ng

RT: 19.809 min Scan# 2826

Delta R.T. -0.006 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

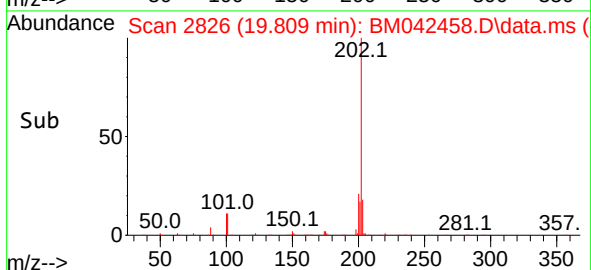
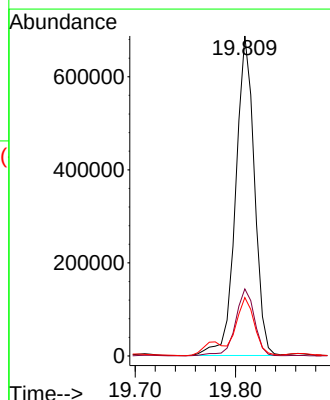
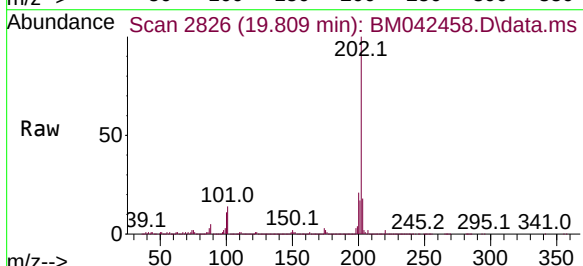
Tgt Ion:202 Resp: 892895

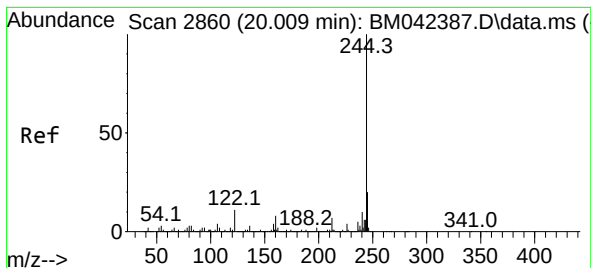
Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 18.2 14.1 21.1





#79

Terphenyl-d14

Concen: 71.285 ng

RT: 20.003 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

Instrument :

BNA_M

ClientSampleId :

350

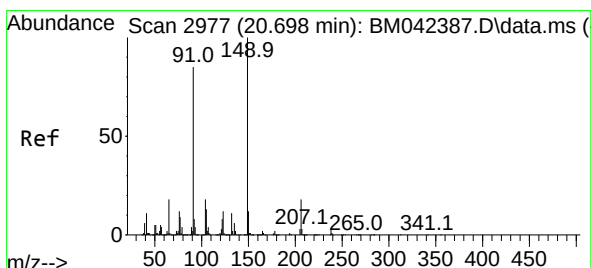
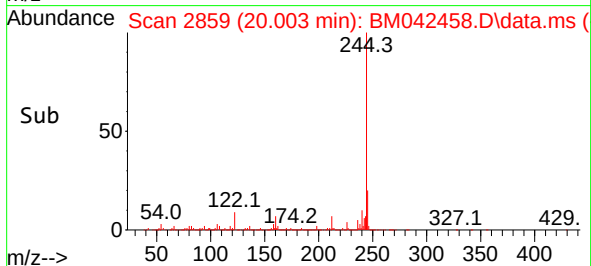
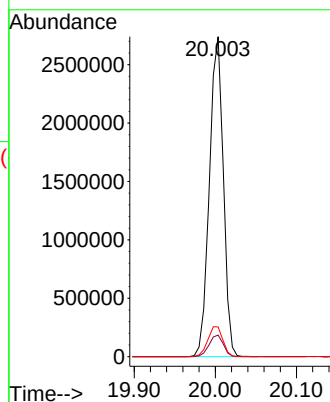
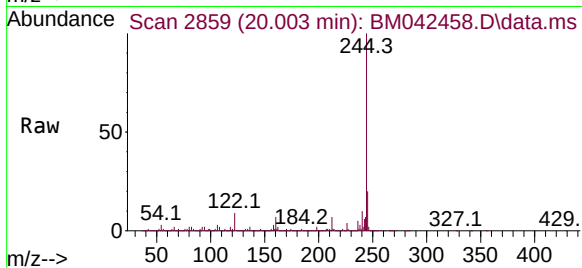
Tgt Ion:244 Resp: 3257693

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 9.3 8.8 13.2



#80

Butylbenzylphthalate

Concen: 3.318 ng

RT: 20.686 min Scan# 2975

Delta R.T. -0.012 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

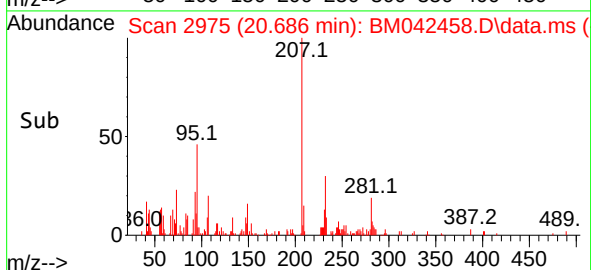
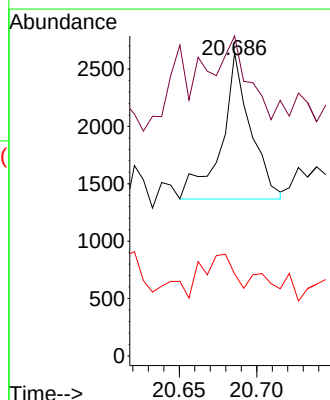
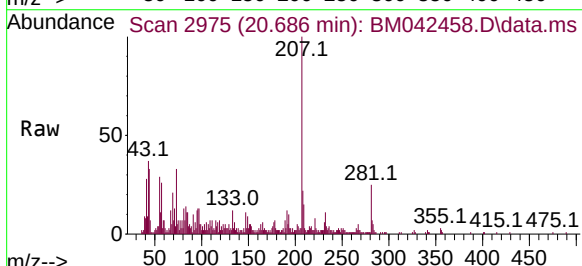
Tgt Ion:149 Resp: 1652

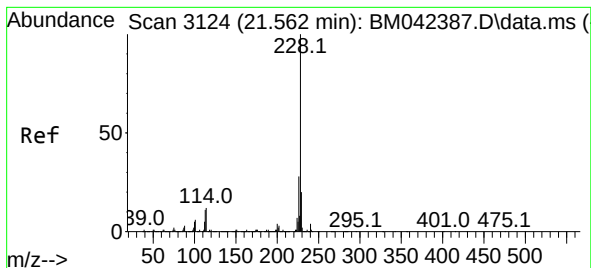
Ion Ratio Lower Upper

149 100

91 105.6 68.3 102.5#

206 27.1 14.6 22.0#





#81

Benzo(a)anthracene

Concen: 5.911 ng

RT: 21.550 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

Instrument :

BNA_M

ClientSampleId :

350

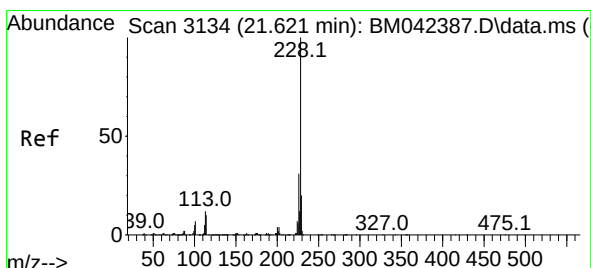
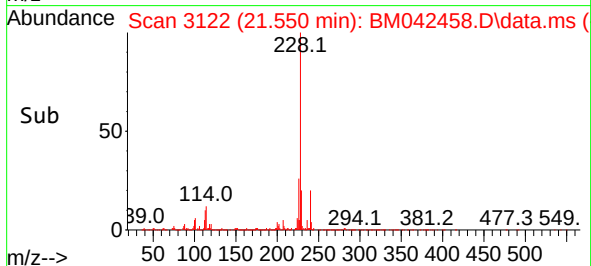
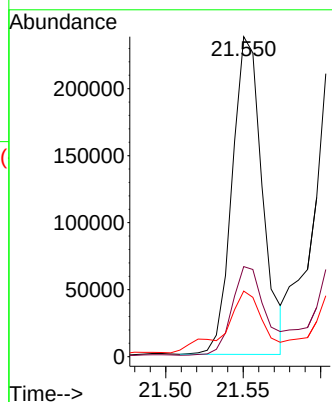
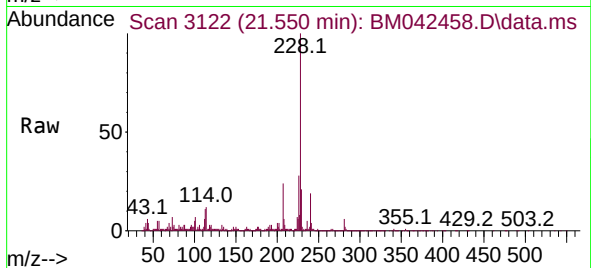
Tgt Ion:228 Resp: 321142

Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.4

229 20.5 15.7 23.5



#83

Chrysene

Concen: 6.628 ng

RT: 21.609 min Scan# 3132

Delta R.T. -0.012 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

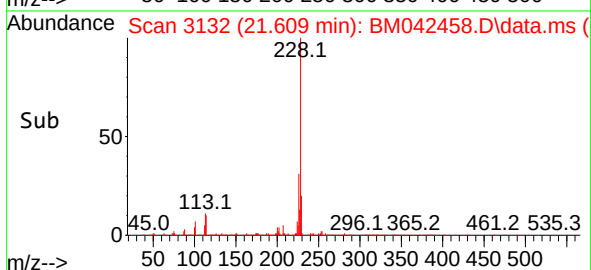
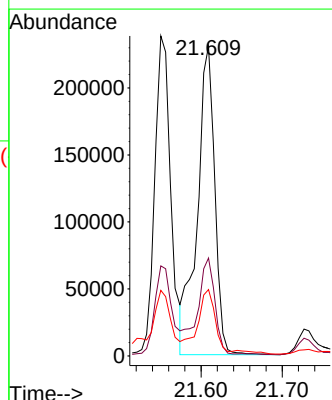
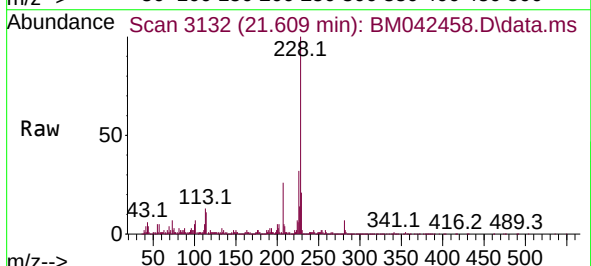
Tgt Ion:228 Resp: 345852

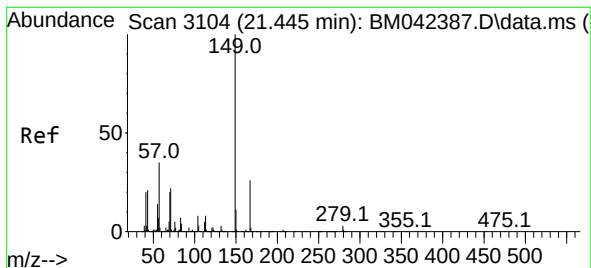
Ion Ratio Lower Upper

228 100

226 31.6 24.6 36.8

229 21.4 15.7 23.5

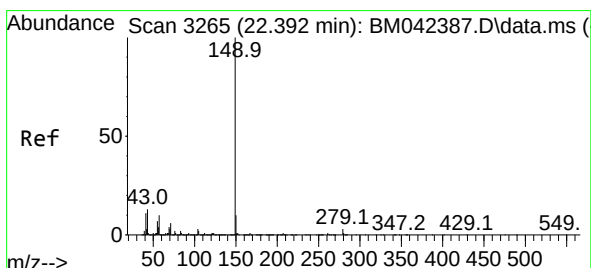
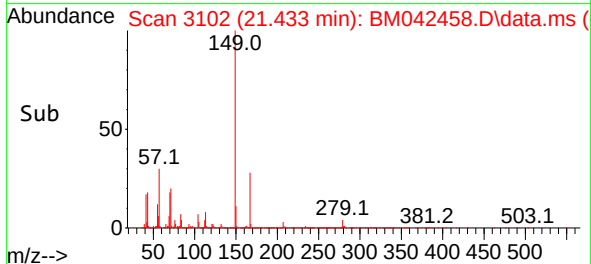
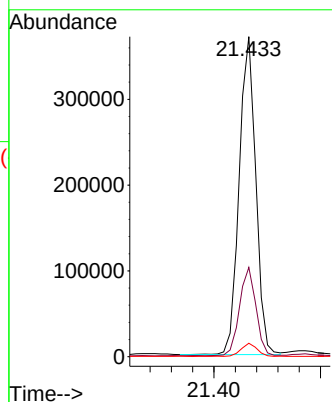
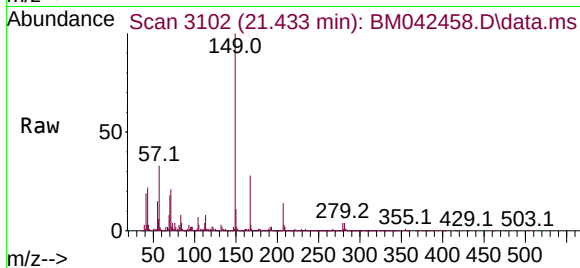




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 13.640 ng
 RT: 21.433 min Scan# 3104
 Delta R.T. -0.012 min
 Lab File: BM042458.D
 Acq: 26 Oct 2023 18:32

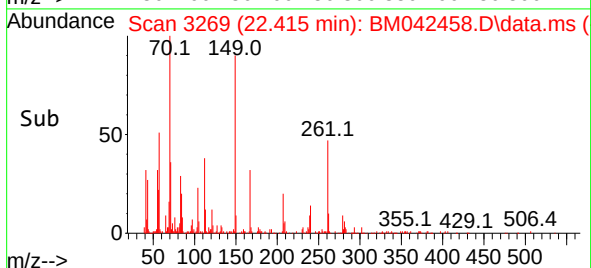
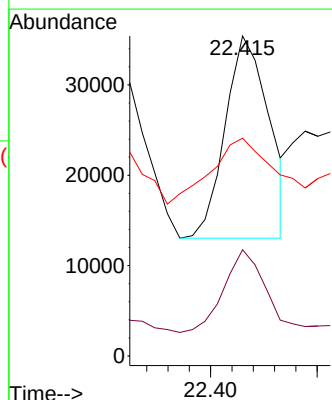
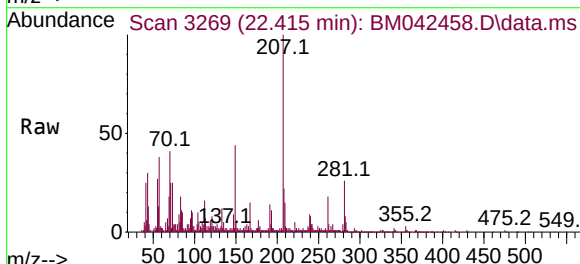
Instrument :
 BNA_M
 ClientSampleId :
 350

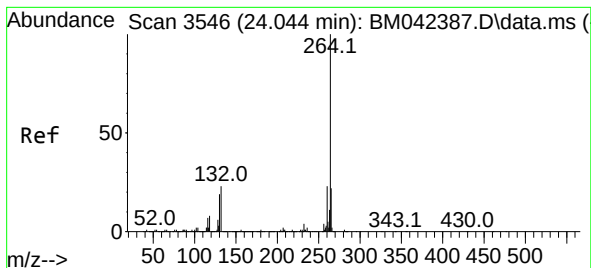
Tgt Ion:149 Resp: 403158
 Ion Ratio Lower Upper
 149 100
 167 27.9 20.9 31.3
 279 4.2 2.7 4.1#



#85
 Di-n-octyl phthalate
 Concen: 4.682 ng
 RT: 22.415 min Scan# 3269
 Delta R.T. 0.023 min
 Lab File: BM042458.D
 Acq: 26 Oct 2023 18:32

Tgt Ion:149 Resp: 31929
 Ion Ratio Lower Upper
 149 100
 167 39.1 1.2 1.8#
 43 46.9 11.0 16.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.033 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

Instrument :

BNA_M

ClientSampleId :

350

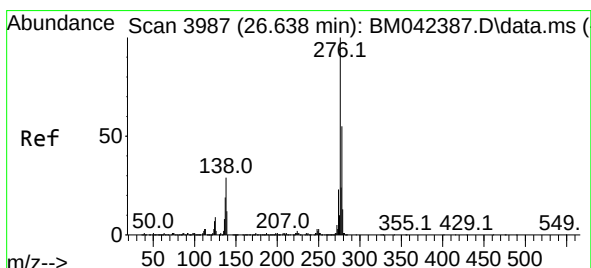
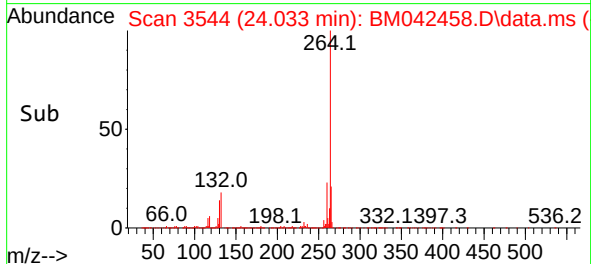
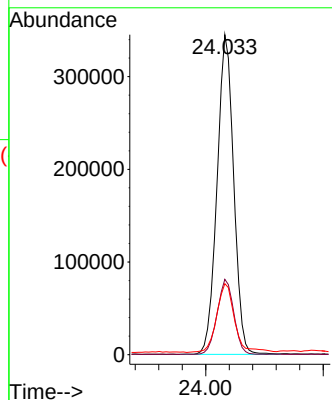
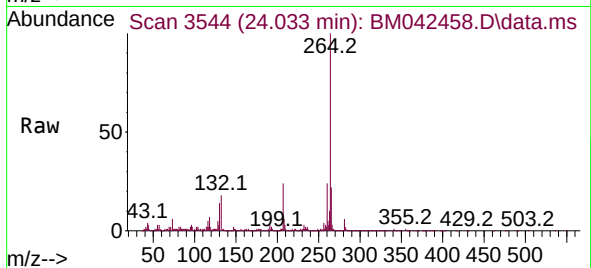
Tgt Ion:264 Resp: 677020

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 22.2 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.687 ng

RT: 26.609 min Scan# 3982

Delta R.T. -0.030 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

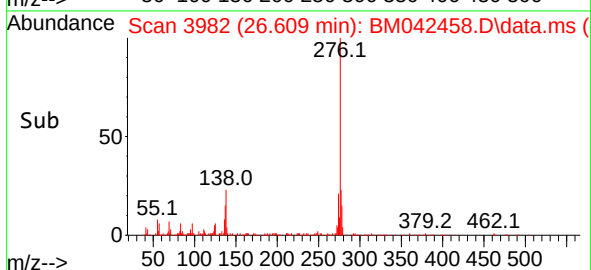
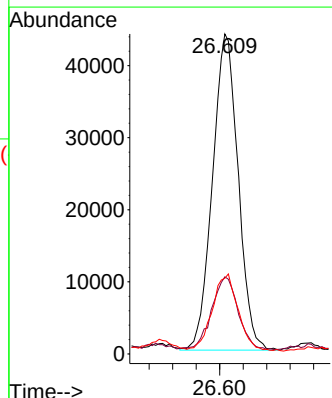
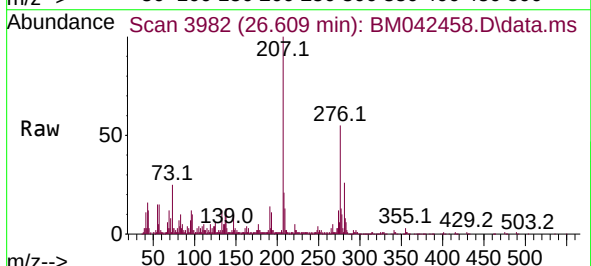
Tgt Ion:276 Resp: 132921

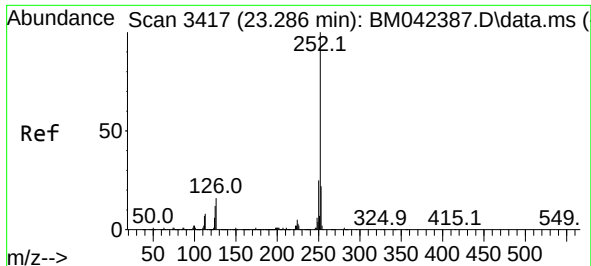
Ion Ratio Lower Upper

276 100

138 24.0 25.6 38.4#

277 24.1 20.0 30.0

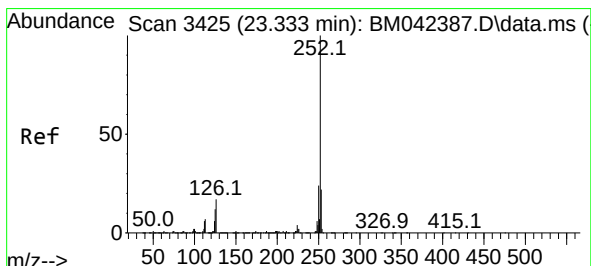
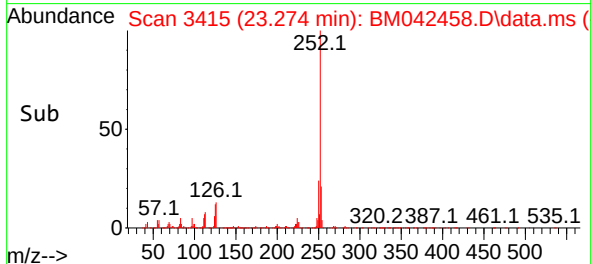
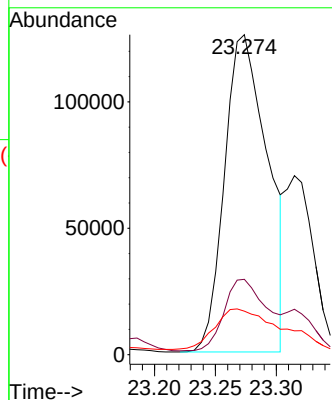
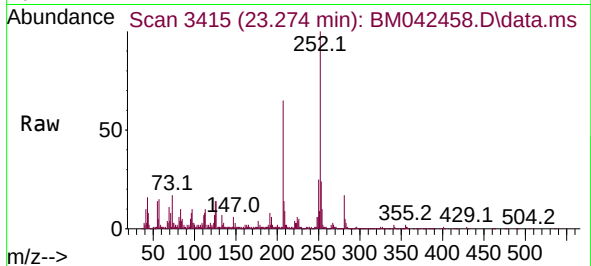




#88
Benzo(b)fluoranthene
Concen: 7.585 ng
RT: 23.274 min Scan# 3415
Delta R.T. -0.012 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

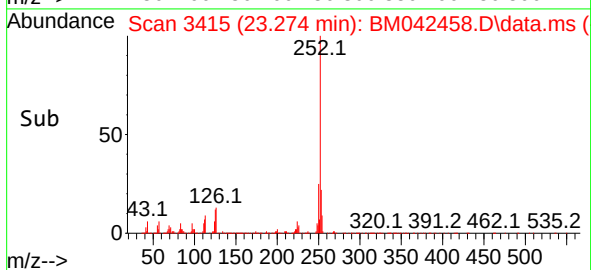
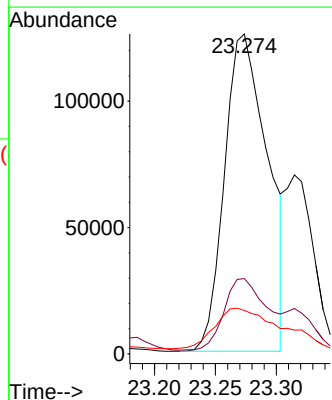
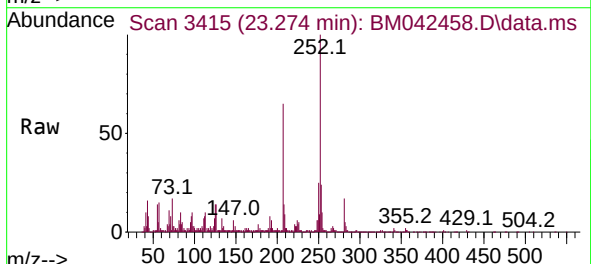
Instrument :
BNA_M
ClientSampleId :
350

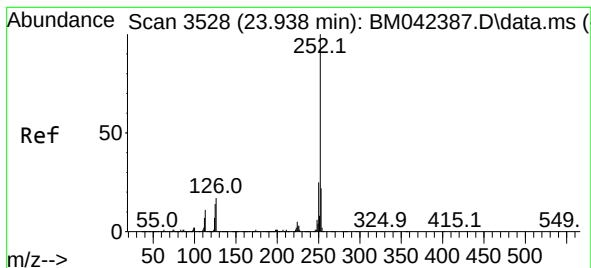
Tgt Ion:252 Resp: 309115
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 13.6 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 7.306 ng
RT: 23.274 min Scan# 3415
Delta R.T. -0.059 min
Lab File: BM042458.D
Acq: 26 Oct 2023 18:32

Tgt Ion:252 Resp: 309115
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 13.6 10.2 15.2





#90

Benzo(a)pyrene

Concen: 5.274 ng

RT: 23.921 min Scan# 3525

Delta R.T. -0.018 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

Instrument :

BNA_M

ClientSampleId :

350

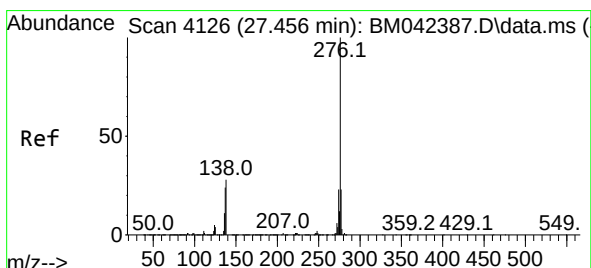
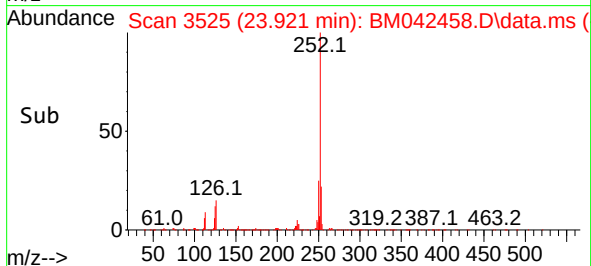
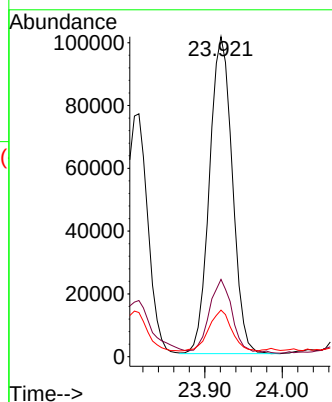
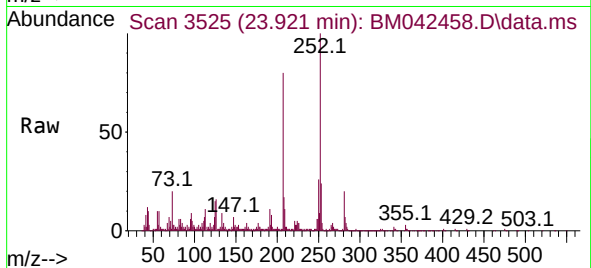
Tgt Ion:252 Resp: 206855

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

125 14.6 10.9 16.3



#92

Benzo(g,h,i)perylene

Concen: 3.262 ng

RT: 27.426 min Scan# 4121

Delta R.T. -0.029 min

Lab File: BM042458.D

Acq: 26 Oct 2023 18:32

Tgt Ion:276 Resp: 130324

Ion Ratio Lower Upper

276 100

277 25.3 18.3 27.5

138 25.3 22.6 34.0

