

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
 Data File : BM042441.D
 Acq On : 25 Oct 2023 17:12
 Operator : MA/JU
 Sample : 04941-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-12017

Quant Time: Oct 25 18:05:16 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)

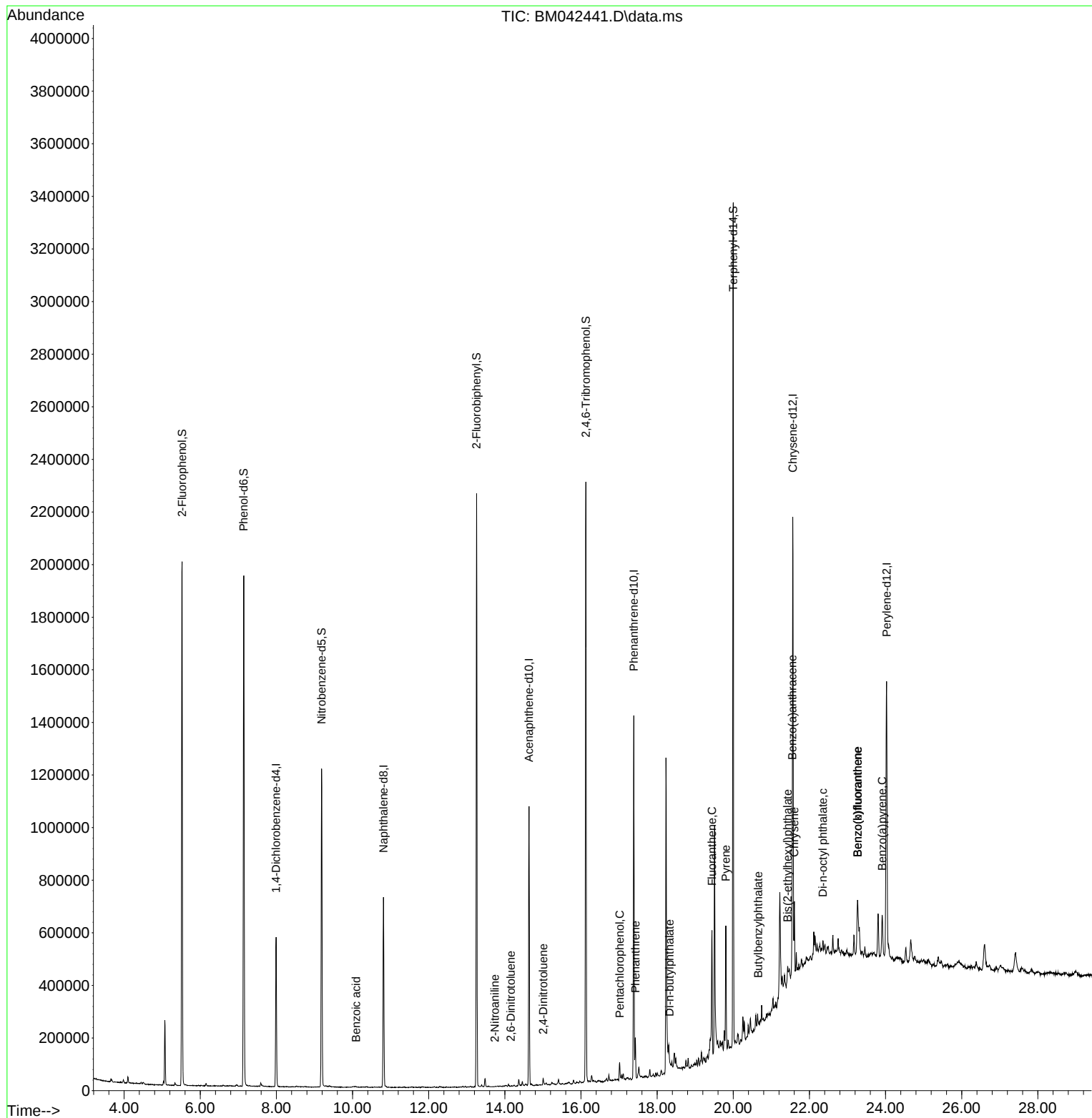
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	142827	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	557732	20.000	ng	-0.01
39) Acenaphthene-d10	14.633	164	335511	20.000	ng	-0.01
64) Phenanthrene-d10	17.386	188	752704	20.000	ng	-0.01
76) Chrysene-d12	21.562	240	753264	20.000	ng	-0.02
86) Perylene-d12	24.027	264	794858	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	800663	79.228	ng	0.00
7) Phenol-d6	7.139	99	1061552	78.384	ng	-0.01
23) Nitrobenzene-d5	9.186	82	674335	53.464	ng	-0.01
42) 2,4,6-Tribromophenol	16.127	330	375058	103.269	ng	-0.01
45) 2-Fluorobiphenyl	13.257	172	1052905	42.260	ng	-0.01
79) Terphenyl-d14	19.997	244	1488313	35.041	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	10.092	122	122	5.341	ng	# 1
48) 2-Nitroaniline	13.733	65	57	3.646	ng	# 13
51) 2,6-Dinitrotoluene	14.157	165	81	2.901	ng	# 10
57) 2,4-Dinitrotoluene	15.009	165	202	4.088	ng	# 6
70) Pentachlorophenol	17.015	266	11257	7.659	ng	99
71) Phenanthrene	17.427	178	85382	2.085	ng	99
74) Di-n-butylphthalate	18.327	149	3211	2.880	ng	# 93
75) Fluoranthene	19.439	202	263900	5.852	ng	98
78) Pyrene	19.803	202	267183	5.076	ng	99
80) Butylbenzylphthalate	20.656	149	444	3.276	ng	# 41
81) Benzo(a)anthracene	21.550	228	143765	2.847	ng	98
83) Chrysene	21.603	228	146713	3.025	ng	98
84) Bis(2-ethylhexyl)phtha...	21.427	149	14995	3.780	ng	# 98
85) Di-n-octyl phthalate	22.350	149	1303	4.239	ng	# 1
88) Benzo(b)fluoranthene	23.268	252	175427	3.667	ng	97
89) Benzo(k)fluoranthene	23.268	252	175427	3.532	ng	97
90) Benzo(a)pyrene	23.909	252	117587	2.553	ng	98

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

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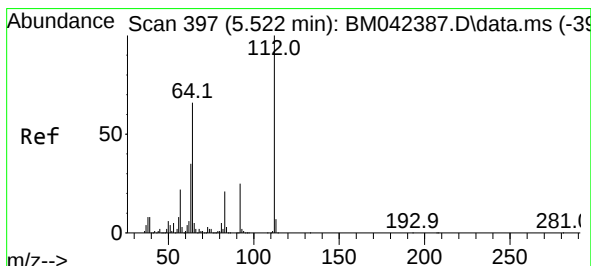
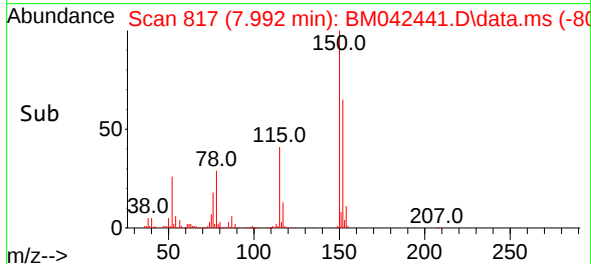
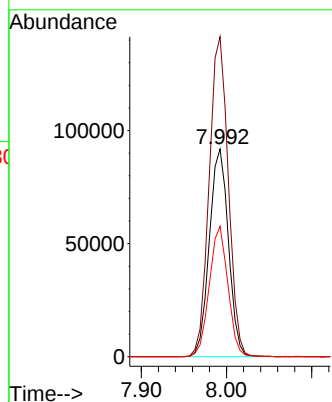
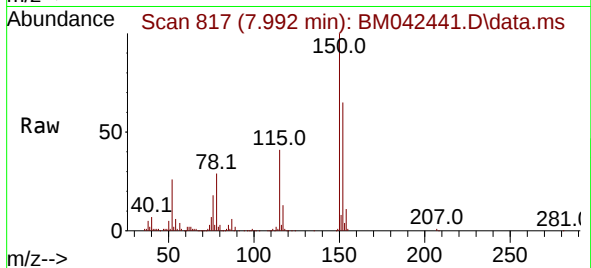




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 818
Delta R.T. -0.006 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

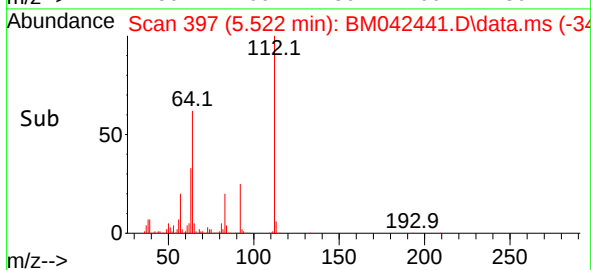
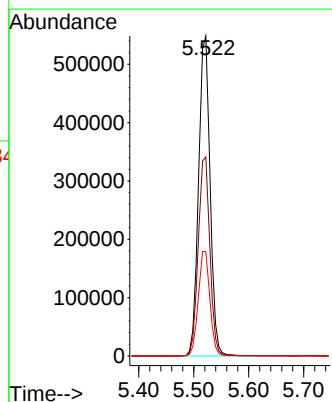
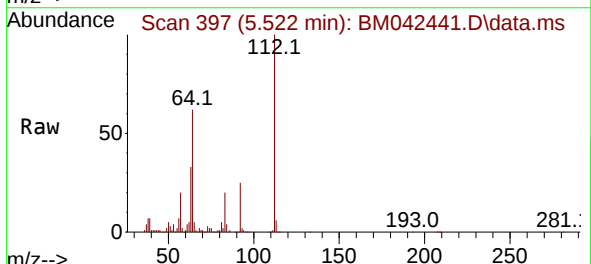
Instrument :
BNA_M
ClientSampleId :
72-12017

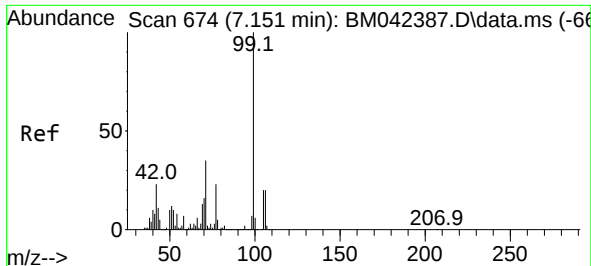
Tgt Ion:152 Resp: 142827
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.4
115 62.8 51.9 77.9



#5
2-Fluorophenol
Concen: 79.228 ng
RT: 5.522 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion:112 Resp: 800663
Ion Ratio Lower Upper
112 100
64 62.2 52.7 79.1
63 32.6 28.3 42.5

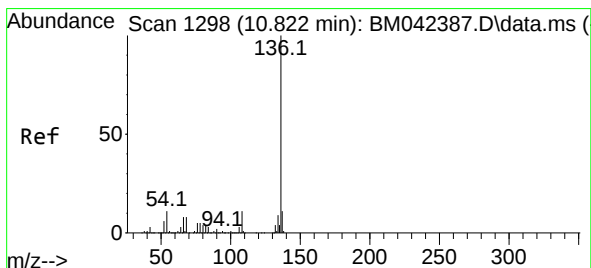
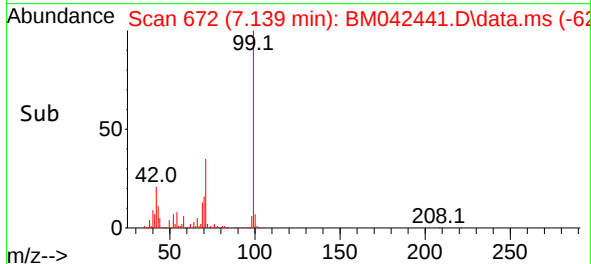
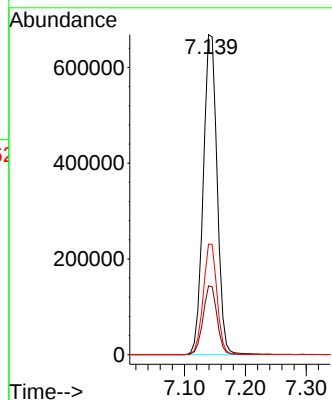
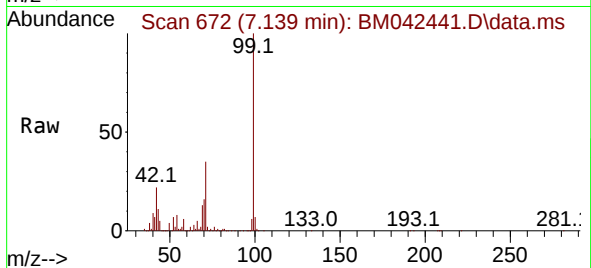




#7
Phenol-d6
Concen: 78.384 ng
RT: 7.139 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

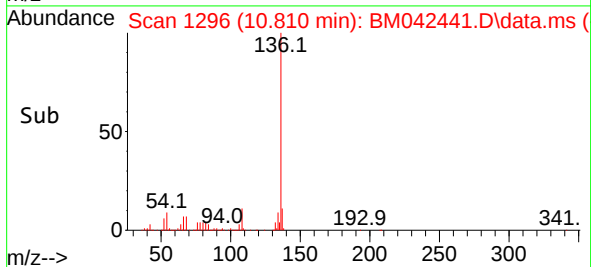
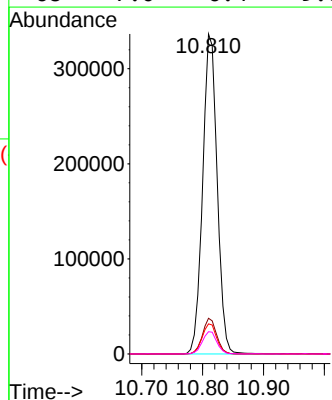
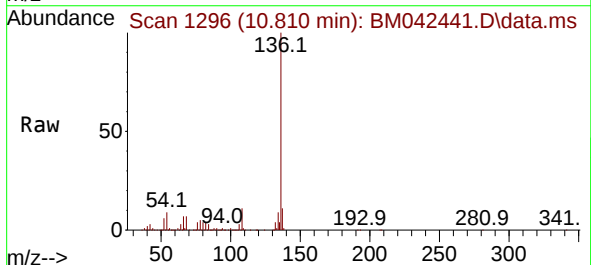
Instrument :
BNA_M
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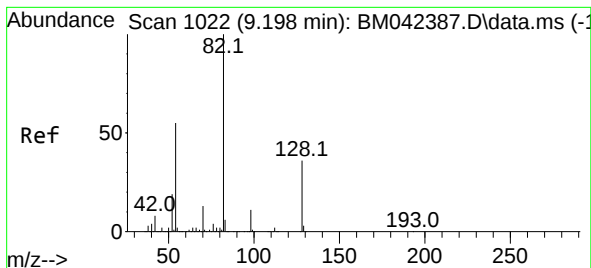
Tgt Ion: 99 Resp: 1061552
Ion Ratio Lower Upper
99 100
42 21.5 18.5 27.7
71 34.6 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1296
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion:136 Resp: 557732
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 9.4 8.6 12.8
68 7.0 6.4 9.6





#23

Nitrobenzene-d5

Concen: 53.464 ng

RT: 9.186 min Scan# 110

Delta R.T. -0.012 min

Lab File: BM042441.D

Acq: 25 Oct 2023 17:12

Instrument :

BNA_M

ClientSampleId :

72-12017

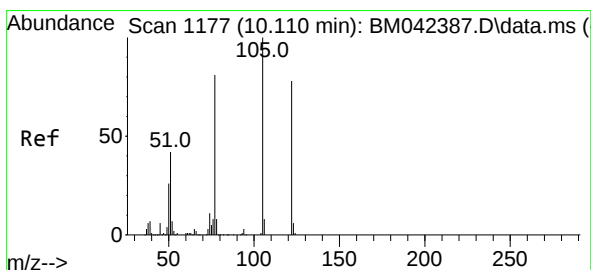
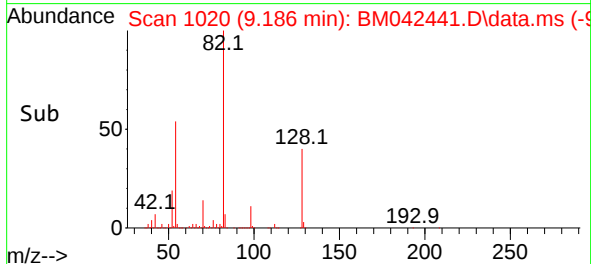
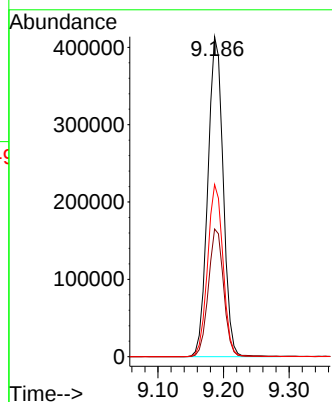
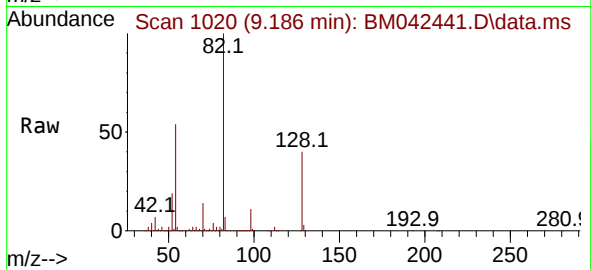
Tgt Ion: 82 Resp: 674335

Ion Ratio Lower Upper

82 100

128 39.9 29.0 43.6

54 53.8 43.7 65.5



#32

Benzoic acid

Concen: 5.341 ng

RT: 10.092 min Scan# 1174

Delta R.T. -0.018 min

Lab File: BM042441.D

Acq: 25 Oct 2023 17:12

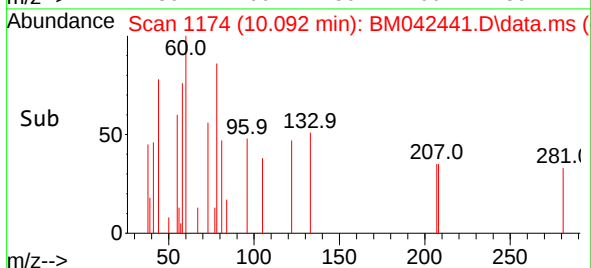
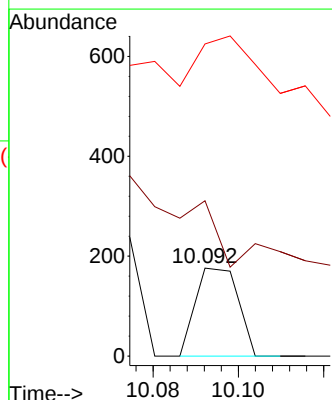
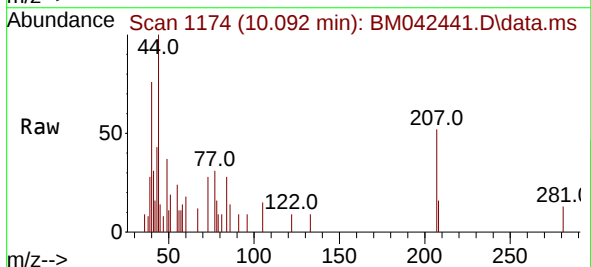
Tgt Ion:122 Resp: 122

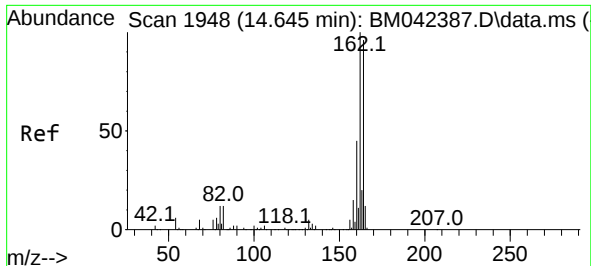
Ion Ratio Lower Upper

122 100

105 176.7 104.9 144.9#

77 355.1 83.4 123.4#

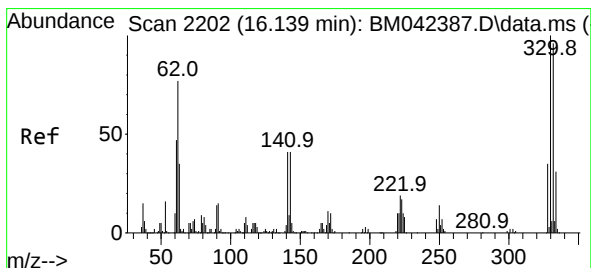
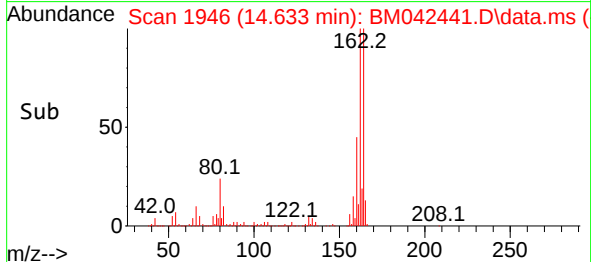
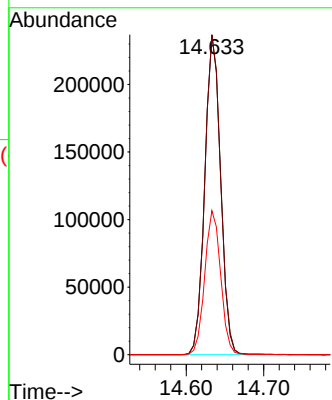
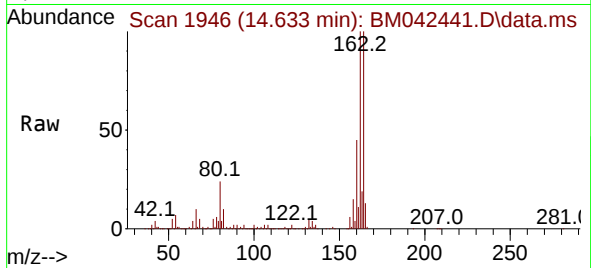




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.633 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

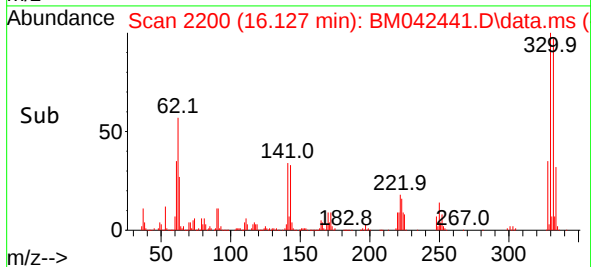
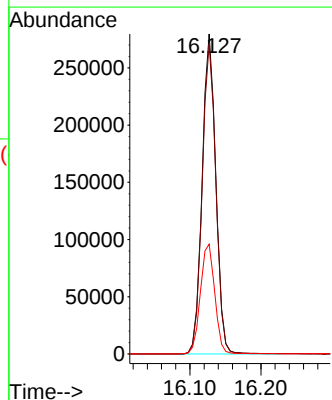
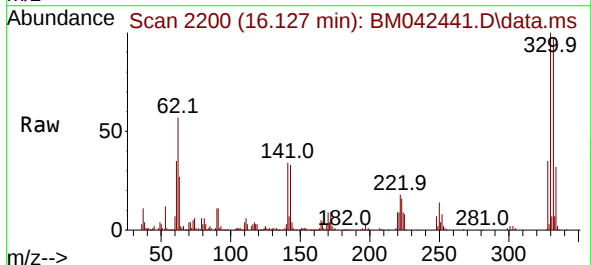
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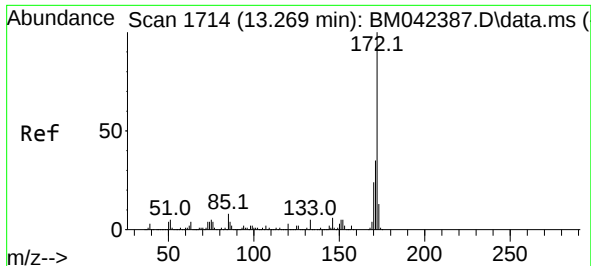
Tgt Ion:164 Resp: 335511
Ion Ratio Lower Upper
164 100
162 100.1 83.0 124.4
160 45.0 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 103.269 ng
RT: 16.127 min Scan# 2200
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion:330 Resp: 375058
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 36.3 38.0 57.0#

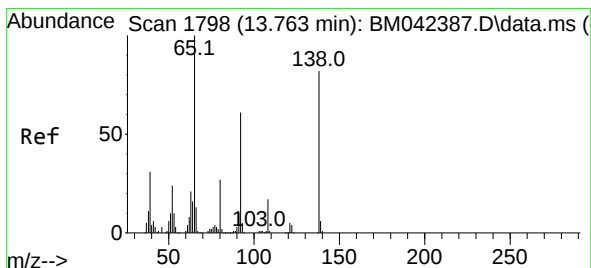
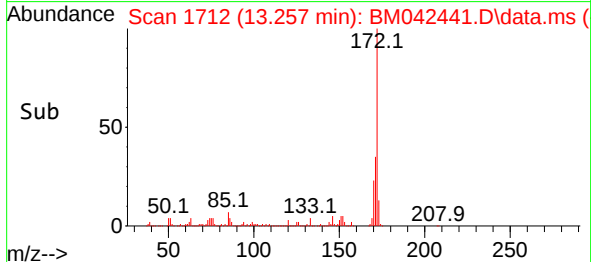
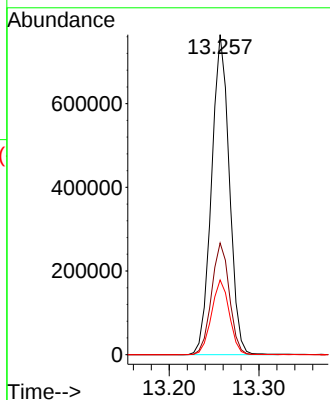
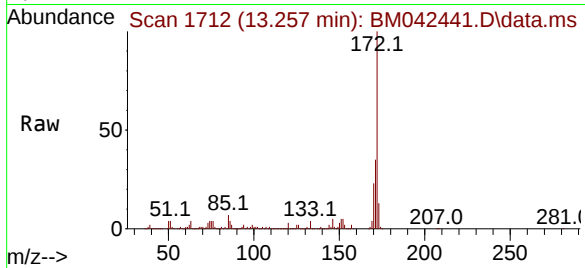




#45
2-Fluorobiphenyl
Concen: 42.260 ng
RT: 13.257 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

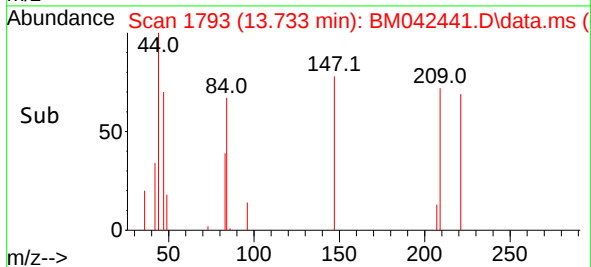
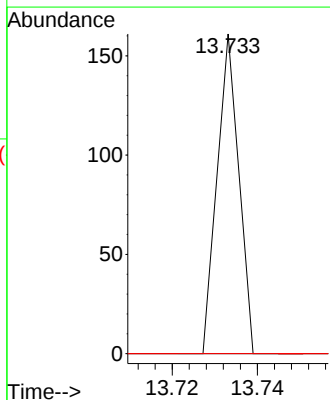
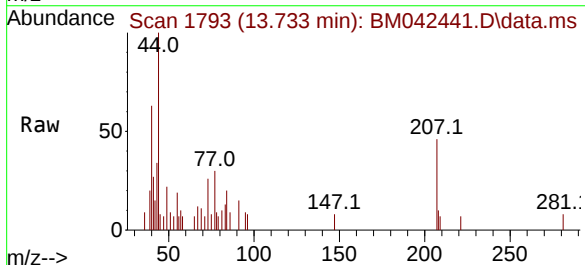
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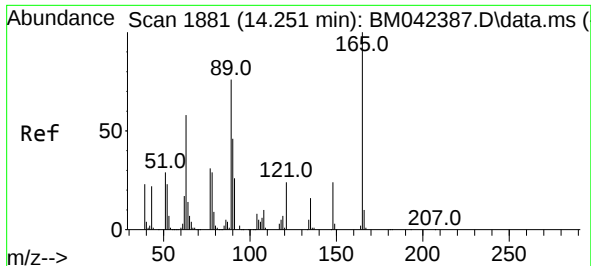
Tgt Ion:172 Resp: 1052905
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.4 18.9 28.3



#48
2-Nitroaniline
Concen: 3.646 ng
RT: 13.733 min Scan# 1793
Delta R.T. -0.030 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion: 65 Resp: 57
Ion Ratio Lower Upper
65 100
92 0.0 49.0 73.6#
138 0.0 65.5 98.3#

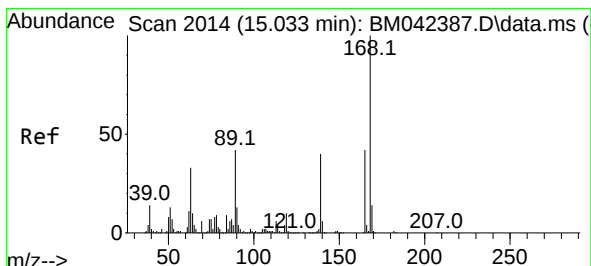
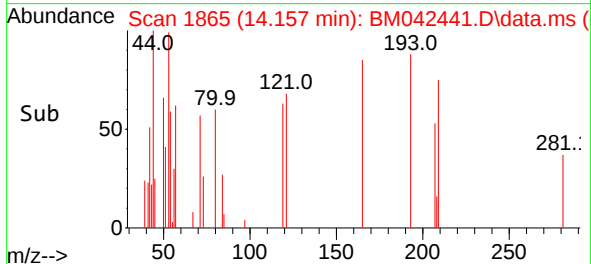
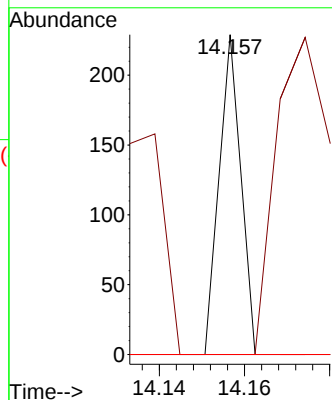
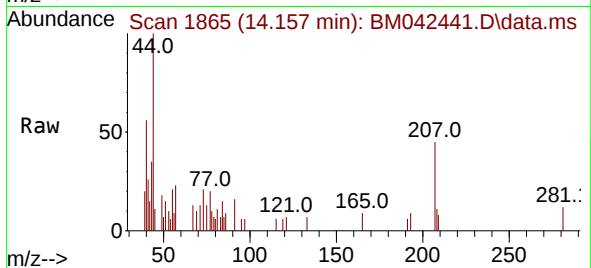




#51
2,6-Dinitrotoluene
Concen: 2.901 ng
RT: 14.157 min Scan# 11
Delta R.T. -0.094 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

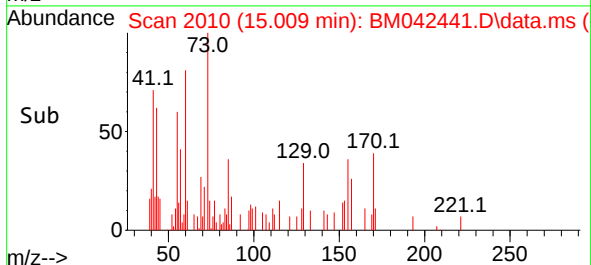
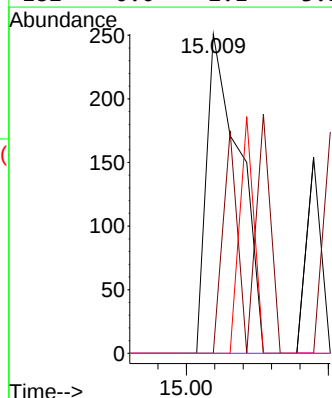
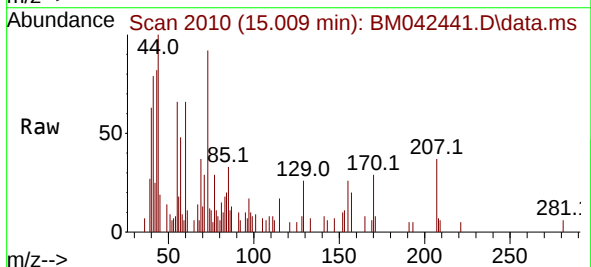
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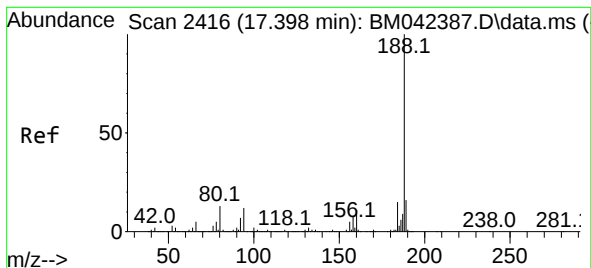
Tgt Ion:165 Resp: 81
Ion Ratio Lower Upper
165 100
63 0.0 65.3 97.9#
89 0.0 60.6 91.0#



#57
2,4-Dinitrotoluene
Concen: 4.088 ng
RT: 15.009 min Scan# 2010
Delta R.T. -0.024 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion:165 Resp: 202
Ion Ratio Lower Upper
165 100
63 0.0 62.9 94.3#
89 0.0 80.2 120.2#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.386 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM042441.D

Acq: 25 Oct 2023 17:12

Instrument :

BNA_M

ClientSampleId :

72-12017

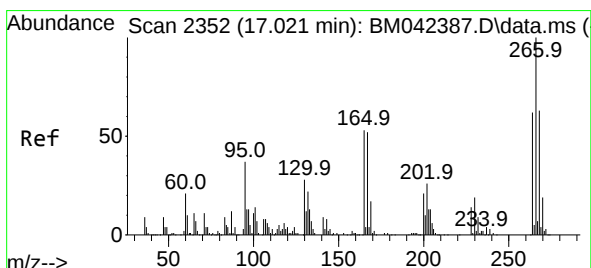
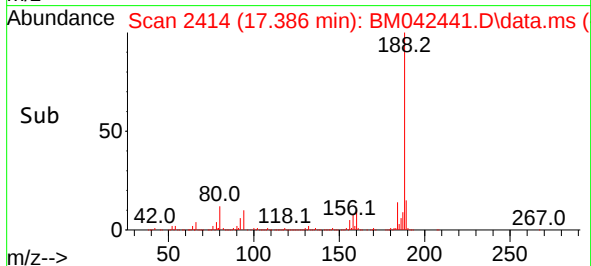
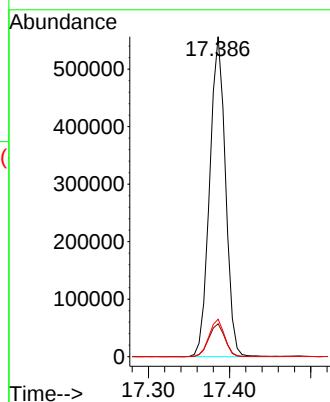
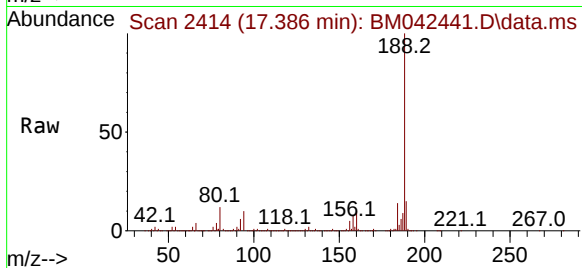
Tgt Ion:188 Resp: 752704

Ion Ratio Lower Upper

188 100

94 10.3 9.4 14.0

80 11.7 10.7 16.1



#70

Pentachlorophenol

Concen: 7.659 ng

RT: 17.015 min Scan# 2351

Delta R.T. -0.006 min

Lab File: BM042441.D

Acq: 25 Oct 2023 17:12

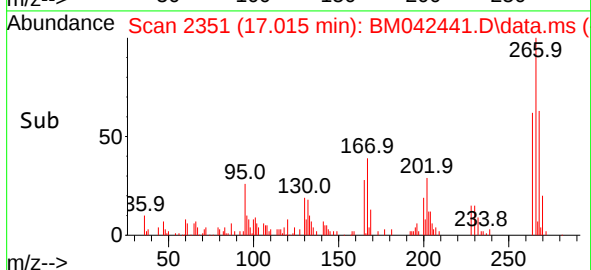
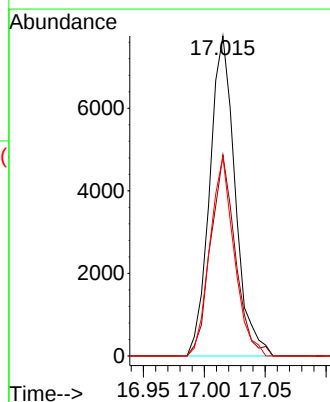
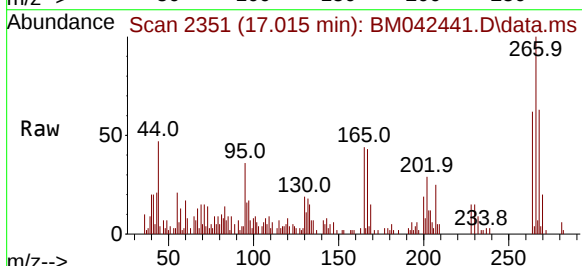
Tgt Ion:266 Resp: 11257

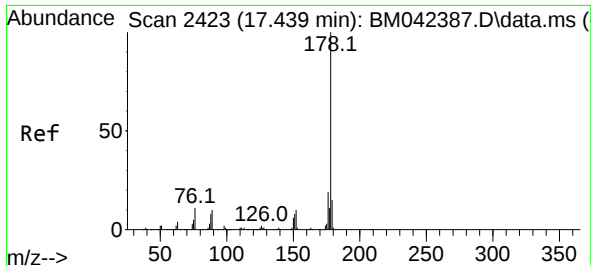
Ion Ratio Lower Upper

266 100

268 62.8 50.6 76.0

264 62.3 49.4 74.0

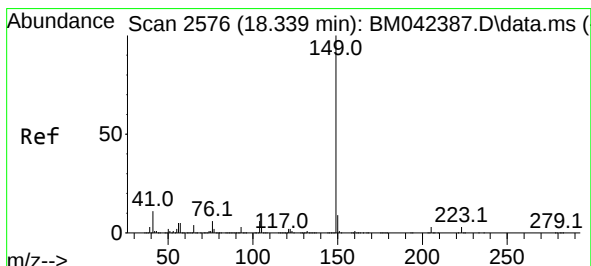
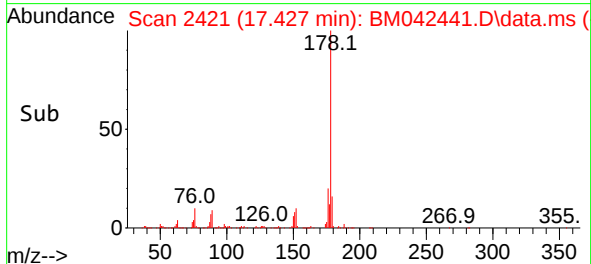
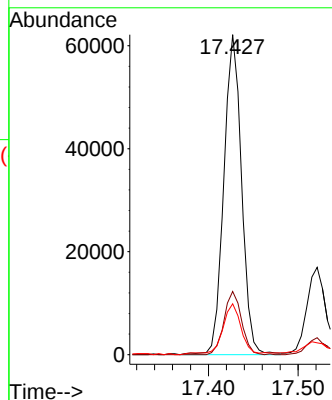
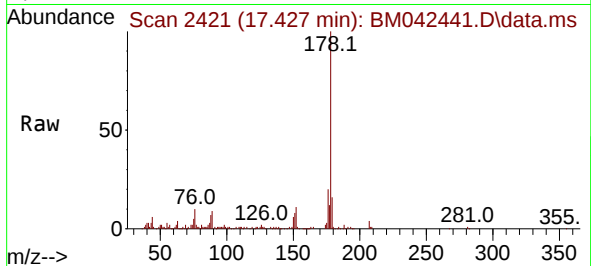




#71
Phenanthrene
Concen: 2.085 ng
RT: 17.427 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

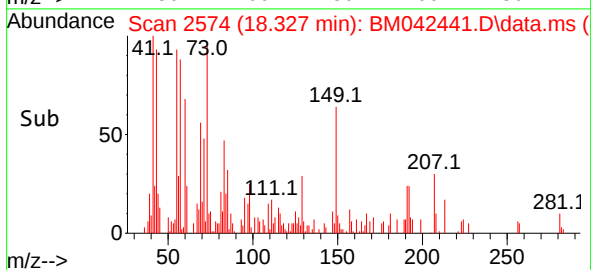
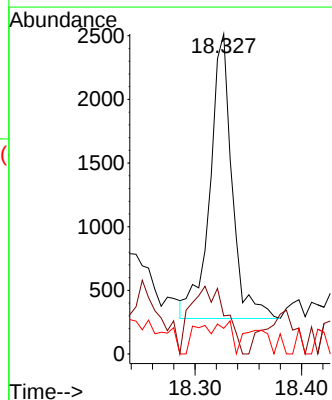
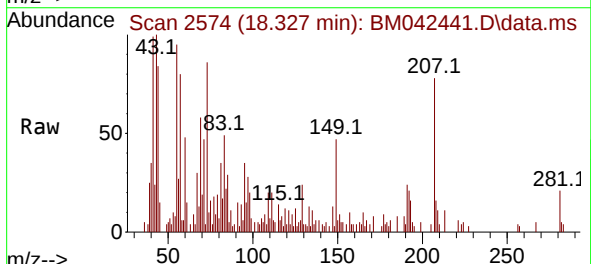
Instrument :
BNA_M
ClientSampleId :
72-12017

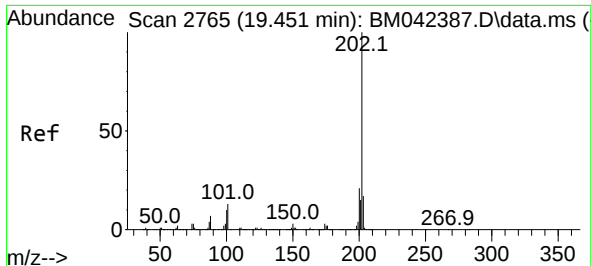
Tgt Ion:178 Resp: 85382
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 15.9 12.3 18.5



#74
Di-n-butylphthalate
Concen: 2.880 ng
RT: 18.327 min Scan# 2574
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion:149 Resp: 3211
Ion Ratio Lower Upper
149 100
150 11.9 7.4 11.0#
104 8.0 4.6 7.0#

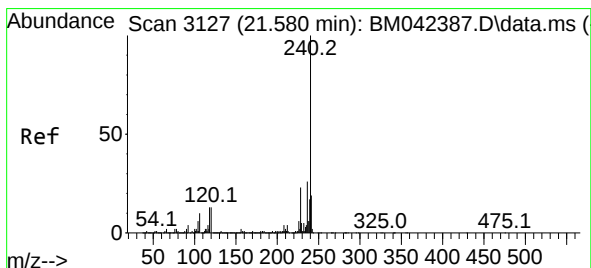
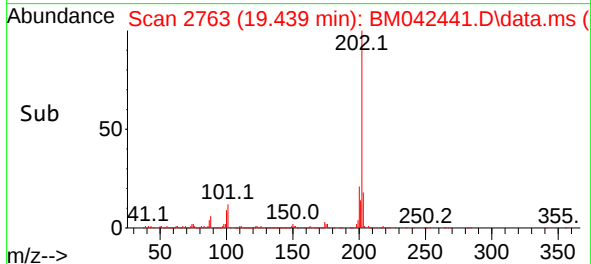
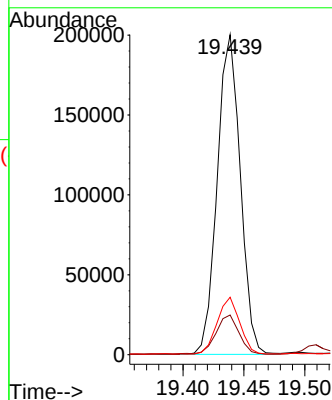
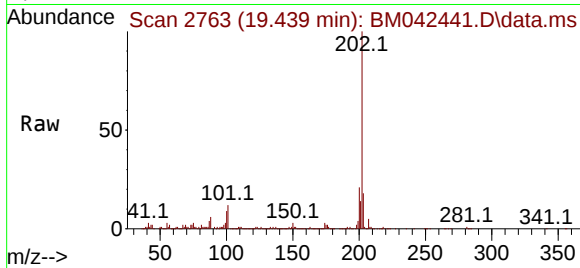




#75
Fluoranthene
Concen: 5.852 ng
RT: 19.439 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

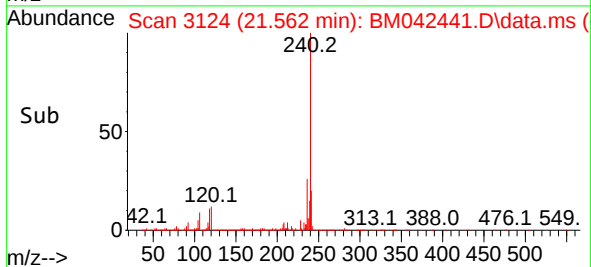
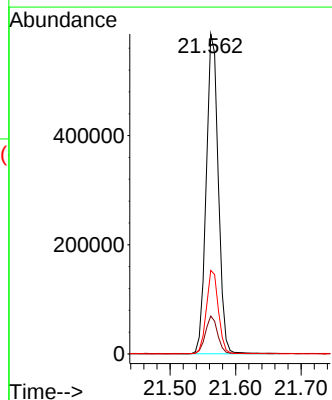
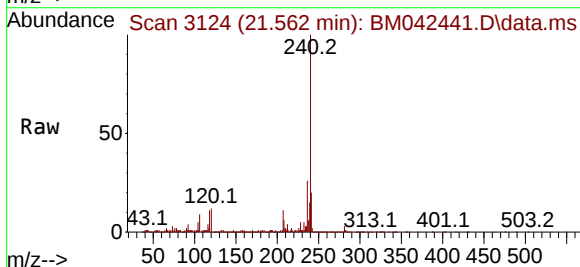
Instrument :
BNA_M
ClientSampleId :
72-12017

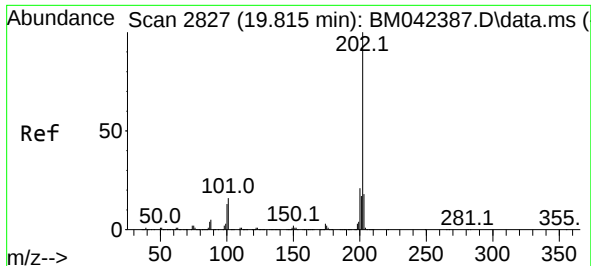
Tgt Ion:202 Resp: 263900
Ion Ratio Lower Upper
202 100
101 12.4 0.0 33.3
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.562 min Scan# 3124
Delta R.T. -0.018 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion:240 Resp: 753264
Ion Ratio Lower Upper
240 100
120 11.9 10.7 16.1
236 26.1 20.7 31.1

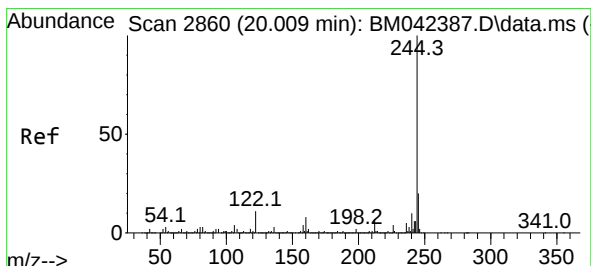
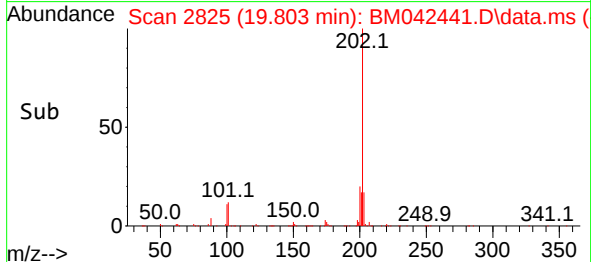
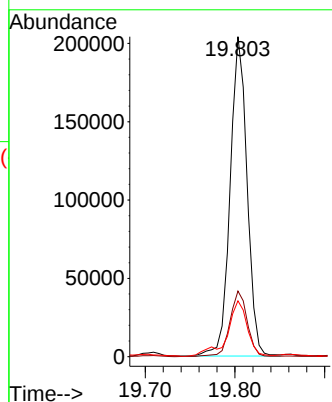
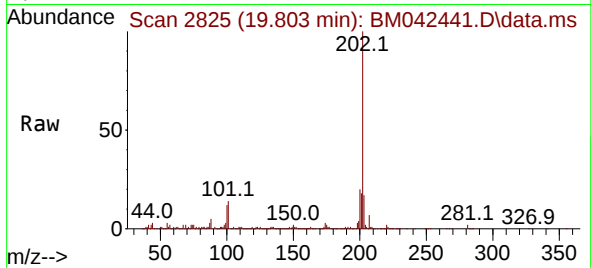




#78
 Pyrene
 Concen: 5.076 ng
 RT: 19.803 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM042441.D
 Acq: 25 Oct 2023 17:12

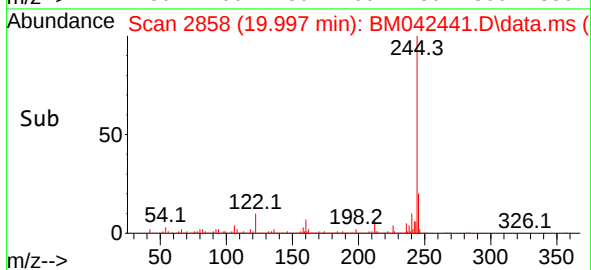
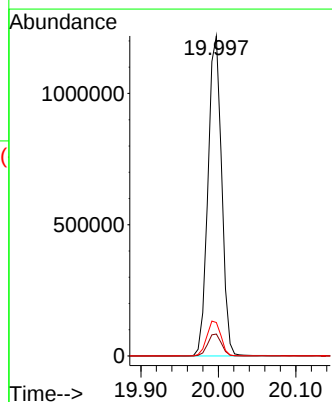
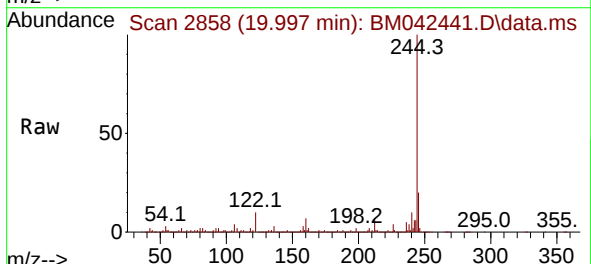
Instrument :
 BNA_M
 ClientSampleId :
 72-12017

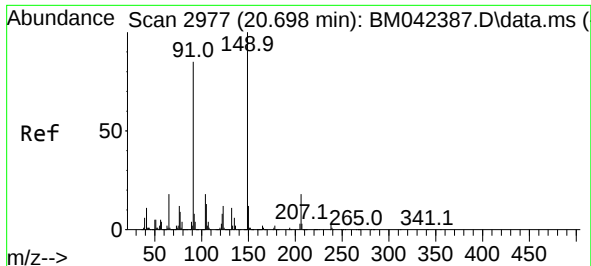
Tgt Ion:202 Resp: 267183
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.1 25.7
 203 17.4 14.1 21.1



#79
 Terphenyl-d14
 Concen: 35.041 ng
 RT: 19.997 min Scan# 2858
 Delta R.T. -0.012 min
 Lab File: BM042441.D
 Acq: 25 Oct 2023 17:12

Tgt Ion:244 Resp: 1488313
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.5 8.8 13.2

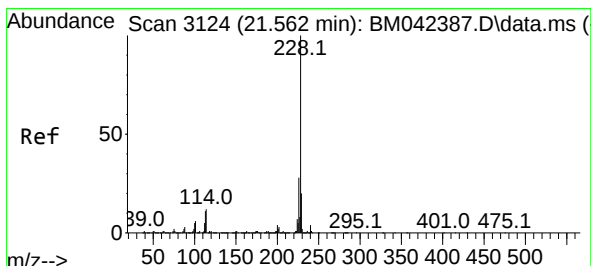
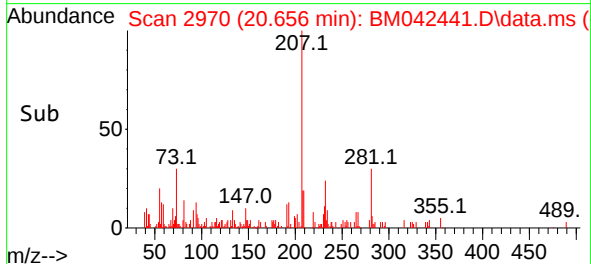
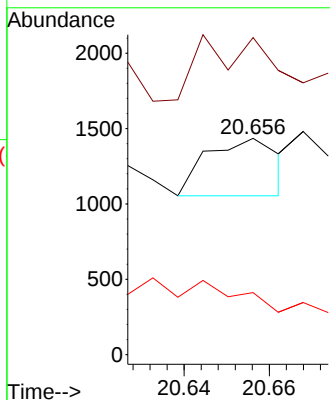
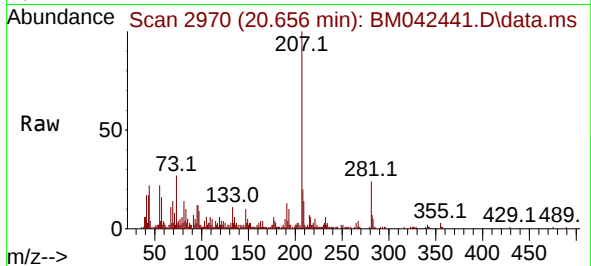




#80
 Butylbenzylphthalate
 Concen: 3.276 ng
 RT: 20.656 min Scan# 2977
 Delta R.T. -0.042 min
 Lab File: BM042441.D
 Acq: 25 Oct 2023 17:12

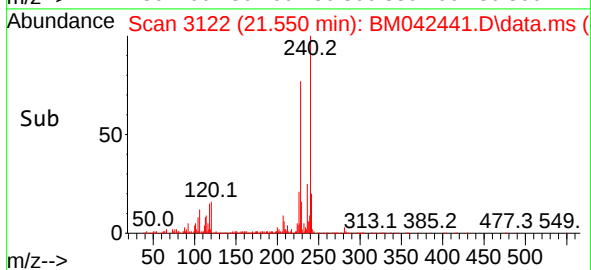
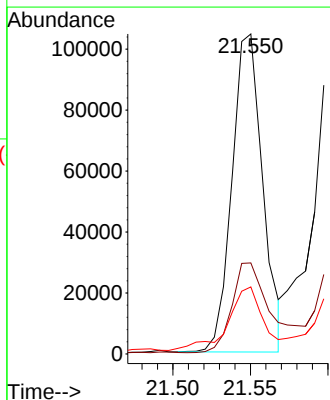
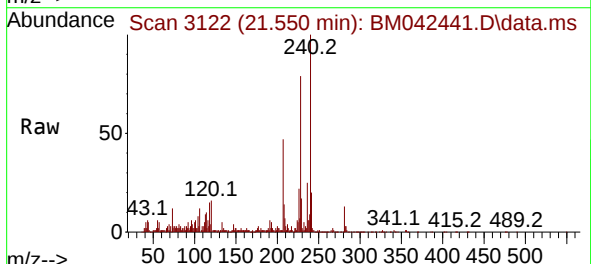
Instrument :
 BNA_M
 ClientSampleId :
 72-12017

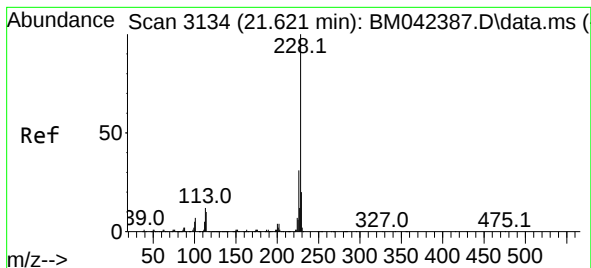
Tgt Ion:149 Resp: 444
 Ion Ratio Lower Upper
 149 100
 91 146.6 68.3 102.5#
 206 28.7 14.6 22.0#



#81
 Benzo(a)anthracene
 Concen: 2.847 ng
 RT: 21.550 min Scan# 3122
 Delta R.T. -0.012 min
 Lab File: BM042441.D
 Acq: 25 Oct 2023 17:12

Tgt Ion:228 Resp: 143765
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.2 33.4
 229 21.0 15.7 23.5





#83

Chrysene

Concen: 3.025 ng

RT: 21.603 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM042441.D

Acq: 25 Oct 2023 17:12

Instrument :

BNA_M

ClientSampleId :

72-12017

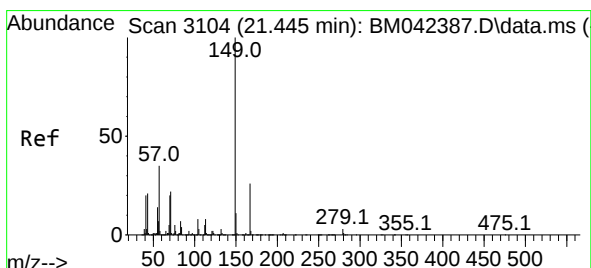
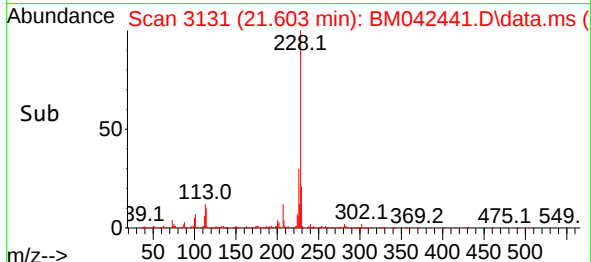
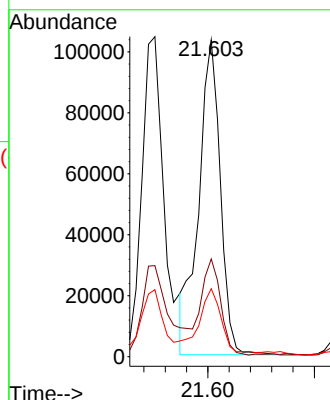
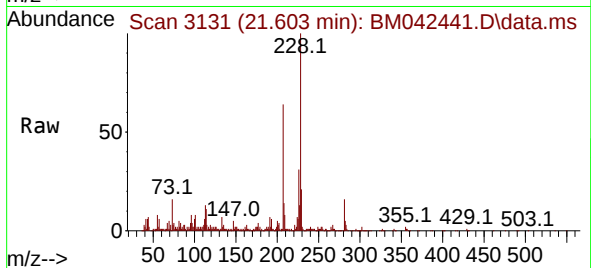
Tgt Ion:228 Resp: 146713

Ion Ratio Lower Upper

228 100

226 30.9 24.6 36.8

229 21.5 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.780 ng

RT: 21.427 min Scan# 3101

Delta R.T. -0.018 min

Lab File: BM042441.D

Acq: 25 Oct 2023 17:12

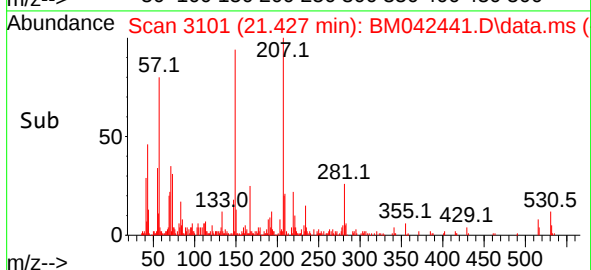
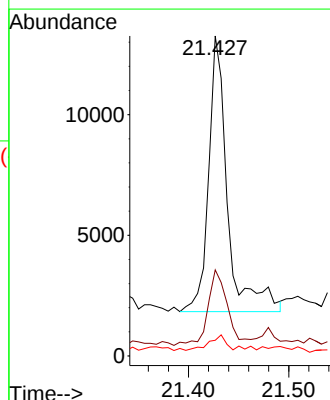
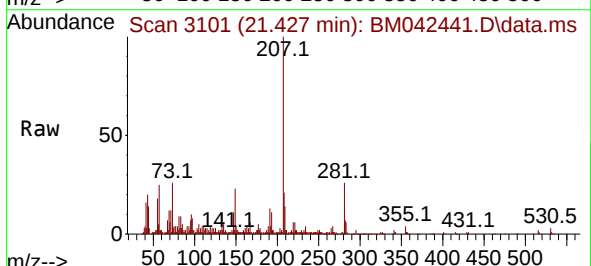
Tgt Ion:149 Resp: 14995

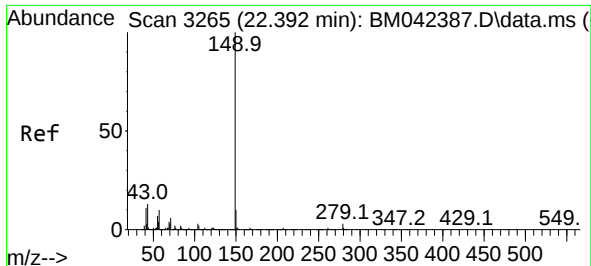
Ion Ratio Lower Upper

149 100

167 26.9 20.9 31.3

279 4.9 2.7 4.1#

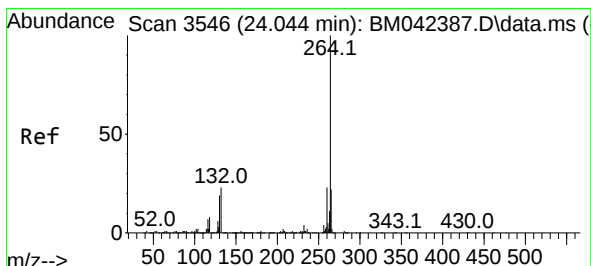
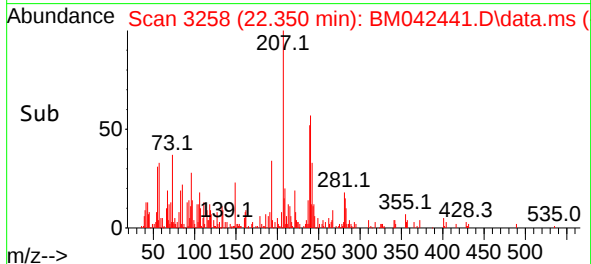
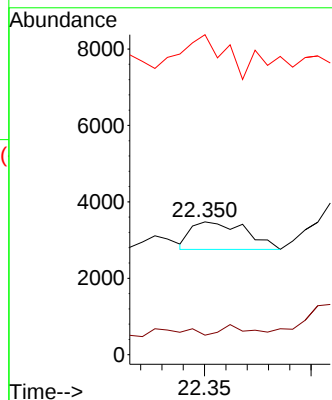
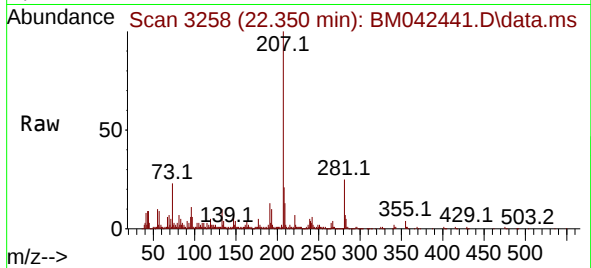




#85
Di-n-octyl phthalate
Concen: 4.239 ng
RT: 22.350 min Scan# 31
Delta R.T. -0.042 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

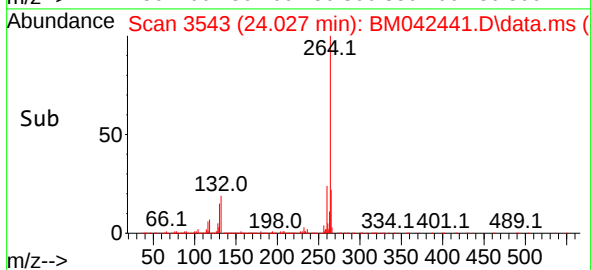
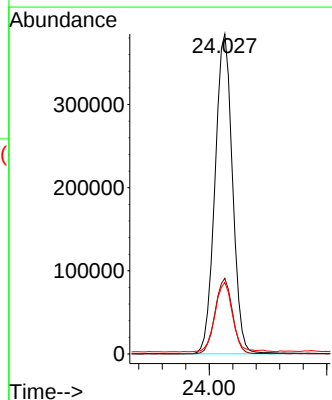
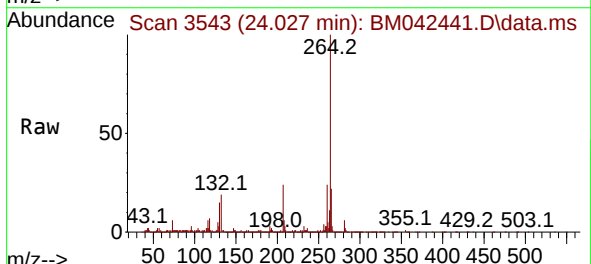
Instrument :
BNA_M
ClientSampleId :
72-12017

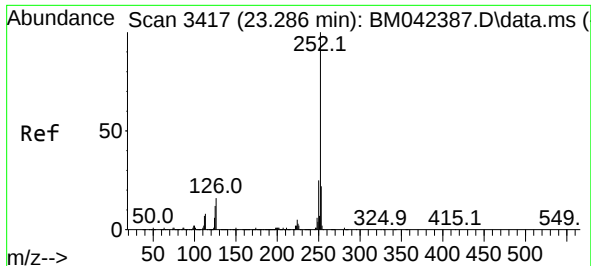
Tgt Ion:149 Resp: 1303
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 153.6 11.0 16.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.027 min Scan# 3543
Delta R.T. -0.018 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion:264 Resp: 794858
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 22.3 17.8 26.8

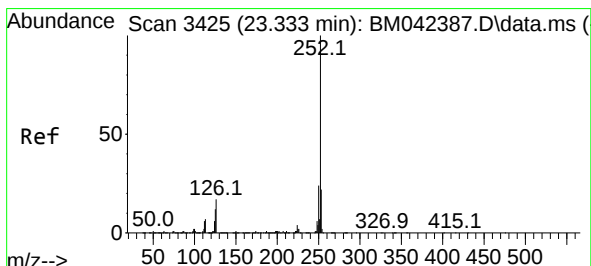
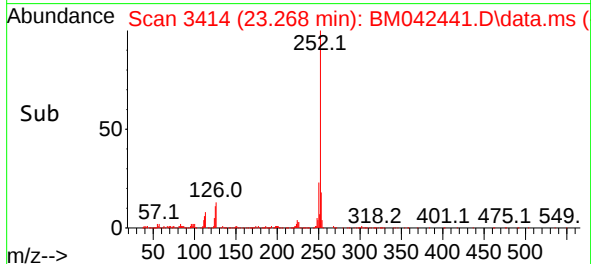
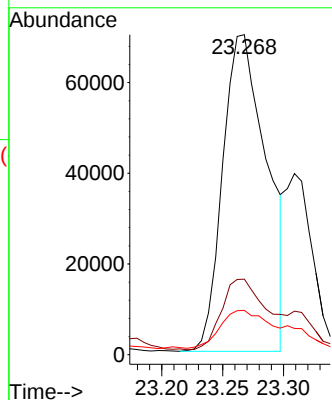
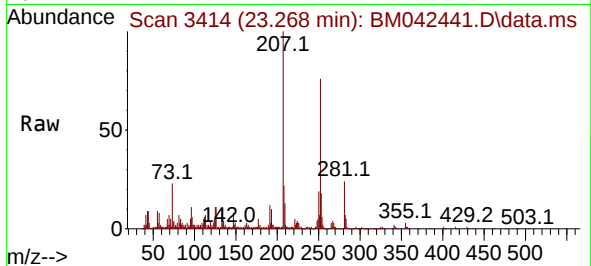




#88
Benzo(b)fluoranthene
Concen: 3.667 ng
RT: 23.268 min Scan# 3414
Delta R.T. -0.018 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

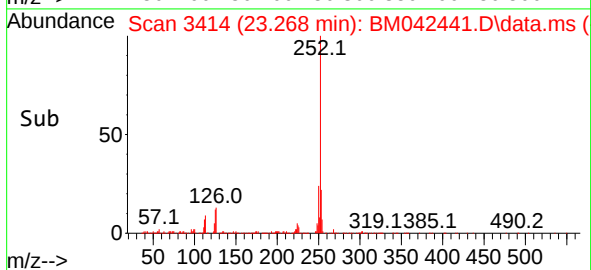
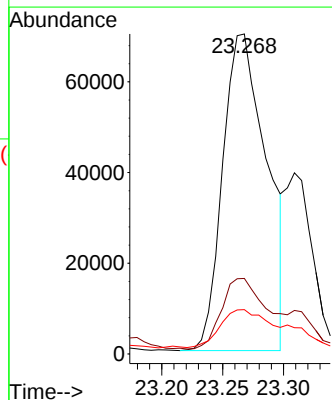
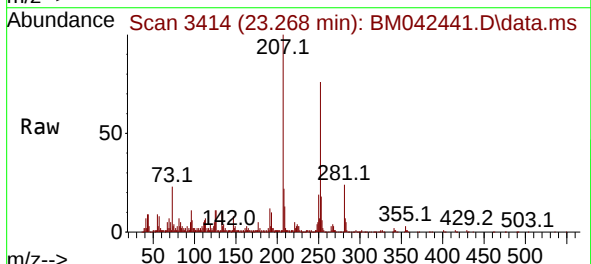
Instrument :
BNA_M
ClientSampleId :
72-12017

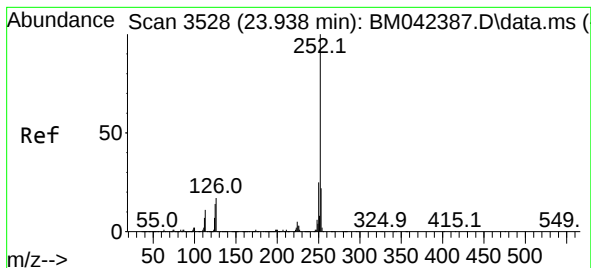
Tgt Ion:252 Resp: 175427
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 13.9 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 3.532 ng
RT: 23.268 min Scan# 3414
Delta R.T. -0.065 min
Lab File: BM042441.D
Acq: 25 Oct 2023 17:12

Tgt Ion:252 Resp: 175427
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 13.9 10.2 15.2





#90

Benzo(a)pyrene

Concen: 2.553 ng

RT: 23.909 min Scan# 3

Delta R.T. -0.030 min

Lab File: BM042441.D

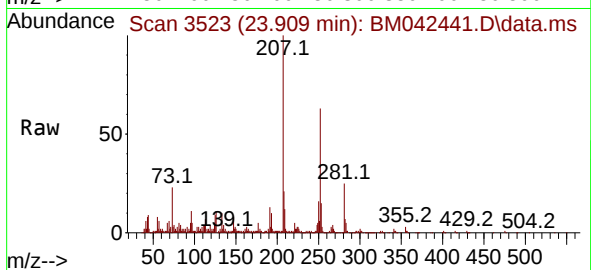
Acq: 25 Oct 2023 17:12

Instrument :

BNA_M

ClientSampleId :

72-12017



Tgt Ion:252 Resp: 117587

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

125 14.5 10.9 16.3

