

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
 Data File : BM042440.D
 Acq On : 25 Oct 2023 16:35
 Operator : MA/JU
 Sample : 04941-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 213

Quant Time: Oct 25 17:20:59 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)

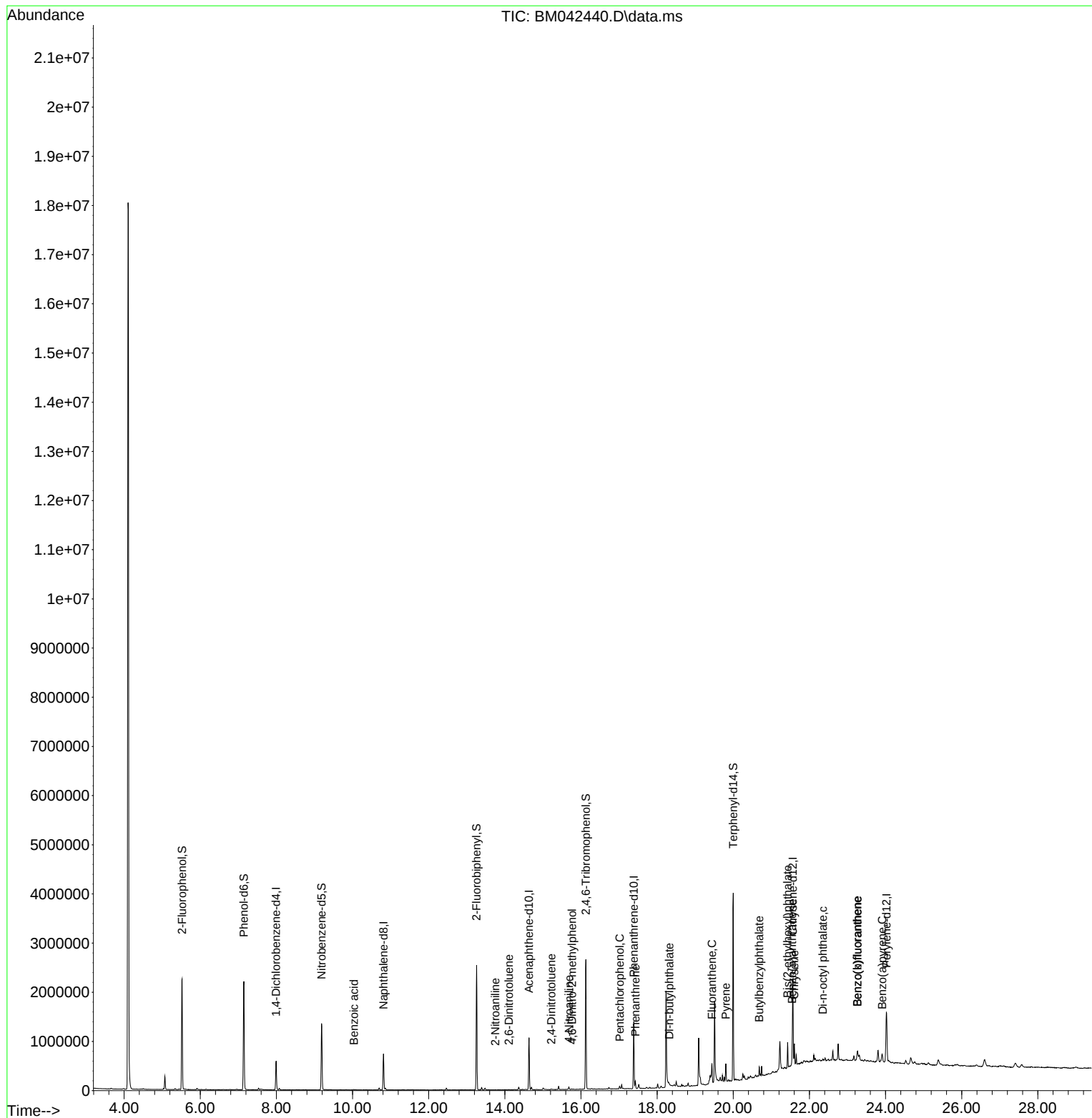
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	143727	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	562975	20.000	ng	-0.01
39) Acenaphthene-d10	14.633	164	338468	20.000	ng	-0.01
64) Phenanthrene-d10	17.386	188	758377	20.000	ng	-0.01
76) Chrysene-d12	21.562	240	754017	20.000	ng	-0.02
86) Perylene-d12	24.021	264	783187	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	903665	88.860	ng	0.00
7) Phenol-d6	7.146	99	1185855	87.014	ng	0.00
23) Nitrobenzene-d5	9.187	82	757878	59.528	ng	-0.01
42) 2,4,6-Tribromophenol	16.127	330	433587	116.992	ng	-0.01
45) 2-Fluorobiphenyl	13.257	172	1211319	48.193	ng	-0.01
79) Terphenyl-d14	19.998	244	1732606	40.752	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	10.039	122	2641	5.689	ng	90
48) 2-Nitroaniline	13.751	65	175	3.658	ng	# 13
51) 2,6-Dinitrotoluene	14.104	165	57	2.897	ng	# 10
57) 2,4-Dinitrotoluene	15.221	165	117	4.078	ng	# 6
62) 4-Nitroaniline	15.686	138	212	3.832	ng	# 12
65) 4,6-Dinitro-2-methylph...	15.763	198	1901	6.428	ng	# 41
70) Pentachlorophenol	17.015	266	8628	7.259	ng	89
71) Phenanthrene	17.427	178	82783	2.007	ng	99
74) Di-n-butylphthalate	18.321	149	4882	2.912	ng	# 83
75) Fluoranthene	19.439	202	206831	4.552	ng	99
78) Pyrene	19.804	202	207442	3.937	ng	100
80) Butylbenzylphthalate	20.680	149	54448	5.383	ng	95
81) Benzo(a)anthracene	21.545	228	132774	2.627	ng	98
83) Chrysene	21.603	228	229884	4.735	ng	98
84) Bis(2-ethylhexyl)phtha...	21.427	149	155155	7.617	ng	98
85) Di-n-octyl phthalate	22.350	149	1955	4.249	ng	# 1
88) Benzo(b)fluoranthene	23.262	252	152415	3.233	ng	97
89) Benzo(k)fluoranthene	23.262	252	152415	3.114	ng	97
90) Benzo(a)pyrene	23.909	252	114190	2.517	ng	# 95

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

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Quant Time: Oct 25 17:20:59 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

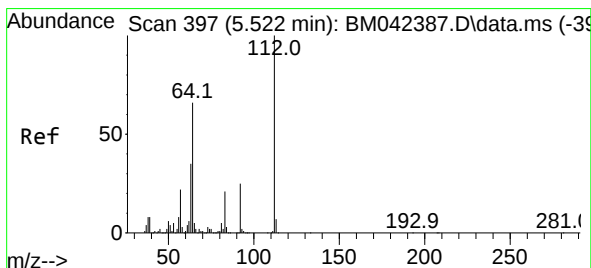
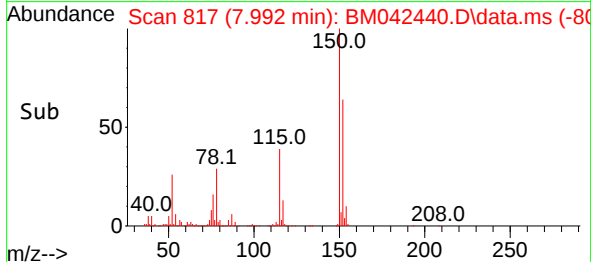
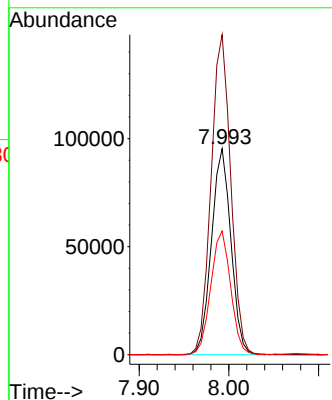
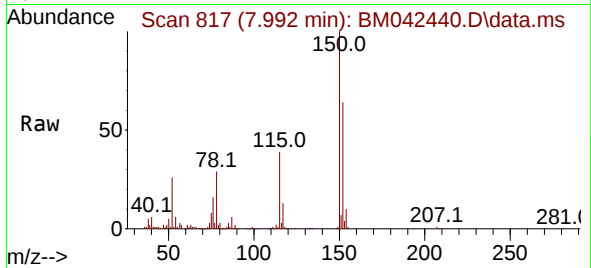




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.992 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM042440.D
 Acq: 25 Oct 2023 16:35

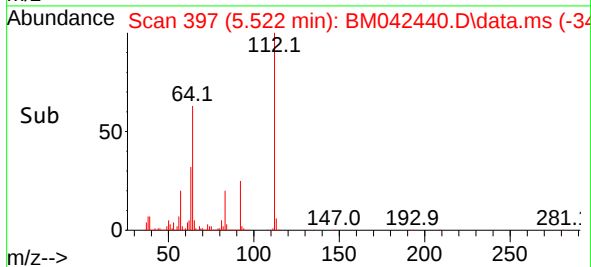
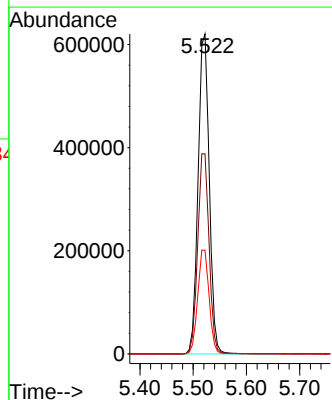
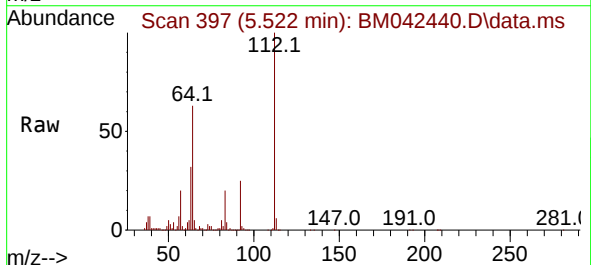
Instrument :
 BNA_M
 ClientSampleId :
 213

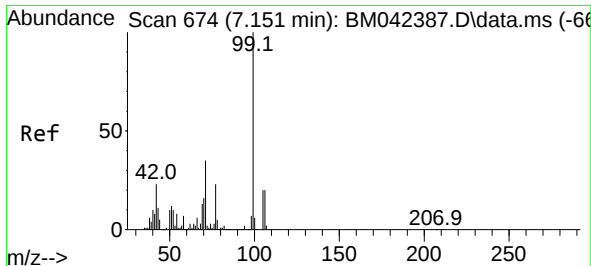
Tgt Ion:152 Resp: 143727
 Ion Ratio Lower Upper
 152 100
 150 155.3 126.2 189.4
 115 60.0 51.9 77.9



#5
 2-Fluorophenol
 Concen: 88.860 ng
 RT: 5.522 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: BM042440.D
 Acq: 25 Oct 2023 16:35

Tgt Ion:112 Resp: 903665
 Ion Ratio Lower Upper
 112 100
 64 62.5 52.7 79.1
 63 32.4 28.3 42.5



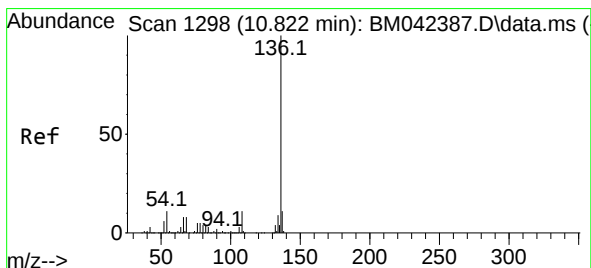
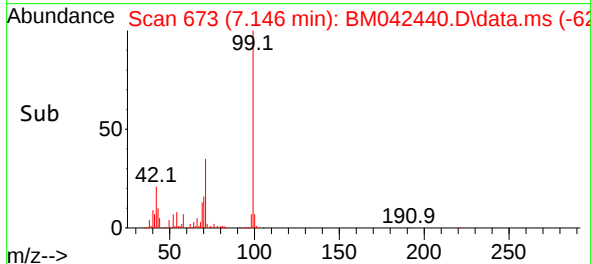
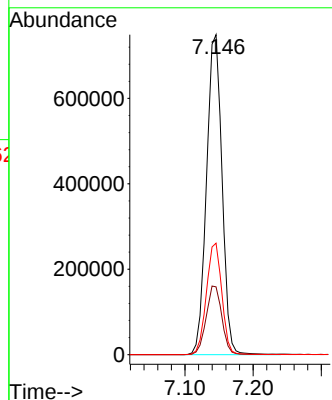
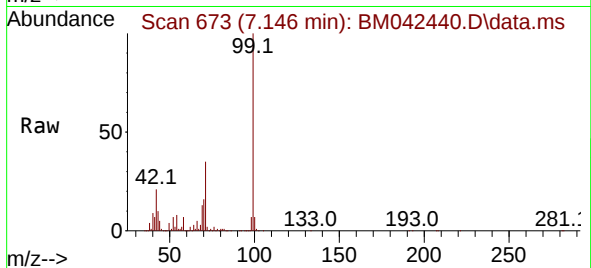


#7
Phenol-d6
Concen: 87.014 ng
RT: 7.146 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Instrument :
BNA_M
ClientSampleId :
213

Tgt Ion: 99 Resp: 1185855

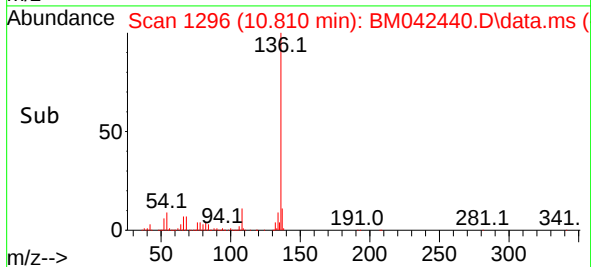
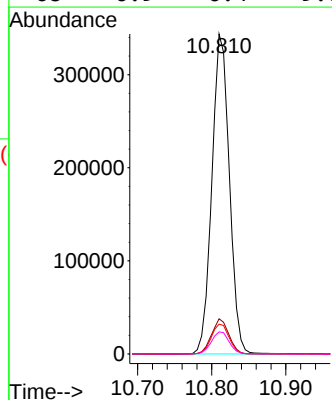
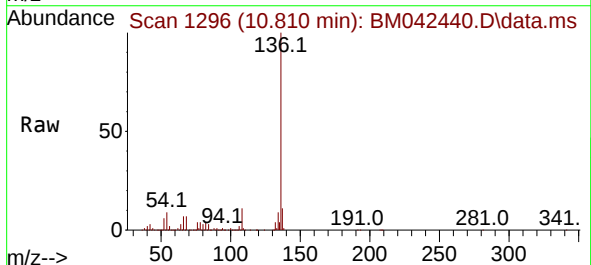
Ion	Ratio	Lower	Upper
99	100		
42	21.2	18.5	27.7
71	34.9	27.7	41.5

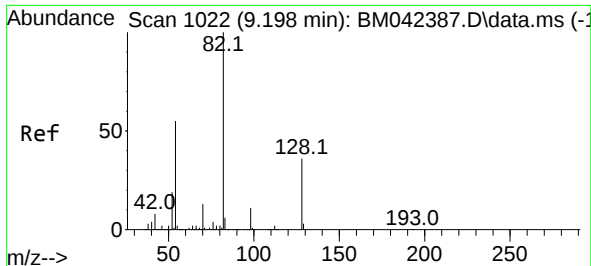


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1296
Delta R.T. -0.012 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Tgt Ion: 136 Resp: 562975

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	9.3	8.6	12.8
68	6.9	6.4	9.6

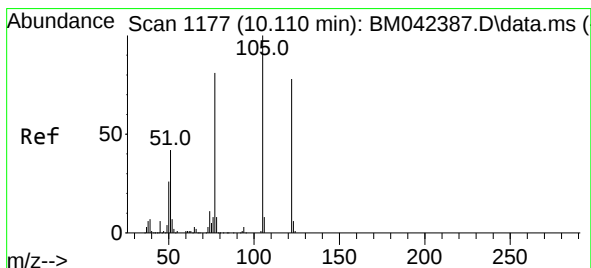
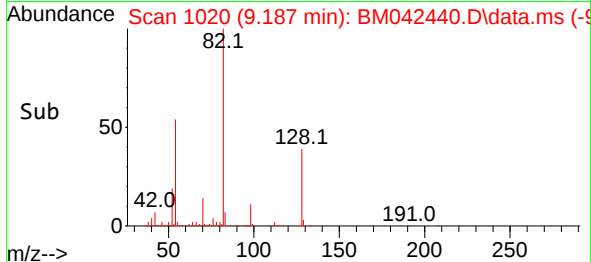
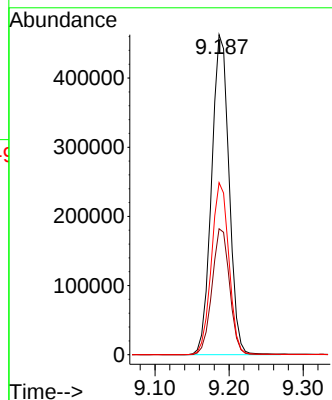
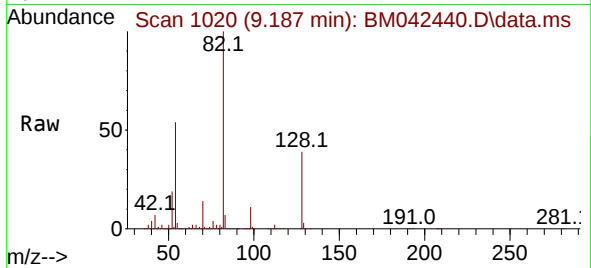




#23
Nitrobenzene-d5
Concen: 59.528 ng
RT: 9.187 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

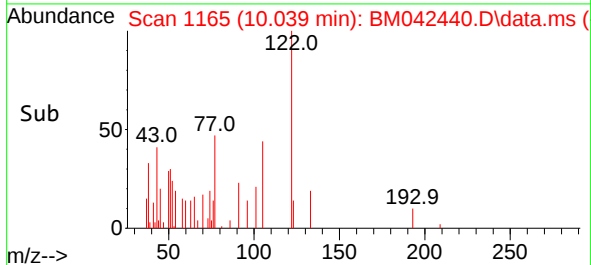
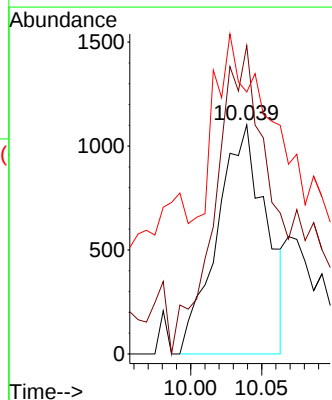
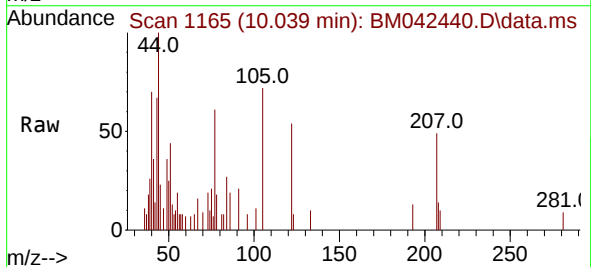
Instrument :
BNA_M
ClientSampleId :
213

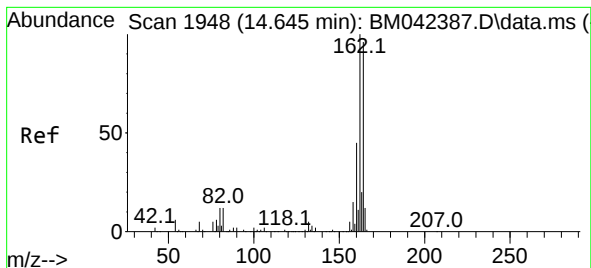
Tgt Ion: 82 Resp: 757878
Ion Ratio Lower Upper
82 100
128 39.3 29.0 43.6
54 53.8 43.7 65.5



#32
Benzoic acid
Concen: 5.689 ng
RT: 10.039 min Scan# 1165
Delta R.T. -0.071 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Tgt Ion:122 Resp: 2641
Ion Ratio Lower Upper
122 100
105 134.6 104.9 144.9
77 114.3 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: BM042440.D

Acq: 25 Oct 2023 16:35

Instrument :

BNA_M

ClientSampleId :

213

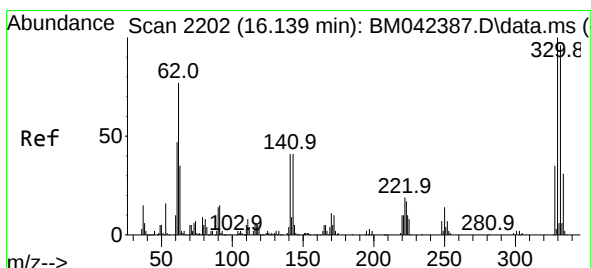
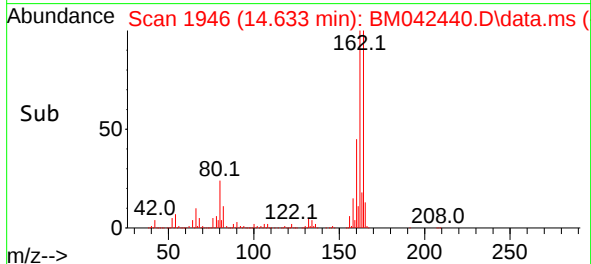
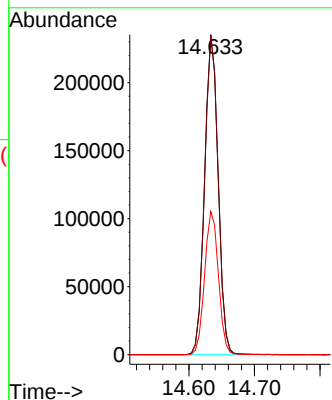
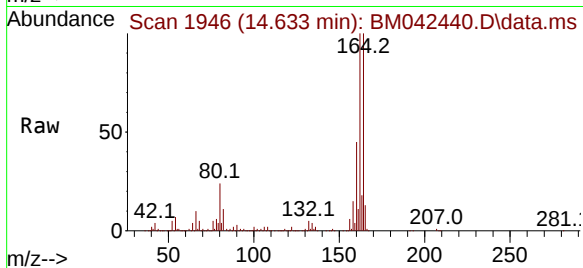
Tgt Ion:164 Resp: 338468

Ion Ratio Lower Upper

164 100

162 99.8 83.0 124.4

160 44.8 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 116.992 ng

RT: 16.127 min Scan# 2200

Delta R.T. -0.012 min

Lab File: BM042440.D

Acq: 25 Oct 2023 16:35

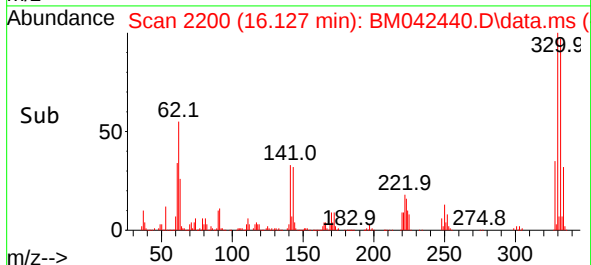
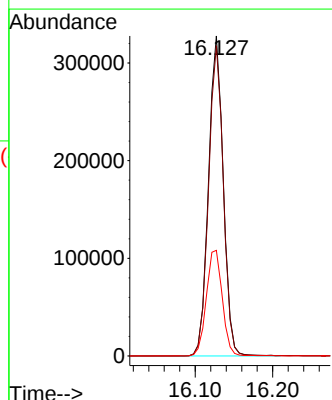
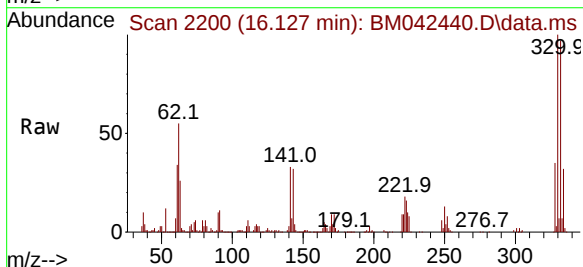
Tgt Ion:330 Resp: 433587

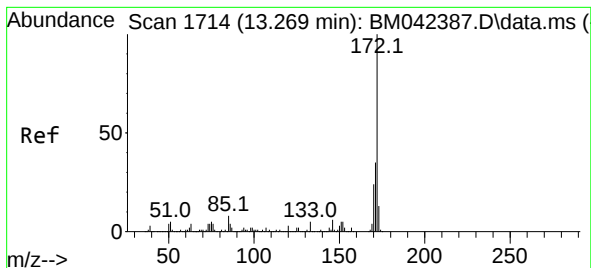
Ion Ratio Lower Upper

330 100

332 97.3 77.6 116.4

141 35.9 38.0 57.0#





#45

2-Fluorobiphenyl

Concen: 48.193 ng

RT: 13.257 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM042440.D

Acq: 25 Oct 2023 16:35

Instrument :

BNA_M

ClientSampleId :

213

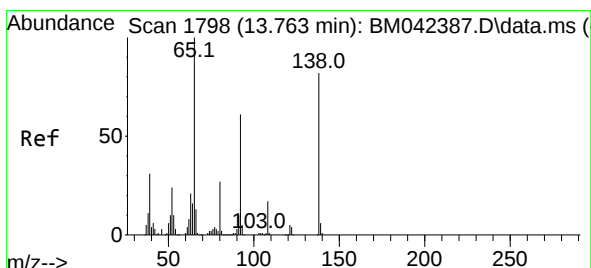
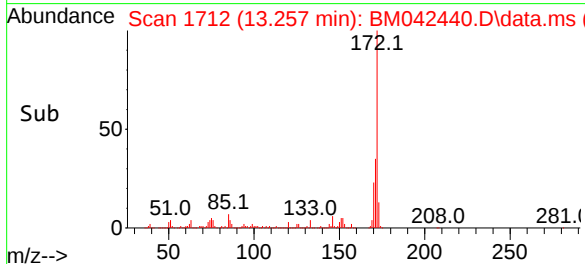
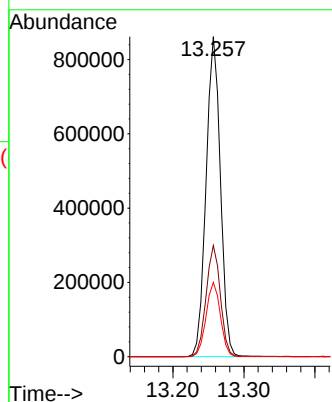
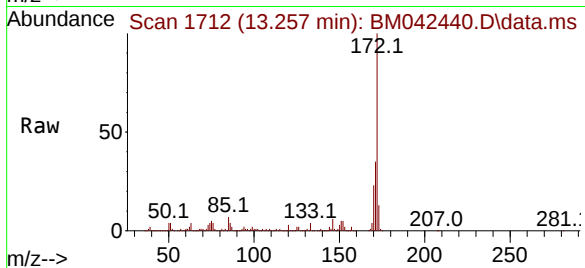
Tgt Ion:172 Resp: 1211319

Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 23.2 18.9 28.3



#48

2-Nitroaniline

Concen: 3.658 ng

RT: 13.751 min Scan# 1796

Delta R.T. -0.012 min

Lab File: BM042440.D

Acq: 25 Oct 2023 16:35

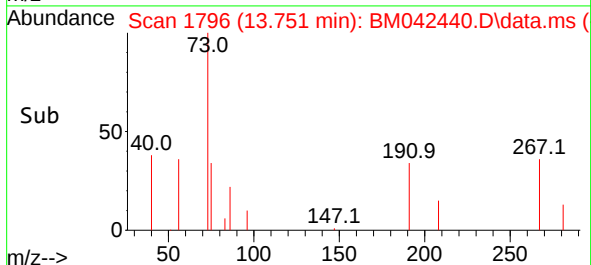
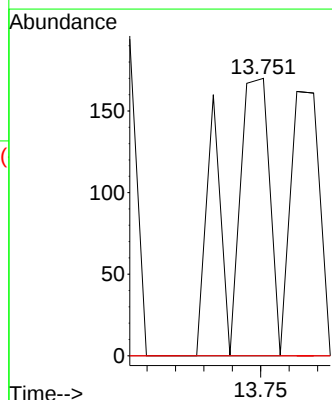
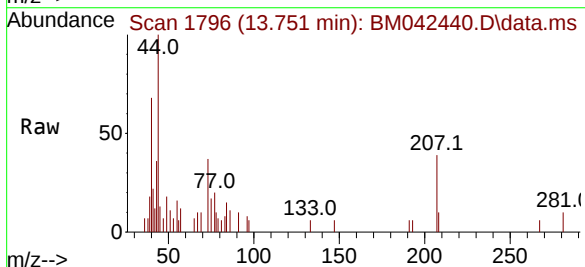
Tgt Ion: 65 Resp: 175

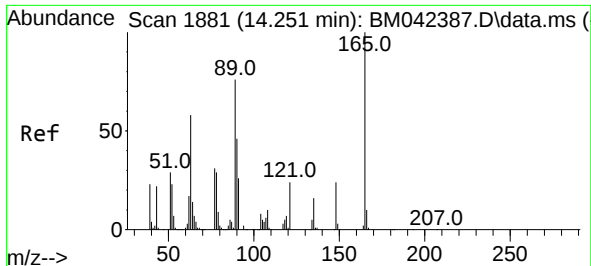
Ion Ratio Lower Upper

65 100

92 0.0 49.0 73.6#

138 0.0 65.5 98.3#

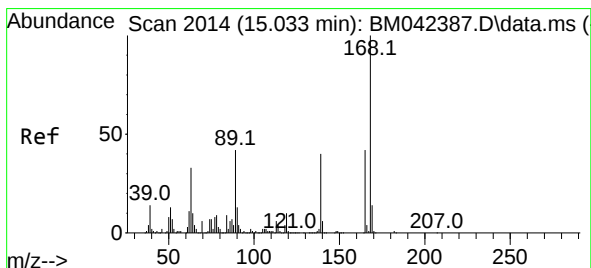
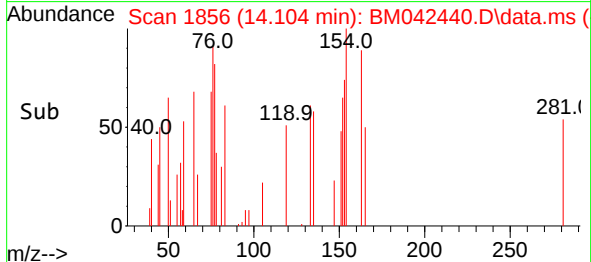
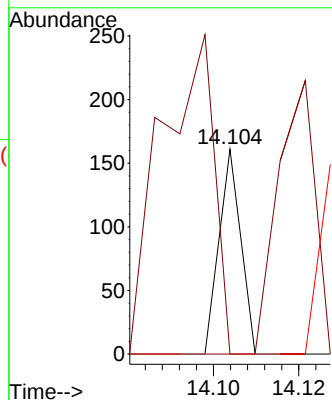
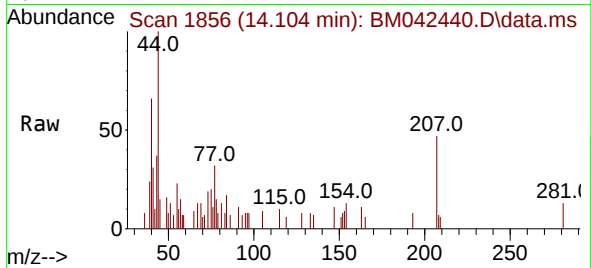




#51
2,6-Dinitrotoluene
Concen: 2.897 ng
RT: 14.104 min Scan# 11
Delta R.T. -0.147 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

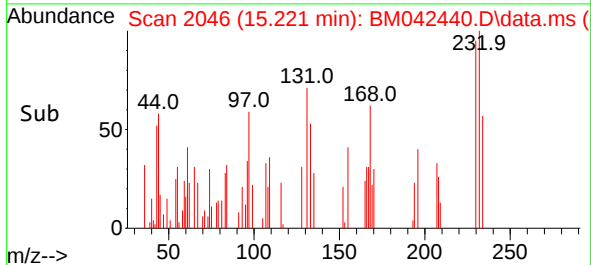
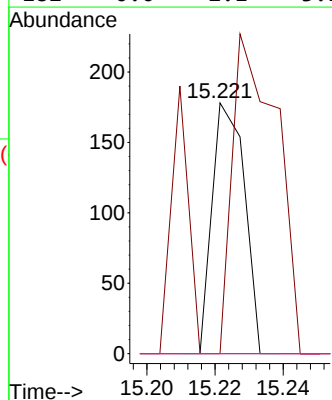
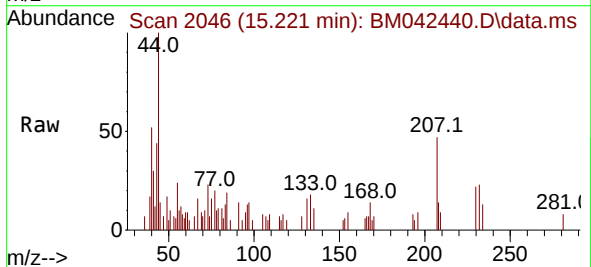
Instrument :
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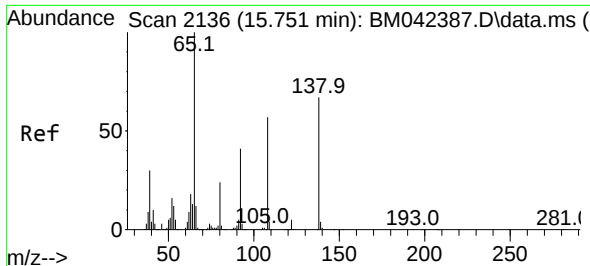
Tgt Ion:165 Resp: 57
Ion Ratio Lower Upper
165 100
63 0.0 65.3 97.9#
89 0.0 60.6 91.0#



#57
2,4-Dinitrotoluene
Concen: 4.078 ng
RT: 15.221 min Scan# 2046
Delta R.T. 0.188 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Tgt Ion:165 Resp: 117
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#

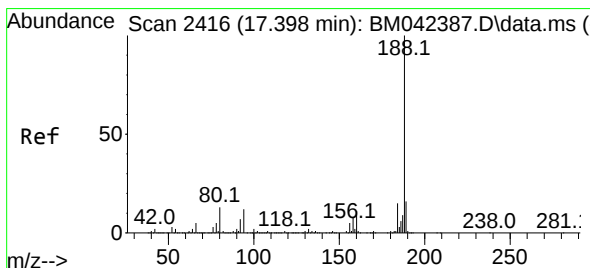
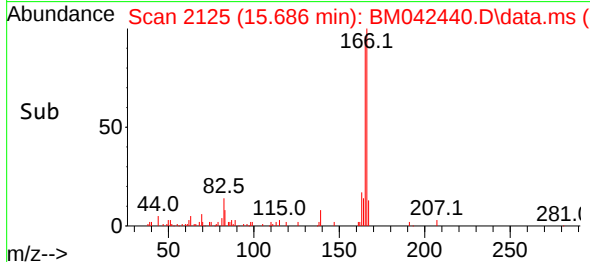
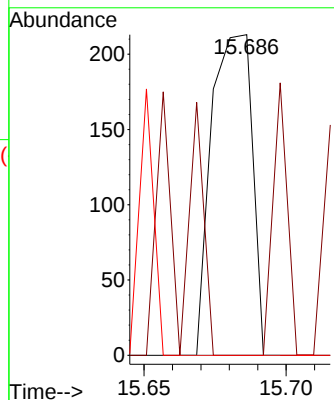
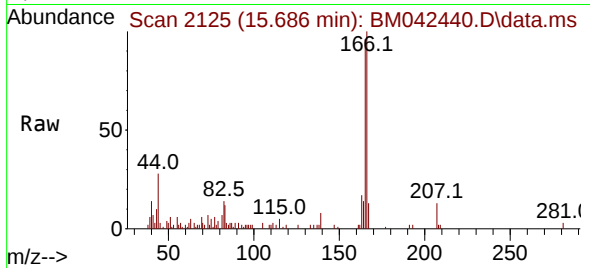




#62
4-Nitroaniline
Concen: 3.832 ng
RT: 15.686 min Scan# 2136
Delta R.T. -0.065 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

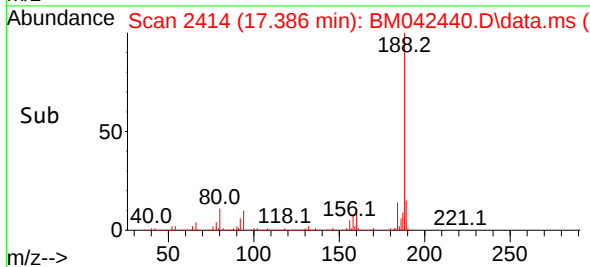
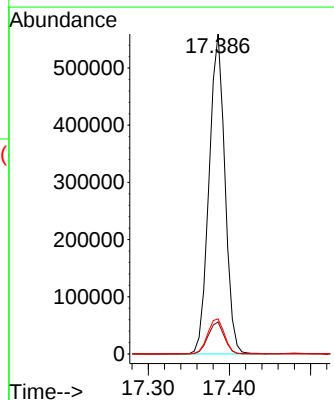
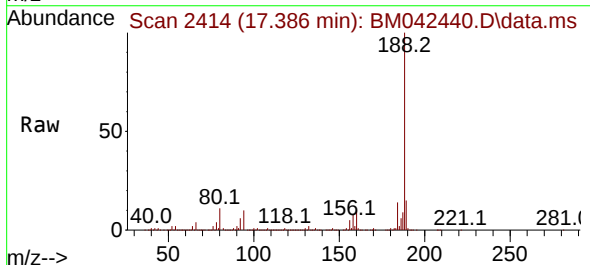
Instrument :
BNA_M
ClientSampleId :
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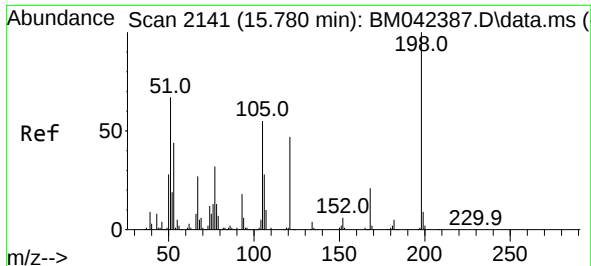
Tgt Ion:138 Resp: 212
Ion Ratio Lower Upper
138 100
92 0.0 40.4 80.4#
108 0.0 65.3 105.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.386 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Tgt Ion:188 Resp: 758377
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.0
80 11.0 10.7 16.1

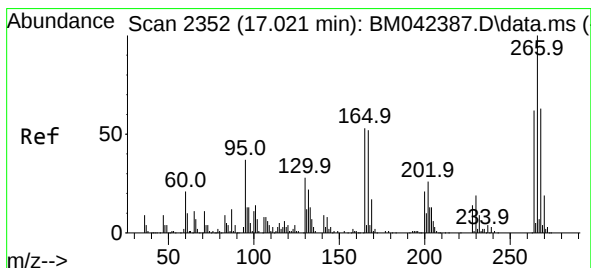
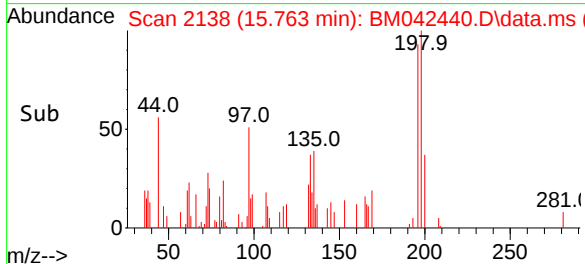
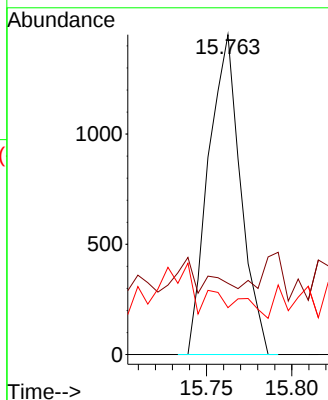
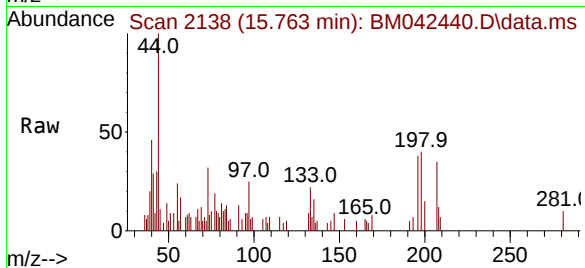




#65
4,6-Dinitro-2-methylphenol
Concen: 6.428 ng
RT: 15.763 min Scan# 2141
Delta R.T. -0.017 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

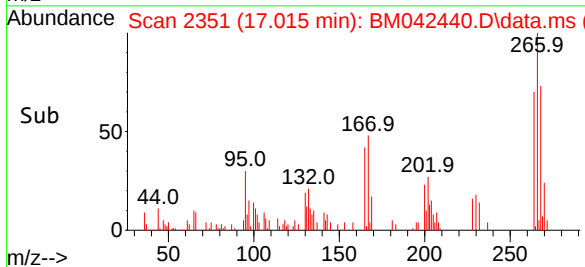
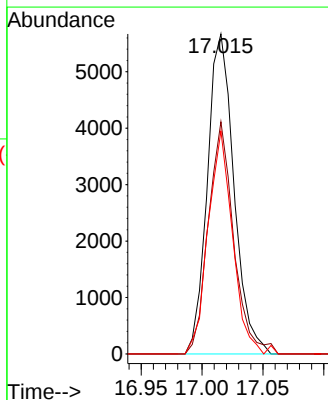
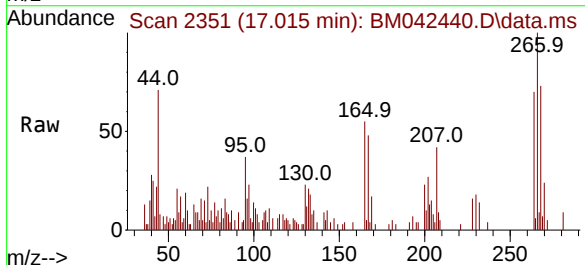
Instrument :
BNA_M
ClientSampleId :
213

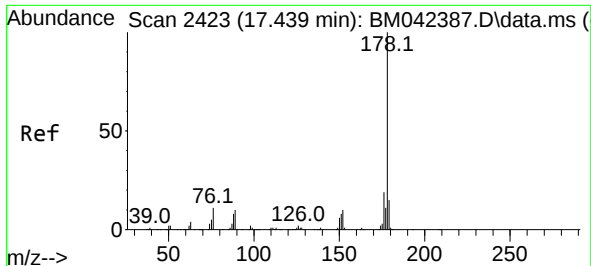
Tgt Ion:198 Resp: 1901
Ion Ratio Lower Upper
198 100
51 22.3 54.1 94.1#
105 14.7 35.9 75.9#



#70
Pentachlorophenol
Concen: 7.259 ng
RT: 17.015 min Scan# 2351
Delta R.T. -0.006 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Tgt Ion:266 Resp: 8628
Ion Ratio Lower Upper
266 100
268 72.5 50.6 76.0
264 69.6 49.4 74.0

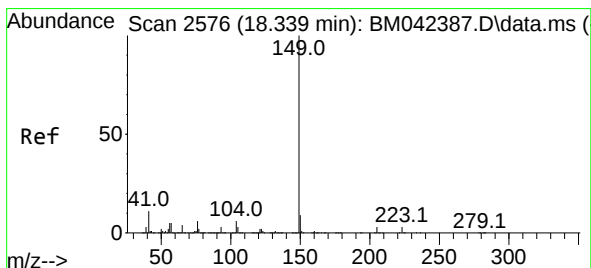
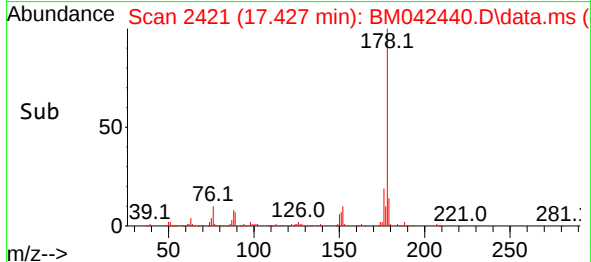
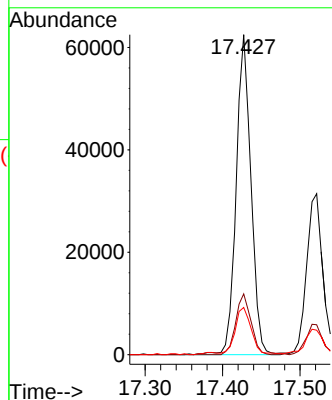
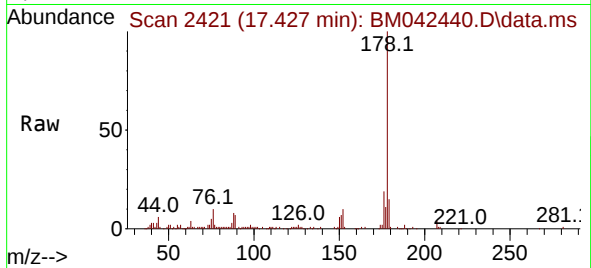




#71
Phenanthrene
Concen: 2.007 ng
RT: 17.427 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

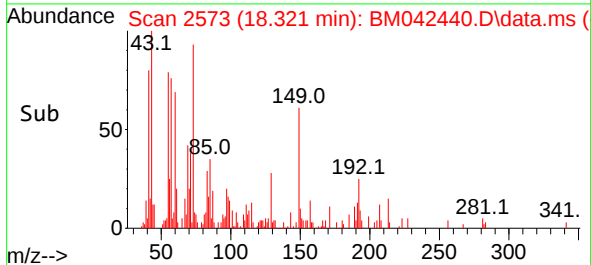
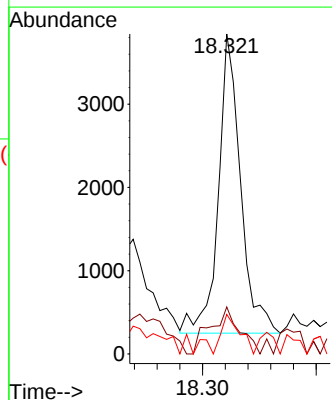
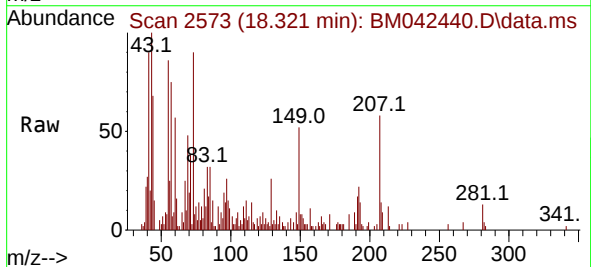
Instrument :
BNA_M
ClientSampleId :
213

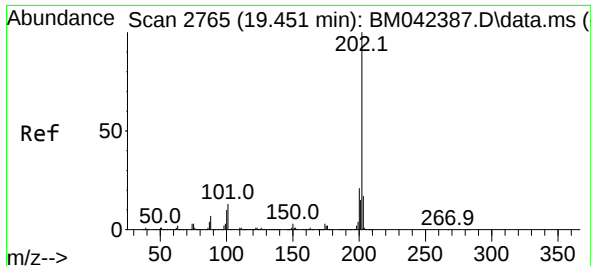
Tgt Ion:178 Resp: 82783
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 14.7 12.3 18.5



#74
Di-n-butylphthalate
Concen: 2.912 ng
RT: 18.321 min Scan# 2573
Delta R.T. -0.018 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Tgt Ion:149 Resp: 4882
Ion Ratio Lower Upper
149 100
150 14.7 7.4 11.0#
104 12.3 4.6 7.0#

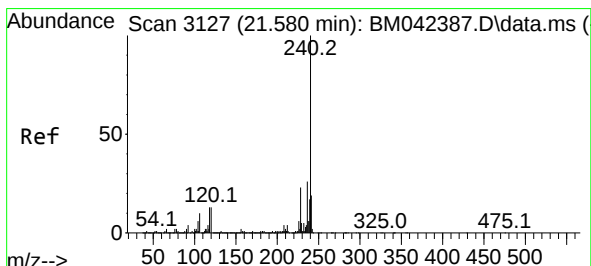
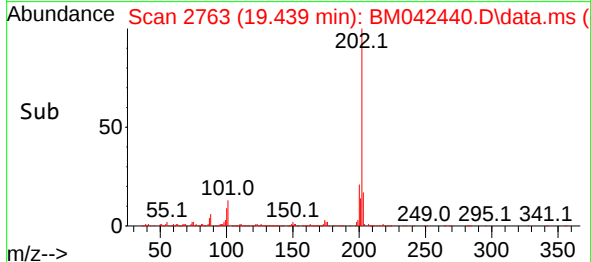
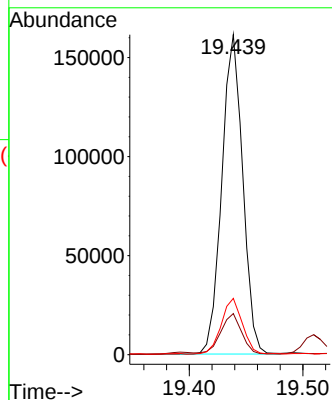
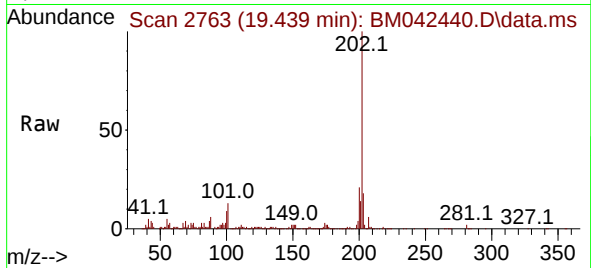




#75
Fluoranthene
Concen: 4.552 ng
RT: 19.439 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

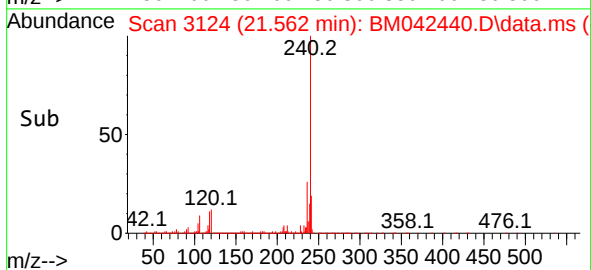
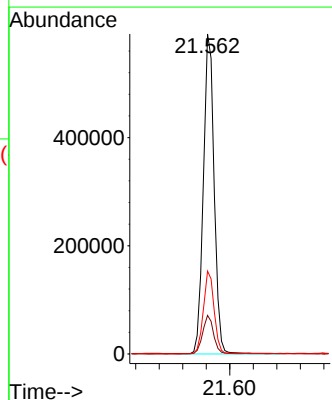
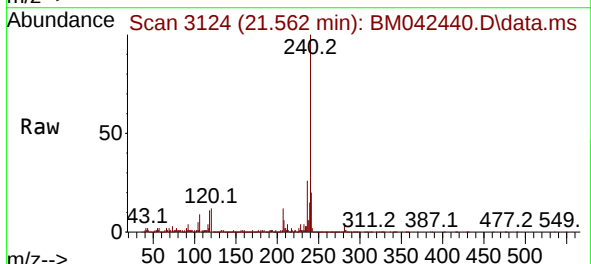
Instrument :
BNA_M
ClientSampleId :
213

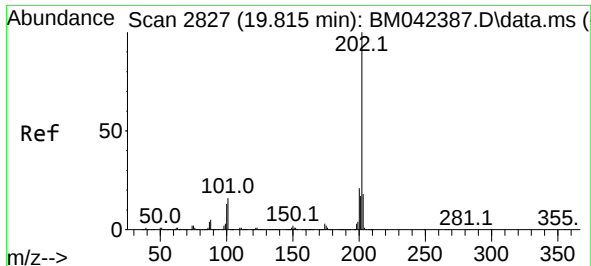
Tgt Ion:202 Resp: 206831
Ion Ratio Lower Upper
202 100
101 12.9 0.0 33.3
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.562 min Scan# 3124
Delta R.T. -0.018 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Tgt Ion:240 Resp: 754017
Ion Ratio Lower Upper
240 100
120 12.0 10.7 16.1
236 25.9 20.7 31.1

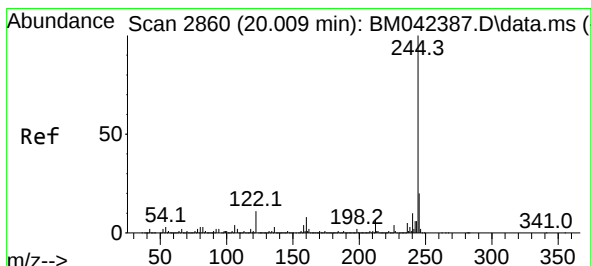
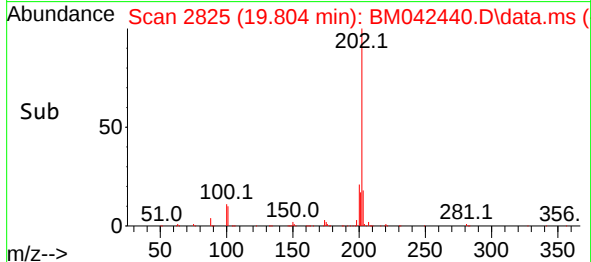
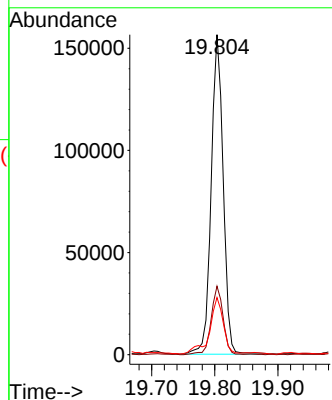
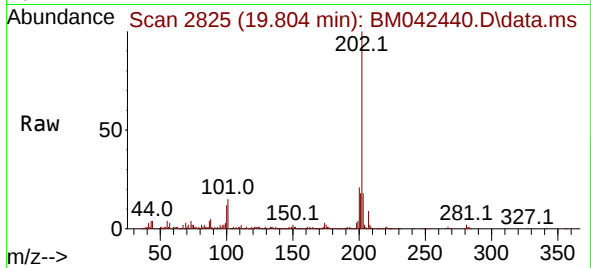




#78
Pyrene
Concen: 3.937 ng
RT: 19.804 min Scan# 213
Delta R.T. -0.012 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

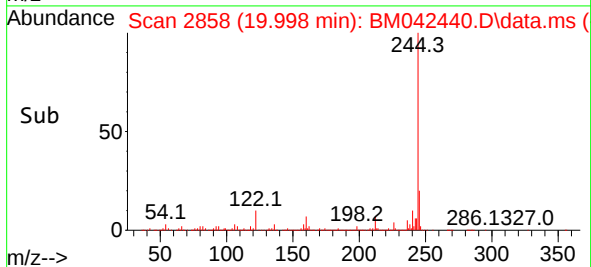
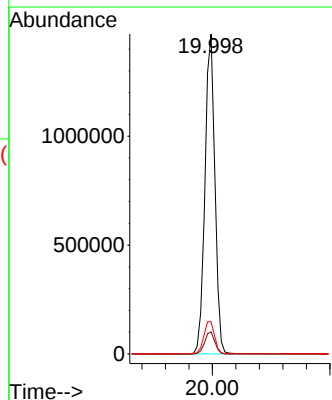
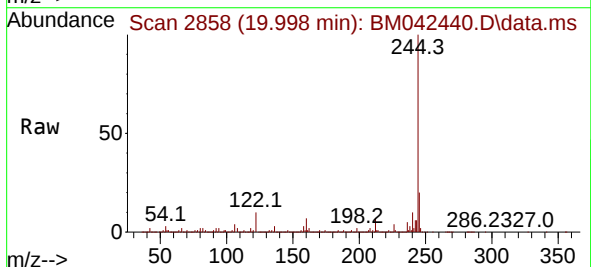
Instrument :
BNA_M
ClientSampleId :
213

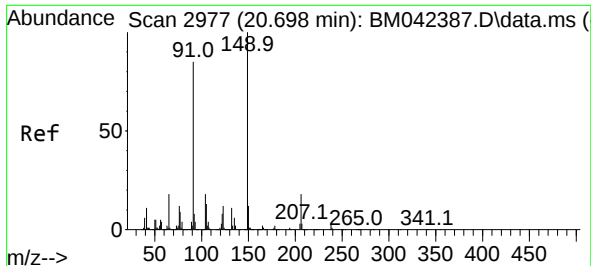
Tgt Ion:202 Resp: 207442
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.9 14.1 21.1



#79
Terphenyl-d14
Concen: 40.752 ng
RT: 19.998 min Scan# 2858
Delta R.T. -0.011 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Tgt Ion:244 Resp: 1732606
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.1 8.8 13.2

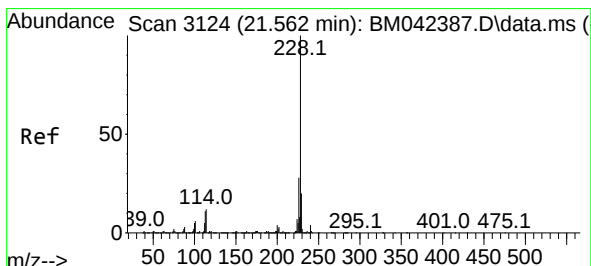
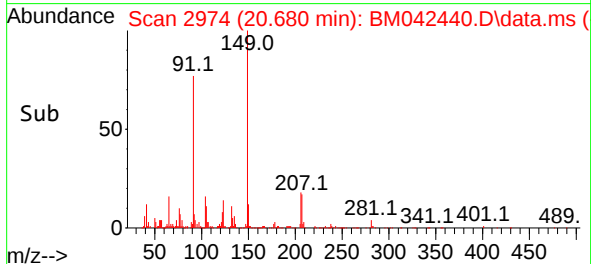
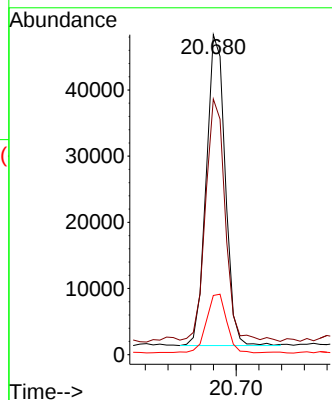
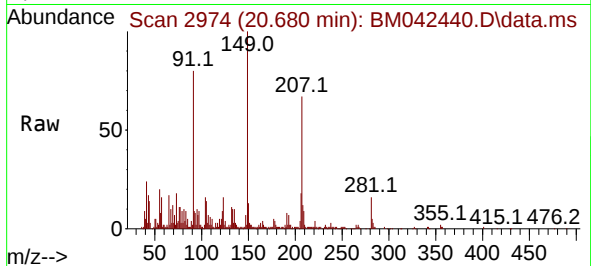




#80
Butylbenzylphthalate
Concen: 5.383 ng
RT: 20.680 min Scan# 213
Delta R.T. -0.018 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

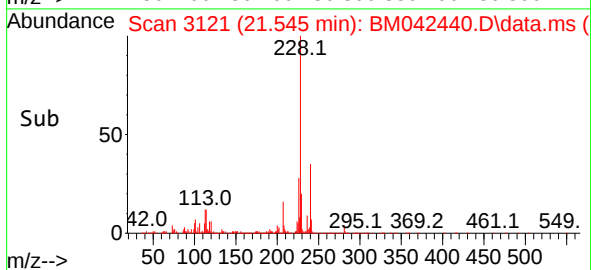
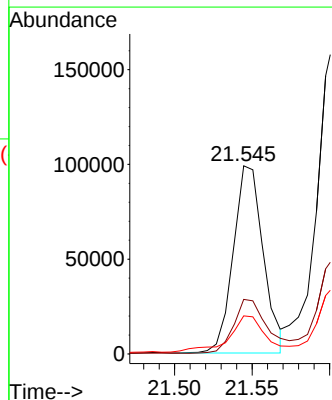
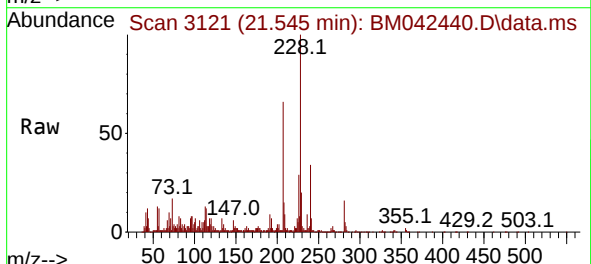
Instrument :
BNA_M
ClientSampleId :
213

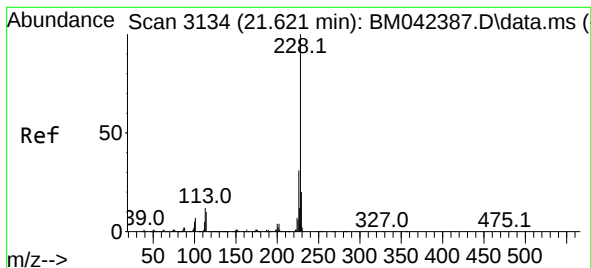
Tgt Ion:149 Resp: 54448
Ion Ratio Lower Upper
149 100
91 79.9 68.3 102.5
206 18.5 14.6 22.0



#81
Benzo(a)anthracene
Concen: 2.627 ng
RT: 21.545 min Scan# 3121
Delta R.T. -0.017 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Tgt Ion:228 Resp: 132774
Ion Ratio Lower Upper
228 100
226 29.0 22.2 33.4
229 20.2 15.7 23.5





#83

Chrysene

Concen: 4.735 ng

RT: 21.603 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM042440.D

Acq: 25 Oct 2023 16:35

Instrument :

BNA_M

ClientSampleId :

213

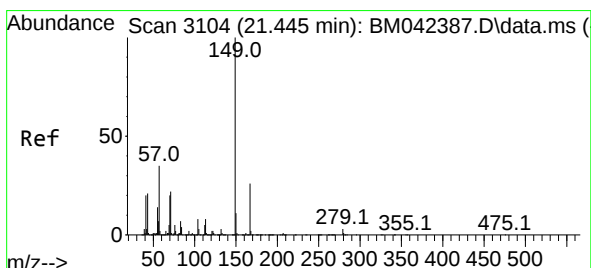
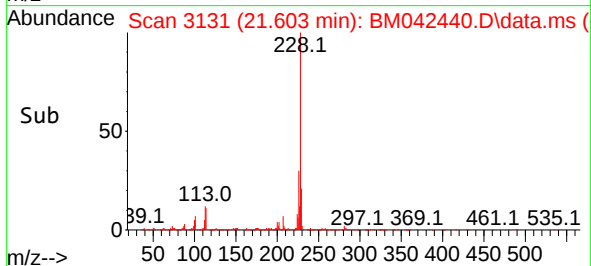
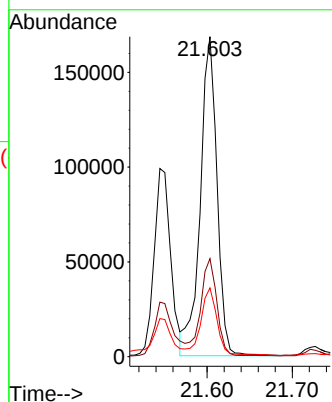
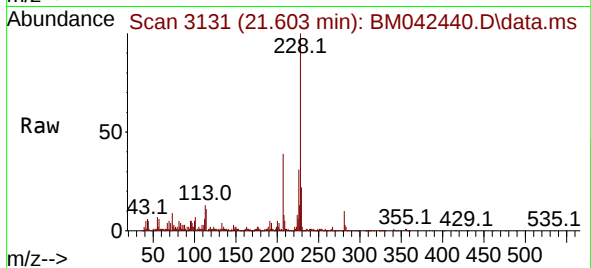
Tgt Ion:228 Resp: 229884

Ion Ratio Lower Upper

228 100

226 30.7 24.6 36.8

229 21.5 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.617 ng

RT: 21.427 min Scan# 3101

Delta R.T. -0.018 min

Lab File: BM042440.D

Acq: 25 Oct 2023 16:35

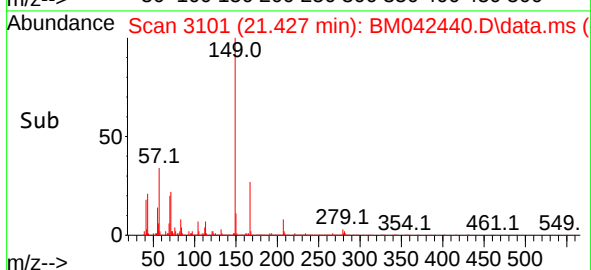
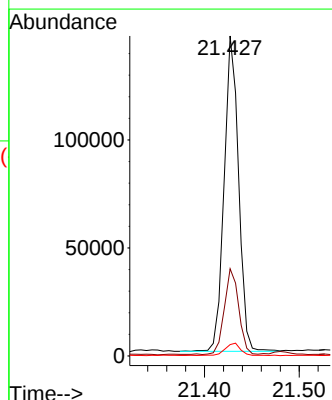
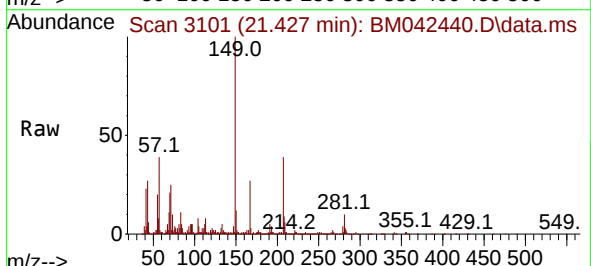
Tgt Ion:149 Resp: 155155

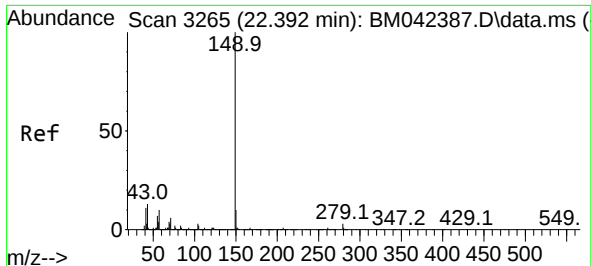
Ion Ratio Lower Upper

149 100

167 27.3 20.9 31.3

279 3.6 2.7 4.1

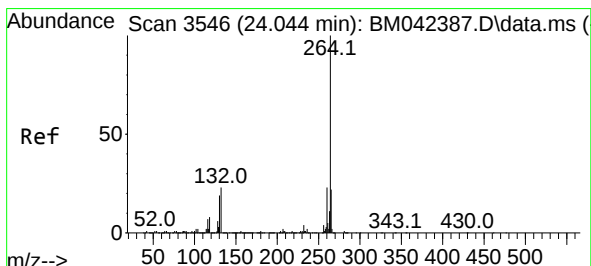
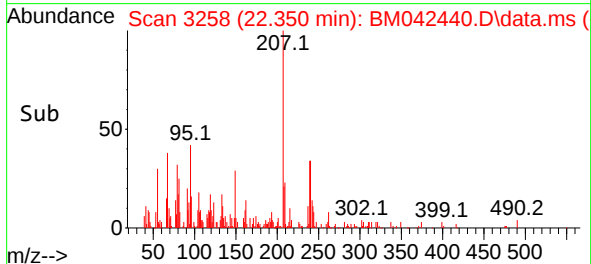
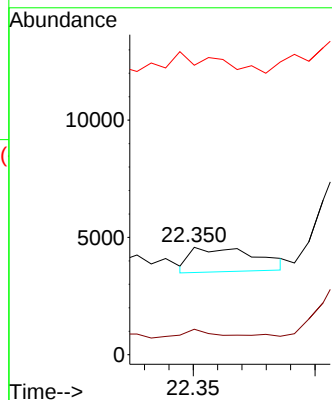
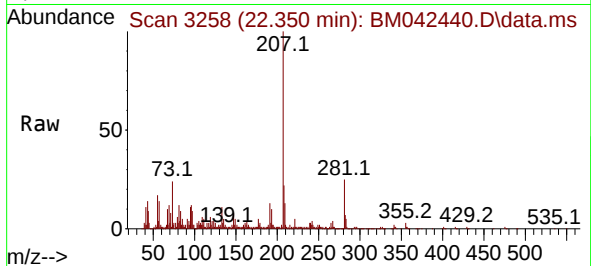




#85
Di-n-octyl phthalate
Concen: 4.249 ng
RT: 22.350 min Scan# 31
Delta R.T. -0.042 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

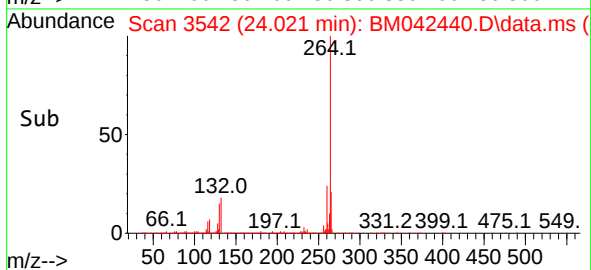
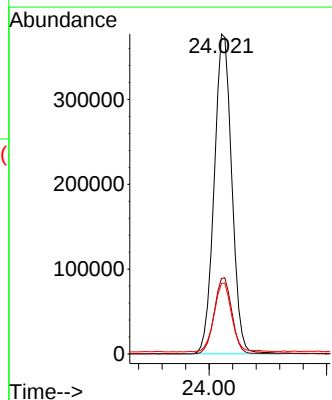
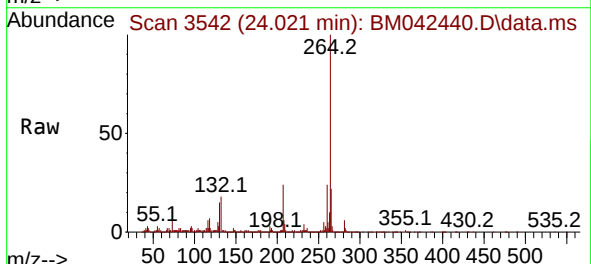
Instrument :
BNA_M
ClientSampleId :
213

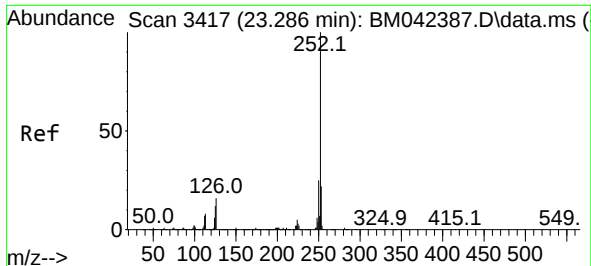
Tgt Ion:149 Resp: 1955
Ion Ratio Lower Upper
149 100
167 19.9 1.2 1.8#
43 66.0 11.0 16.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.021 min Scan# 3542
Delta R.T. -0.023 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Tgt Ion:264 Resp: 783187
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 22.0 17.8 26.8

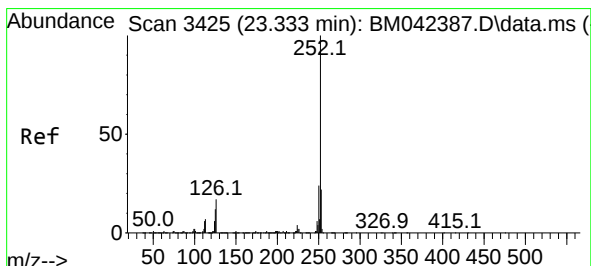
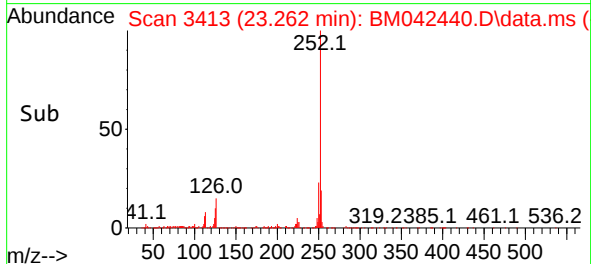
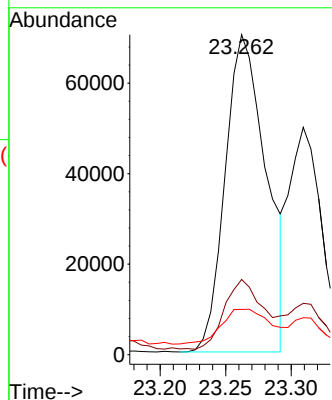
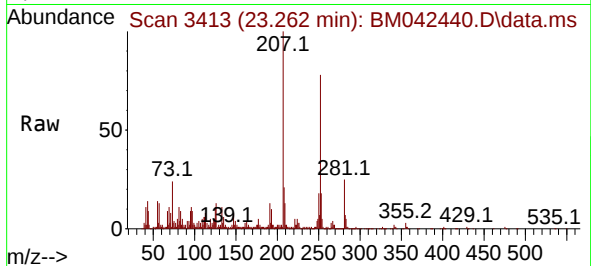




#88
Benzo(b)fluoranthene
Concen: 3.233 ng
RT: 23.262 min Scan# 3413
Delta R.T. -0.023 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

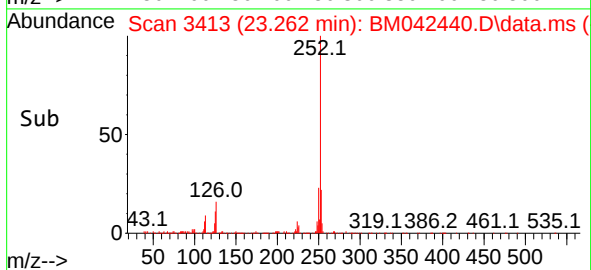
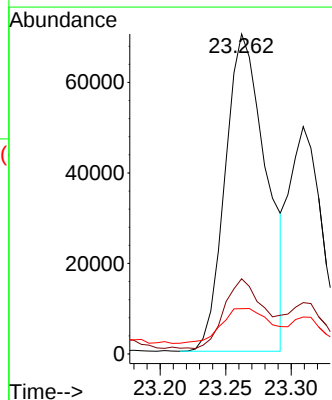
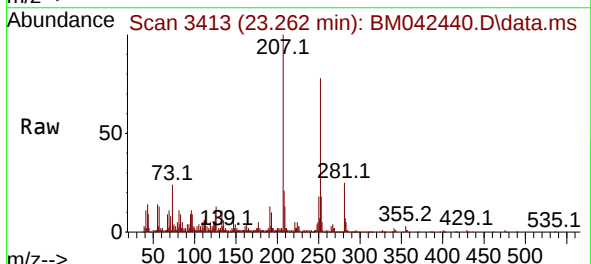
Instrument :
BNA_M
ClientSampleId :
213

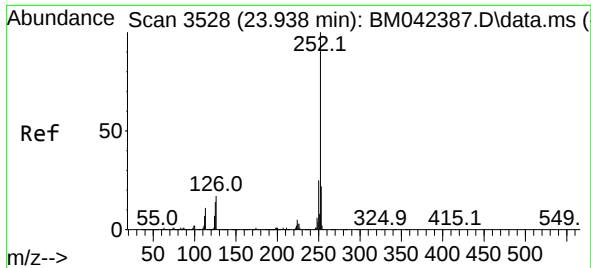
Tgt Ion:252 Resp: 152415
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 14.2 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 3.114 ng
RT: 23.262 min Scan# 3413
Delta R.T. -0.071 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Tgt Ion:252 Resp: 152415
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 14.2 10.2 15.2





#90
 Benzo(a)pyrene
 Concen: 2.517 ng
 RT: 23.909 min Scan# 31
 Delta R.T. -0.029 min
 Lab File: BM042440.D
 Acq: 25 Oct 2023 16:35

Instrument :
 BNA_M
 ClientSampleId :
 213

Tgt Ion:252 Resp: 114190
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.9 26.9
 125 16.9 10.9 16.3#

