

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
 Data File : BM039413.D
 Acq On : 13 Apr 2023 16:20
 Operator : CG/JU
 Sample : 02262-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-2-040723

Quant Time: Apr 13 17:19:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 11 16:05:42 2023
 Response via : Initial Calibration

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

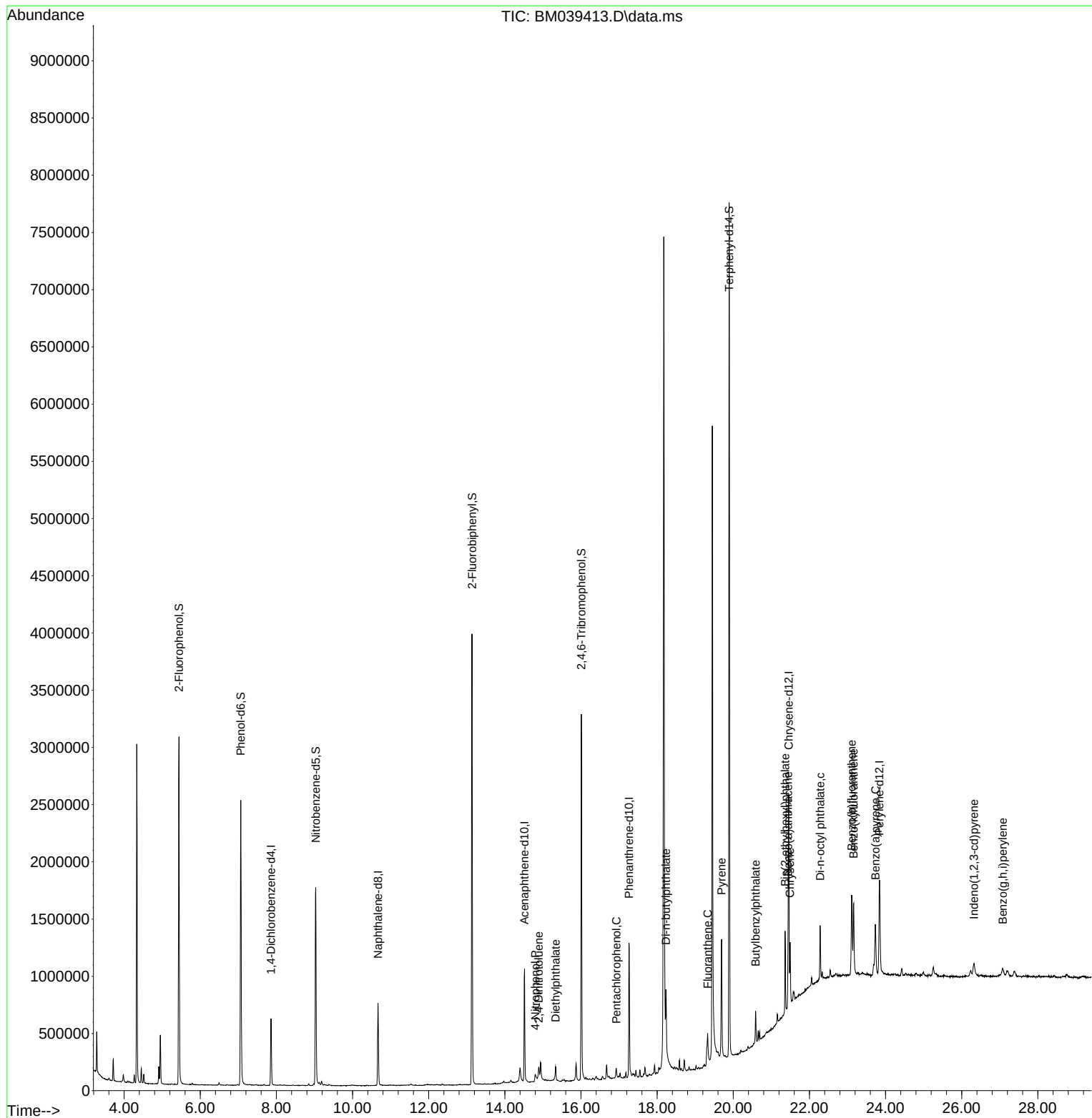
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	155454	20.000	ng	0.00
21) Naphthalene-d8	10.669	136	596158	20.000	ng	0.00
39) Acenaphthene-d10	14.516	164	325907	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	722246	20.000	ng	0.00
76) Chrysene-d12	21.456	240	842994	20.000	ng	0.00
86) Perylene-d12	23.839	264	533409	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1310063	126.966	ng	0.02
7) Phenol-d6	7.063	99	1492159	111.808	ng	0.03
23) Nitrobenzene-d5	9.034	82	1062027	86.583	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	562060	135.859	ng	0.00
45) 2-Fluorobiphenyl	13.139	172	2110524	87.742	ng	0.00
79) Terphenyl-d14	19.892	244	3667916	80.388	ng	0.00
Target Compounds						
						Qvalue
56) 4-Nitrophenol	14.804	139	29284	6.082	ng	88
57) 2,4-Dinitrotoluene	14.892	165	46106	6.310	ng	# 86
60) Diethylphthalate	15.333	149	97112	3.841	ng	99
70) Pentachlorophenol	16.927	266	21722	3.620	ng	96
74) Di-n-butylphthalate	18.233	149	399542	8.570	ng	100
75) Fluoranthene	19.327	202	90226	2.001	ng	97
78) Pyrene	19.692	202	761920	12.696	ng	99
80) Butylbenzylphthalate	20.586	149	94610	3.441	ng	94
81) Benzo(a)anthracene	21.439	228	267460	4.499	ng	99
83) Chrysene	21.492	228	302981	5.279	ng	99
84) Bis(2-ethylhexyl)phtha...	21.362	149	257407	6.339	ng	99
85) Di-n-octyl phthalate	22.280	149	342896	4.687	ng	97
87) Indeno(1,2,3-cd)pyrene	26.321	276	105230	2.678	ng	98
88) Benzo(b)fluoranthene	23.109	252	537024	16.454	ng	98
89) Benzo(k)fluoranthene	23.162	252	540430	16.256	ng	98
90) Benzo(a)pyrene	23.733	252	373858	11.660	ng	98
92) Benzo(g,h,i)perylene	27.080	276	77201	2.379	ng	96

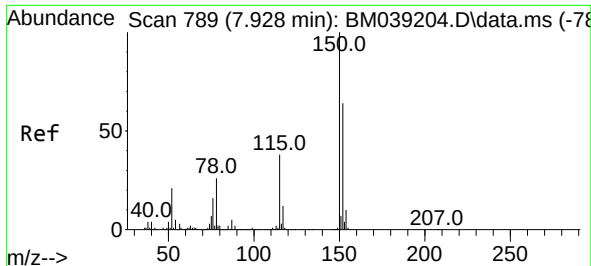
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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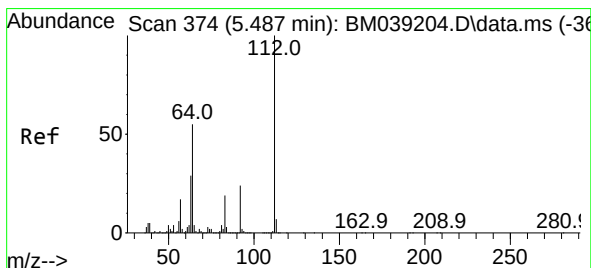
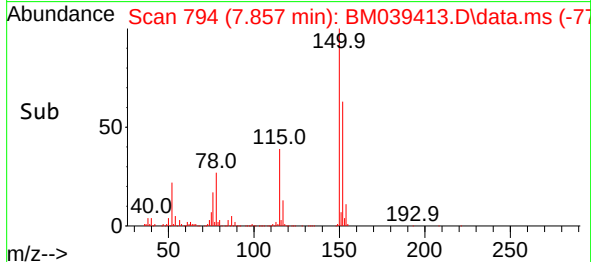
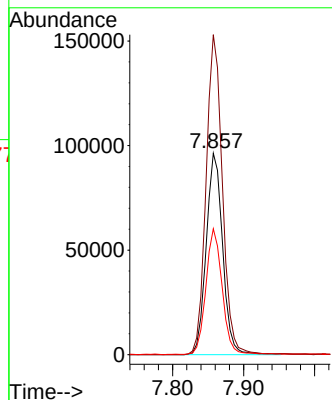
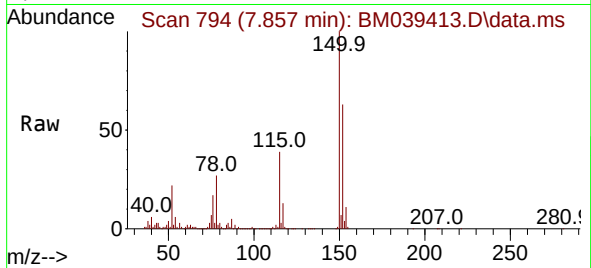




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 794
Delta R.T. -0.006 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

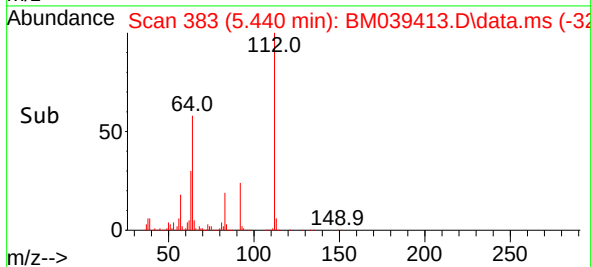
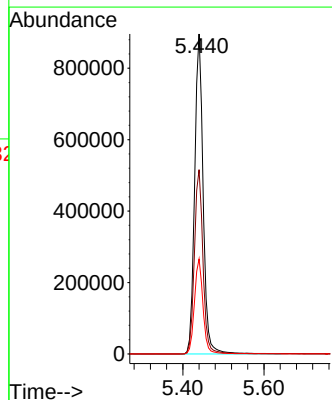
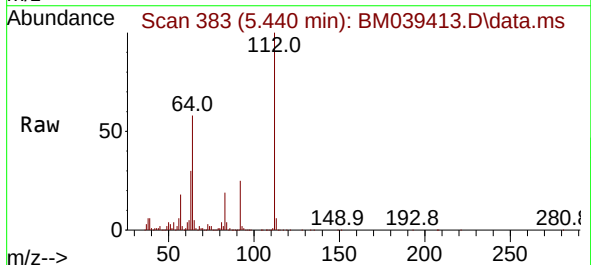
Instrument :
BNA_M
ClientSampleId :
JPP-2-040723

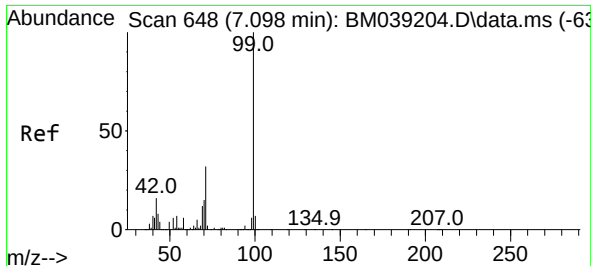
Tgt Ion:152 Resp: 155454
Ion Ratio Lower Upper
152 100
150 158.9 125.5 188.3
115 62.5 48.1 72.1



#5
2-Fluorophenol
Concen: 126.966 ng
RT: 5.440 min Scan# 383
Delta R.T. 0.018 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

Tgt Ion:112 Resp: 1310063
Ion Ratio Lower Upper
112 100
64 57.6 44.3 66.5
63 29.7 23.0 34.6

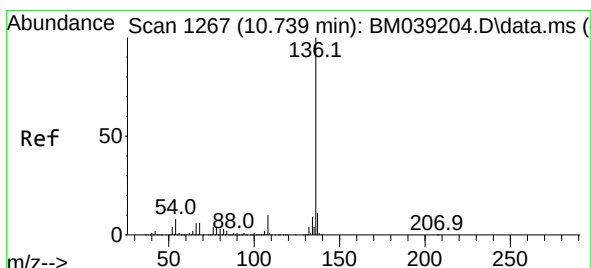
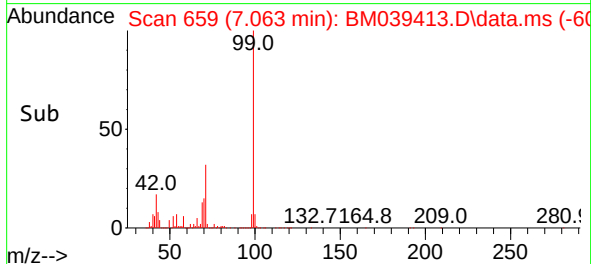
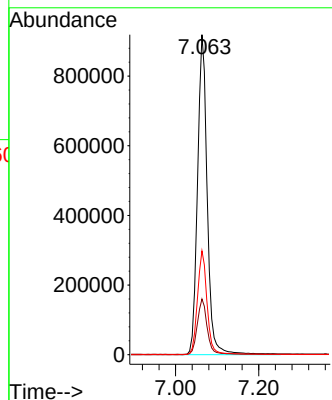
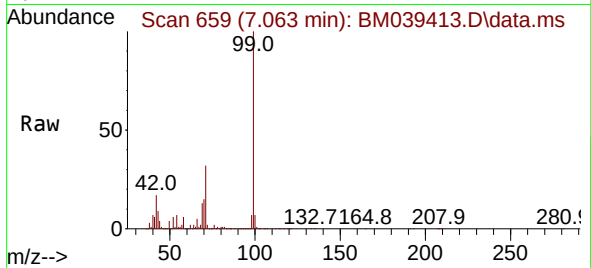




#7
Phenol-d6
Concen: 111.808 ng
RT: 7.063 min Scan# 61
Delta R.T. 0.030 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

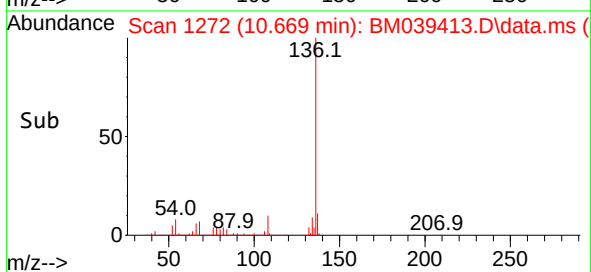
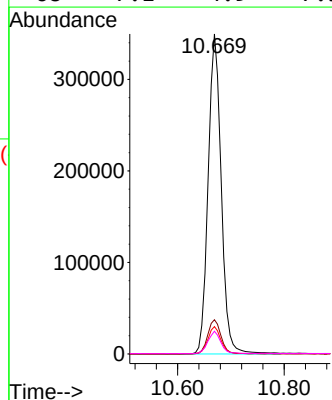
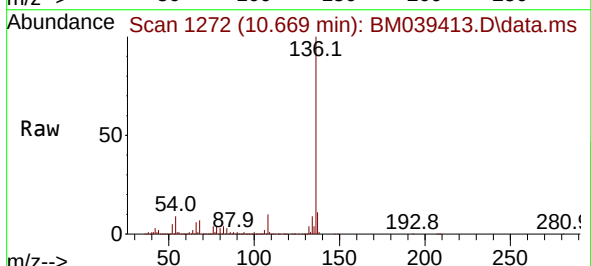
Instrument :
BNA_M
ClientSampleId :
JPP-2-040723

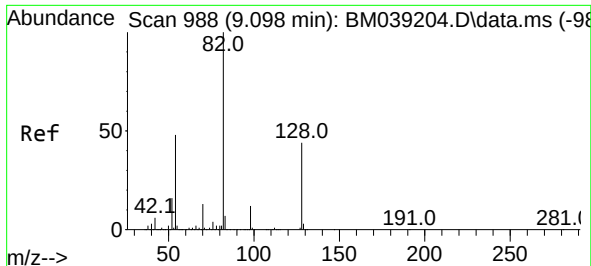
Tgt Ion: 99 Resp: 1492159
Ion Ratio Lower Upper
99 100
42 17.4 13.0 19.6
71 32.5 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.669 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

Tgt Ion: 136 Resp: 596158
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.6 6.2 9.4
68 7.1 4.9 7.3

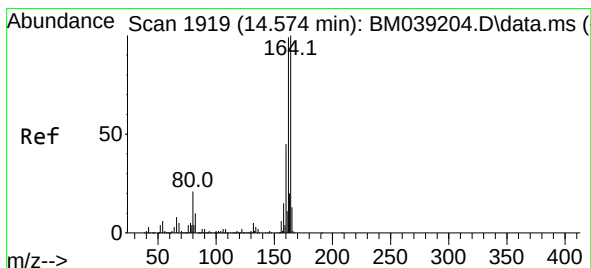
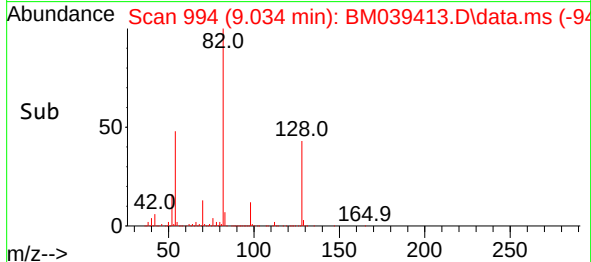
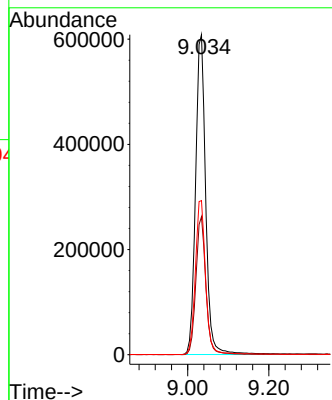
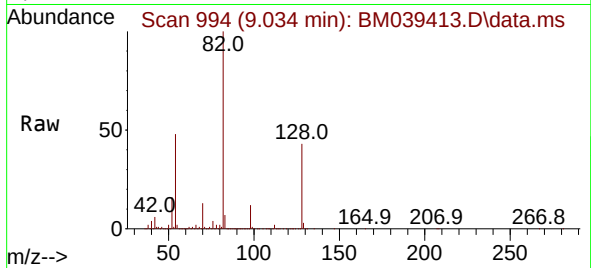




#23
Nitrobenzene-d5
Concen: 86.583 ng
RT: 9.034 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

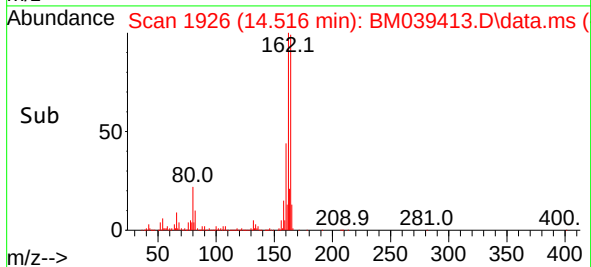
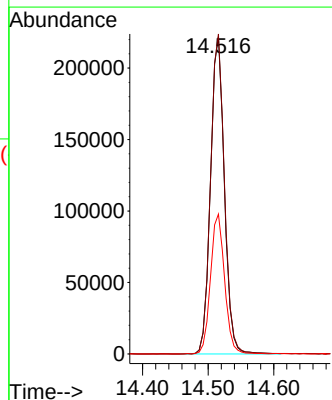
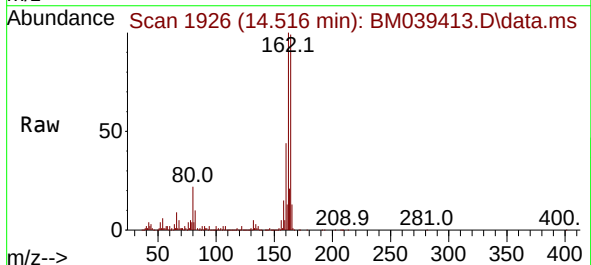
Instrument :
BNA_M
ClientSampleId :
JPP-2-040723

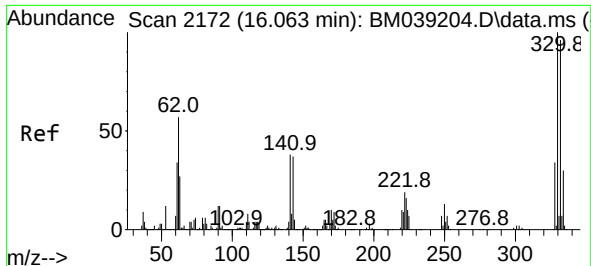
Tgt Ion: 82 Resp: 1062027
Ion Ratio Lower Upper
82 100
128 43.1 35.1 52.7
54 48.1 38.5 57.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

Tgt Ion: 164 Resp: 325907
Ion Ratio Lower Upper
164 100
162 100.9 79.1 118.7
160 44.1 35.8 53.8





#42

2,4,6-Tribromophenol

Concen: 135.859 ng

RT: 16.010 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

Instrument :

BNA_M

ClientSampleId :

JPP-2-040723

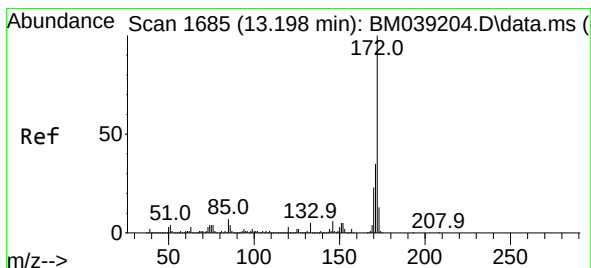
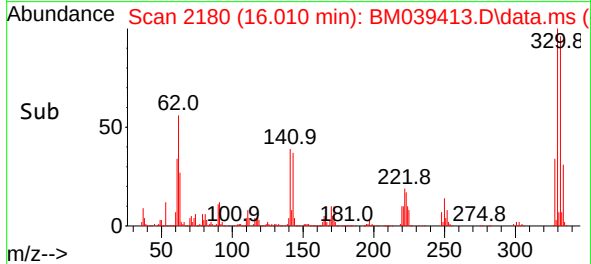
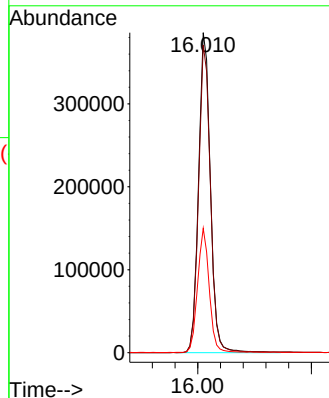
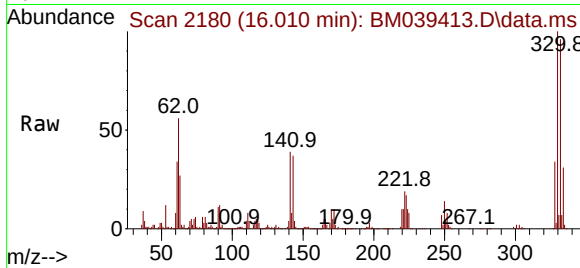
Tgt Ion:330 Resp: 562060

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.0

141 37.8 29.8 44.6



#45

2-Fluorobiphenyl

Concen: 87.742 ng

RT: 13.139 min Scan# 1692

Delta R.T. 0.000 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

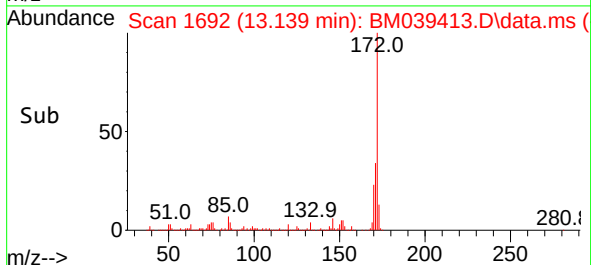
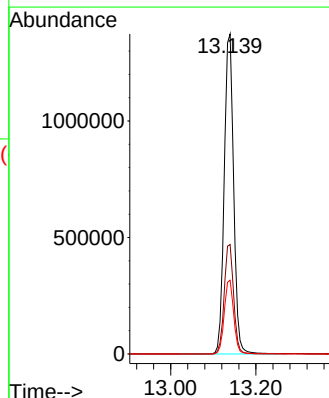
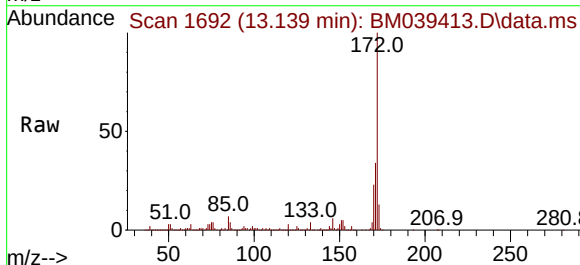
Tgt Ion:172 Resp: 2110524

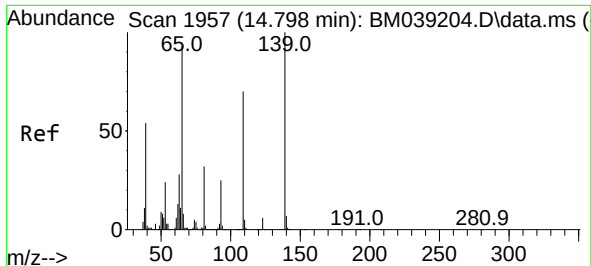
Ion Ratio Lower Upper

172 100

171 34.2 28.0 42.0

170 23.1 18.7 28.1

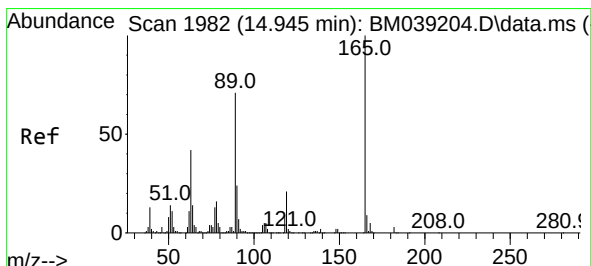
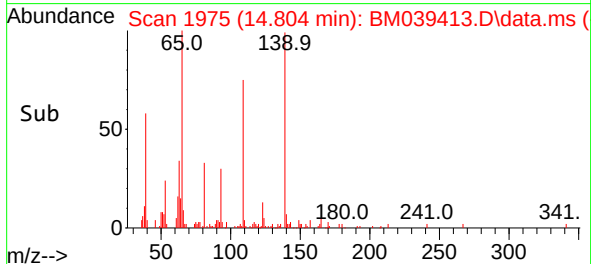
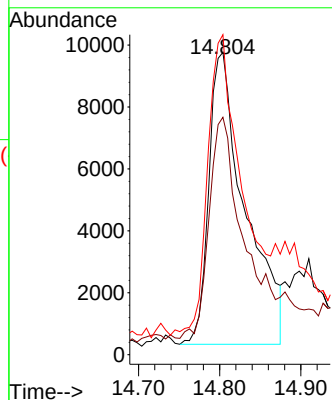
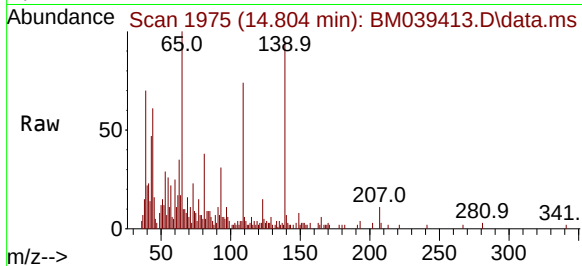




#56
4-Nitrophenol
Concen: 6.082 ng
RT: 14.804 min Scan# 1990
Delta R.T. 0.047 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

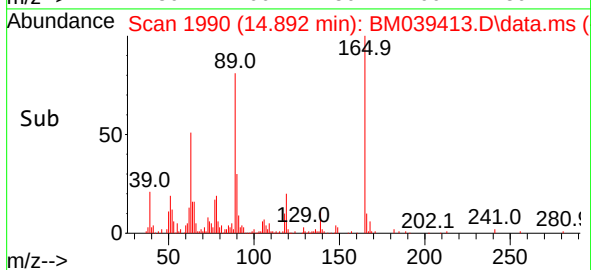
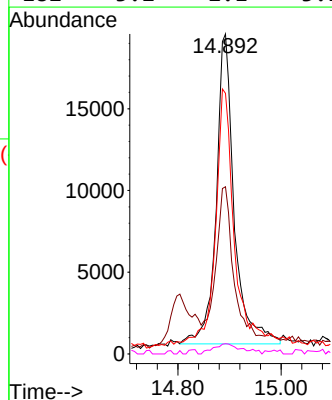
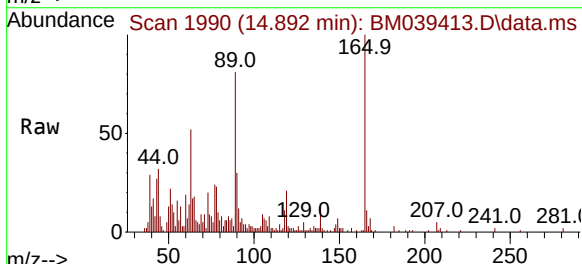
Instrument :
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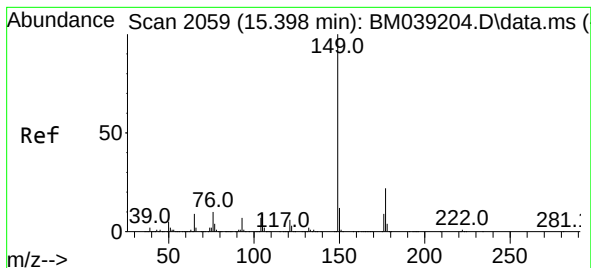
Tgt Ion:139 Resp: 29284
Ion Ratio Lower Upper
139 100
109 78.5 49.6 89.6
65 105.8 72.9 112.9



#57
2,4-Dinitrotoluene
Concen: 6.310 ng
RT: 14.892 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

Tgt Ion:165 Resp: 46106
Ion Ratio Lower Upper
165 100
63 52.2 33.5 50.3#
89 81.4 56.7 85.1
182 3.2 2.1 3.1#

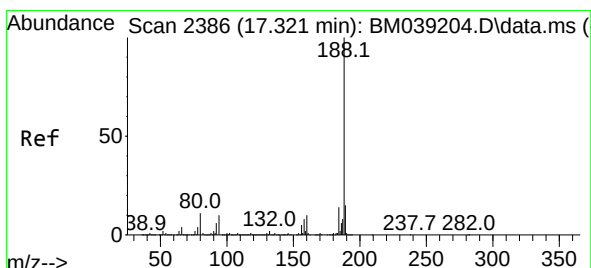
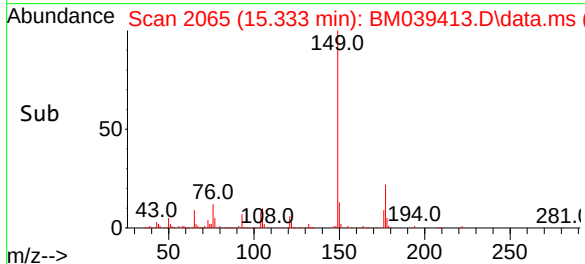
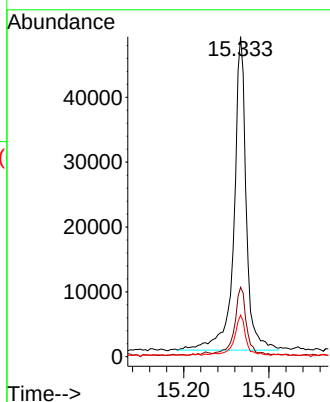
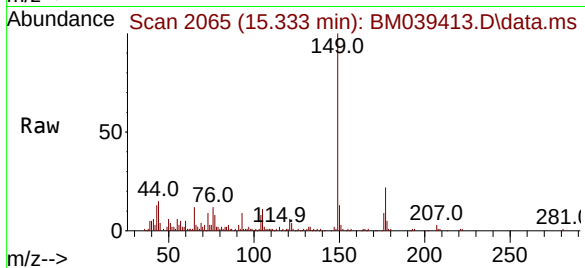




#60
Diethylphthalate
Concen: 3.841 ng
RT: 15.333 min Scan# 2059
Delta R.T. -0.012 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

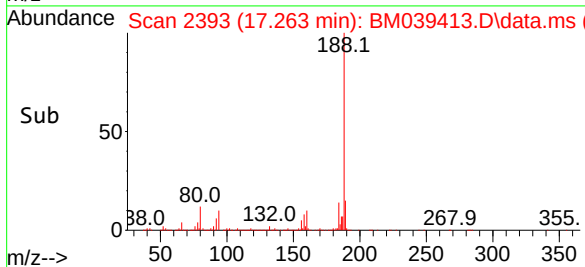
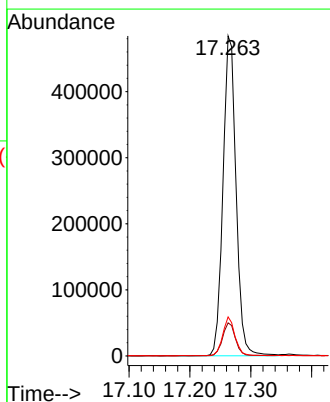
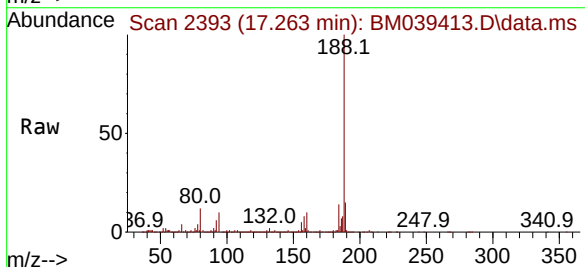
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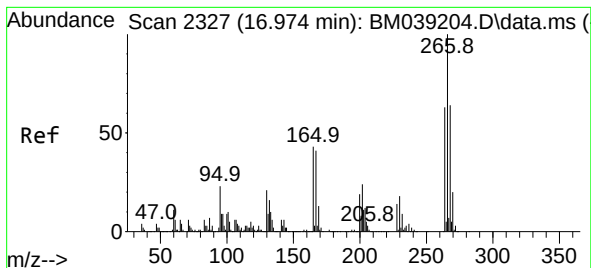
Tgt Ion:149 Resp: 97112
Ion Ratio Lower Upper
149 100
177 21.7 17.7 26.5
150 13.0 9.8 14.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2393
Delta R.T. -0.006 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

Tgt Ion:188 Resp: 722246
Ion Ratio Lower Upper
188 100
94 10.3 8.2 12.4
80 12.2 8.9 13.3





#70

Pentachlorophenol

Concen: 3.620 ng

RT: 16.927 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

Instrument :

BNA_M

ClientSampleId :

JPP-2-040723

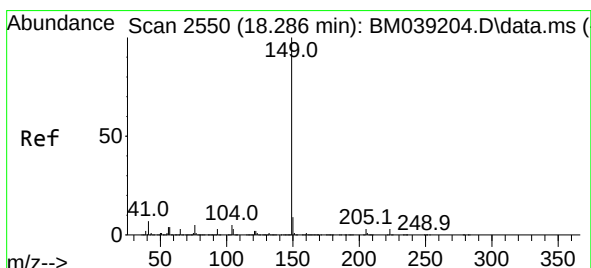
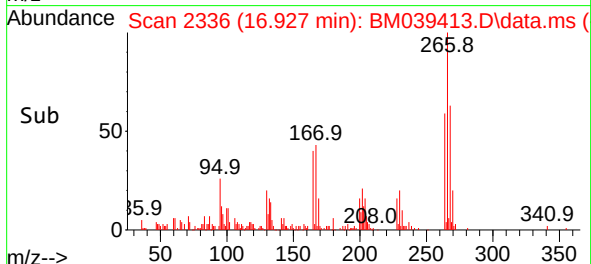
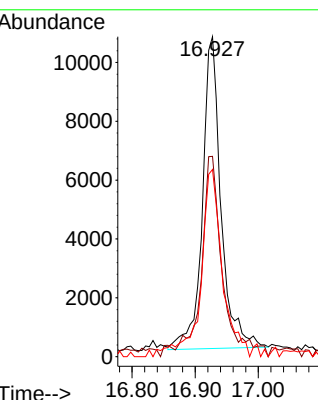
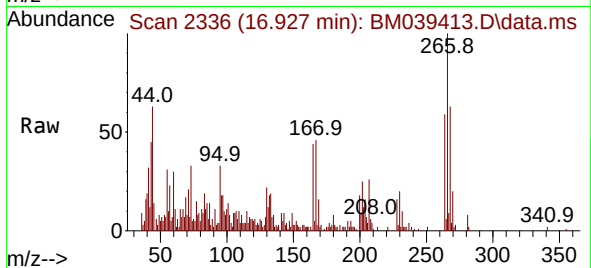
Tgt Ion:266 Resp: 21722

Ion Ratio Lower Upper

266 100

268 62.6 51.4 77.2

264 58.5 50.2 75.4



#74

Di-n-butylphthalate

Concen: 8.570 ng

RT: 18.233 min Scan# 2558

Delta R.T. -0.006 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

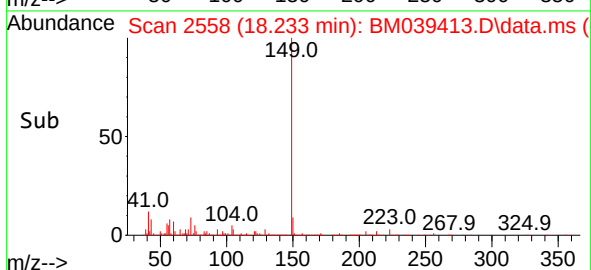
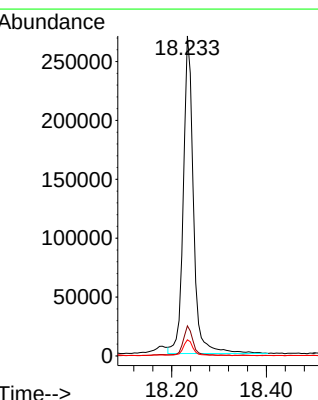
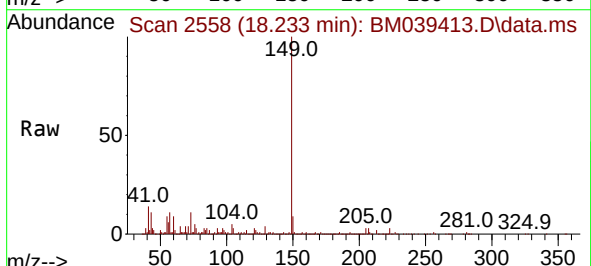
Tgt Ion:149 Resp: 399542

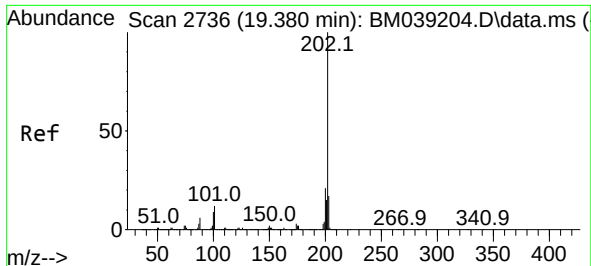
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 5.1 4.1 6.1

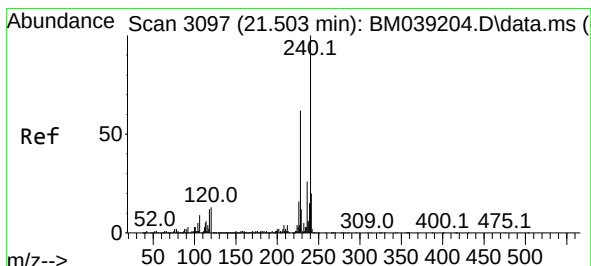
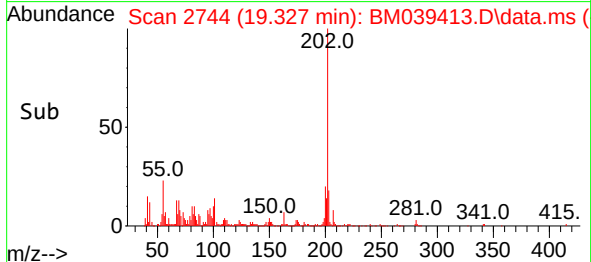
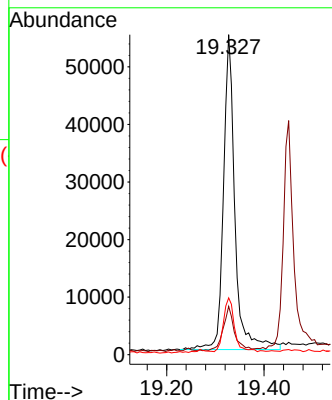
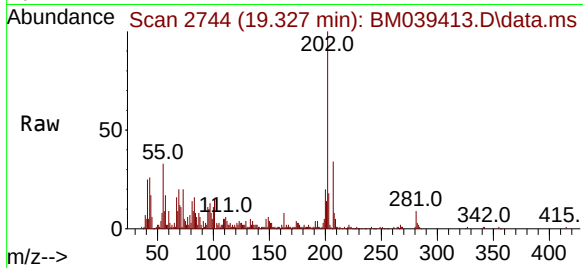




#75
Fluoranthene
Concen: 2.001 ng
RT: 19.327 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

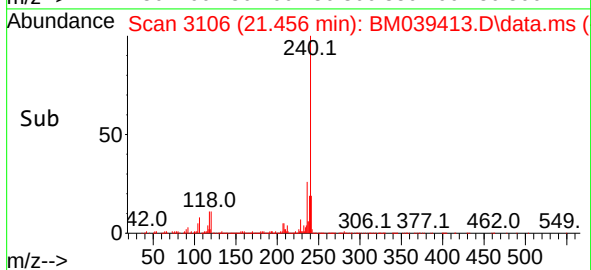
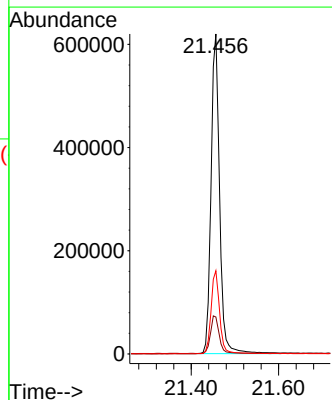
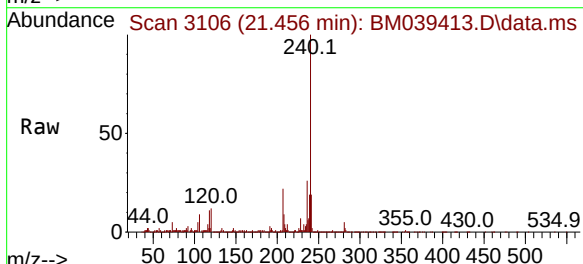
Instrument :
BNA_M
ClientSampleId :
JPP-2-040723

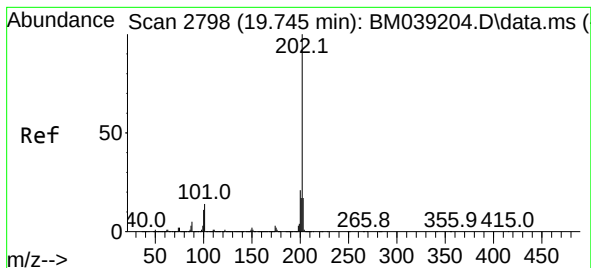
Tgt Ion:202 Resp: 90226
Ion Ratio Lower Upper
202 100
101 15.1 0.0 32.5
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

Tgt Ion:240 Resp: 842994
Ion Ratio Lower Upper
240 100
120 11.5 10.2 15.2
236 26.0 20.9 31.3





#78

Pyrene

Concen: 12.696 ng

RT: 19.692 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

Instrument :

BNA_M

ClientSampleId :

JPP-2-040723

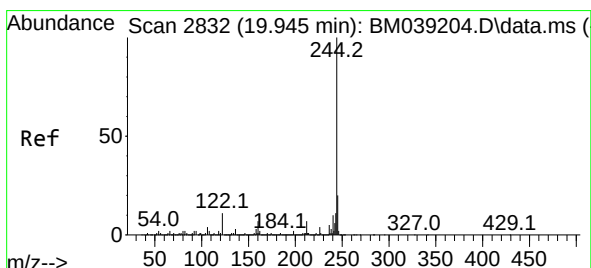
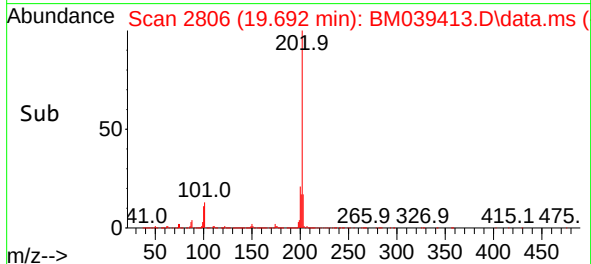
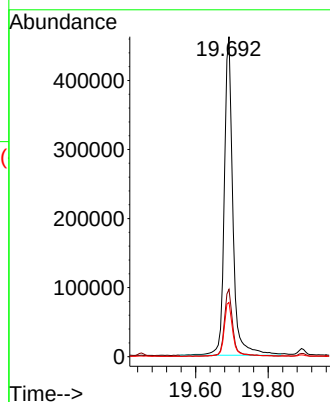
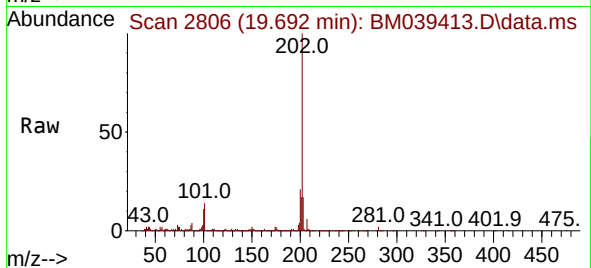
Tgt Ion:202 Resp: 761920

Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 16.9 13.9 20.9



#79

Terphenyl-d14

Concen: 80.388 ng

RT: 19.892 min Scan# 2840

Delta R.T. -0.006 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

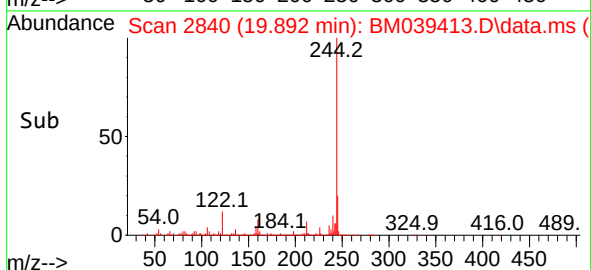
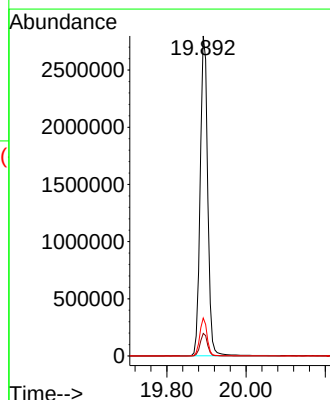
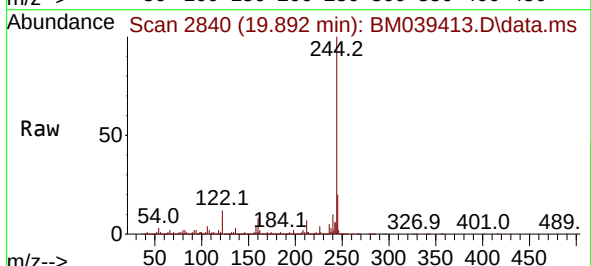
Tgt Ion:244 Resp: 3667916

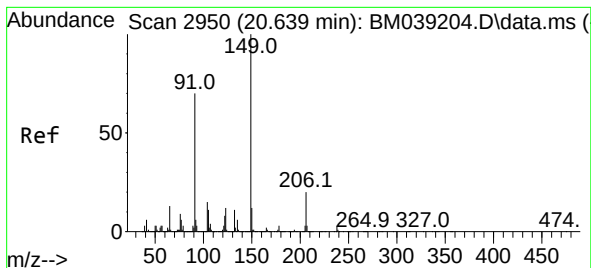
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 11.9 9.1 13.7





#80

Butylbenzylphthalate

Concen: 3.441 ng

RT: 20.586 min Scan# 2950

Delta R.T. -0.012 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

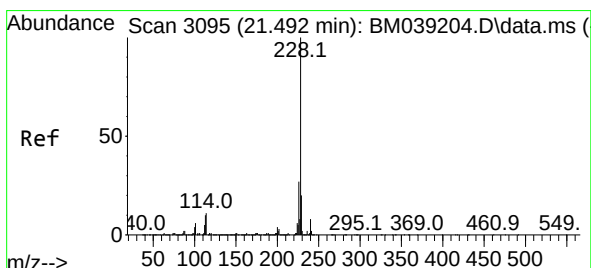
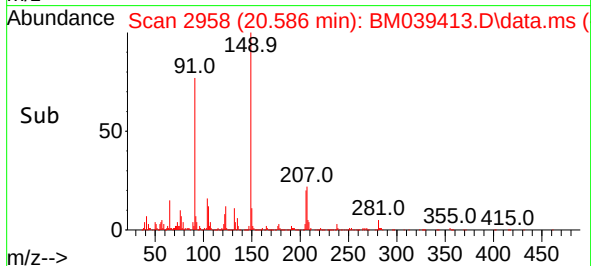
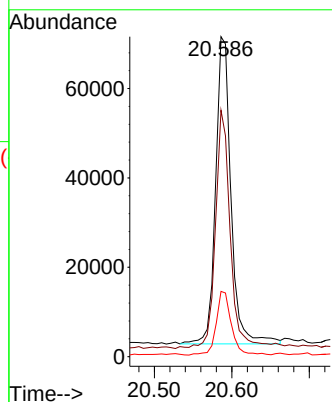
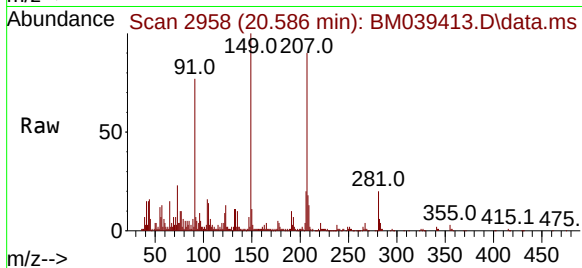
Instrument :

BNA_M

ClientSampleId :

JPP-2-040723

Tgt Ion:	149	Resp:	94610
Ion Ratio	Lower	Upper	
149	100		
91	77.0	56.3	84.5
206	20.4	16.4	24.6



#81

Benzo(a)anthracene

Concen: 4.499 ng

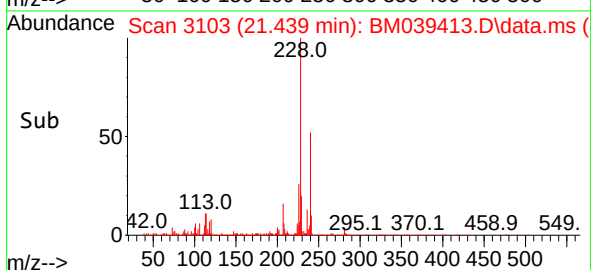
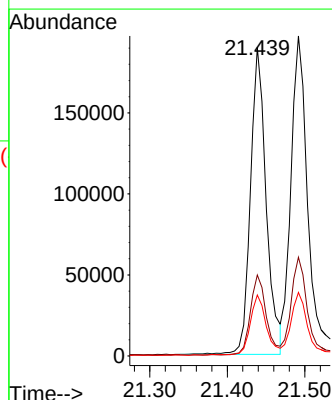
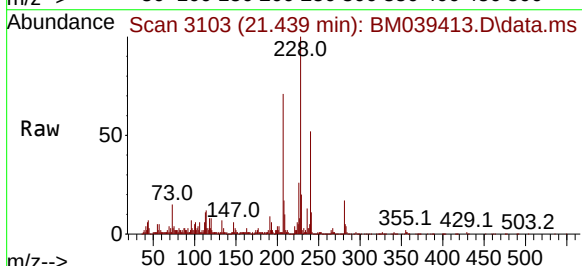
RT: 21.439 min Scan# 3103

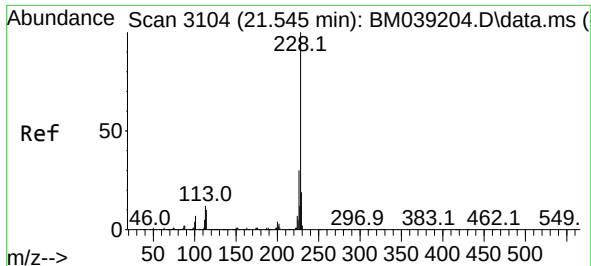
Delta R.T. -0.006 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

Tgt Ion:	228	Resp:	267460
Ion Ratio	Lower	Upper	
228	100		
226	26.2	21.9	32.9
229	19.8	15.8	23.6





#83

Chrysene

Concen: 5.279 ng

RT: 21.492 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

Instrument :

BNA_M

ClientSampleId :

JPP-2-040723

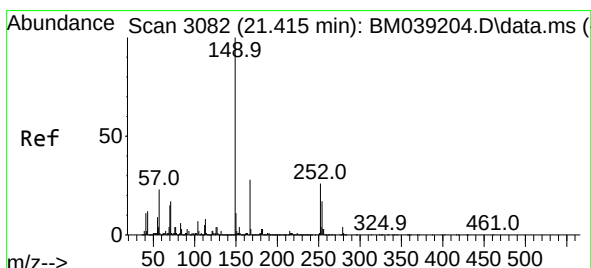
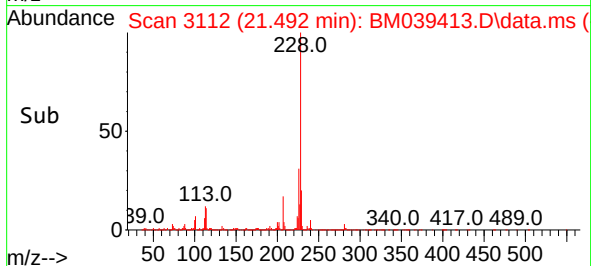
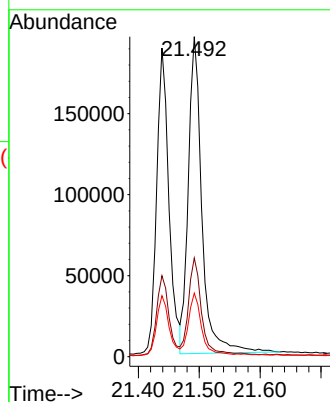
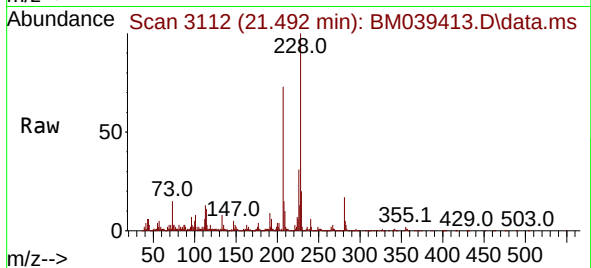
Tgt Ion:228 Resp: 302981

Ion Ratio Lower Upper

228 100

226 30.8 24.1 36.1

229 19.9 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.339 ng

RT: 21.362 min Scan# 3090

Delta R.T. -0.012 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

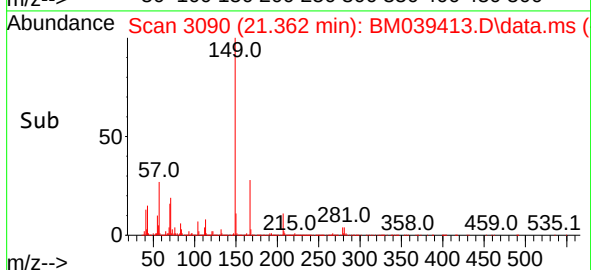
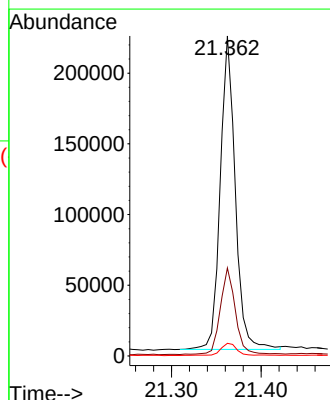
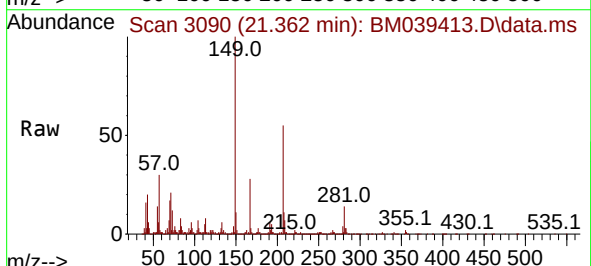
Tgt Ion:149 Resp: 257407

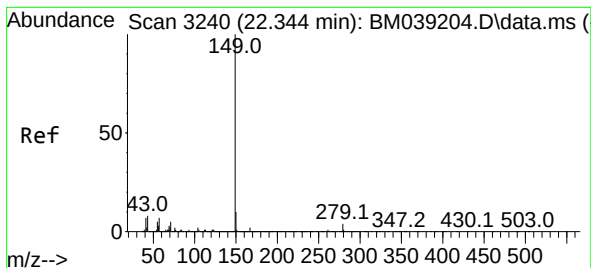
Ion Ratio Lower Upper

149 100

167 27.5 22.3 33.5

279 4.0 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 4.687 ng

RT: 22.280 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

Instrument :

BNA_M

ClientSampleId :

JPP-2-040723

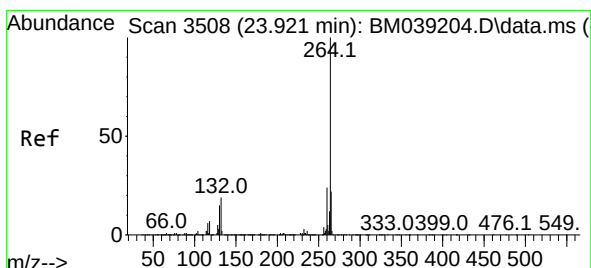
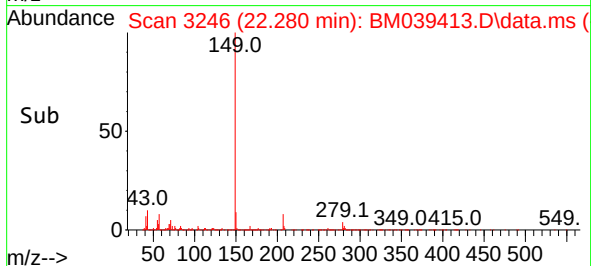
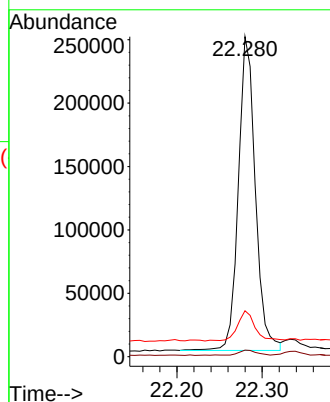
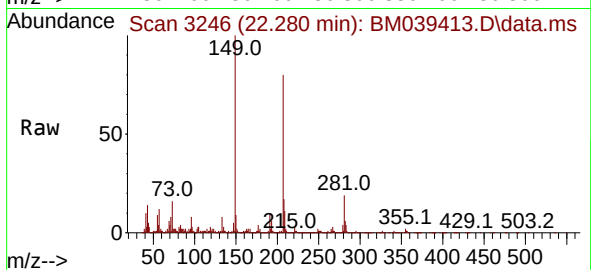
Tgt Ion:149 Resp: 342896

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 10.0 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.839 min Scan# 3511

Delta R.T. -0.012 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

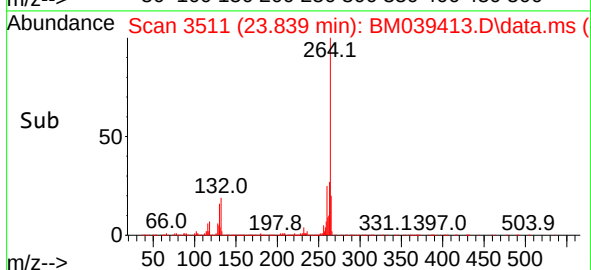
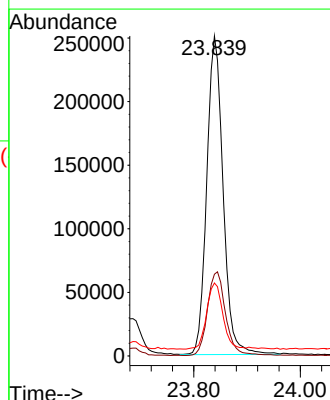
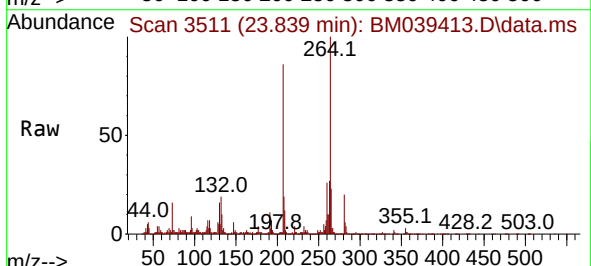
Tgt Ion:264 Resp: 533409

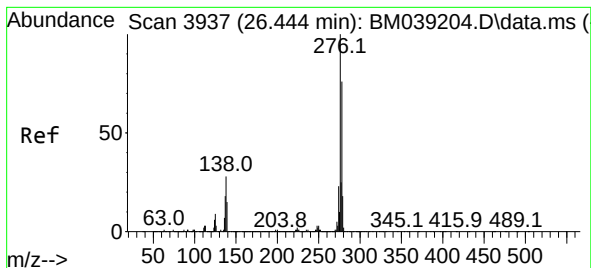
Ion Ratio Lower Upper

264 100

260 25.6 19.0 28.6

265 22.8 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.678 ng

RT: 26.321 min Scan# 3933

Delta R.T. -0.017 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

Instrument :

BNA_M

ClientSampleId :

JPP-2-040723

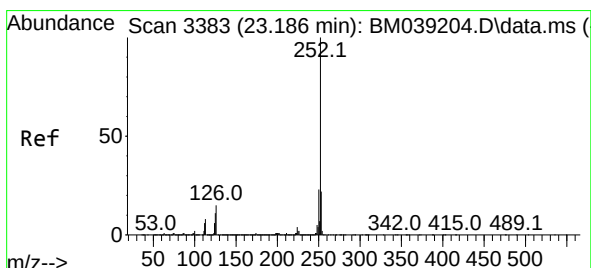
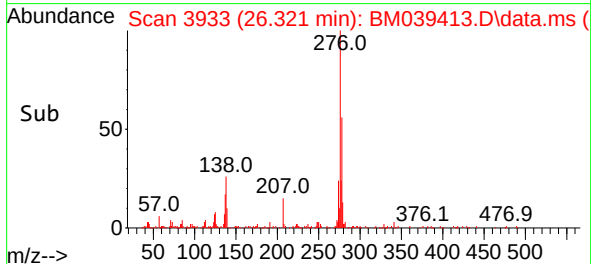
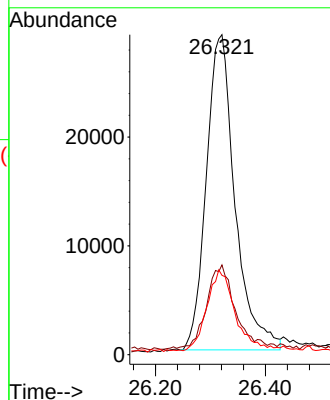
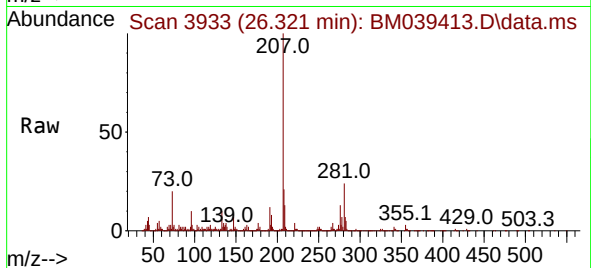
Tgt Ion:276 Resp: 105230

Ion Ratio Lower Upper

276 100

138 25.9 22.2 33.2

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 16.454 ng

RT: 23.109 min Scan# 3387

Delta R.T. -0.017 min

Lab File: BM039413.D

Acq: 13 Apr 2023 16:20

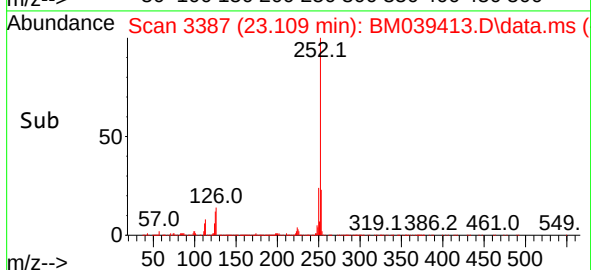
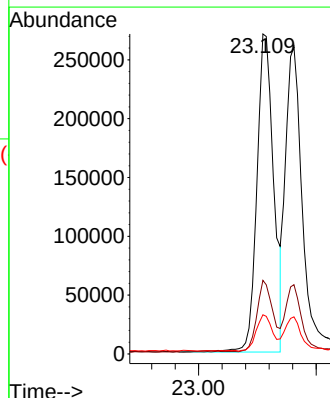
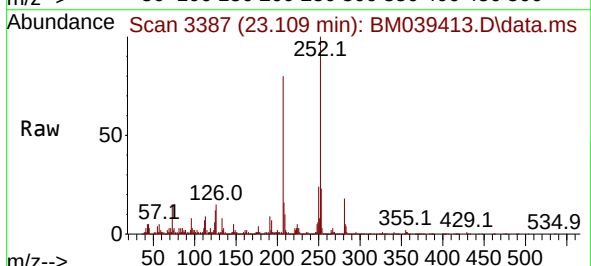
Tgt Ion:252 Resp: 537024

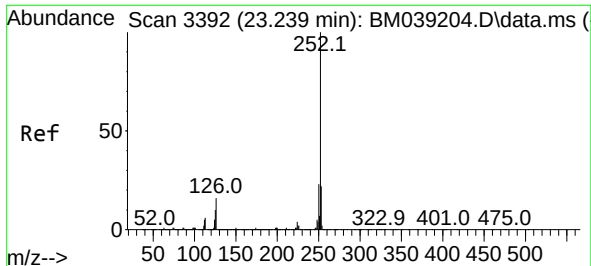
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 12.3 9.0 13.6

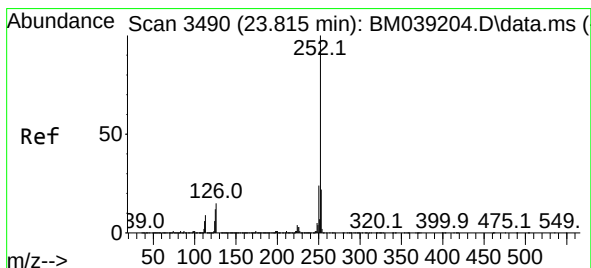
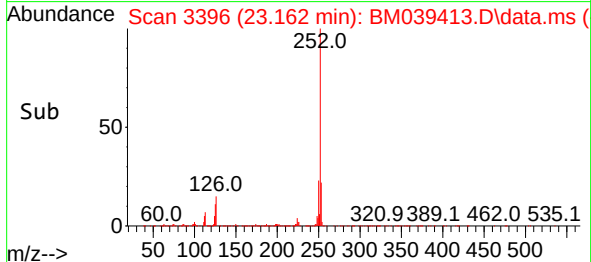
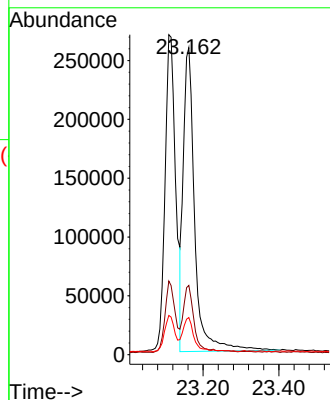
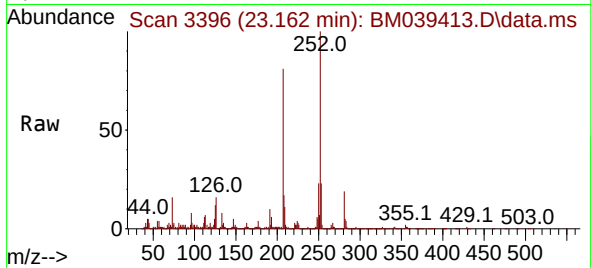




#89
Benzo(k)fluoranthene
Concen: 16.256 ng
RT: 23.162 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

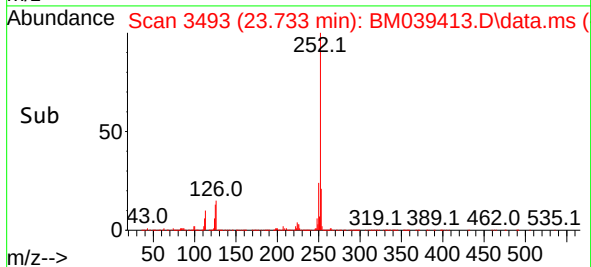
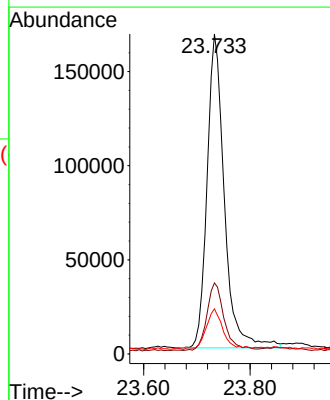
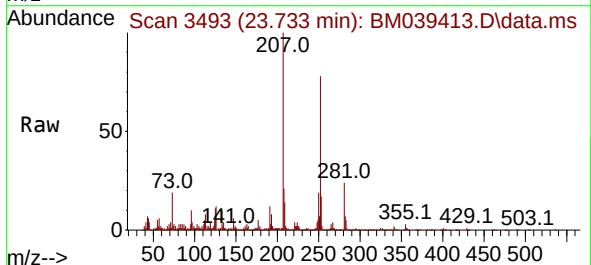
Instrument :
BNA_M
ClientSampleId :
JPP-2-040723

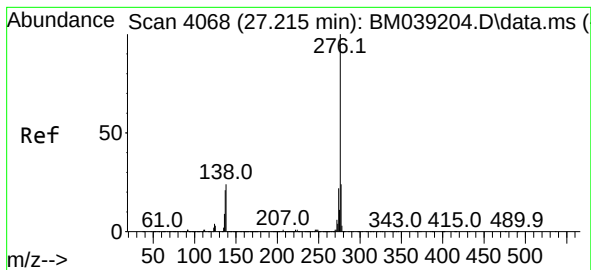
Tgt Ion:252 Resp: 540430
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 12.1 8.5 12.7



#90
Benzo(a)pyrene
Concen: 11.660 ng
RT: 23.733 min Scan# 3493
Delta R.T. -0.017 min
Lab File: BM039413.D
Acq: 13 Apr 2023 16:20

Tgt Ion:252 Resp: 373858
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 14.1 9.8 14.6





#92

Benzo(g,h,i)perylene

Concen: 2.379 ng

RT: 27.080 min Scan# 4062

Delta R.T. -0.023 min

Lab File: BM039413.D

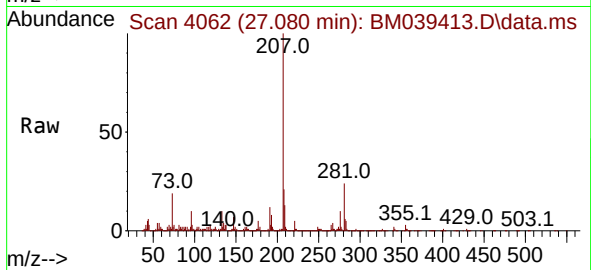
Acq: 13 Apr 2023 16:20

Instrument :

BNA_M

ClientSampleId :

JPP-2-040723



Tgt Ion:276 Resp: 77201

Ion Ratio Lower Upper

276 100

277 25.4 19.1 28.7

138 26.7 19.5 29.3

