

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
 Data File : BM041192.D
 Acq On : 31 Jul 2023 16:48
 Operator : MA/JU
 Sample : 03770-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DEL-1-RP

Quant Time: Jul 31 17:38:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 31 16:29:28 2023
 Response via : Initial Calibration

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

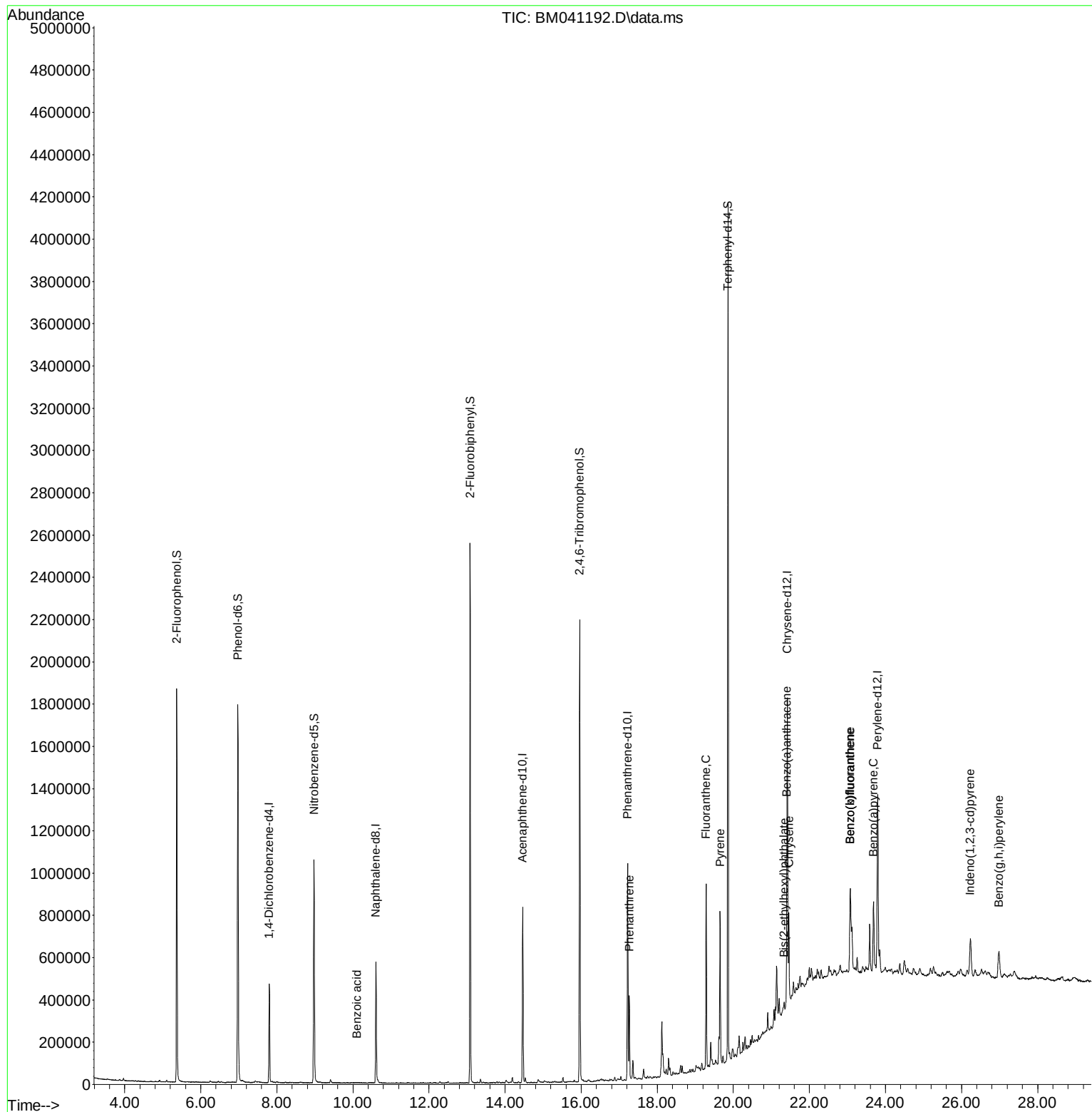
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.798	152	119967	20.000	ng	0.00	
21) Naphthalene-d8	10.604	136	470454	20.000	ng	0.00	
39) Acenaphthene-d10	14.463	164	265335	20.000	ng	0.00	
64) Phenanthrene-d10	17.221	188	559319	20.000	ng	0.00	
76) Chrysene-d12	21.421	240	544264	20.000	ng	0.00	
86) Perylene-d12	23.791	264	613623	20.000	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	753269	93.845	ng	0.00	
7) Phenol-d6	6.975	99	972249	93.444	ng	0.00	
23) Nitrobenzene-d5	8.975	82	592305	58.550	ng	0.00	
42) 2,4,6-Tribromophenol	15.963	330	366556	97.669	ng	0.00	
45) 2-Fluorobiphenyl	13.080	172	1199396	57.103	ng	0.00	
79) Terphenyl-d14	19.856	244	1839429	61.106	ng	0.00	
Target Compounds							
							Qvalue
32) Benzoic acid	10.104	122	64	7.166	ng	#	1
71) Phenanthrene	17.262	178	222234	7.151	ng		99
75) Fluoranthene	19.286	202	486567	13.936	ng		99
78) Pyrene	19.651	202	422088	11.090	ng		99
81) Benzo(a)anthracene	21.409	228	245529	6.654	ng		99
83) Chrysene	21.462	228	226049	6.334	ng		97
84) Bis(2-ethylhexyl)phtha...	21.333	149	11808	3.046	ng	#	94
87) Indeno(1,2,3-cd)pyrene	26.227	276	173013	3.835	ng		95
88) Benzo(b)fluoranthene	23.074	252	332113	9.111	ng		98
89) Benzo(k)fluoranthene	23.074	252	332113	8.907	ng	#	97
90) Benzo(a)pyrene	23.686	252	224822	6.419	ng		97
92) Benzo(g,h,i)perylene	26.985	276	165553	4.496	ng		99

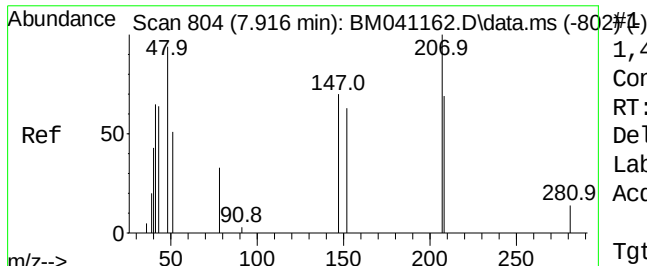
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.798 min Scan#

Delta R.T. 0.000 min

Lab File: BM041192.D

Acq: 31 Jul 2023 16:48

Instrument :

BNA_M

ClientSampleId :

DEL-1-RP

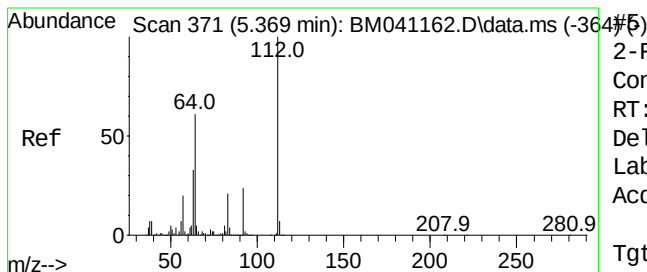
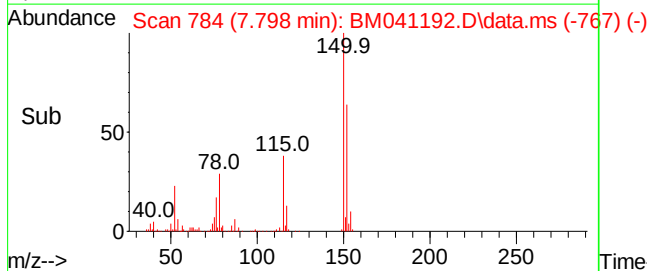
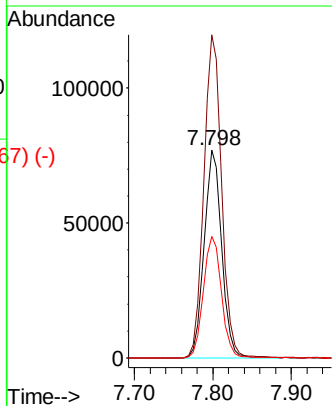
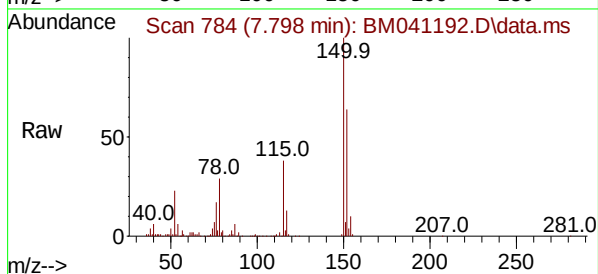
Tgt Ion:152 Resp: 119967

Ion Ratio Lower Upper

152 100

150 155.2 125.5 188.3

115 58.3 48.0 72.0



2-Fluorophenol

Concen: 93.845 ng

RT: 5.369 min Scan# 371

Delta R.T. 0.006 min

Lab File: BM041192.D

Acq: 31 Jul 2023 16:48

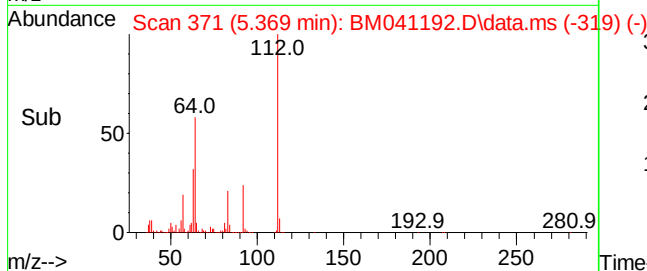
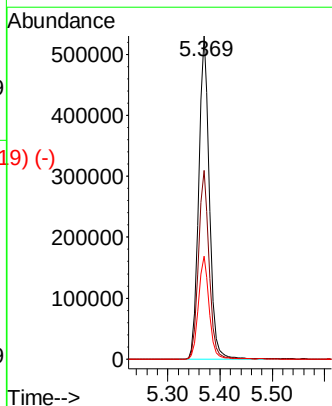
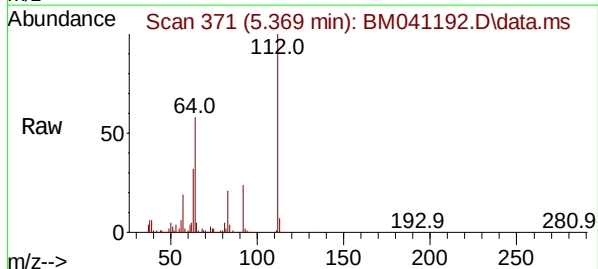
Tgt Ion:112 Resp: 753269

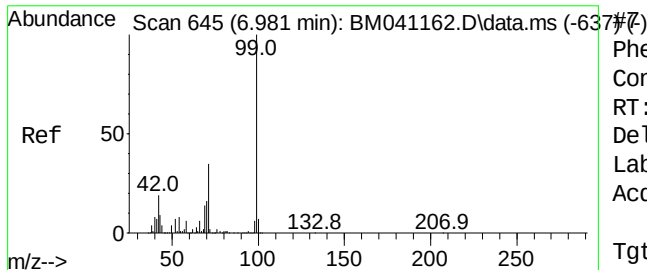
Ion Ratio Lower Upper

112 100

64 58.5 48.5 72.7

63 31.8 26.5 39.7





Phenol-d6

Concen: 93.444 ng

RT: 6.975 min Scan# 1261

Delta R.T. 0.000 min

Lab File: BM041192.D

Acq: 31 Jul 2023 16:48

Instrument :

BNA_M

ClientSampleId :

DEL-1-RP

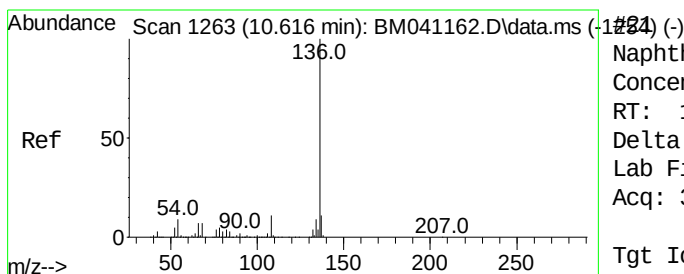
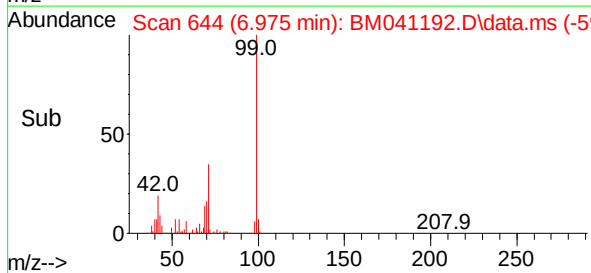
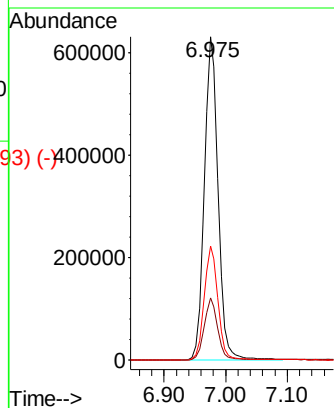
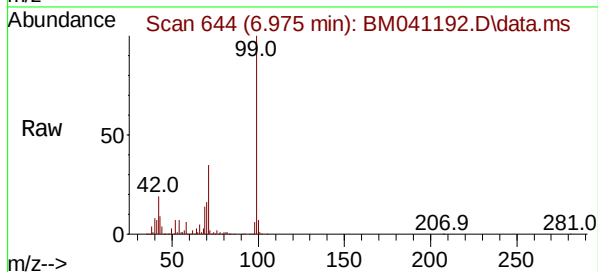
Tgt Ion: 99 Resp: 972249

Ion Ratio Lower Upper

99 100

42 19.1 15.4 23.0

71 35.2 28.2 42.4



Naphthalene-d8

Concen: 20.000 ng

RT: 10.604 min Scan# 1261

Delta R.T. 0.000 min

Lab File: BM041192.D

Acq: 31 Jul 2023 16:48

Tgt Ion: 136 Resp: 470454

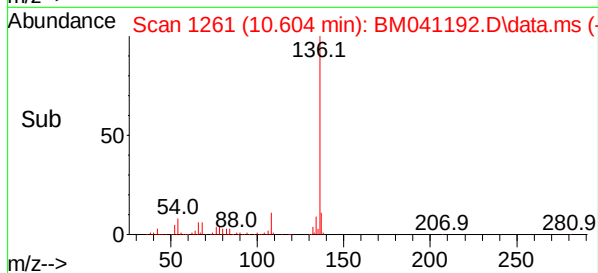
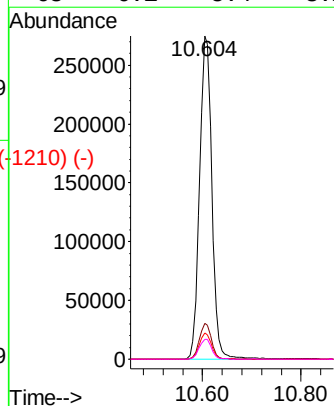
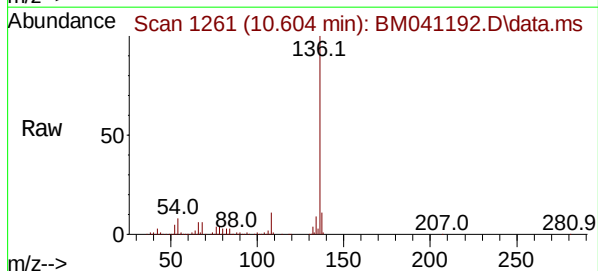
Ion Ratio Lower Upper

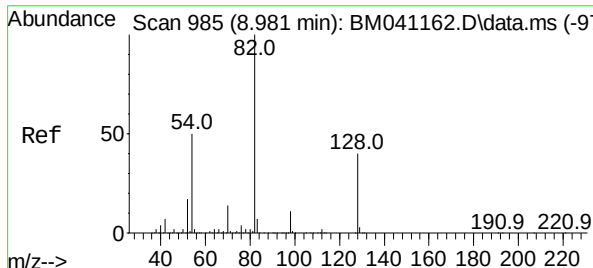
136 100

137 11.0 8.8 13.2

54 8.1 6.9 10.3

68 6.1 5.4 8.2

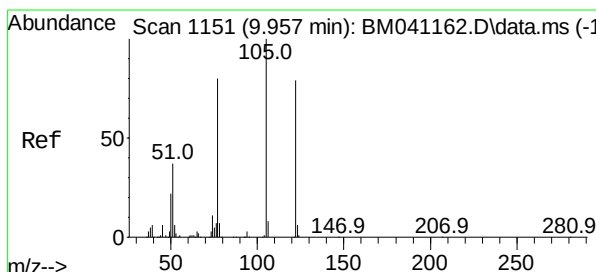
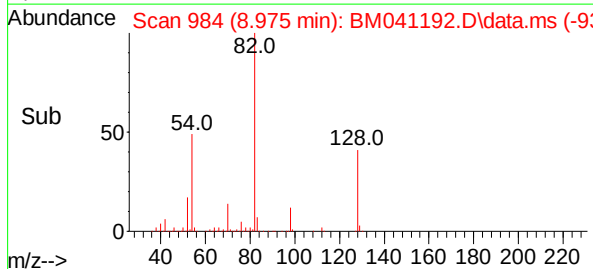
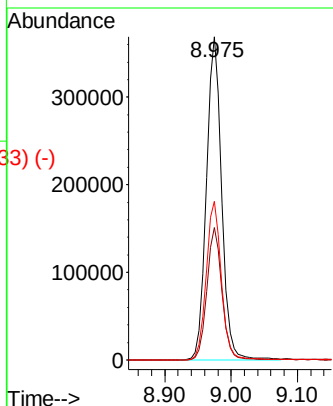
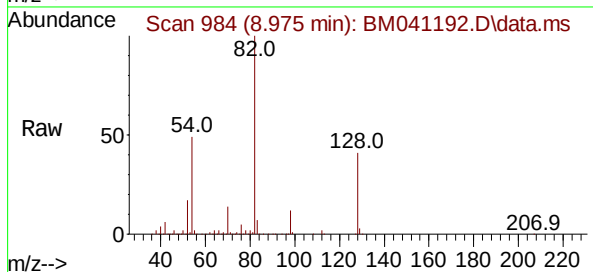




Nitrobenzene-d5
 Concen: 58.550 ng
 RT: 8.975 min Scan# 985
 Delta R.T. 0.000 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

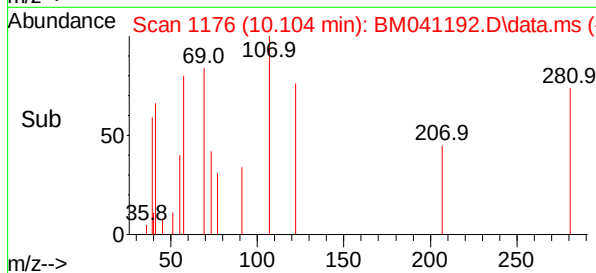
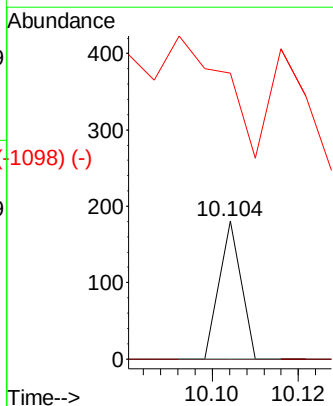
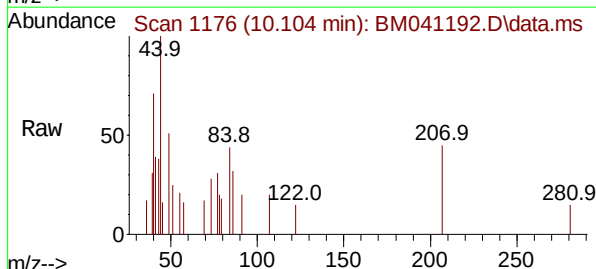
Instrument :
 BNA_M
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 DEL-1-RP

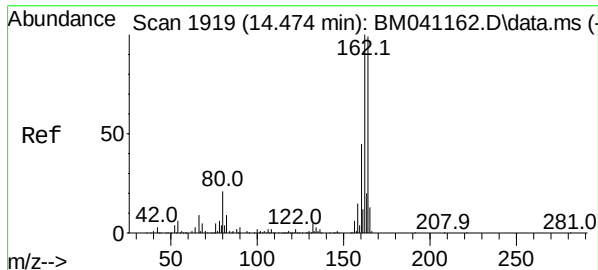
Tgt Ion:	82	Resp:	592305
Ion	Ratio	Lower	Upper
82	100		
128	41.0	31.8	47.6
54	49.1	40.1	60.1



Benzoic acid
 Concen: 7.166 ng
 RT: 10.104 min Scan# 1176
 Delta R.T. 0.159 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

Tgt Ion:	122	Resp:	64
Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.0	144.0#
77	206.6	79.9	119.9#





#1866 (-)

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BM041192.D

Acq: 31 Jul 2023 16:48

Instrument :

BNA_M

ClientSampleId :

DEL-1-RP

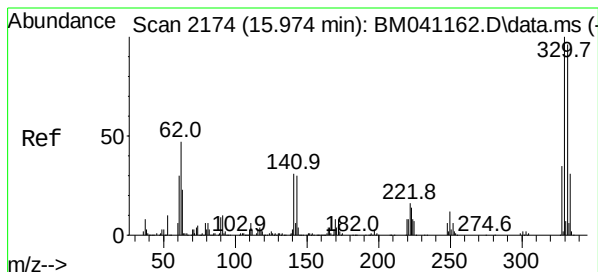
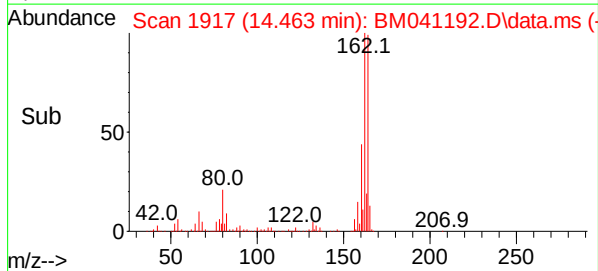
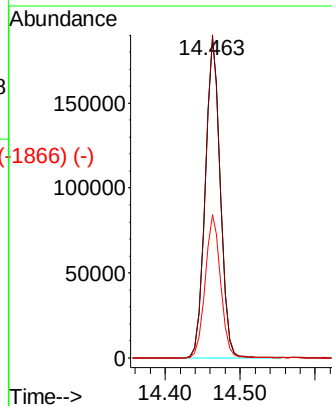
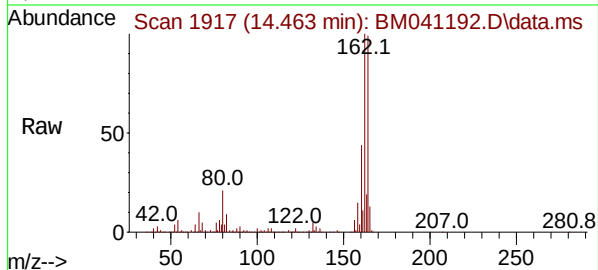
Tgt Ion:164 Resp: 265335

Ion Ratio Lower Upper

164 100

162 101.2 80.4 120.6

160 45.0 36.2 54.2



#2121 (-)

2,4,6-Tribromophenol

Concen: 97.669 ng

RT: 15.963 min Scan# 2172

Delta R.T. 0.000 min

Lab File: BM041192.D

Acq: 31 Jul 2023 16:48

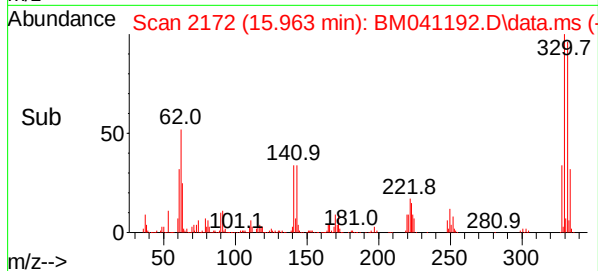
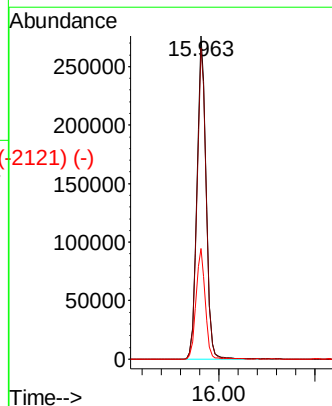
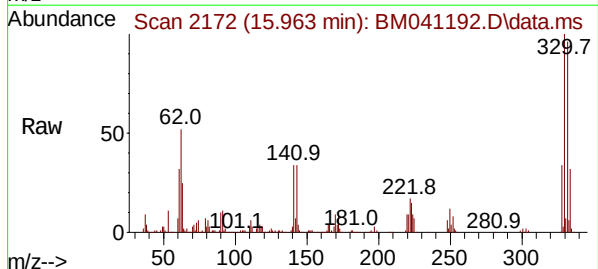
Tgt Ion:330 Resp: 366556

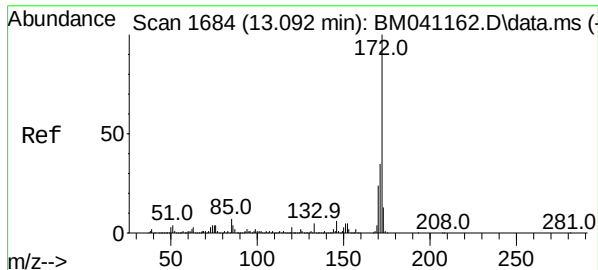
Ion Ratio Lower Upper

330 100

332 96.8 77.7 116.5

141 34.4 28.3 42.5



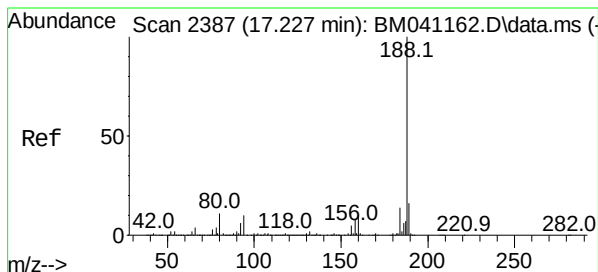
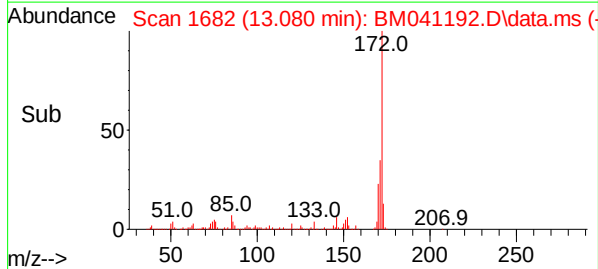
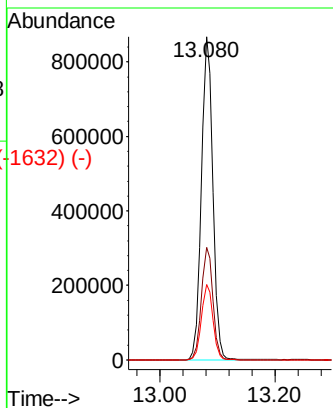
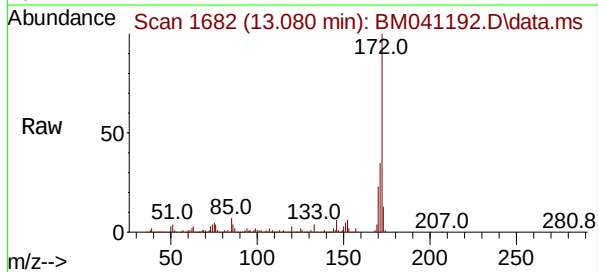


Scan 1684 (13.092 min): BM041162.D\data.ms (-1645) (-)
 2-Fluorobiphenyl
 Concen: 57.103 ng
 RT: 13.080 min Scan# 1684
 Delta R.T. -0.006 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

Instrument :
 BNA_M
 ClientSampleId :
 DEL-1-RP

Tgt Ion:172 Resp: 1199396

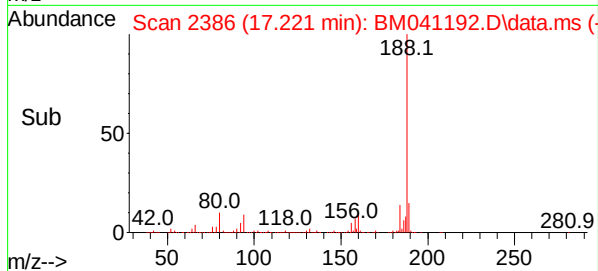
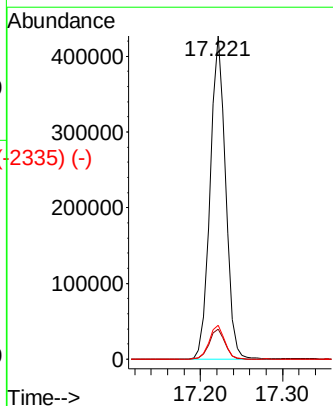
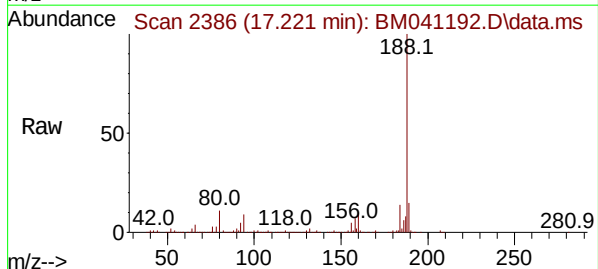
Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	23.4	18.9	28.3

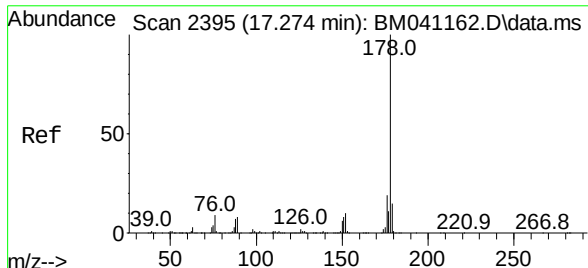


Scan 2387 (17.227 min): BM041162.D\data.ms (-2386) (-)
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.221 min Scan# 2386
 Delta R.T. 0.000 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

Tgt Ion:188 Resp: 559319

Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.2	12.2
80	10.5	8.6	13.0

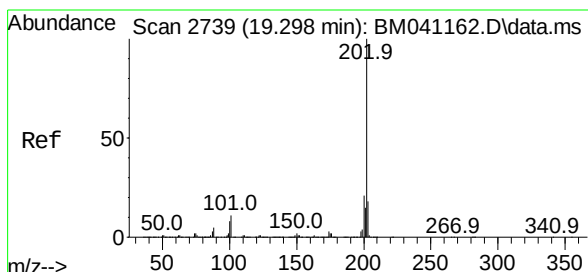
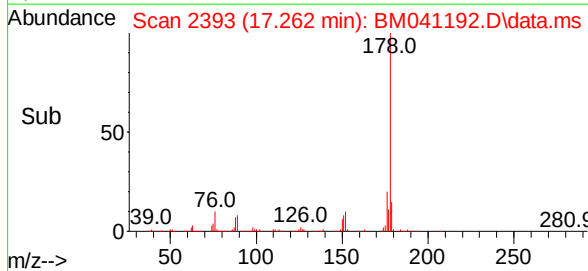
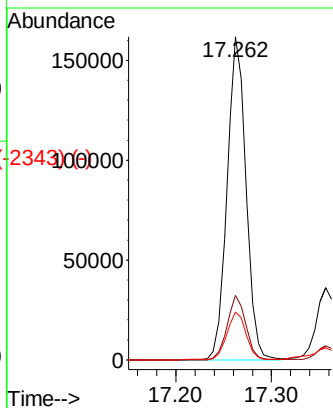
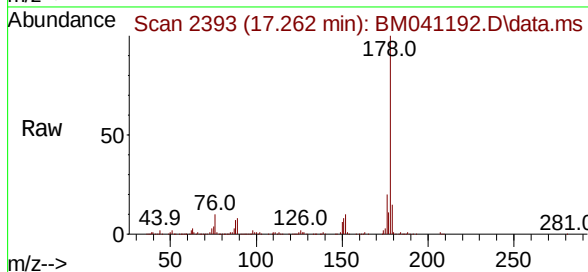




Scan 2395 (17.274 min): BM041162.D\data.ms (-2374) (-)
 Phenanthrene
 Concen: 7.151 ng
 RT: 17.262 min Scan# 2393
 Delta R.T. -0.006 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

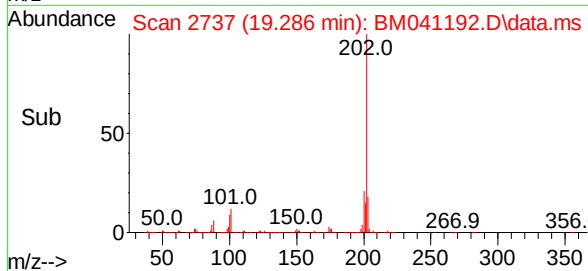
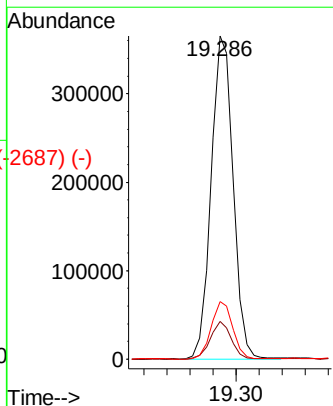
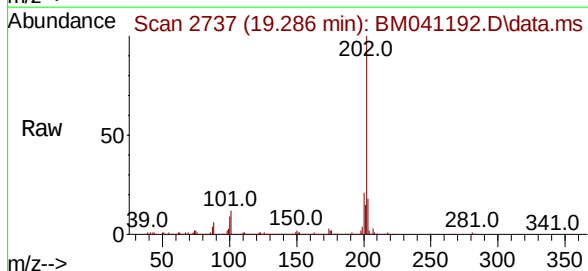
Instrument :
 BNA_M
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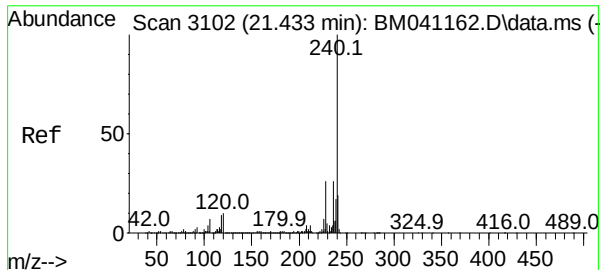
Tgt Ion:	178	Resp:	222234
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.6	23.4
179	14.8	12.1	18.1



Scan 2739 (19.298 min): BM041162.D\data.ms (-2732) (-)
 Fluoranthene
 Concen: 13.936 ng
 RT: 19.286 min Scan# 2737
 Delta R.T. -0.006 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

Tgt Ion:	202	Resp:	486567
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	30.8
203	17.9	0.0	37.6

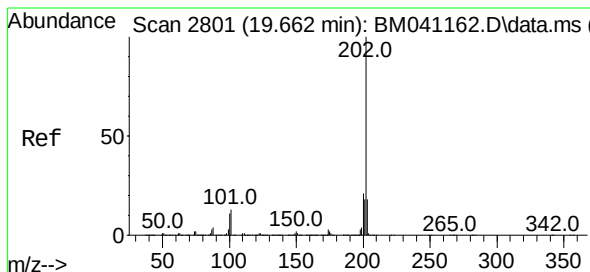
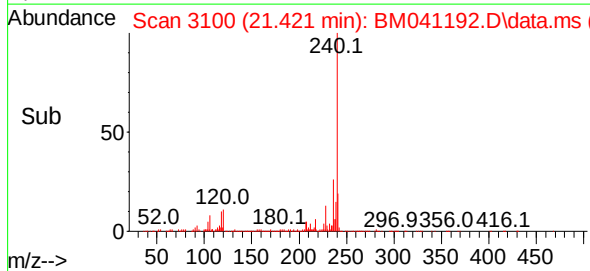
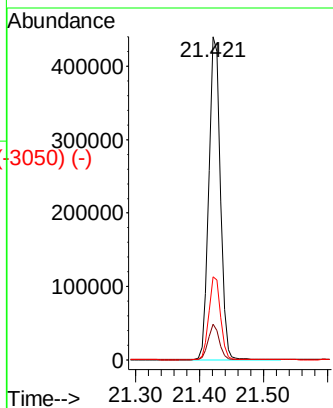
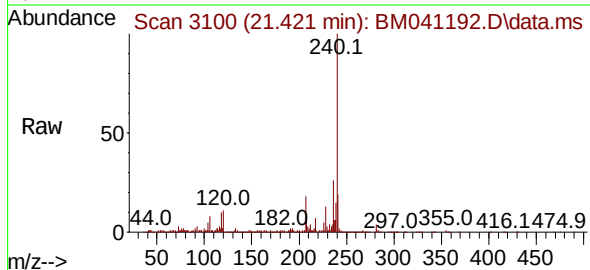




Chrysene-d12
 Concen: 20.000 ng
 RT: 21.421 min Scan# 3102
 Delta R.T. -0.006 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

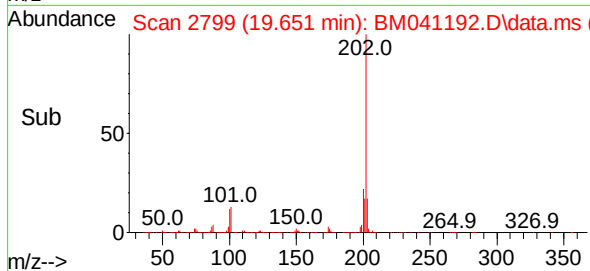
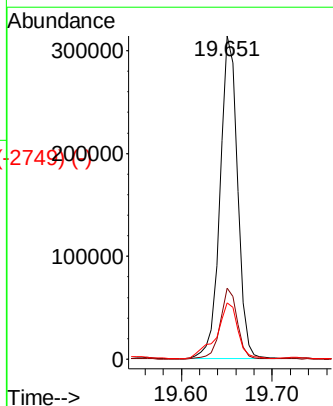
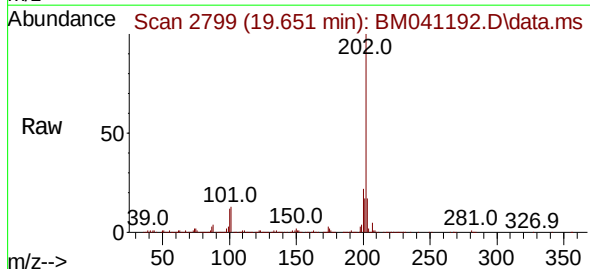
Instrument :
 BNA_M
 ClientSampleId :
 DEL-1-RP

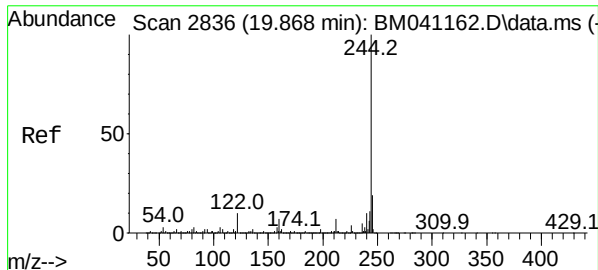
Tgt Ion:	240	Resp:	544264
Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.3	12.5
236	25.7	20.6	30.8



Pyrene
 Concen: 11.090 ng
 RT: 19.651 min Scan# 2799
 Delta R.T. -0.006 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

Tgt Ion:	202	Resp:	422088
Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	17.4	14.1	21.1

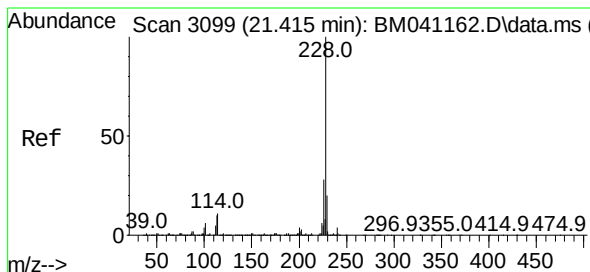
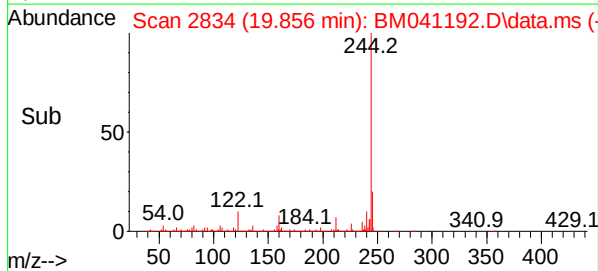
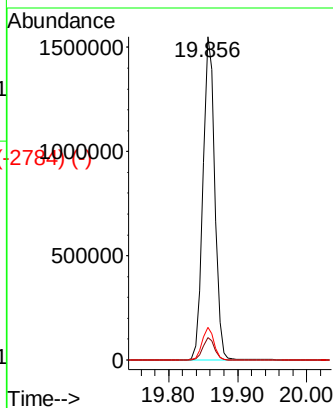
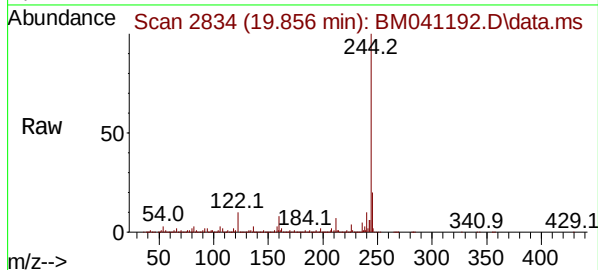




Terphenyl-d14
 Concen: 61.106 ng
 RT: 19.856 min Scan# 2834
 Delta R.T. -0.006 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

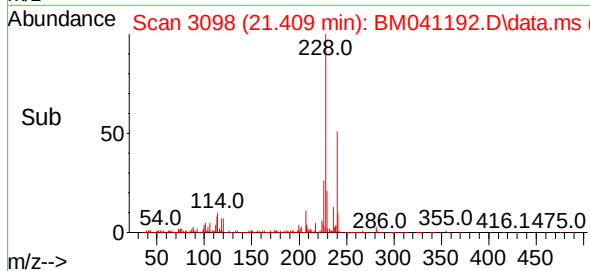
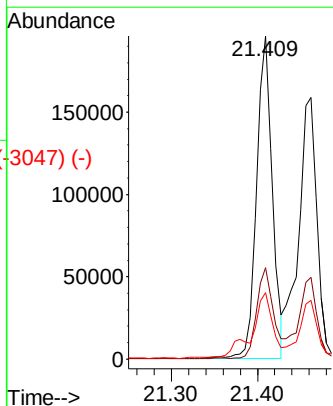
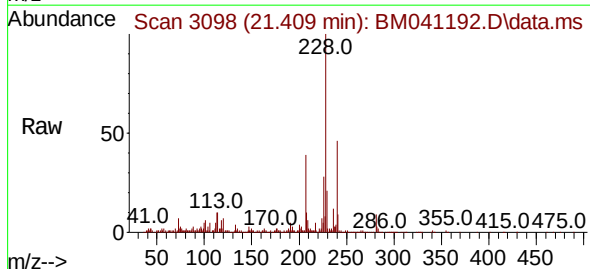
Instrument :
 BNA_M
 ClientSampleId :
 DEL-1-RP

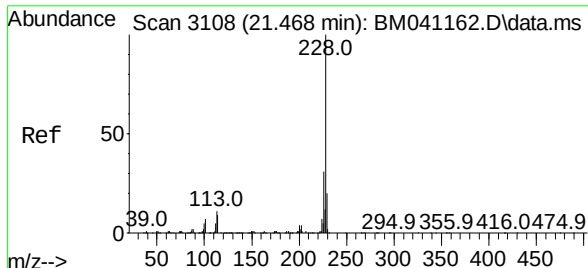
Tgt Ion:244 Resp: 1839429
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 10.1 7.8 11.6



Benzo(a)anthracene
 Concen: 6.654 ng
 RT: 21.409 min Scan# 3098
 Delta R.T. 0.000 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

Tgt Ion:228 Resp: 245529
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.4 33.6
 229 20.6 15.8 23.8

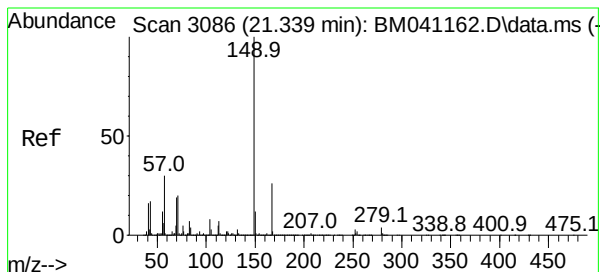
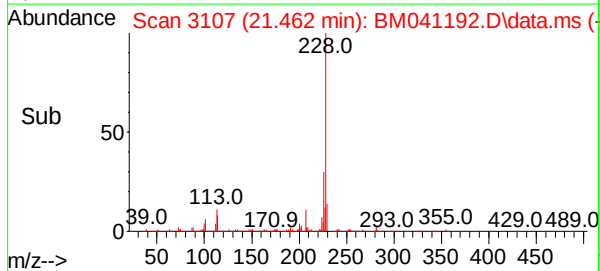
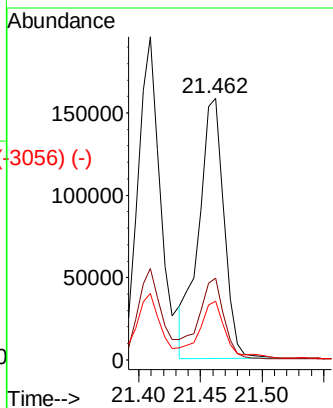
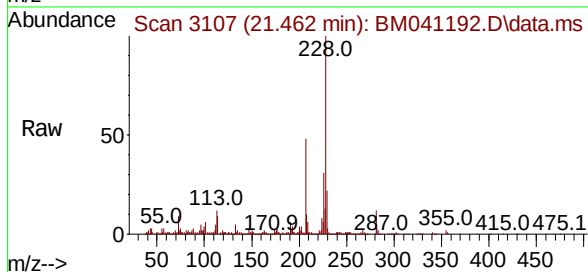




Chrysene
 Concen: 6.334 ng
 RT: 21.462 min Scan# 3108
 Delta R.T. 0.000 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

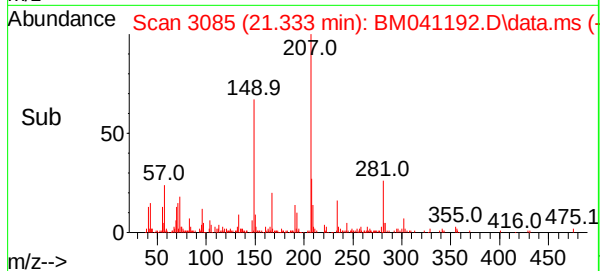
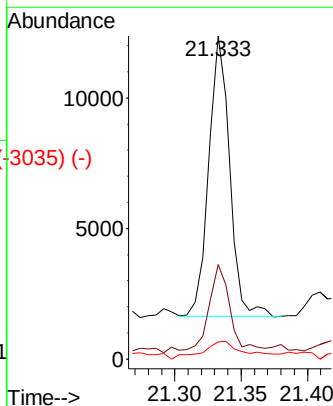
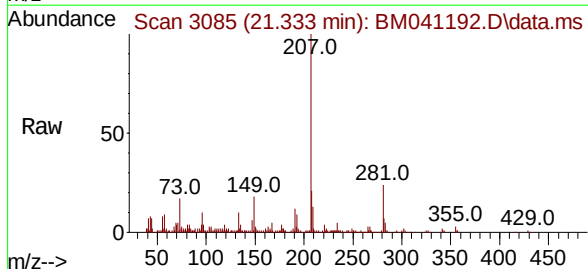
Instrument :
 BNA_M
 ClientSampleId :
 DEL-1-RP

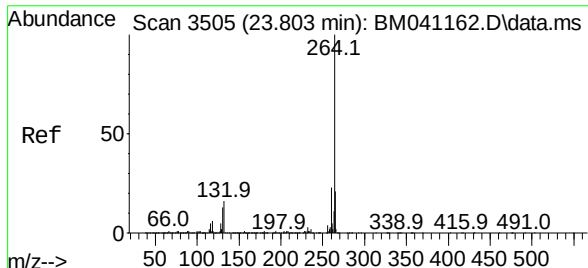
Tgt Ion:	228	Resp:	226049
Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.5	36.7
229	22.4	15.8	23.8



Bis(2-ethylhexyl)phthalate
 Concen: 3.046 ng
 RT: 21.333 min Scan# 3085
 Delta R.T. -0.006 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

Tgt Ion:	149	Resp:	11808
Ion	Ratio	Lower	Upper
149	100		
167	29.2	21.0	31.6
279	5.4	3.1	4.7#

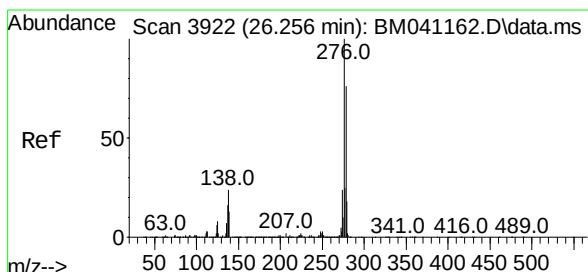
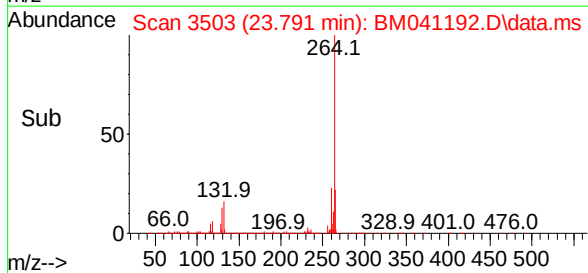
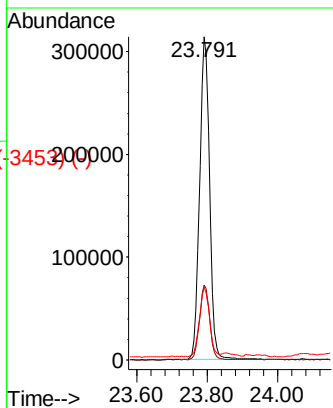
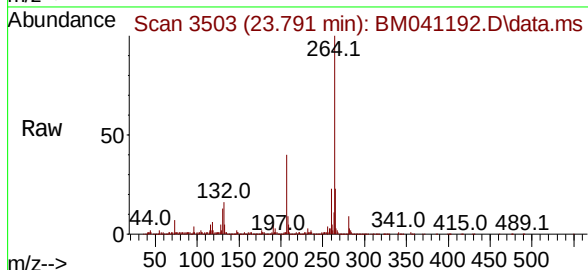




Perylene-d12
 Concen: 20.000 ng
 RT: 23.791 min Scan# 3485
 Delta R.T. -0.006 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

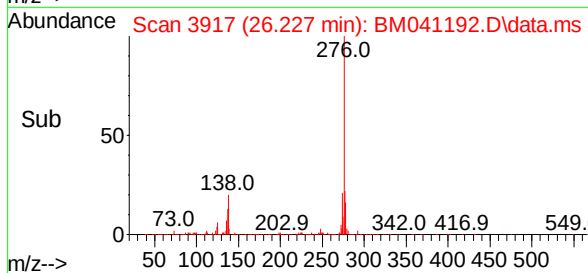
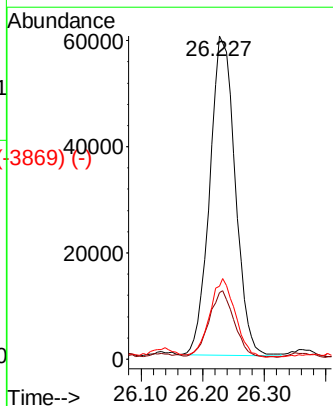
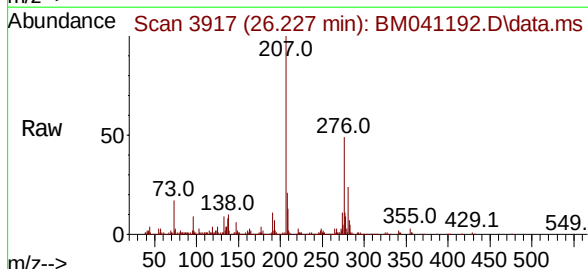
Instrument :
 BNA_M
 ClientSampleId :
 DEL-1-RP

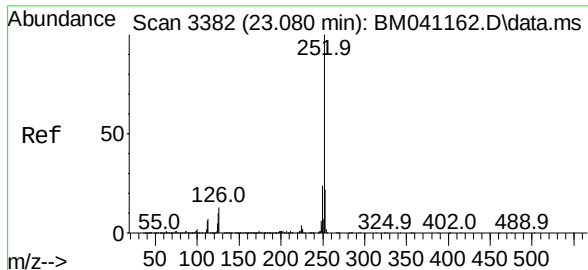
Tgt Ion:	264	Resp:	613623
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	22.5	17.4	26.0



Indeno(1,2,3-cd)pyrene
 Concen: 3.835 ng
 RT: 26.227 min Scan# 3917
 Delta R.T. -0.018 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

Tgt Ion:	276	Resp:	173013
Ion	Ratio	Lower	Upper
276	100		
138	20.7	20.0	30.0
277	24.5	20.1	30.1

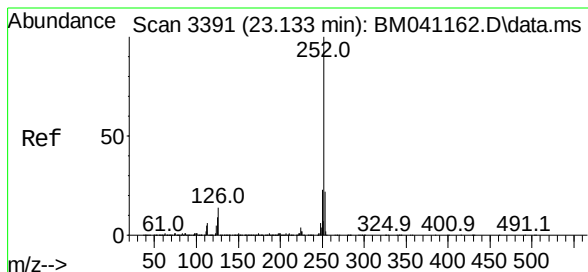
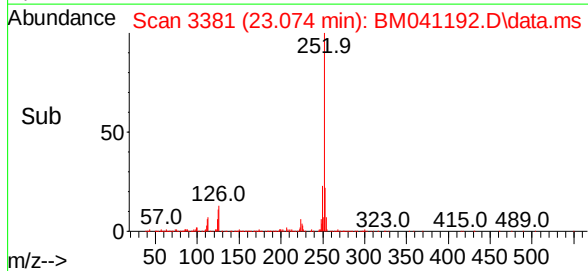
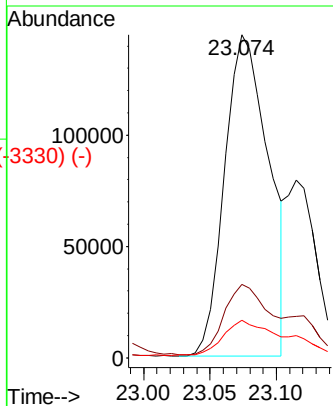
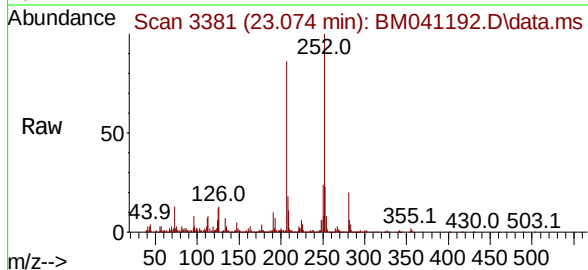




Benzo(b)fluoranthene
Concen: 9.111 ng
RT: 23.074 min Scan# 3382
Delta R.T. 0.000 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

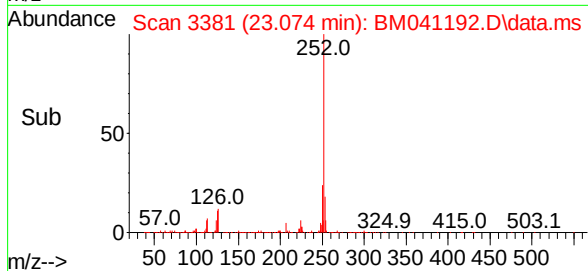
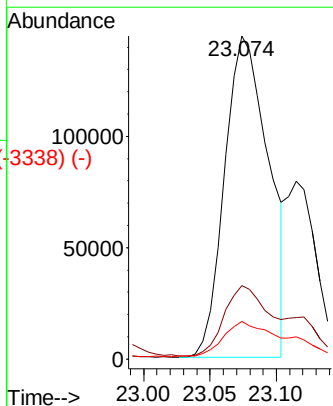
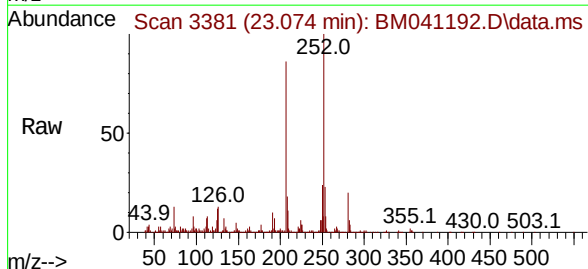
Instrument :
BNA_M
ClientSampleId :
DEL-1-RP

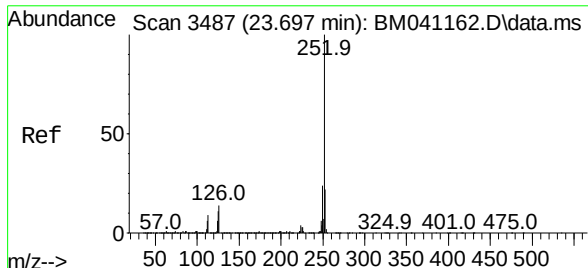
Tgt Ion:	252	Resp:	332113
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	11.7	8.2	12.4



Benzo(k)fluoranthene
Concen: 8.907 ng
RT: 23.074 min Scan# 3381
Delta R.T. -0.047 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

Tgt Ion:	252	Resp:	332113
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	11.7	7.6	11.4#

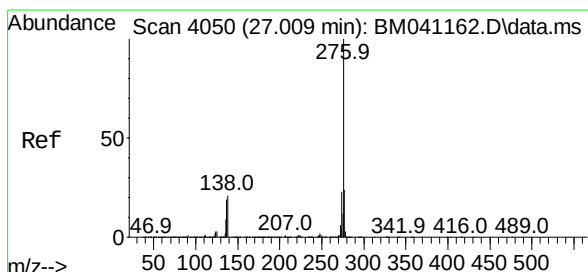
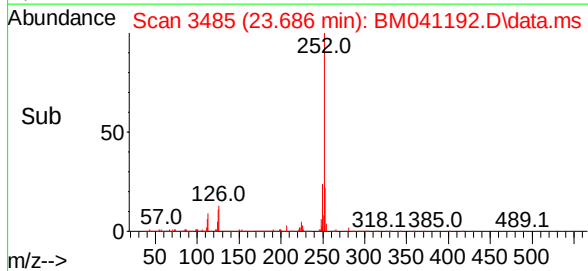
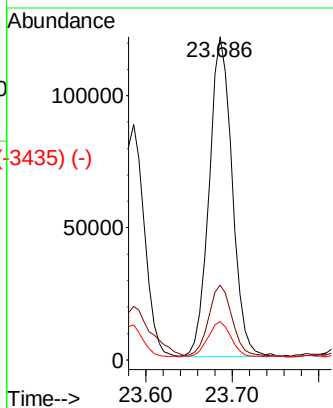
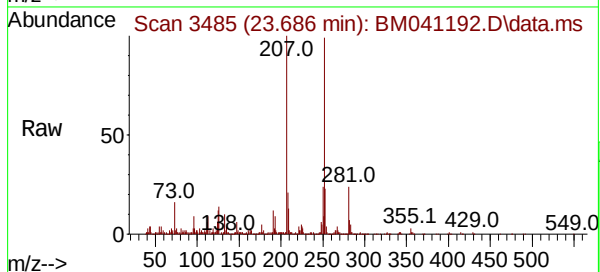




Benzo(a)pyrene
 Concen: 6.419 ng
 RT: 23.686 min Scan# 4046
 Delta R.T. -0.006 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

Instrument :
 BNA_M
 ClientSampleId :
 DEL-1-RP

Tgt Ion:	252	Resp:	224822
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.3	25.9
125	11.9	9.0	13.4



Benzo(g,h,i)perylene
 Concen: 4.496 ng
 RT: 26.985 min Scan# 4046
 Delta R.T. -0.012 min
 Lab File: BM041192.D
 Acq: 31 Jul 2023 16:48

Tgt Ion:	276	Resp:	165553
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.1	28.7
138	20.6	17.1	25.7

