

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
 Data File : BP009578.D
 Acq On : 28 Mar 2022 22:17
 Operator : CG/JU
 Sample : N2103-05RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR-200031

Quant Time: Mar 29 03:14:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 06:34:38 2022
 Response via : Initial Calibration

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

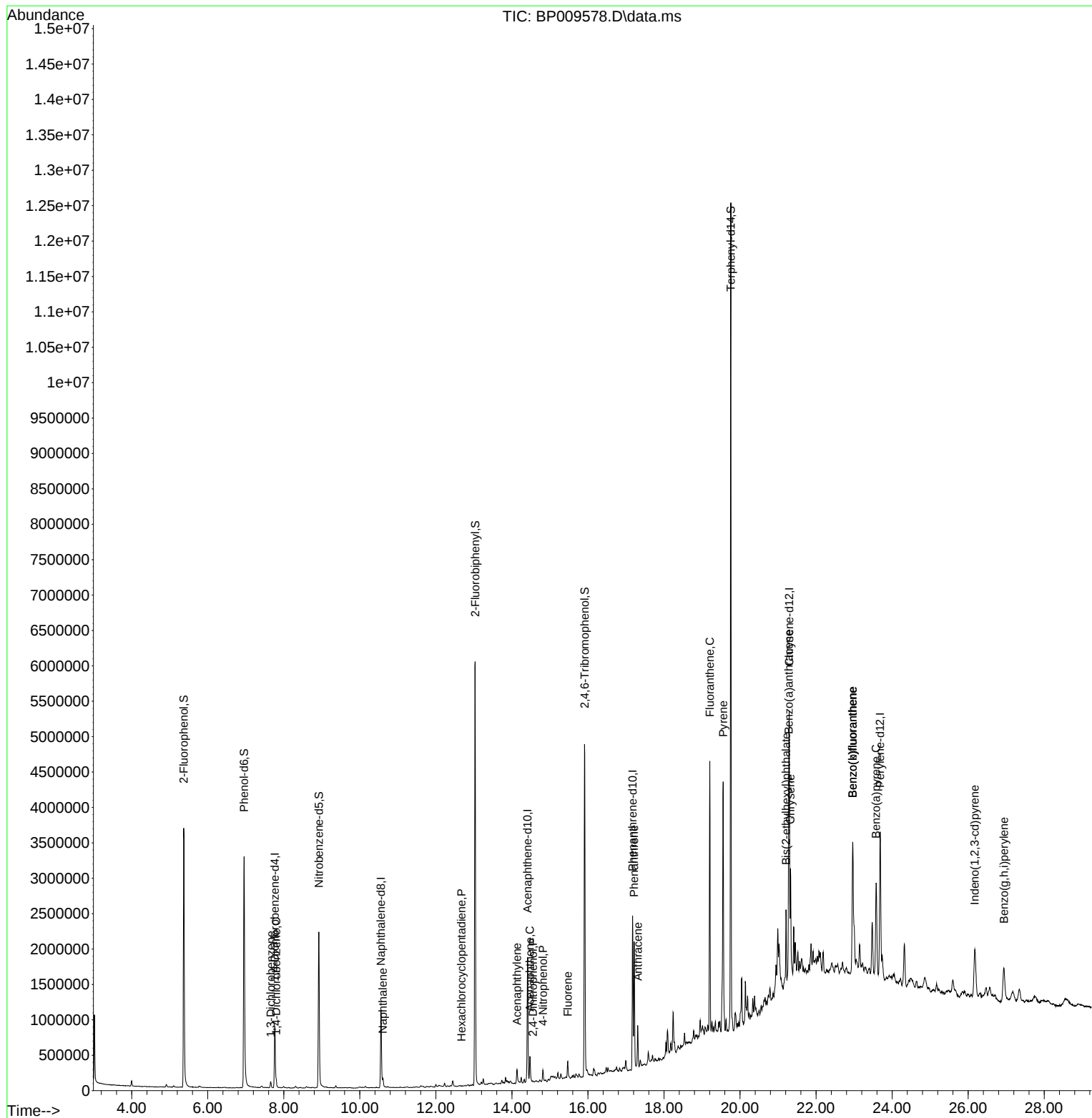
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	273021	20.000	ng	-0.01
21) Naphthalene-d8	10.557	136	1066800	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	666965	20.000	ng	-0.01
64) Phenanthrene-d10	17.175	188	1397056	20.000	ng	-0.01
76) Chrysene-d12	21.292	240	1499455	20.000	ng	0.00
86) Perylene-d12	23.686	264	1660654	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1947975	124.570	ng	0.00
7) Phenol-d6	6.957	99	2408109	113.872	ng	0.00
23) Nitrobenzene-d5	8.922	82	1533416	76.384	ng	-0.01
42) 2,4,6-Tribromophenol	15.916	330	1061819	96.476	ng	0.00
45) 2-Fluorobiphenyl	13.034	172	3573368	74.273	ng	0.00
79) Terphenyl-d14	19.757	244	5880388	70.390	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.869	77	849	Below Cal	#	1
12) 1,3-Dichlorobenzene	7.657	146	40978	2.036	ng	95
13) 1,4-Dichlorobenzene	7.804	146	45840	2.228	ng	98
31) Naphthalene	10.604	128	112425	2.046	ng	99
41) Hexachlorocyclopentadiene	12.675	237	14	7.290	ng	77
49) Acenaphthylene	14.134	152	157453	2.604	ng	100
52) Acenaphthene	14.475	154	143542	3.974	ng	98
54) 2,4-Dinitrophenol	14.557	184	232	4.566	ng	# 1
56) 4-Nitrophenol	14.816	139	42566	5.106	ng	# 18
58) Fluorene	15.469	166	125957	2.639	ng	99
71) Phenanthrene	17.216	178	1159735	15.508	ng	100
72) Anthracene	17.310	178	379734	5.143	ng	99
75) Fluoranthene	19.204	202	2320068	25.625	ng	99
78) Pyrene	19.557	202	2183190	22.095	ng	100
81) Benzo(a)anthracene	21.280	228	1018278	10.336	ng	94
83) Chrysene	21.327	228	886696	9.505	ng	97
84) Bis(2-ethylhexyl)phtha...	21.210	149	407648	6.964	ng	100
87) Indeno(1,2,3-cd)pyrene	26.174	276	659660	5.236	ng	# 94
88) Benzo(b)fluoranthene	22.962	252	1726406	17.414	ng	97
89) Benzo(k)fluoranthene	22.962	252	1726406	17.786	ng	97
90) Benzo(a)pyrene	23.580	252	1036217	12.217	ng	97
92) Benzo(g,h,i)perylene	26.939	276	673397	6.519	ng	97

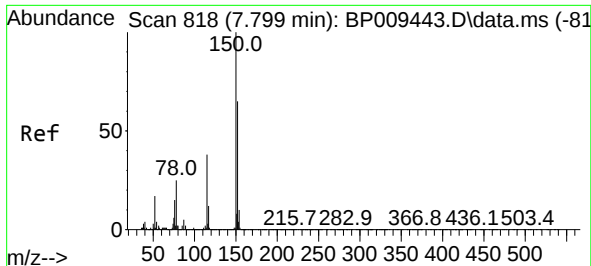
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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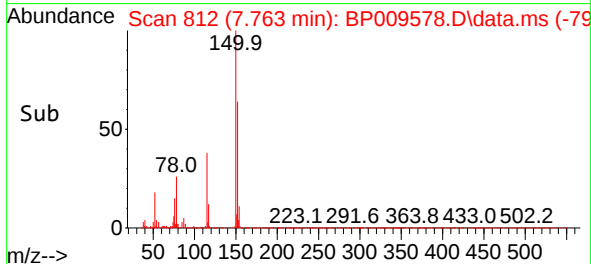
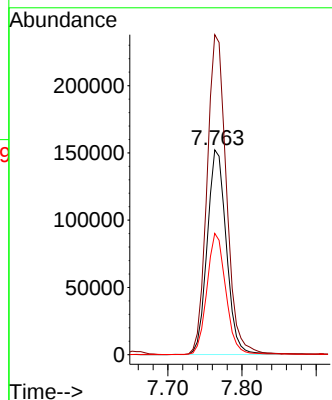
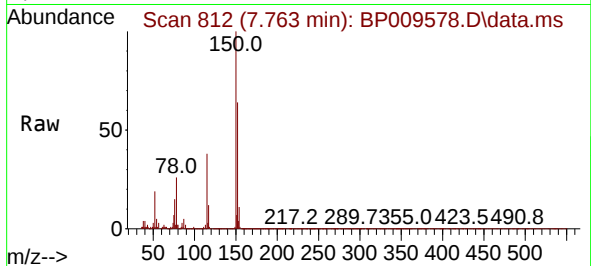




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

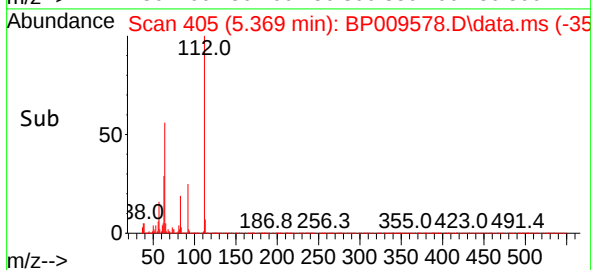
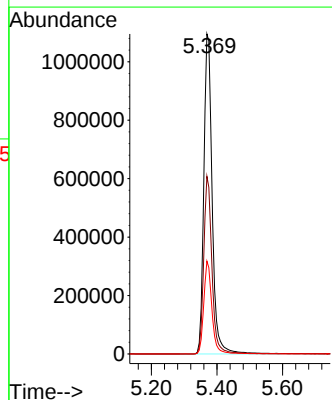
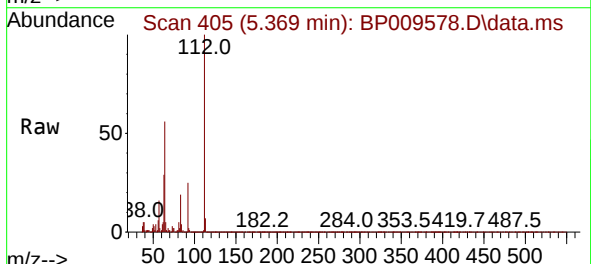
Instrument :
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RBR-200031

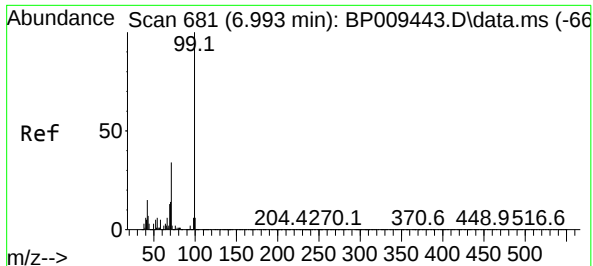
Tgt Ion:152 Resp: 273021
Ion Ratio Lower Upper
152 100
150 156.2 124.5 186.7
115 59.2 48.2 72.4



#5
2-Fluorophenol
Concen: 124.570 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:112 Resp: 1947975
Ion Ratio Lower Upper
112 100
64 55.5 45.0 67.4
63 29.0 23.0 34.6

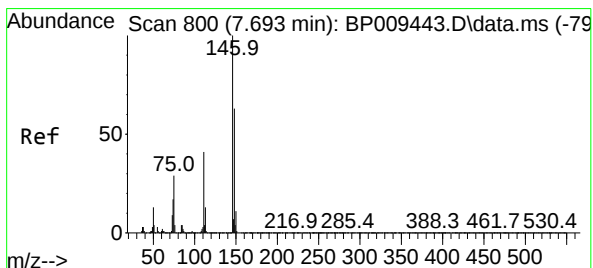
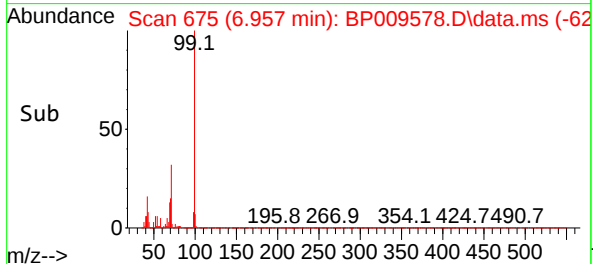
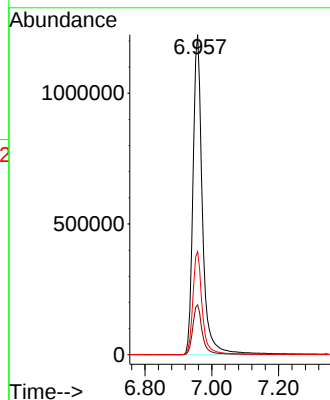
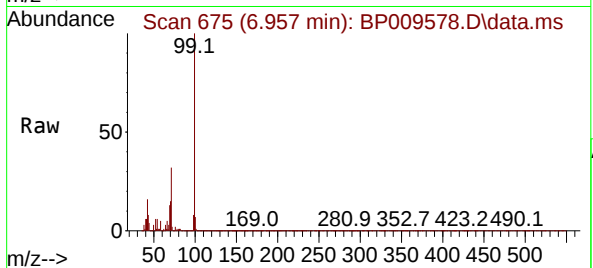




#7
Phenol-d6
Concen: 113.872 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

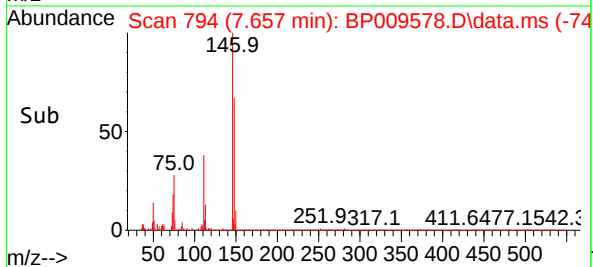
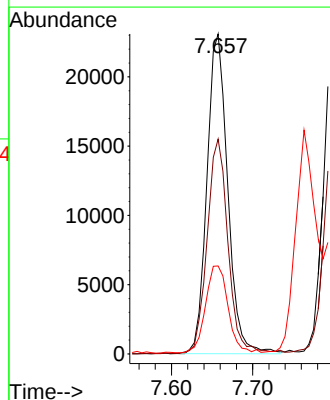
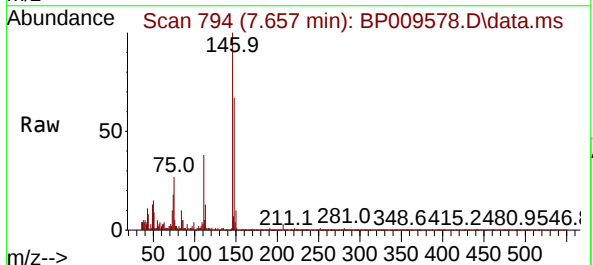
Instrument :
BNA_P
ClientSampleId :
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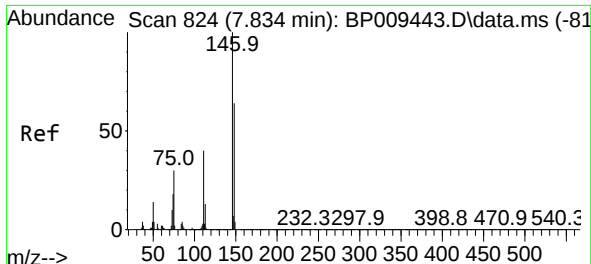
Tgt Ion: 99 Resp: 2408109
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 32.2 26.3 39.5



#12
1,3-Dichlorobenzene
Concen: 2.036 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:146 Resp: 40978
Ion Ratio Lower Upper
146 100
148 67.1 51.4 77.0
75 27.5 25.3 37.9

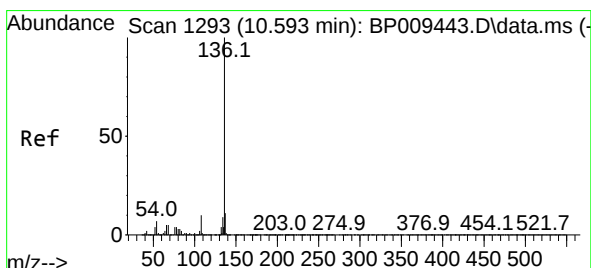
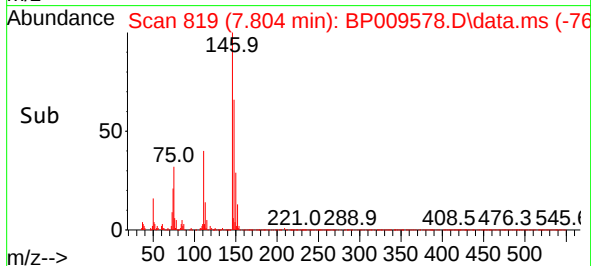
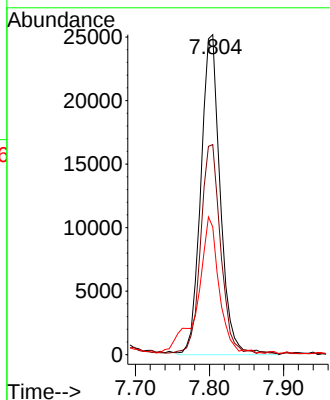
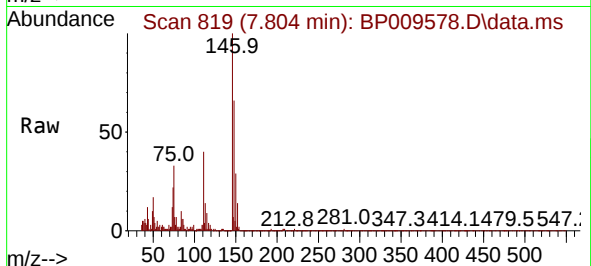




#13
1,4-Dichlorobenzene
Concen: 2.228 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

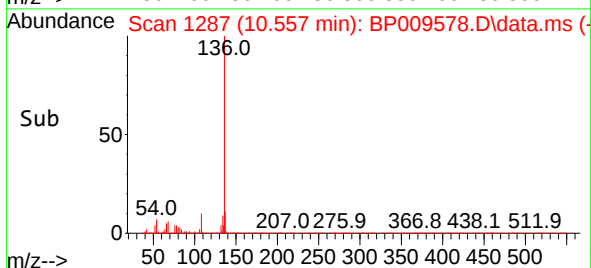
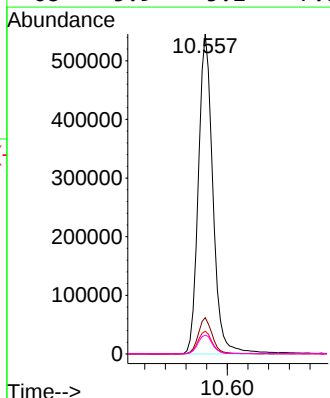
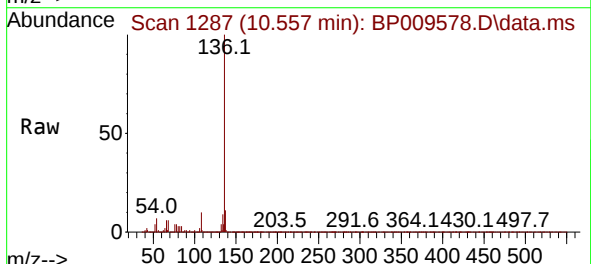
Instrument :
BNA_P
ClientSampleId :
RBR-200031

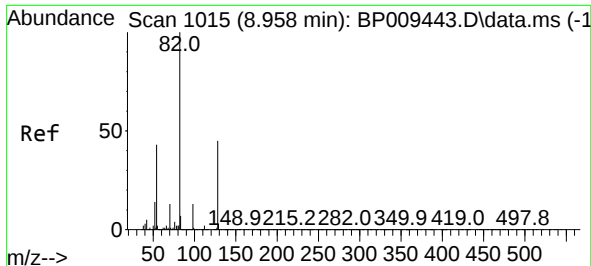
Tgt Ion:146 Resp: 45840
Ion Ratio Lower Upper
146 100
148 65.7 51.1 76.7
111 39.9 32.1 48.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:136 Resp: 1066800
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 7.1 5.8 8.8
68 5.9 5.2 7.8

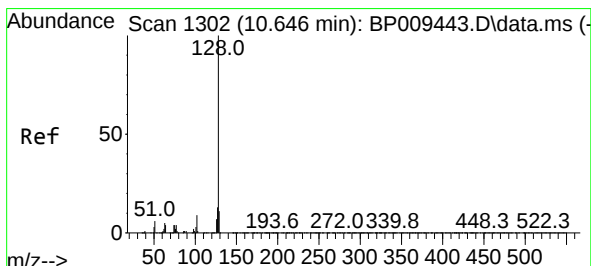
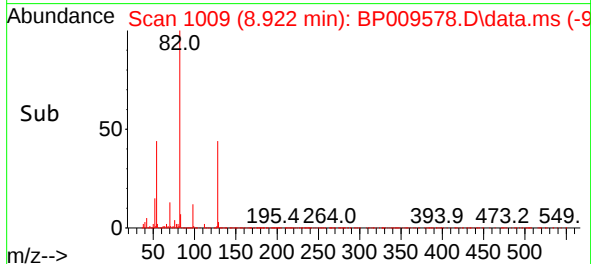
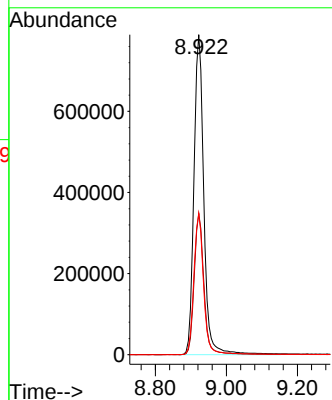
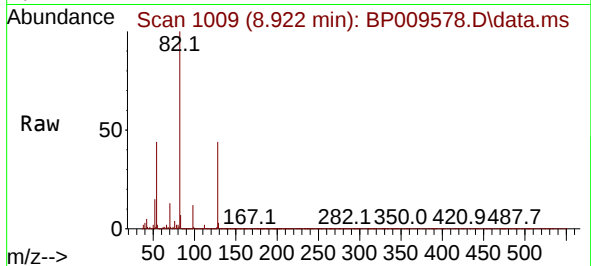




#23
Nitrobenzene-d5
Concen: 76.384 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

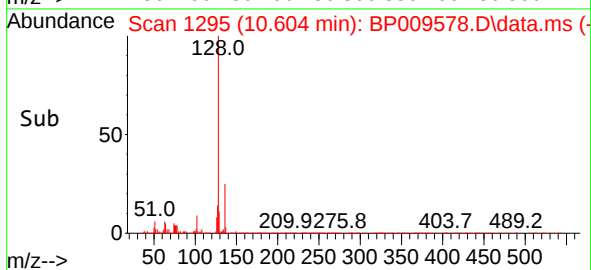
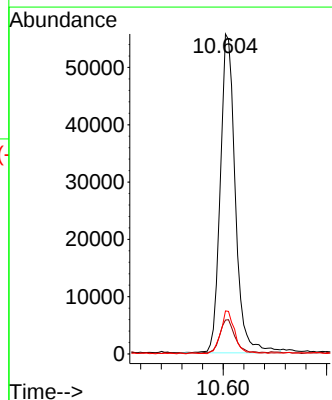
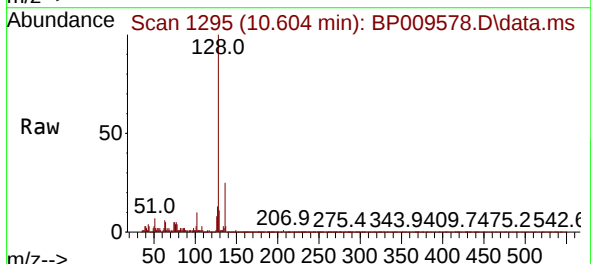
Instrument :
BNA_P
ClientSampleId :
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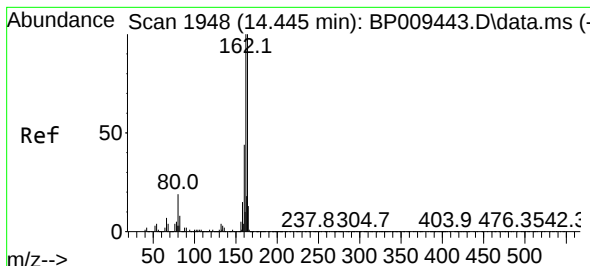
Tgt Ion: 82 Resp: 1533416
Ion Ratio Lower Upper
82 100
128 44.0 34.2 51.4
54 44.2 34.7 52.1



#31
Naphthalene
Concen: 2.046 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion: 128 Resp: 112425
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 13.5 10.5 15.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1948

Delta R.T. -0.012 min

Lab File: BP009578.D

Acq: 28 Mar 2022 22:17

Instrument :

BNA_P

ClientSampleId :

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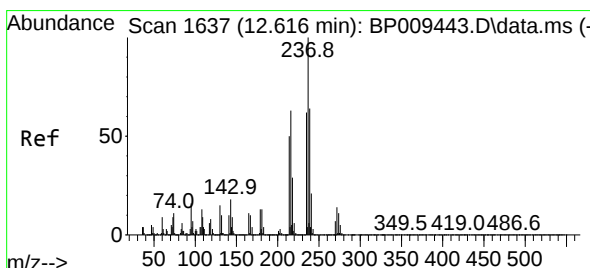
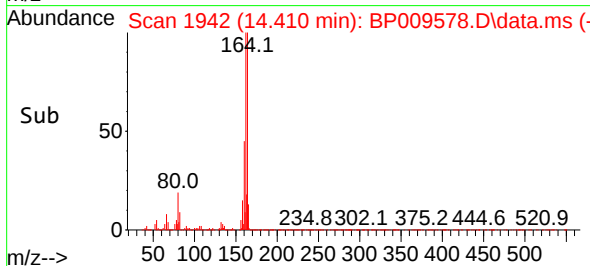
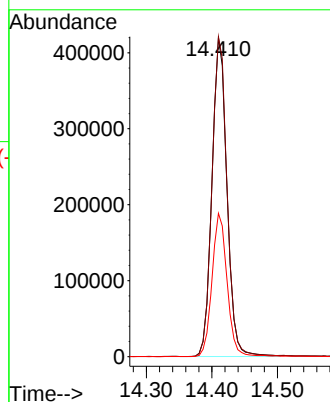
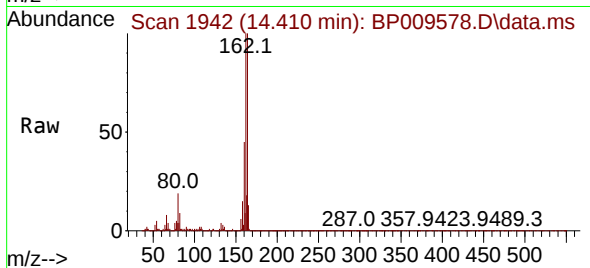
Tgt Ion:164 Resp: 666965

Ion Ratio Lower Upper

164 100

162 100.3 79.1 118.7

160 44.9 34.9 52.3



#41

Hexachlorocyclopentadiene

Concen: 7.290 ng

RT: 12.675 min Scan# 1647

Delta R.T. 0.088 min

Lab File: BP009578.D

Acq: 28 Mar 2022 22:17

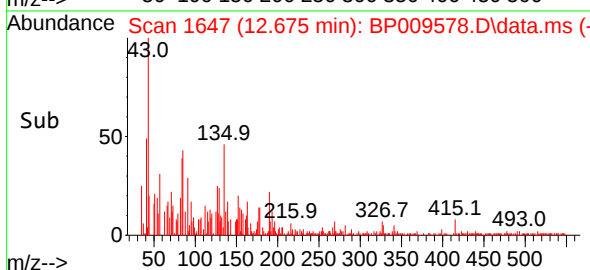
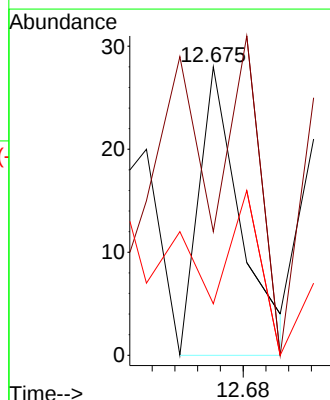
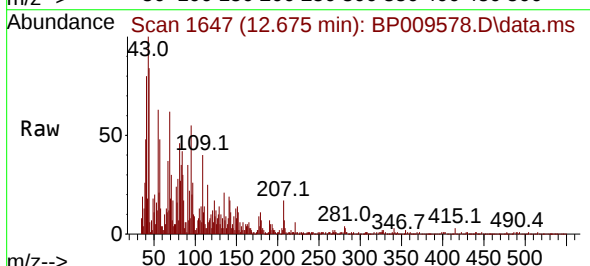
Tgt Ion:237 Resp: 14

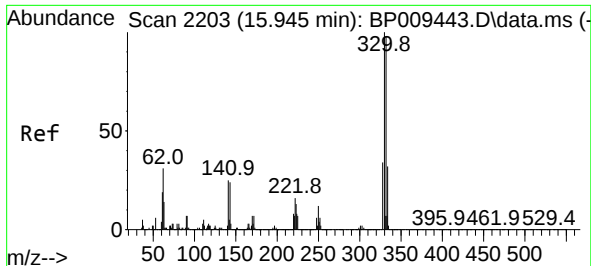
Ion Ratio Lower Upper

237 100

235 42.9 42.6 82.6

272 17.9 0.0 32.8

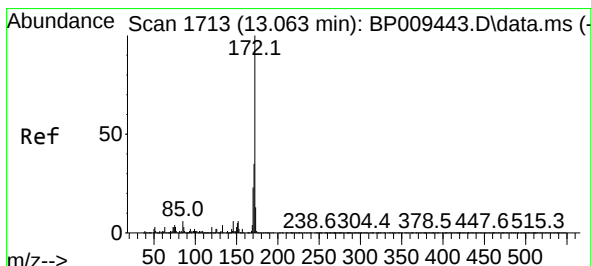
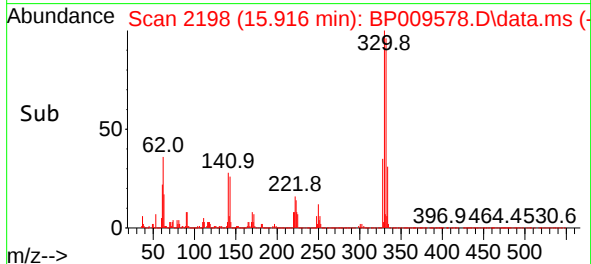
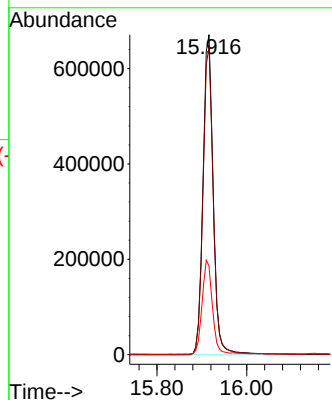
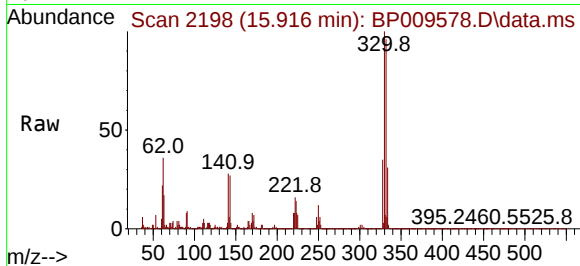




#42
2,4,6-Tribromophenol
Concen: 96.476 ng
RT: 15.916 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

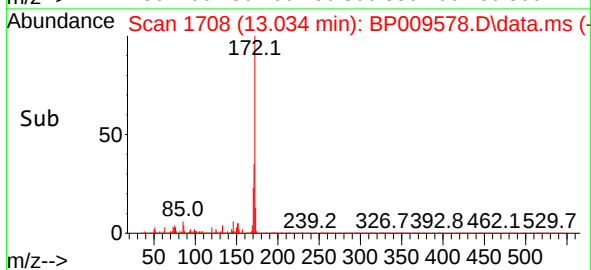
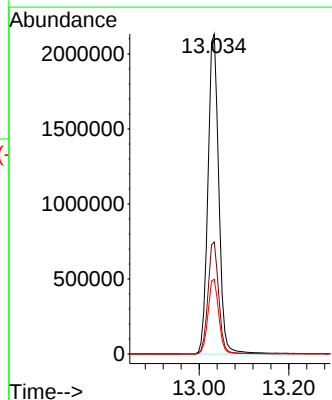
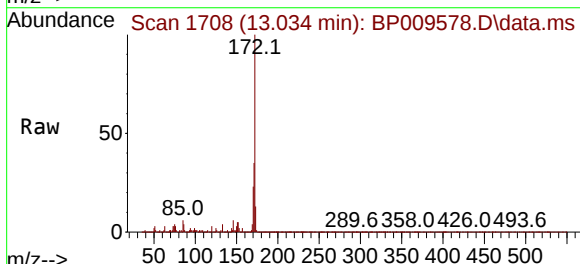
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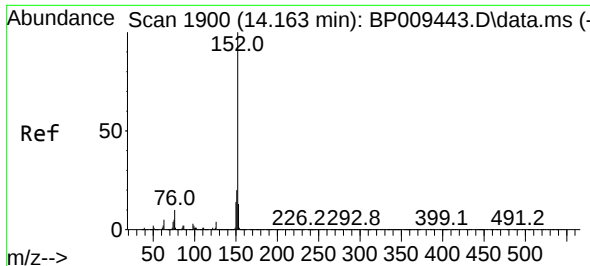
Tgt Ion:330 Resp: 1061819
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 29.8 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 74.273 ng
RT: 13.034 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:172 Resp: 3573368
Ion Ratio Lower Upper
172 100
171 35.0 28.0 42.0
170 23.3 18.6 27.8

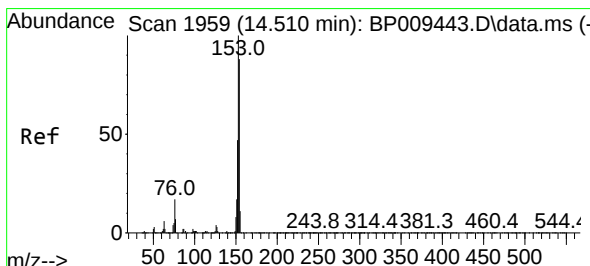
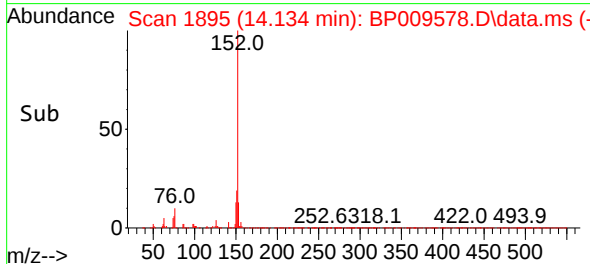
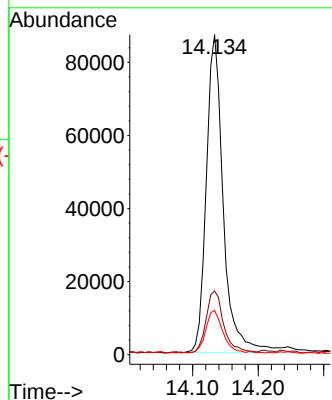
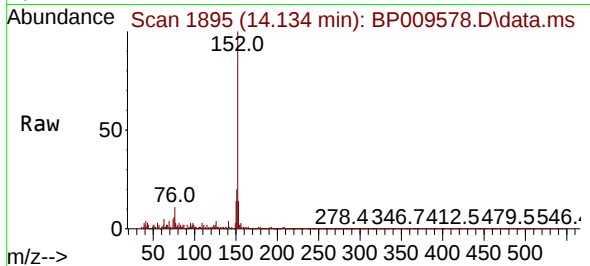




#49
Acenaphthylene
Concen: 2.604 ng
RT: 14.134 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

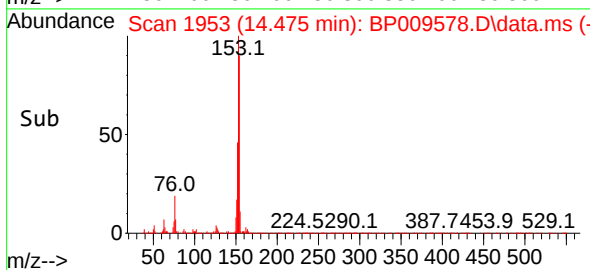
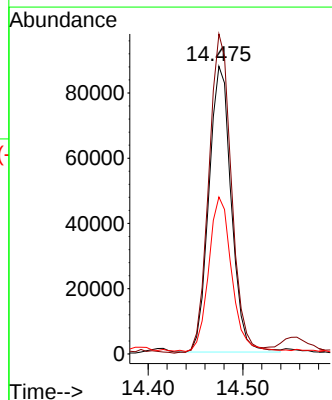
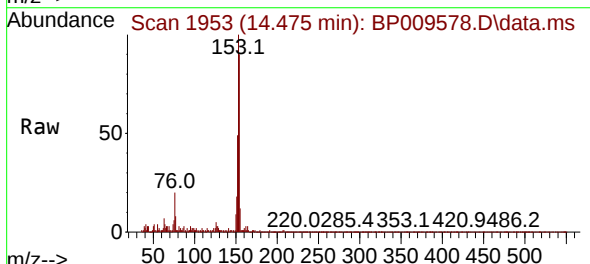
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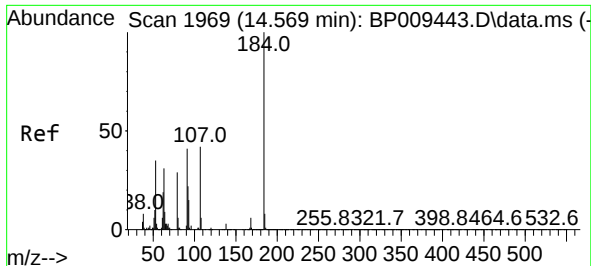
Tgt Ion:152 Resp: 157453
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.8 10.7 16.1



#52
Acenaphthene
Concen: 3.974 ng
RT: 14.475 min Scan# 1953
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:154 Resp: 143542
Ion Ratio Lower Upper
154 100
153 111.2 90.2 135.4
152 54.6 42.7 64.1

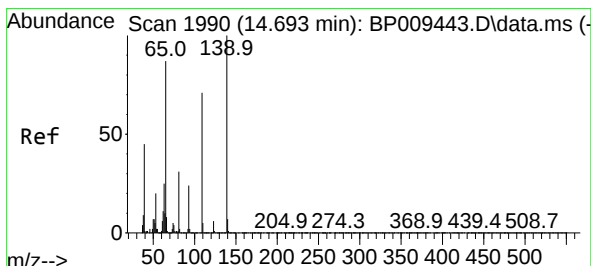
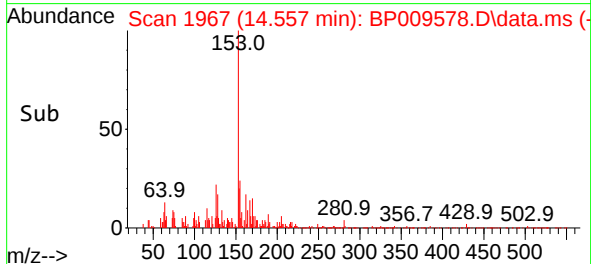
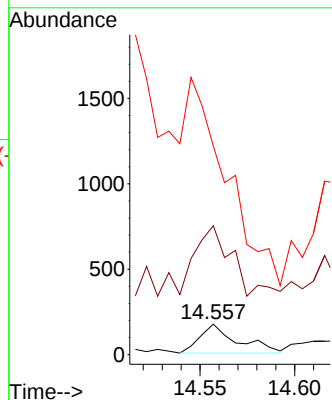
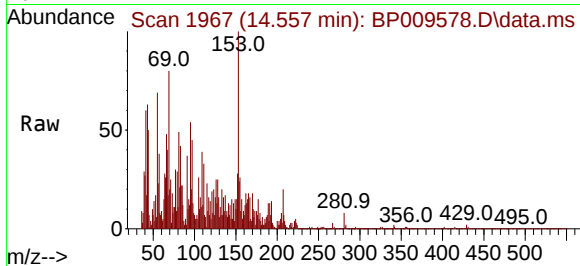




#54
2,4-Dinitrophenol
Concen: 4.566 ng
RT: 14.557 min Scan# 1969
Delta R.T. 0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

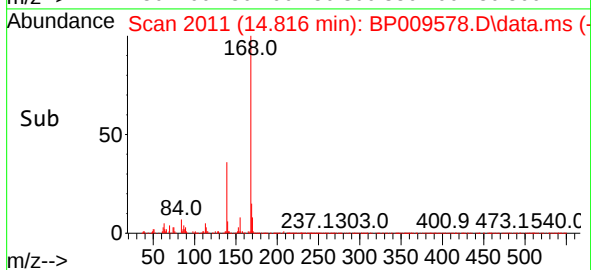
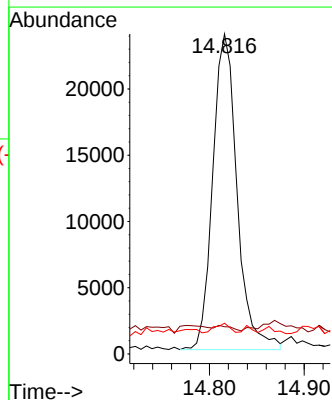
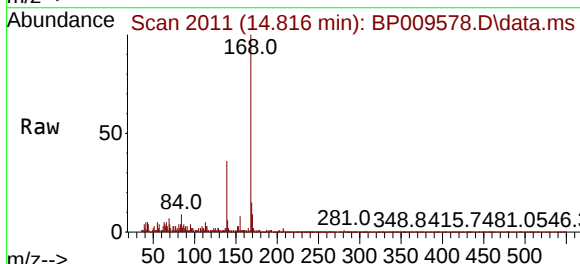
Instrument :
BNA_P
ClientSampleId :
RBR-200031

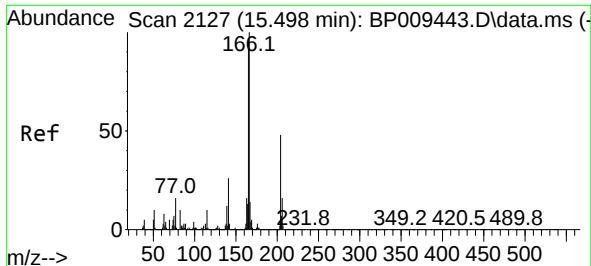
Tgt Ion:	184	Resp:	232
Ion Ratio	Lower	Upper	
184	100		
63	421.8	46.3	69.5#
154	682.1	45.8	68.6#



#56
4-Nitrophenol
Concen: 5.106 ng
RT: 14.816 min Scan# 2011
Delta R.T. 0.147 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:	139	Resp:	42566
Ion Ratio	Lower	Upper	
139	100		
109	8.5	51.2	91.2#
65	9.6	73.2	113.2#

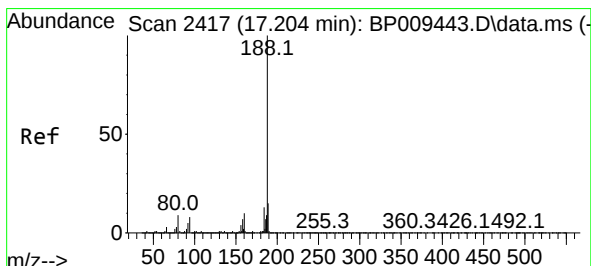
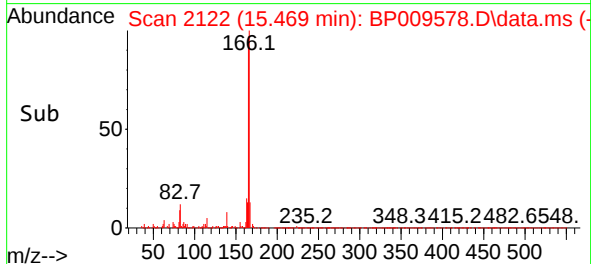
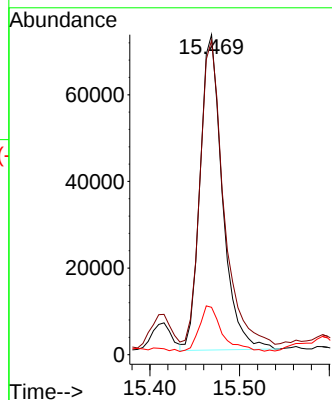
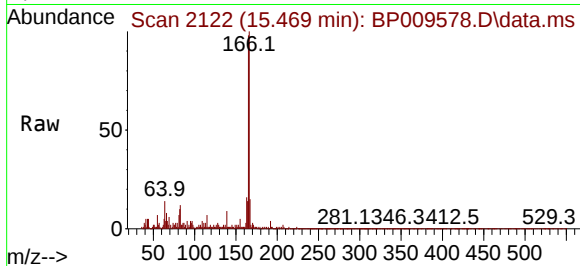




#58
 Fluorene
 Concen: 2.639 ng
 RT: 15.469 min Scan# 2127
 Delta R.T. -0.006 min
 Lab File: BP009578.D
 Acq: 28 Mar 2022 22:17

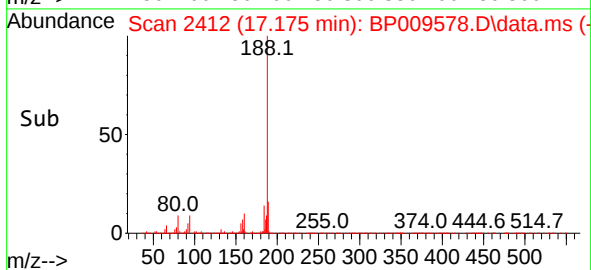
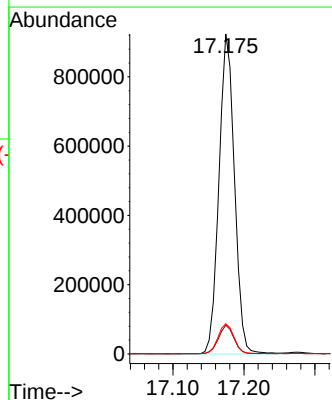
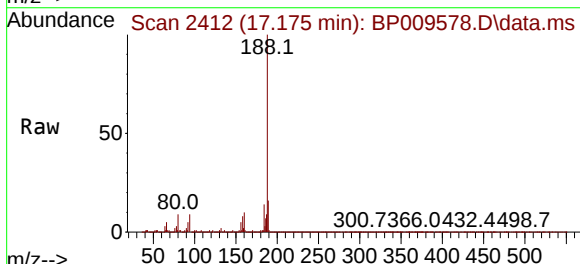
Instrument :
 BNA_P
 ClientSampleId :
 RBR-200031

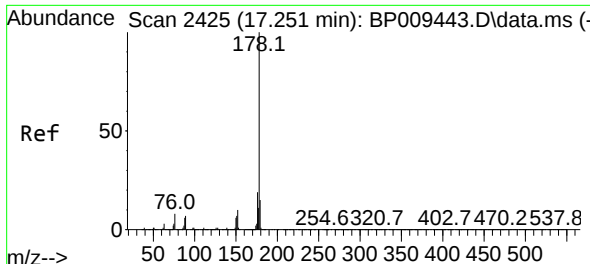
Tgt Ion:166 Resp: 125957
 Ion Ratio Lower Upper
 166 100
 165 98.2 79.2 118.8
 167 14.8 10.7 16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.175 min Scan# 2412
 Delta R.T. -0.012 min
 Lab File: BP009578.D
 Acq: 28 Mar 2022 22:17

Tgt Ion:188 Resp: 1397056
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.9 11.9
 80 9.4 8.8 13.2

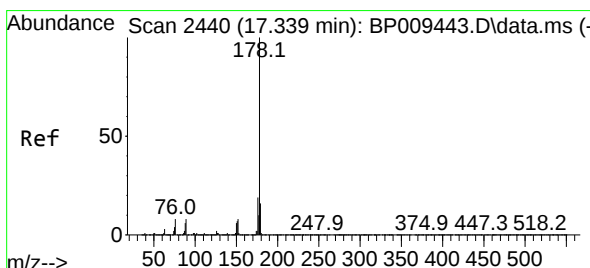
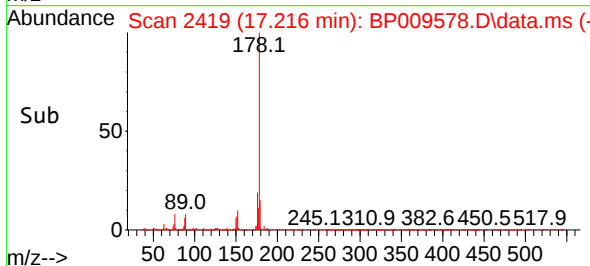
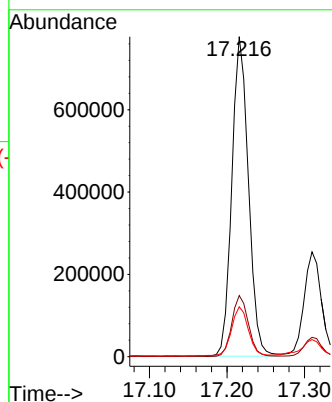
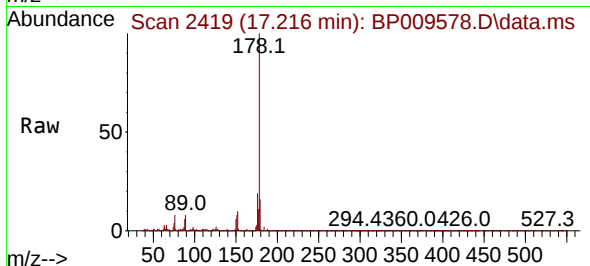




#71
Phenanthrene
Concen: 15.508 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

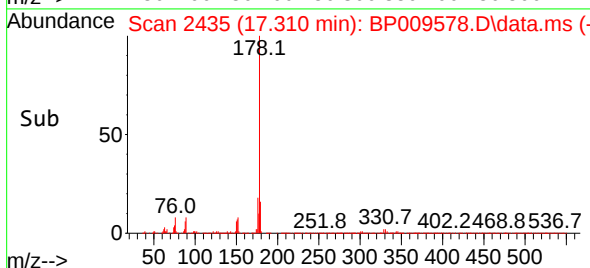
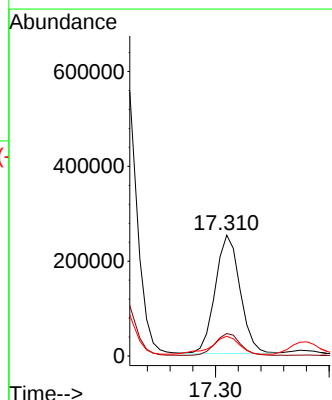
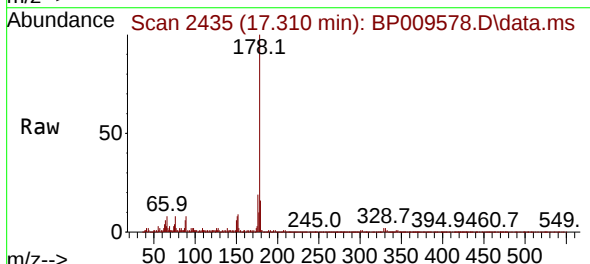
Instrument :
BNA_P
ClientSampleId :
RBR-200031

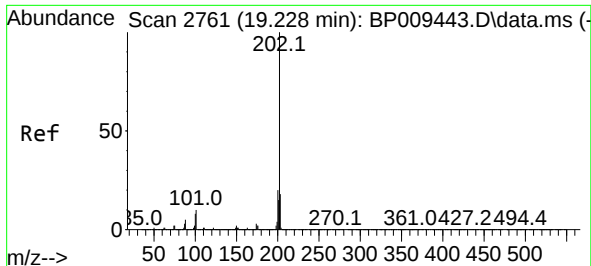
Tgt Ion:178 Resp: 1159735
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.6 12.3 18.5



#72
Anthracene
Concen: 5.143 ng
RT: 17.310 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:178 Resp: 379734
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 16.4 12.2 18.4

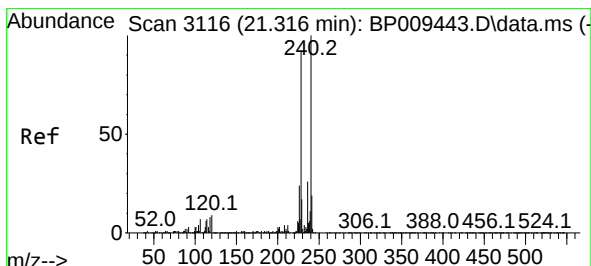
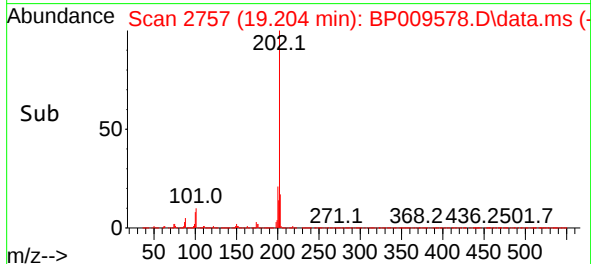
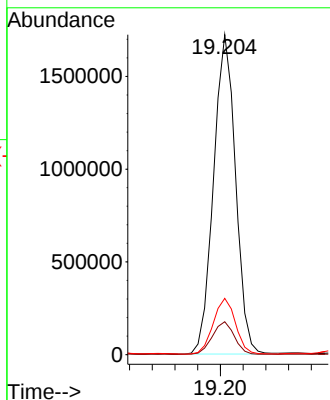
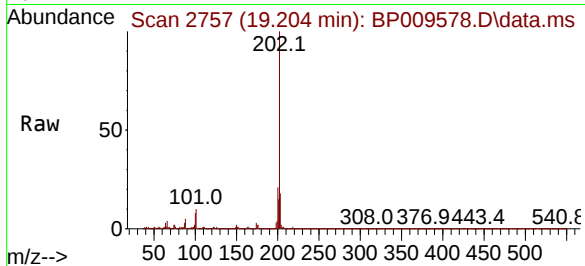




#75
Fluoranthene
Concen: 25.625 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

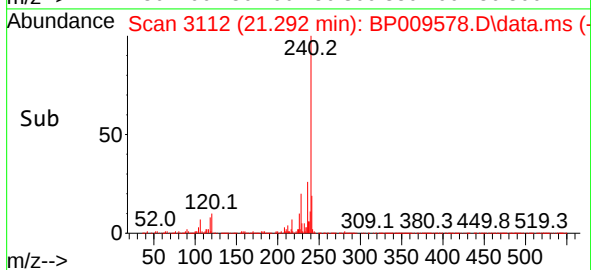
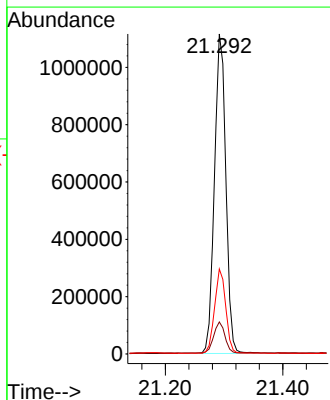
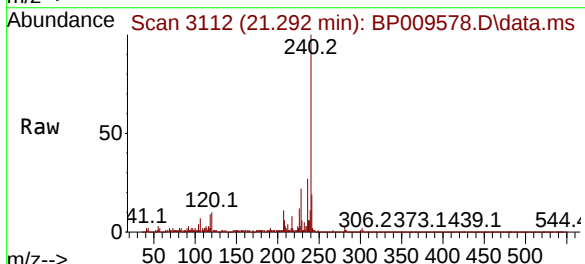
Instrument :
BNA_P
ClientSampleId :
RBR-200031

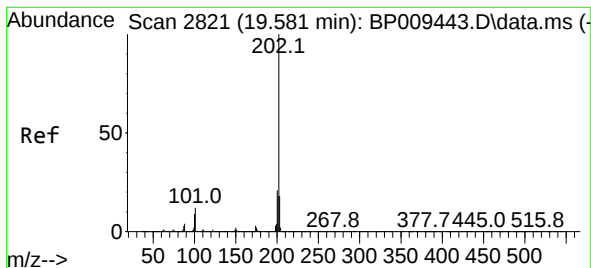
Tgt Ion:202 Resp: 2320068
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.5
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:240 Resp: 1499455
Ion Ratio Lower Upper
240 100
120 10.0 9.0 13.4
236 26.6 20.6 30.8





#78

Pyrene

Concen: 22.095 ng

RT: 19.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009578.D

Acq: 28 Mar 2022 22:17

Instrument :

BNA_P

ClientSampleId :

RBR-200031

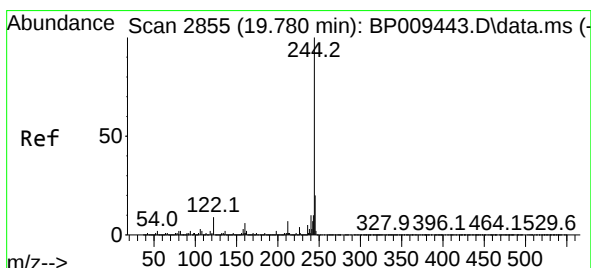
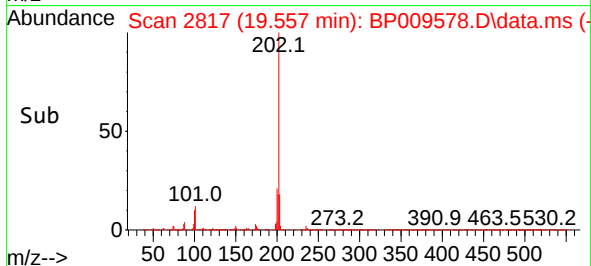
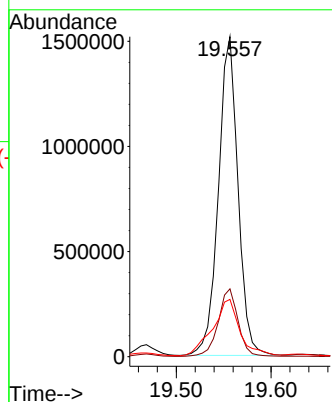
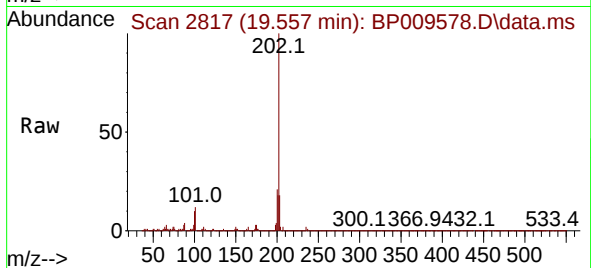
Tgt Ion:202 Resp: 2183190

Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 17.9 14.2 21.4



#79

Terphenyl-d14

Concen: 70.390 ng

RT: 19.757 min Scan# 2851

Delta R.T. -0.006 min

Lab File: BP009578.D

Acq: 28 Mar 2022 22:17

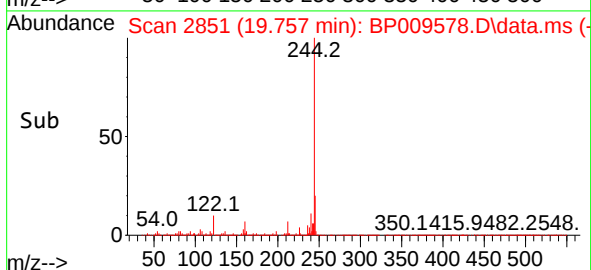
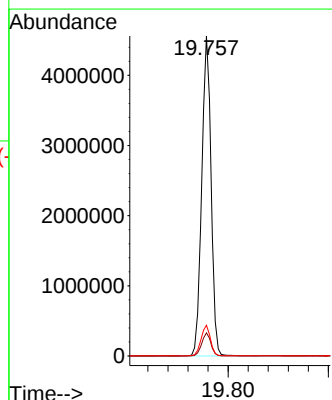
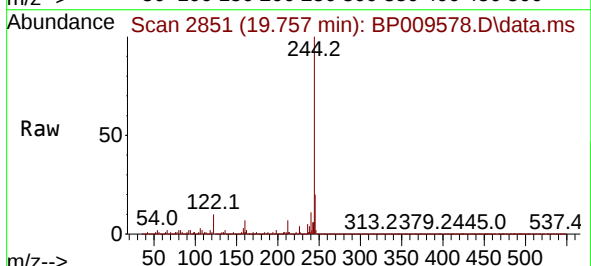
Tgt Ion:244 Resp: 5880388

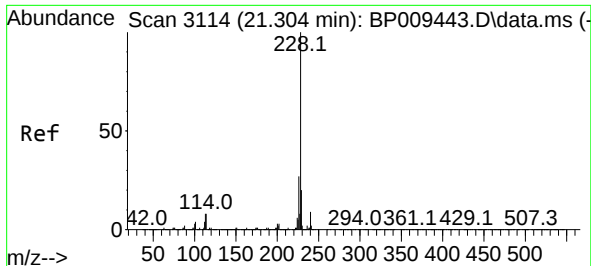
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.6 8.3 12.5

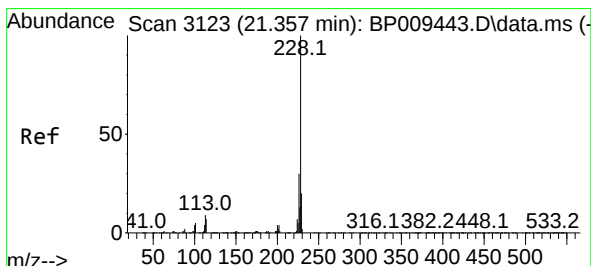
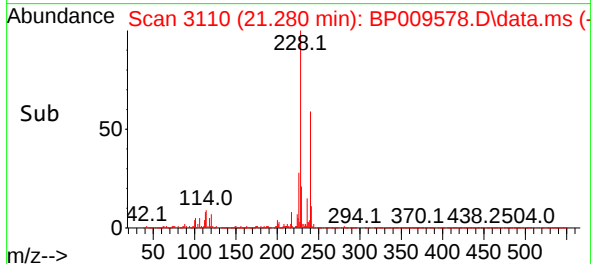
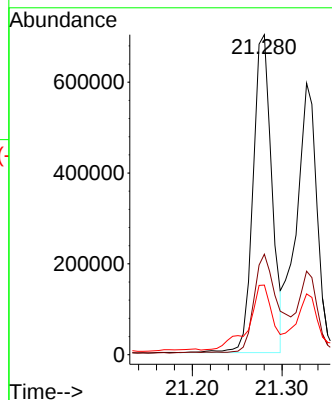
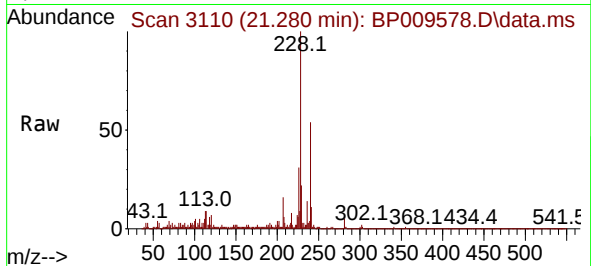




#81
Benzo(a)anthracene
Concen: 10.336 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

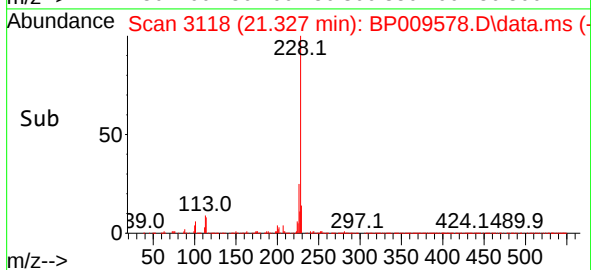
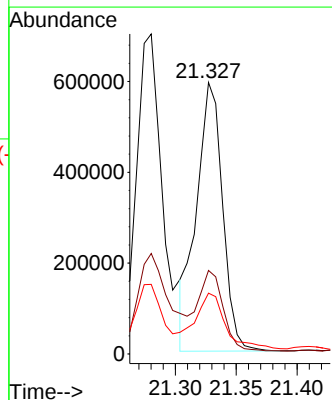
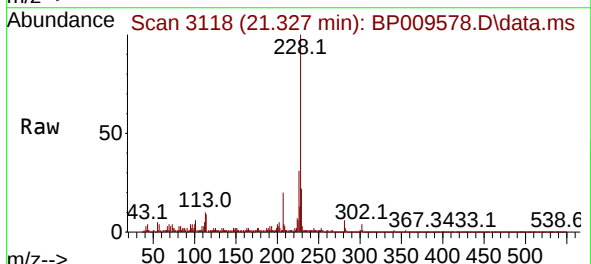
Instrument :
BNA_P
ClientSampleId :
RBR-200031

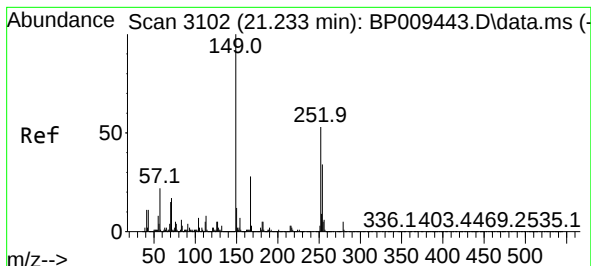
Tgt Ion:228 Resp: 1018278
Ion Ratio Lower Upper
228 100
226 31.4 22.0 33.0
229 21.8 16.1 24.1



#83
Chrysene
Concen: 9.505 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:228 Resp: 886696
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.2
229 22.4 16.1 24.1



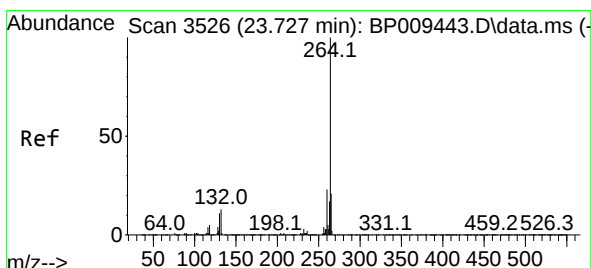
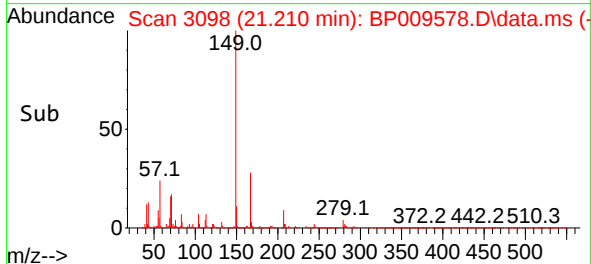
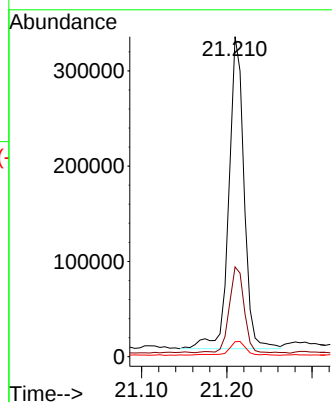
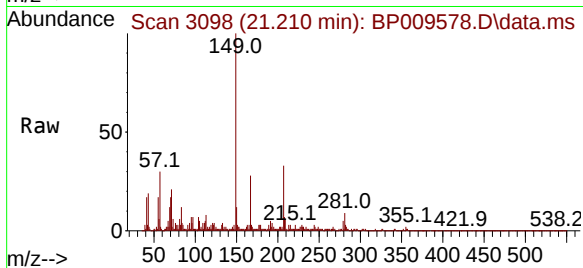


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 6.964 ng
 RT: 21.210 min Scan# 3098
 Delta R.T. -0.006 min
 Lab File: BP009578.D
 Acq: 28 Mar 2022 22:17

Instrument :
 BNA_P
 ClientSampleId :
 RBR-200031

Tgt Ion:149 Resp: 407648

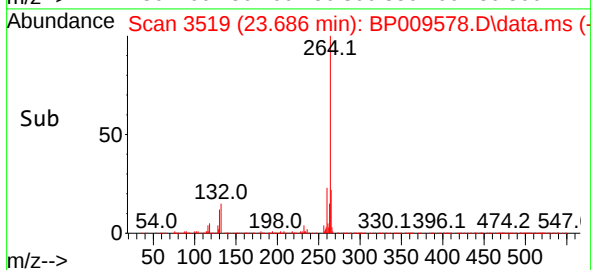
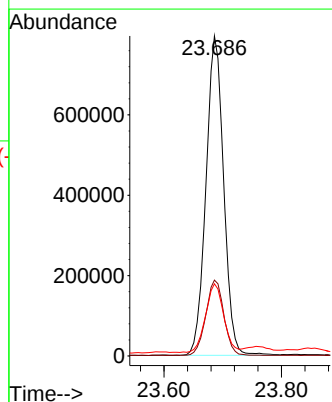
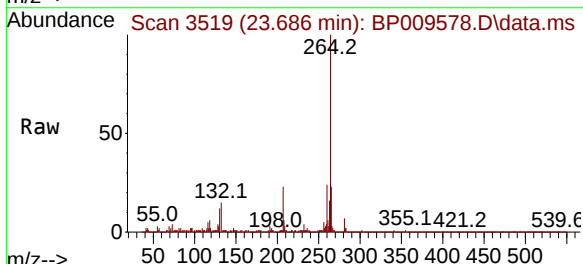
Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.6	33.8
279	4.7	3.8	5.6

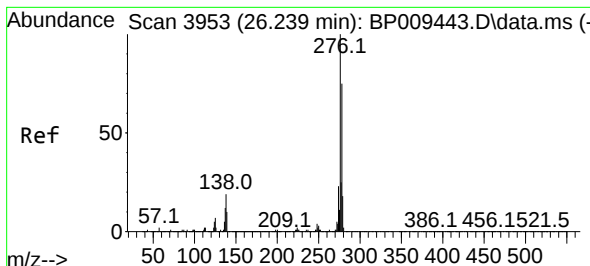


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.686 min Scan# 3519
 Delta R.T. -0.006 min
 Lab File: BP009578.D
 Acq: 28 Mar 2022 22:17

Tgt Ion:264 Resp: 1660654

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	22.5	17.2	25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.236 ng

RT: 26.174 min Scan# 3395

Delta R.T. -0.024 min

Lab File: BP009578.D

Acq: 28 Mar 2022 22:17

Instrument :

BNA_P

ClientSampleId :

RBR-200031

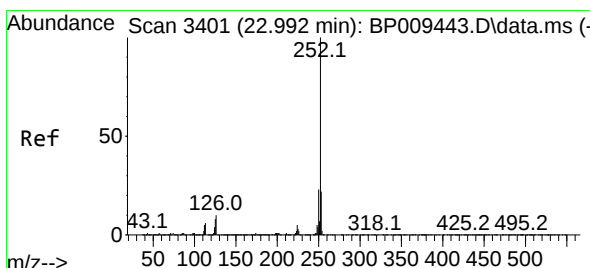
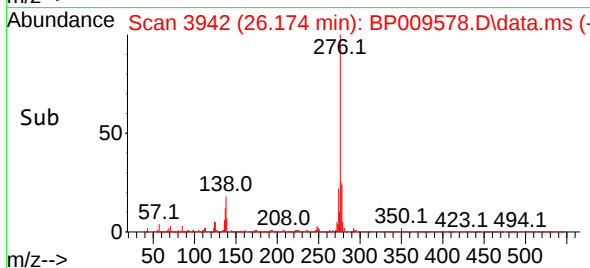
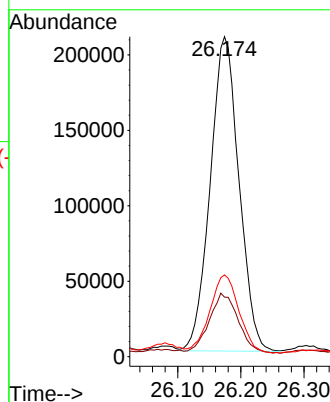
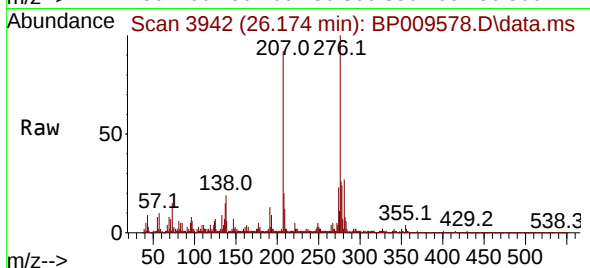
Tgt Ion:276 Resp: 659660

Ion Ratio Lower Upper

276 100

138 19.2 20.5 30.7#

277 25.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 17.414 ng

RT: 22.962 min Scan# 3396

Delta R.T. -0.000 min

Lab File: BP009578.D

Acq: 28 Mar 2022 22:17

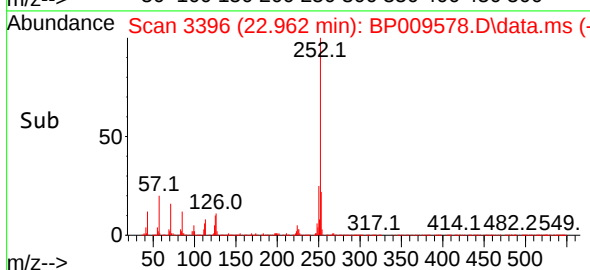
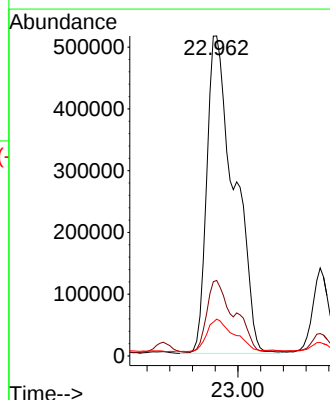
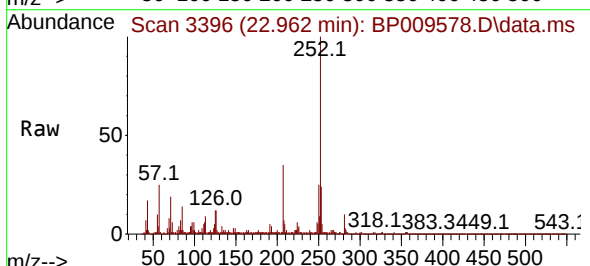
Tgt Ion:252 Resp: 1726406

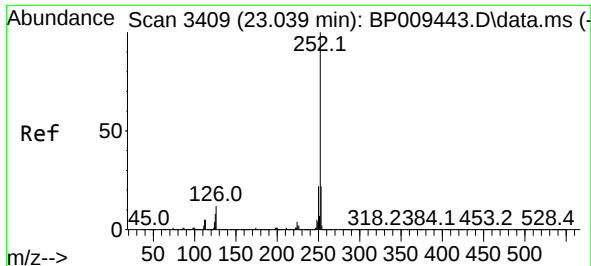
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 11.5 8.1 12.1

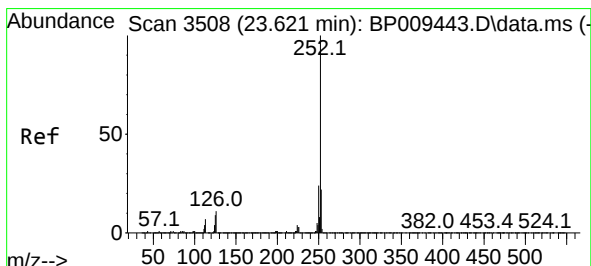
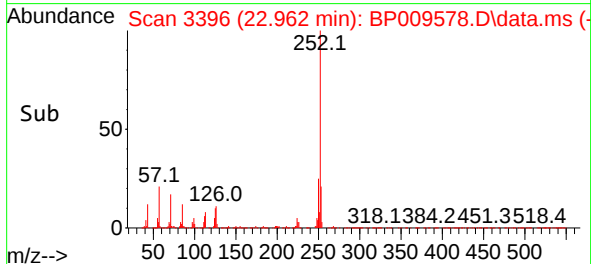
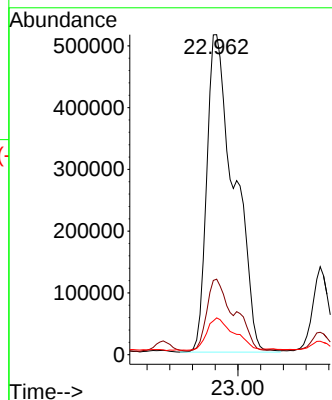
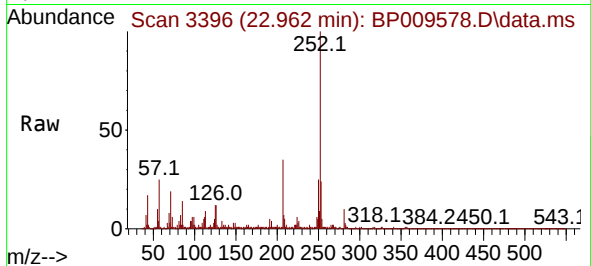




#89
Benzo(k)fluoranthene
Concen: 17.786 ng
RT: 22.962 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

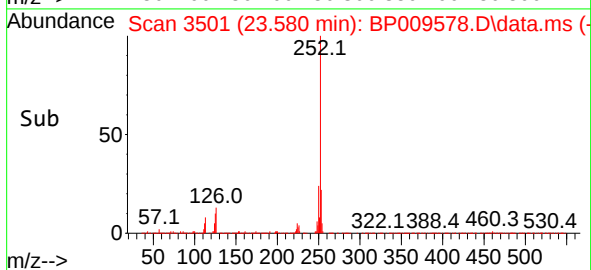
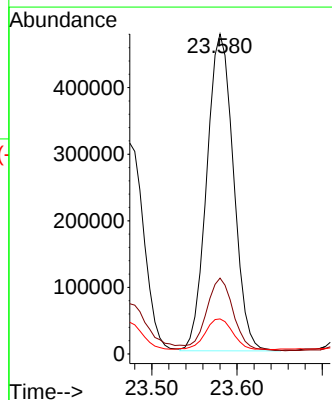
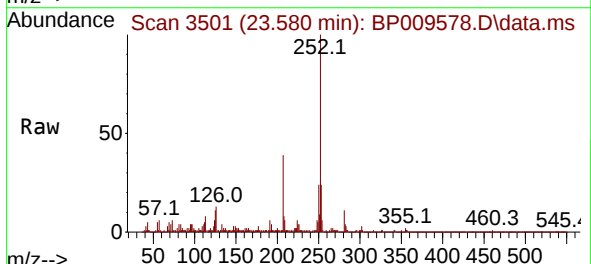
Instrument :
BNA_P
ClientSampleId :
RBR-200031

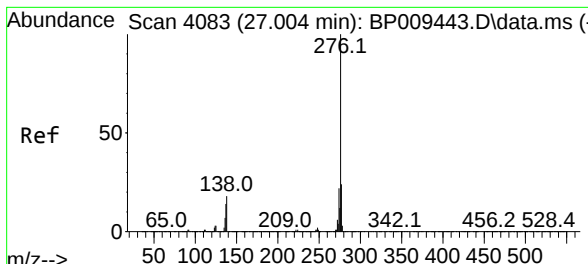
Tgt Ion:252 Resp: 1726406
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 11.5 8.3 12.5



#90
Benzo(a)pyrene
Concen: 12.217 ng
RT: 23.580 min Scan# 3501
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:252 Resp: 1036217
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 11.0 9.3 13.9





#92
 Benzo(g,h,i)perylene
 Concen: 6.519 ng
 RT: 26.939 min Scan# 4083
 Delta R.T. -0.012 min
 Lab File: BP009578.D
 Acq: 28 Mar 2022 22:17

Instrument :
 BNA_P
 ClientSampleId :
 RBR-200031

Tgt Ion: 276 Resp: 673397

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.2	28.8
138	20.4	18.0	27.0

