

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020722\
 Data File : BP009049.D
 Acq On : 07 Feb 2022 16:30
 Operator : CG/JU
 Sample : N1373-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-3-020222

Quant Time: Feb 07 17:01:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 07 15:13:17 2022
 Response via : Initial Calibration

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

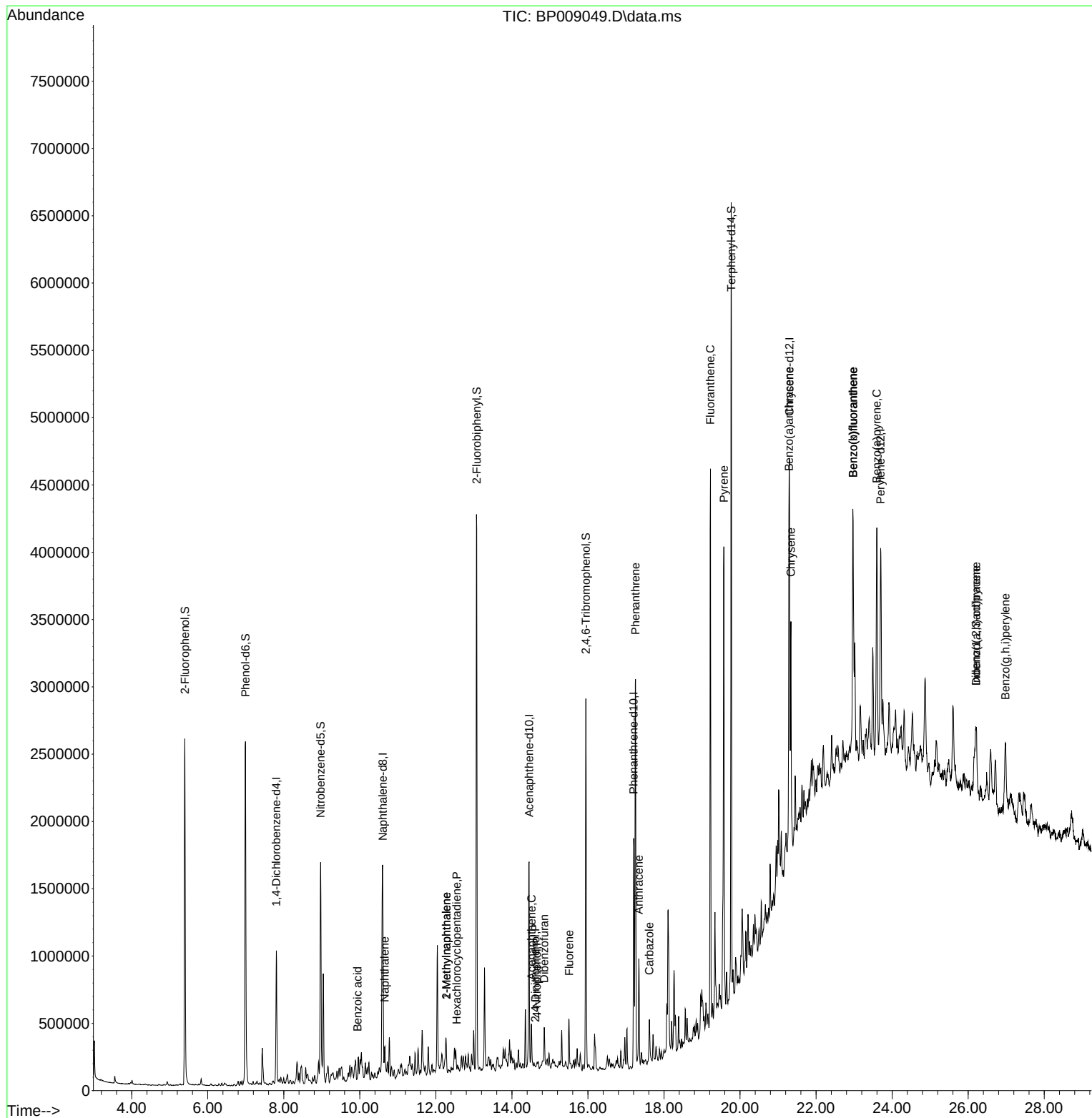
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	296352	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	1032816	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	561762	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1086204	20.000	ng	0.00
76) Chrysene-d12	21.298	240	1057923	20.000	ng	0.00
86) Perylene-d12	23.698	264	1189197	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1345225	80.972	ng	0.00
7) Phenol-d6	6.993	99	1711678	78.191	ng	0.00
23) Nitrobenzene-d5	8.969	82	1034133	56.466	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	561117	74.810	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	2304946	57.438	ng	0.00
79) Terphenyl-d14	19.768	244	2891640	49.154	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.657	128	157759	2.995	ng	98
32) Benzoic acid	9.940	122	793	2.772	ng	# 3
37) 2-Methylnaphthalene	12.275	142	109204	2.930	ng	96
38) 1-Methylnaphthalene	12.275	142	109204	2.998	ng	99
41) Hexachlorocyclopentadiene	12.551	237	25	8.659	ng	91
52) Acenaphthene	14.516	154	111786	3.716	ng	99
54) 2,4-Dinitrophenol	14.616	184	133	2.204	ng	# 1
55) Dibenzofuran	14.851	168	153770	3.034	ng	# 97
56) 4-Nitrophenol	14.657	139	2720	2.068	ng	# 25
58) Fluorene	15.504	166	170054	4.367	ng	99
71) Phenanthrene	17.251	178	1940721	32.997	ng	99
72) Anthracene	17.339	178	526093	9.143	ng	100
73) Carbazole	17.616	167	209395	3.796	ng	98
75) Fluoranthene	19.221	202	2491578	37.798	ng	98
78) Pyrene	19.574	202	2207090	29.327	ng	98
81) Benzo(a)anthracene	21.286	228	1142079	16.752	ng	99
83) Chrysene	21.339	228	987504	15.025	ng	97
87) Indeno(1,2,3-cd)pyrene	26.209	276	670995	7.594	ng	# 93
88) Benzo(b)fluoranthene	22.974	252	1323313	18.076	ng	# 92
89) Benzo(k)fluoranthene	22.974	252	1323313	18.118	ng	92
90) Benzo(a)pyrene	23.598	252	988991	16.203	ng	96
91) Dibenzo(a,h)anthracene	26.209	278	184383	2.539	ng	# 73
92) Benzo(g,h,i)perylene	26.980	276	685527	9.482	ng	95

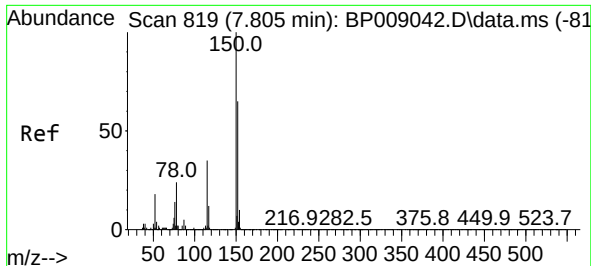
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020722\
Data File : BP009049.D
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Quant Time: Feb 07 17:01:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 07 15:13:17 2022
Response via : Initial Calibration

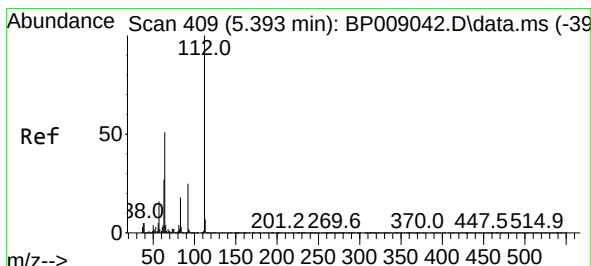
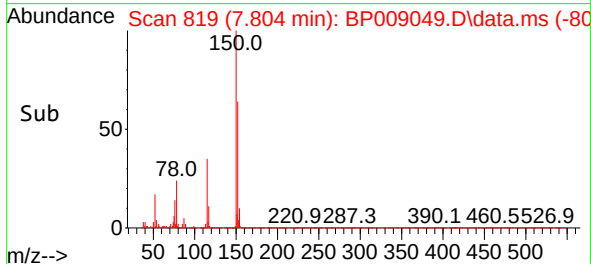
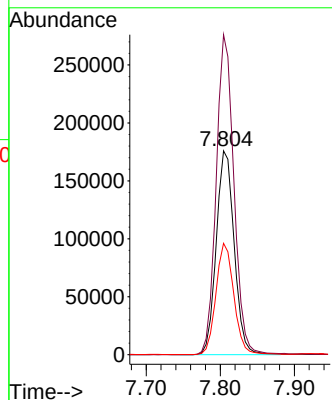
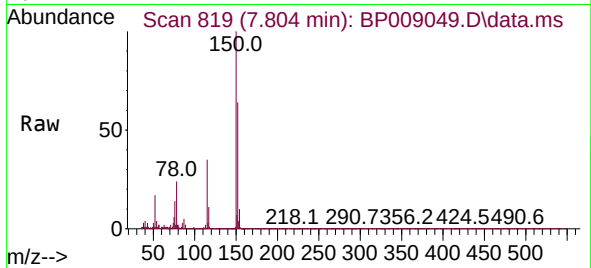




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.001 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

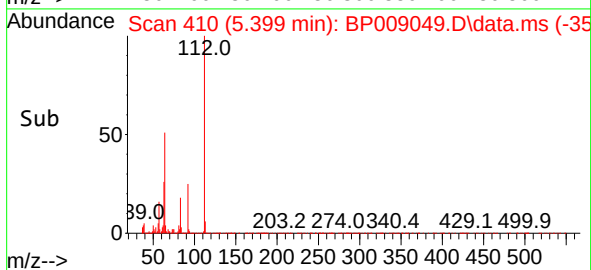
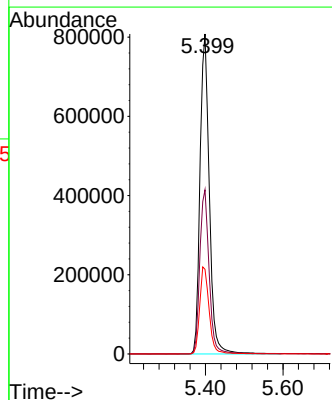
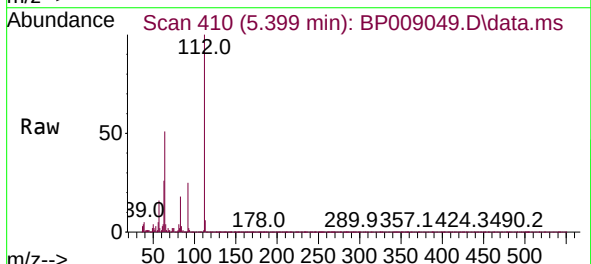
Instrument :
BNA_P
ClientSampleId :
OR-3-020222

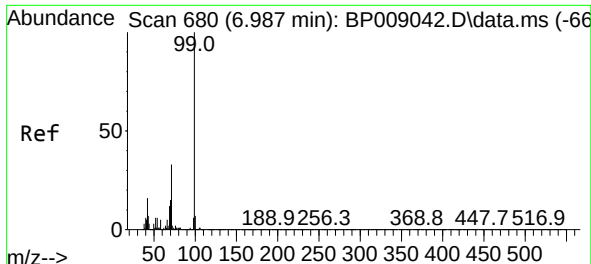
Tgt Ion:152 Resp: 296352
Ion Ratio Lower Upper
152 100
150 157.0 127.0 190.6
115 54.6 43.7 65.5



#5
2-Fluorophenol
Concen: 80.972 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:112 Resp: 1345225
Ion Ratio Lower Upper
112 100
64 51.3 39.7 59.5
63 26.5 20.0 30.0

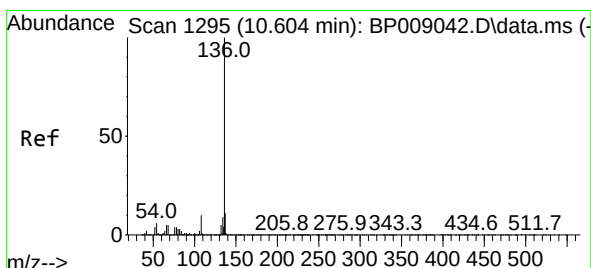
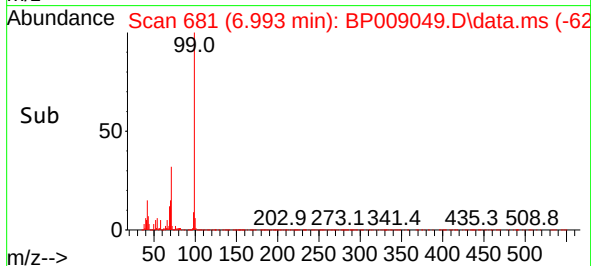
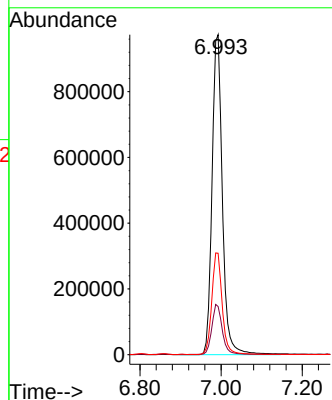
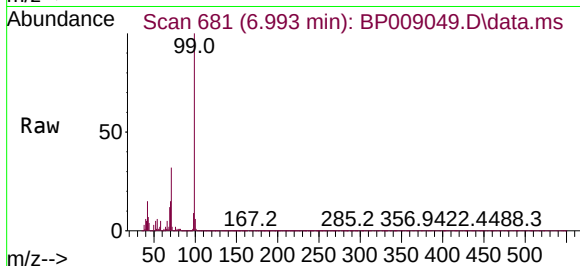




#7
Phenol-d6
Concen: 78.191 ng
RT: 6.993 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

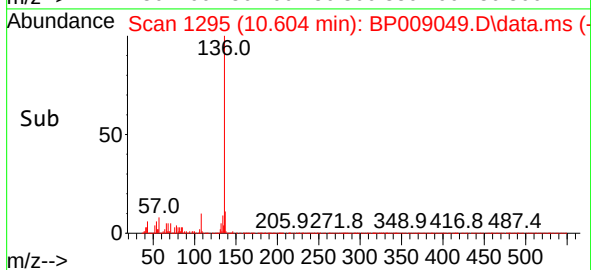
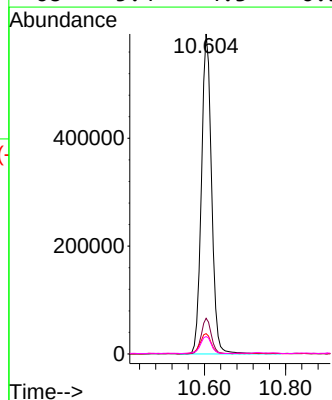
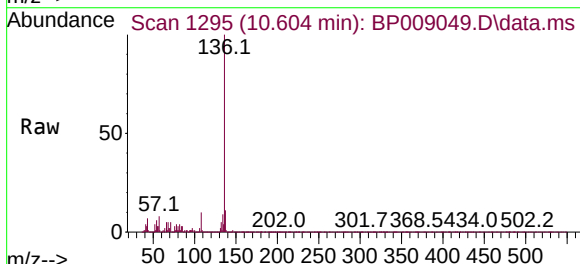
Instrument :
BNA_P
ClientSampleId :
OR-3-020222

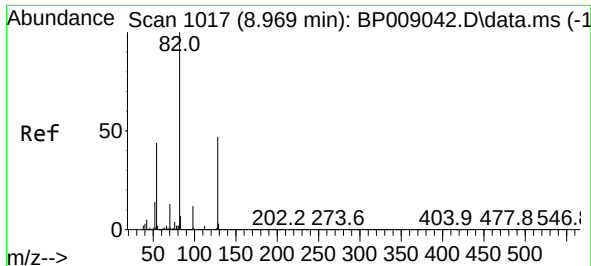
Tgt Ion: 99 Resp: 1711678
Ion Ratio Lower Upper
99 100
42 15.1 10.8 16.2
71 31.7 23.8 35.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion: 136 Resp: 1032816
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.4 4.9 7.3
68 5.4 4.3 6.5

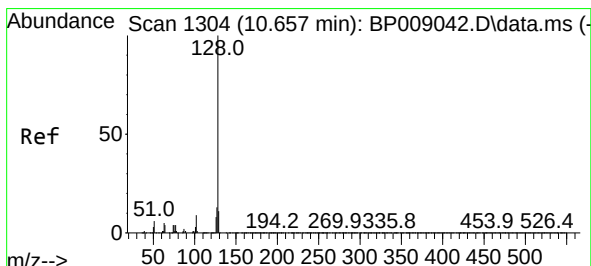
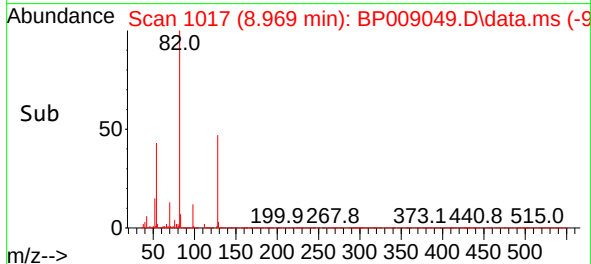
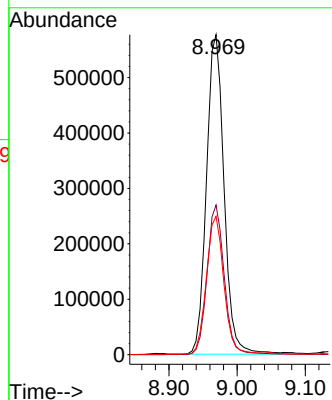
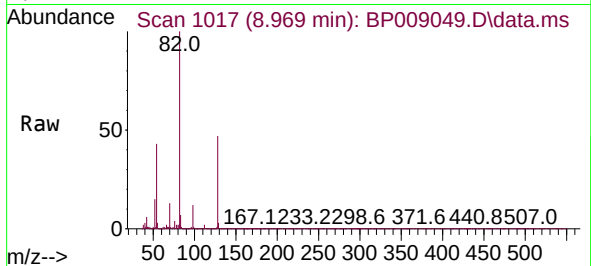




#23
Nitrobenzene-d5
Concen: 56.466 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

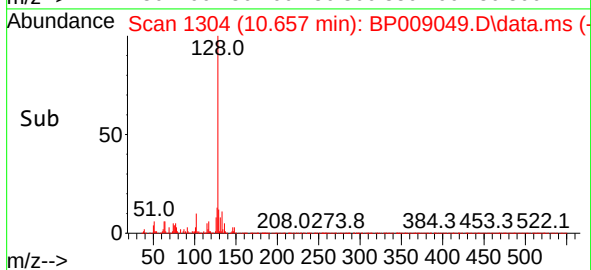
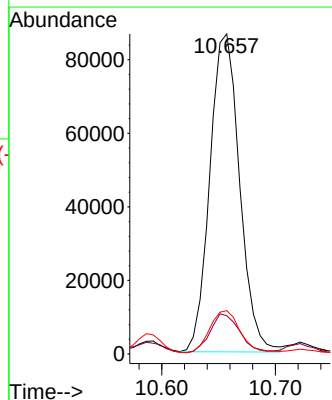
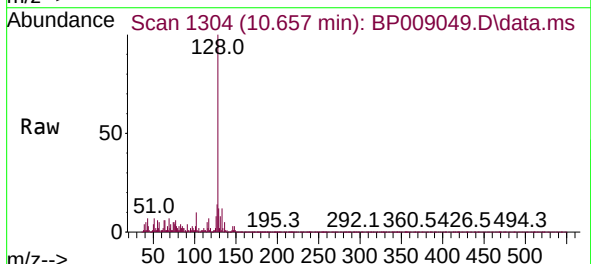
Instrument :
BNA_P
ClientSampleId :
OR-3-020222

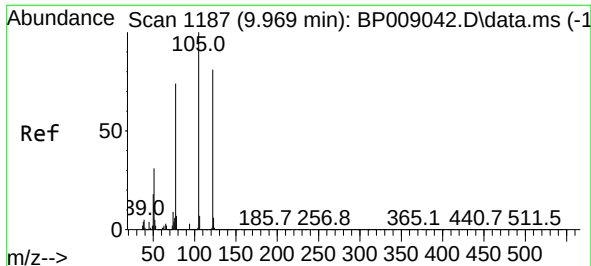
Tgt Ion: 82 Resp: 1034133
Ion Ratio Lower Upper
82 100
128 46.7 39.4 59.2
54 43.2 32.6 48.8



#31
Naphthalene
Concen: 2.995 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion: 128 Resp: 157759
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 13.5 10.4 15.6

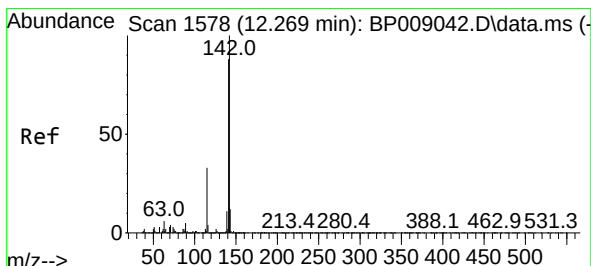
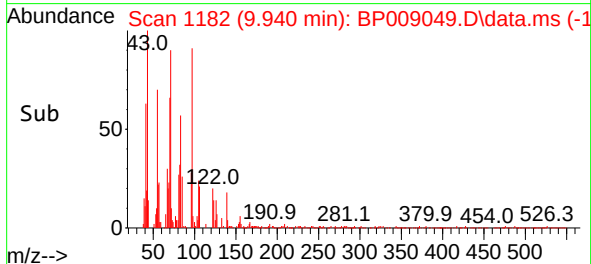
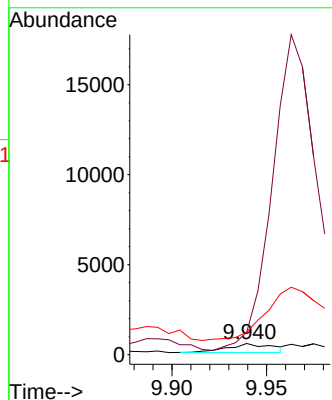
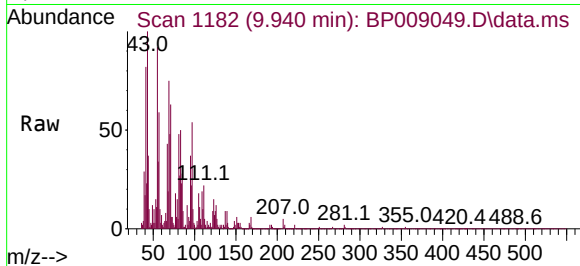




#32
Benzoic acid
Concen: 2.772 ng
RT: 9.940 min Scan# 1187
Delta R.T. -0.029 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

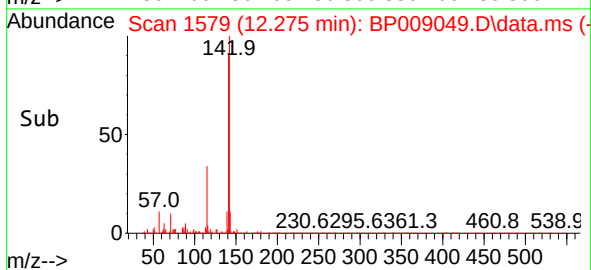
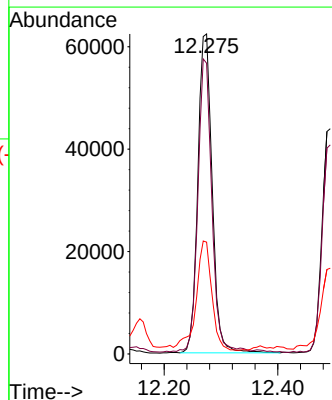
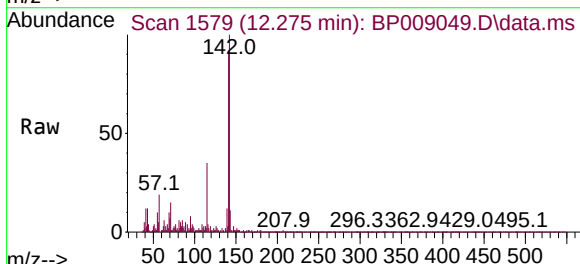
Instrument :
BNA_P
ClientSampleId :
OR-3-020222

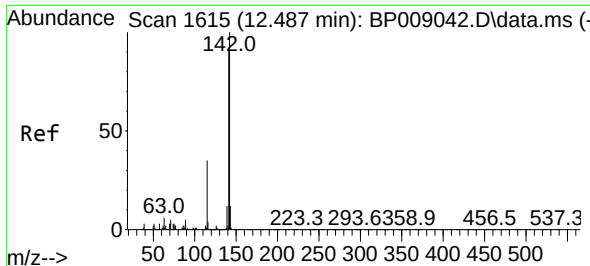
Tgt Ion:122 Resp: 793
Ion Ratio Lower Upper
122 100
105 203.1 100.1 140.1#
77 203.1 65.5 105.5#



#37
2-Methylnaphthalene
Concen: 2.930 ng
RT: 12.275 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:142 Resp: 109204
Ion Ratio Lower Upper
142 100
141 90.9 70.5 105.7
115 34.9 24.6 36.8

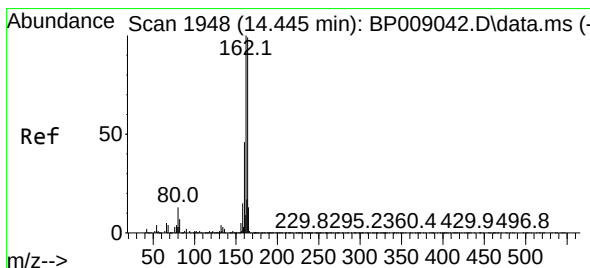
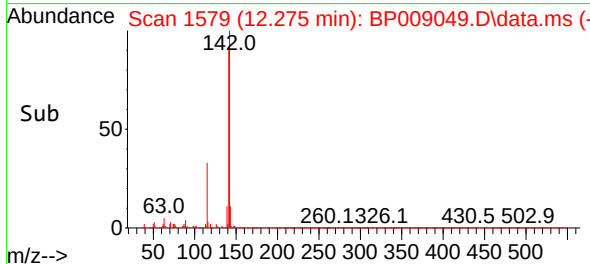
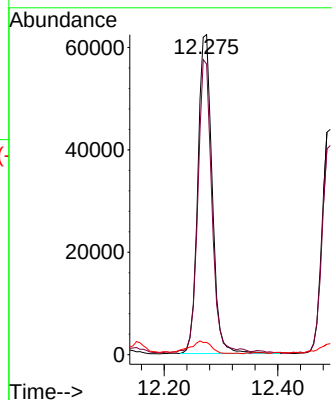
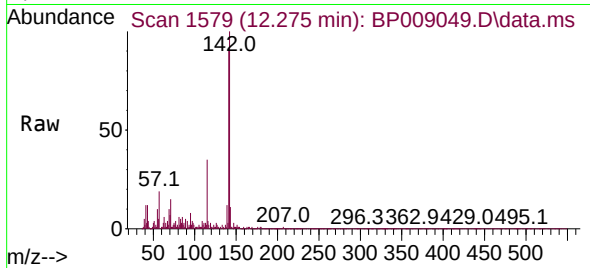




#38
1-Methylnaphthalene
Concen: 2.998 ng
RT: 12.275 min Scan# 11
Delta R.T. -0.212 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

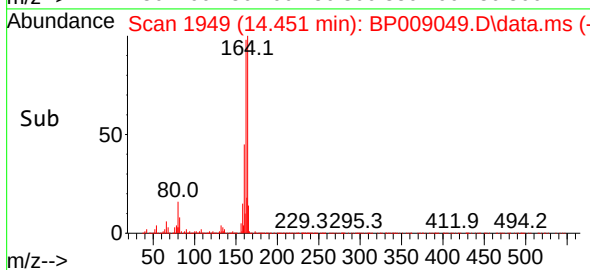
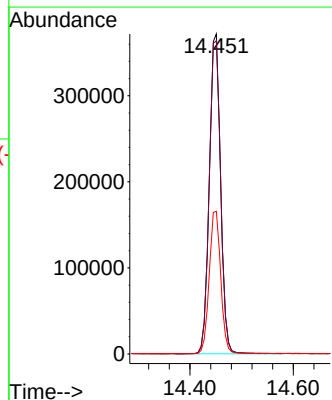
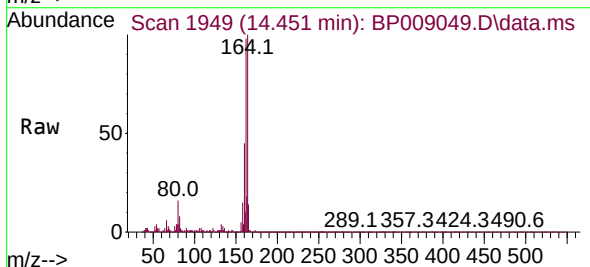
Instrument :
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ClientSampleId :
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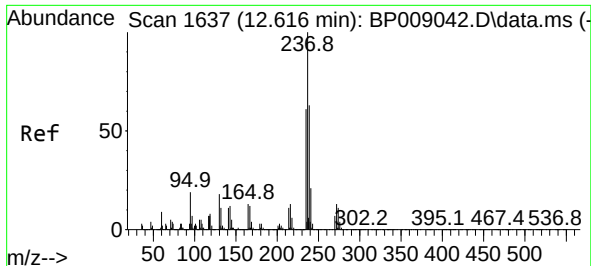
Tgt Ion:142 Resp: 109204
Ion Ratio Lower Upper
142 100
141 90.9 73.2 109.8
116 3.8 2.7 4.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:164 Resp: 561762
Ion Ratio Lower Upper
164 100
162 97.9 79.9 119.9
160 44.6 35.5 53.3

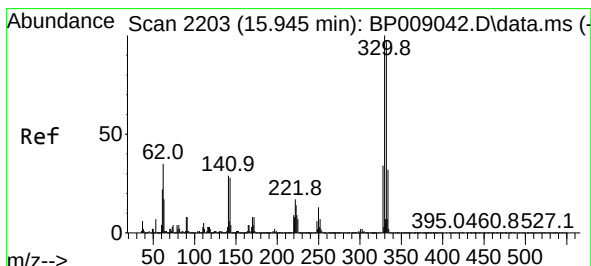
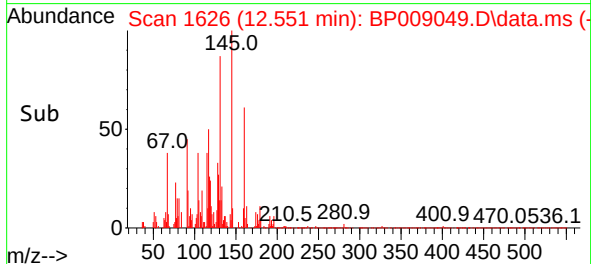
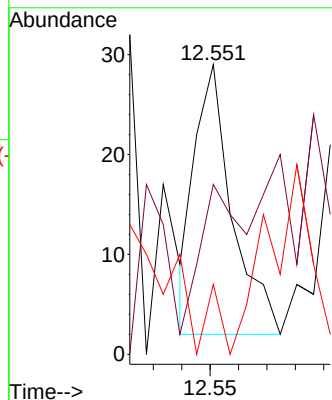
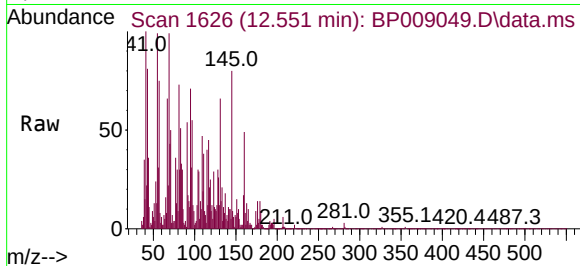




#41
Hexachlorocyclopentadiene
Concen: 8.659 ng
RT: 12.551 min Scan# 1
Delta R.T. -0.065 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

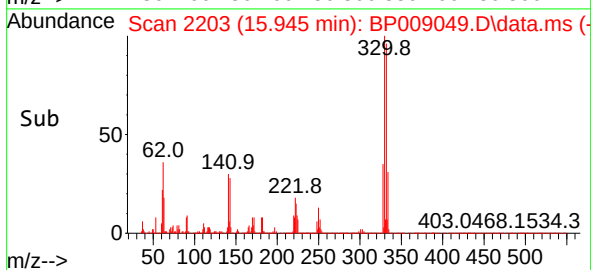
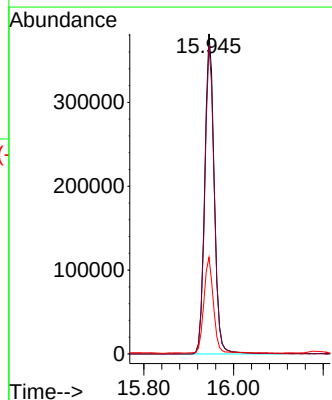
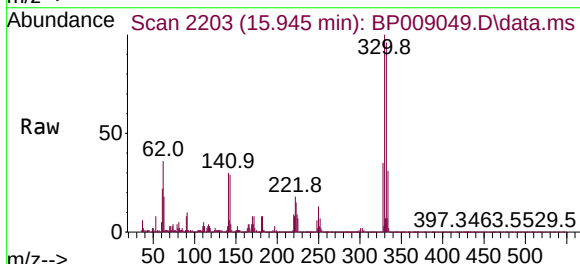
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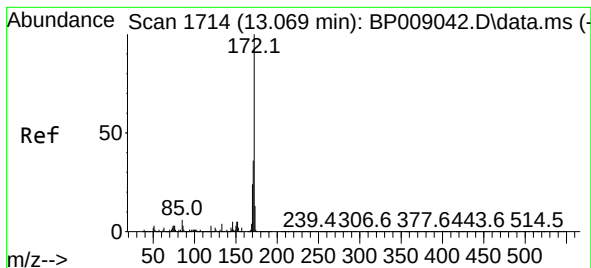
Tgt Ion:237	Resp:	25
Ion	Ratio	Lower Upper
237	100	
235	58.6	42.9 82.9
272	24.1	0.0 33.8



#42
2,4,6-Tribromophenol
Concen: 74.810 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:330	Resp:	561117
Ion	Ratio	Lower Upper
330	100	
332	95.9	77.0 115.4
141	30.0	21.3 31.9





#45

2-Fluorobiphenyl

Concen: 57.438 ng

RT: 13.075 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP009049.D

Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

OR-3-020222

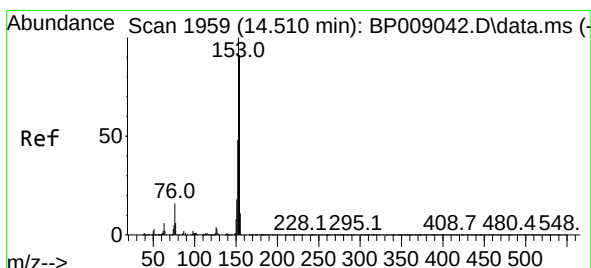
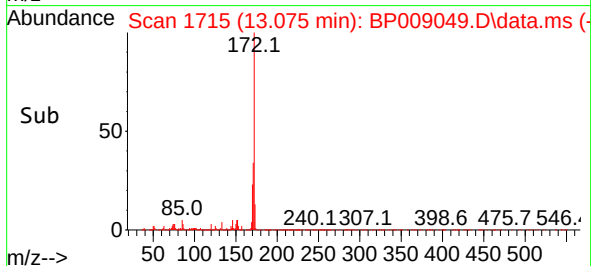
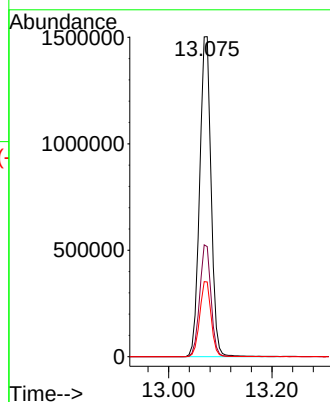
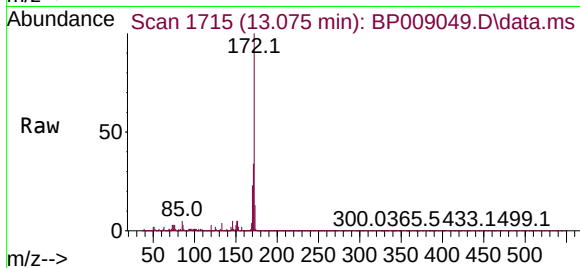
Tgt Ion:172 Resp: 2304946

Ion Ratio Lower Upper

172 100

171 34.4 29.3 43.9

170 23.3 19.5 29.3



#52

Acenaphthene

Concen: 3.716 ng

RT: 14.516 min Scan# 1960

Delta R.T. 0.006 min

Lab File: BP009049.D

Acq: 07 Feb 2022 16:30

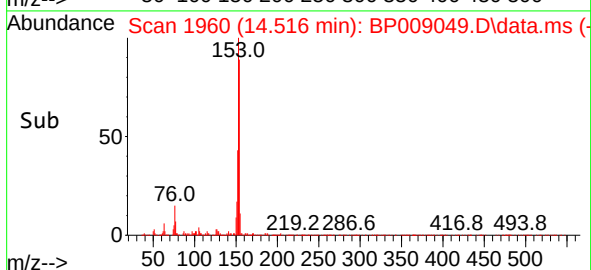
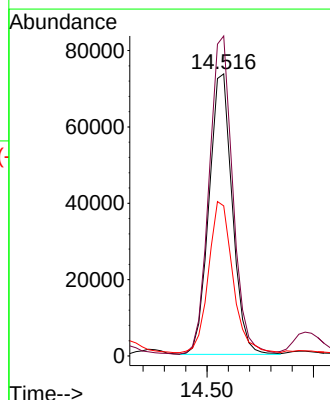
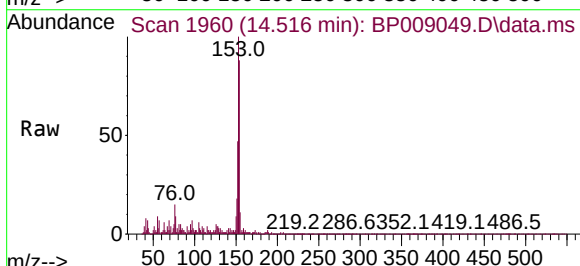
Tgt Ion:154 Resp: 111786

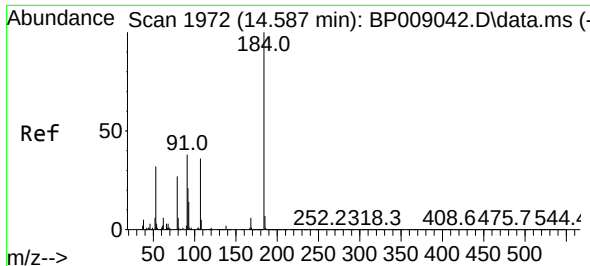
Ion Ratio Lower Upper

154 100

153 113.4 89.4 134.2

152 53.2 42.6 63.8

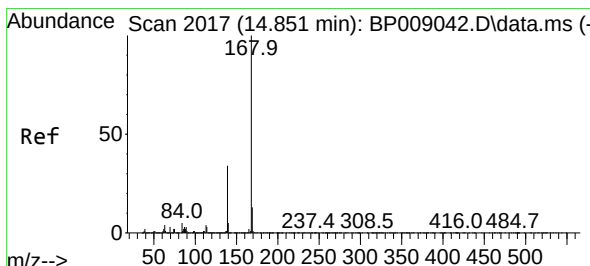
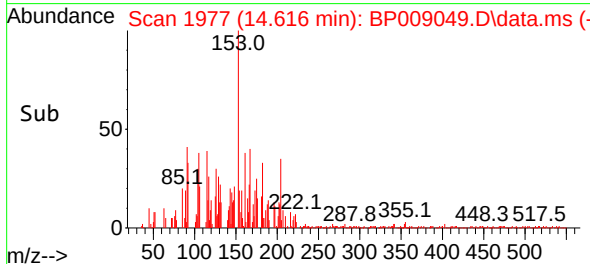
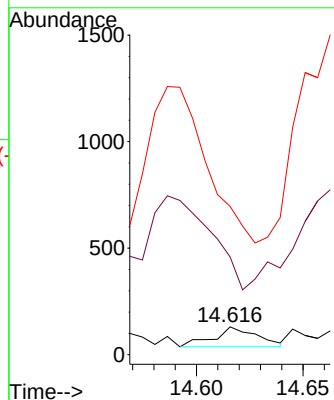
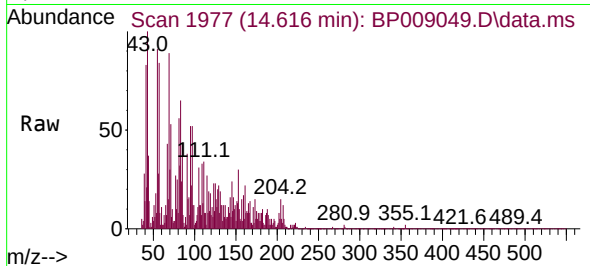




#54
2,4-Dinitrophenol
Concen: 2.204 ng
RT: 14.616 min Scan# 1977
Delta R.T. 0.029 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

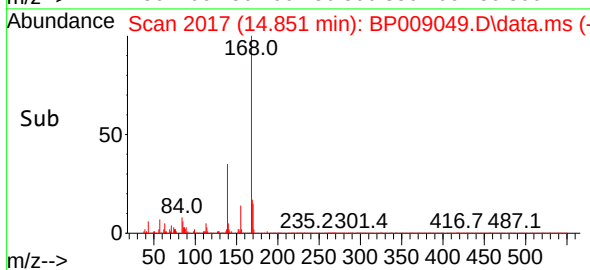
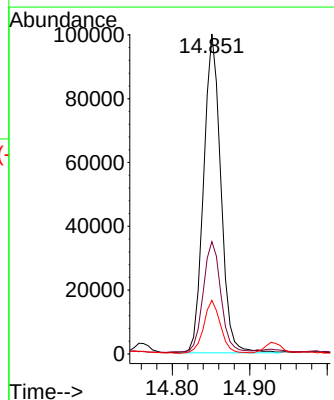
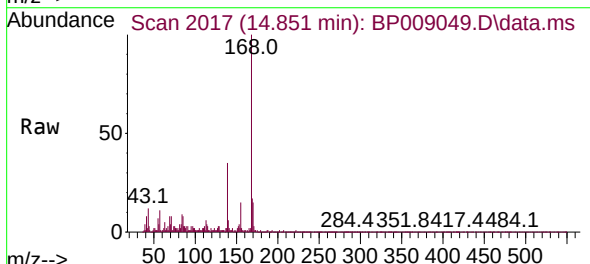
Instrument :
BNA_P
ClientSampleId :
OR-3-020222

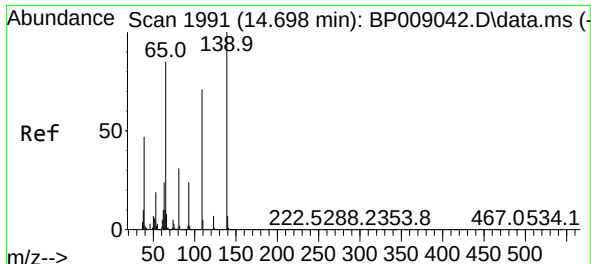
Tgt Ion:184 Resp: 133
Ion Ratio Lower Upper
184 100
63 350.4 35.6 53.4#
154 531.3 43.4 65.0#



#55
Dibenzofuran
Concen: 3.034 ng
RT: 14.851 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:168 Resp: 153770
Ion Ratio Lower Upper
168 100
139 35.1 27.4 41.0
169 16.8 10.9 16.3#

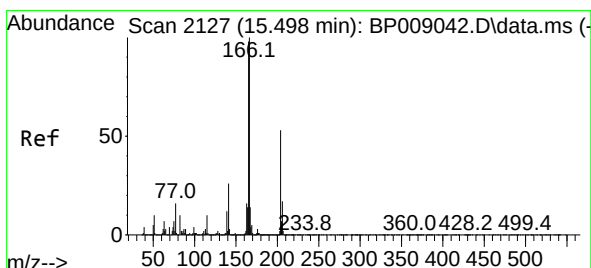
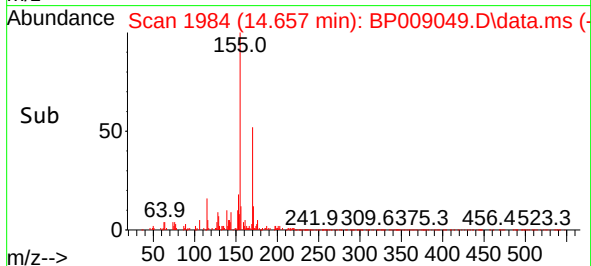
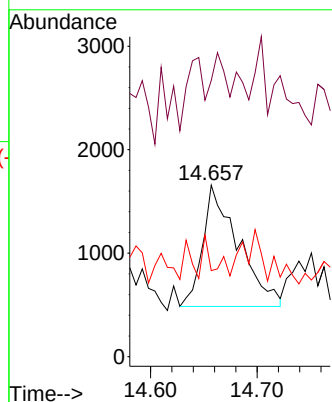
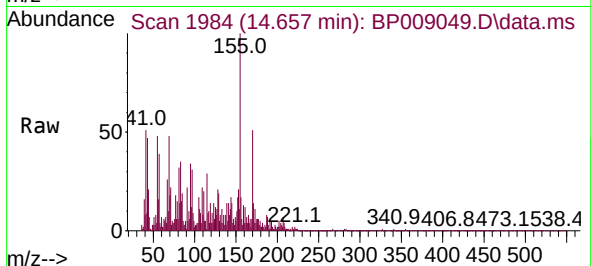




#56
4-Nitrophenol
Concen: 2.068 ng
RT: 14.657 min Scan# 1991
Delta R.T. -0.041 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

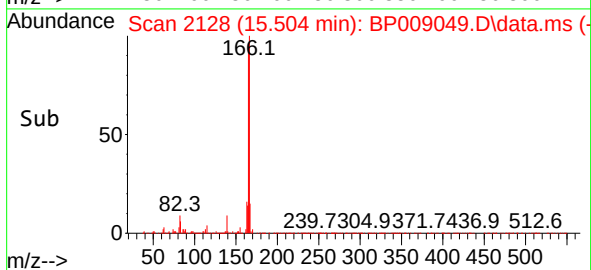
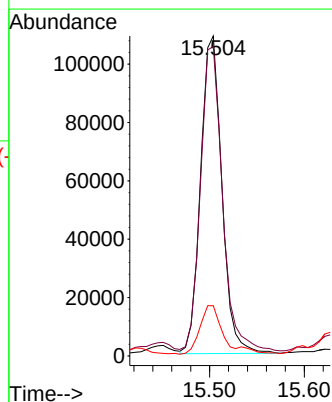
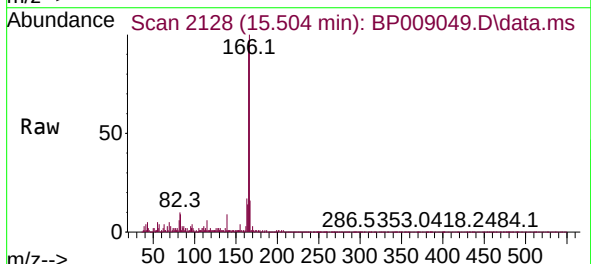
Instrument :
BNA_P
ClientSampleId :
OR-3-020222

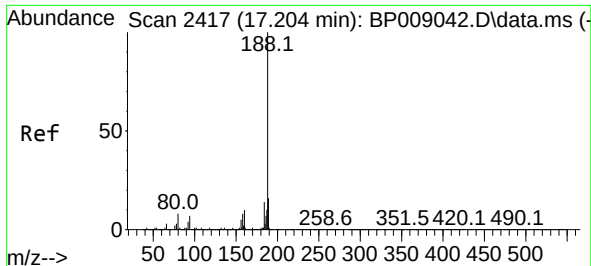
Tgt Ion:139 Resp: 2720
Ion Ratio Lower Upper
139 100
109 161.0 42.2 82.2#
65 50.2 57.3 97.3#



#58
Fluorene
Concen: 4.367 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:166 Resp: 170054
Ion Ratio Lower Upper
166 100
165 96.7 77.2 115.8
167 15.7 11.2 16.8

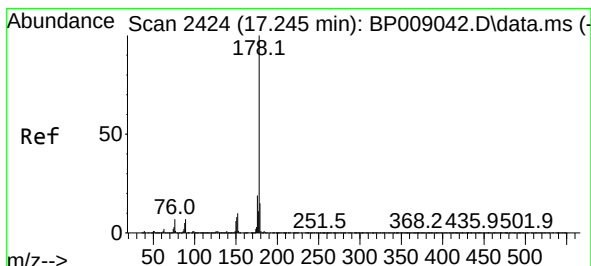
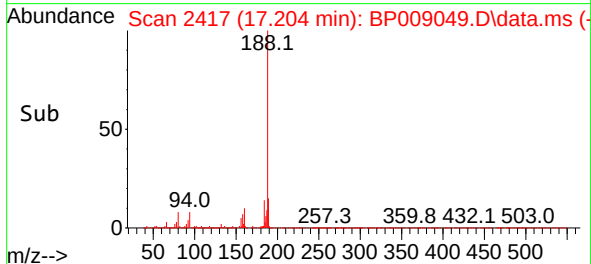
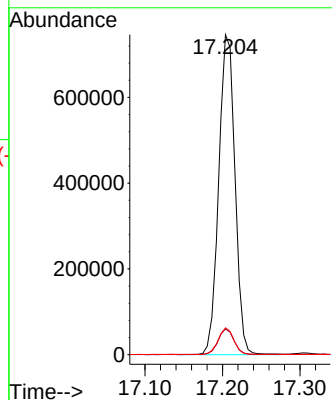
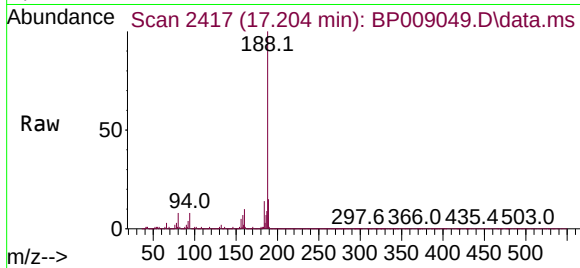




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

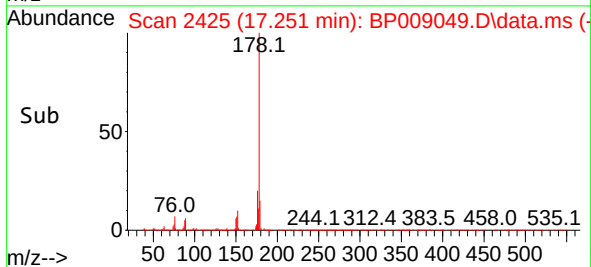
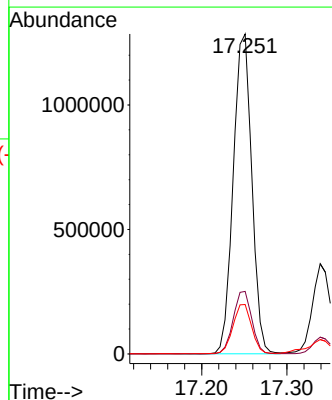
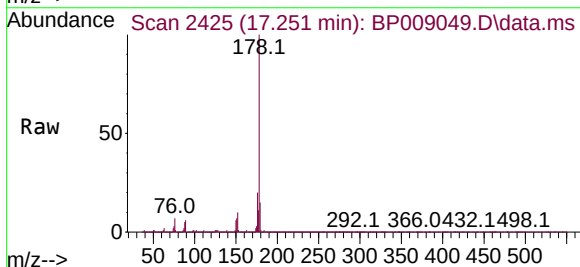
Instrument :
BNA_P
ClientSampleId :
OR-3-020222

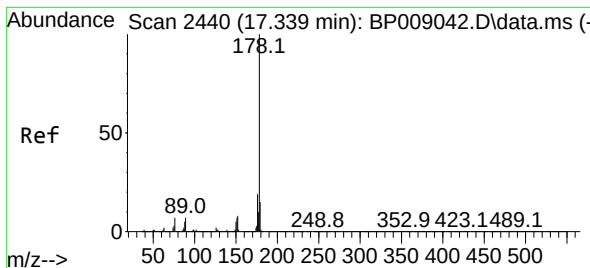
Tgt Ion:188 Resp: 1086204
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.4 7.2 10.8



#71
Phenanthrene
Concen: 32.997 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:178 Resp: 1940721
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.5 13.0 19.4





#72

Anthracene

Concen: 9.143 ng

RT: 17.339 min Scan# 2440

Delta R.T. -0.000 min

Lab File: BP009049.D

Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

OR-3-020222

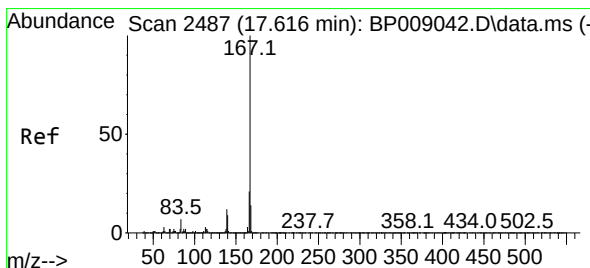
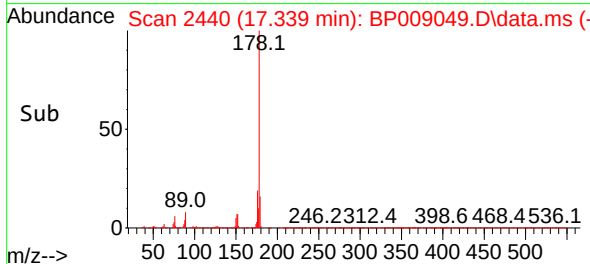
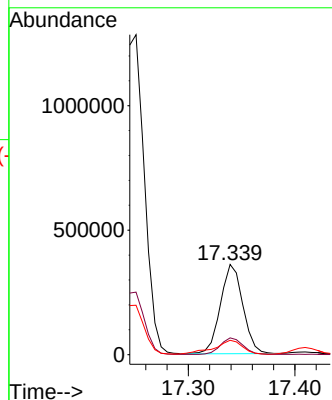
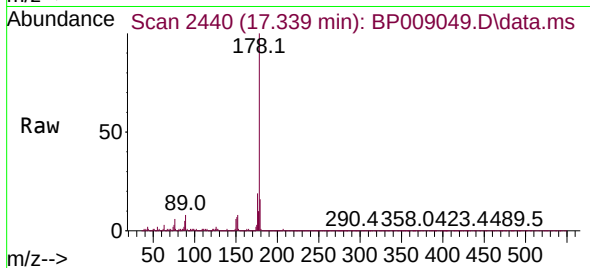
Tgt Ion:178 Resp: 526093

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 16.0 12.8 19.2



#73

Carbazole

Concen: 3.796 ng

RT: 17.616 min Scan# 2487

Delta R.T. -0.000 min

Lab File: BP009049.D

Acq: 07 Feb 2022 16:30

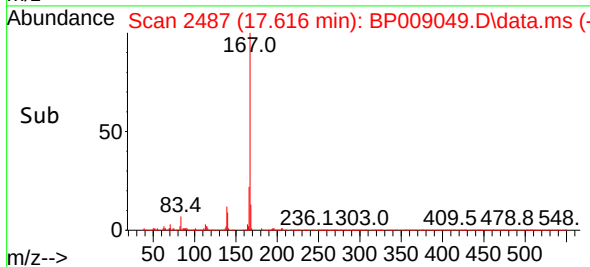
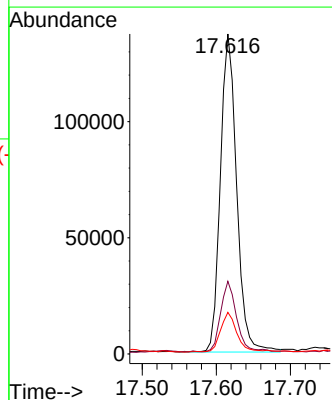
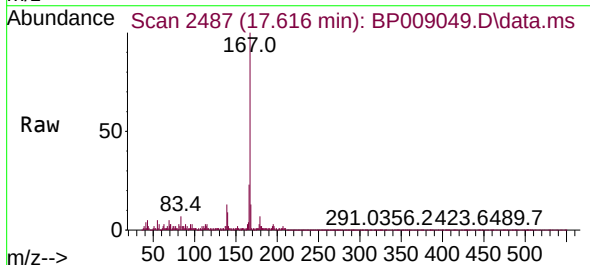
Tgt Ion:167 Resp: 209395

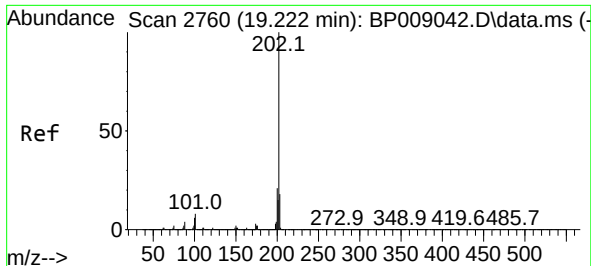
Ion Ratio Lower Upper

167 100

166 22.7 17.7 26.5

139 13.0 9.8 14.6

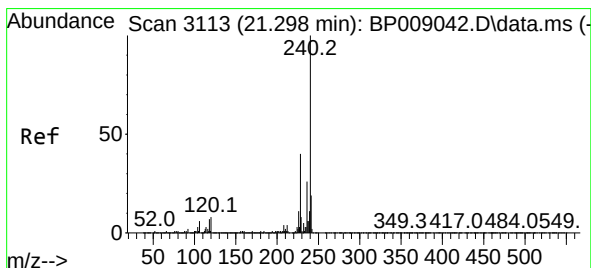
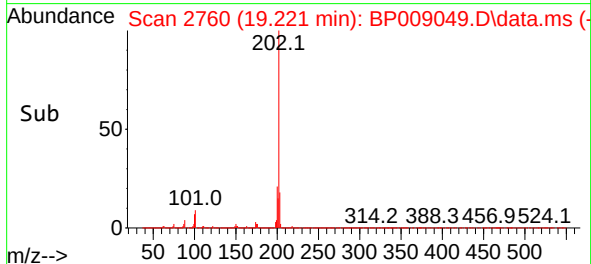
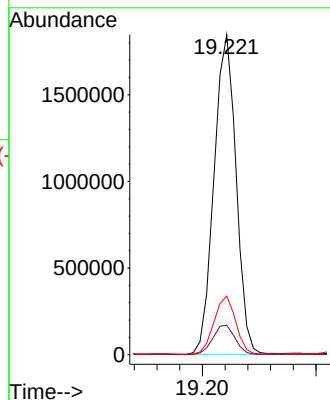
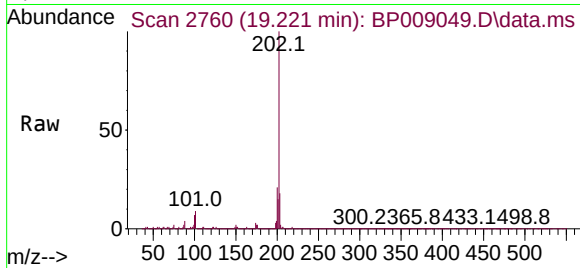




#75
Fluoranthene
Concen: 37.798 ng
RT: 19.221 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

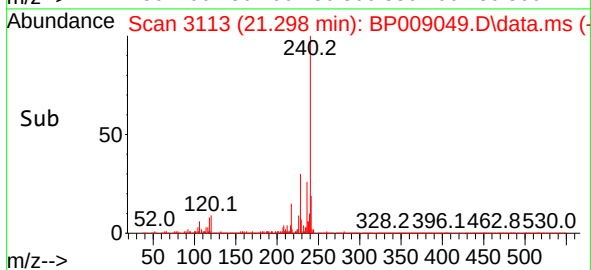
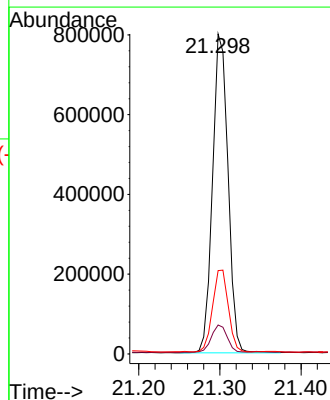
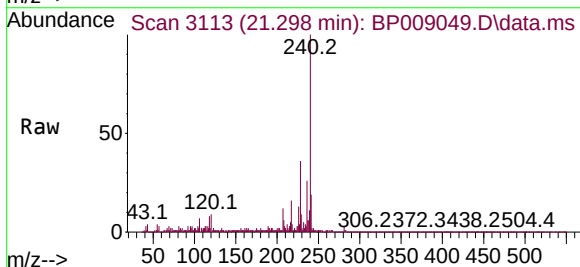
Instrument :
BNA_P
ClientSampleId :
OR-3-020222

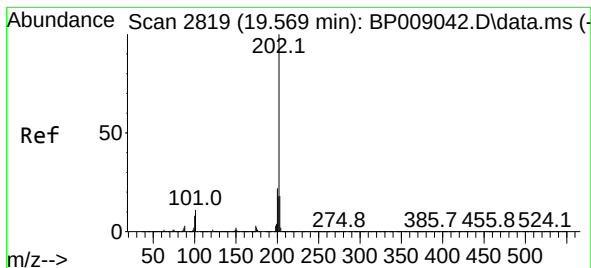
Tgt Ion:202 Resp: 2491578
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.7
203 18.3 0.0 38.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:240 Resp: 1057923
Ion Ratio Lower Upper
240 100
120 9.0 7.7 11.5
236 26.0 21.2 31.8





#78

Pyrene

Concen: 29.327 ng

RT: 19.574 min Scan# 2819

Delta R.T. 0.006 min

Lab File: BP009049.D

Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

OR-3-020222

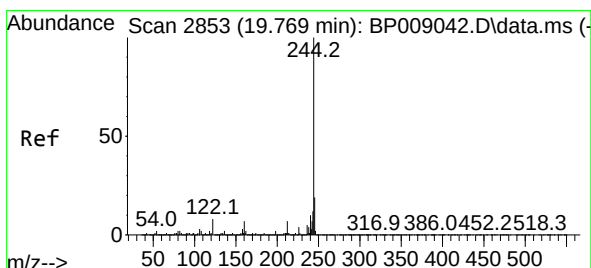
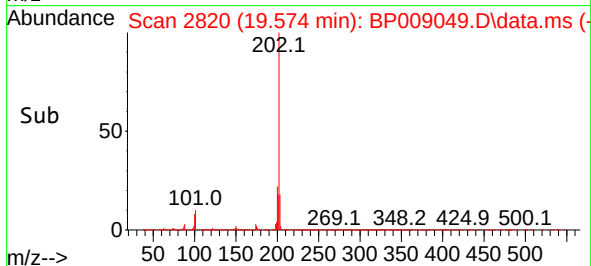
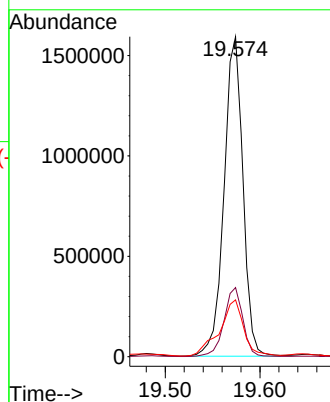
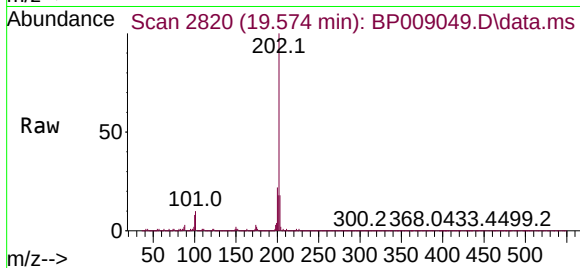
Tgt Ion:202 Resp: 2207090

Ion Ratio Lower Upper

202 100

200 21.6 18.0 27.0

203 17.8 15.0 22.6



#79

Terphenyl-d14

Concen: 49.154 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.000 min

Lab File: BP009049.D

Acq: 07 Feb 2022 16:30

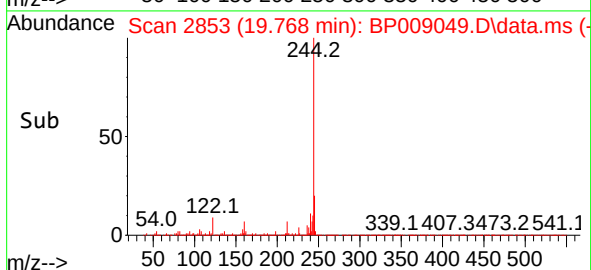
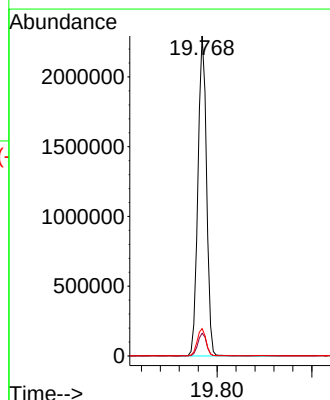
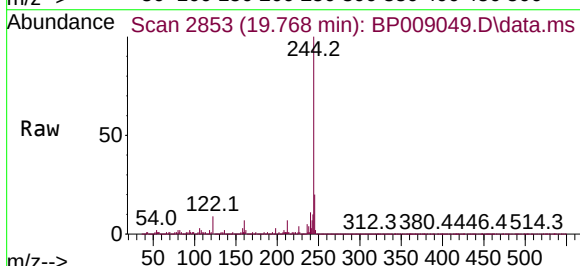
Tgt Ion:244 Resp: 2891640

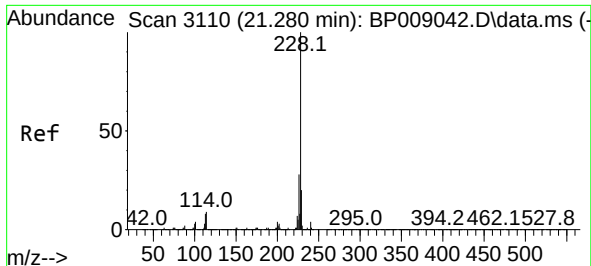
Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

122 8.6 9.2 13.8#

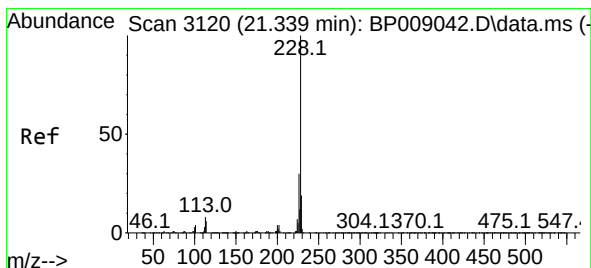
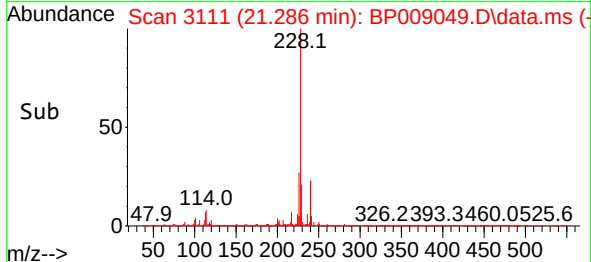
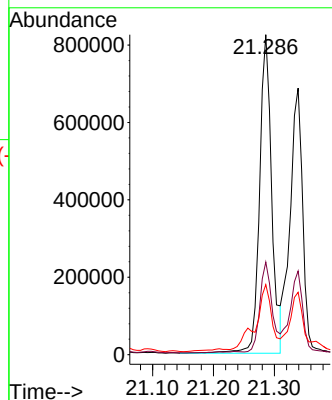
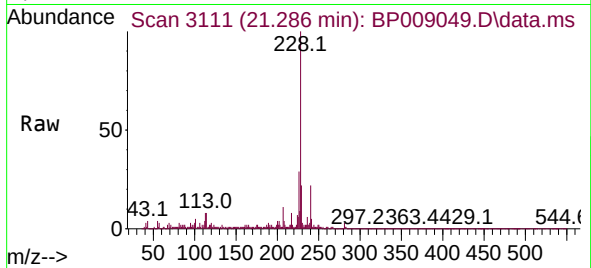




#81
Benzo(a)anthracene
Concen: 16.752 ng
RT: 21.286 min Scan# 3110
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

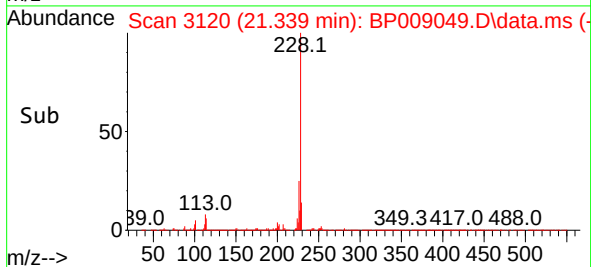
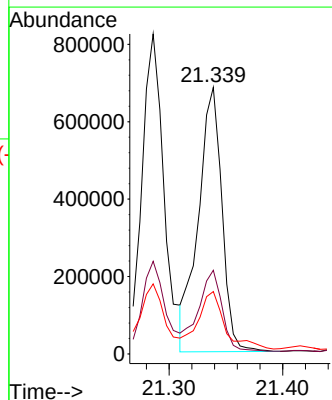
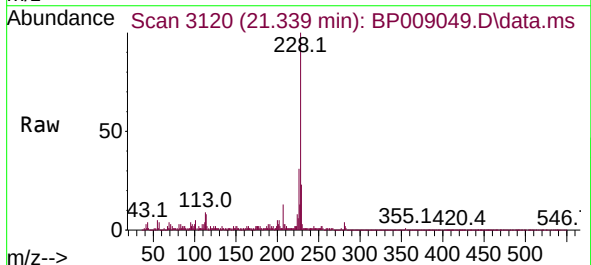
Instrument :
BNA_P
ClientSampleId :
OR-3-020222

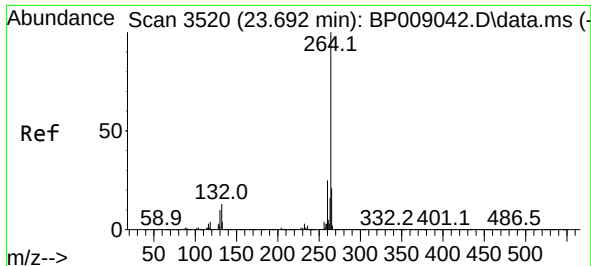
Tgt Ion:228 Resp: 1142079
Ion Ratio Lower Upper
228 100
226 28.9 23.3 34.9
229 21.9 17.0 25.6



#83
Chrysene
Concen: 15.025 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:228 Resp: 987504
Ion Ratio Lower Upper
228 100
226 31.4 26.0 39.0
229 23.4 16.9 25.3



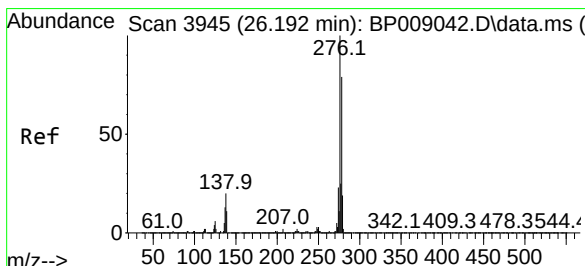
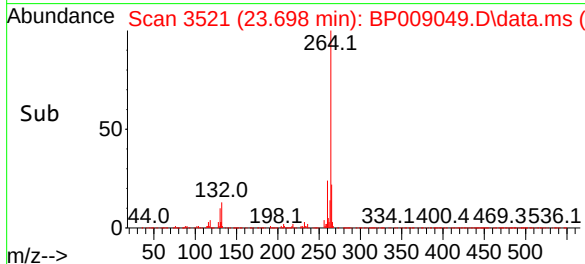
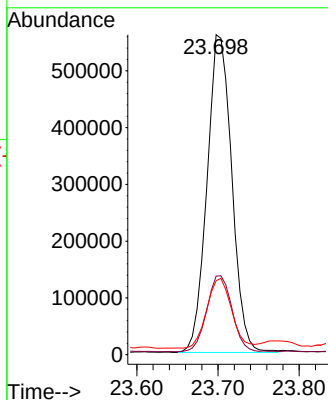
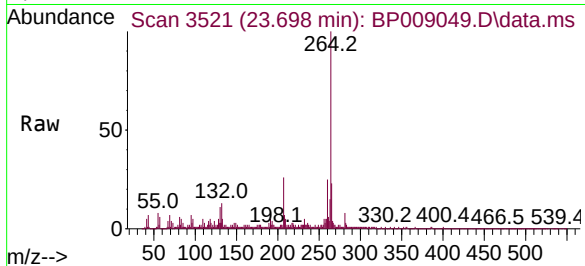


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.698 min Scan# 3520
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :
BNA_P
ClientSampleId :
OR-3-020222

Tgt Ion:264 Resp: 1189197

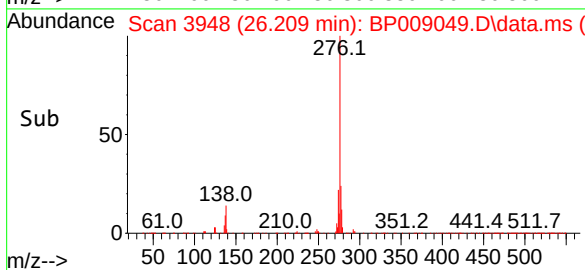
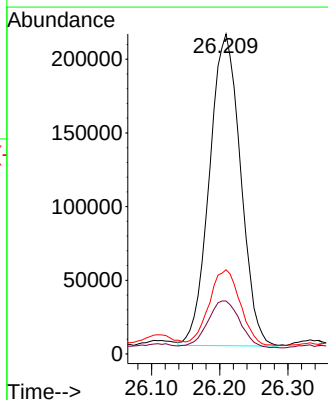
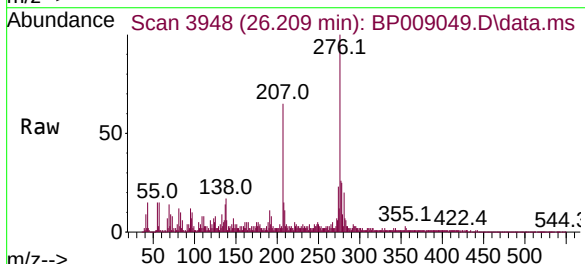
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.1	28.7
265	23.1	17.1	25.7

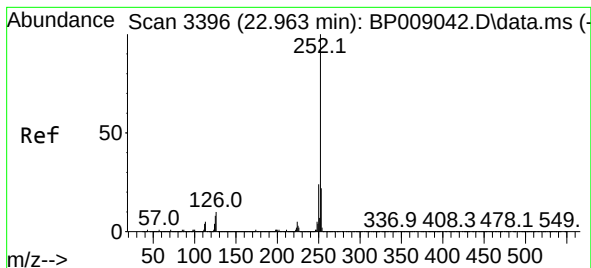


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.594 ng
RT: 26.209 min Scan# 3948
Delta R.T. 0.017 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:276 Resp: 670995

Ion	Ratio	Lower	Upper
276	100		
138	15.9	17.8	26.6
277	24.4	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 18.076 ng

RT: 22.974 min Scan# 3398

Delta R.T. 0.012 min

Lab File: BP009049.D

Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

OR-3-020222

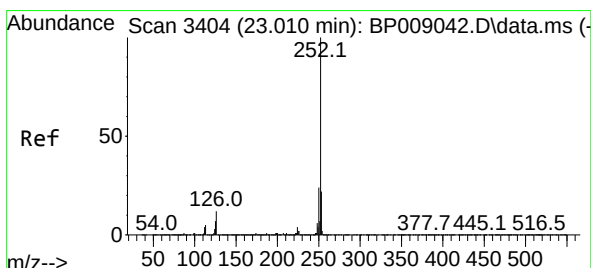
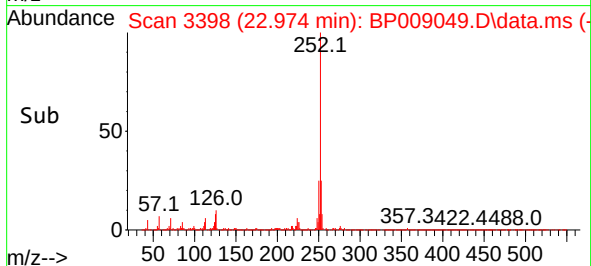
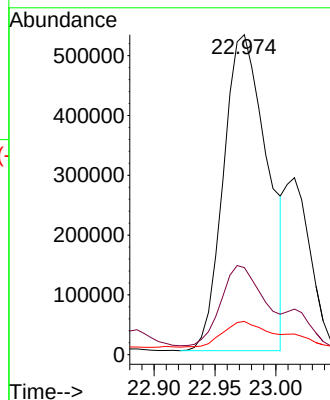
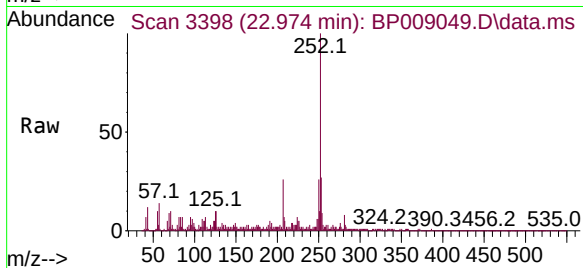
Tgt Ion:252 Resp: 1323313

Ion Ratio Lower Upper

252 100

253 27.2 18.0 27.0#

125 10.4 6.9 10.3#



#89

Benzo(k)fluoranthene

Concen: 18.118 ng

RT: 22.974 min Scan# 3398

Delta R.T. -0.036 min

Lab File: BP009049.D

Acq: 07 Feb 2022 16:30

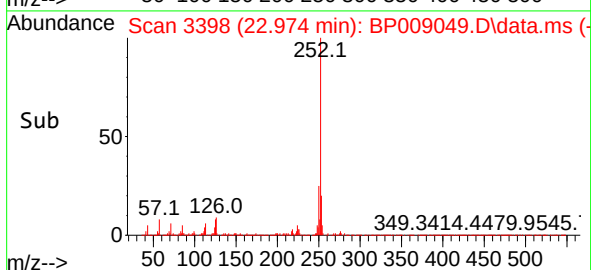
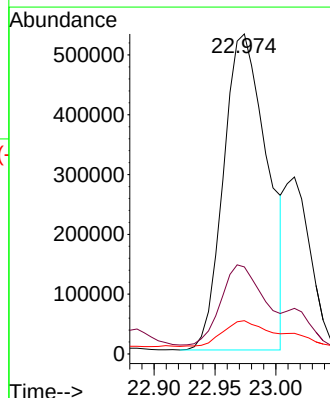
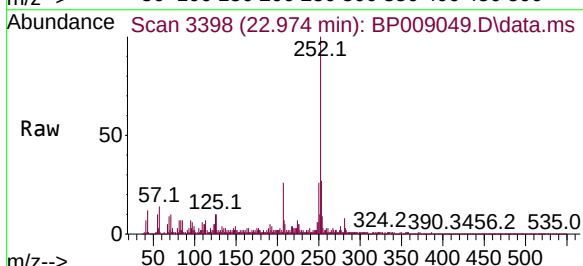
Tgt Ion:252 Resp: 1323313

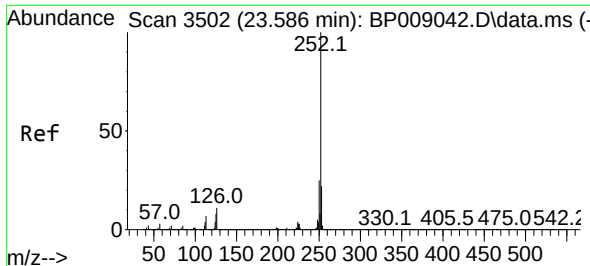
Ion Ratio Lower Upper

252 100

253 27.2 18.2 27.2

125 10.4 7.3 10.9

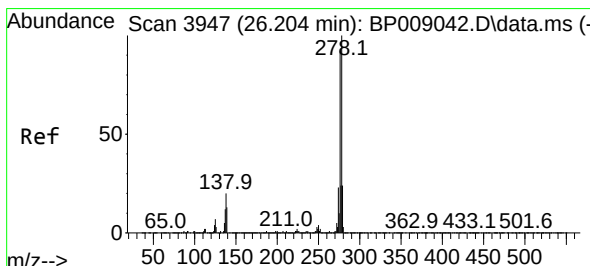
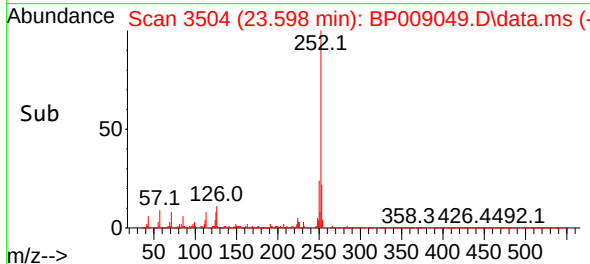
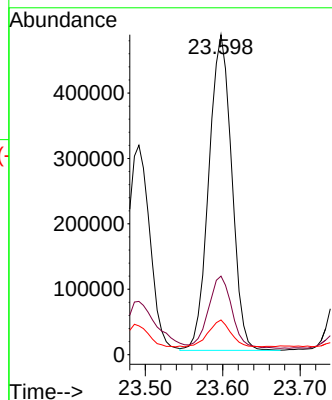
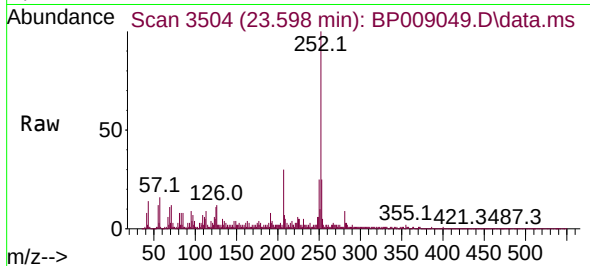




#90
Benzo(a)pyrene
Concen: 16.203 ng
RT: 23.598 min Scan# 3504
Delta R.T. 0.012 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

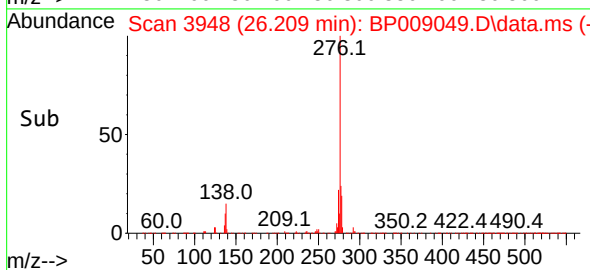
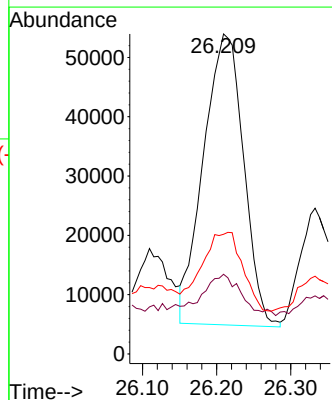
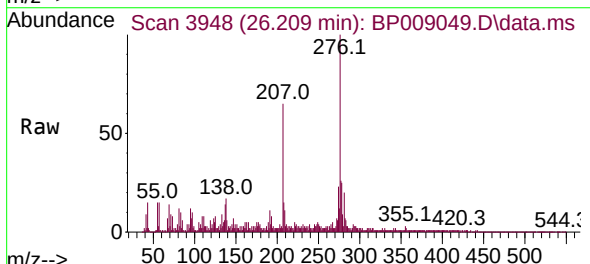
Instrument :
BNA_P
ClientSampleId :
OR-3-020222

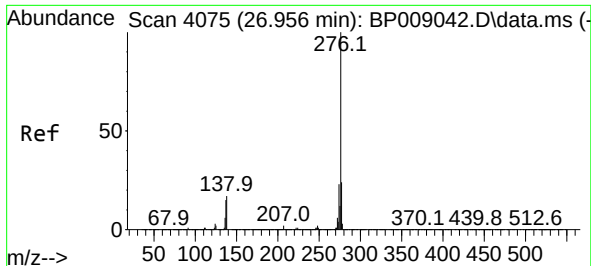
Tgt Ion:252 Resp: 988991
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 10.9 7.8 11.6



#91
Dibenzo(a,h)anthracene
Concen: 2.539 ng
RT: 26.209 min Scan# 3948
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

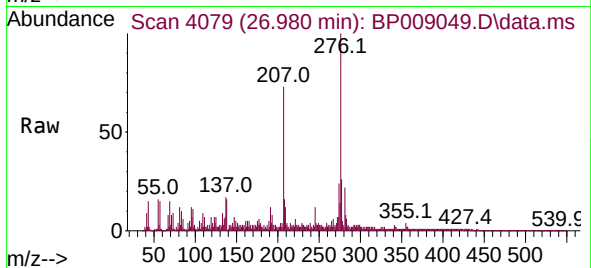
Tgt Ion:278 Resp: 184383
Ion Ratio Lower Upper
278 100
139 24.9 11.5 17.3#
279 37.4 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 9.482 ng
 RT: 26.980 min Scan# 4079
 Delta R.T. 0.023 min
 Lab File: BP009049.D
 Acq: 07 Feb 2022 16:30

Instrument :
 BNA_P
 ClientSampleId :
 OR-3-020222



Tgt Ion:276 Resp: 685527

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.2	28.8
138	15.8	15.0	22.4

