

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020922\
 Data File : BP009086.D
 Acq On : 09 Feb 2022 19:44
 Operator : CG/JU
 Sample : N1384-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 26982

Quant Time: Feb 10 01:45:43 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

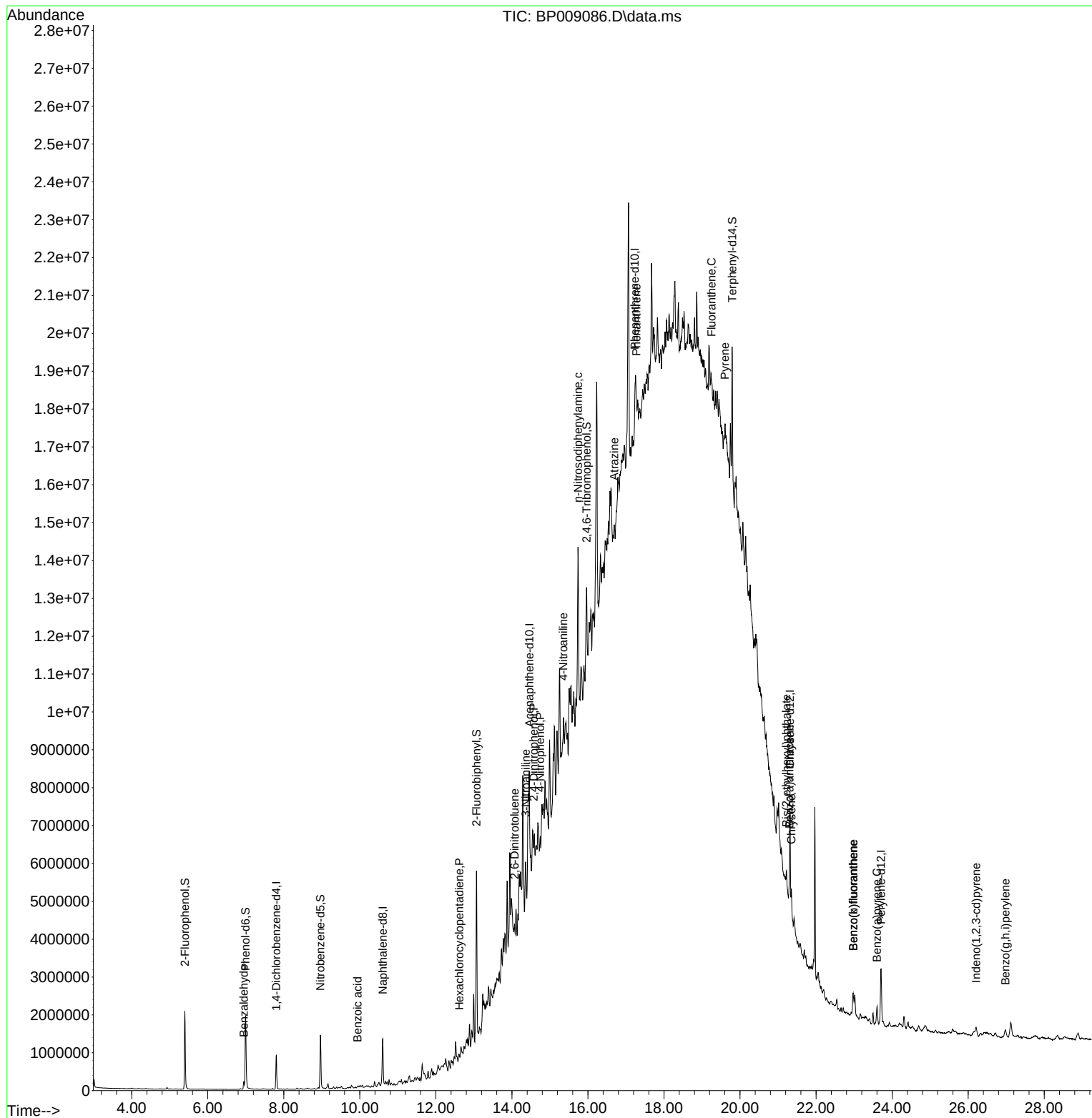
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	284244	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	1120772	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	689697	20.000	ng	0.01
64) Phenanthrene-d10	17.233	188	1048311	20.000	ng	# 0.03
76) Chrysene-d12	21.316	240	1147658	20.000	ng	0.02
86) Perylene-d12	23.710	264	1266186	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1071328	67.232	ng	0.00
7) Phenol-d6	6.993	99	1388115	66.111	ng	0.00
23) Nitrobenzene-d5	8.963	82	899216	45.246	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	815165	88.521	ng	0.02
45) 2-Fluorobiphenyl	13.069	172	2451714	49.763	ng	0.00
79) Terphenyl-d14	19.792	244	2580589	40.437	ng	0.02
Target Compounds						
9) Benzaldehyde	6.952	77	78456	7.377	ng	97
32) Benzoic acid	9.940	122	23519	4.940	ng	# 81
41) Hexachlorocyclopentadiene	12.616	237	27	8.659	ng	83
51) 2,6-Dinitrotoluene	14.069	165	47456	4.628	ng	# 42
53) 3-Nitroaniline	14.363	138	47533	4.532	ng	# 30
54) 2,4-Dinitrophenol	14.575	184	4048	3.101	ng	# 1
56) 4-Nitrophenol	14.745	139	11869	3.355	ng	# 1
62) 4-Nitroaniline	15.351	138	91810	8.707	ng	98
66) n-Nitrosodiphenylamine	15.739	169	268443	8.444	ng	# 52
69) Atrazine	16.692	200	26475	2.511	ng	# 1
71) Phenanthrene	17.275	178	337034	5.938	ng	# 35
75) Fluoranthene	19.251	202	540503	8.496	ng	80
78) Pyrene	19.604	202	535197	6.556	ng	# 87
81) Benzo(a)anthracene	21.298	228	312522	4.226	ng	95
83) Chrysene	21.351	228	367185	5.150	ng	96
84) Bis(2-ethylhexyl)phtha...	21.216	149	86754	2.336	ng	# 84
87) Indeno(1,2,3-cd)pyrene	26.209	276	270013	2.870	ng	# 92
88) Benzo(b)fluoranthene	22.980	252	671117	8.610	ng	# 96
89) Benzo(k)fluoranthene	22.980	252	671117	8.630	ng	# 97
90) Benzo(a)pyrene	23.604	252	330949	5.093	ng	# 97
92) Benzo(g,h,i)perylene	26.980	276	289932	3.766	ng	96

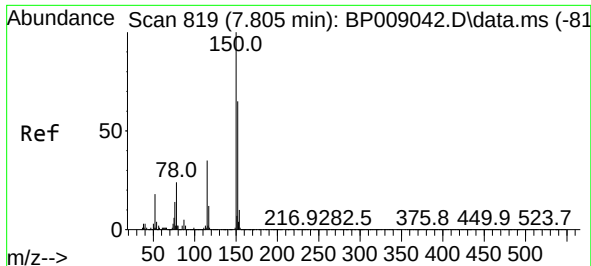
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020922\
Data File : BP009086.D
Acq On : 09 Feb 2022 19:44
Operator : CG/JU
Sample : N1384-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
26982

Quant Time: Feb 10 01:45:43 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

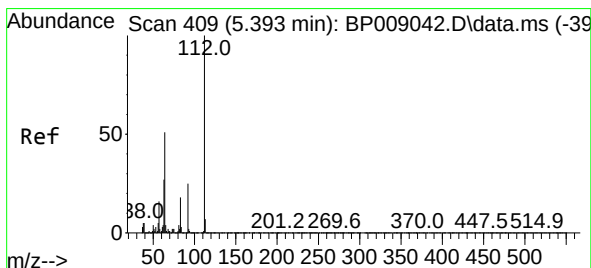
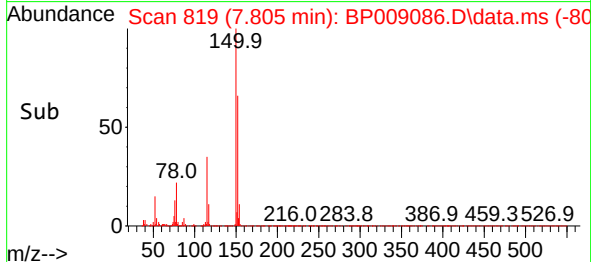
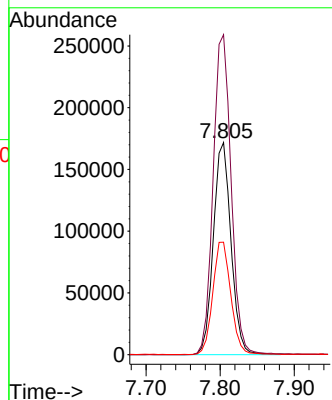
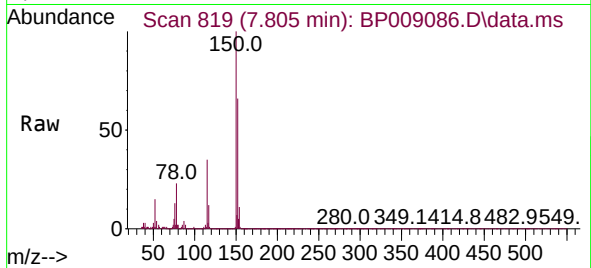




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

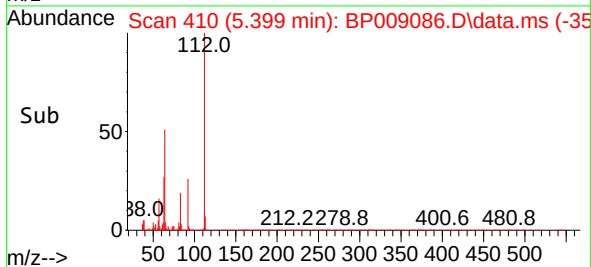
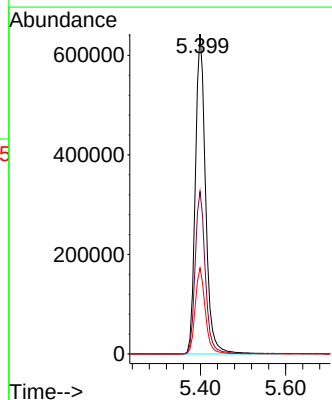
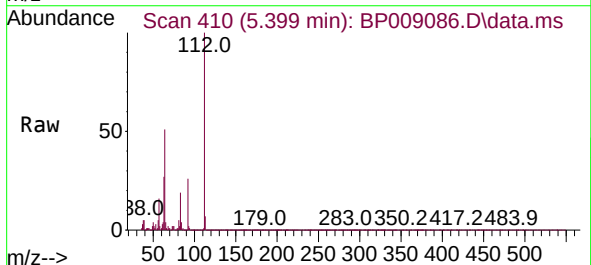
Instrument :
BNA_P
ClientSampleId :
26982

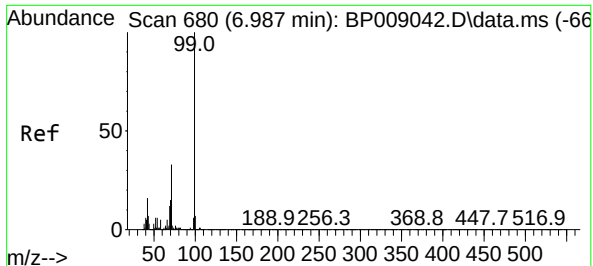
Tgt Ion:152 Resp: 284244
Ion Ratio Lower Upper
152 100
150 150.8 127.0 190.6
115 53.0 43.7 65.5



#5
2-Fluorophenol
Concen: 67.232 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Tgt Ion:112 Resp: 1071328
Ion Ratio Lower Upper
112 100
64 50.8 39.7 59.5
63 26.8 20.0 30.0

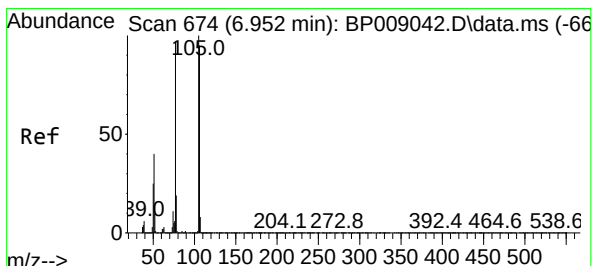
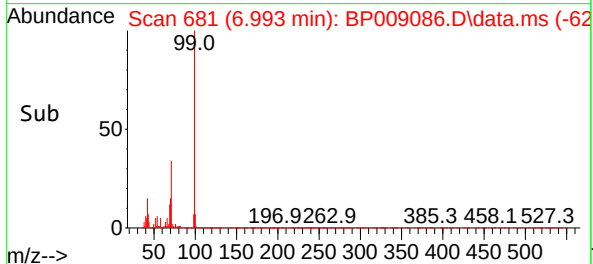
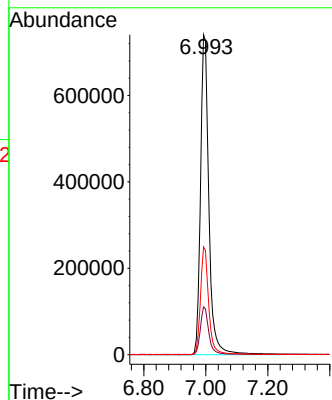
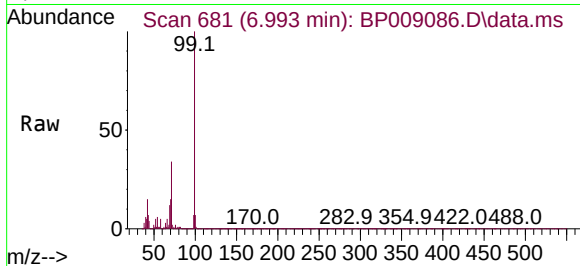




#7
Phenol-d6
Concen: 66.111 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

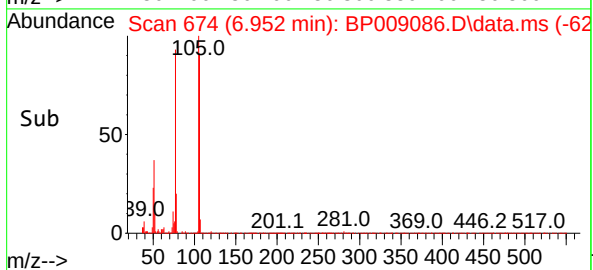
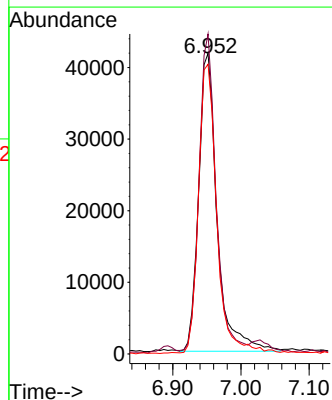
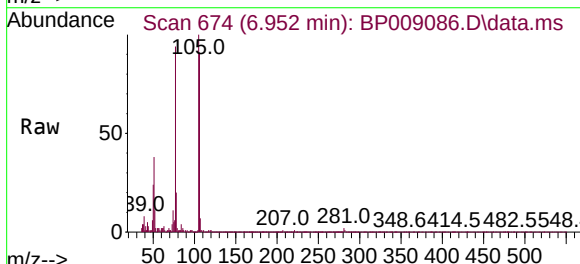
Instrument :
BNA_P
ClientSampleId :
26982

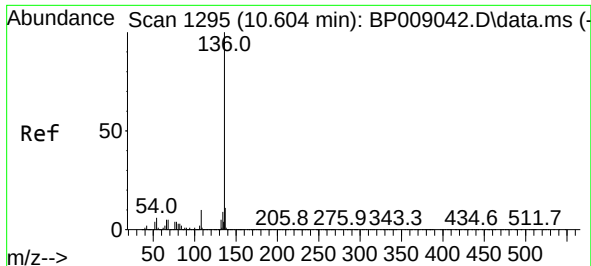
Tgt Ion: 99 Resp: 1388115
Ion Ratio Lower Upper
99 100
42 15.0 10.8 16.2
71 33.7 23.8 35.6



#9
Benzaldehyde
Concen: 7.377 ng
RT: 6.952 min Scan# 674
Delta R.T. 0.000 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Tgt Ion: 77 Resp: 78456
Ion Ratio Lower Upper
77 100
105 106.4 84.2 124.2
106 96.4 80.6 120.6



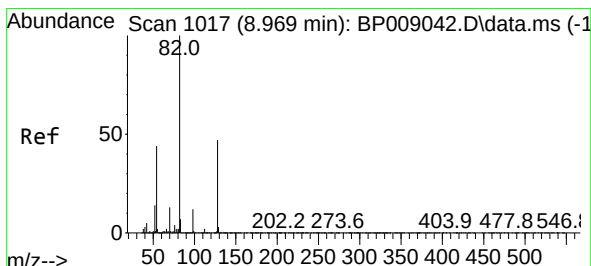
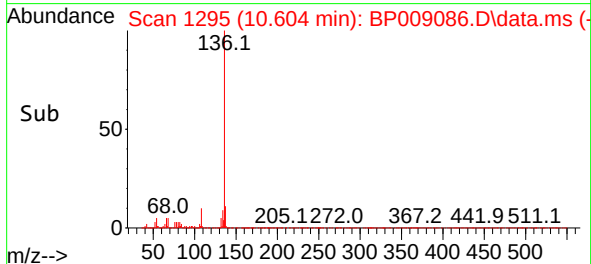
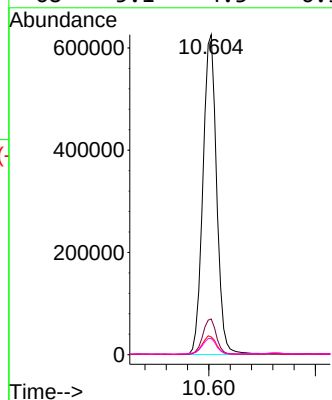
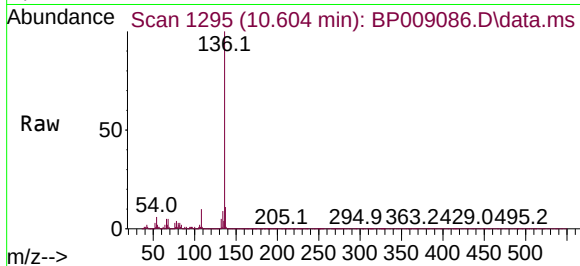


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Instrument :
BNA_P
ClientSampleId :
26982

Tgt Ion:136 Resp: 1120772

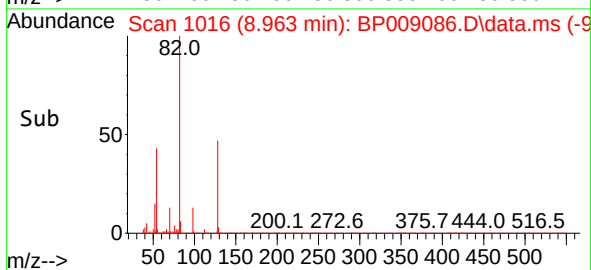
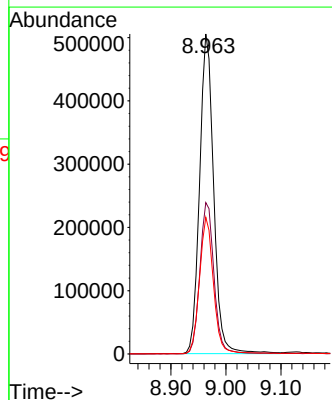
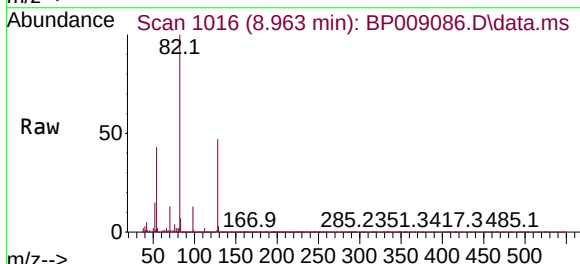
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	5.5	4.9	7.3
68	5.1	4.3	6.5

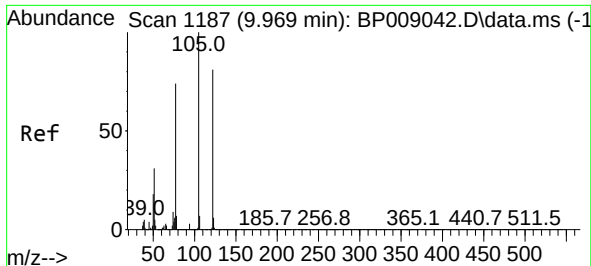


#23
Nitrobenzene-d5
Concen: 45.246 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Tgt Ion: 82 Resp: 899216

Ion	Ratio	Lower	Upper
82	100		
128	47.3	39.4	59.2
54	42.7	32.6	48.8

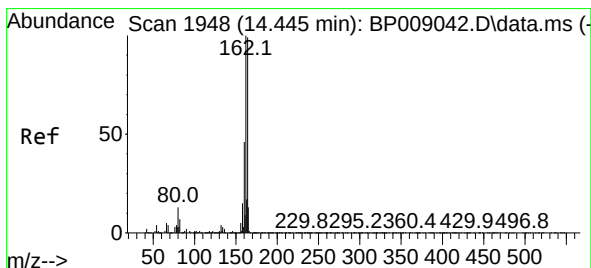
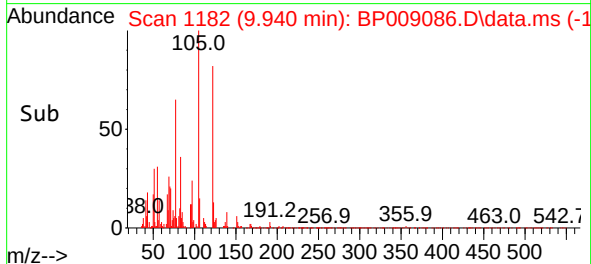
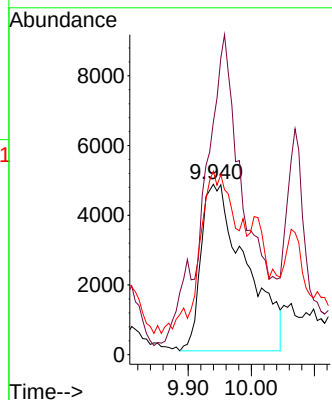
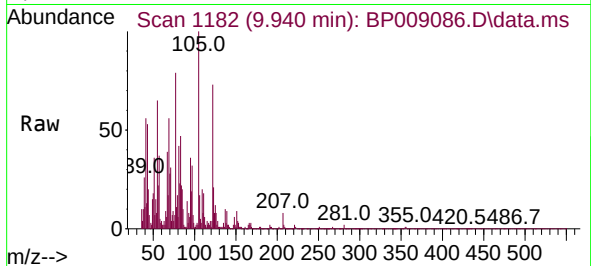




#32
Benzoic acid
Concen: 4.940 ng
RT: 9.940 min Scan# 1187
Delta R.T. -0.029 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

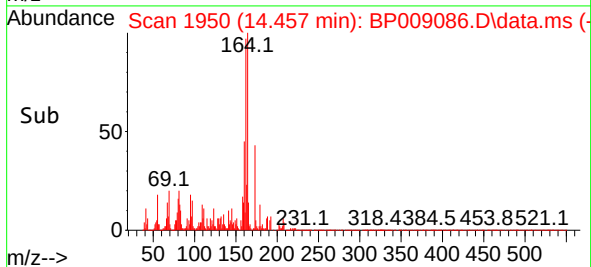
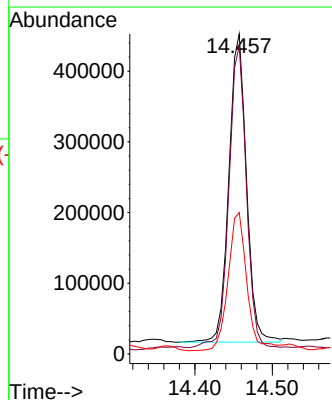
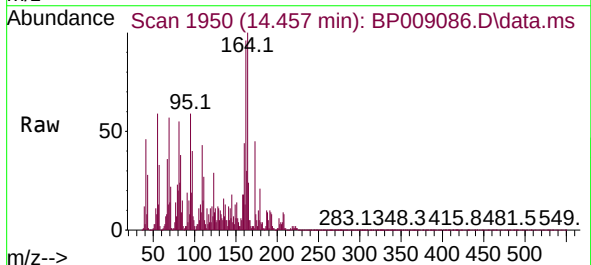
Instrument :
BNA_P
ClientSampleId :
26982

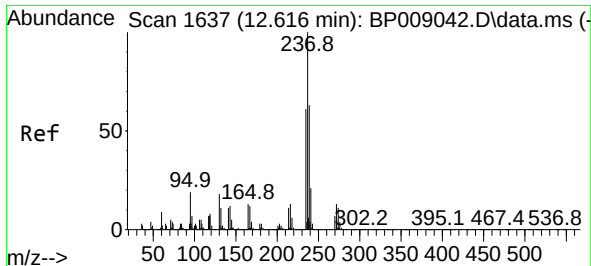
Tgt Ion:122 Resp: 23519
Ion Ratio Lower Upper
122 100
105 136.4 100.1 140.1
77 107.8 65.5 105.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. 0.012 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Tgt Ion:164 Resp: 689697
Ion Ratio Lower Upper
164 100
162 96.3 79.9 119.9
160 44.2 35.5 53.3

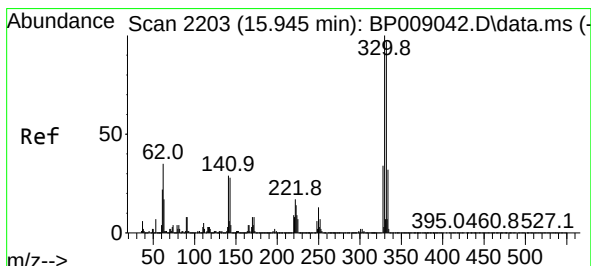
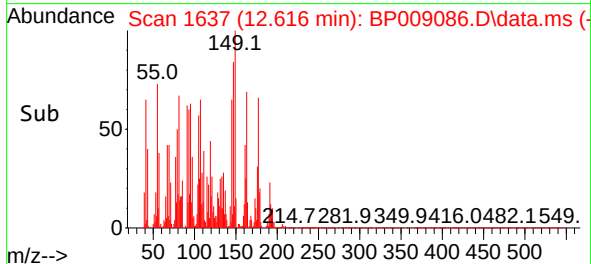
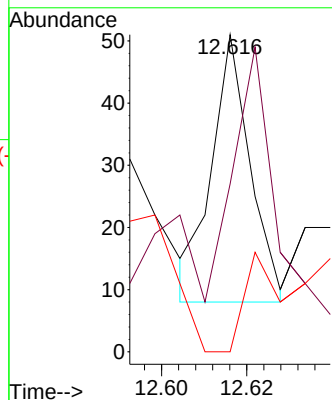
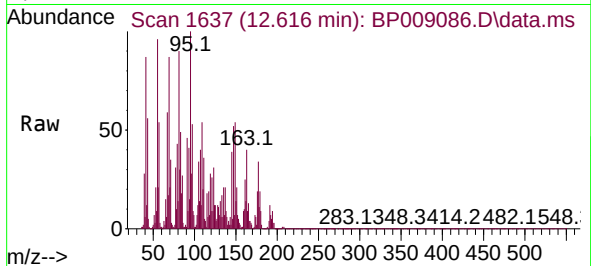




#41
Hexachlorocyclopentadiene
Concen: 8.659 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

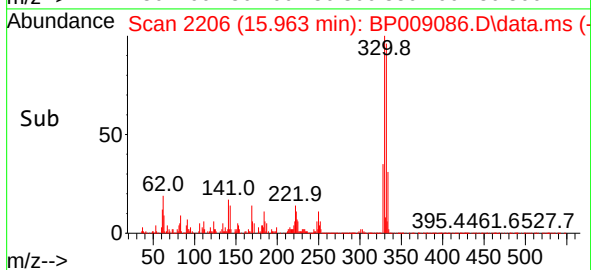
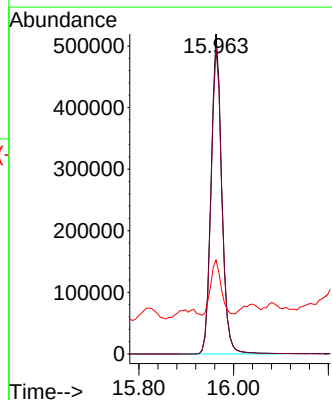
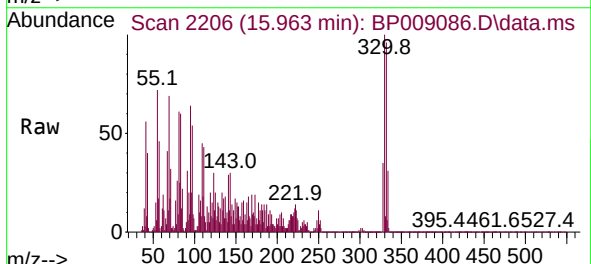
Instrument :
BNA_P
ClientSampleId :
26982

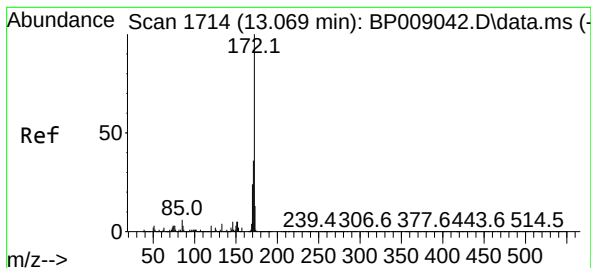
Tgt Ion:237	Resp:	27	
Ion	Ratio	Lower	Upper
237	100		
235	52.9	42.9	82.9
272	0.0	0.0	33.8



#42
2,4,6-Tribromophenol
Concen: 88.521 ng
RT: 15.963 min Scan# 2206
Delta R.T. 0.018 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Tgt Ion:330	Resp:	815165	
Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.4
141	16.7	21.3	31.9#





#45

2-Fluorobiphenyl

Concen: 49.763 ng

RT: 13.069 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP009086.D

Acq: 09 Feb 2022 19:44

Instrument :

BNA_P

ClientSampleId :

26982

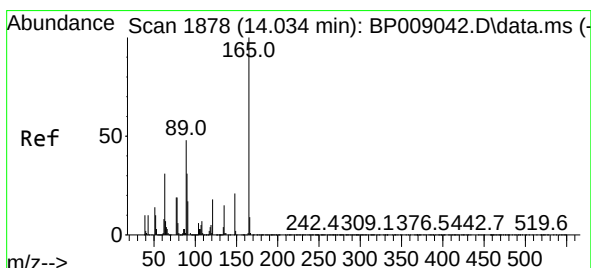
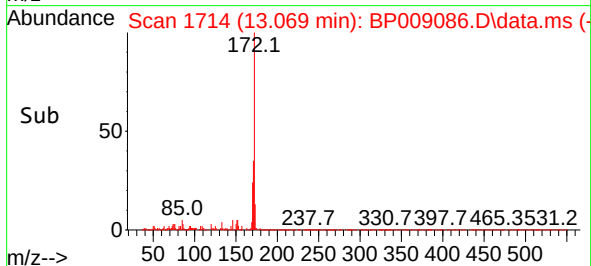
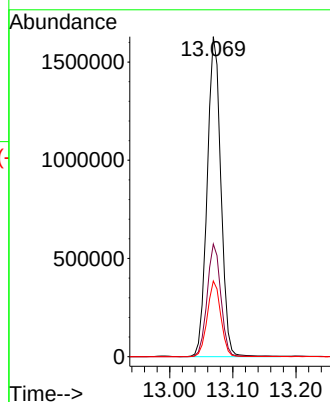
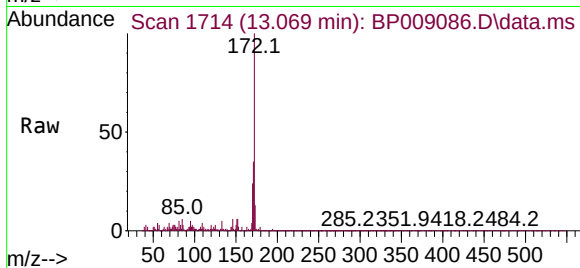
Tgt Ion:172 Resp: 2451714

Ion Ratio Lower Upper

172 100

171 35.2 29.3 43.9

170 23.6 19.5 29.3



#51

2,6-Dinitrotoluene

Concen: 4.628 ng

RT: 14.069 min Scan# 1884

Delta R.T. 0.035 min

Lab File: BP009086.D

Acq: 09 Feb 2022 19:44

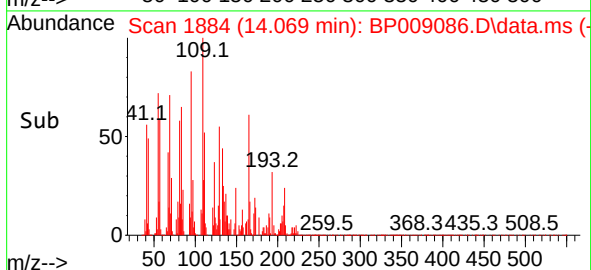
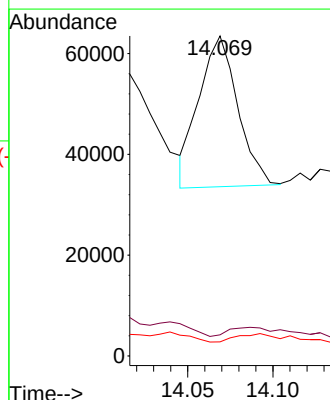
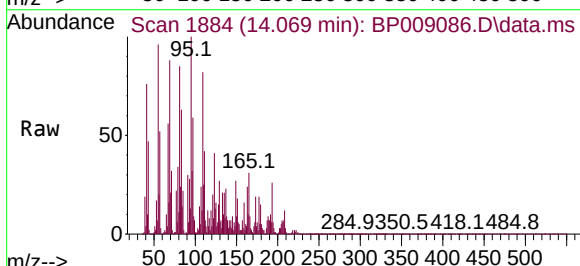
Tgt Ion:165 Resp: 47456

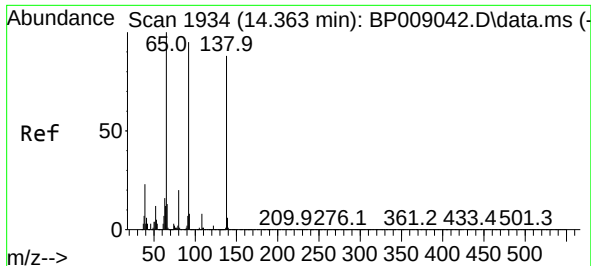
Ion Ratio Lower Upper

165 100

63 6.6 31.8 47.8#

89 4.4 36.1 54.1#

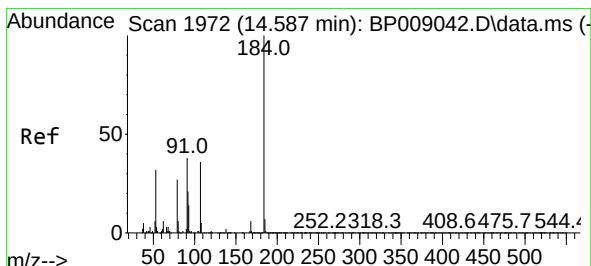
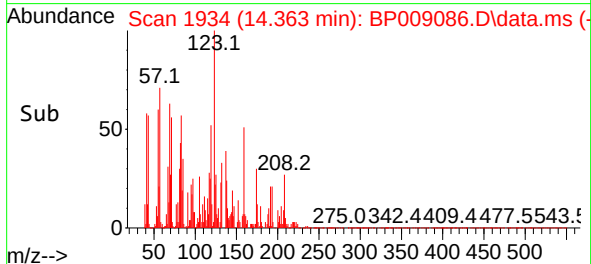
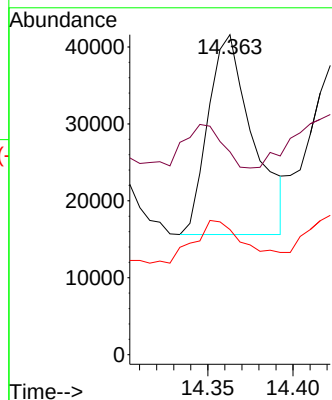
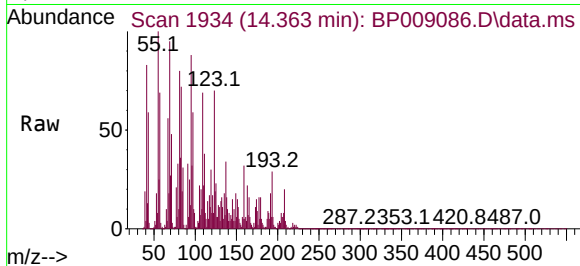




#53
3-Nitroaniline
Concen: 4.532 ng
RT: 14.363 min Scan# 1934
Delta R.T. 0.000 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

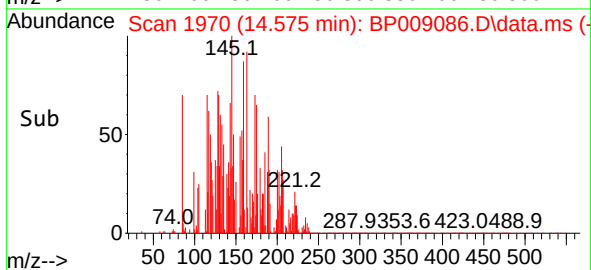
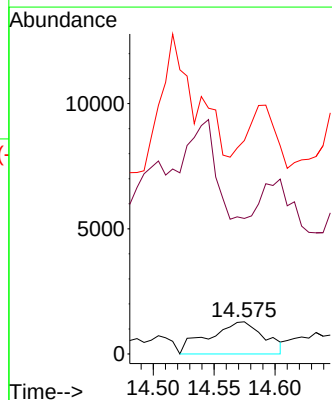
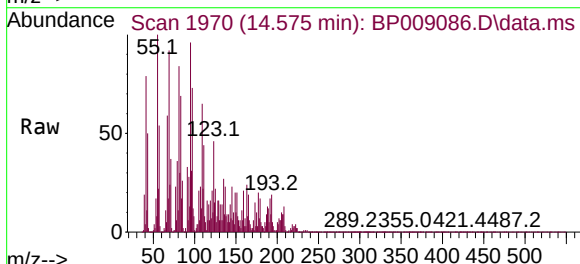
Instrument :
BNA_P
ClientSampleId :
26982

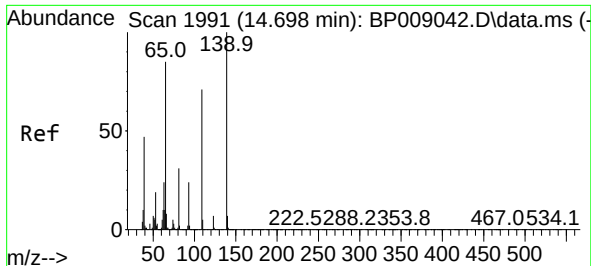
Tgt Ion:138 Resp: 47533
Ion Ratio Lower Upper
138 100
108 63.4 8.0 12.0#
92 39.1 81.7 122.5#



#54
2,4-Dinitrophenol
Concen: 3.101 ng
RT: 14.575 min Scan# 1970
Delta R.T. -0.012 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Tgt Ion:184 Resp: 4048
Ion Ratio Lower Upper
184 100
63 421.4 35.6 53.4#
154 664.2 43.4 65.0#

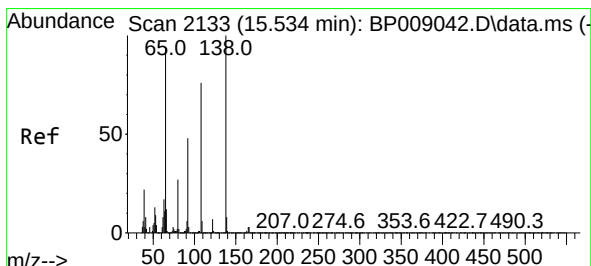
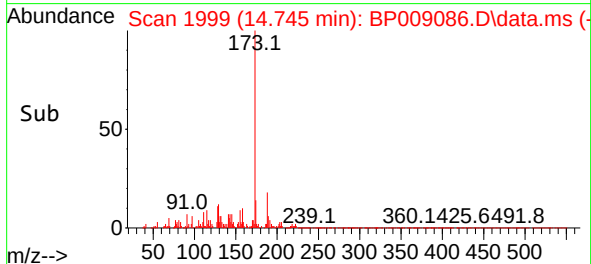
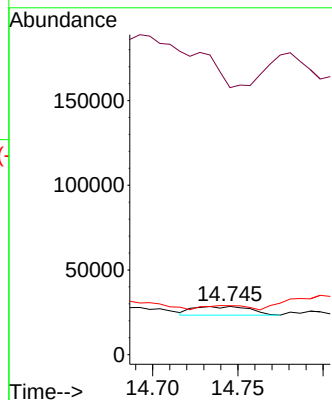
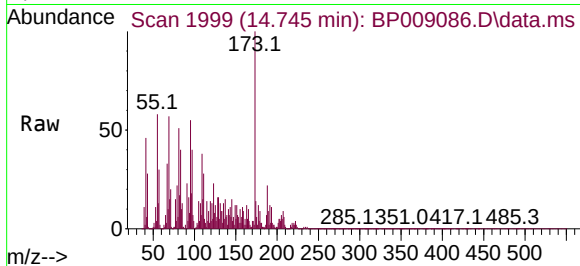




#56
4-Nitrophenol
Concen: 3.355 ng
RT: 14.745 min Scan# 1999
Delta R.T. 0.047 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

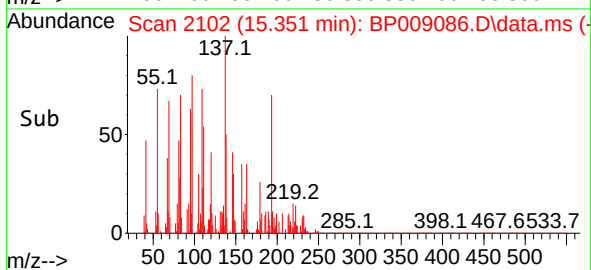
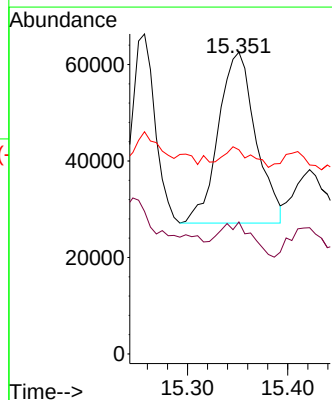
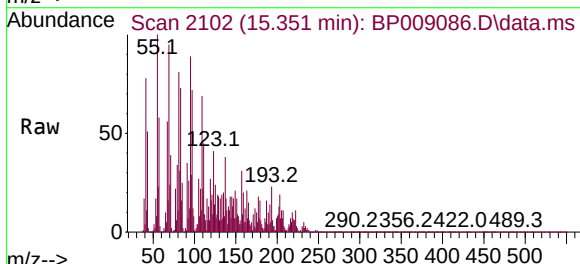
Instrument :
BNA_P
ClientSampleId :
26982

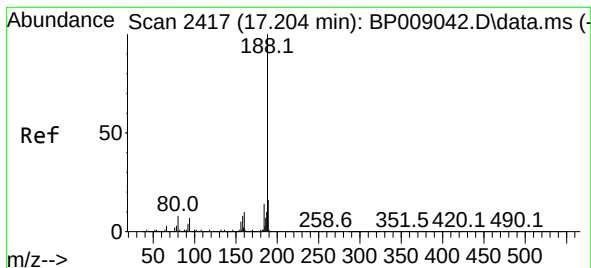
Tgt Ion:139 Resp: 11869
Ion Ratio Lower Upper
139 100
109 552.6 42.2 82.2#
65 101.1 57.3 97.3#



#62
4-Nitroaniline
Concen: 8.707 ng
RT: 15.351 min Scan# 2102
Delta R.T. -0.182 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Tgt Ion:138 Resp: 91810
Ion Ratio Lower Upper
138 100
92 43.7 24.3 64.3
108 67.6 44.8 84.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.233 min Scan# 2417

Delta R.T. 0.029 min

Lab File: BP009086.D

Acq: 09 Feb 2022 19:44

Instrument :

BNA_P

ClientSampleId :

26982

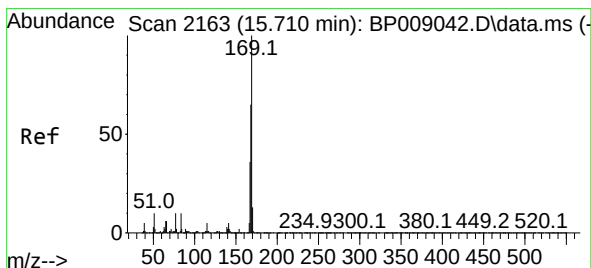
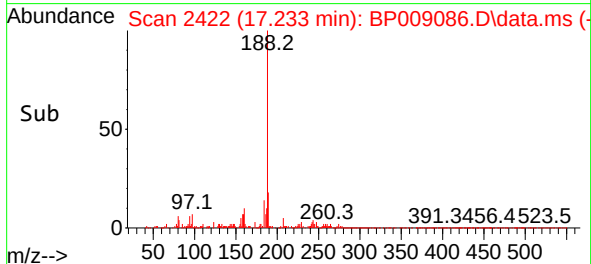
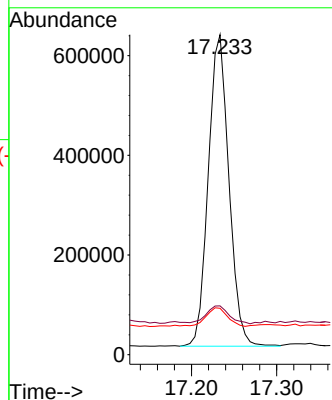
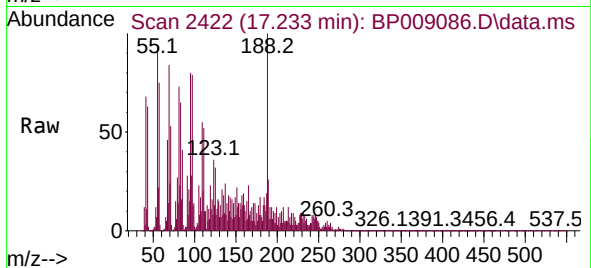
Tgt Ion:188 Resp: 1048311

Ion Ratio Lower Upper

188 100

94 15.2 6.8 10.2#

80 14.5 7.2 10.8#



#66

n-Nitrosodiphenylamine

Concen: 8.444 ng

RT: 15.739 min Scan# 2168

Delta R.T. 0.029 min

Lab File: BP009086.D

Acq: 09 Feb 2022 19:44

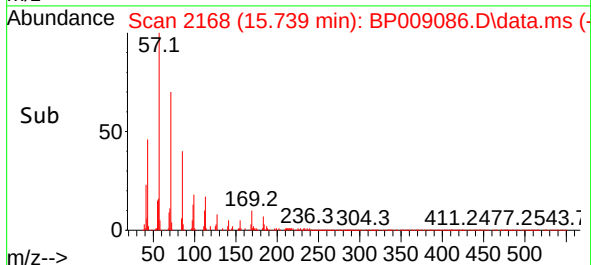
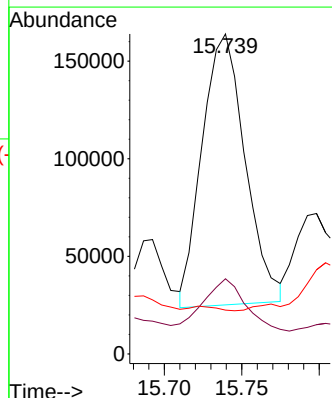
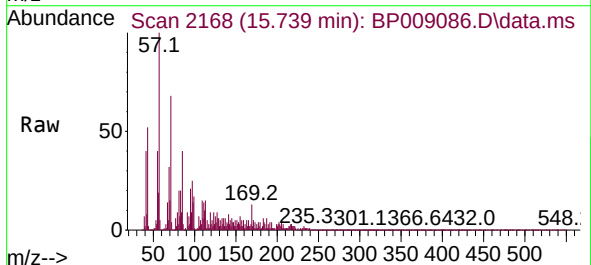
Tgt Ion:169 Resp: 268443

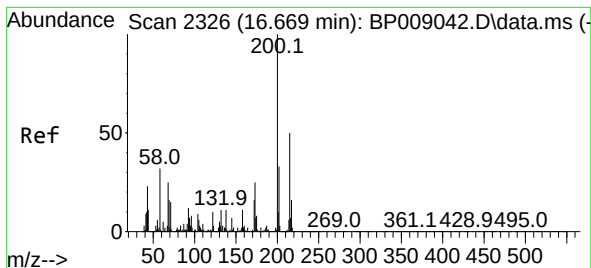
Ion Ratio Lower Upper

169 100

168 23.5 53.3 79.9#

167 13.7 29.0 43.6#





#69

Atrazine

Concen: 2.511 ng

RT: 16.692 min Scan# 21

Delta R.T. 0.024 min

Lab File: BP009086.D

Acq: 09 Feb 2022 19:44

Instrument :

BNA_P

ClientSampleId :

26982

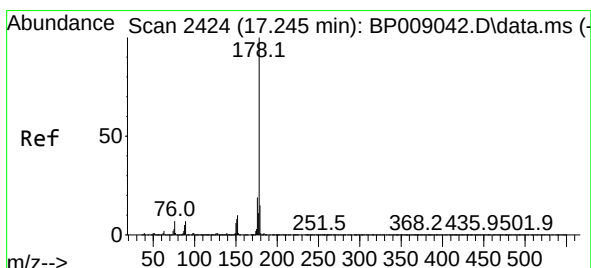
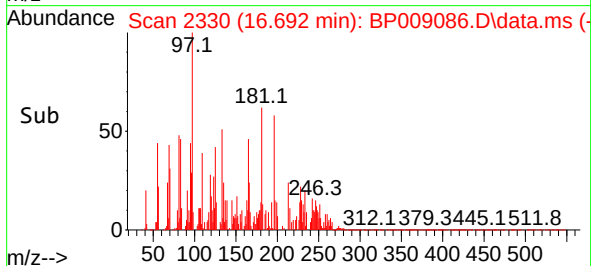
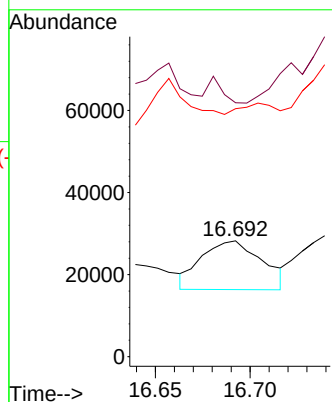
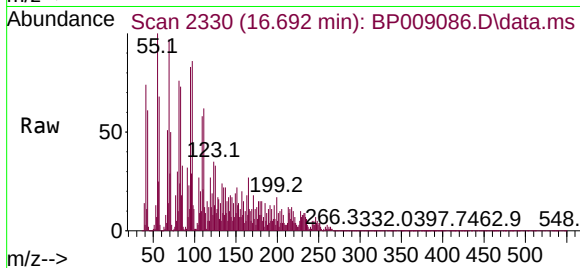
Tgt Ion:200 Resp: 26475

Ion Ratio Lower Upper

200 100

173 219.2 6.5 46.5#

215 214.1 29.6 69.6#



#71

Phenanthrene

Concen: 5.938 ng

RT: 17.275 min Scan# 2429

Delta R.T. 0.029 min

Lab File: BP009086.D

Acq: 09 Feb 2022 19:44

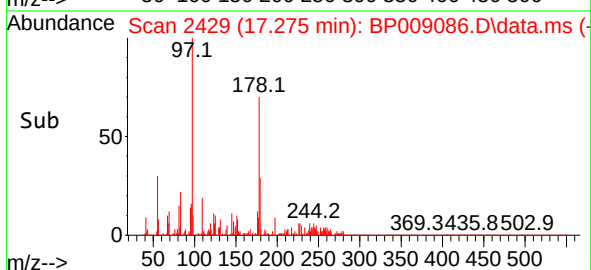
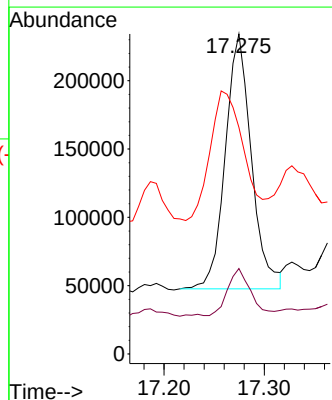
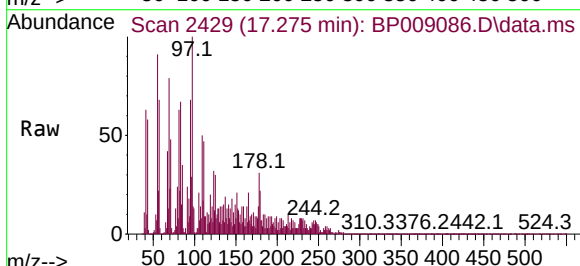
Tgt Ion:178 Resp: 337034

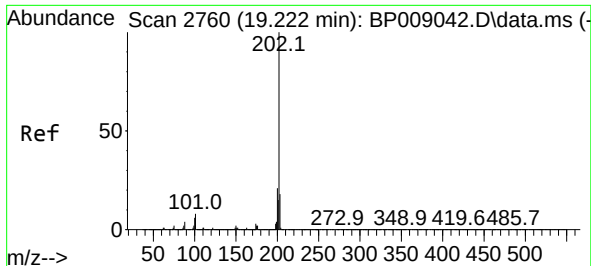
Ion Ratio Lower Upper

178 100

176 26.7 16.0 24.0#

179 70.8 13.0 19.4#

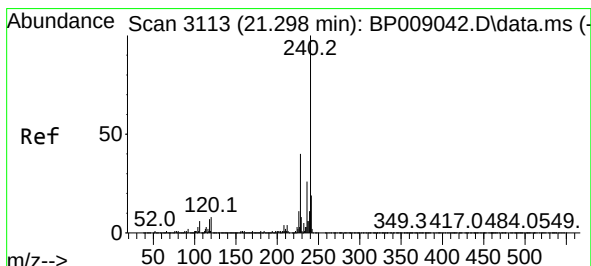
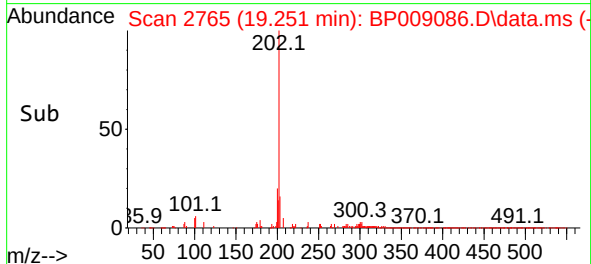
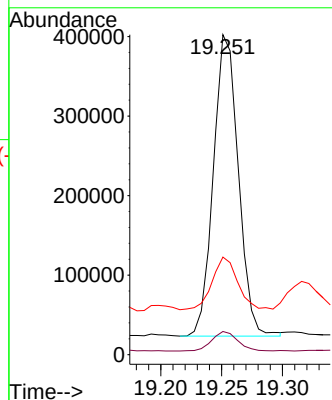
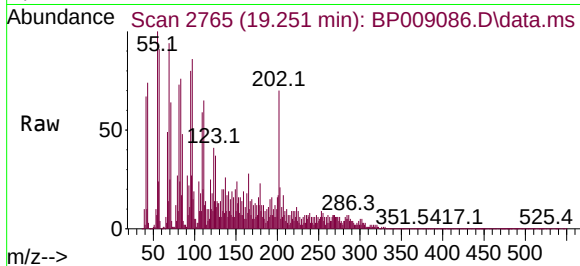




#75
Fluoranthene
Concen: 8.496 ng
RT: 19.251 min Scan# 21
Delta R.T. 0.029 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

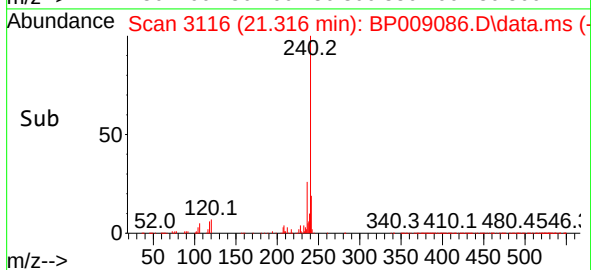
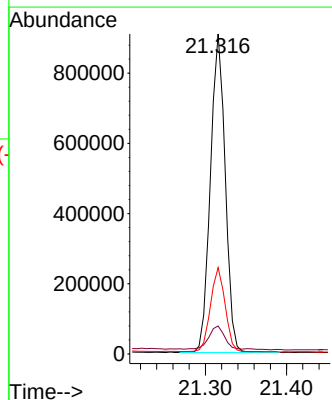
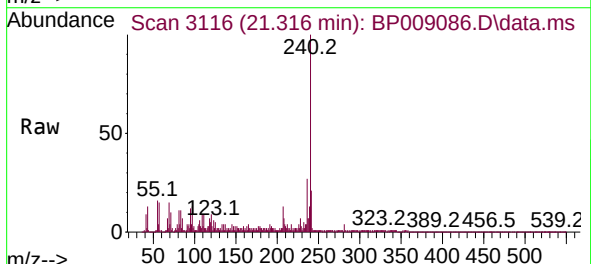
Instrument :
BNA_P
ClientSampleId :
26982

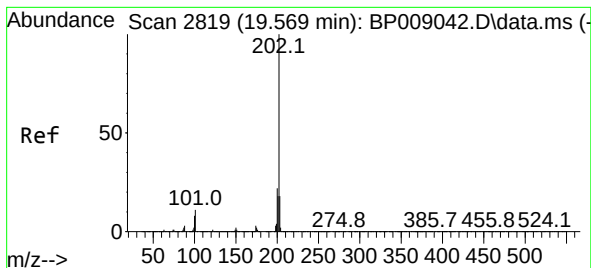
Tgt Ion:202 Resp: 540503
Ion Ratio Lower Upper
202 100
101 7.2 0.0 30.7
203 30.5 0.0 38.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3116
Delta R.T. 0.018 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Tgt Ion:240 Resp: 1147658
Ion Ratio Lower Upper
240 100
120 8.7 7.7 11.5
236 27.0 21.2 31.8





#78

Pyrene

Concen: 6.556 ng

RT: 19.604 min Scan# 2825

Delta R.T. 0.035 min

Lab File: BP009086.D

Acq: 09 Feb 2022 19:44

Instrument :

BNA_P

ClientSampleId :

26982

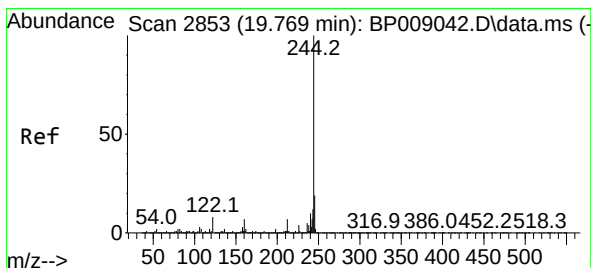
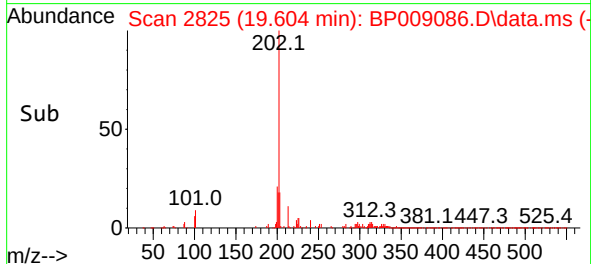
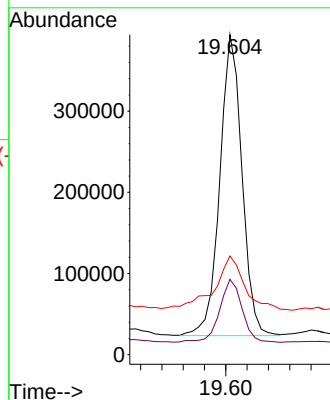
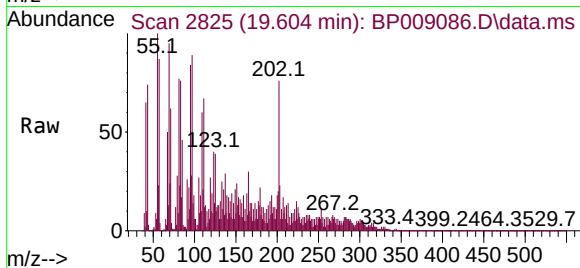
Tgt Ion:202 Resp: 535197

Ion Ratio Lower Upper

202 100

200 23.6 18.0 27.0

203 30.9 15.0 22.6#



#79

Terphenyl-d14

Concen: 40.437 ng

RT: 19.792 min Scan# 2857

Delta R.T. 0.024 min

Lab File: BP009086.D

Acq: 09 Feb 2022 19:44

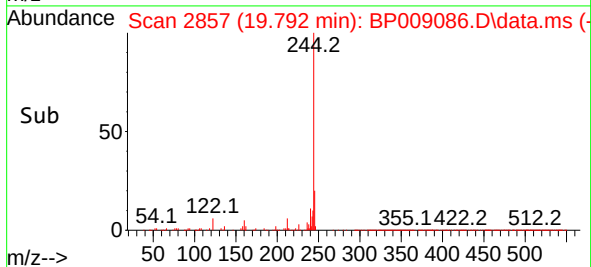
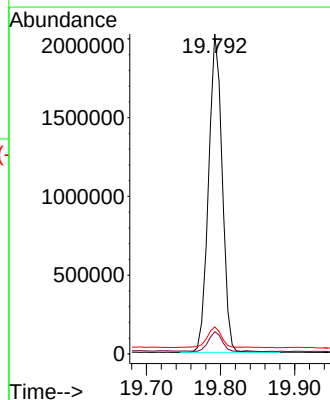
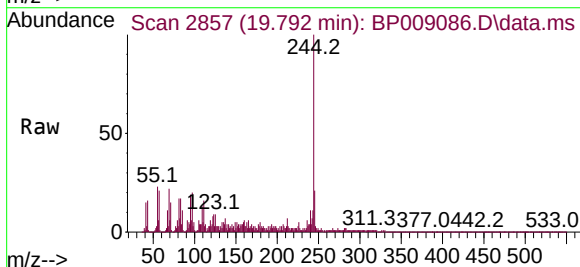
Tgt Ion:244 Resp: 2580589

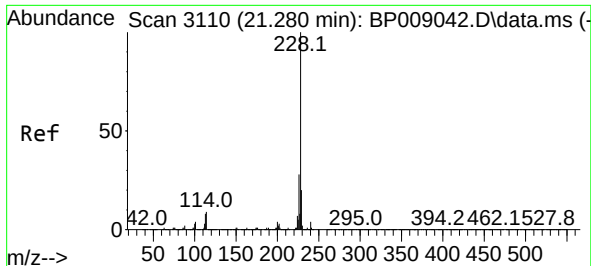
Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

122 8.4 9.2 13.8#

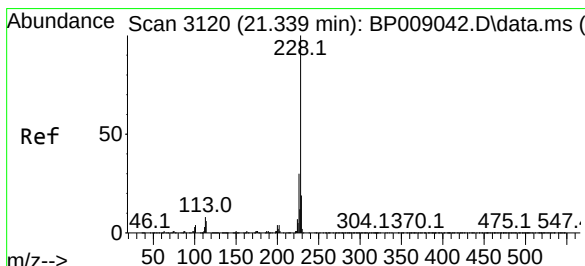
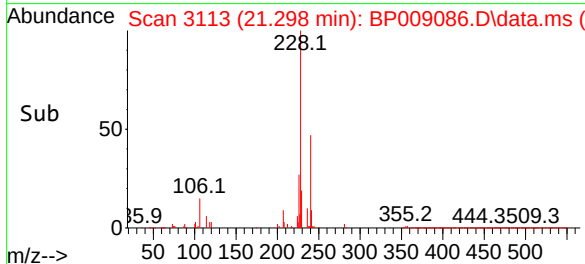
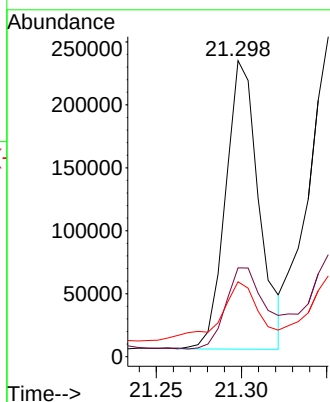
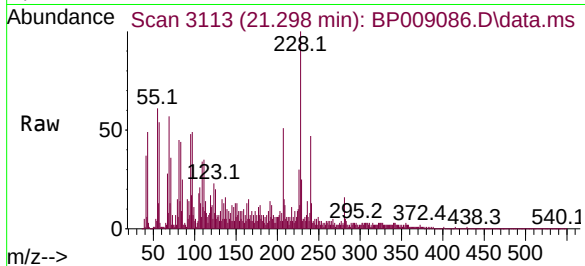




#81
Benzo(a)anthracene
Concen: 4.226 ng
RT: 21.298 min Scan# 3113
Delta R.T. 0.018 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

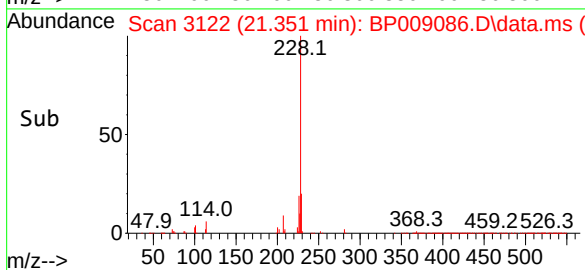
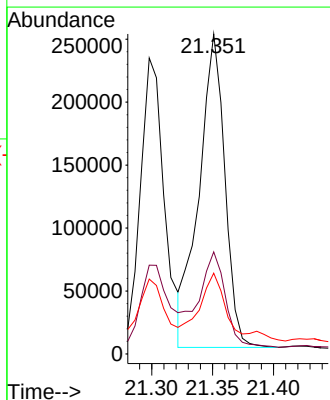
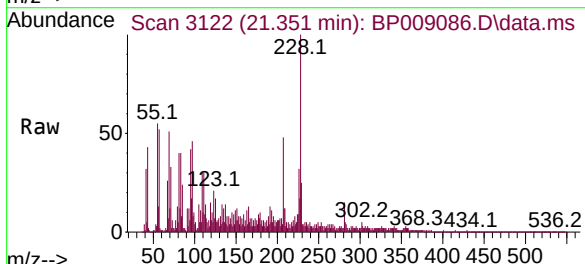
Instrument :
BNA_P
ClientSampleId :
26982

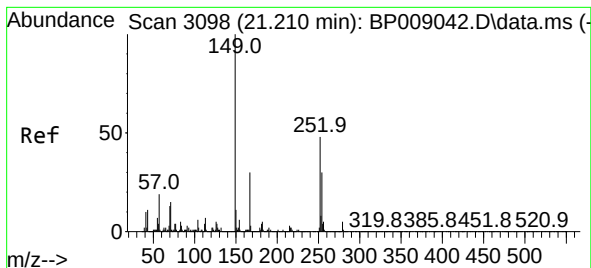
Tgt Ion:228 Resp: 312522
Ion Ratio Lower Upper
228 100
226 30.0 23.3 34.9
229 25.3 17.0 25.6



#83
Chrysene
Concen: 5.150 ng
RT: 21.351 min Scan# 3122
Delta R.T. 0.012 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Tgt Ion:228 Resp: 367185
Ion Ratio Lower Upper
228 100
226 31.9 26.0 39.0
229 25.2 16.9 25.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.336 ng

RT: 21.216 min Scan# 3098

Delta R.T. 0.006 min

Lab File: BP009086.D

Acq: 09 Feb 2022 19:44

Instrument :

BNA_P

ClientSampleId :

26982

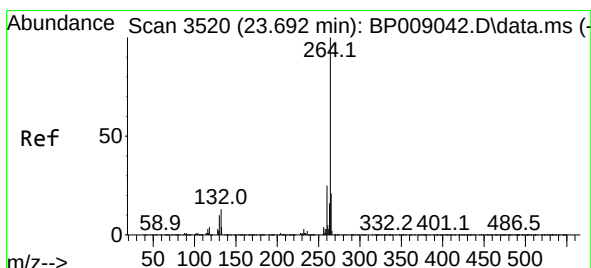
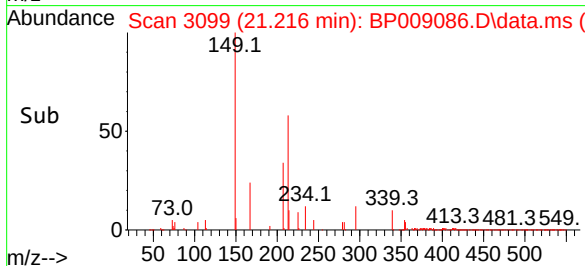
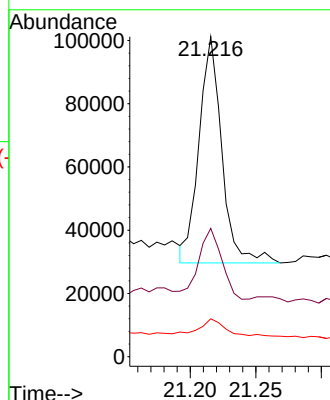
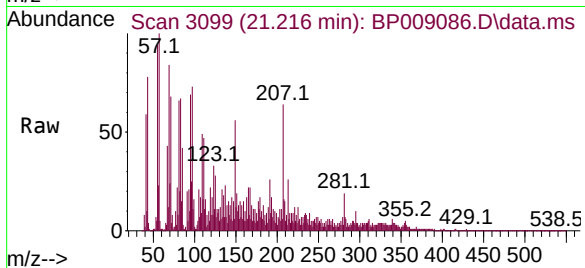
Tgt Ion:149 Resp: 86754

Ion Ratio Lower Upper

149 100

167 40.1 25.0 37.4#

279 11.8 4.8 7.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.710 min Scan# 3523

Delta R.T. 0.018 min

Lab File: BP009086.D

Acq: 09 Feb 2022 19:44

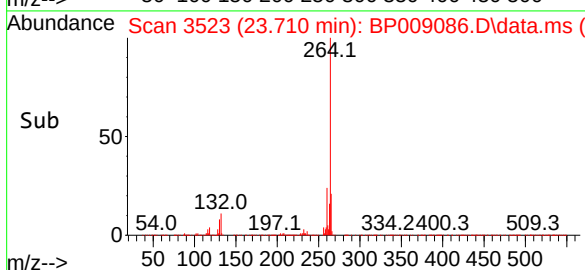
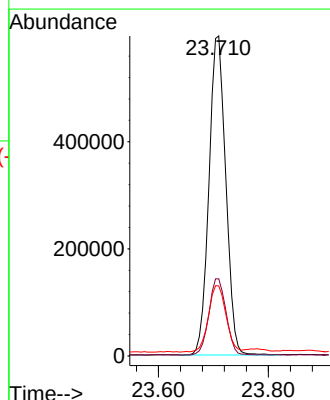
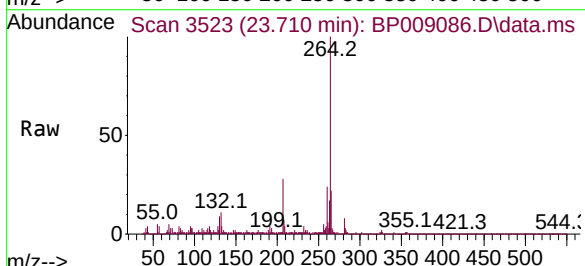
Tgt Ion:264 Resp: 1266186

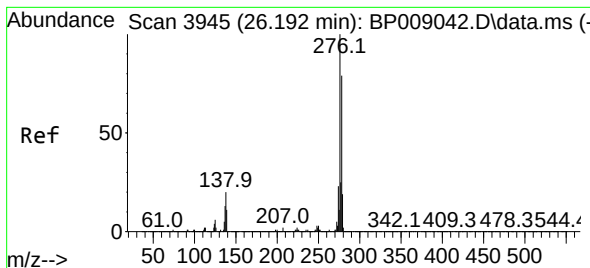
Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

265 21.9 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.870 ng

RT: 26.209 min Scan# 3948

Delta R.T. 0.018 min

Lab File: BP009086.D

Acq: 09 Feb 2022 19:44

Instrument :

BNA_P

ClientSampleId :

26982

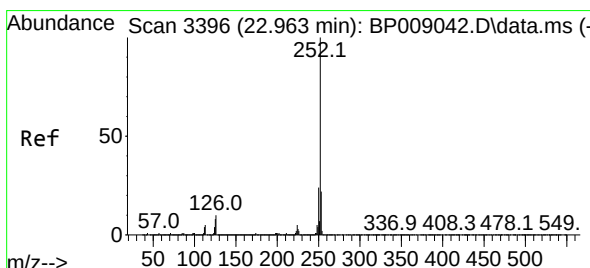
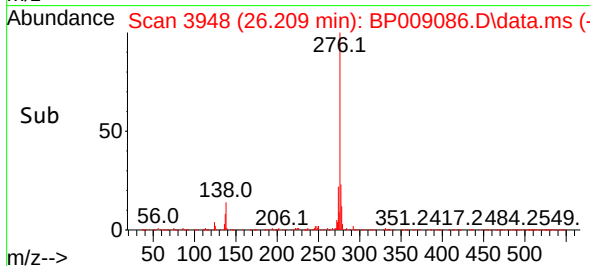
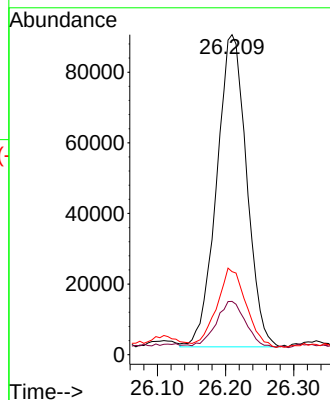
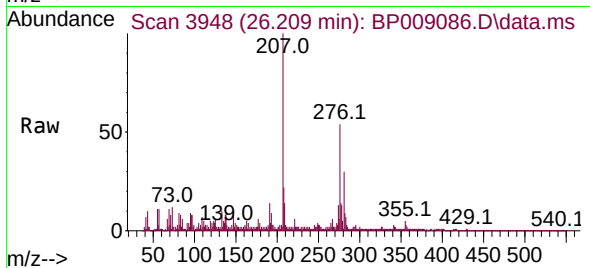
Tgt Ion:276 Resp: 270013

Ion Ratio Lower Upper

276 100

138 14.3 17.8 26.6#

277 25.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 8.610 ng

RT: 22.980 min Scan# 3399

Delta R.T. 0.018 min

Lab File: BP009086.D

Acq: 09 Feb 2022 19:44

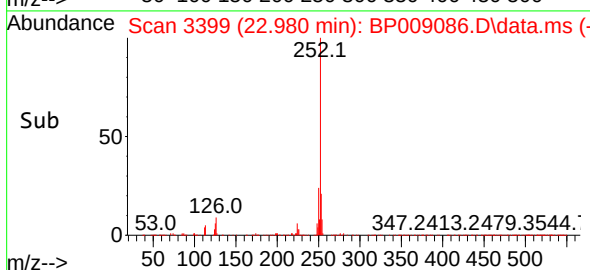
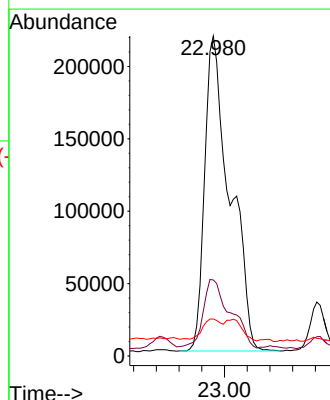
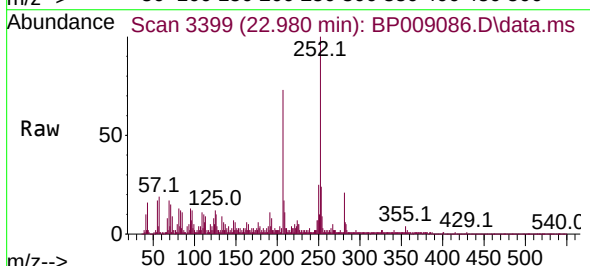
Tgt Ion:252 Resp: 671117

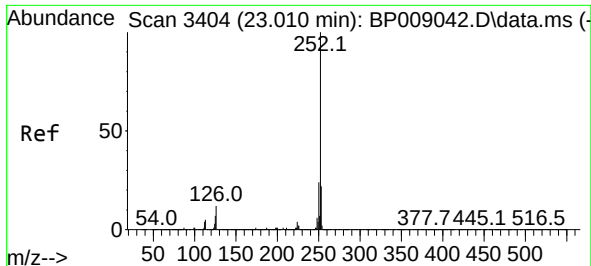
Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

125 11.6 6.9 10.3#

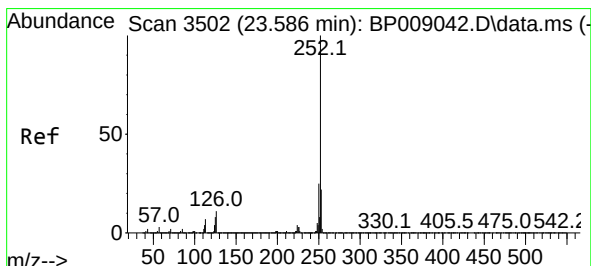
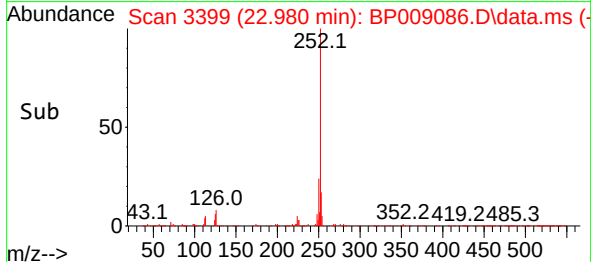
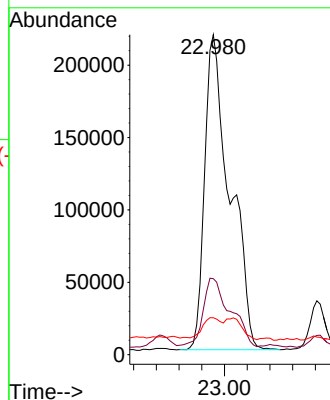
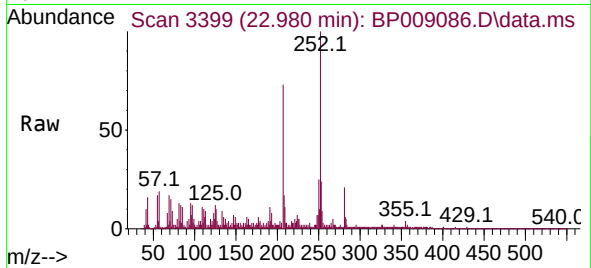




#89
Benzo(k)fluoranthene
Concen: 8.630 ng
RT: 22.980 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

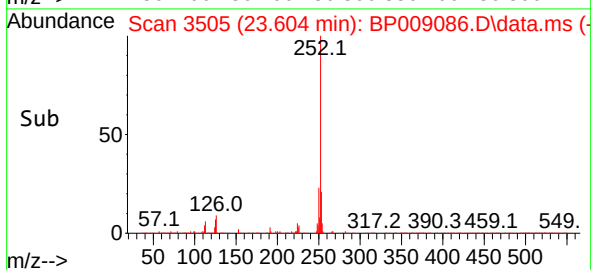
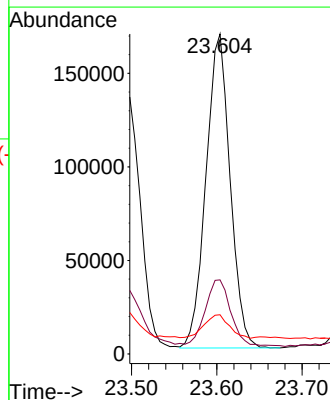
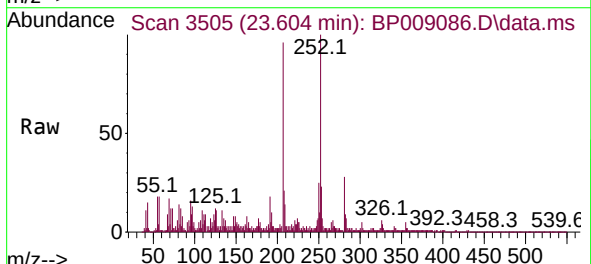
Instrument :
BNA_P
ClientSampleId :
26982

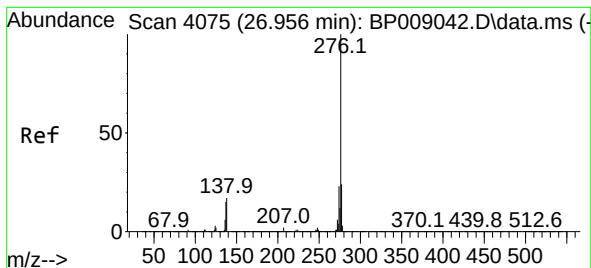
Tgt Ion:252 Resp: 671117
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 11.6 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 5.093 ng
RT: 23.604 min Scan# 3505
Delta R.T. 0.018 min
Lab File: BP009086.D
Acq: 09 Feb 2022 19:44

Tgt Ion:252 Resp: 330949
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 12.3 7.8 11.6#





#92

Benzo(g,h,i)perylene

Concen: 3.766 ng

RT: 26.980 min Scan# 4079

Delta R.T. 0.024 min

Lab File: BP009086.D

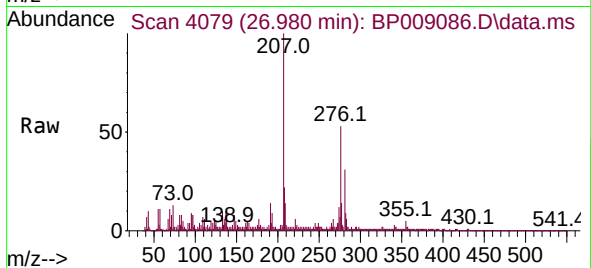
Acq: 09 Feb 2022 19:44

Instrument :

BNA_P

ClientSampleId :

26982



Tgt Ion:276 Resp: 289932

Ion Ratio Lower Upper

276 100

277 26.3 19.2 28.8

138 16.9 15.0 22.4

