

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021022\
 Data File : BP009102.D
 Acq On : 10 Feb 2022 16:42
 Operator : CG/JU
 Sample : N1435-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RO-349

Quant Time: Feb 10 18:00:39 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)

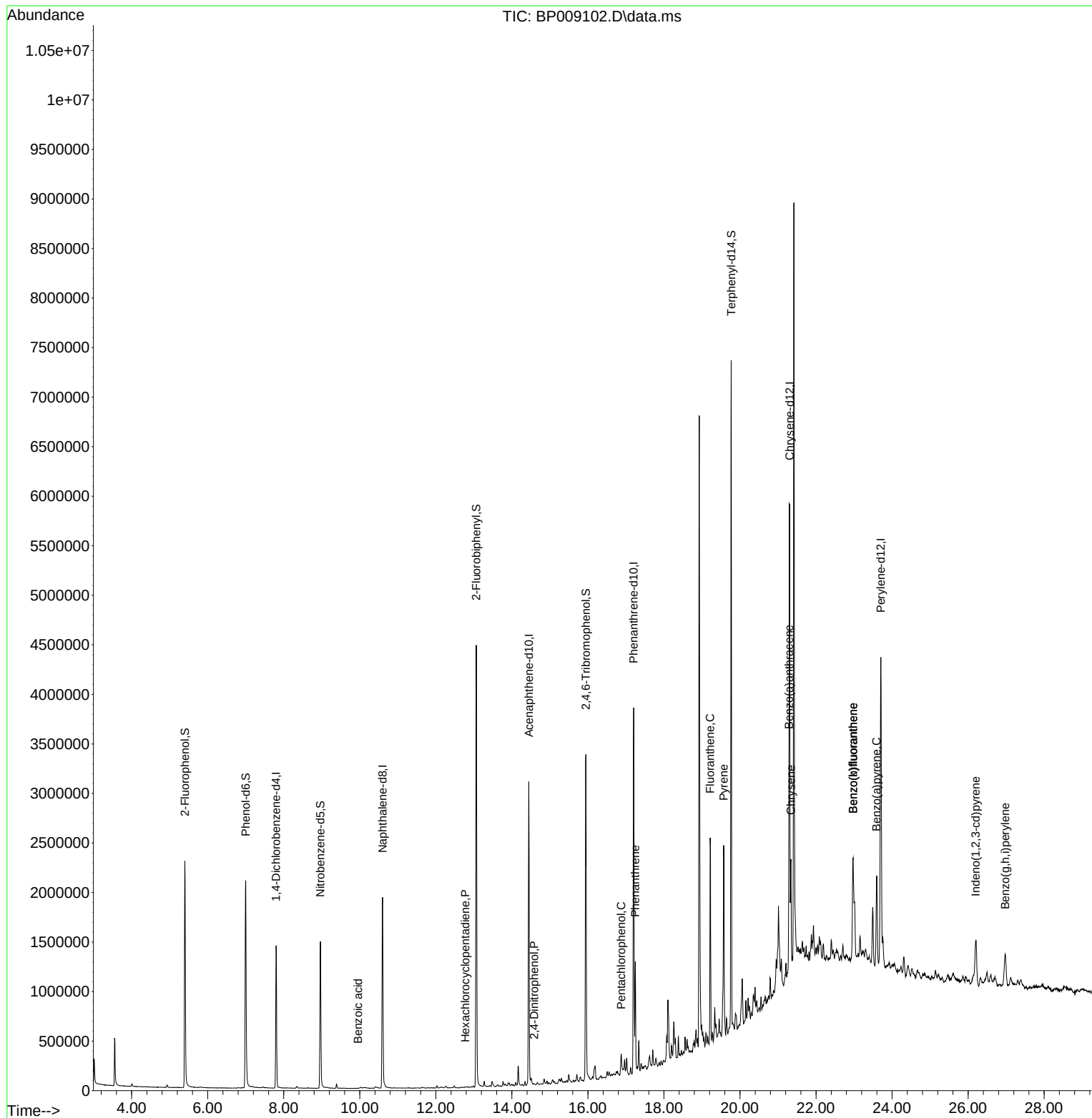
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	438454	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	1802862	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	1182064	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	2376025	20.000	ng	0.00
76) Chrysene-d12	21.304	240	2198431	20.000	ng	0.00
86) Perylene-d12	23.704	264	2512518	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1189314	48.386	ng	0.00
7) Phenol-d6	6.999	99	1465179	45.239	ng	0.01
23) Nitrobenzene-d5	8.963	82	926650	28.986	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	824081	52.214	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	2614895	30.968	ng	0.00
79) Terphenyl-d14	19.769	244	3391028	27.739	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.952	122	65	2.693	ng	# 1
41) Hexachlorocyclopentadiene	12.775	237	29	8.658	ng	87
54) 2,4-Dinitrophenol	14.587	184	42	2.172	ng	# 1
70) Pentachlorophenol	16.875	266	40605	2.500	ng	95
71) Phenanthrene	17.245	178	691616	5.376	ng	99
75) Fluoranthene	19.216	202	1286034	8.919	ng	98
78) Pyrene	19.569	202	1278709	8.177	ng	97
81) Benzo(a)anthracene	21.286	228	712366	5.028	ng	100
83) Chrysene	21.339	228	673761	4.933	ng	97
87) Indeno(1,2,3-cd)pyrene	26.198	276	521039	2.791	ng	# 93
88) Benzo(b)fluoranthene	22.974	252	1304816	8.436	ng	98
89) Benzo(k)fluoranthene	22.974	252	1304816	8.455	ng	99
90) Benzo(a)pyrene	23.592	252	706720	5.480	ng	98
92) Benzo(g,h,i)perylene	26.974	276	506913	3.319	ng	95

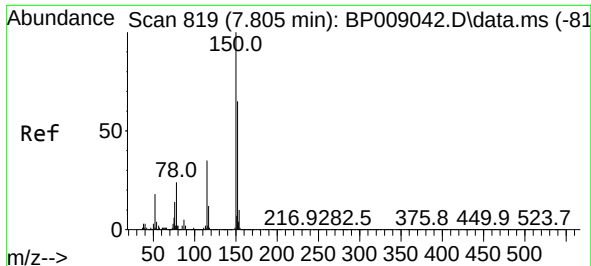
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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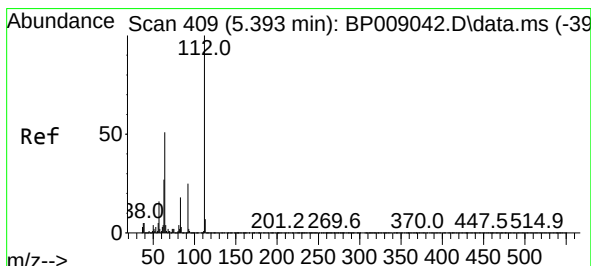
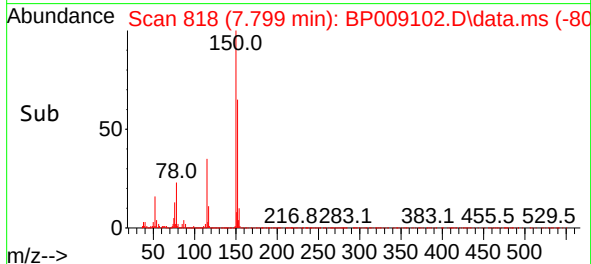
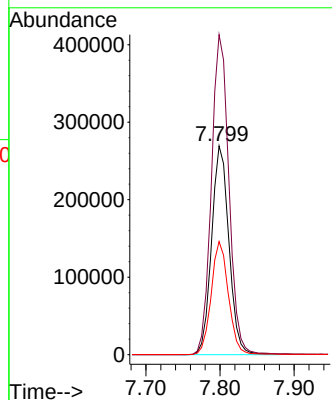
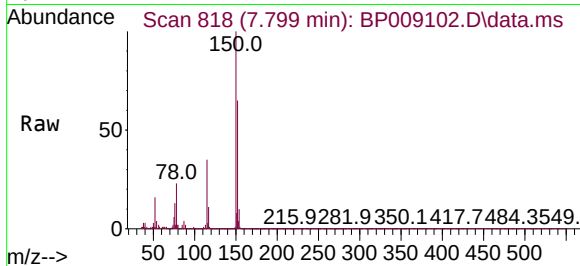




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

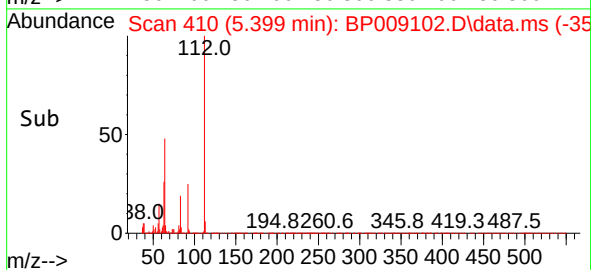
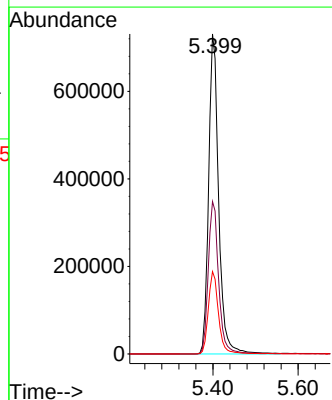
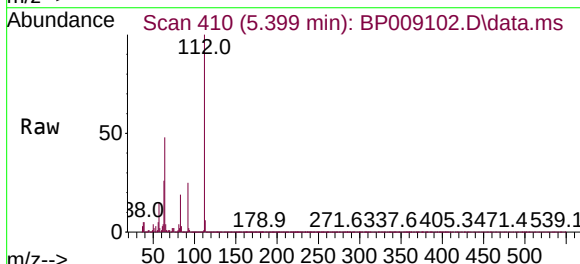
Instrument :
BNA_P
ClientSampleId :
RO-349

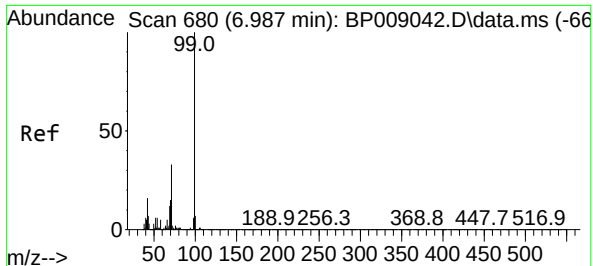
Tgt Ion:152 Resp: 438454
Ion Ratio Lower Upper
152 100
150 153.3 127.0 190.6
115 54.2 43.7 65.5



#5
2-Fluorophenol
Concen: 48.386 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

Tgt Ion:112 Resp: 1189314
Ion Ratio Lower Upper
112 100
64 47.7 39.7 59.5
63 25.8 20.0 30.0

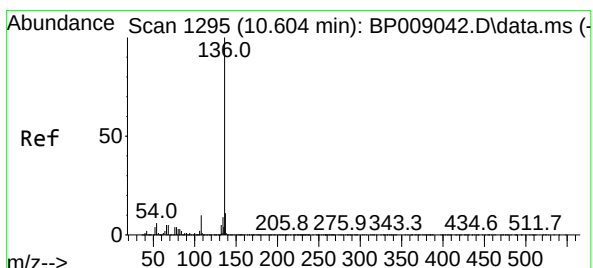
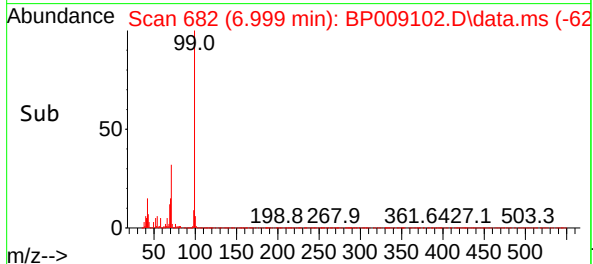
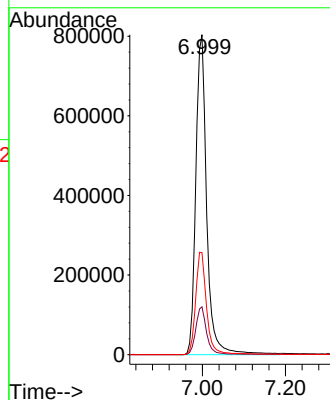
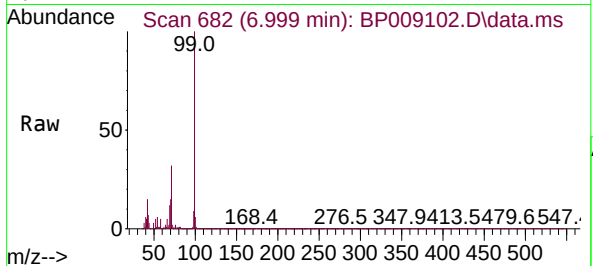




#7
Phenol-d6
Concen: 45.239 ng
RT: 6.999 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

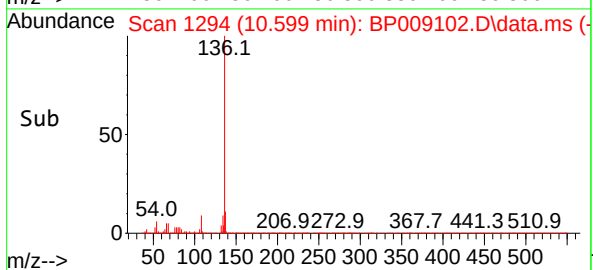
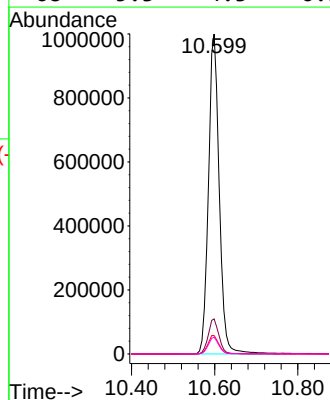
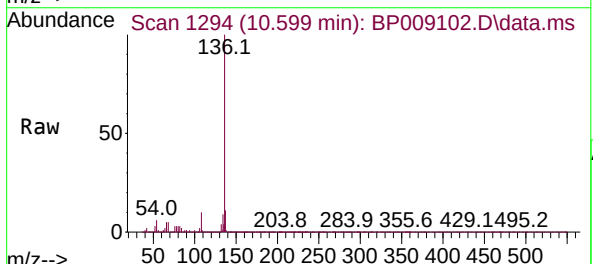
Instrument :
BNA_P
ClientSampleId :
RO-349

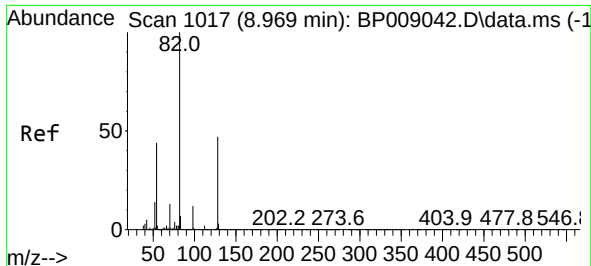
Tgt Ion: 99 Resp: 1465179
Ion Ratio Lower Upper
99 100
42 15.0 10.8 16.2
71 31.9 23.8 35.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.005 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

Tgt Ion: 136 Resp: 1802862
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 5.8 4.9 7.3
68 5.3 4.3 6.5

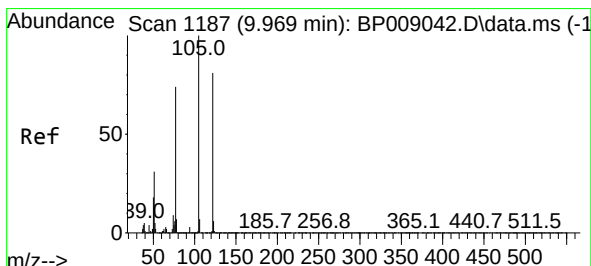
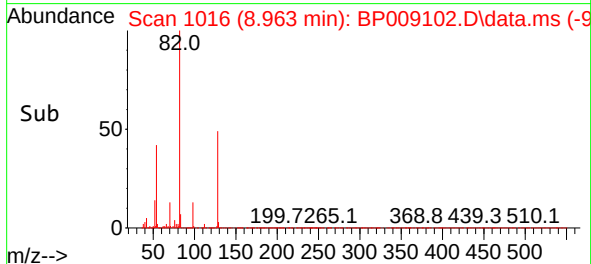
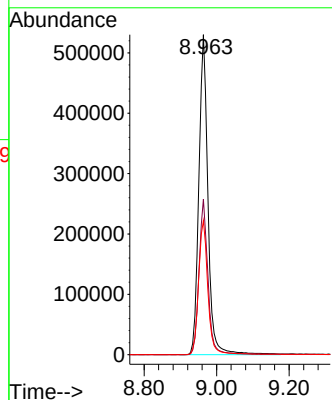
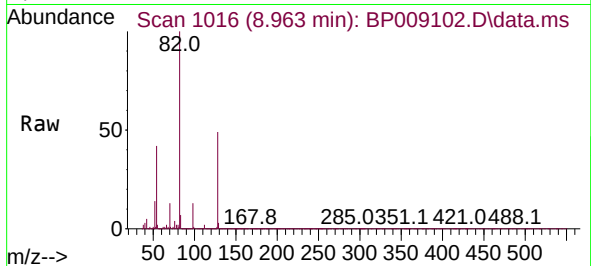




#23
Nitrobenzene-d5
Concen: 28.986 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

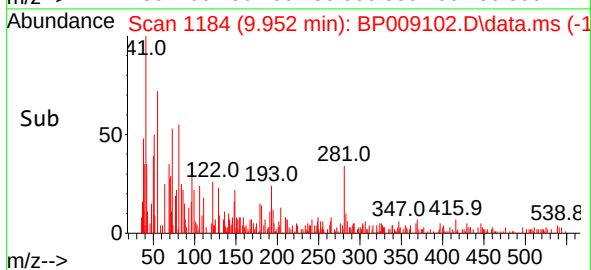
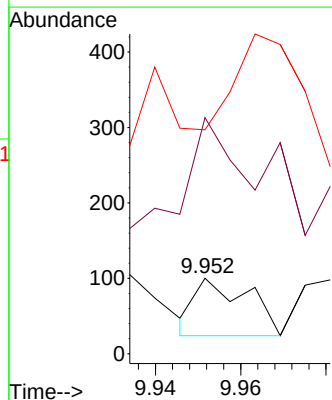
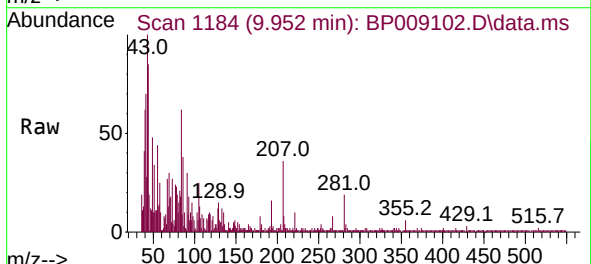
Instrument :
BNA_P
ClientSampleId :
RO-349

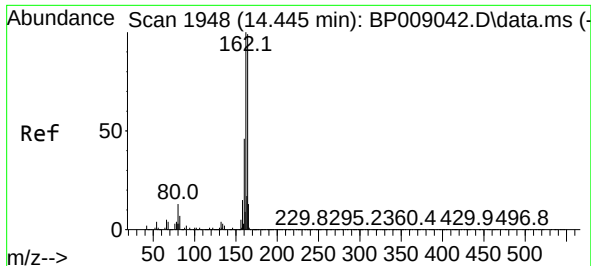
Tgt Ion: 82 Resp: 926650
Ion Ratio Lower Upper
82 100
128 48.6 39.4 59.2
54 41.9 32.6 48.8



#32
Benzoic acid
Concen: 2.693 ng
RT: 9.952 min Scan# 1184
Delta R.T. -0.017 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

Tgt Ion: 122 Resp: 65
Ion Ratio Lower Upper
122 100
105 313.0 100.1 140.1#
77 297.0 65.5 105.5#

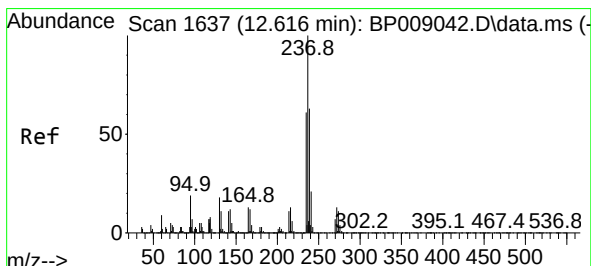
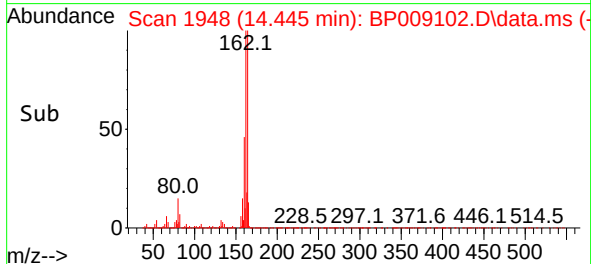
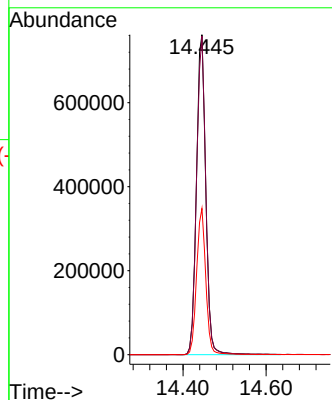
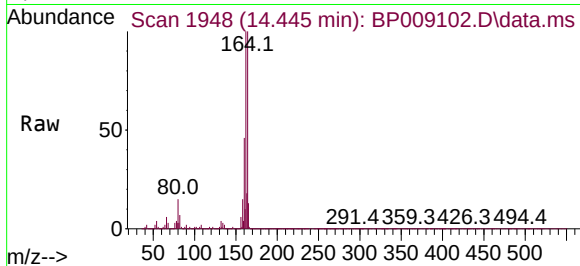




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

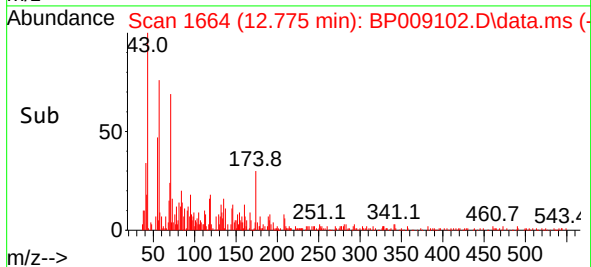
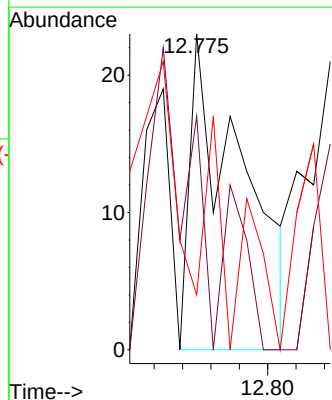
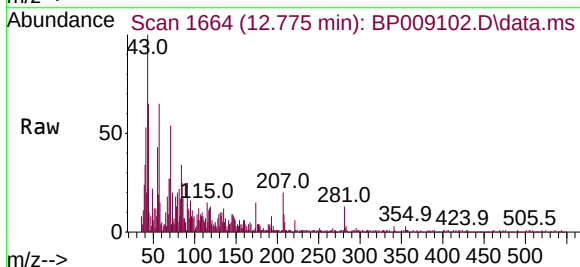
Instrument :
BNA_P
ClientSampleId :
RO-349

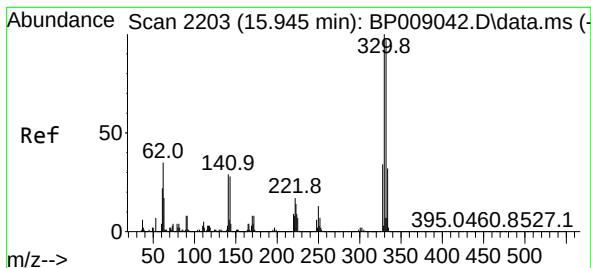
Tgt Ion:164 Resp: 1182064
Ion Ratio Lower Upper
164 100
162 99.6 79.9 119.9
160 45.7 35.5 53.3



#41
Hexachlorocyclopentadiene
Concen: 8.658 ng
RT: 12.775 min Scan# 1664
Delta R.T. 0.159 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

Tgt Ion:237 Resp: 29
Ion Ratio Lower Upper
237 100
235 73.9 42.9 82.9
272 17.4 0.0 33.8





#42

2,4,6-Tribromophenol

Concen: 52.214 ng

RT: 15.945 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP009102.D

Acq: 10 Feb 2022 16:42

Instrument :

BNA_P

ClientSampleId :

RO-349

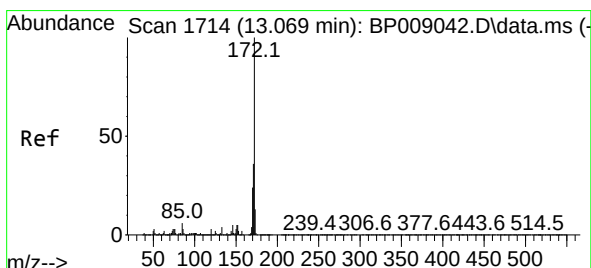
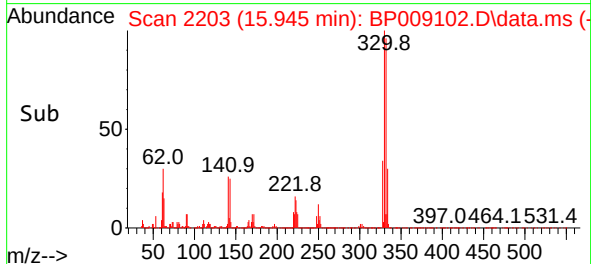
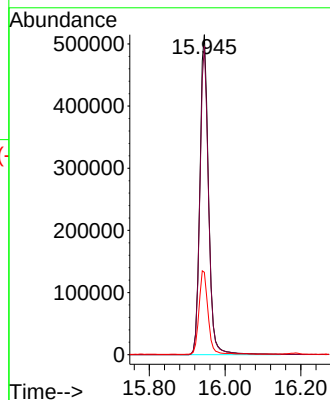
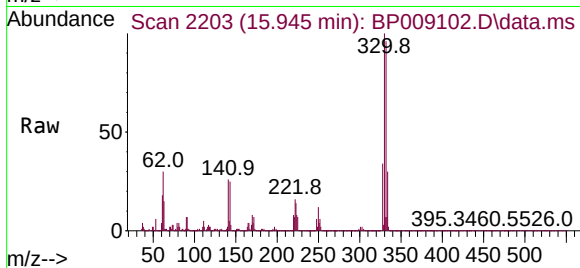
Tgt Ion:330 Resp: 824081

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.4

141 27.2 21.3 31.9



#45

2-Fluorobiphenyl

Concen: 30.968 ng

RT: 13.063 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP009102.D

Acq: 10 Feb 2022 16:42

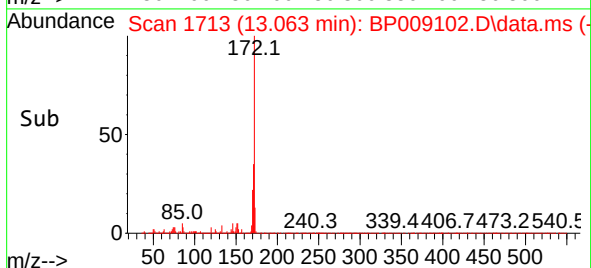
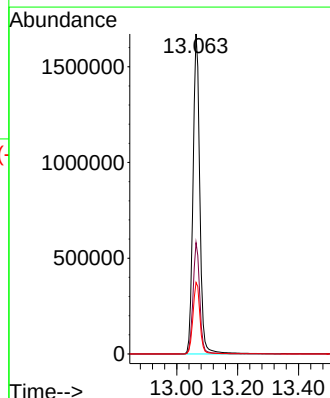
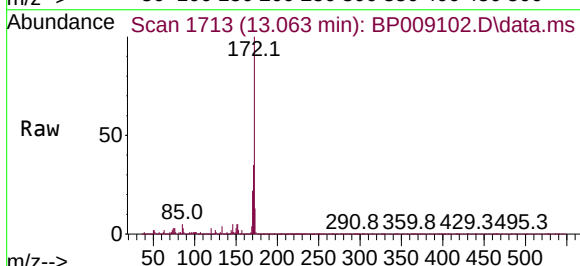
Tgt Ion:172 Resp: 2614895

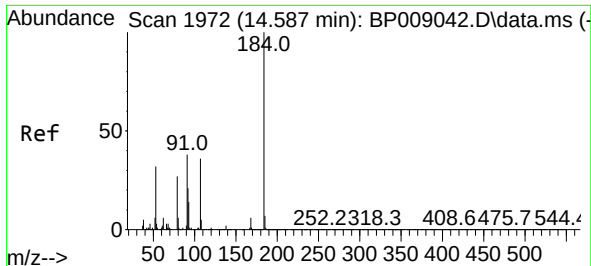
Ion Ratio Lower Upper

172 100

171 34.8 29.3 43.9

170 22.4 19.5 29.3

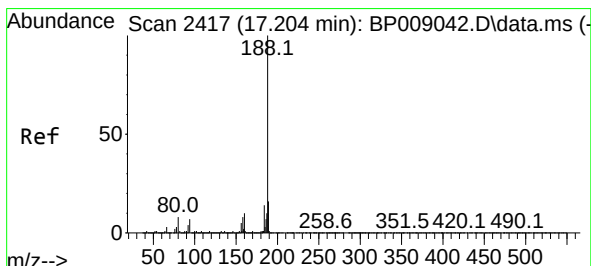
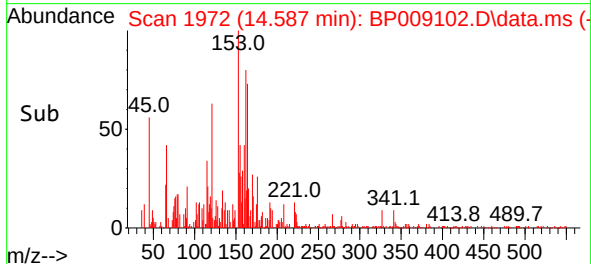
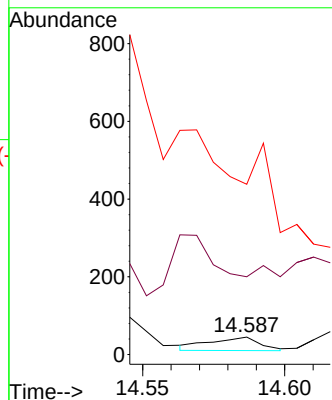
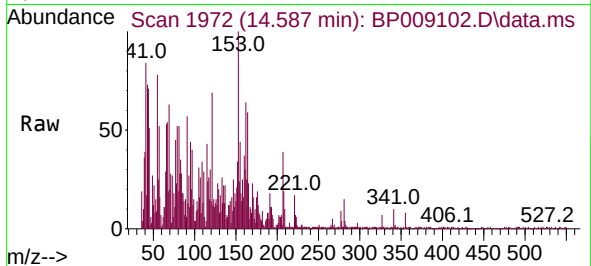




#54
2,4-Dinitrophenol
Concen: 2.172 ng
RT: 14.587 min Scan# 1972
Delta R.T. -0.000 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

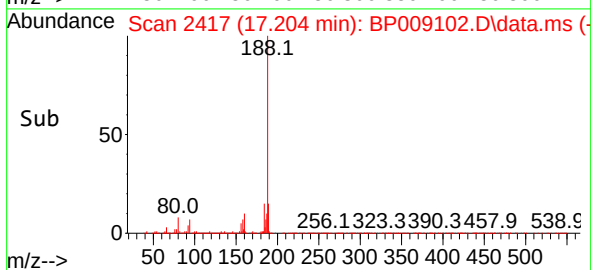
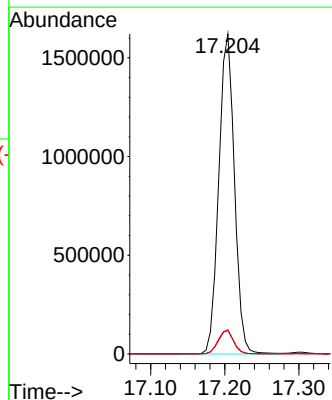
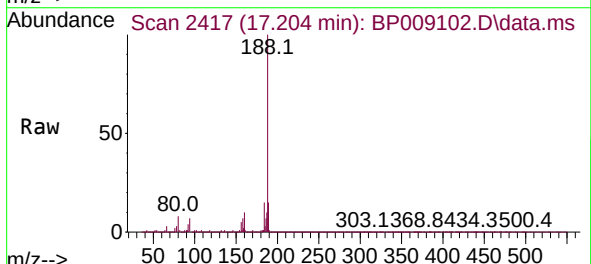
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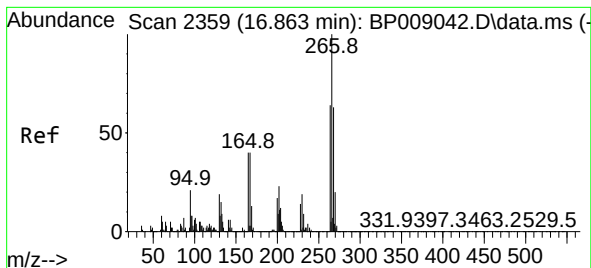
Tgt Ion:184 Resp: 42
Ion Ratio Lower Upper
184 100
63 444.4 35.6 53.4#
154 973.3 43.4 65.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

Tgt Ion:188 Resp: 2376025
Ion Ratio Lower Upper
188 100
94 7.4 6.8 10.2
80 7.6 7.2 10.8





#70

Pentachlorophenol

Concen: 2.500 ng

RT: 16.875 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP009102.D

Acq: 10 Feb 2022 16:42

Instrument :

BNA_P

ClientSampleId :

RO-349

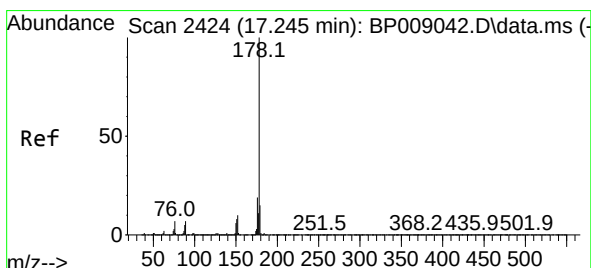
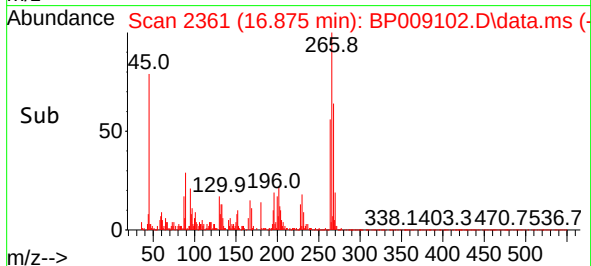
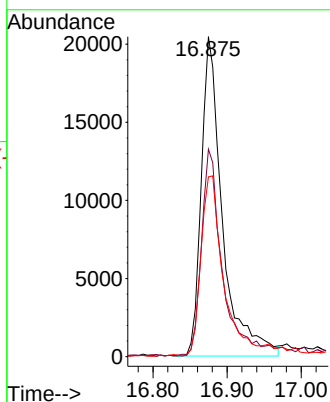
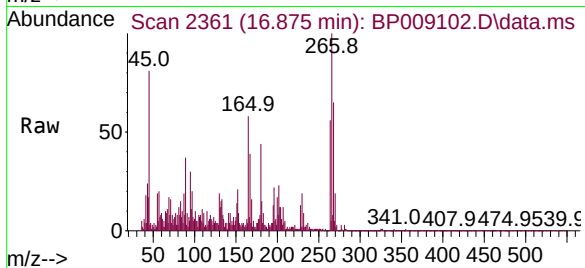
Tgt Ion:266 Resp: 40605

Ion Ratio Lower Upper

266 100

268 64.9 50.9 76.3

264 56.2 50.3 75.5



#71

Phenanthrene

Concen: 5.376 ng

RT: 17.245 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP009102.D

Acq: 10 Feb 2022 16:42

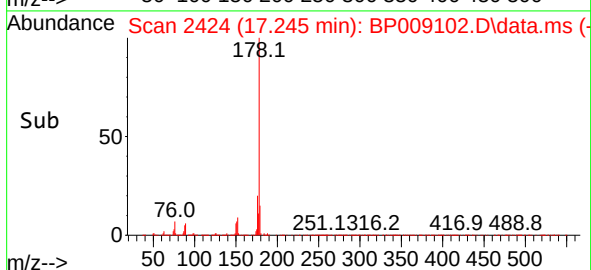
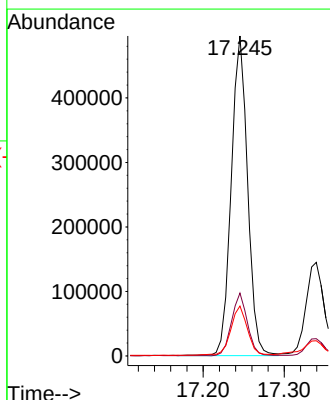
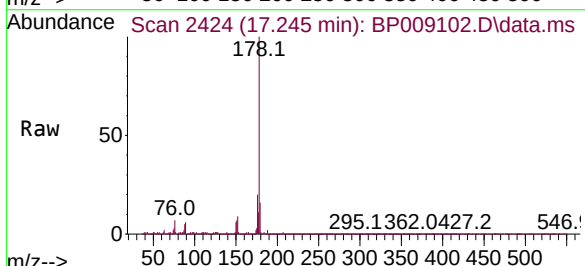
Tgt Ion:178 Resp: 691616

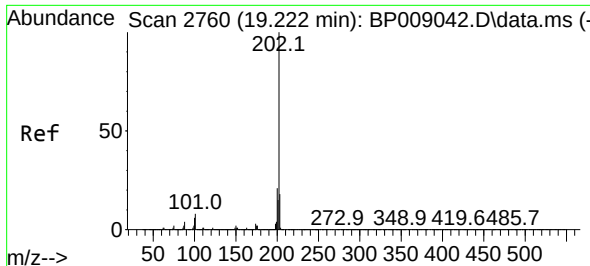
Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

179 15.6 13.0 19.4

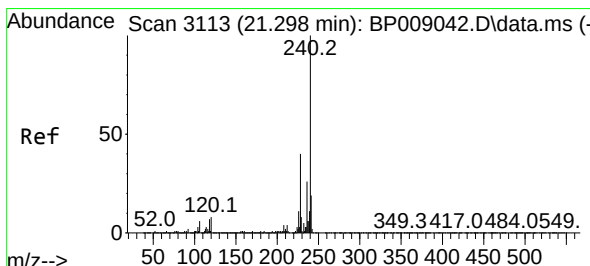
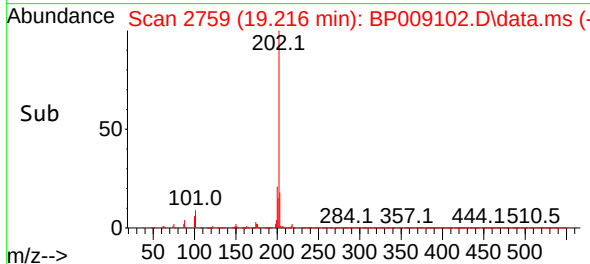
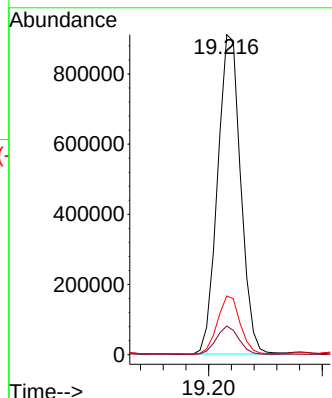
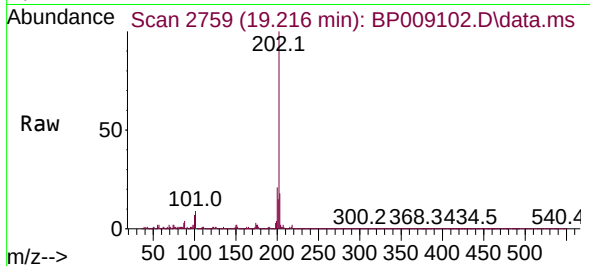




#75
Fluoranthene
Concen: 8.919 ng
RT: 19.216 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

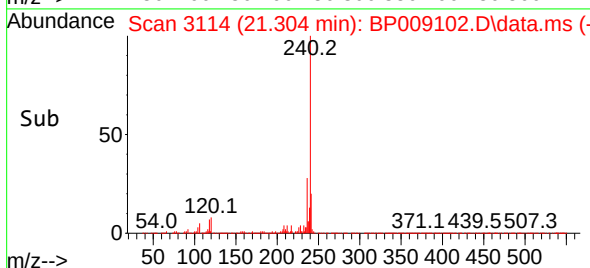
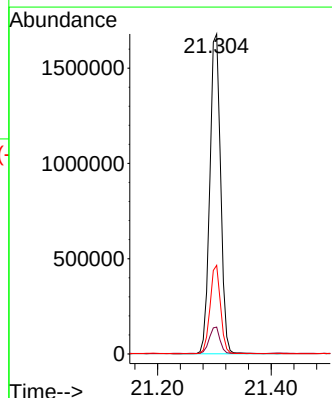
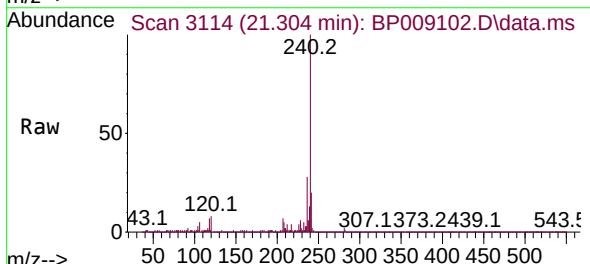
Instrument :
BNA_P
ClientSampleId :
RO-349

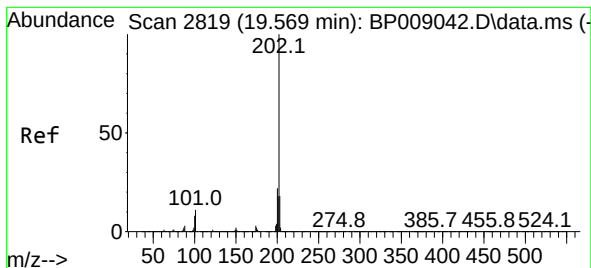
Tgt Ion:202 Resp: 1286034
Ion Ratio Lower Upper
202 100
101 8.9 0.0 30.7
203 18.3 0.0 38.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.304 min Scan# 3114
Delta R.T. 0.006 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

Tgt Ion:240 Resp: 2198431
Ion Ratio Lower Upper
240 100
120 8.4 7.7 11.5
236 27.7 21.2 31.8





#78

Pyrene

Concen: 8.177 ng

RT: 19.569 min Scan# 2819

Delta R.T. 0.000 min

Lab File: BP009102.D

Acq: 10 Feb 2022 16:42

Instrument :

BNA_P

ClientSampleId :

RO-349

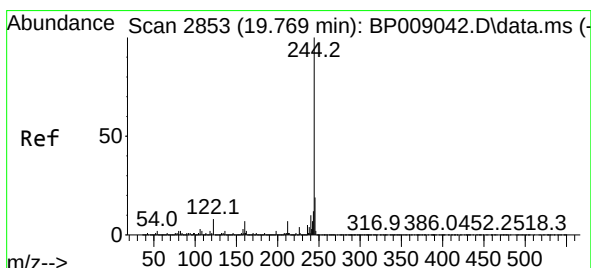
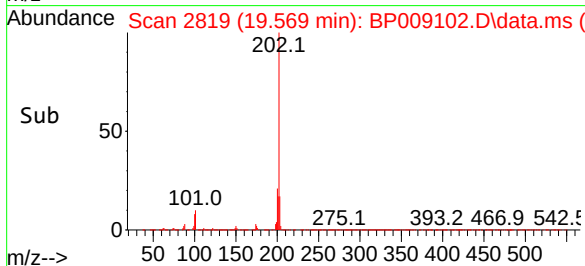
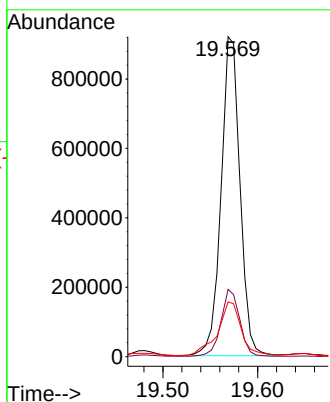
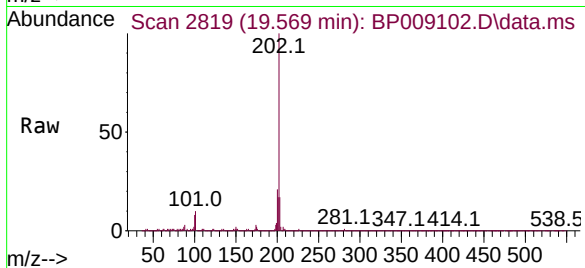
Tgt Ion:202 Resp: 1278709

Ion Ratio Lower Upper

202 100

200 21.0 18.0 27.0

203 17.1 15.0 22.6



#79

Terphenyl-d14

Concen: 27.739 ng

RT: 19.769 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BP009102.D

Acq: 10 Feb 2022 16:42

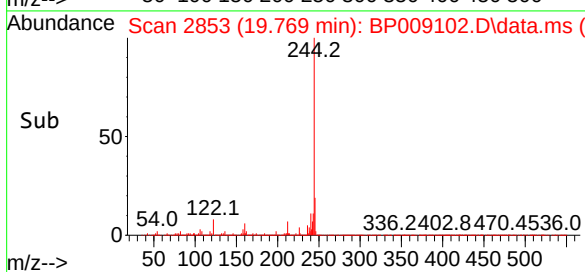
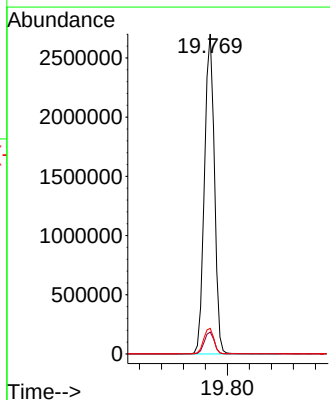
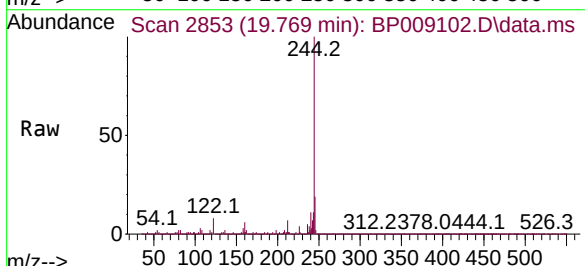
Tgt Ion:244 Resp: 3391028

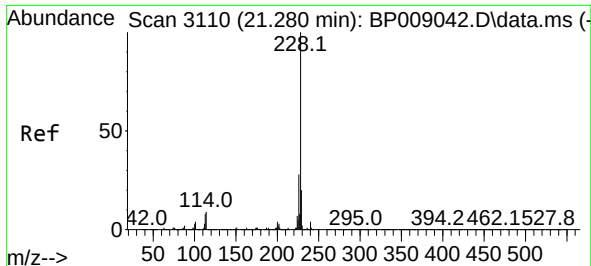
Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

122 8.0 9.2 13.8#

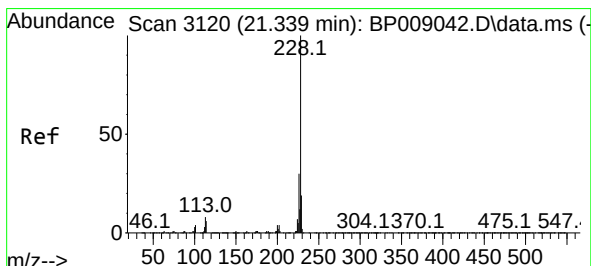
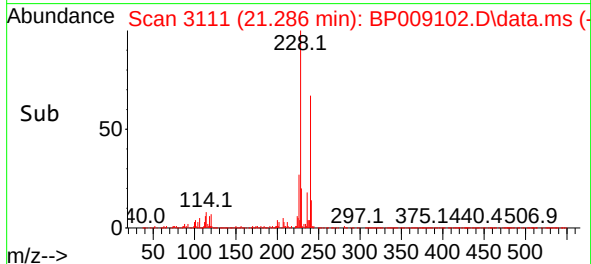
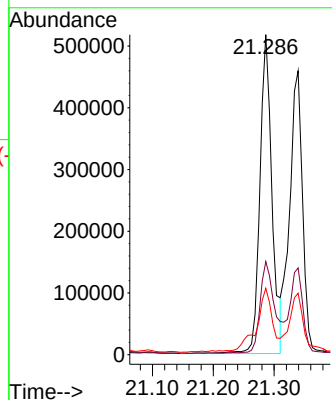
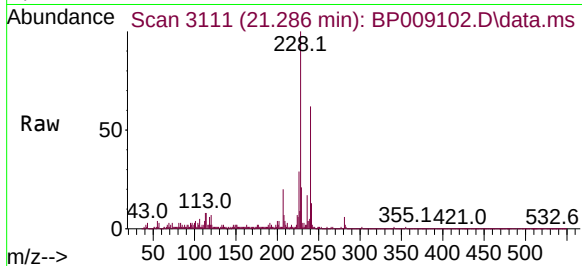




#81
Benzo(a)anthracene
Concen: 5.028 ng
RT: 21.286 min Scan# 3110
Delta R.T. 0.006 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

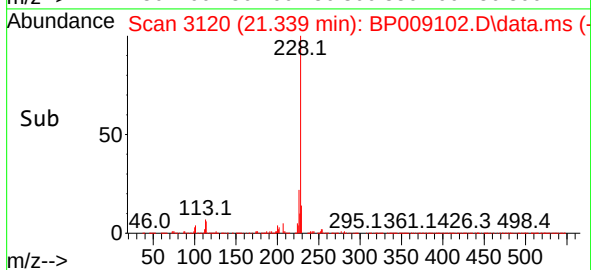
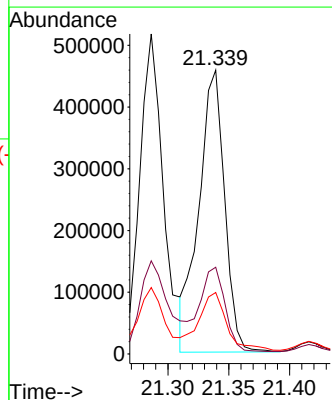
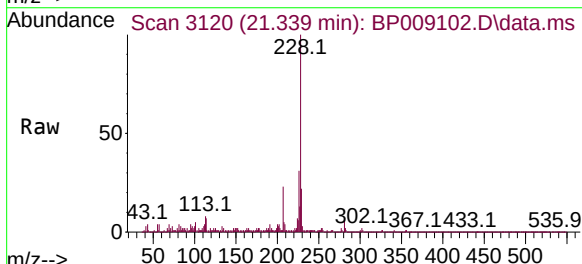
Instrument :
BNA_P
ClientSampleId :
RO-349

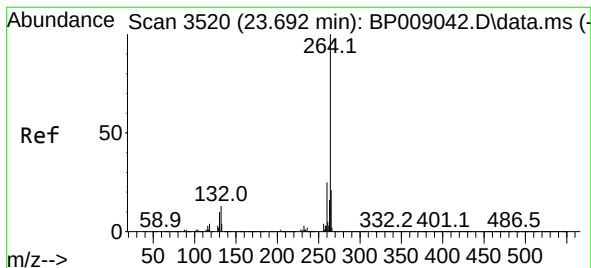
Tgt Ion:228 Resp: 712366
Ion Ratio Lower Upper
228 100
226 29.1 23.3 34.9
229 20.8 17.0 25.6



#83
Chrysene
Concen: 4.933 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

Tgt Ion:228 Resp: 673761
Ion Ratio Lower Upper
228 100
226 30.6 26.0 39.0
229 21.7 16.9 25.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.704 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP009102.D

Acq: 10 Feb 2022 16:42

Instrument :

BNA_P

ClientSampleId :

RO-349

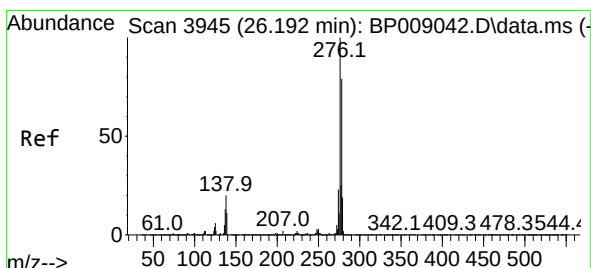
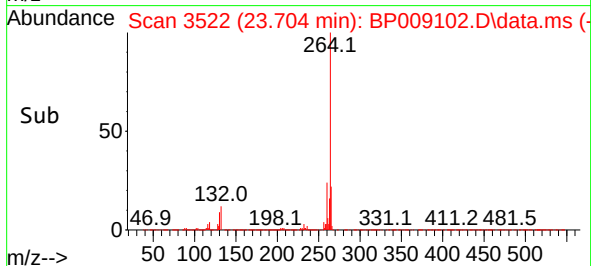
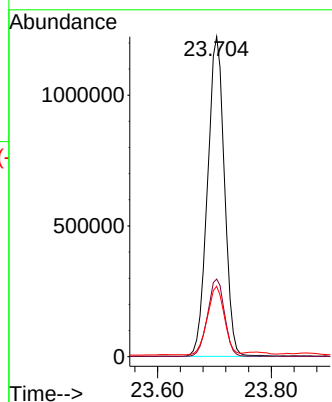
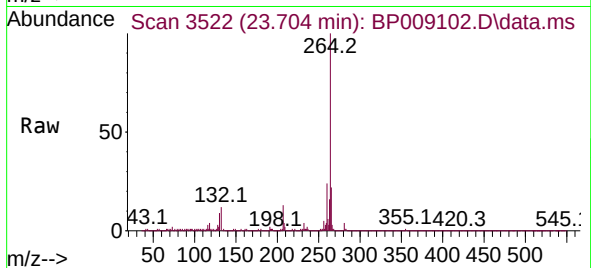
Tgt Ion:264 Resp: 2512518

Ion Ratio Lower Upper

264 100

260 24.2 19.1 28.7

265 22.0 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.791 ng

RT: 26.198 min Scan# 3946

Delta R.T. 0.006 min

Lab File: BP009102.D

Acq: 10 Feb 2022 16:42

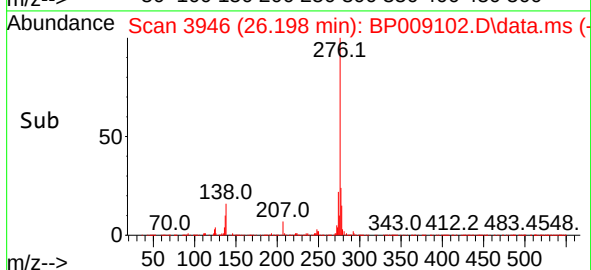
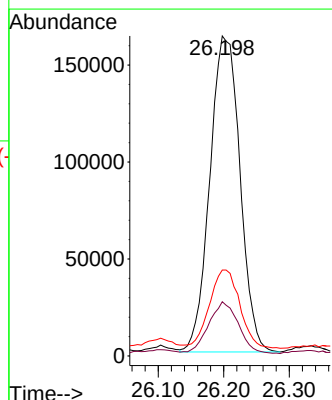
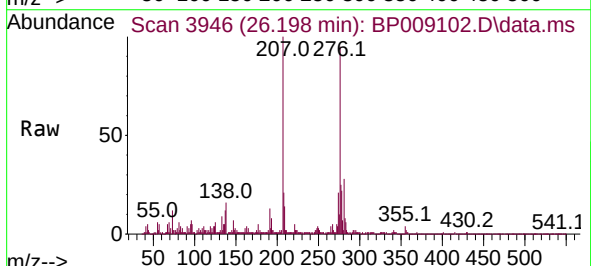
Tgt Ion:276 Resp: 521039

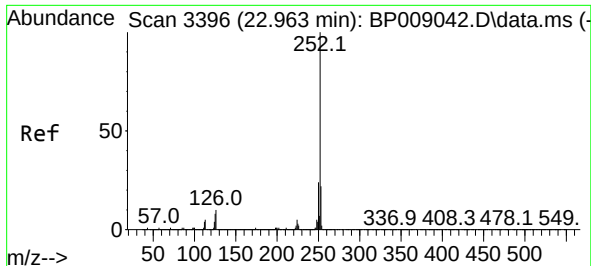
Ion Ratio Lower Upper

276 100

138 15.9 17.8 26.6#

277 25.0 20.4 30.6

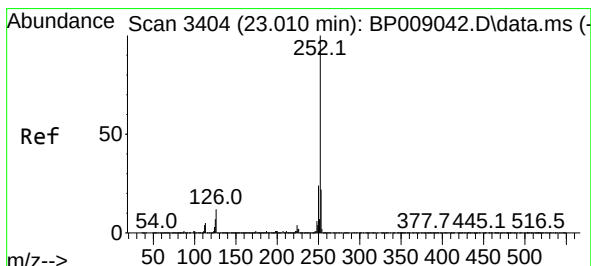
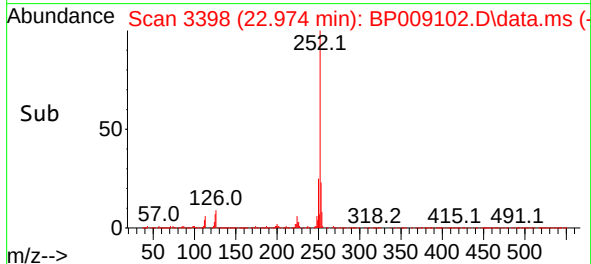
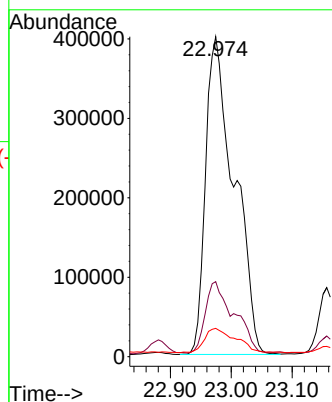
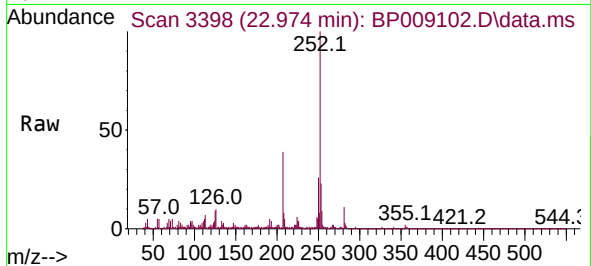




#88
Benzo(b)fluoranthene
Concen: 8.436 ng
RT: 22.974 min Scan# 3398
Delta R.T. 0.012 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

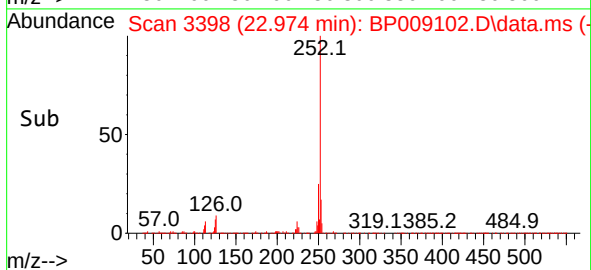
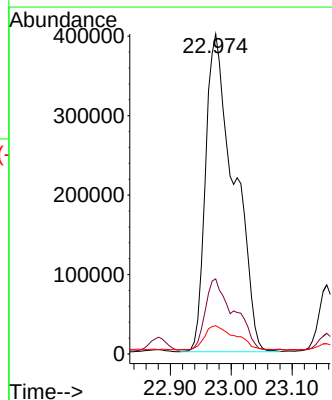
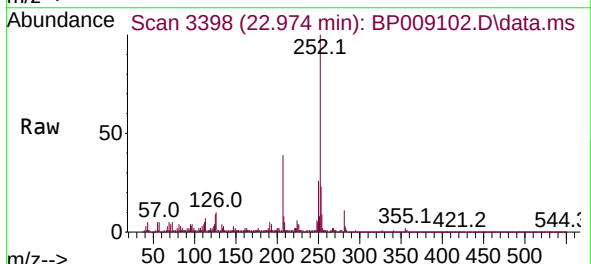
Instrument :
BNA_P
ClientSampleId :
RO-349

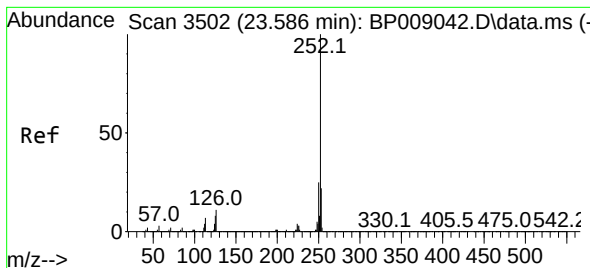
Tgt Ion:252 Resp: 1304816
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 8.9 6.9 10.3



#89
Benzo(k)fluoranthene
Concen: 8.455 ng
RT: 22.974 min Scan# 3398
Delta R.T. -0.035 min
Lab File: BP009102.D
Acq: 10 Feb 2022 16:42

Tgt Ion:252 Resp: 1304816
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 8.9 7.3 10.9





#90

Benzo(a)pyrene

Concen: 5.480 ng

RT: 23.592 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP009102.D

Acq: 10 Feb 2022 16:42

Instrument :

BNA_P

ClientSampleId :

RO-349

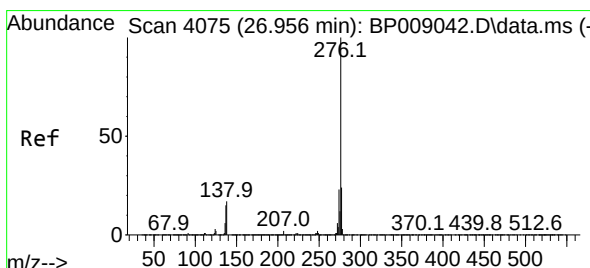
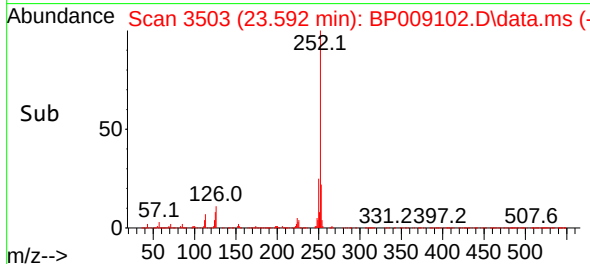
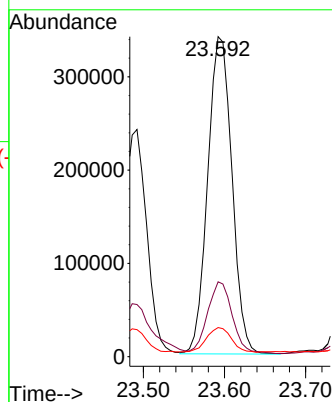
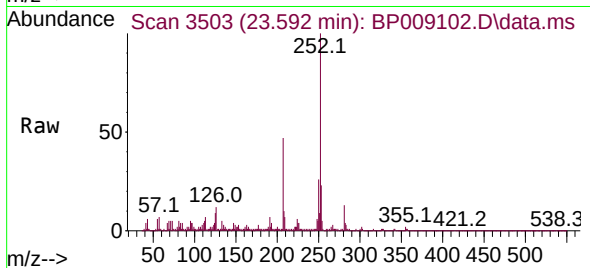
Tgt Ion:252 Resp: 706720

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 9.1 7.8 11.6



#92

Benzo(g,h,i)perylene

Concen: 3.319 ng

RT: 26.974 min Scan# 4078

Delta R.T. 0.018 min

Lab File: BP009102.D

Acq: 10 Feb 2022 16:42

Tgt Ion:276 Resp: 506913

Ion Ratio Lower Upper

276 100

277 27.0 19.2 28.8

138 17.1 15.0 22.4

