

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
 Data File : BP009614.D
 Acq On : 30 Mar 2022 02:21
 Operator : CG/JU
 Sample : N2095-09 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-09-3.0-4.0

Quant Time: Mar 30 04:12:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 04:00:13 2022
 Response via : Initial Calibration

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

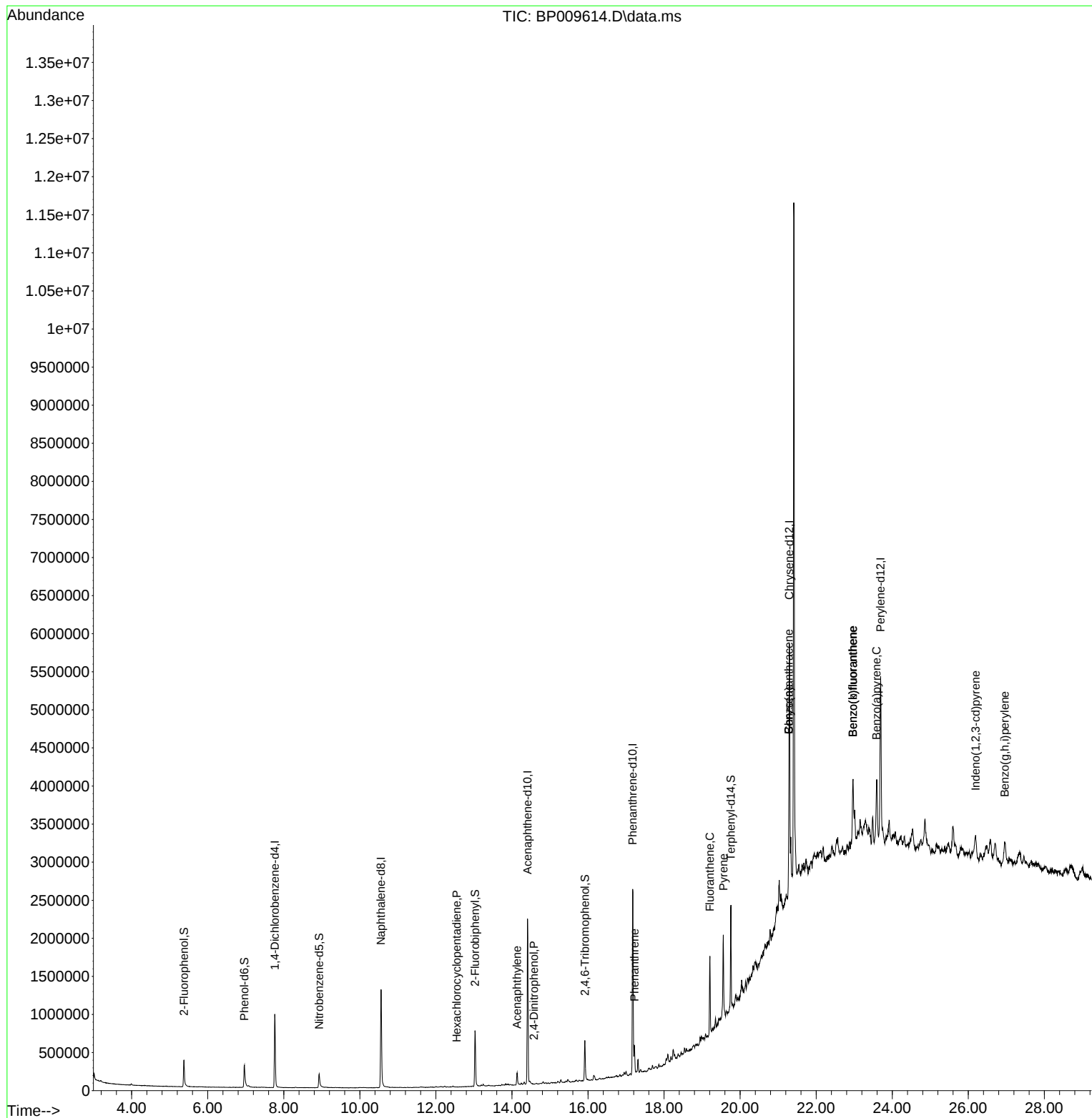
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	307707	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	1265473	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	809716	20.000	ng	0.00
64) Phenanthrene-d10	17.175	188	1654104	20.000	ng	0.00
76) Chrysene-d12	21.292	240	1553845	20.000	ng	0.00
86) Perylene-d12	23.692	264	1741954	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	225747	12.809	ng	0.00
7) Phenol-d6	6.963	99	280548	11.771	ng	0.01
23) Nitrobenzene-d5	8.928	82	168282	7.067	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	131410	9.835	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	478267	8.188	ng	0.00
79) Terphenyl-d14	19.757	244	749153	8.654	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.916	77	813	Below Cal	#	55
41) Hexachlorocyclopentadiene	12.546	237	27	7.290	ng	91
49) Acenaphthylene	14.134	152	148981	2.029	ng	98
54) 2,4-Dinitrophenol	14.575	184	139	4.549	ng	# 1
71) Phenanthrene	17.222	178	244502	2.761	ng	99
75) Fluoranthene	19.204	202	658832	6.146	ng	98
78) Pyrene	19.557	202	686201	6.702	ng	100
81) Benzo(a)anthracene	21.280	228	408269	3.999	ng	93
83) Chrysene	21.280	228	408269	4.223	ng	96
87) Indeno(1,2,3-cd)pyrene	26.192	276	387226	2.930	ng	# 93
88) Benzo(b)fluoranthene	22.963	252	786253	7.561	ng	# 90
89) Benzo(k)fluoranthene	22.963	252	786253	7.722	ng	# 90
90) Benzo(a)pyrene	23.586	252	554585	6.233	ng	# 92
92) Benzo(g,h,i)perylene	26.957	276	403453	3.723	ng	# 91

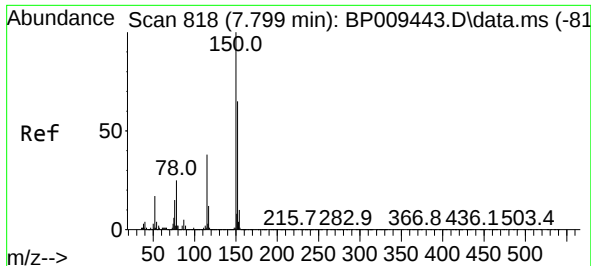
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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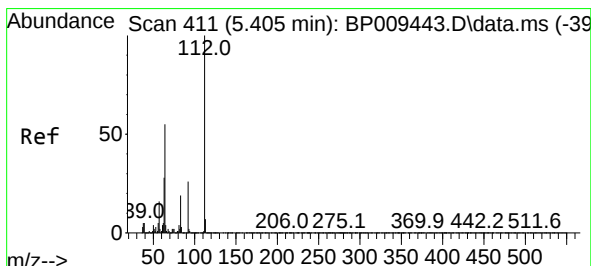
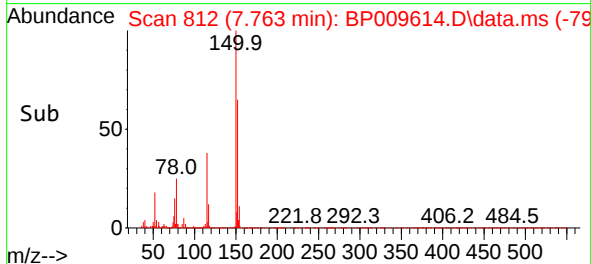
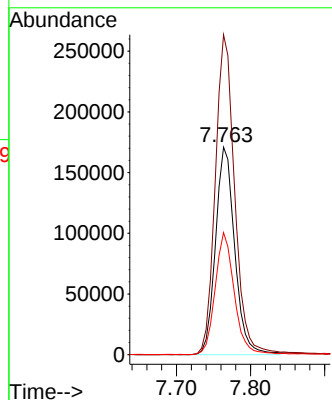
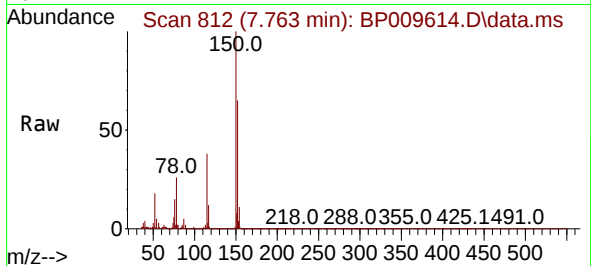




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

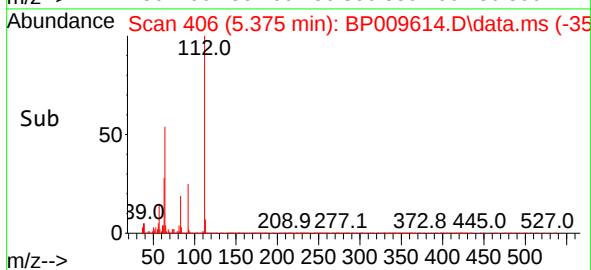
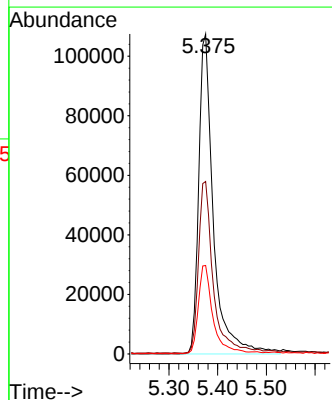
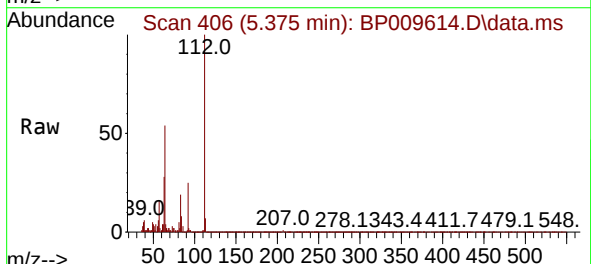
Instrument :
BNA_P
ClientSampleId :
SB-09-3.0-4.0

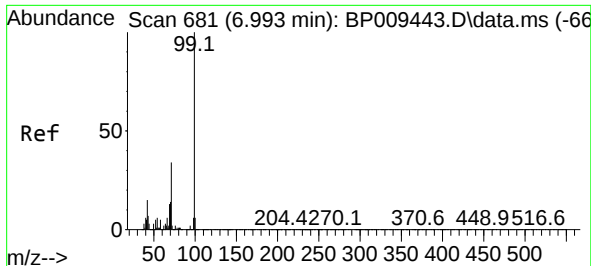
Tgt Ion:152 Resp: 307707
Ion Ratio Lower Upper
152 100
150 154.2 124.5 186.7
115 58.8 48.2 72.4



#5
2-Fluorophenol
Concen: 12.809 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.006 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

Tgt Ion:112 Resp: 225747
Ion Ratio Lower Upper
112 100
64 53.9 45.0 67.4
63 27.6 23.0 34.6

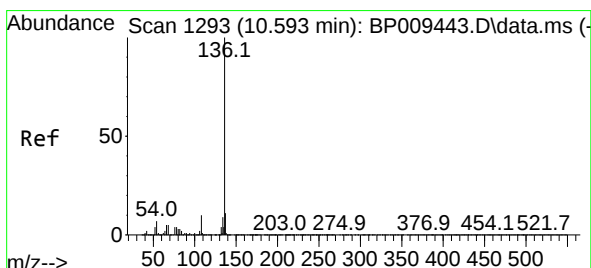
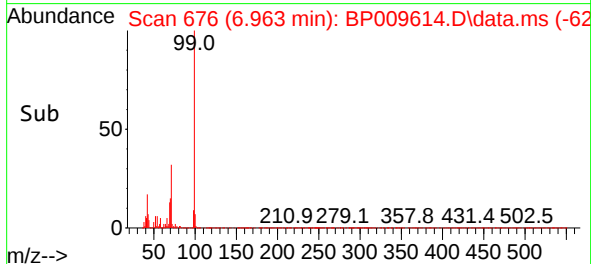
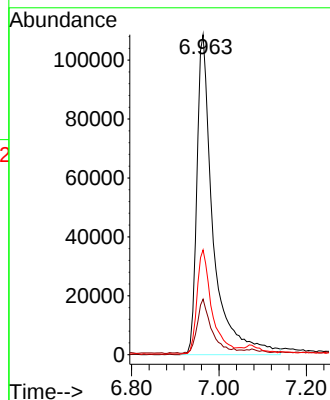
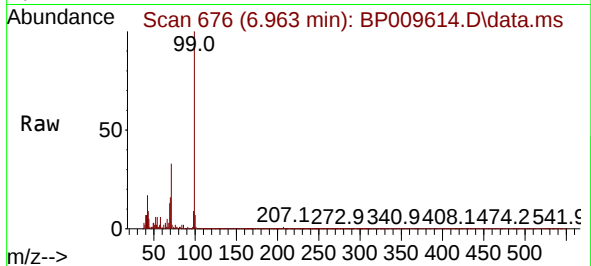




#7
Phenol-d6
Concen: 11.771 ng
RT: 6.963 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

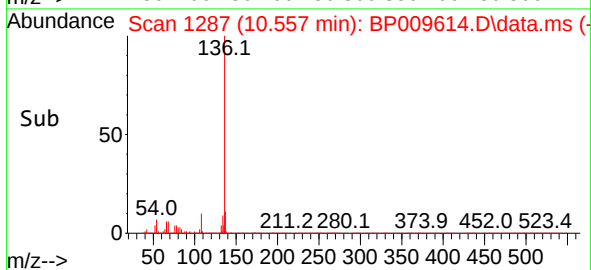
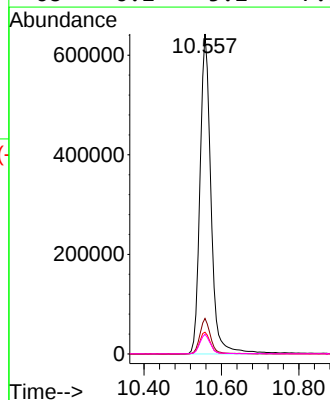
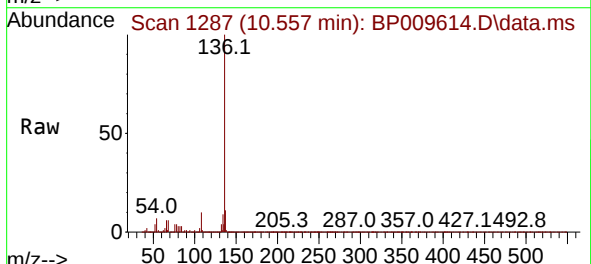
Instrument :
BNA_P
ClientSampleId :
SB-09-3.0-4.0

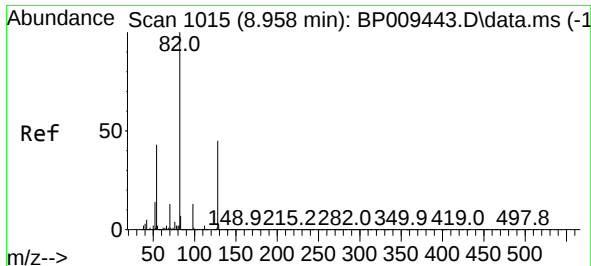
Tgt Ion: 99 Resp: 280548
Ion Ratio Lower Upper
99 100
42 17.3 12.8 19.2
71 32.8 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

Tgt Ion: 136 Resp: 1265473
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.8 5.8 8.8
68 6.2 5.2 7.8





#23

Nitrobenzene-d5

Concen: 7.067 ng

RT: 8.928 min Scan# 1010

Delta R.T. 0.006 min

Lab File: BP009614.D

Acq: 30 Mar 2022 02:21

Instrument :

BNA_P

ClientSampleId :

SB-09-3.0-4.0

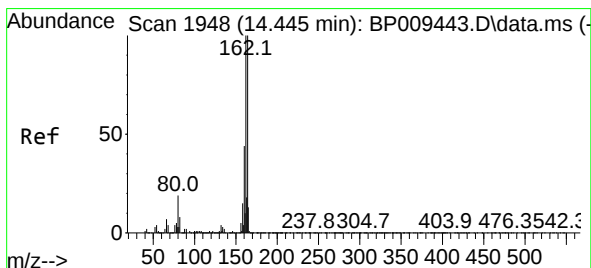
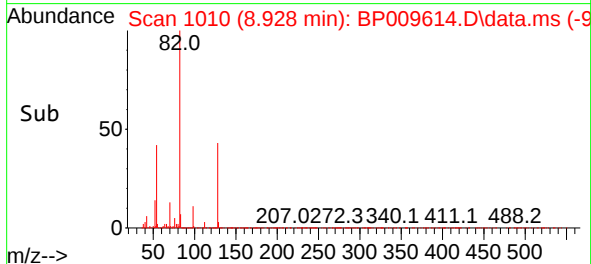
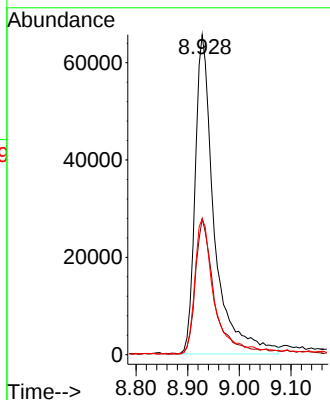
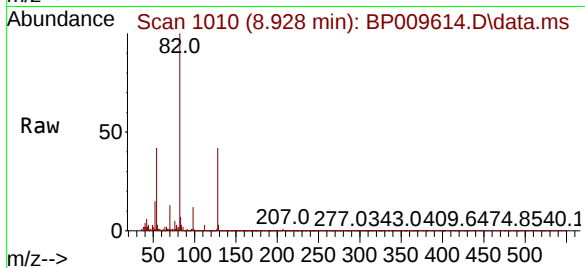
Tgt Ion: 82 Resp: 168282

Ion Ratio Lower Upper

82 100

128 42.5 34.2 51.4

54 42.4 34.7 52.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1942

Delta R.T. 0.000 min

Lab File: BP009614.D

Acq: 30 Mar 2022 02:21

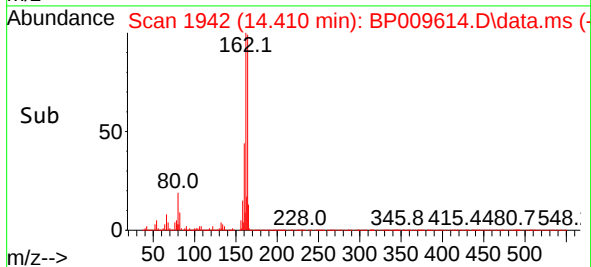
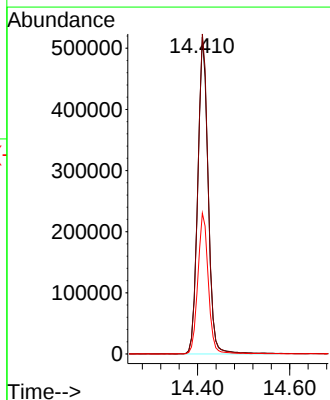
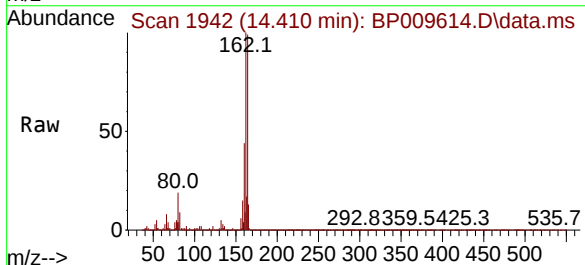
Tgt Ion: 164 Resp: 809716

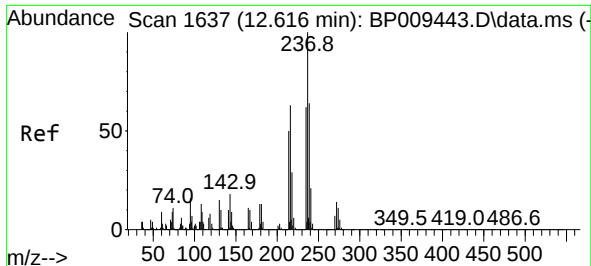
Ion Ratio Lower Upper

164 100

162 101.0 79.1 118.7

160 44.4 34.9 52.3

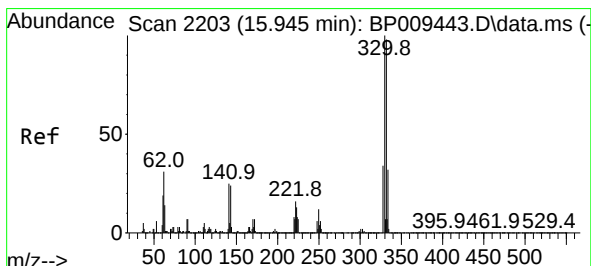
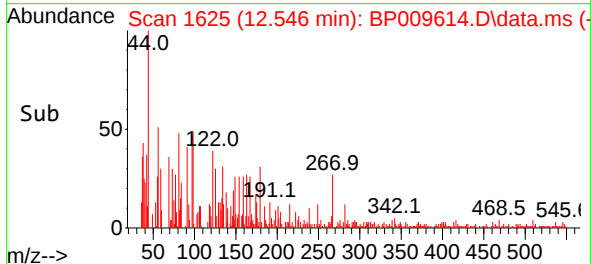
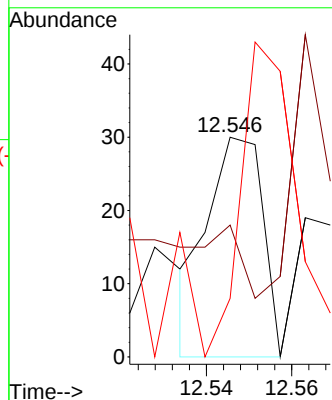
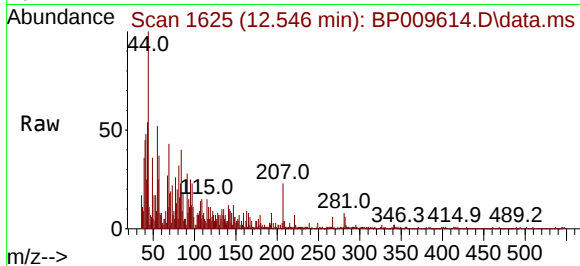




#41
Hexachlorocyclopentadiene
Concen: 7.290 ng
RT: 12.546 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

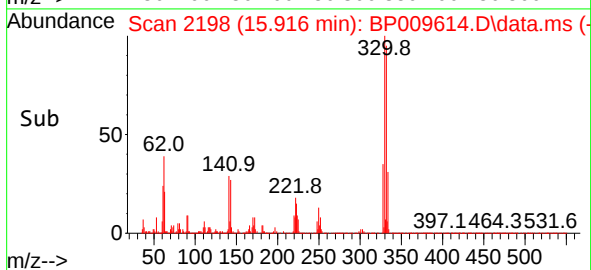
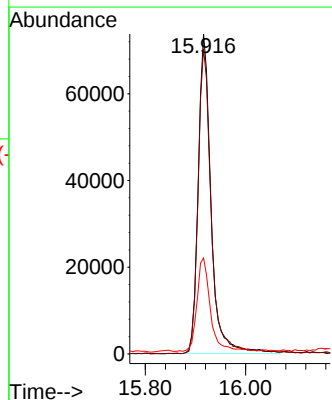
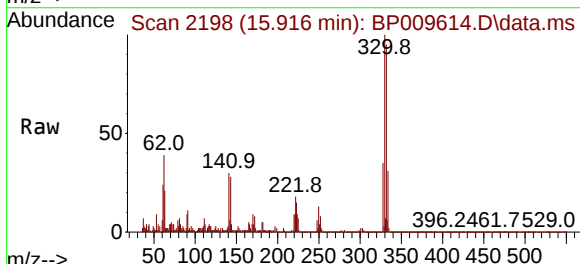
Instrument :
BNA_P
ClientSampleId :
SB-09-3.0-4.0

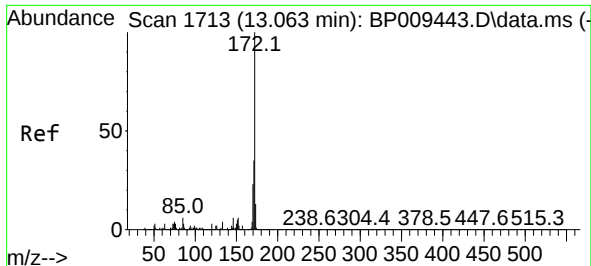
Tgt Ion:237	Resp:	27
Ion	Ratio	Lower Upper
237	100	
235	60.0	42.6 82.6
272	26.7	0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 9.835 ng
RT: 15.916 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

Tgt Ion:330	Resp:	131410
Ion	Ratio	Lower Upper
330	100	
332	96.0	77.0 115.6
141	30.6	27.6 41.4

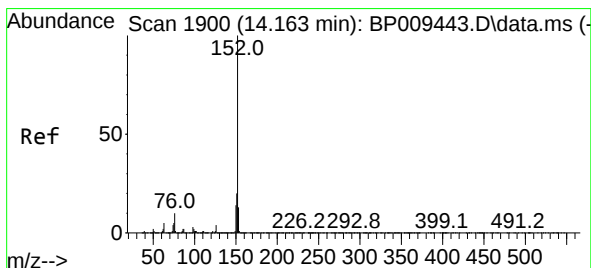
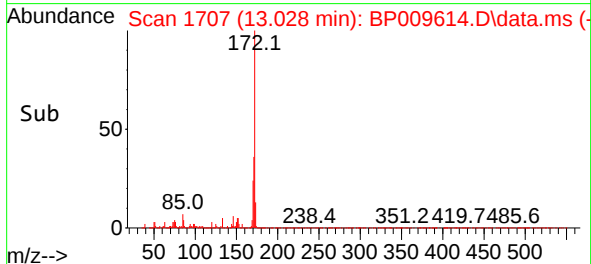
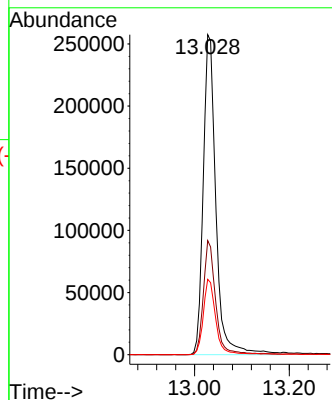
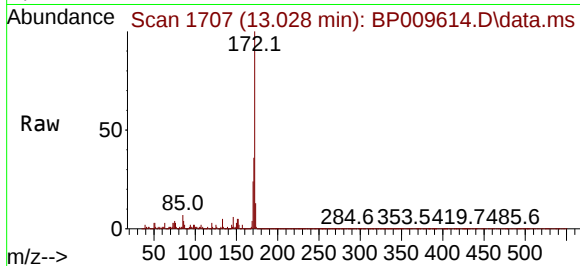




#45
2-Fluorobiphenyl
Concen: 8.188 ng
RT: 13.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

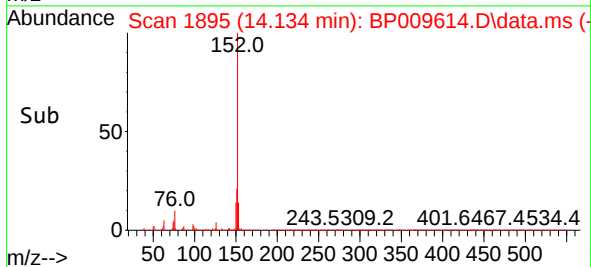
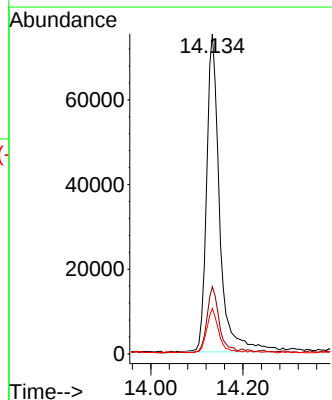
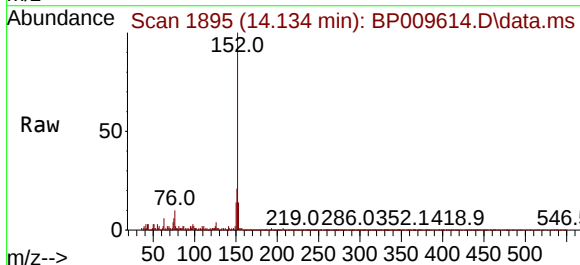
Instrument :
BNA_P
ClientSampleId :
SB-09-3.0-4.0

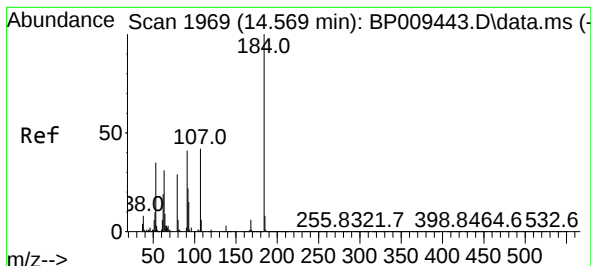
Tgt Ion:172 Resp: 478267
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 23.5 18.6 27.8



#49
Acenaphthylene
Concen: 2.029 ng
RT: 14.134 min Scan# 1895
Delta R.T. 0.000 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

Tgt Ion:152 Resp: 148981
Ion Ratio Lower Upper
152 100
151 21.0 15.9 23.9
153 14.2 10.7 16.1

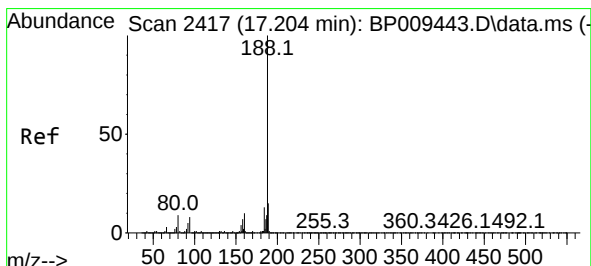
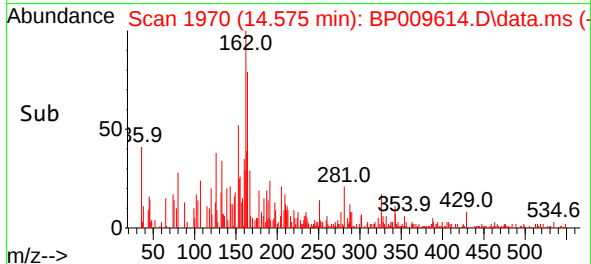
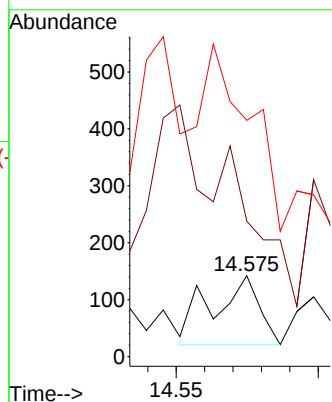
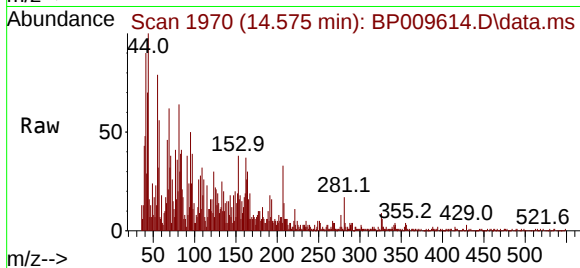




#54
2,4-Dinitrophenol
Concen: 4.549 ng
RT: 14.575 min Scan# 1969
Delta R.T. 0.024 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

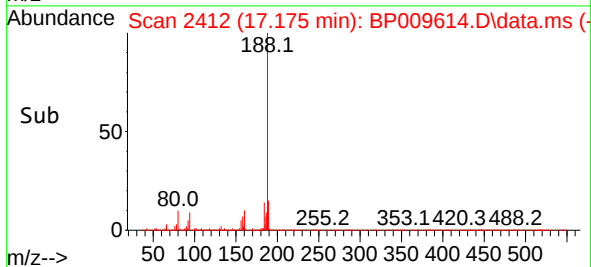
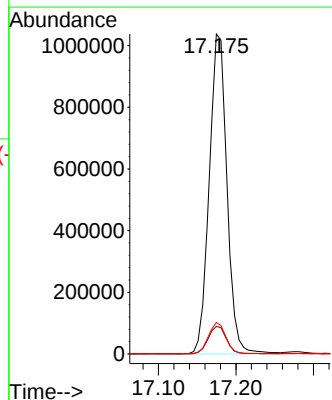
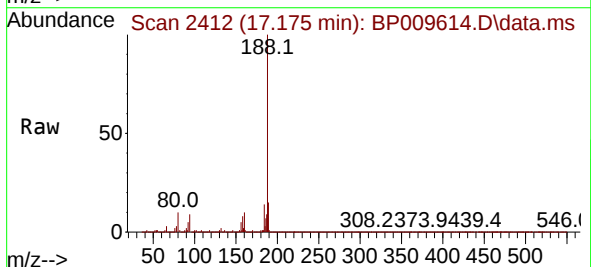
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BNA_P
ClientSampleId :
SB-09-3.0-4.0

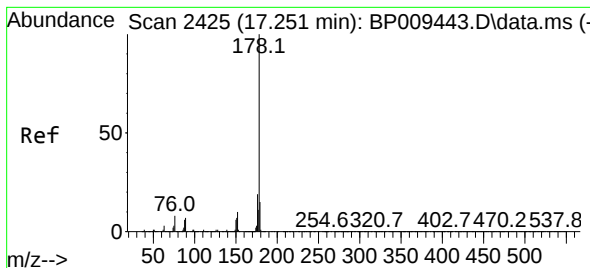
Tgt Ion:184 Resp: 139
Ion Ratio Lower Upper
184 100
63 167.6 46.3 69.5#
154 292.3 45.8 68.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

Tgt Ion:188 Resp: 1654104
Ion Ratio Lower Upper
188 100
94 8.6 7.9 11.9
80 9.9 8.8 13.2





#71

Phenanthrene

Concen: 2.761 ng

RT: 17.222 min Scan# 2425

Delta R.T. 0.006 min

Lab File: BP009614.D

Acq: 30 Mar 2022 02:21

Instrument :

BNA_P

ClientSampleId :

SB-09-3.0-4.0

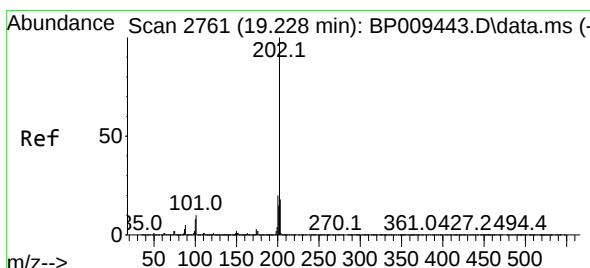
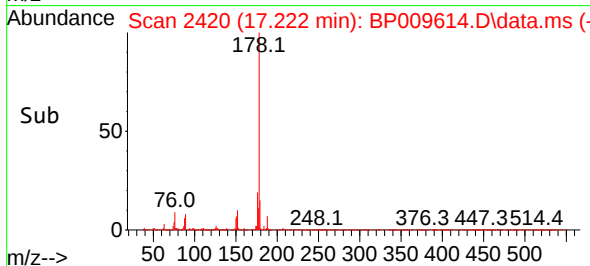
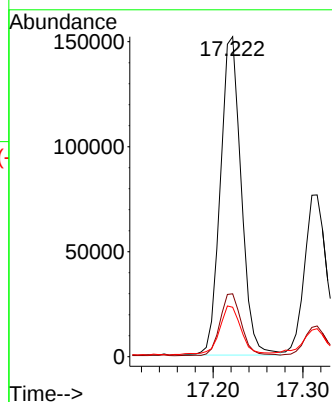
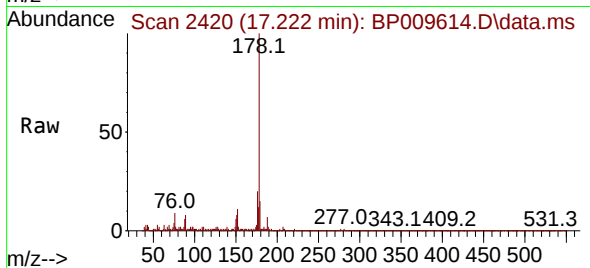
Tgt Ion:178 Resp: 244502

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

179 15.5 12.3 18.5



#75

Fluoranthene

Concen: 6.146 ng

RT: 19.204 min Scan# 2757

Delta R.T. 0.000 min

Lab File: BP009614.D

Acq: 30 Mar 2022 02:21

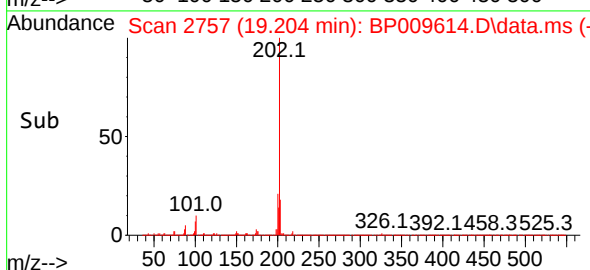
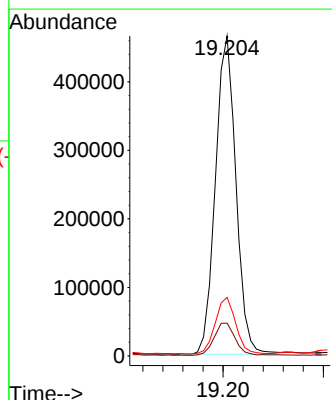
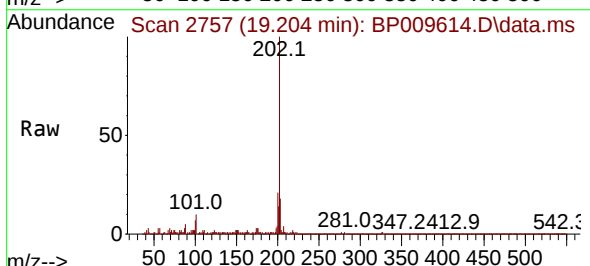
Tgt Ion:202 Resp: 658832

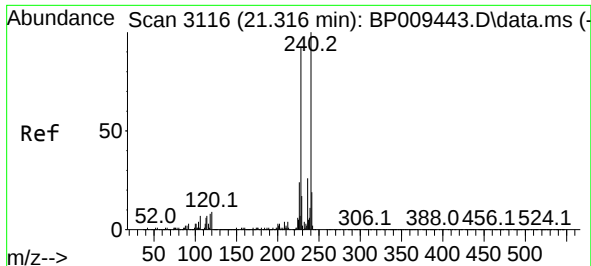
Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.5

203 18.3 0.0 37.8

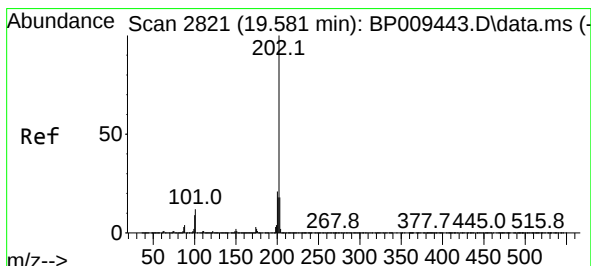
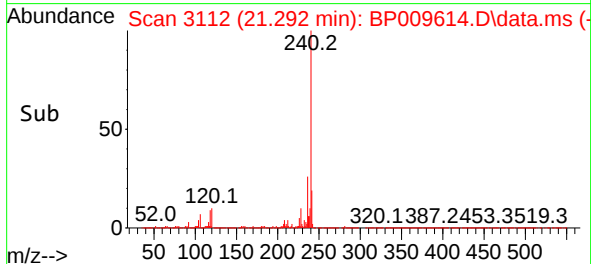
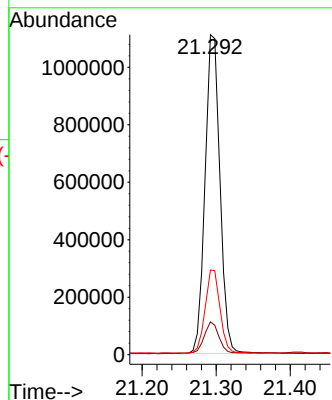
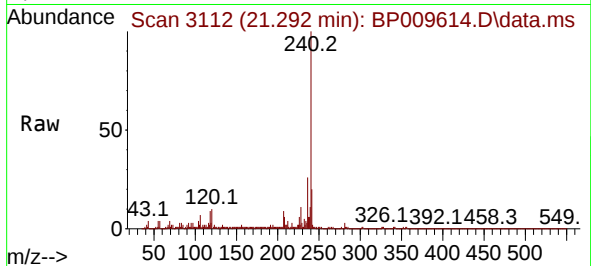




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

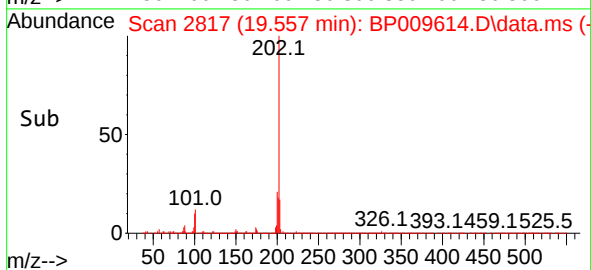
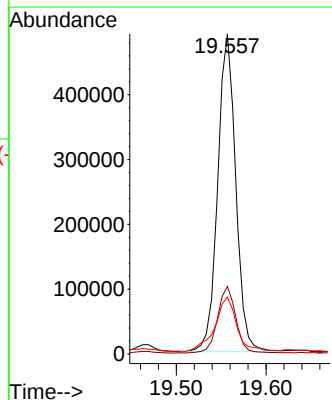
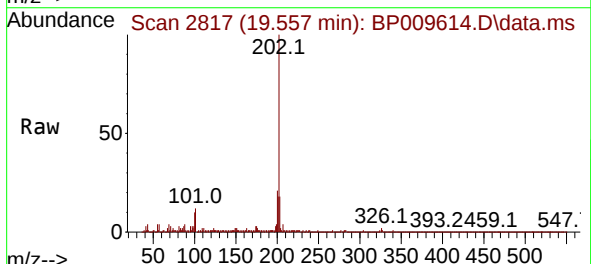
Instrument :
BNA_P
ClientSampleId :
SB-09-3.0-4.0

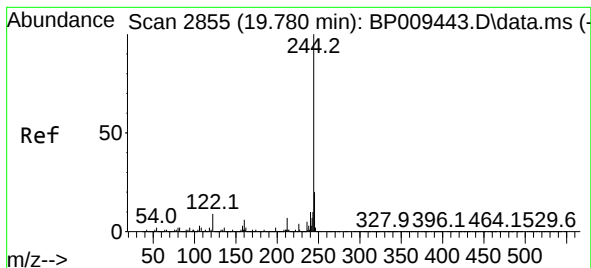
Tgt Ion:240 Resp: 1553845
Ion Ratio Lower Upper
240 100
120 10.2 9.0 13.4
236 26.4 20.6 30.8



#78
Pyrene
Concen: 6.702 ng
RT: 19.557 min Scan# 2817
Delta R.T. 0.000 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

Tgt Ion:202 Resp: 686201
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 8.654 ng

RT: 19.757 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP009614.D

Acq: 30 Mar 2022 02:21

Instrument :

BNA_P

ClientSampleId :

SB-09-3.0-4.0

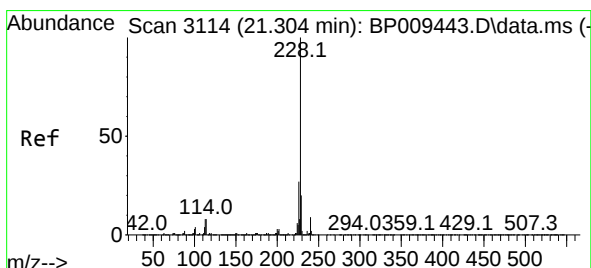
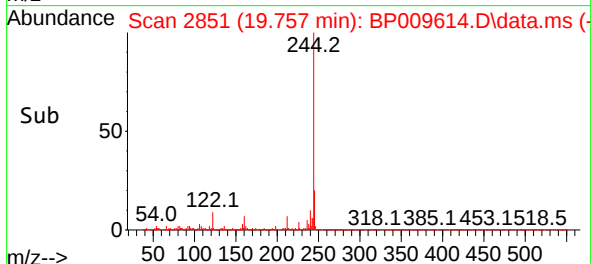
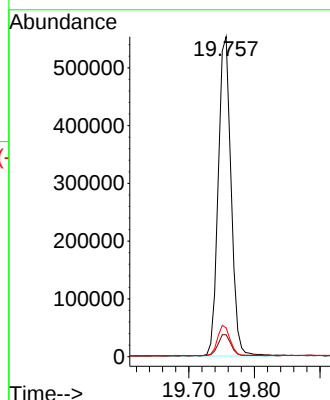
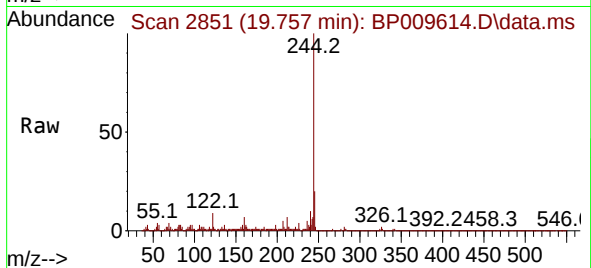
Tgt Ion:244 Resp: 749153

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 9.0 8.3 12.5



#81

Benzo(a)anthracene

Concen: 3.999 ng

RT: 21.280 min Scan# 3110

Delta R.T. 0.000 min

Lab File: BP009614.D

Acq: 30 Mar 2022 02:21

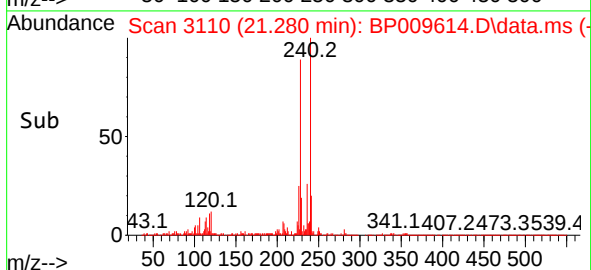
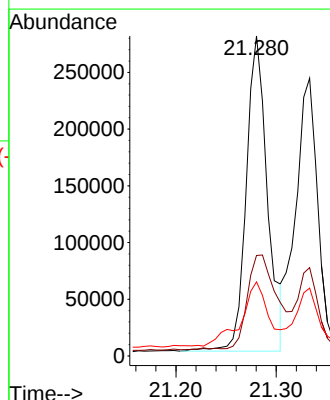
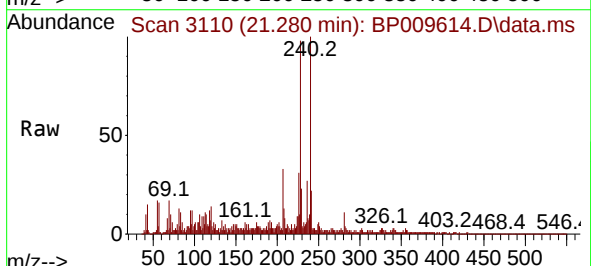
Tgt Ion:228 Resp: 408269

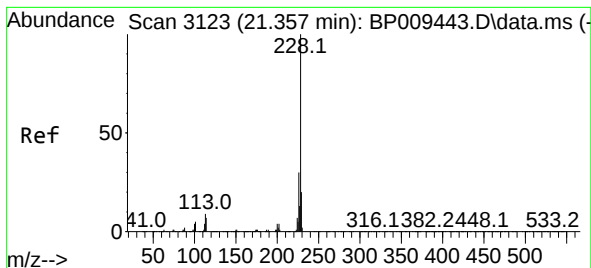
Ion Ratio Lower Upper

228 100

226 31.4 22.0 33.0

229 23.2 16.1 24.1





#83

Chrysene

Concen: 4.223 ng

RT: 21.280 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP009614.D

Acq: 30 Mar 2022 02:21

Instrument :

BNA_P

ClientSampleId :

SB-09-3.0-4.0

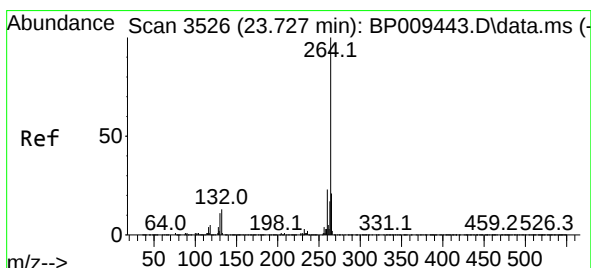
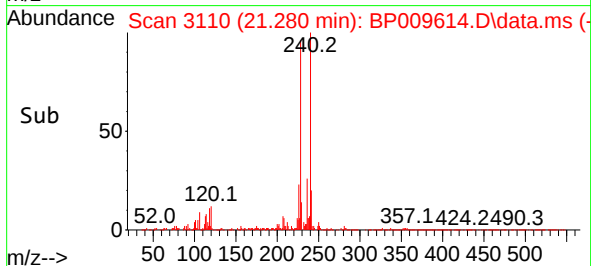
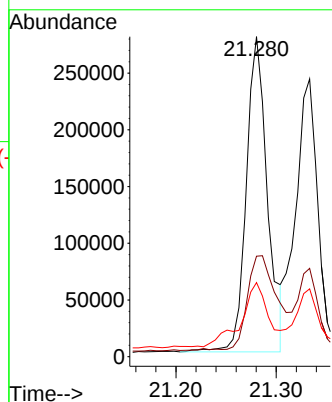
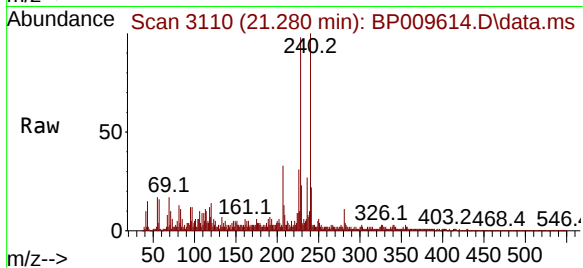
Tgt Ion:228 Resp: 408269

Ion Ratio Lower Upper

228 100

226 31.4 24.2 36.2

229 23.2 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.692 min Scan# 3520

Delta R.T. 0.006 min

Lab File: BP009614.D

Acq: 30 Mar 2022 02:21

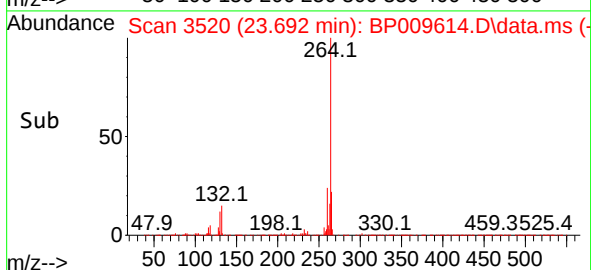
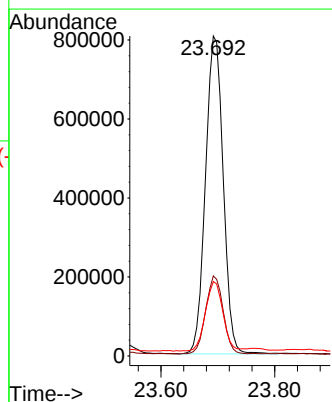
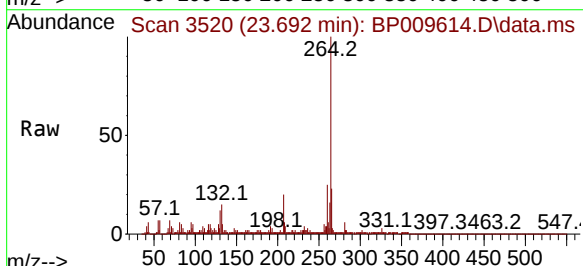
Tgt Ion:264 Resp: 1741954

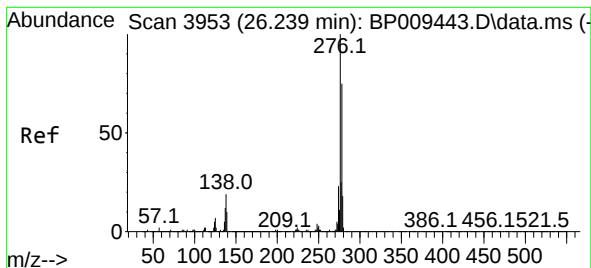
Ion Ratio Lower Upper

264 100

260 25.0 19.4 29.0

265 23.3 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.930 ng

RT: 26.192 min Scan# 3945

Delta R.T. 0.012 min

Lab File: BP009614.D

Acq: 30 Mar 2022 02:21

Instrument :

BNA_P

ClientSampleId :

SB-09-3.0-4.0

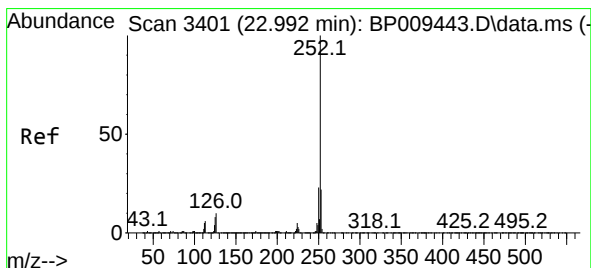
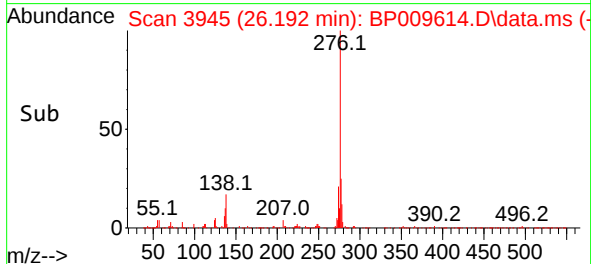
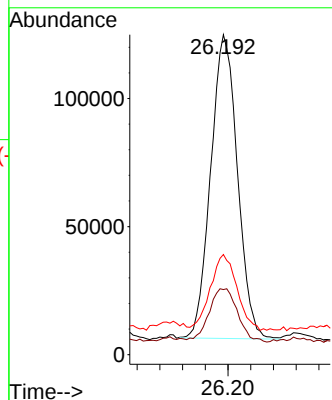
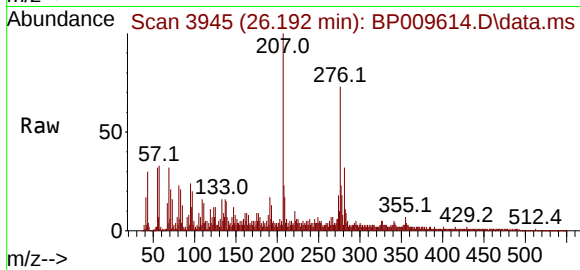
Tgt Ion:276 Resp: 387226

Ion Ratio Lower Upper

276 100

138 18.9 20.5 30.7#

277 24.8 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 7.561 ng

RT: 22.963 min Scan# 3396

Delta R.T. 0.000 min

Lab File: BP009614.D

Acq: 30 Mar 2022 02:21

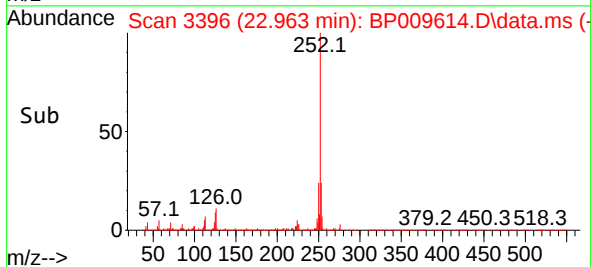
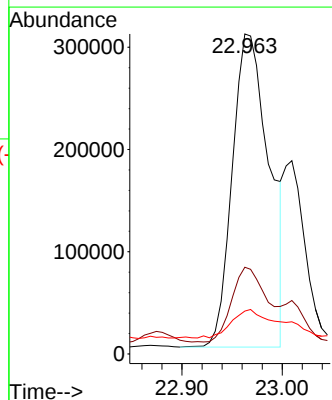
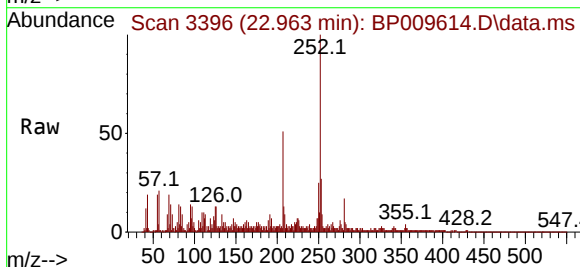
Tgt Ion:252 Resp: 786253

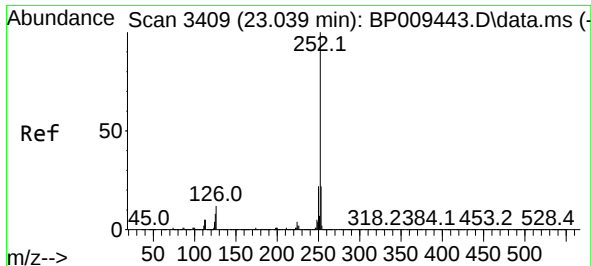
Ion Ratio Lower Upper

252 100

253 27.1 17.8 26.8#

125 13.4 8.1 12.1#

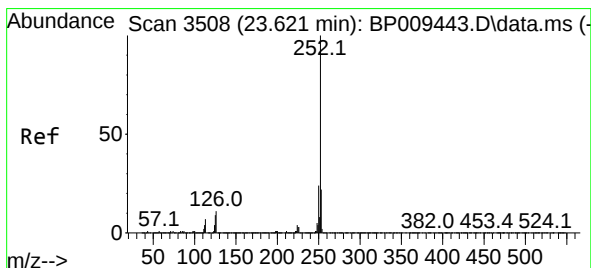
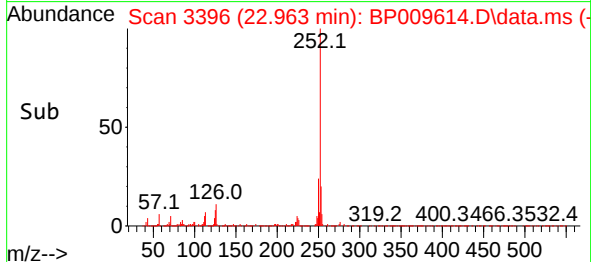
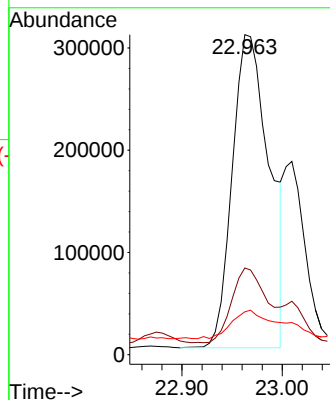
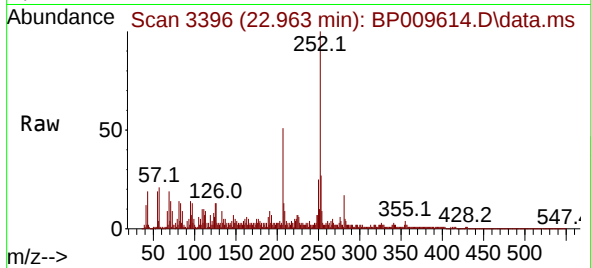




#89
Benzo(k)fluoranthene
Concen: 7.722 ng
RT: 22.963 min Scan# 31
Delta R.T. -0.041 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

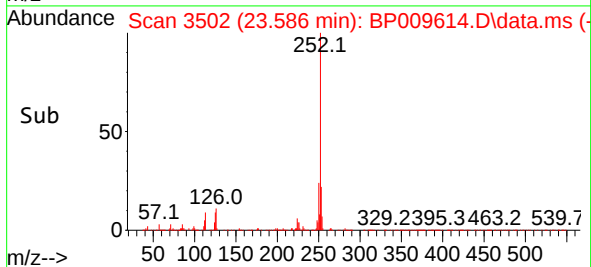
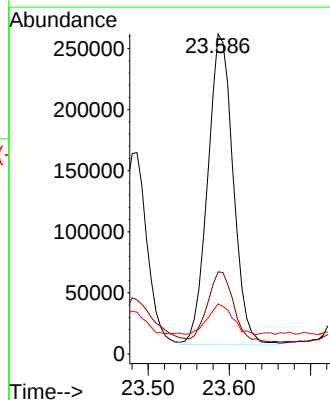
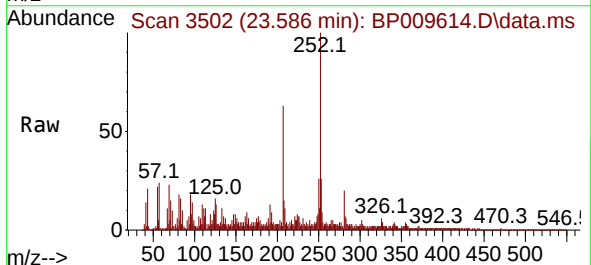
Instrument :
BNA_P
ClientSampleId :
SB-09-3.0-4.0

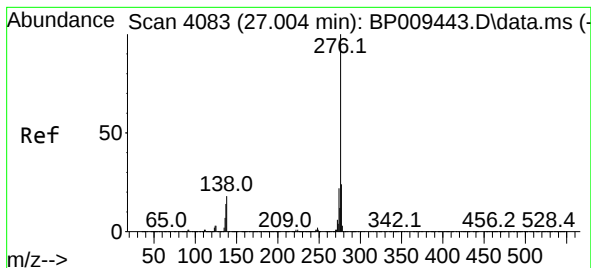
Tgt Ion:252 Resp: 786253
Ion Ratio Lower Upper
252 100
253 27.1 17.5 26.3#
125 13.4 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 6.233 ng
RT: 23.586 min Scan# 3502
Delta R.T. 0.006 min
Lab File: BP009614.D
Acq: 30 Mar 2022 02:21

Tgt Ion:252 Resp: 554585
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.6
125 15.6 9.3 13.9#





#92

Benzo(g,h,i)perylene

Concen: 3.723 ng

RT: 26.957 min Scan# 40

Delta R.T. 0.012 min

Lab File: BP009614.D

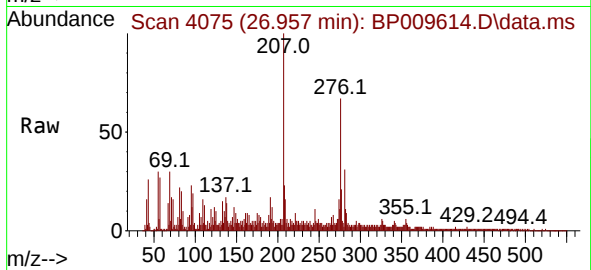
Acq: 30 Mar 2022 02:21

Instrument :

BNA_P

ClientSampleId :

SB-09-3.0-4.0



Tgt Ion: 276 Resp: 403453

Ion Ratio Lower Upper

276 100

277 31.5 19.2 28.8#

138 21.0 18.0 27.0

