

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
 Data File : BP009620.D
 Acq On : 30 Mar 2022 15:59
 Operator : CG/JU
 Sample : N2150-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 337

Quant Time: Mar 31 04:40:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

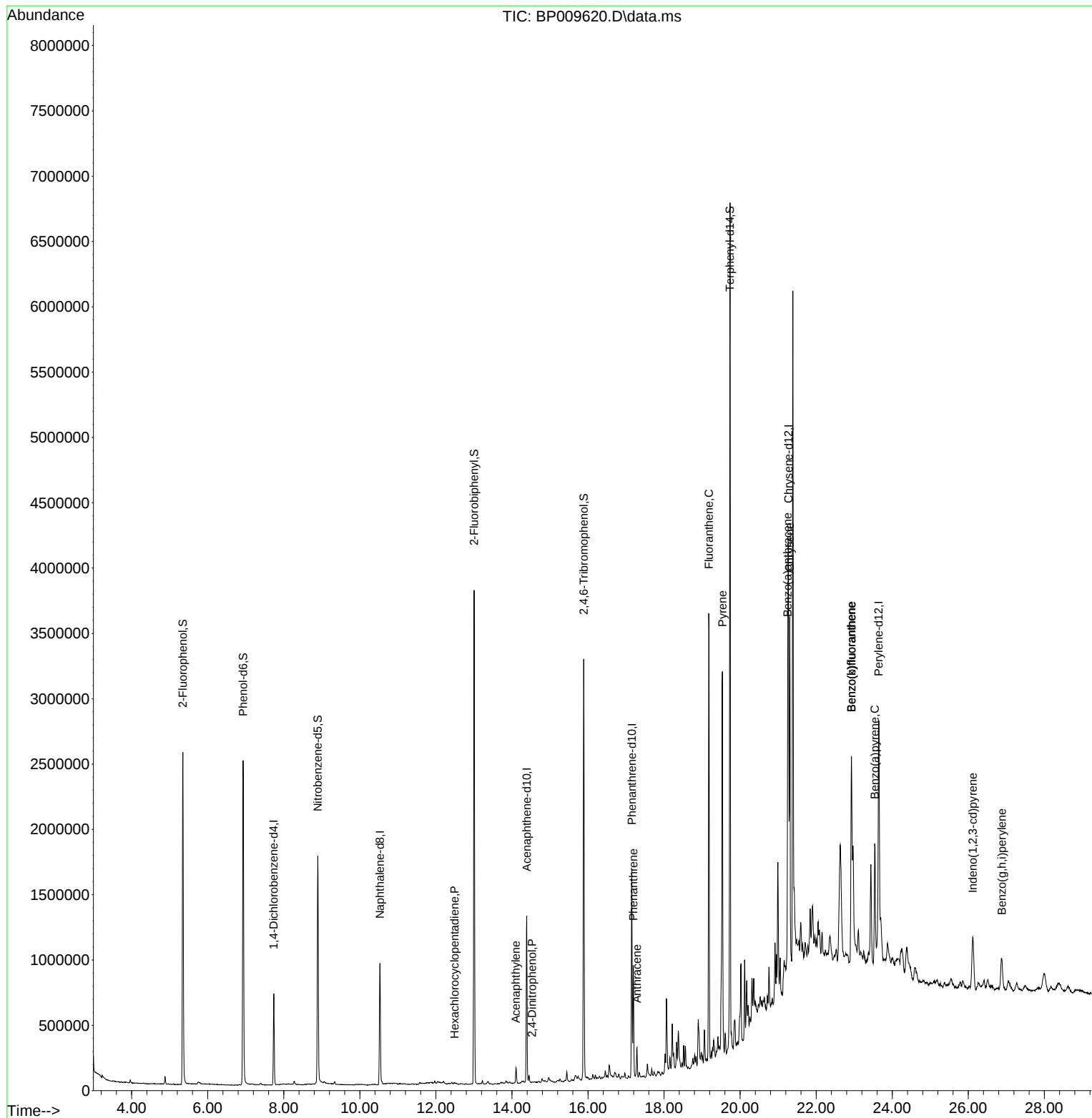
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	218129	20.000	ng	0.00
21) Naphthalene-d8	10.528	136	861245	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	489899	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1019542	20.000	ng	0.00
76) Chrysene-d12	21.269	240	1283258	20.000	ng	0.00
86) Perylene-d12	23.645	264	1396688	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1329473	106.413	ng	0.00
7) Phenol-d6	6.928	99	1718164	101.692	ng	0.00
23) Nitrobenzene-d5	8.893	82	1143368	70.548	ng	0.00
42) 2,4,6-Tribromophenol	15.887	330	804641	99.533	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	2157267	61.045	ng	0.00
79) Terphenyl-d14	19.733	244	3386597	47.368	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.887	77	2152	Below Cal		89
41) Hexachlorocyclopentadiene	12.487	237	13	7.290 ng		89
49) Acenaphthylene	14.104	152	101444	2.284 ng		100
54) 2,4-Dinitrophenol	14.528	184	29	4.538 ng	#	1
71) Phenanthrene	17.192	178	563124	10.318 ng		99
72) Anthracene	17.287	178	156657	2.907 ng		99
75) Fluoranthene	19.175	202	2202130	33.329 ng		98
78) Pyrene	19.534	202	2030766	24.015 ng		100
81) Benzo(a)anthracene	21.251	228	1225959	14.541 ng		99
83) Chrysene	21.304	228	1526670	19.123 ng		99
87) Indeno(1,2,3-cd)pyrene	26.116	276	414458	3.911 ng	#	91
88) Benzo(b)fluoranthene	22.927	252	1449878	17.389 ng		99
89) Benzo(k)fluoranthene	22.927	252	1449878	17.760 ng		98
90) Benzo(a)pyrene	23.539	252	760625	10.662 ng		97
92) Benzo(g,h,i)perylene	26.880	276	380488	4.380 ng	#	93

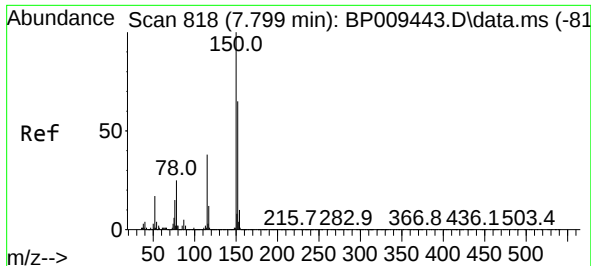
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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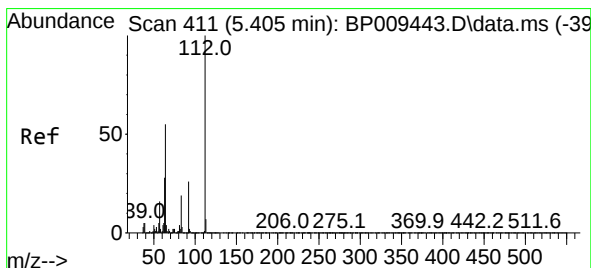
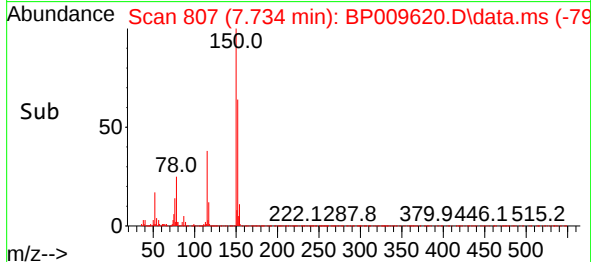
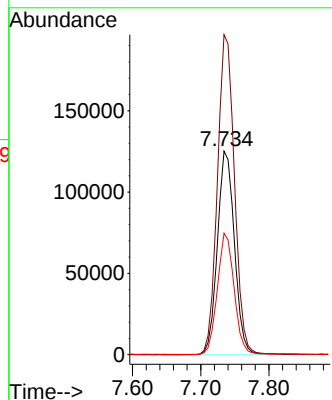
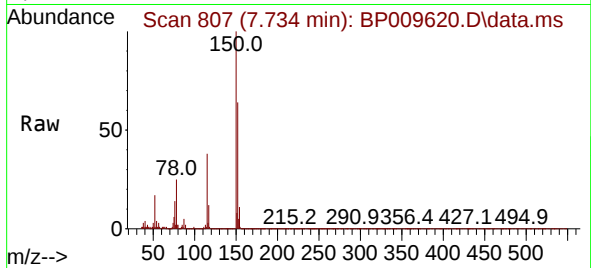




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

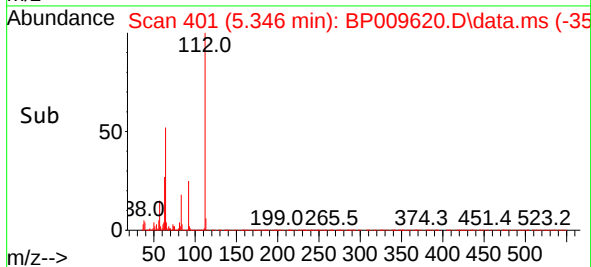
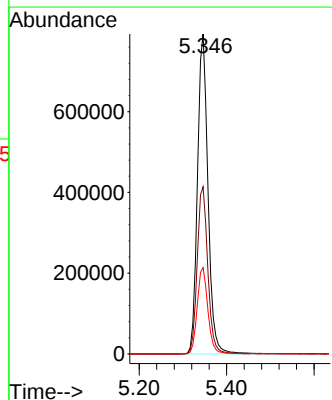
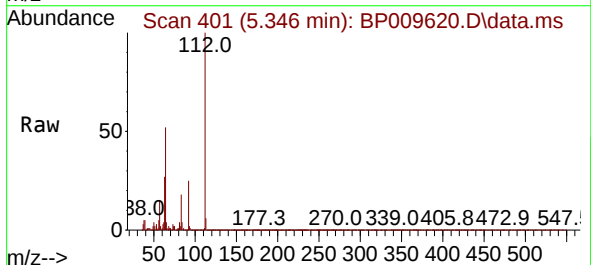
Instrument :
BNA_P
ClientSampleId :
337

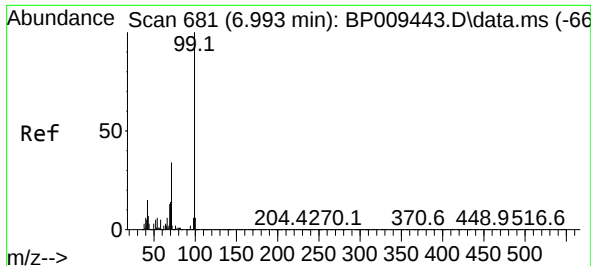
Tgt Ion:152 Resp: 218129
Ion Ratio Lower Upper
152 100
150 157.2 124.5 186.7
115 59.7 48.2 72.4



#5
2-Fluorophenol
Concen: 106.413 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Tgt Ion:112 Resp: 1329473
Ion Ratio Lower Upper
112 100
64 52.3 45.0 67.4
63 27.0 23.0 34.6

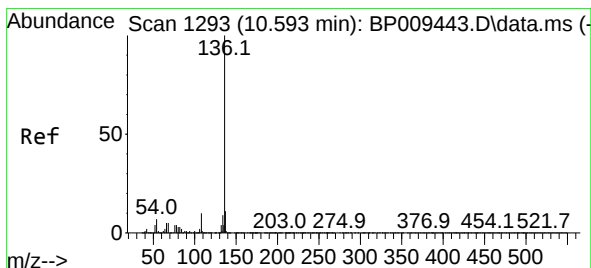
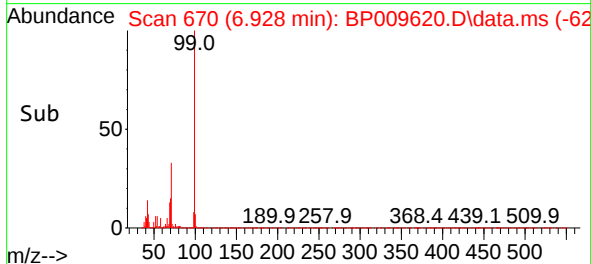
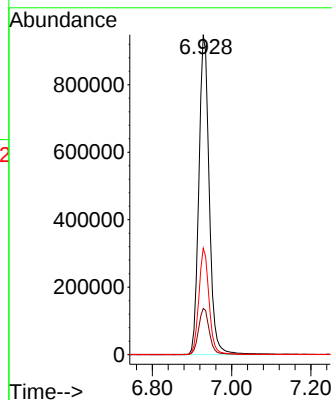
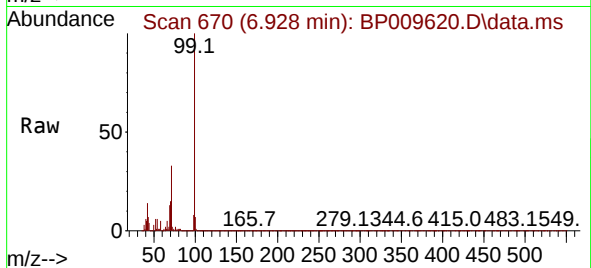




#7
Phenol-d6
Concen: 101.692 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

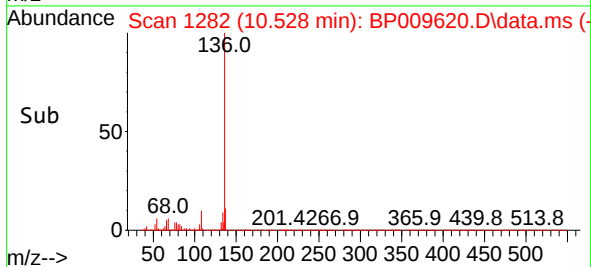
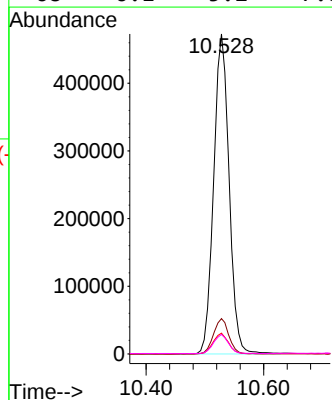
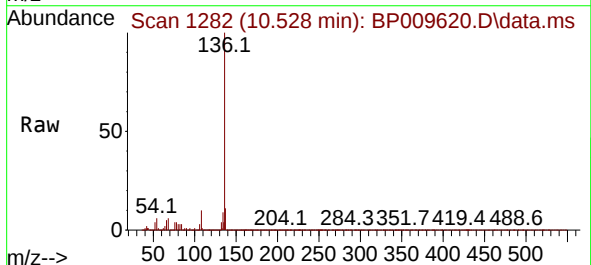
Instrument :
BNA_P
ClientSampleId :
337

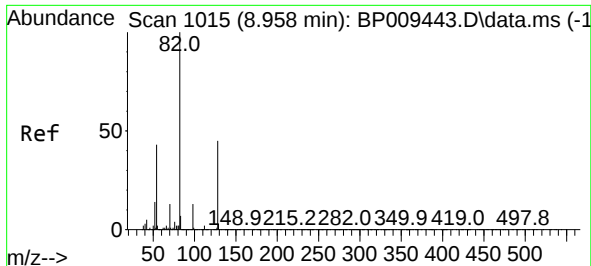
Tgt Ion: 99 Resp: 1718164
Ion Ratio Lower Upper
99 100
42 14.5 12.8 19.2
71 33.3 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Tgt Ion: 136 Resp: 861245
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.5 5.8 8.8
68 6.1 5.2 7.8

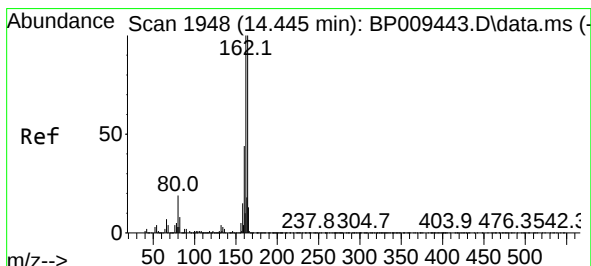
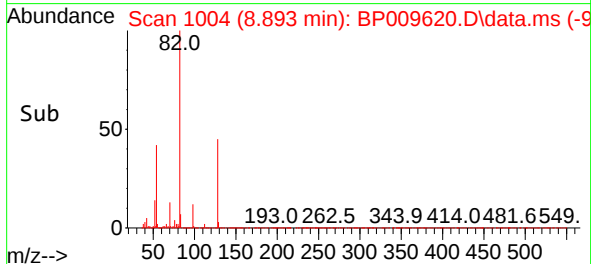
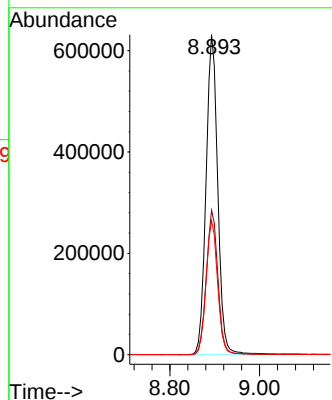
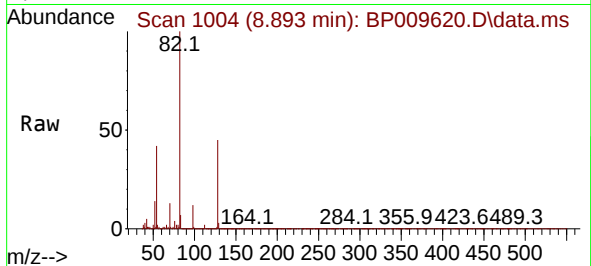




#23
Nitrobenzene-d5
Concen: 70.548 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

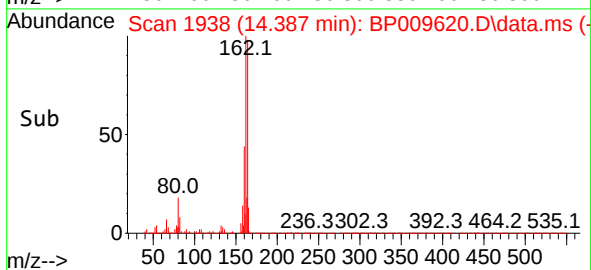
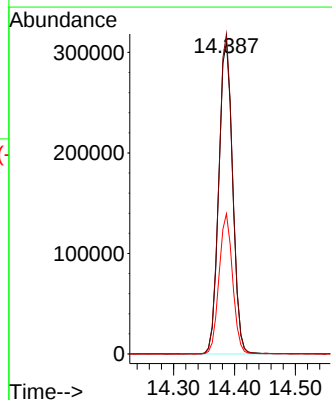
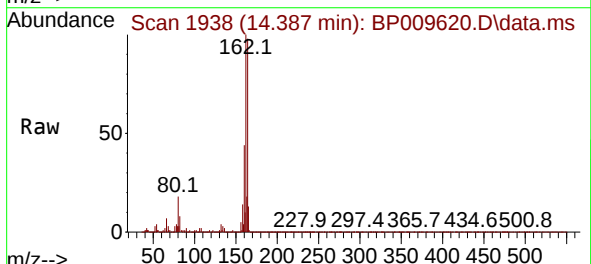
Instrument :
BNA_P
ClientSampleId :
337

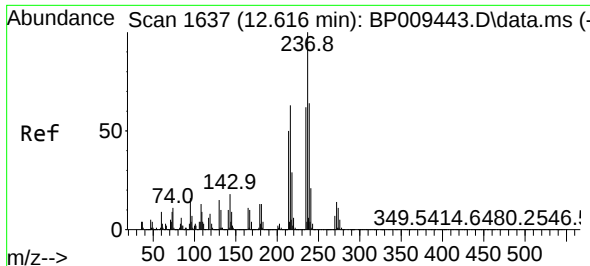
Tgt Ion: 82 Resp: 1143368
Ion Ratio Lower Upper
82 100
128 45.1 34.2 51.4
54 41.9 34.7 52.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Tgt Ion:164 Resp: 489899
Ion Ratio Lower Upper
164 100
162 102.5 79.1 118.7
160 44.9 34.9 52.3

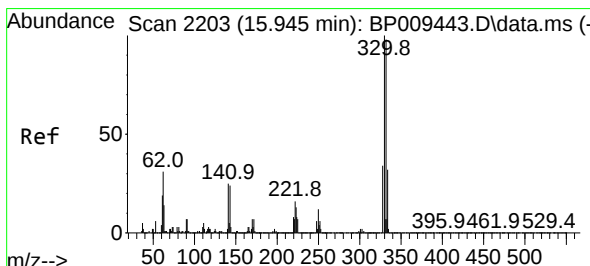
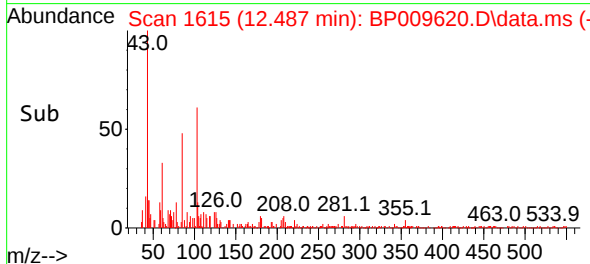
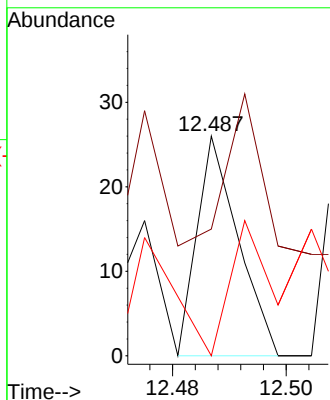
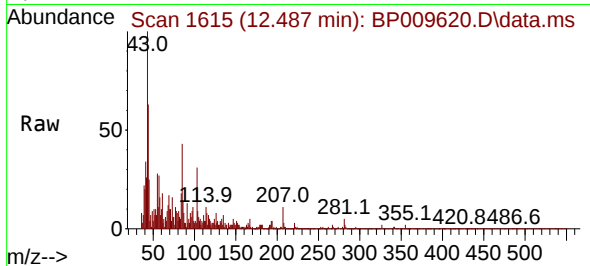




#41
Hexachlorocyclopentadiene
Concen: 7.290 ng
RT: 12.487 min Scan# 1
Delta R.T. -0.070 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

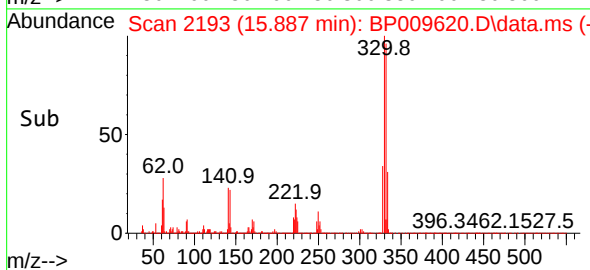
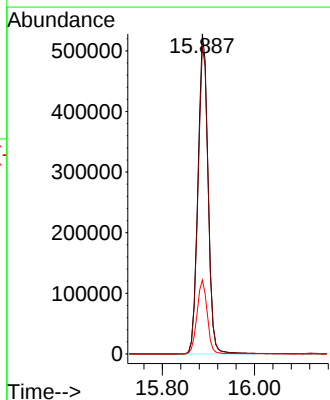
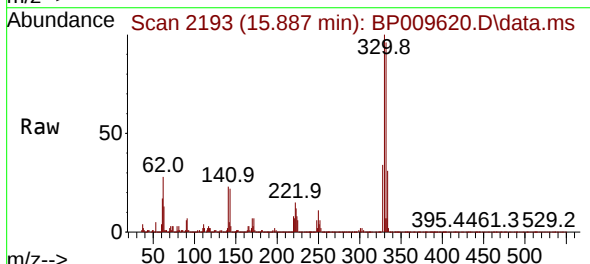
Instrument :
BNA_P
ClientSampleId :
337

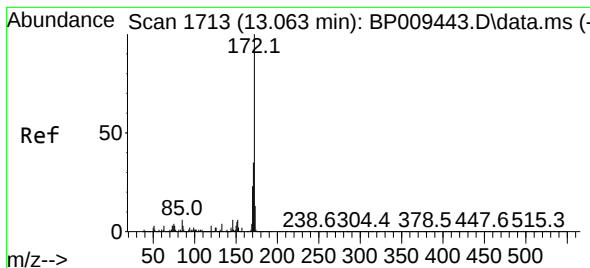
Tgt Ion:	237	Resp:	13
Ion	Ratio	Lower	Upper
237	100		
235	57.7	42.6	82.6
272	0.0	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 99.533 ng
RT: 15.887 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Tgt Ion:	330	Resp:	804641
Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	23.0	27.6	41.4





#45

2-Fluorobiphenyl

Concen: 61.045 ng

RT: 13.004 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP009620.D

Acq: 30 Mar 2022 15:59

Instrument :

BNA_P

ClientSampleId :

337

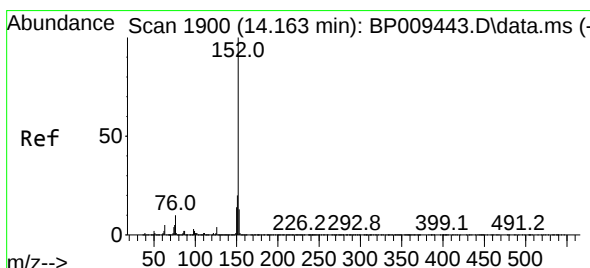
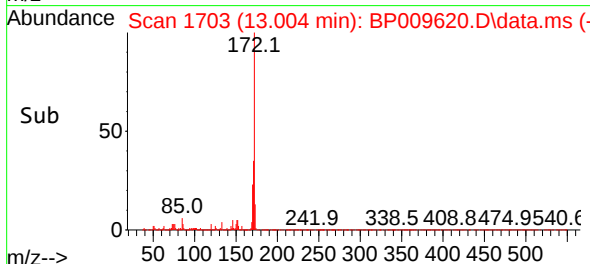
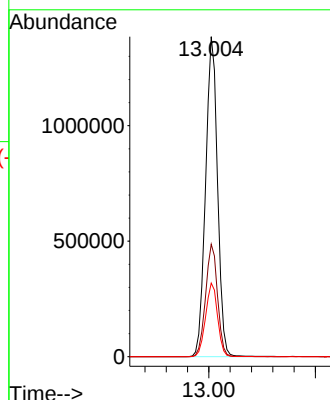
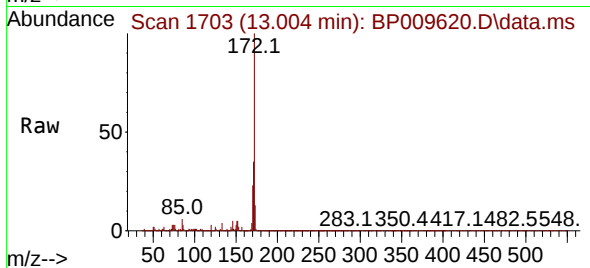
Tgt Ion:172 Resp: 2157267

Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

170 23.0 18.6 27.8



#49

Acenaphthylene

Concen: 2.284 ng

RT: 14.104 min Scan# 1890

Delta R.T. -0.006 min

Lab File: BP009620.D

Acq: 30 Mar 2022 15:59

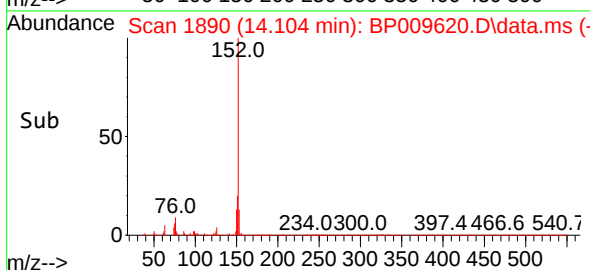
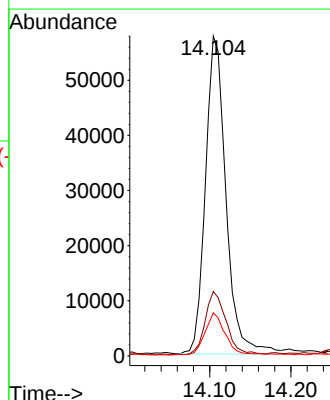
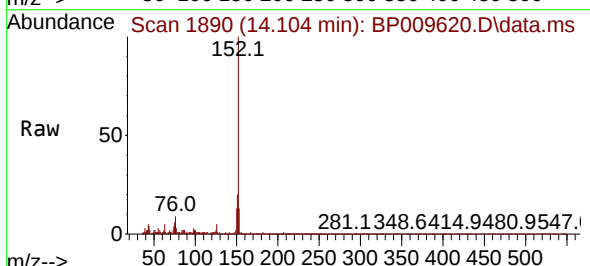
Tgt Ion:152 Resp: 101444

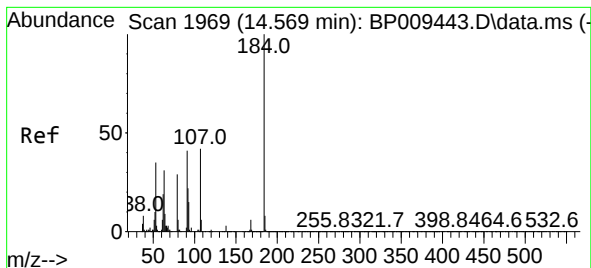
Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

153 13.5 10.7 16.1

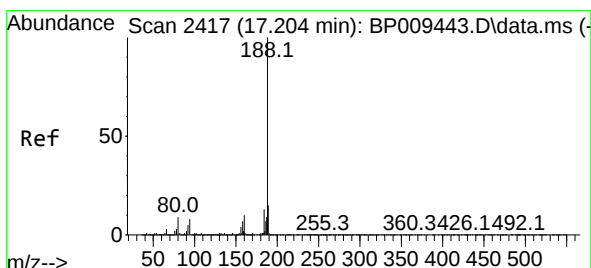
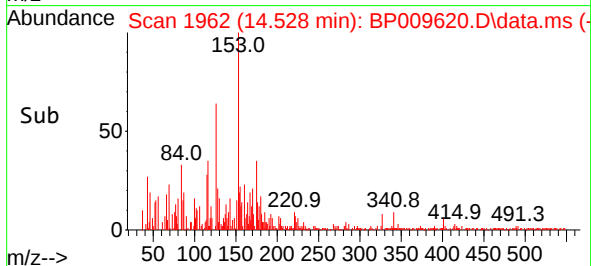
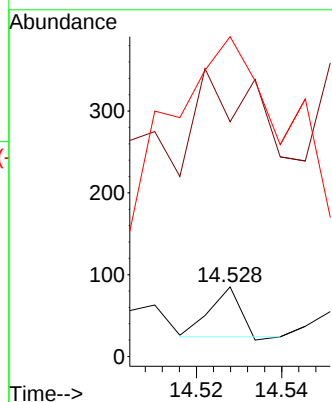
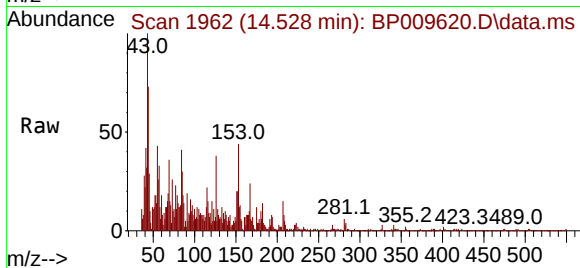




#54
2,4-Dinitrophenol
Concen: 4.538 ng
RT: 14.528 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

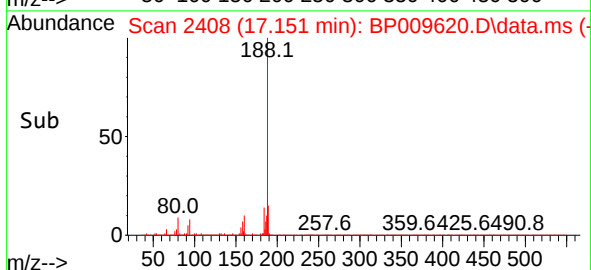
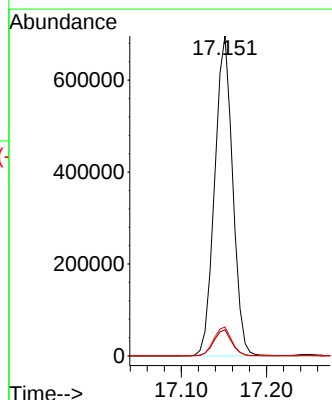
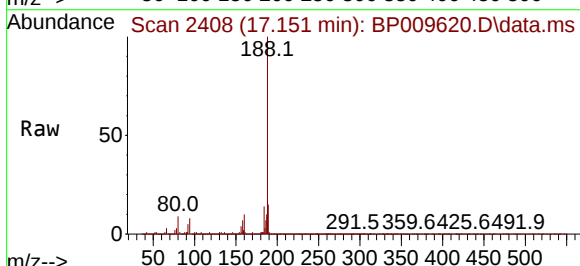
Instrument :
BNA_P
ClientSampleId :
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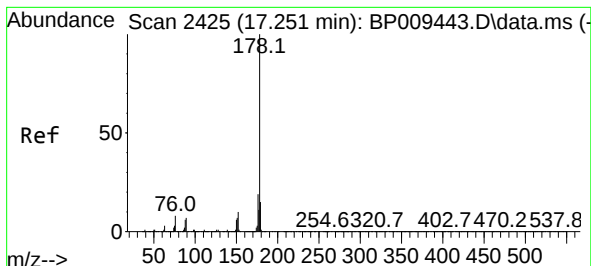
Tgt Ion:184 Resp: 29
Ion Ratio Lower Upper
184 100
63 337.6 46.3 69.5#
154 460.0 45.8 68.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Tgt Ion:188 Resp: 1019542
Ion Ratio Lower Upper
188 100
94 8.2 7.9 11.9
80 9.1 8.8 13.2





#71

Phenanthrene

Concen: 10.318 ng

RT: 17.192 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BP009620.D

Acq: 30 Mar 2022 15:59

Instrument :

BNA_P

ClientSampleId :

337

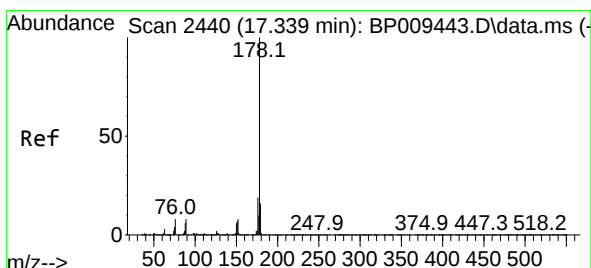
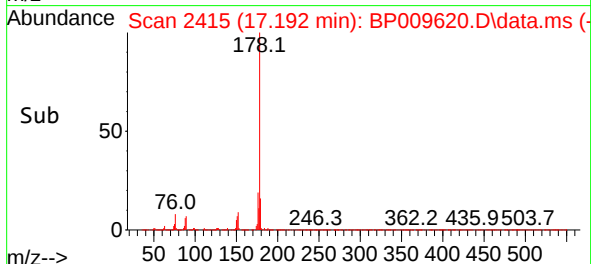
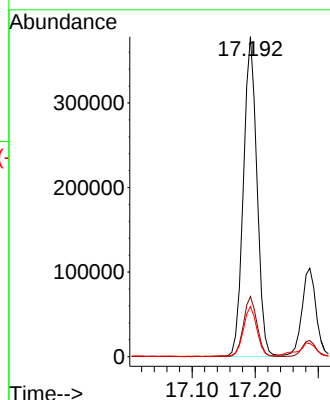
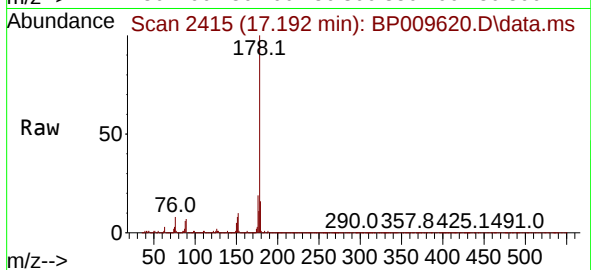
Tgt Ion:178 Resp: 563124

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.6 12.3 18.5



#72

Anthracene

Concen: 2.907 ng

RT: 17.287 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BP009620.D

Acq: 30 Mar 2022 15:59

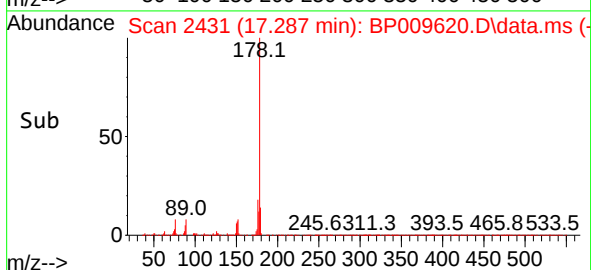
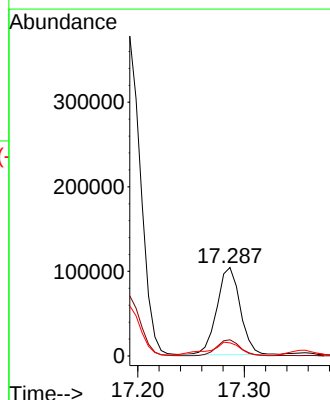
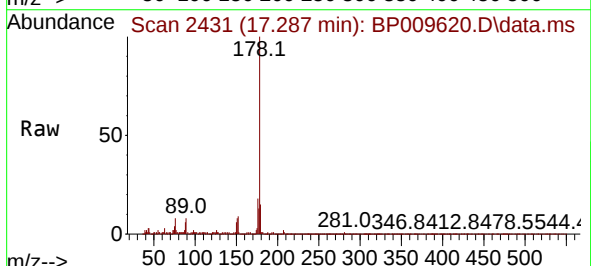
Tgt Ion:178 Resp: 156657

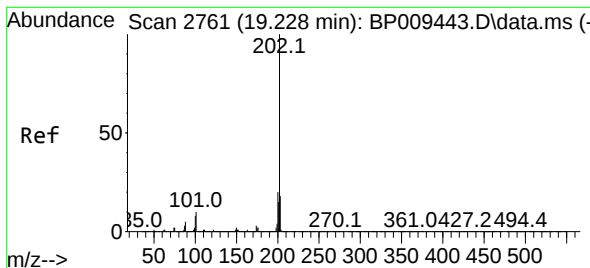
Ion Ratio Lower Upper

178 100

176 18.3 14.8 22.2

179 14.8 12.2 18.4





#75

Fluoranthene

Concen: 33.329 ng

RT: 19.175 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009620.D

Acq: 30 Mar 2022 15:59

Instrument :

BNA_P

ClientSampleId :

337

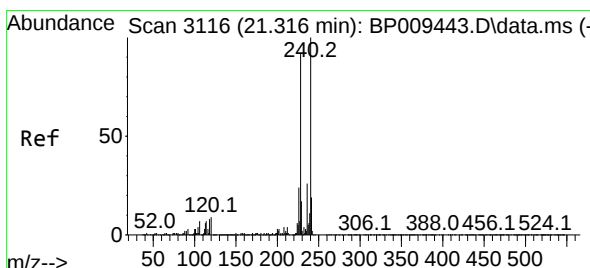
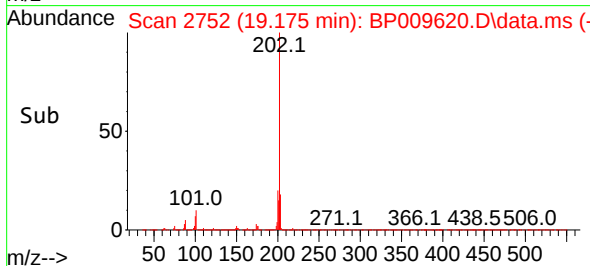
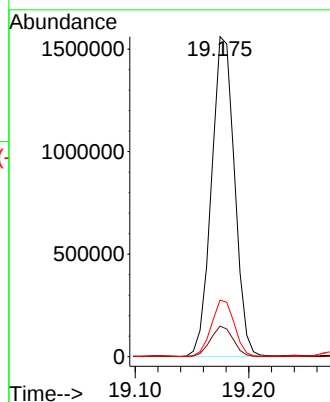
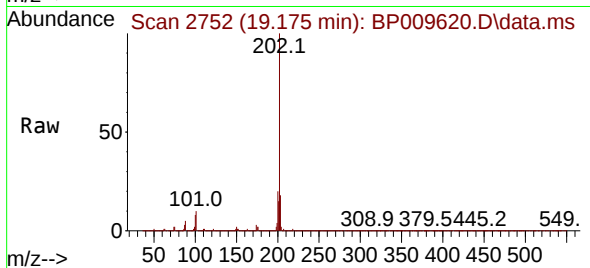
Tgt Ion:202 Resp: 2202130

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.5

203 17.7 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.269 min Scan# 3108

Delta R.T. -0.006 min

Lab File: BP009620.D

Acq: 30 Mar 2022 15:59

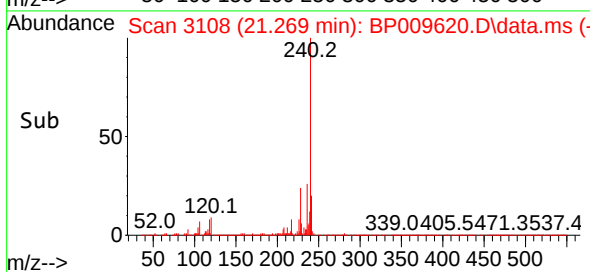
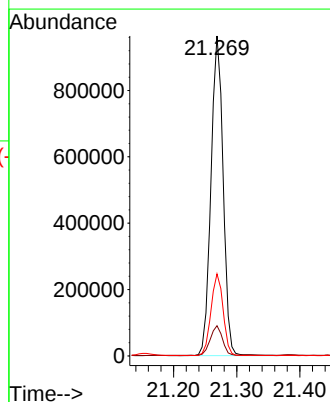
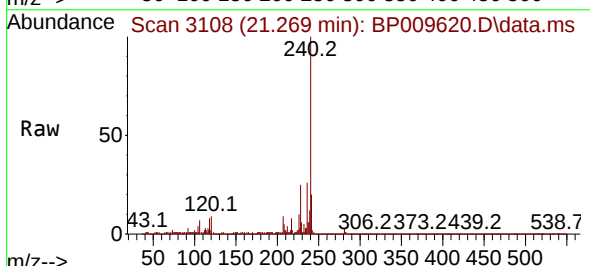
Tgt Ion:240 Resp: 1283258

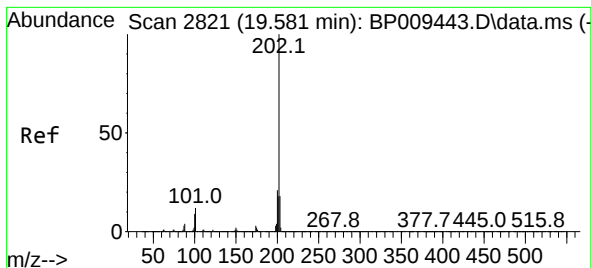
Ion Ratio Lower Upper

240 100

120 9.5 9.0 13.4

236 25.6 20.6 30.8





#78

Pyrene

Concen: 24.015 ng

RT: 19.534 min Scan# 2813

Delta R.T. -0.006 min

Lab File: BP009620.D

Acq: 30 Mar 2022 15:59

Instrument :

BNA_P

ClientSampleId :

337

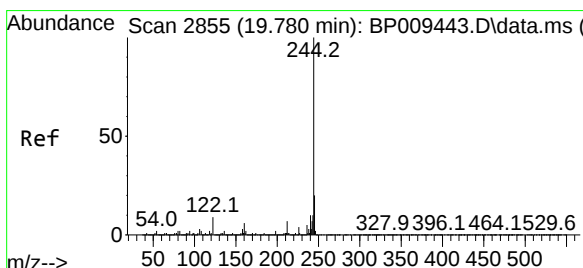
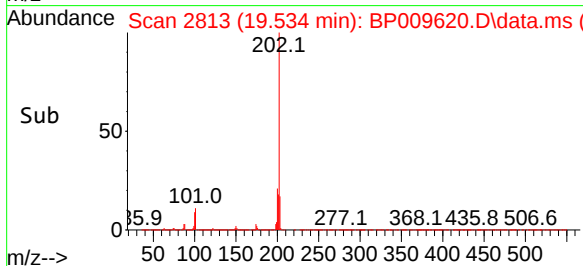
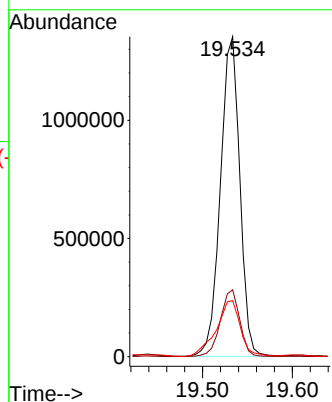
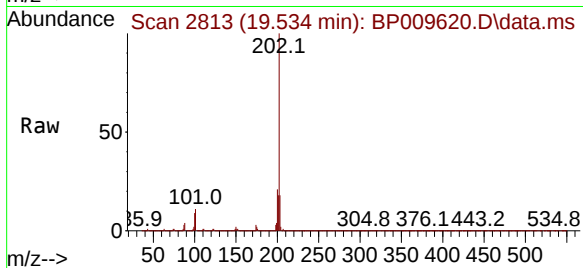
Tgt Ion:202 Resp: 2030766

Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

203 17.5 14.2 21.4



#79

Terphenyl-d14

Concen: 47.368 ng

RT: 19.733 min Scan# 2847

Delta R.T. -0.006 min

Lab File: BP009620.D

Acq: 30 Mar 2022 15:59

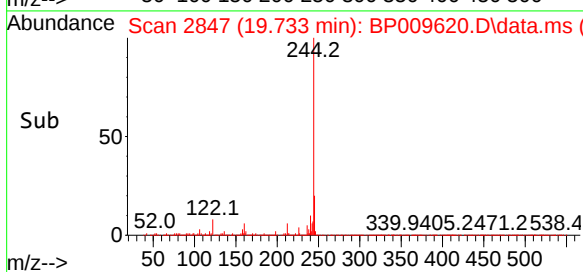
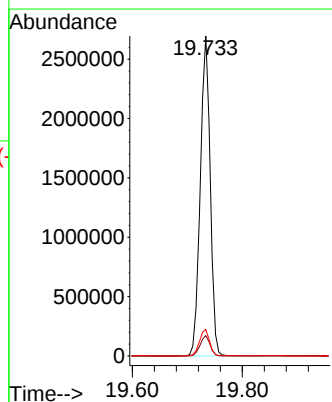
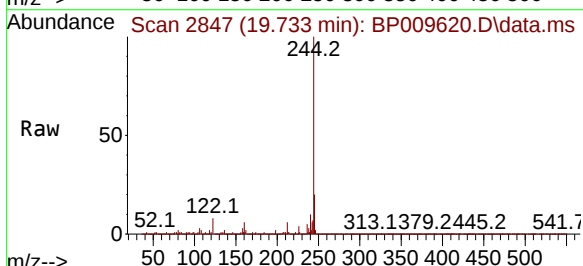
Tgt Ion:244 Resp: 3386597

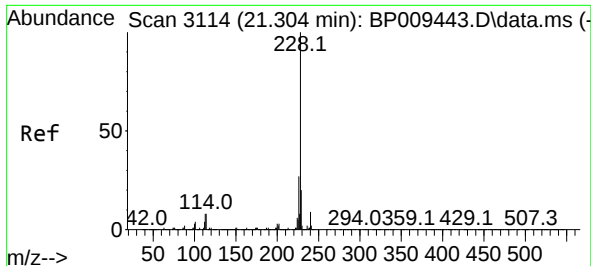
Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.6

122 8.2 8.3 12.5#

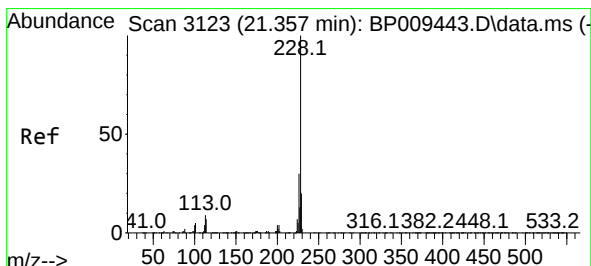
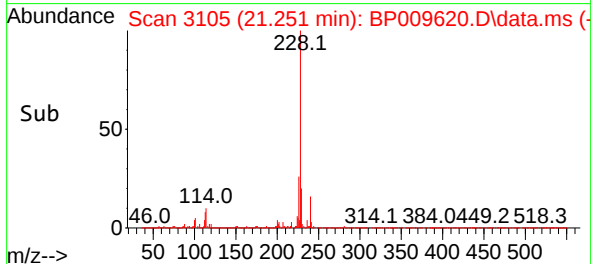
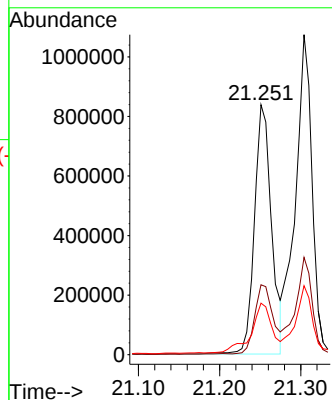
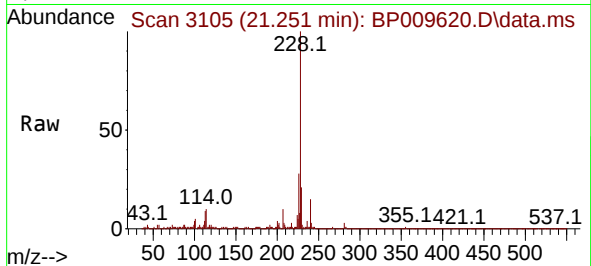




#81
Benzo(a)anthracene
Concen: 14.541 ng
RT: 21.251 min Scan# 3110
Delta R.T. -0.012 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

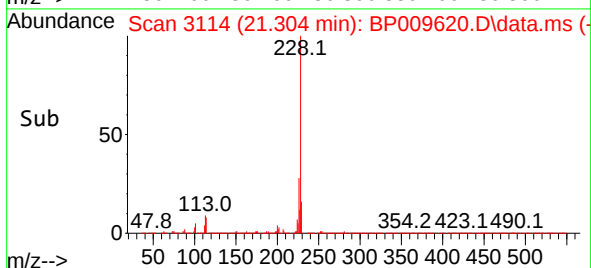
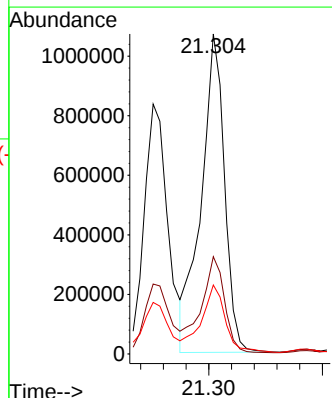
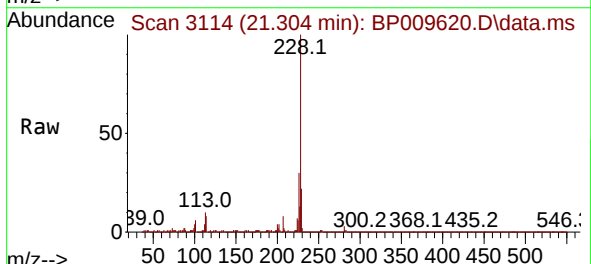
Instrument :
BNA_P
ClientSampleId :
337

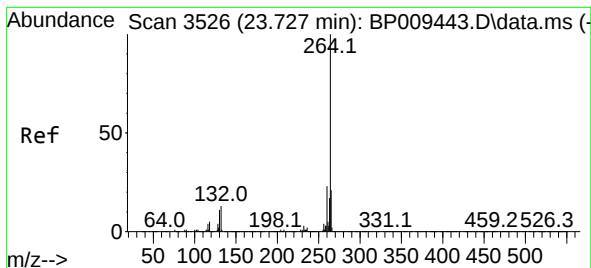
Tgt Ion:228 Resp: 1225959
Ion Ratio Lower Upper
228 100
226 28.0 22.0 33.0
229 20.6 16.1 24.1



#83
Chrysene
Concen: 19.123 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Tgt Ion:228 Resp: 1526670
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 21.6 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.645 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP009620.D

Acq: 30 Mar 2022 15:59

Instrument :

BNA_P

ClientSampleId :

337

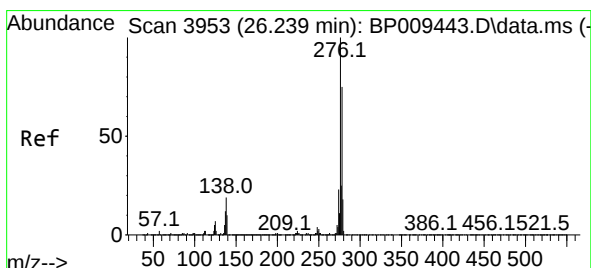
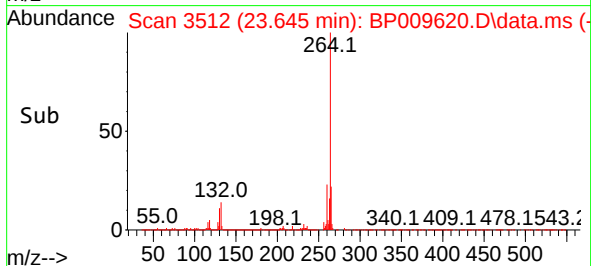
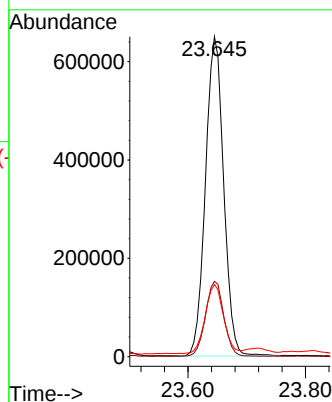
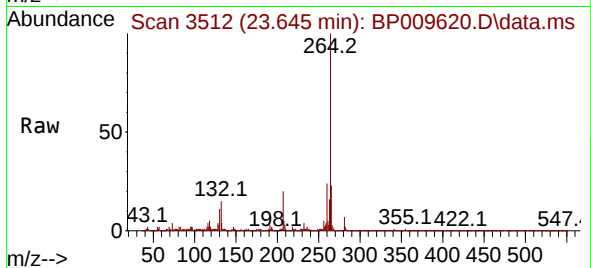
Tgt Ion:264 Resp: 1396688

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.0

265 22.5 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.911 ng

RT: 26.116 min Scan# 3932

Delta R.T. -0.023 min

Lab File: BP009620.D

Acq: 30 Mar 2022 15:59

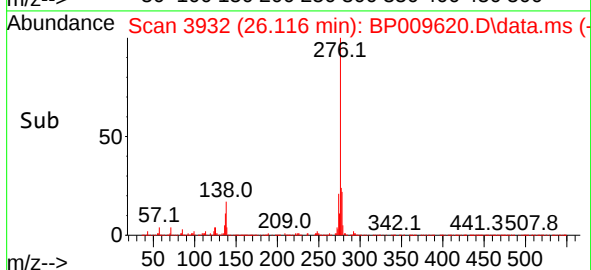
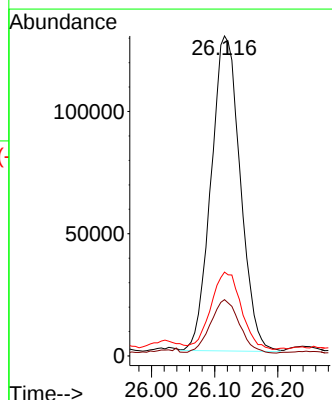
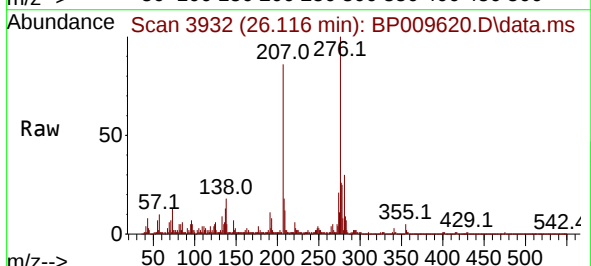
Tgt Ion:276 Resp: 414458

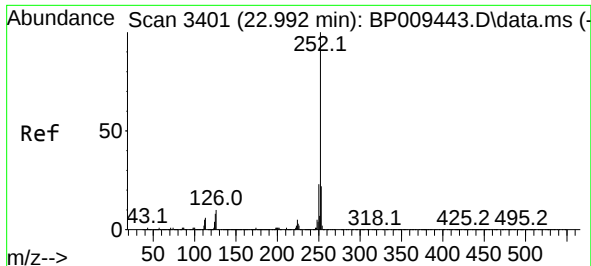
Ion Ratio Lower Upper

276 100

138 16.8 20.5 30.7#

277 25.4 20.4 30.6

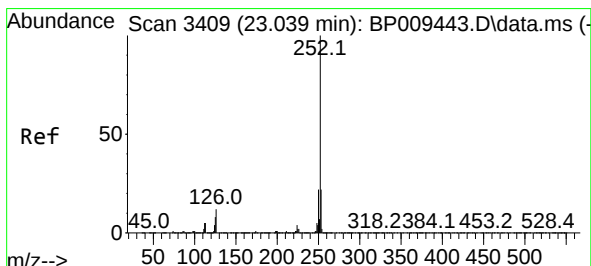
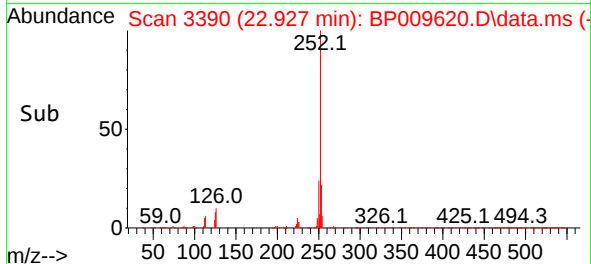
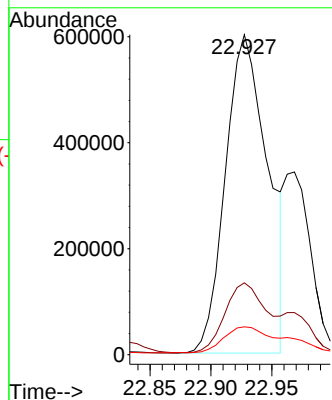
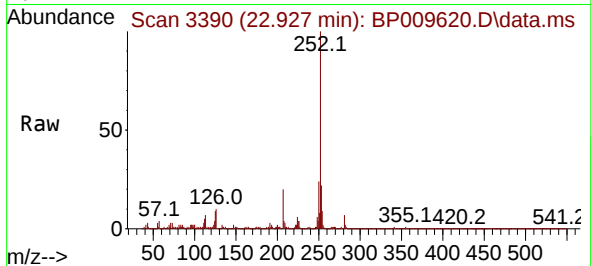




#88
Benzo(b)fluoranthene
Concen: 17.389 ng
RT: 22.927 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

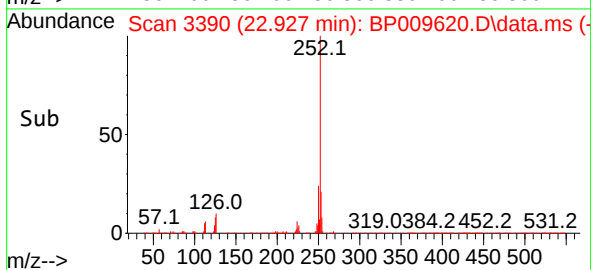
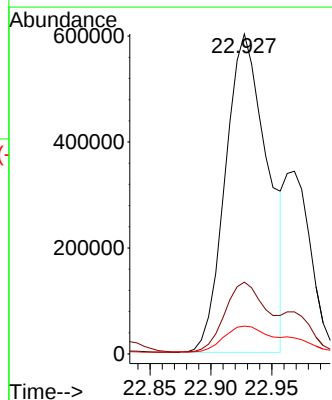
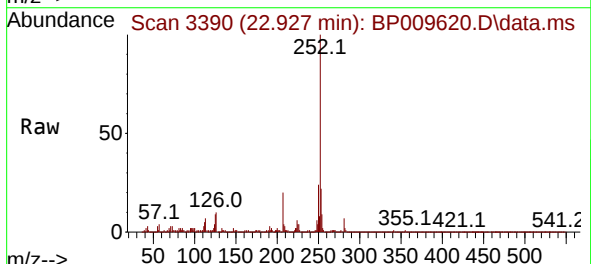
Instrument :
BNA_P
ClientSampleId :
337

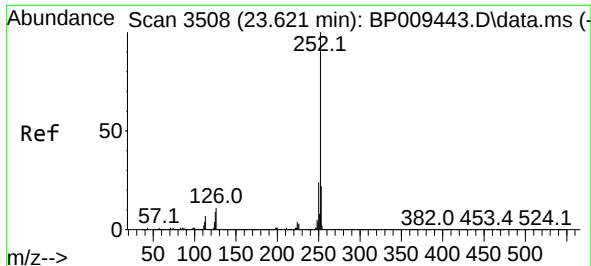
Tgt Ion:252 Resp: 1449878
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 8.7 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 17.760 ng
RT: 22.927 min Scan# 3390
Delta R.T. -0.053 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Tgt Ion:252 Resp: 1449878
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 8.7 8.3 12.5

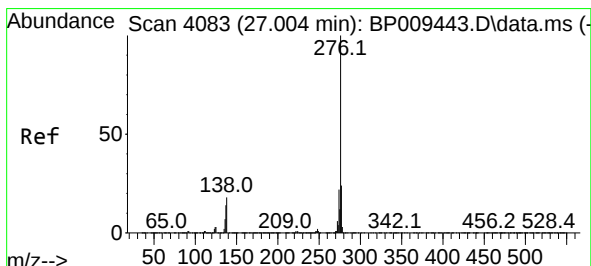
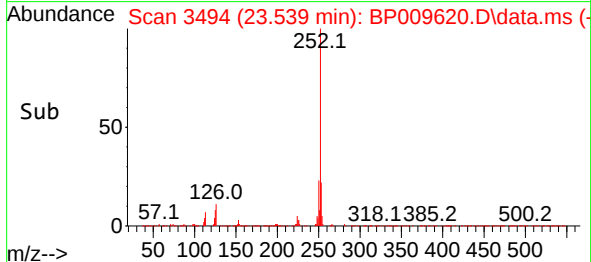
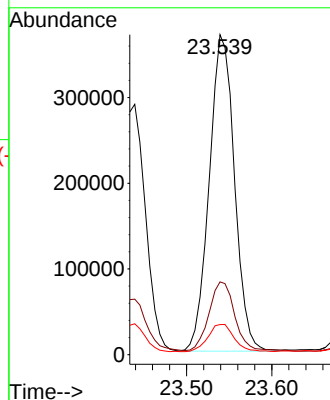
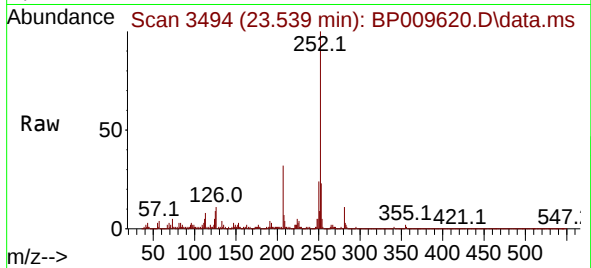




#90
Benzo(a)pyrene
Concen: 10.662 ng
RT: 23.539 min Scan# 34
Delta R.T. -0.012 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Instrument :
BNA_P
ClientSampleId :
337

Tgt Ion:252 Resp: 760625
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 9.4 9.3 13.9



#92
Benzo(g,h,i)perylene
Concen: 4.380 ng
RT: 26.880 min Scan# 4062
Delta R.T. -0.017 min
Lab File: BP009620.D
Acq: 30 Mar 2022 15:59

Tgt Ion:276 Resp: 380488
Ion Ratio Lower Upper
276 100
277 25.6 19.2 28.8
138 16.9 18.0 27.0#

