

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040522\
 Data File : BP009697.D
 Acq On : 05 Apr 2022 14:28
 Operator : CG/JU
 Sample : N2239-01DL 20X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-4DL

Quant Time: Apr 05 15:05:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 13:35:48 2022
 Response via : Initial Calibration

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

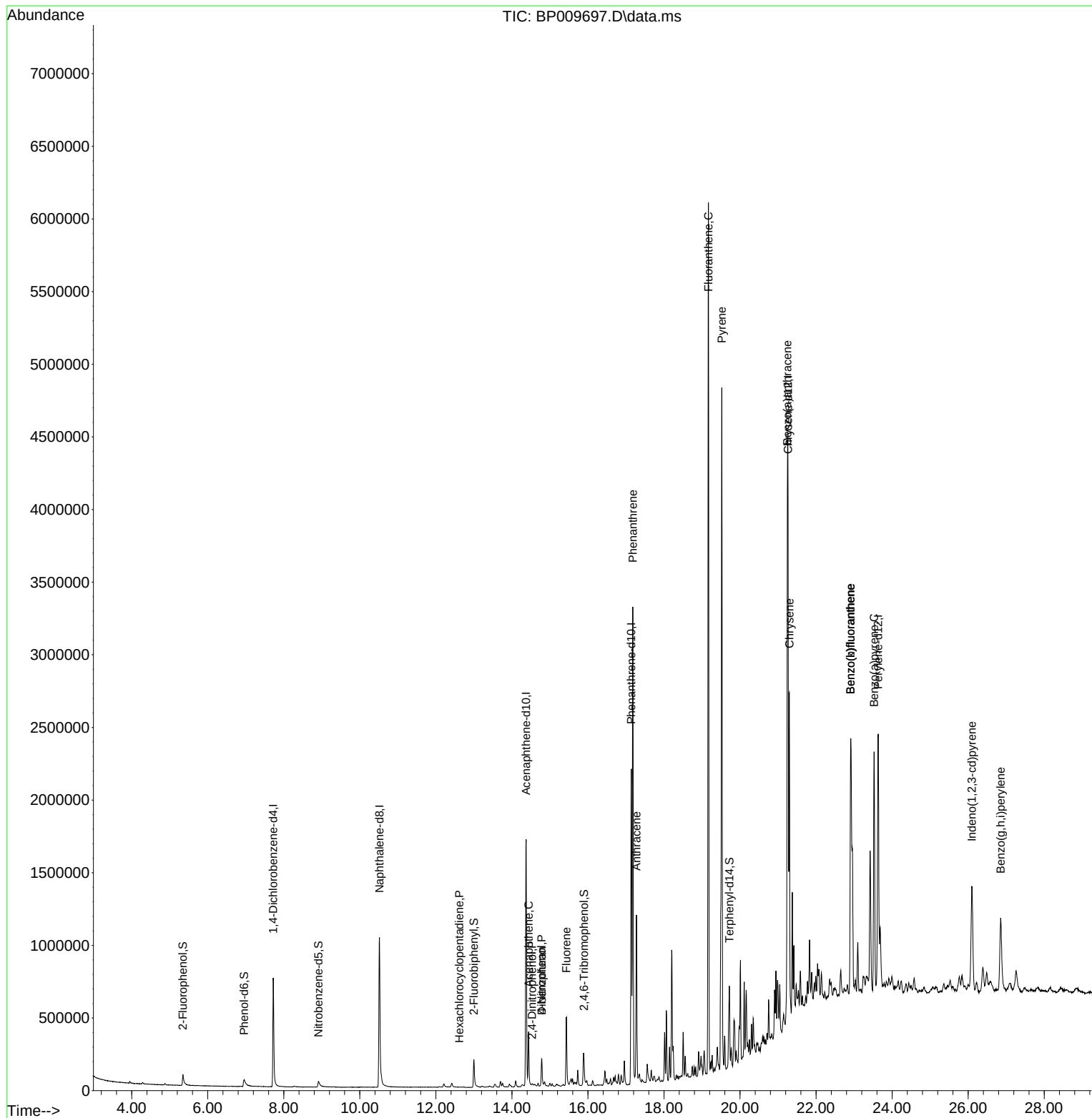
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	254421	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	1134056	20.000	ng	0.00
39) Acenaphthene-d10	14.375	164	674344	20.000	ng	0.00
64) Phenanthrene-d10	17.139	188	1417813	20.000	ng	0.00
76) Chrysene-d12	21.263	240	1437817	20.000	ng	0.00
86) Perylene-d12	23.633	264	1495471	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	67638	4.642	ng	0.02
7) Phenol-d6	6.957	99	77581	3.937	ng	0.04
23) Nitrobenzene-d5	8.910	82	53301	2.498	ng	0.02
42) 2,4,6-Tribromophenol	15.892	330	31192	2.803	ng	0.01
45) 2-Fluorobiphenyl	12.998	172	154265	3.171	ng	0.00
79) Terphenyl-d14	19.722	244	266778	3.330	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.863	77	213	Below Cal	#	46
41) Hexachlorocyclopentadiene	12.616	237	13	7.290	ng	89
52) Acenaphthene	14.439	154	146138	4.001	ng	97
54) 2,4-Dinitrophenol	14.528	184	32	4.537	ng	# 1
55) Dibenzofuran	14.786	168	165844	2.703	ng	99
56) 4-Nitrophenol	14.781	139	59931	7.110	ng	# 9
58) Fluorene	15.434	166	257898	5.344	ng	97
71) Phenanthrene	17.180	178	2131528	28.085	ng	100
72) Anthracene	17.275	178	806481	10.763	ng	99
75) Fluoranthene	19.169	202	3820589	41.581	ng	99
78) Pyrene	19.522	202	3005880	31.726	ng	100
81) Benzo(a)anthracene	21.245	228	1711368	18.117	ng	99
83) Chrysene	21.298	228	1288311	14.403	ng	98
87) Indeno(1,2,3-cd)pyrene	26.098	276	769966	6.786	ng	# 93
88) Benzo(b)fluoranthene	22.910	252	1780469	19.944	ng	99
89) Benzo(k)fluoranthene	22.910	252	1780469	20.369	ng	98
90) Benzo(a)pyrene	23.527	252	1291605	16.910	ng	98
92) Benzo(g,h,i)perylene	26.856	276	697529	7.498	ng	97

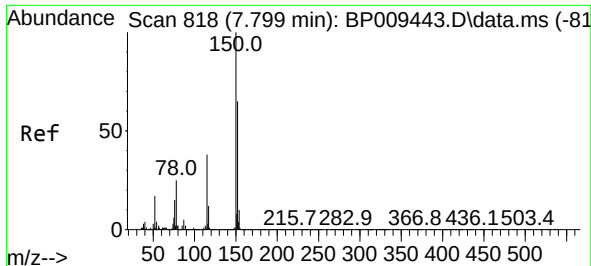
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040522\
Data File : BP009697.D
Acq On : 05 Apr 2022 14:28
Operator : CG/JU
Sample : N2239-01DL 20X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-4DL

Quant Time: Apr 05 15:05:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 13:35:48 2022
Response via : Initial Calibration

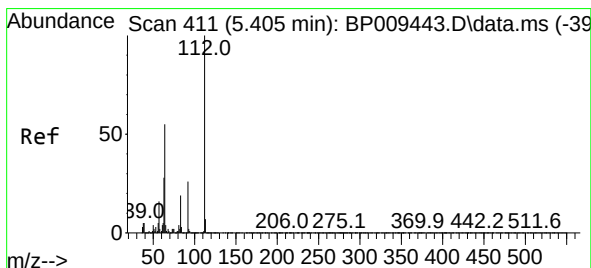
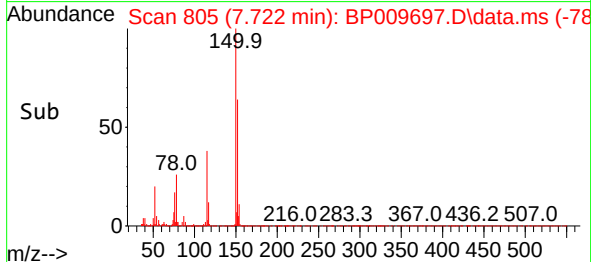
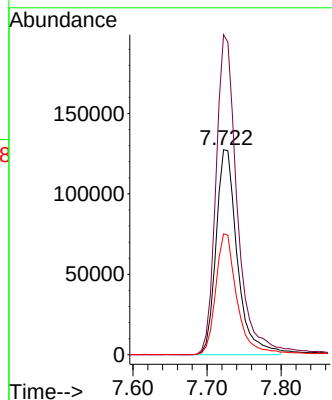
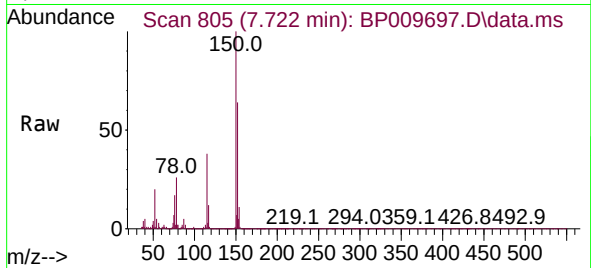




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.722 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BP009697.D
 Acq: 05 Apr 2022 14:28

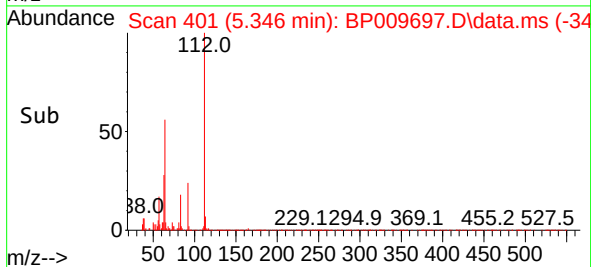
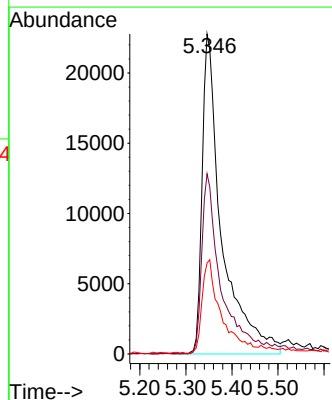
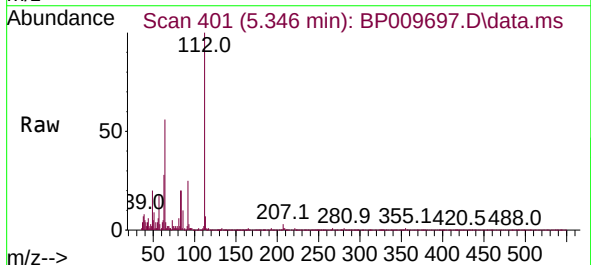
Instrument :
 BNA_P
 ClientSampleId :
 TP-4DL

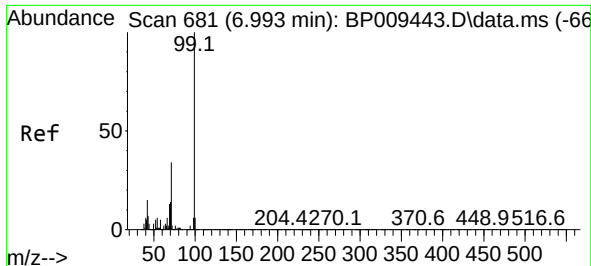
Tgt Ion:152 Resp: 254421
 Ion Ratio Lower Upper
 152 100
 150 156.1 124.5 186.7
 115 58.9 48.2 72.4



#5
 2-Fluorophenol
 Concen: 4.642 ng
 RT: 5.346 min Scan# 401
 Delta R.T. 0.018 min
 Lab File: BP009697.D
 Acq: 05 Apr 2022 14:28

Tgt Ion:112 Resp: 67638
 Ion Ratio Lower Upper
 112 100
 64 56.3 45.0 67.4
 63 28.4 23.0 34.6

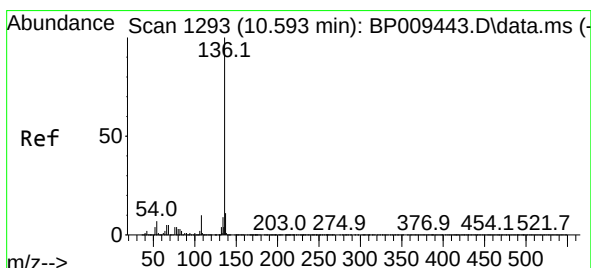
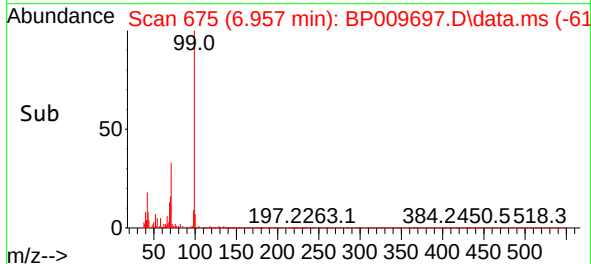
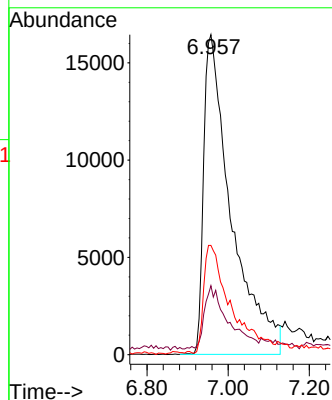
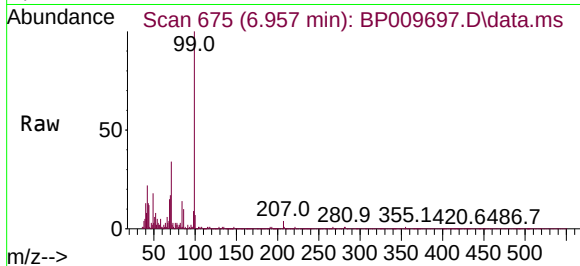




#7
Phenol-d6
Concen: 3.937 ng
RT: 6.957 min Scan# 61
Delta R.T. 0.041 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

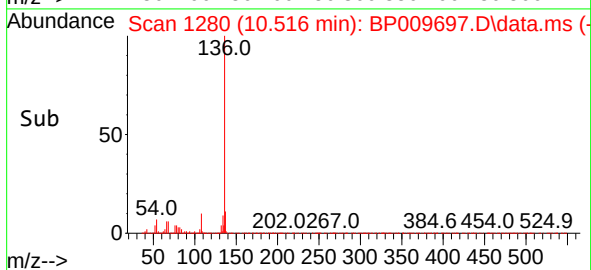
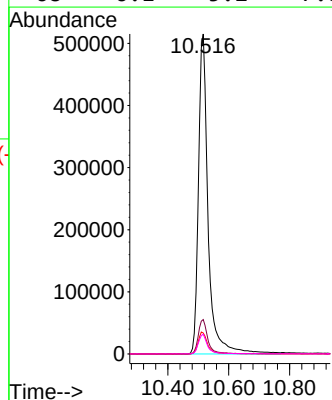
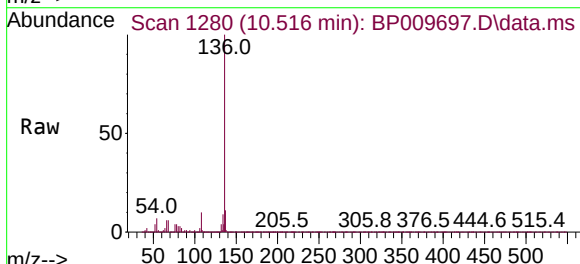
Instrument :
BNA_P
ClientSampleId :
TP-4DL

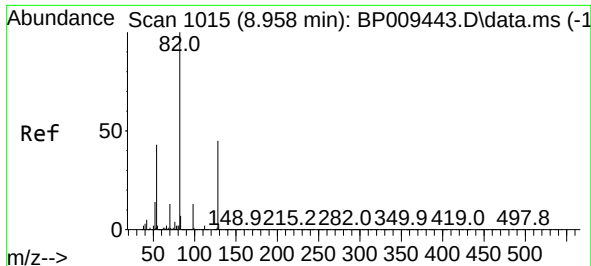
Tgt Ion: 99 Resp: 77581
Ion Ratio Lower Upper
99 100
42 21.6 12.8 19.2#
71 34.1 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

Tgt Ion:136 Resp: 1134056
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 6.6 5.8 8.8
68 6.1 5.2 7.8

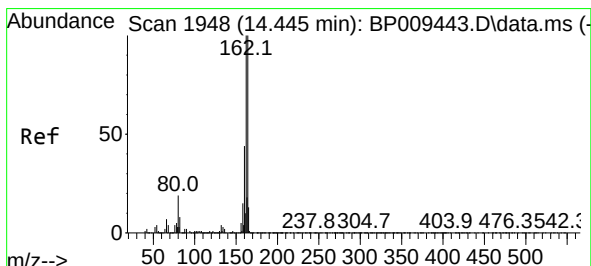
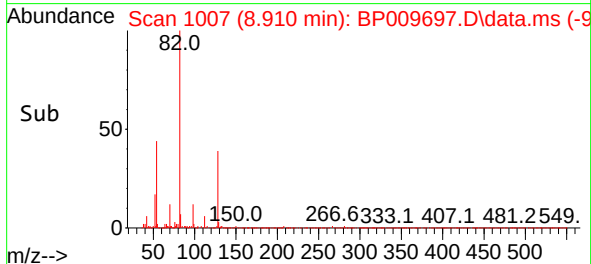
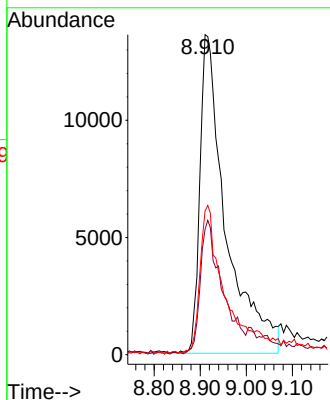
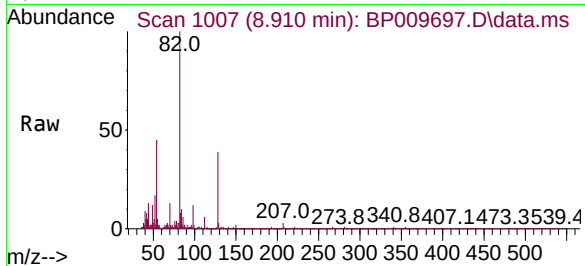




#23
Nitrobenzene-d5
Concen: 2.498 ng
RT: 8.910 min Scan# 1015
Delta R.T. 0.023 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

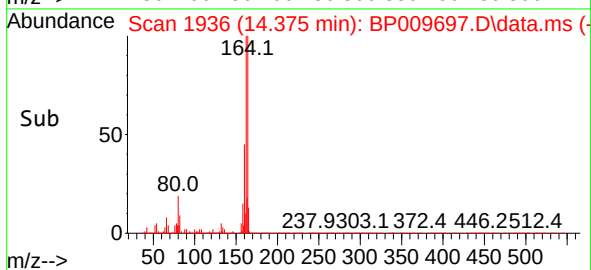
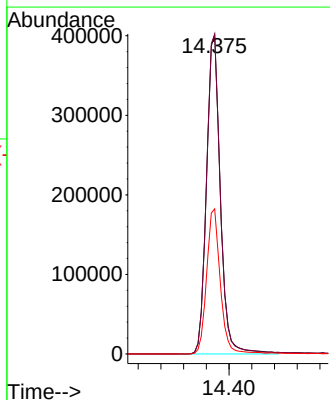
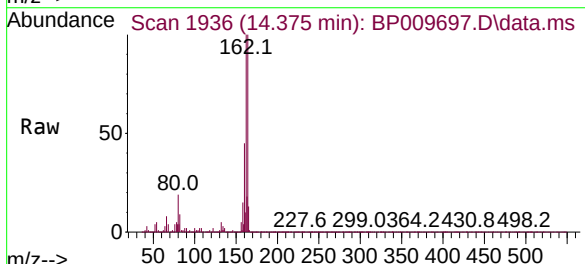
Instrument :
BNA_P
ClientSampleId :
TP-4DL

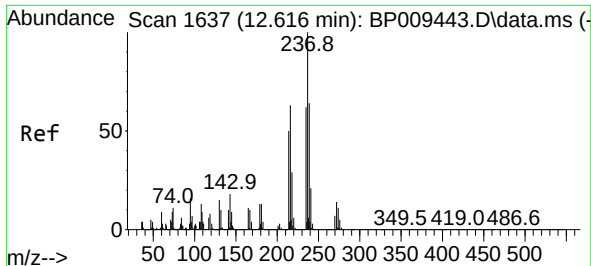
Tgt Ion: 82 Resp: 53301
Ion Ratio Lower Upper
82 100
128 39.2 34.2 51.4
54 45.0 34.7 52.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

Tgt Ion: 164 Resp: 674344
Ion Ratio Lower Upper
164 100
162 100.4 79.1 118.7
160 45.5 34.9 52.3

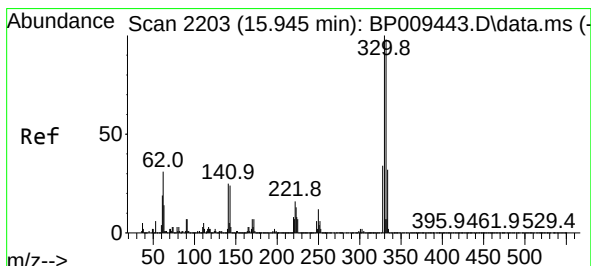
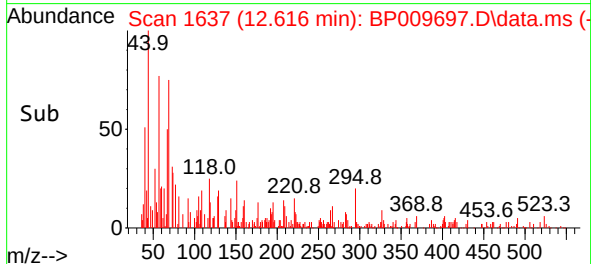
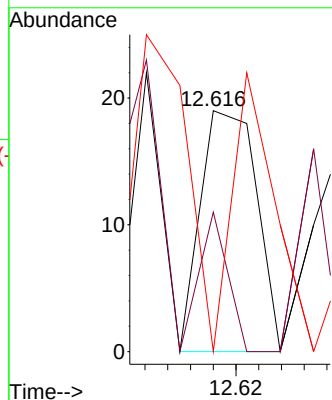
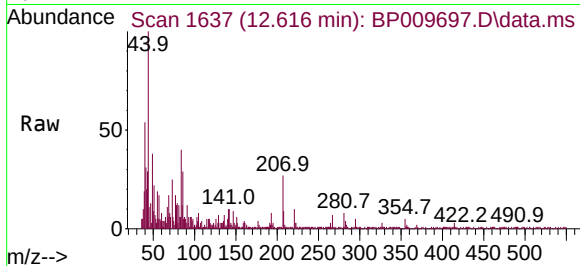




#41
Hexachlorocyclopentadiene
Concen: 7.290 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.082 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

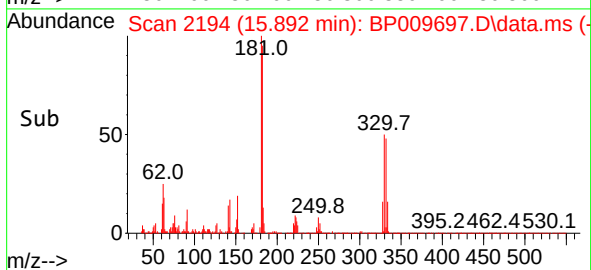
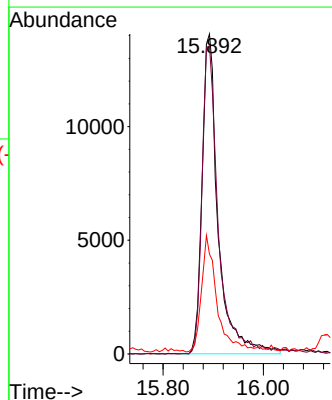
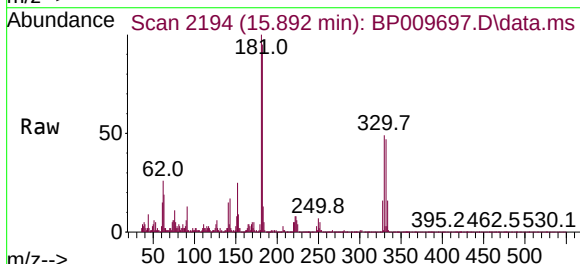
Instrument :
BNA_P
ClientSampleId :
TP-4DL

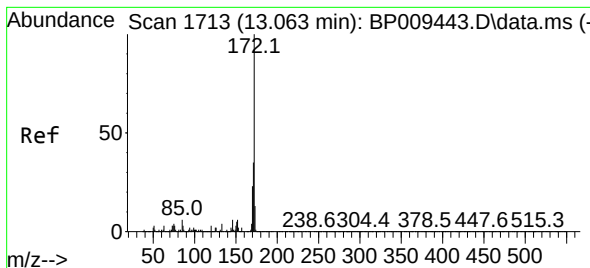
Tgt Ion:	237	Resp:	13
Ion	Ratio	Lower	Upper
237	100		
235	57.9	42.6	82.6
272	0.0	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 2.803 ng
RT: 15.892 min Scan# 2194
Delta R.T. 0.012 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

Tgt Ion:	330	Resp:	31192
Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	35.0	27.6	41.4





#45

2-Fluorobiphenyl

Concen: 3.171 ng

RT: 12.998 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP009697.D

Acq: 05 Apr 2022 14:28

Instrument :

BNA_P

ClientSampleId :

TP-4DL

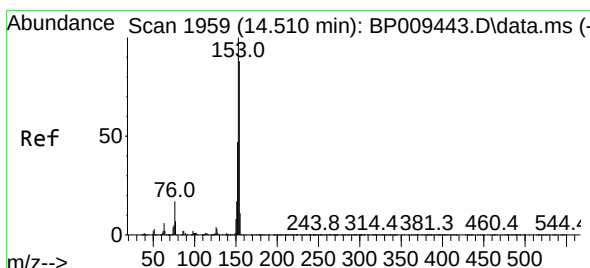
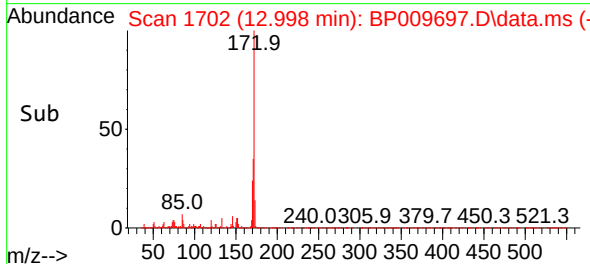
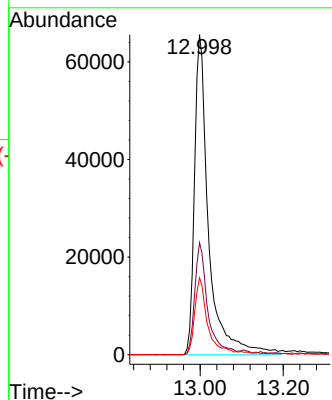
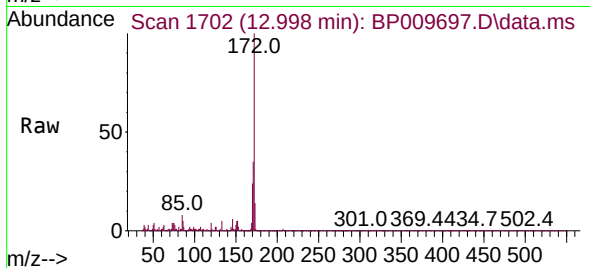
Tgt Ion:172 Resp: 154265

Ion Ratio Lower Upper

172 100

171 35.0 28.0 42.0

170 24.0 18.6 27.8



#52

Acenaphthene

Concen: 4.001 ng

RT: 14.439 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BP009697.D

Acq: 05 Apr 2022 14:28

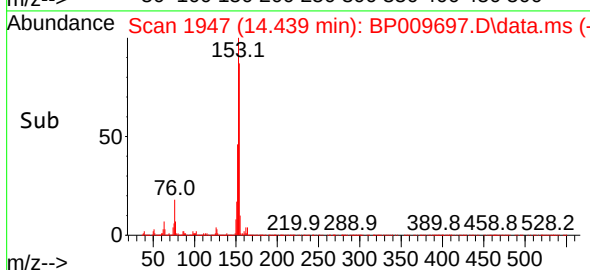
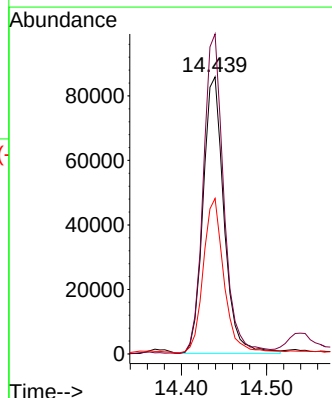
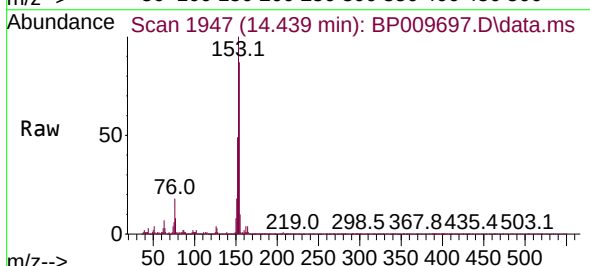
Tgt Ion:154 Resp: 146138

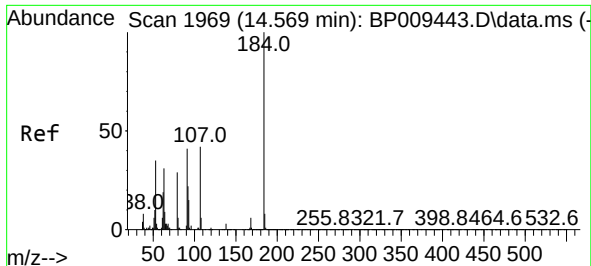
Ion Ratio Lower Upper

154 100

153 115.5 90.2 135.4

152 56.1 42.7 64.1

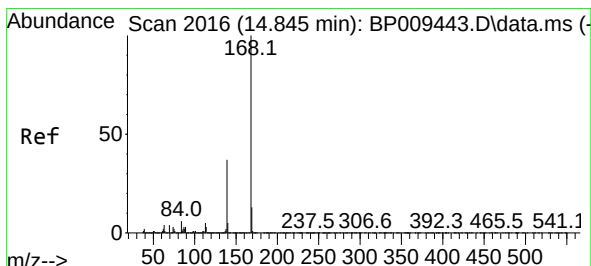
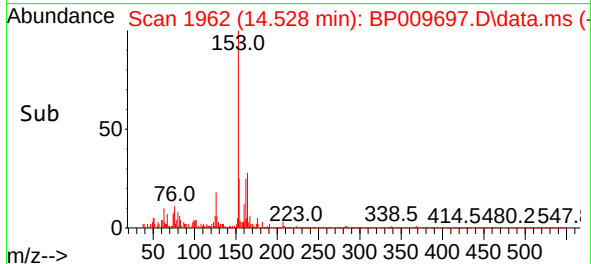
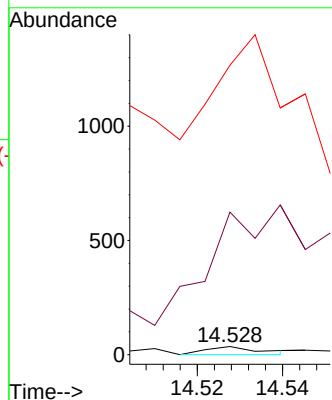
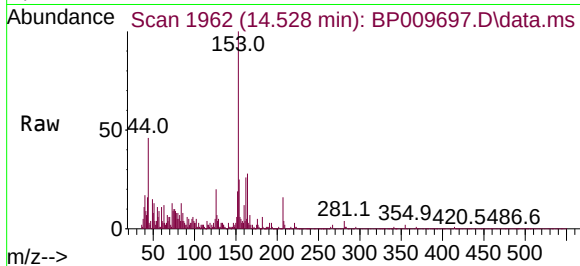




#54
2,4-Dinitrophenol
Concen: 4.537 ng
RT: 14.528 min Scan# 1962
Delta R.T. -0.000 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

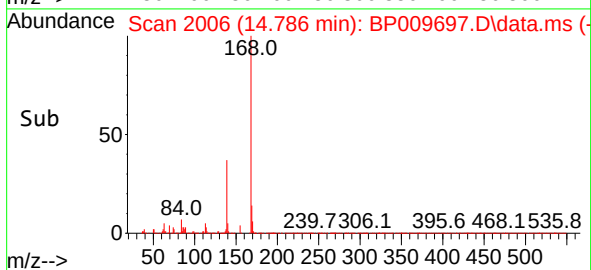
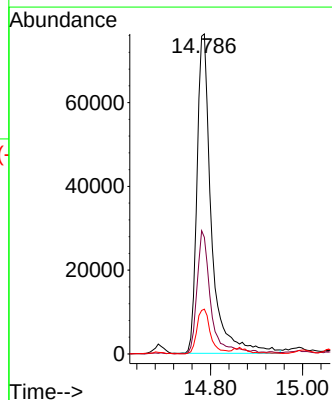
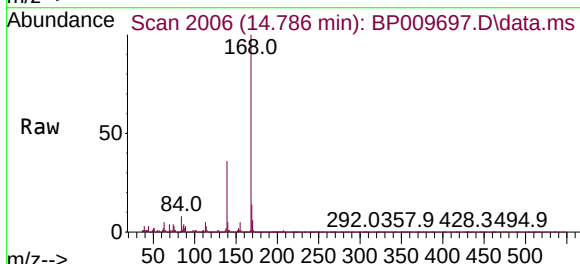
Instrument :
BNA_P
ClientSampleId :
TP-4DL

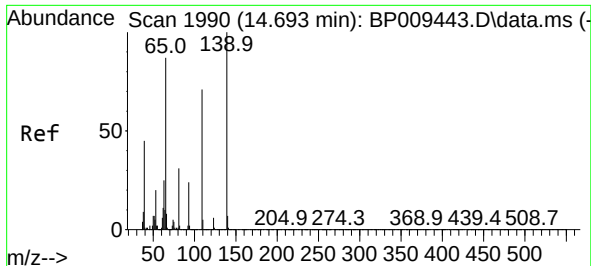
Tgt Ion:184 Resp: 32
Ion Ratio Lower Upper
184 100
63 1733.3 46.3 69.5#
154 3519.4 45.8 68.6#



#55
Dibenzofuran
Concen: 2.703 ng
RT: 14.786 min Scan# 2006
Delta R.T. 0.012 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

Tgt Ion:168 Resp: 165844
Ion Ratio Lower Upper
168 100
139 36.5 29.1 43.7
169 14.0 10.6 16.0

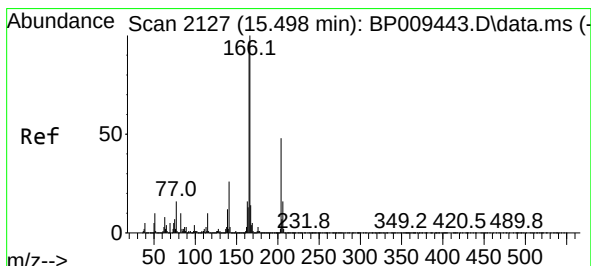
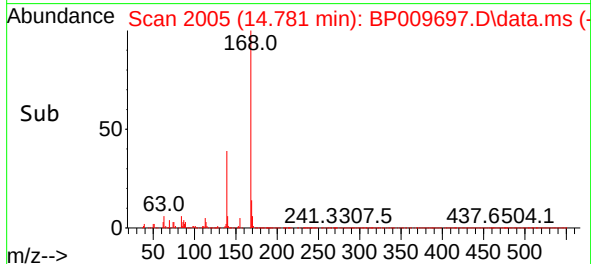
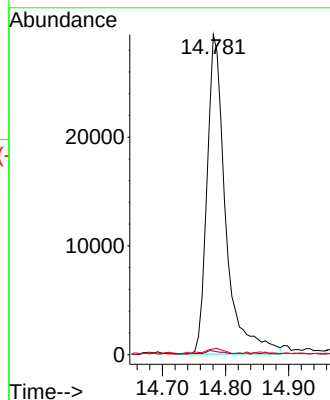
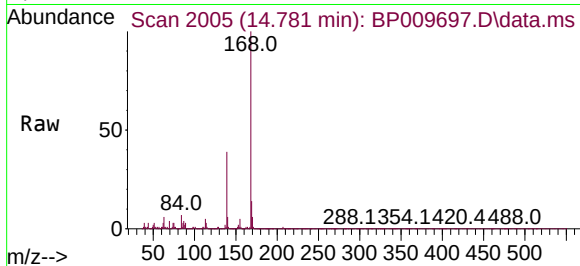




#56
4-Nitrophenol
Concen: 7.110 ng
RT: 14.781 min Scan# 20
Delta R.T. 0.135 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

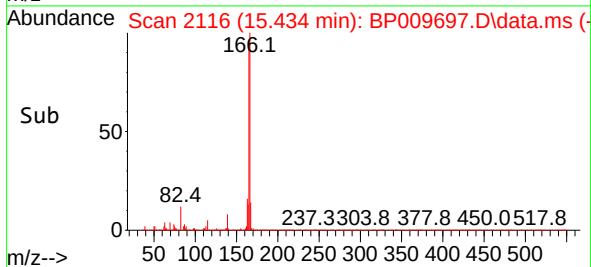
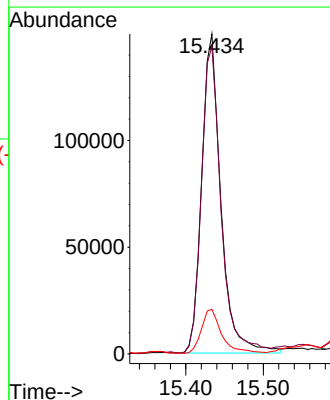
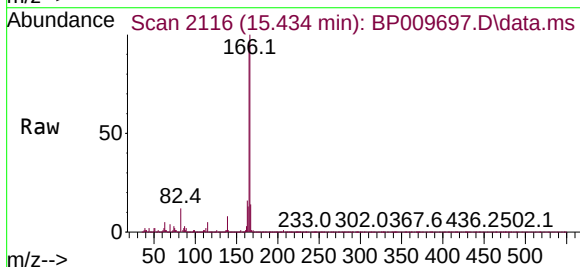
Instrument :
BNA_P
ClientSampleId :
TP-4DL

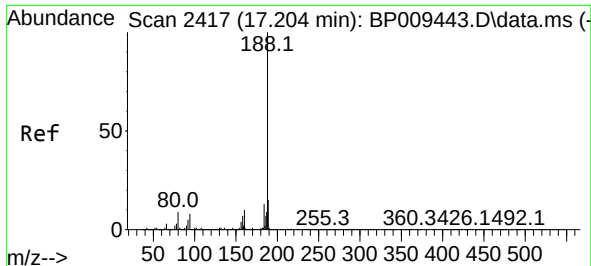
Tgt Ion:139 Resp: 59931
Ion Ratio Lower Upper
139 100
109 1.2 51.2 91.2#
65 1.8 73.2 113.2#



#58
Fluorene
Concen: 5.344 ng
RT: 15.434 min Scan# 2116
Delta R.T. 0.006 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

Tgt Ion:166 Resp: 257898
Ion Ratio Lower Upper
166 100
165 96.1 79.2 118.8
167 13.9 10.7 16.1

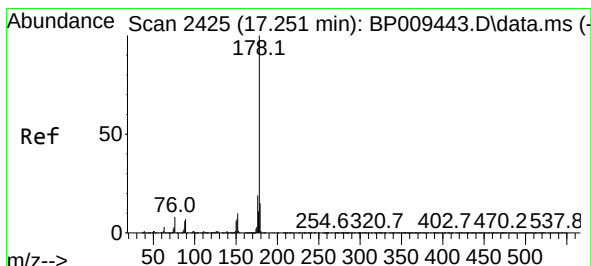
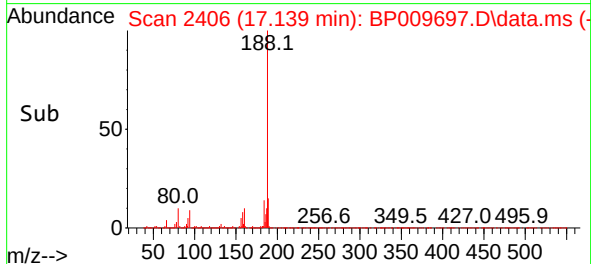
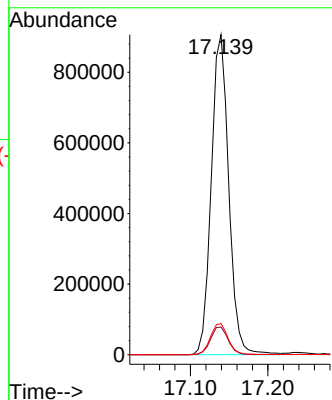
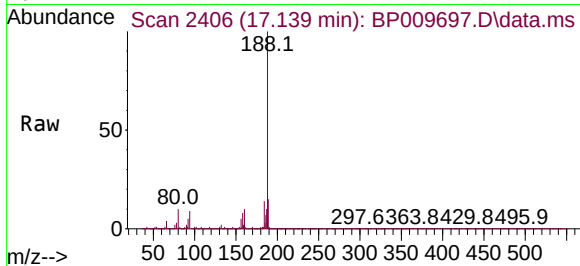




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2413
Delta R.T. -0.000 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

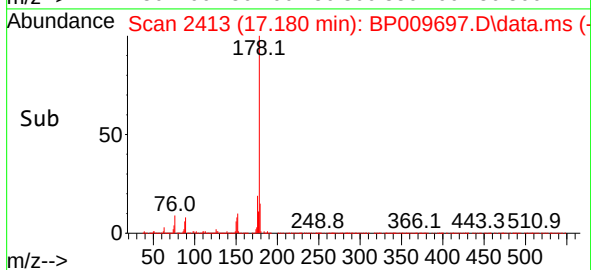
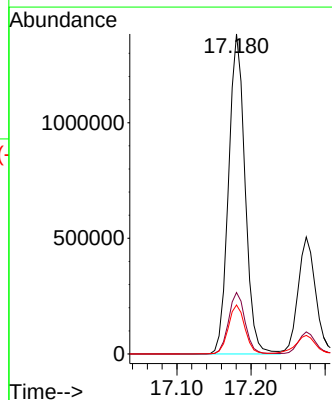
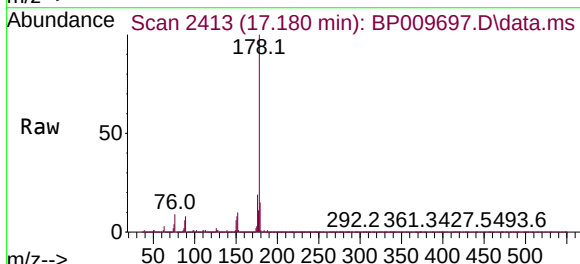
Instrument :
BNA_P
ClientSampleId :
TP-4DL

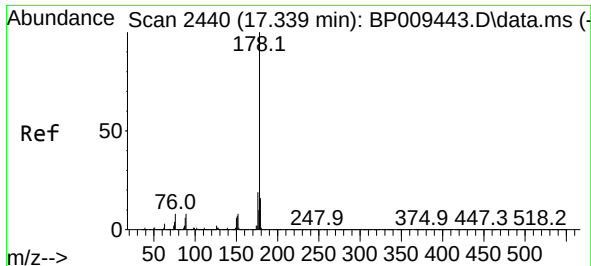
Tgt Ion:188 Resp: 1417813
Ion Ratio Lower Upper
188 100
94 8.6 7.9 11.9
80 9.7 8.8 13.2



#71
Phenanthrene
Concen: 28.085 ng
RT: 17.180 min Scan# 2413
Delta R.T. -0.000 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

Tgt Ion:178 Resp: 2131528
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.3 12.3 18.5

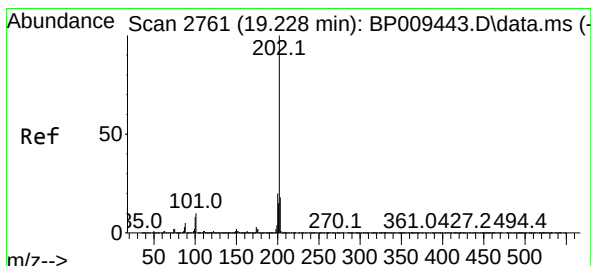
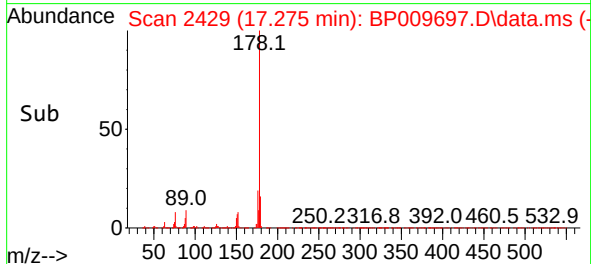
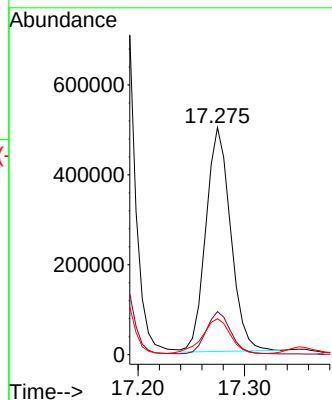
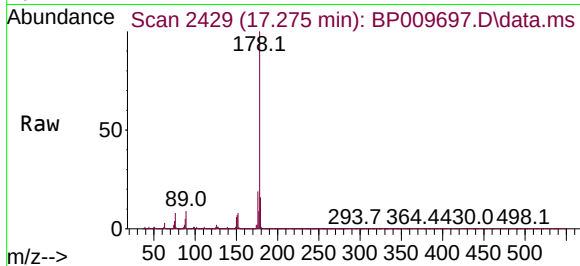




#72
 Anthracene
 Concen: 10.763 ng
 RT: 17.275 min Scan# 2440
 Delta R.T. -0.000 min
 Lab File: BP009697.D
 Acq: 05 Apr 2022 14:28

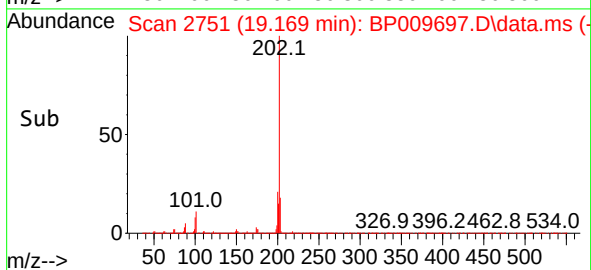
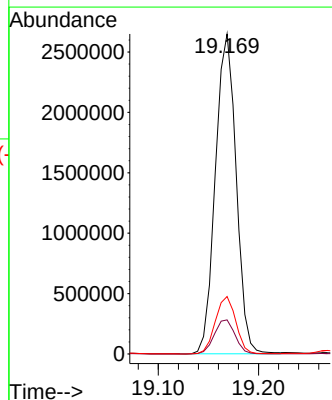
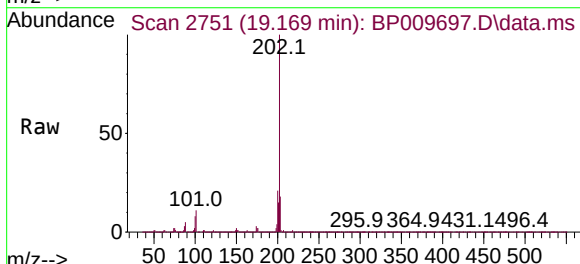
Instrument :
 BNA_P
 ClientSampleId :
 TP-4DL

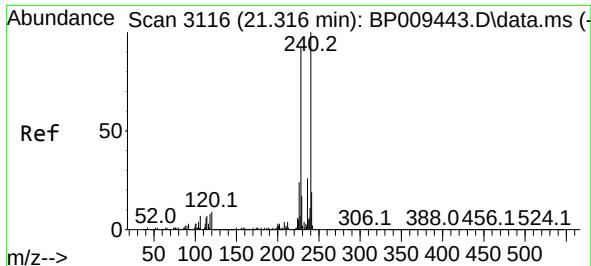
Tgt Ion:178 Resp: 806481
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.8 22.2
 179 15.8 12.2 18.4



#75
 Fluoranthene
 Concen: 41.581 ng
 RT: 19.169 min Scan# 2751
 Delta R.T. -0.000 min
 Lab File: BP009697.D
 Acq: 05 Apr 2022 14:28

Tgt Ion:202 Resp: 3820589
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.5
 203 17.9 0.0 37.8

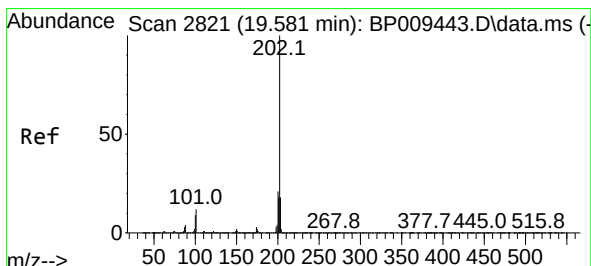
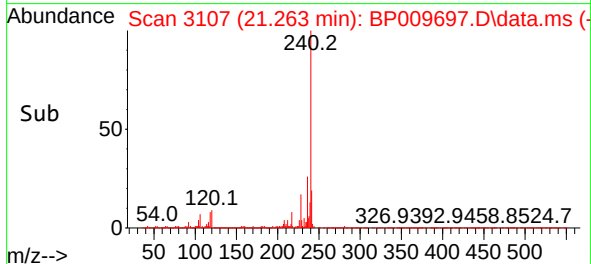
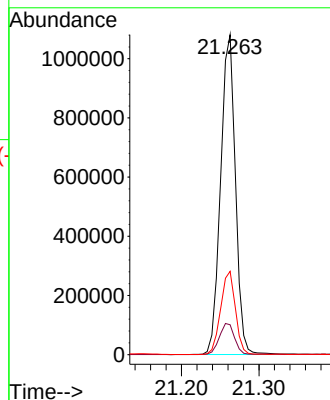
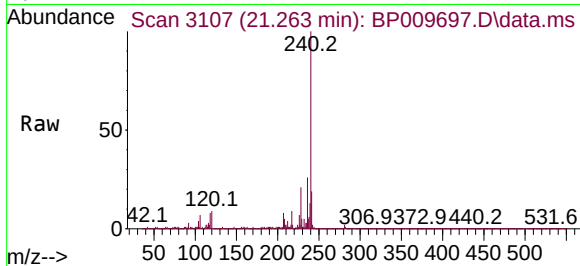




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3116
Delta R.T. 0.006 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

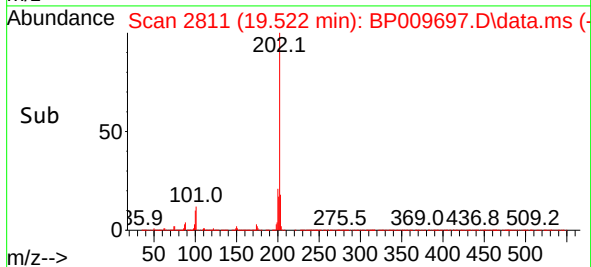
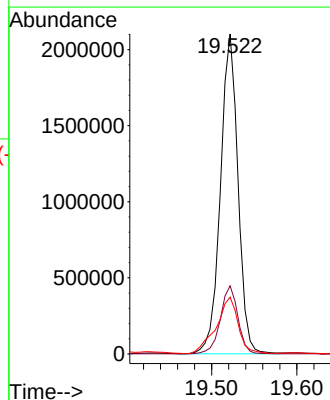
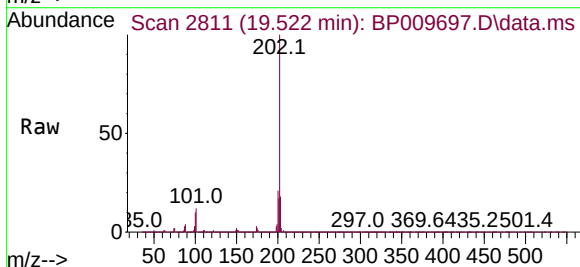
Instrument :
BNA_P
ClientSampleId :
TP-4DL

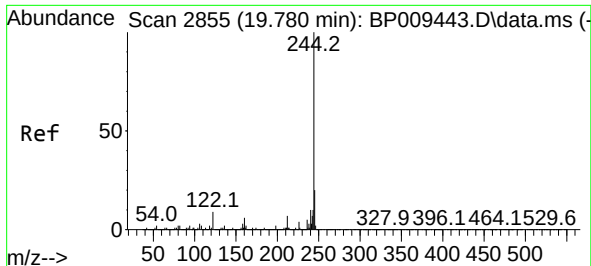
Tgt Ion:240 Resp: 1437817
Ion Ratio Lower Upper
240 100
120 9.4 9.0 13.4
236 26.0 20.6 30.8



#78
Pyrene
Concen: 31.726 ng
RT: 19.522 min Scan# 2811
Delta R.T. -0.000 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

Tgt Ion:202 Resp: 3005880
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 17.8 14.2 21.4

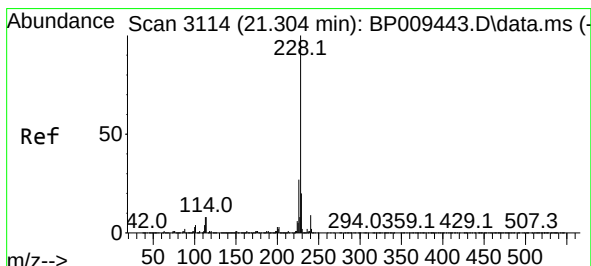
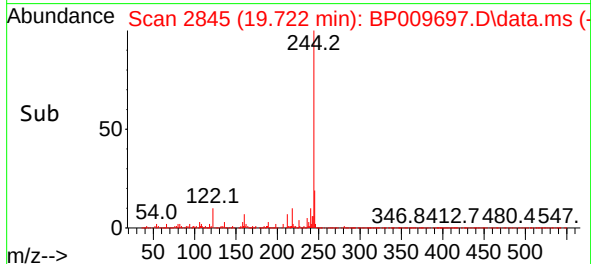
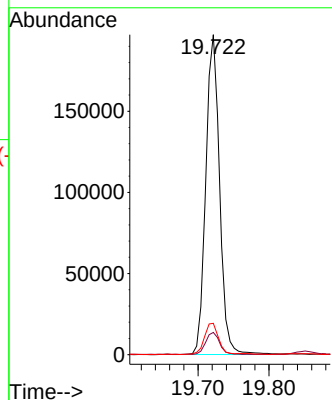
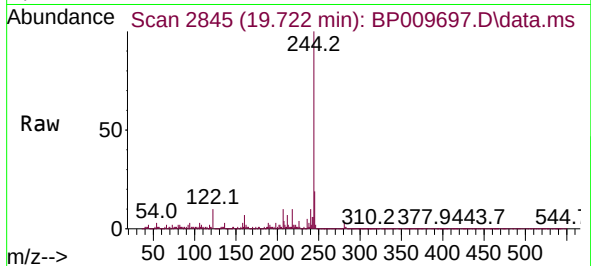




#79
 Terphenyl-d14
 Concen: 3.330 ng
 RT: 19.722 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP009697.D
 Acq: 05 Apr 2022 14:28

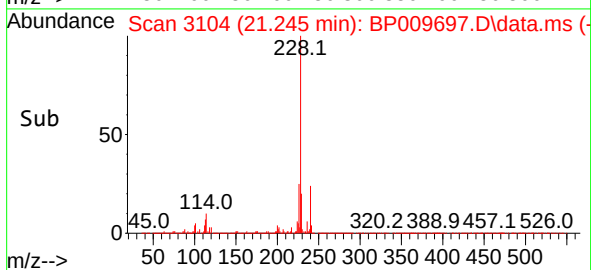
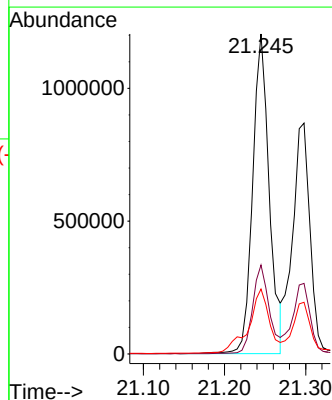
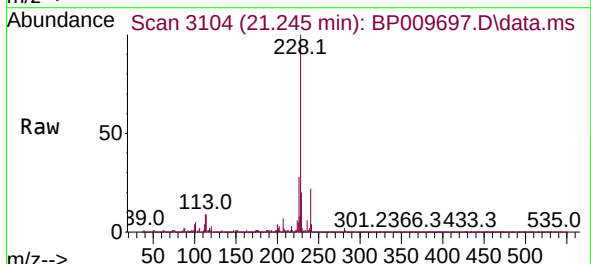
Instrument :
 BNA_P
 ClientSampleId :
 TP-4DL

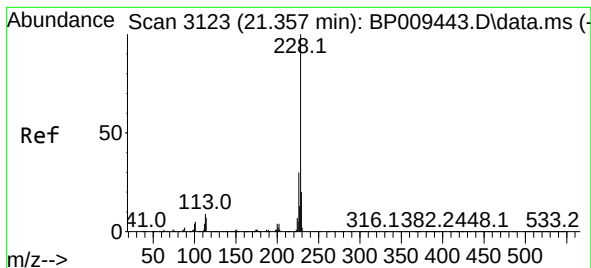
Tgt Ion:244 Resp: 266778
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 9.8 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 18.117 ng
 RT: 21.245 min Scan# 3104
 Delta R.T. -0.000 min
 Lab File: BP009697.D
 Acq: 05 Apr 2022 14:28

Tgt Ion:228 Resp: 1711368
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.0 33.0
 229 20.3 16.1 24.1





#83

Chrysene

Concen: 14.403 ng

RT: 21.298 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP009697.D

Acq: 05 Apr 2022 14:28

Instrument :

BNA_P

ClientSampleId :

TP-4DL

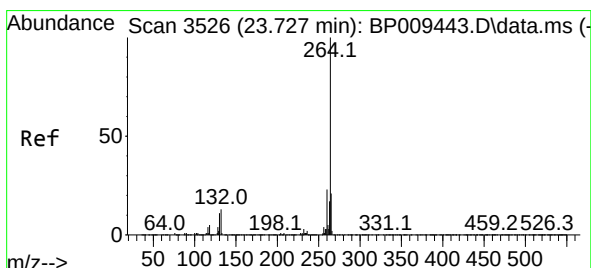
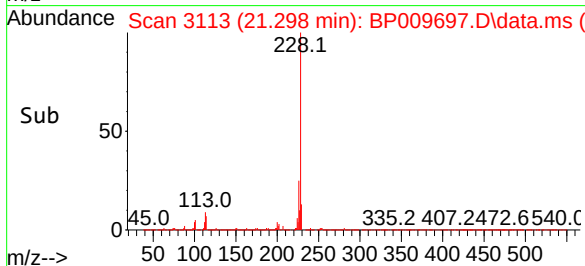
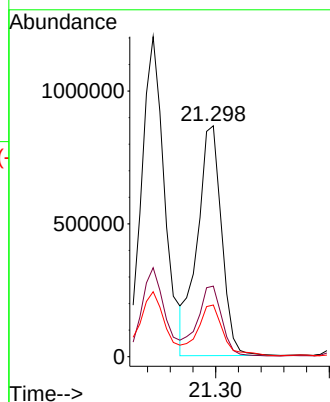
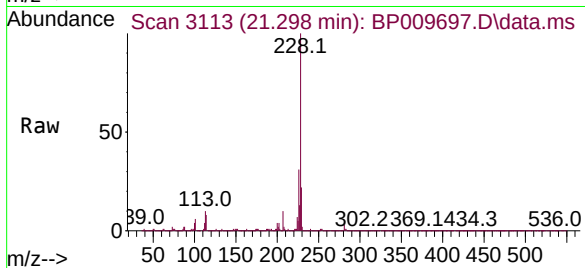
Tgt Ion:228 Resp: 1288311

Ion Ratio Lower Upper

228 100

226 30.5 24.2 36.2

229 22.4 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.633 min Scan# 3510

Delta R.T. 0.006 min

Lab File: BP009697.D

Acq: 05 Apr 2022 14:28

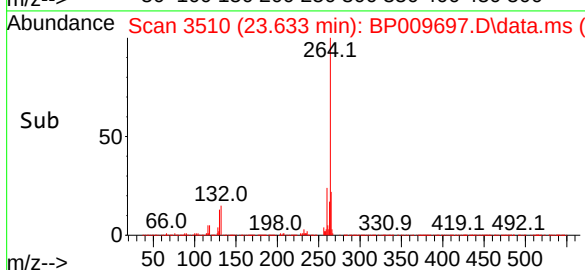
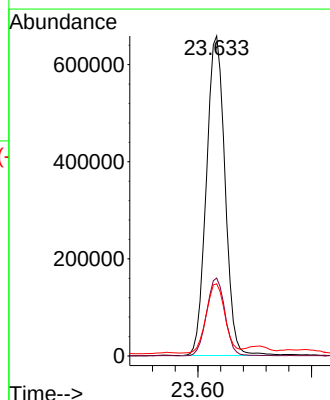
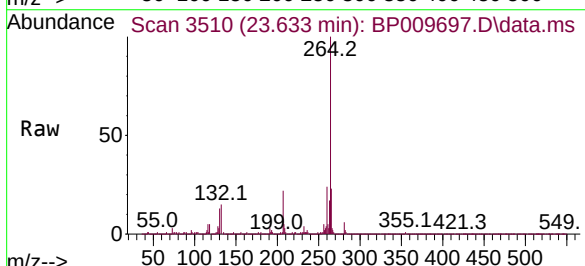
Tgt Ion:264 Resp: 1495471

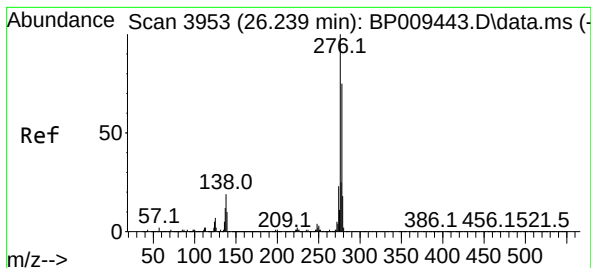
Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.0

265 22.5 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.786 ng

RT: 26.098 min Scan# 3387

Delta R.T. -0.006 min

Lab File: BP009697.D

Acq: 05 Apr 2022 14:28

Instrument :

BNA_P

ClientSampleId :

TP-4DL

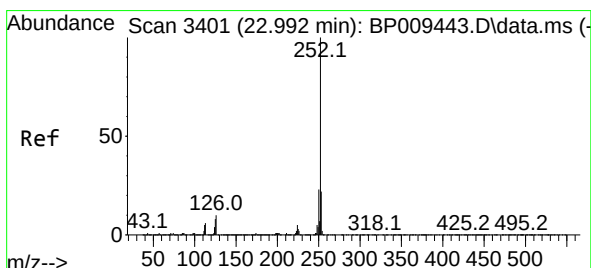
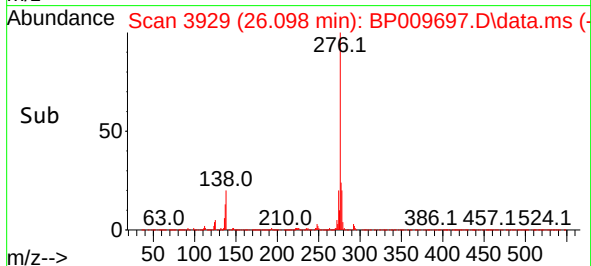
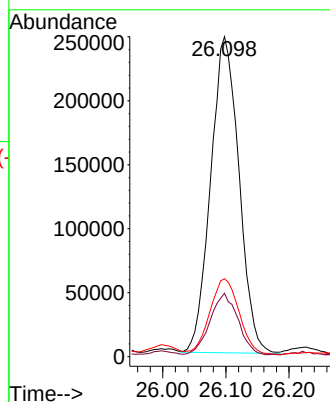
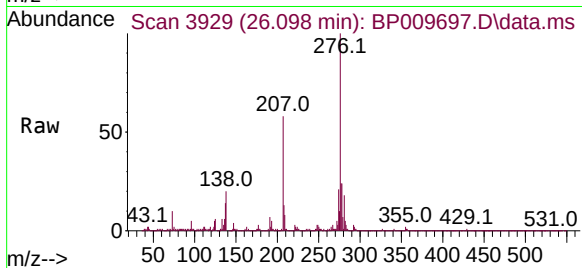
Tgt Ion:276 Resp: 769966

Ion Ratio Lower Upper

276 100

138 19.4 20.5 30.7#

277 24.8 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 19.944 ng

RT: 22.910 min Scan# 3387

Delta R.T. -0.000 min

Lab File: BP009697.D

Acq: 05 Apr 2022 14:28

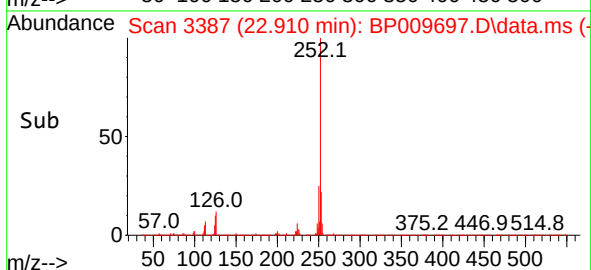
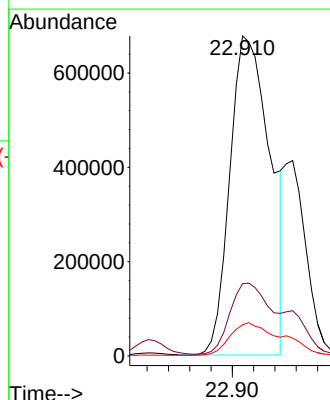
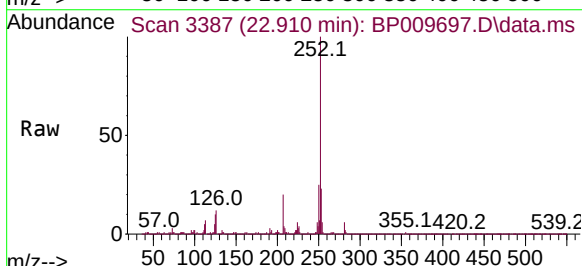
Tgt Ion:252 Resp: 1780469

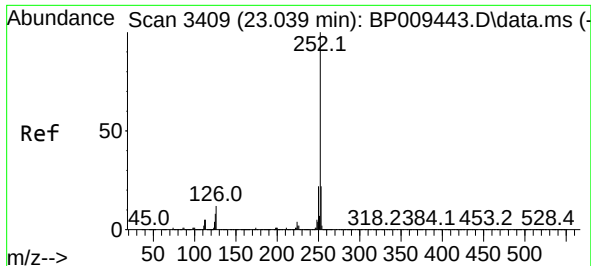
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 9.7 8.1 12.1

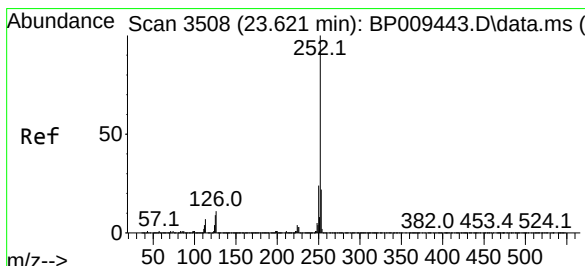
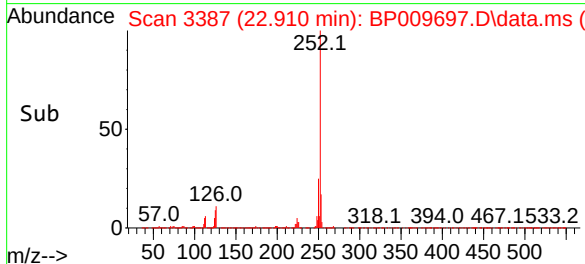
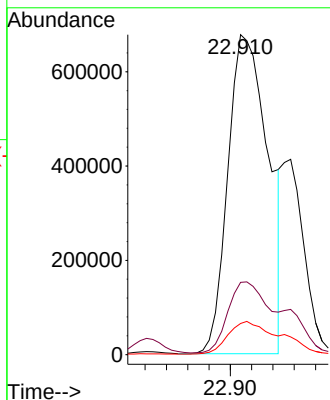
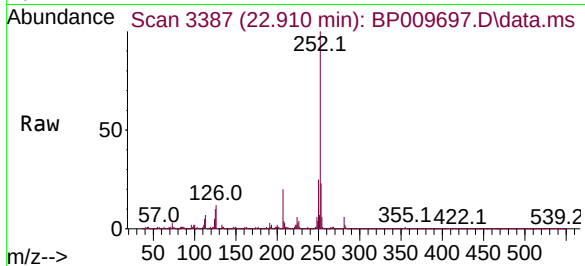




#89
Benzo(k)fluoranthene
Concen: 20.369 ng
RT: 22.910 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

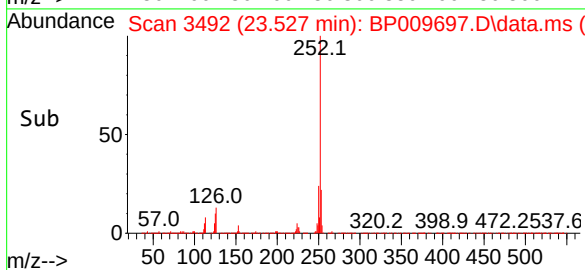
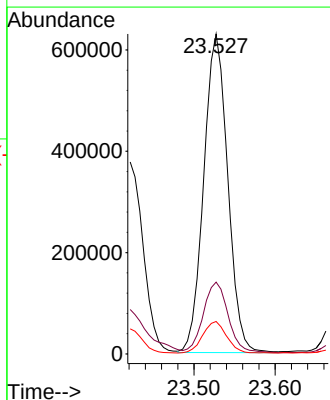
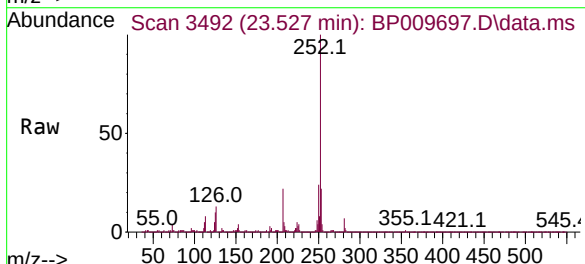
Instrument :
BNA_P
ClientSampleId :
TP-4DL

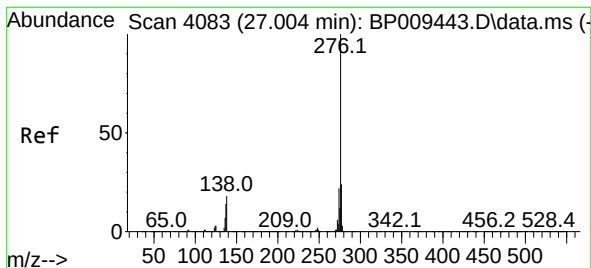
Tgt Ion:252 Resp: 1780469
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 9.7 8.3 12.5



#90
Benzo(a)pyrene
Concen: 16.910 ng
RT: 23.527 min Scan# 3492
Delta R.T. -0.000 min
Lab File: BP009697.D
Acq: 05 Apr 2022 14:28

Tgt Ion:252 Resp: 1291605
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 10.2 9.3 13.9





#92

Benzo(g,h,i)perylene

Concen: 7.498 ng

RT: 26.856 min Scan# 40

Delta R.T. -0.006 min

Lab File: BP009697.D

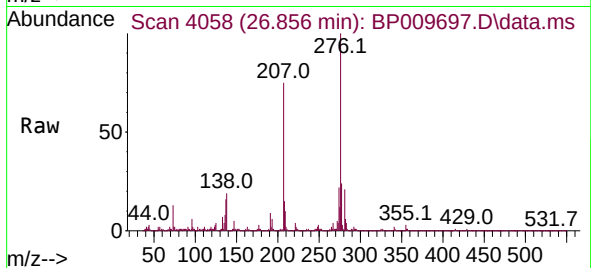
Acq: 05 Apr 2022 14:28

Instrument :

BNA_P

ClientSampleId :

TP-4DL



Tgt Ion:276 Resp: 697529

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 19.4 18.0 27.0

