

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
 Data File : BP009583.D
 Acq On : 29 Mar 2022 01:05
 Operator : CG/JU
 Sample : N2095-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-06-4.0-5.0

Quant Time: Mar 29 03:15:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 06:34:38 2022
 Response via : Initial Calibration

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

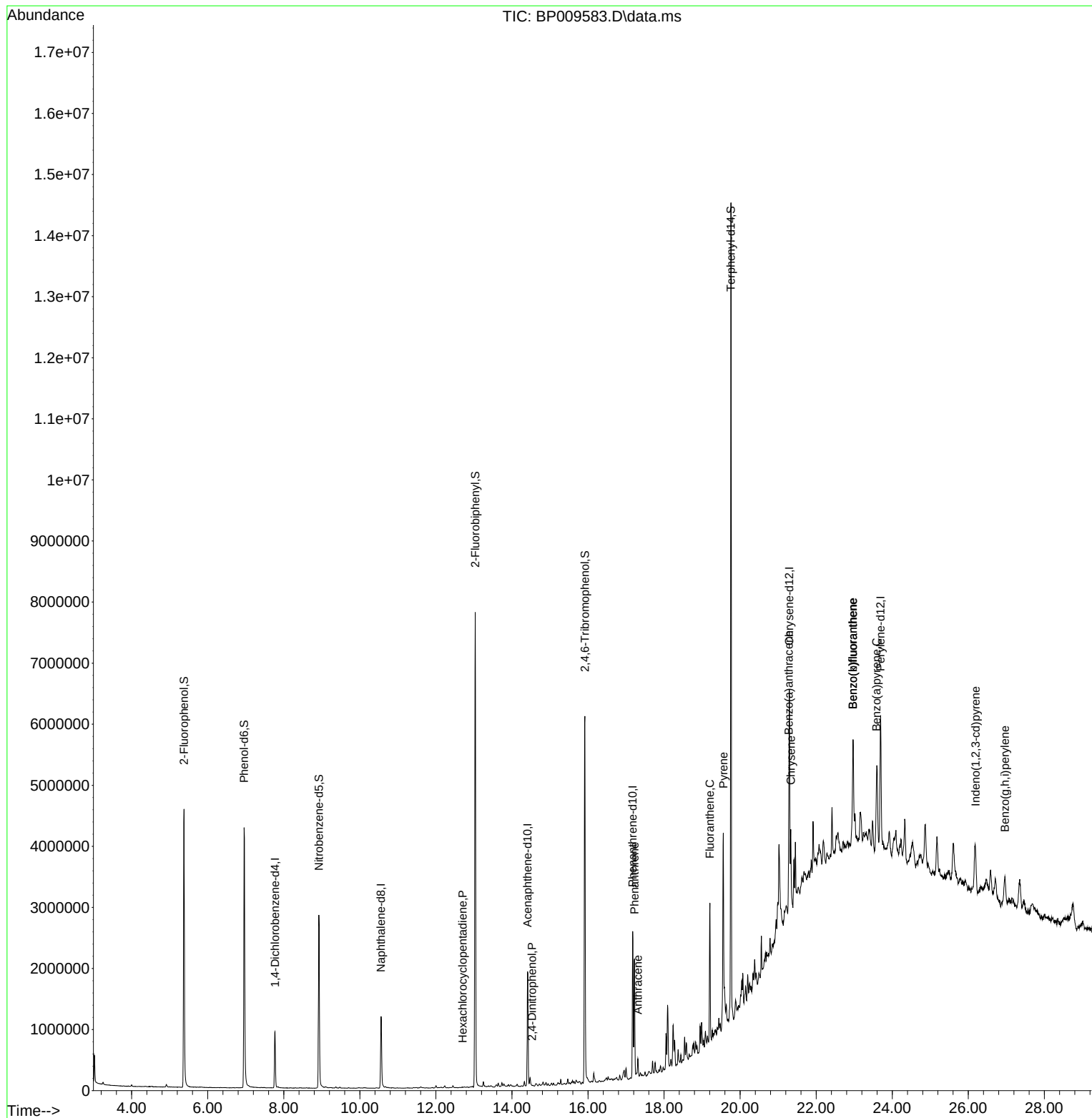
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	295221	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	1155083	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	752689	20.000	ng	-0.01
64) Phenanthrene-d10	17.175	188	1579918	20.000	ng	-0.01
76) Chrysene-d12	21.292	240	1543894	20.000	ng	0.00
86) Perylene-d12	23.692	264	1708461	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2425943	143.470	ng	0.00
7) Phenol-d6	6.958	99	3062325	133.918	ng	0.00
23) Nitrobenzene-d5	8.922	82	1935182	89.030	ng	-0.01
42) 2,4,6-Tribromophenol	15.916	330	1406746	113.258	ng	0.00
45) 2-Fluorobiphenyl	13.034	172	4506166	82.994	ng	0.00
79) Terphenyl-d14	19.757	244	7099797	82.540	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.963	77	6367	Below Cal	#	17
41) Hexachlorocyclopentadiene	12.704	237	27	7.291	ng	78
54) 2,4-Dinitrophenol	14.528	184	61	4.540	ng	# 1
71) Phenanthrene	17.222	178	1298355	15.352	ng	100
72) Anthracene	17.310	178	181821	2.177	ng	97
75) Fluoranthene	19.204	202	1369798	13.378	ng	98
78) Pyrene	19.557	202	1951165	19.179	ng	100
81) Benzo(a)anthracene	21.280	228	673062	6.636	ng	96
83) Chrysene	21.333	228	710260	7.395	ng	97
87) Indeno(1,2,3-cd)pyrene	26.192	276	501565	3.870	ng	# 94
88) Benzo(b)fluoranthene	22.963	252	1059269	10.386	ng	# 79
89) Benzo(k)fluoranthene	22.963	252	1059269	10.608	ng	# 79
90) Benzo(a)pyrene	23.586	252	576818	6.610	ng	# 90
92) Benzo(g,h,i)perylene	26.962	276	612831	5.767	ng	96

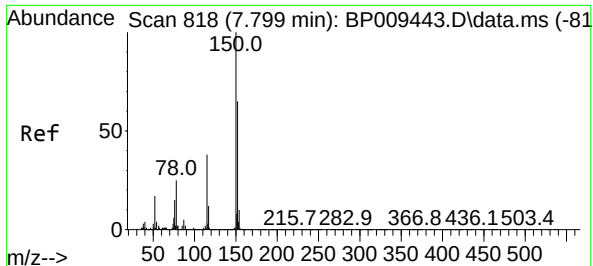
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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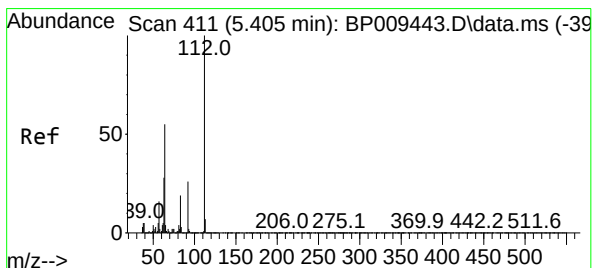
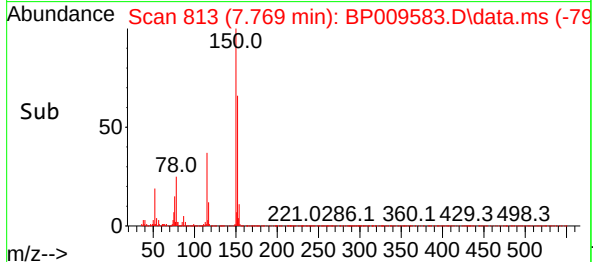
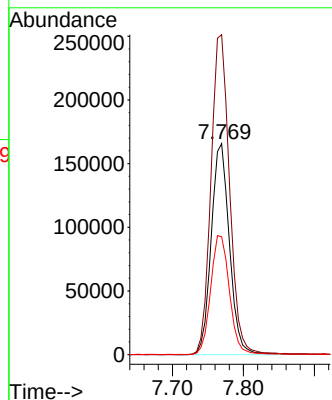
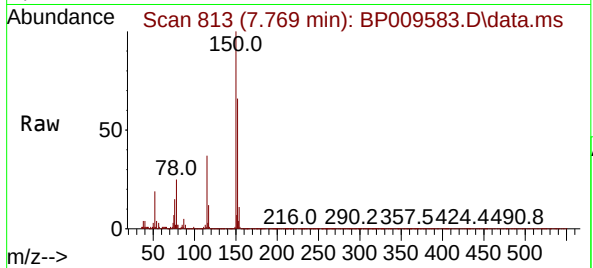




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009583.D
Acq: 29 Mar 2022 01:05

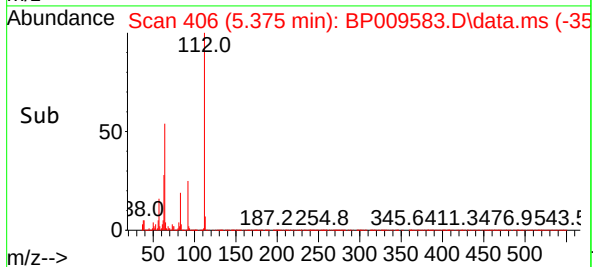
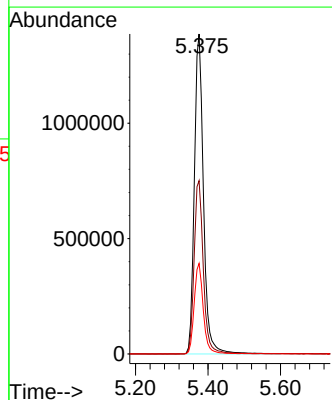
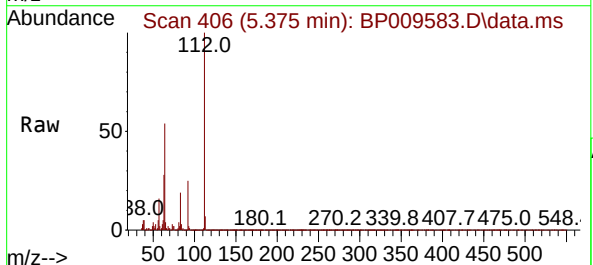
Instrument :
BNA_P
ClientSampleId :
SB-06-4.0-5.0

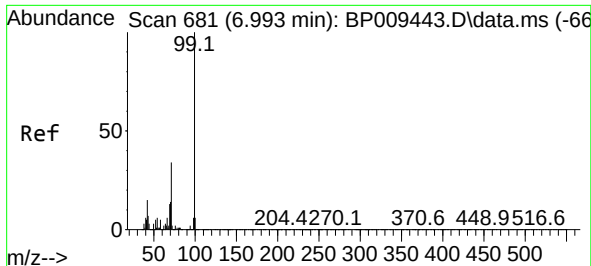
Tgt Ion:152 Resp: 295221
Ion Ratio Lower Upper
152 100
150 151.7 124.5 186.7
115 55.9 48.2 72.4



#5
2-Fluorophenol
Concen: 143.470 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.000 min
Lab File: BP009583.D
Acq: 29 Mar 2022 01:05

Tgt Ion:112 Resp: 2425943
Ion Ratio Lower Upper
112 100
64 54.2 45.0 67.4
63 28.3 23.0 34.6

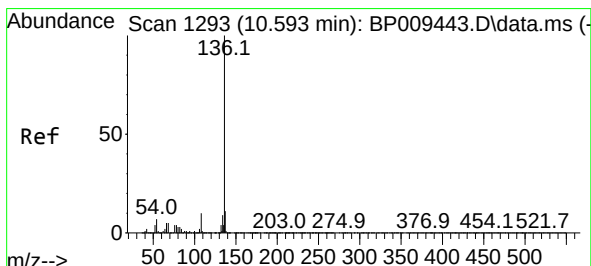
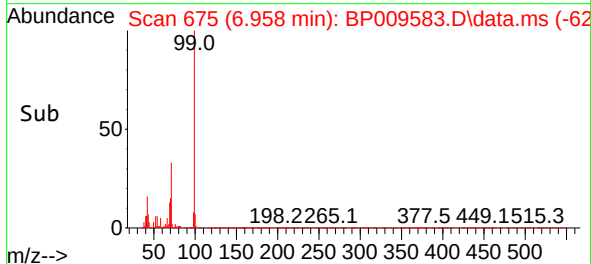
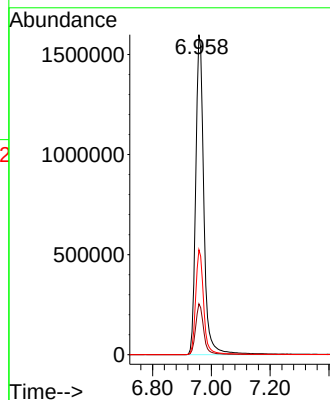
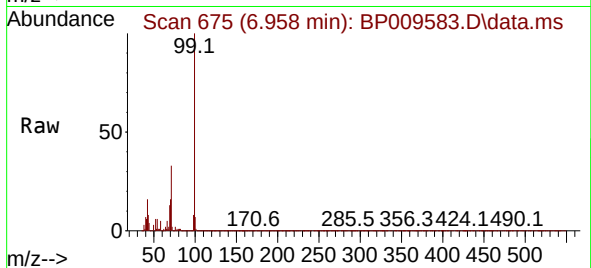




#7
Phenol-d6
Concen: 133.918 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009583.D
Acq: 29 Mar 2022 01:05

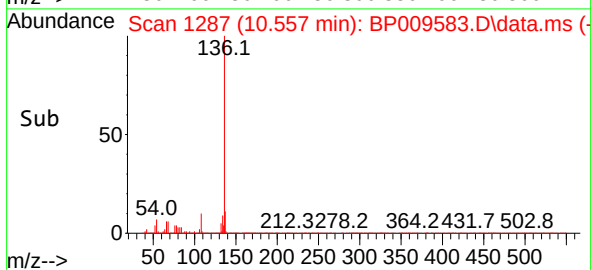
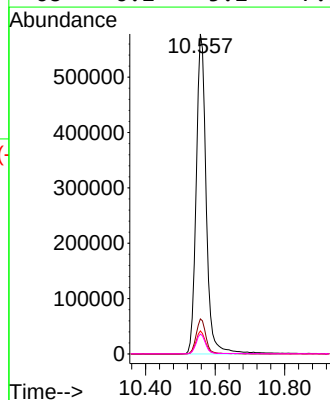
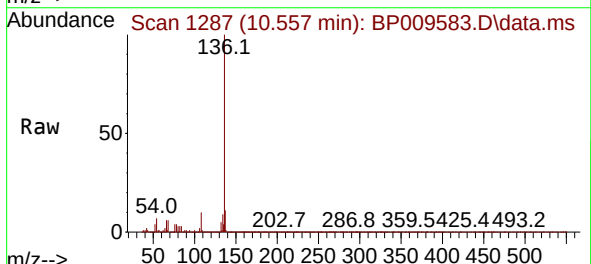
Instrument :
BNA_P
ClientSampleId :
SB-06-4.0-5.0

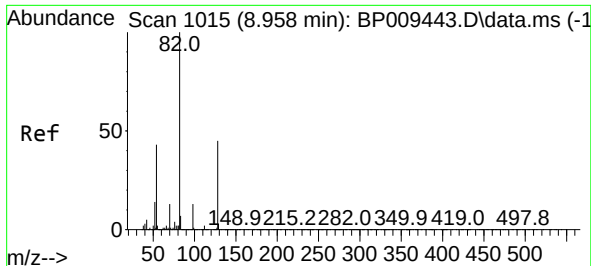
Tgt Ion: 99 Resp: 3062325
Ion Ratio Lower Upper
99 100
42 15.9 12.8 19.2
71 32.8 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009583.D
Acq: 29 Mar 2022 01:05

Tgt Ion: 136 Resp: 1155083
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.2 5.8 8.8
68 6.2 5.2 7.8





#23

Nitrobenzene-d5

Concen: 89.030 ng

RT: 8.922 min Scan# 1009

Delta R.T. -0.012 min

Lab File: BP009583.D

Acq: 29 Mar 2022 01:05

Instrument :

BNA_P

ClientSampleId :

SB-06-4.0-5.0

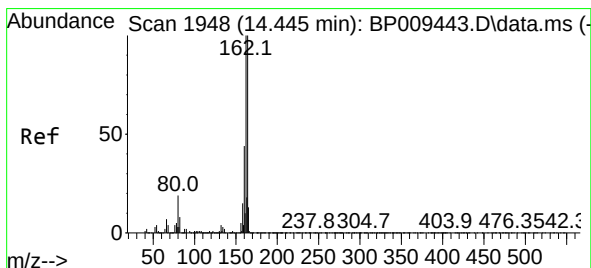
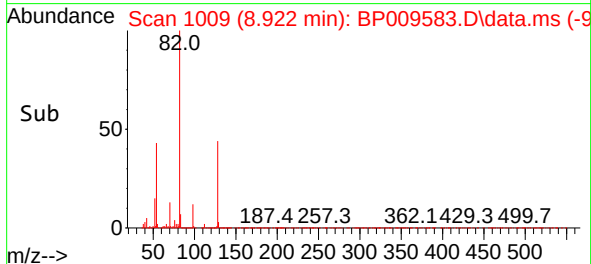
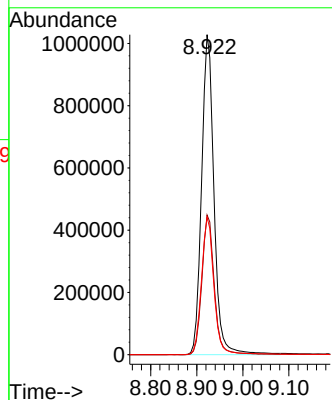
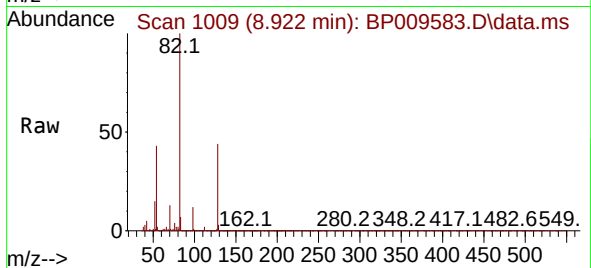
Tgt Ion: 82 Resp: 1935182

Ion Ratio Lower Upper

82 100

128 43.7 34.2 51.4

54 42.9 34.7 52.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1942

Delta R.T. -0.012 min

Lab File: BP009583.D

Acq: 29 Mar 2022 01:05

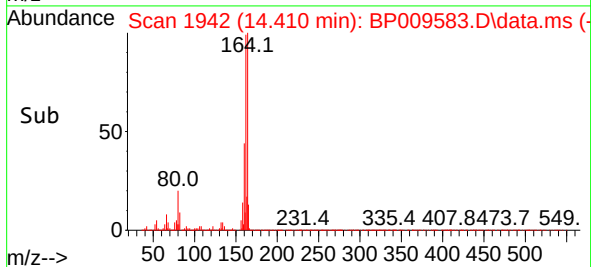
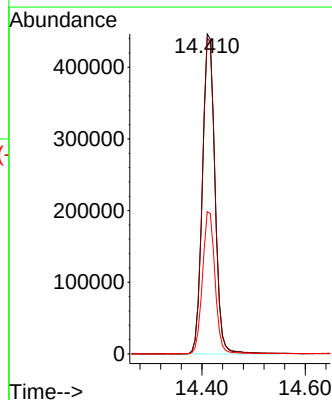
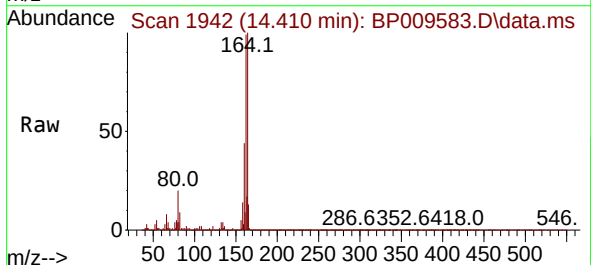
Tgt Ion:164 Resp: 752689

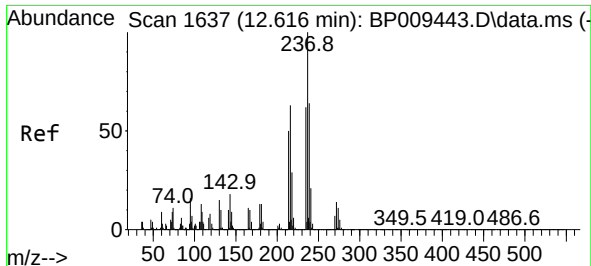
Ion Ratio Lower Upper

164 100

162 98.8 79.1 118.7

160 44.5 34.9 52.3

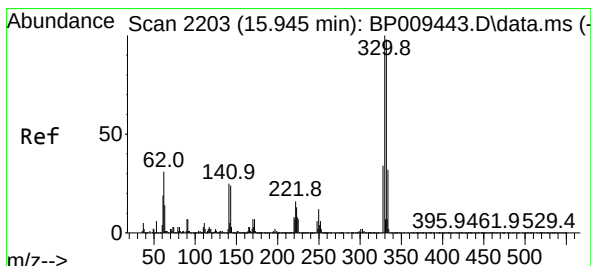
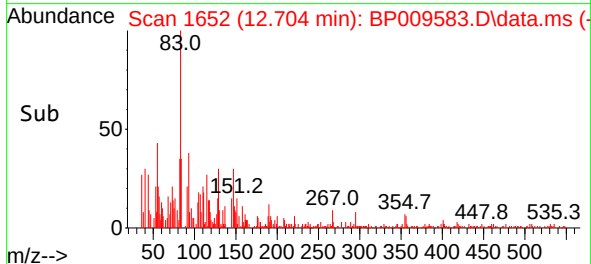
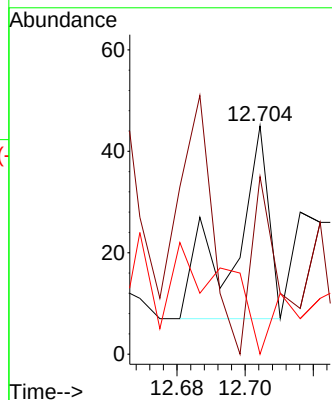
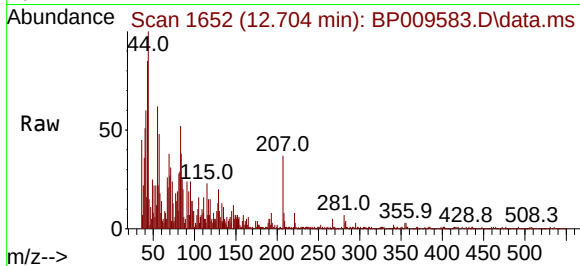




#41
Hexachlorocyclopentadiene
Concen: 7.291 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.118 min
Lab File: BP009583.D
Acq: 29 Mar 2022 01:05

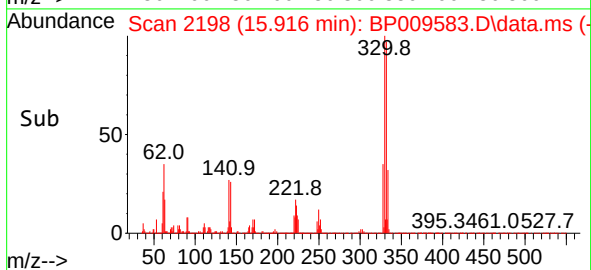
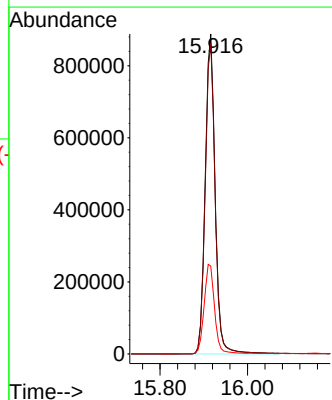
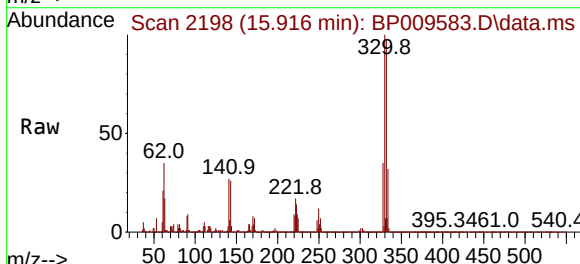
Instrument :
BNA_P
ClientSampleId :
SB-06-4.0-5.0

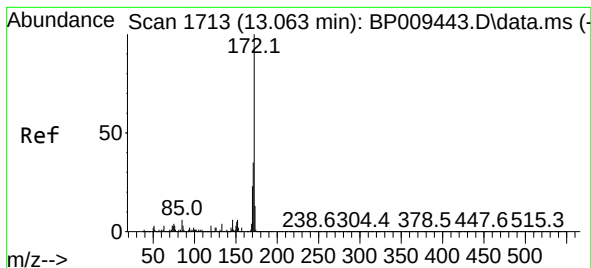
Tgt Ion:237	Resp:	27	
Ion	Ratio	Lower	Upper
237	100		
235	77.8	42.6	82.6
272	0.0	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 113.258 ng
RT: 15.916 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BP009583.D
Acq: 29 Mar 2022 01:05

Tgt Ion:330	Resp:	1406746	
Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	29.4	27.6	41.4





#45

2-Fluorobiphenyl

Concen: 82.994 ng

RT: 13.034 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP009583.D

Acq: 29 Mar 2022 01:05

Instrument :

BNA_P

ClientSampleId :

SB-06-4.0-5.0

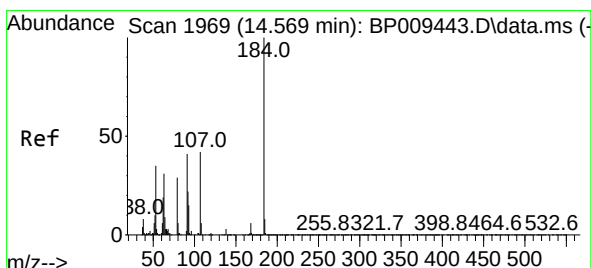
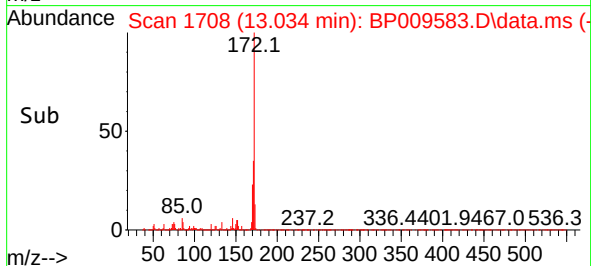
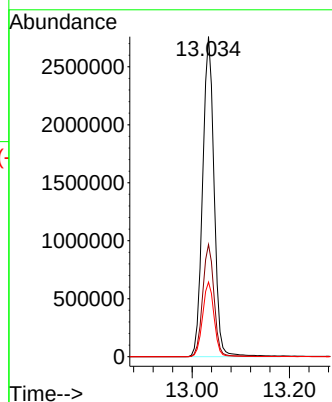
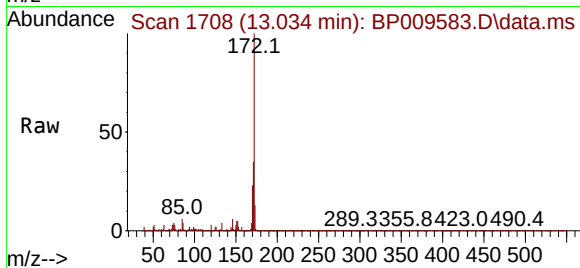
Tgt Ion:172 Resp: 4506166

Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 23.3 18.6 27.8



#54

2,4-Dinitrophenol

Concen: 4.540 ng

RT: 14.528 min Scan# 1962

Delta R.T. -0.024 min

Lab File: BP009583.D

Acq: 29 Mar 2022 01:05

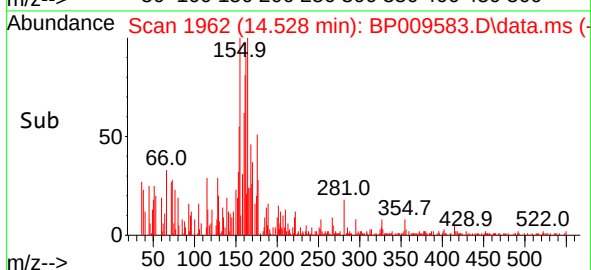
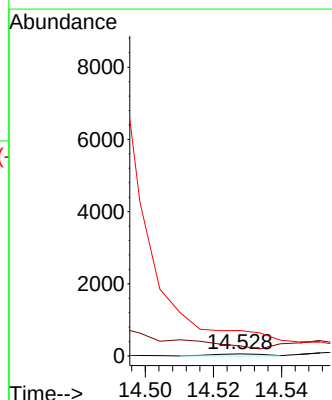
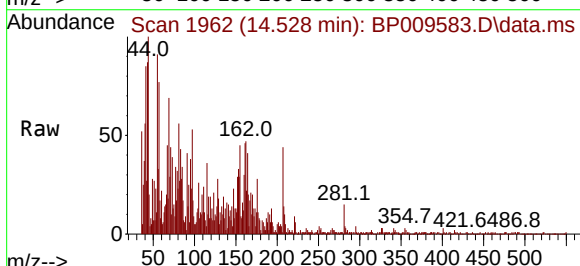
Tgt Ion:184 Resp: 61

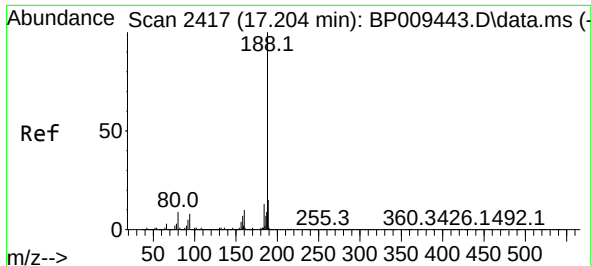
Ion Ratio Lower Upper

184 100

63 474.6 46.3 69.5#

154 1191.5 45.8 68.6#

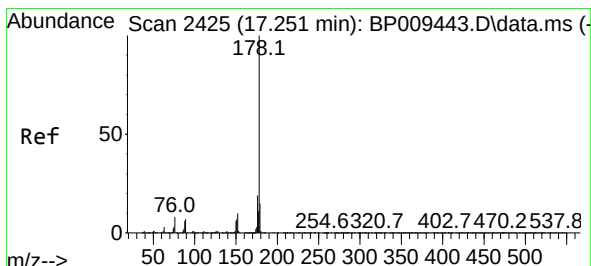
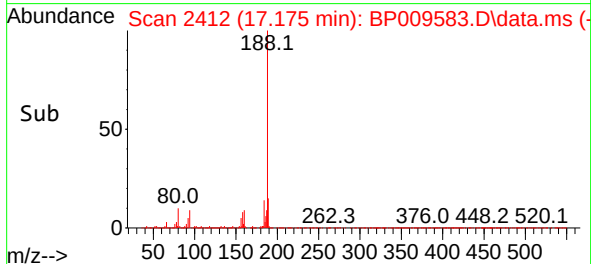
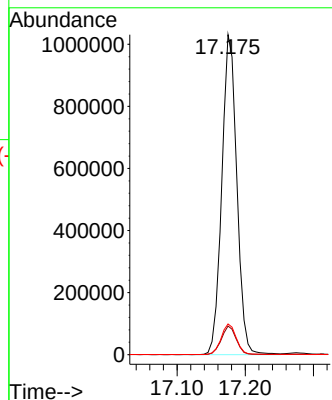
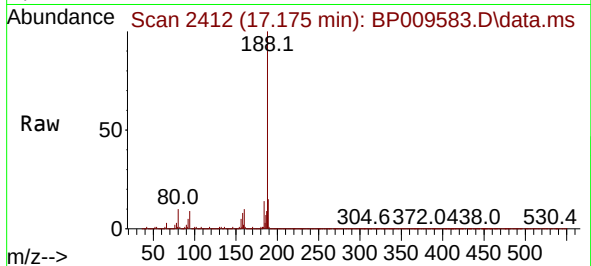




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP009583.D
Acq: 29 Mar 2022 01:05

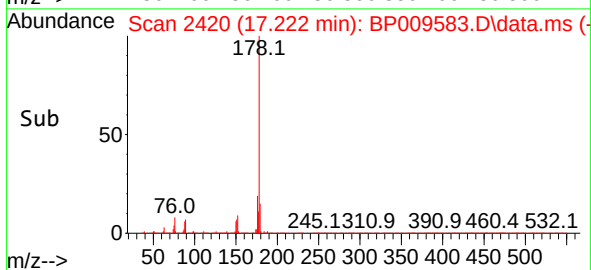
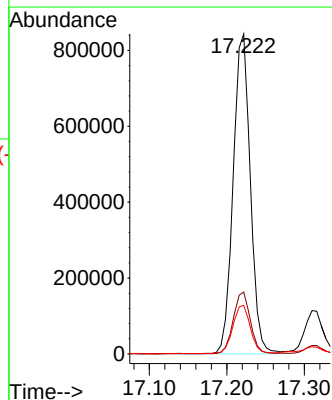
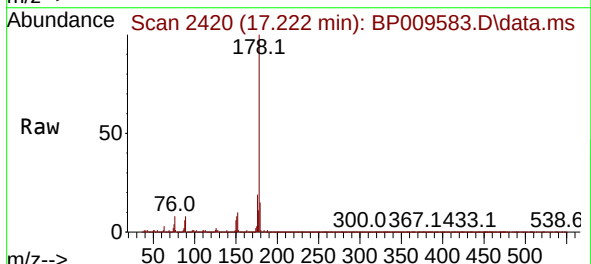
Instrument :
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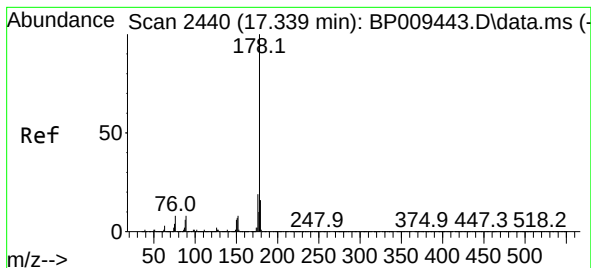
Tgt Ion:188 Resp: 1579918
Ion Ratio Lower Upper
188 100
94 8.9 7.9 11.9
80 9.6 8.8 13.2



#71
Phenanthrene
Concen: 15.352 ng
RT: 17.222 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BP009583.D
Acq: 29 Mar 2022 01:05

Tgt Ion:178 Resp: 1298355
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.2 12.3 18.5





#72

Anthracene

Concen: 2.177 ng

RT: 17.310 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BP009583.D

Acq: 29 Mar 2022 01:05

Instrument :

BNA_P

ClientSampleId :

SB-06-4.0-5.0

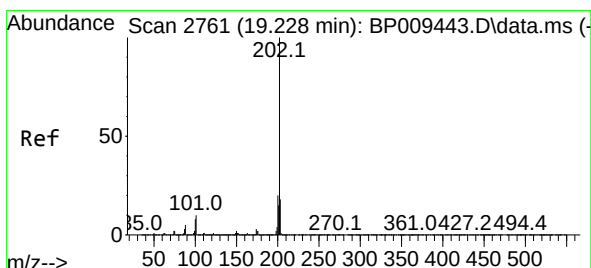
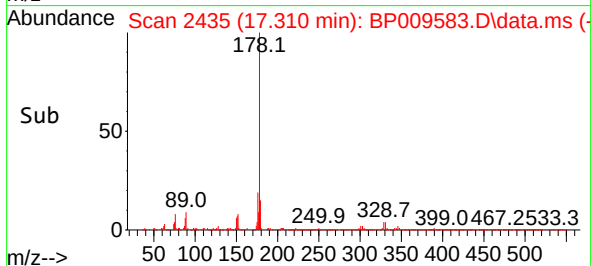
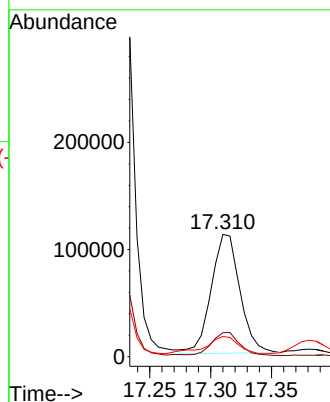
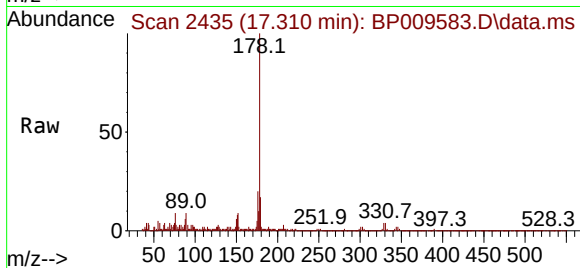
Tgt Ion:178 Resp: 181821

Ion Ratio Lower Upper

178 100

176 19.6 14.8 22.2

179 16.5 12.2 18.4



#75

Fluoranthene

Concen: 13.378 ng

RT: 19.204 min Scan# 2757

Delta R.T. -0.006 min

Lab File: BP009583.D

Acq: 29 Mar 2022 01:05

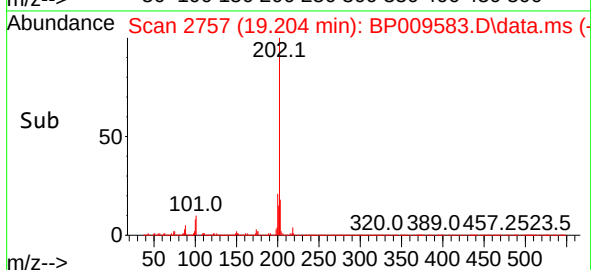
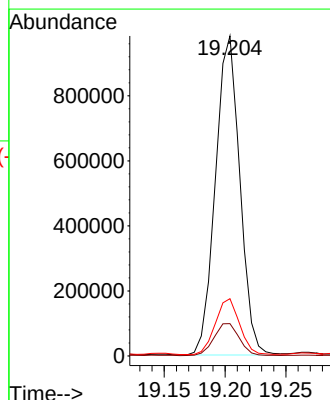
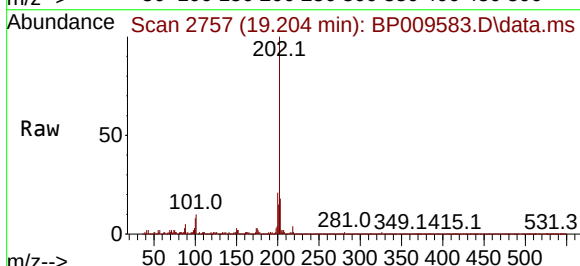
Tgt Ion:202 Resp: 1369798

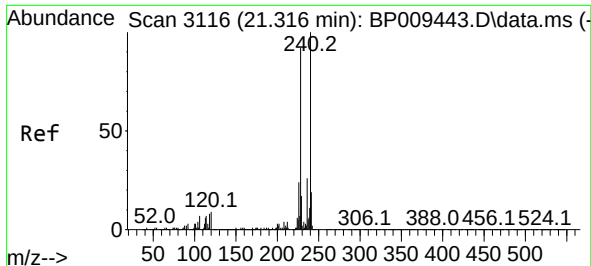
Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.5

203 17.9 0.0 37.8

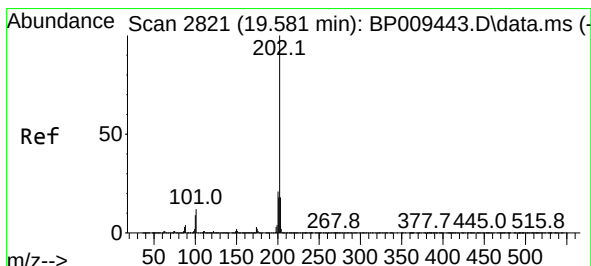
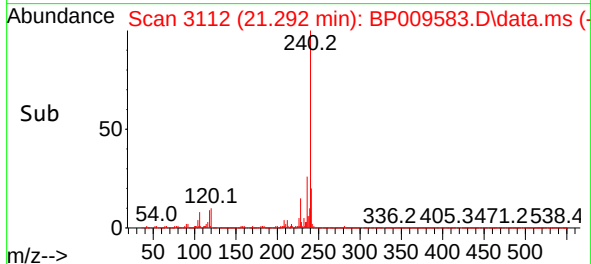
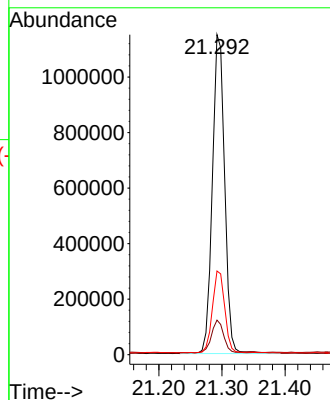
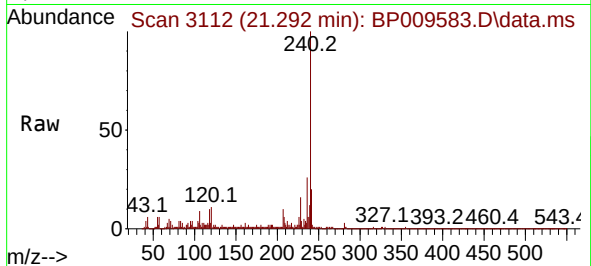




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP009583.D
Acq: 29 Mar 2022 01:05

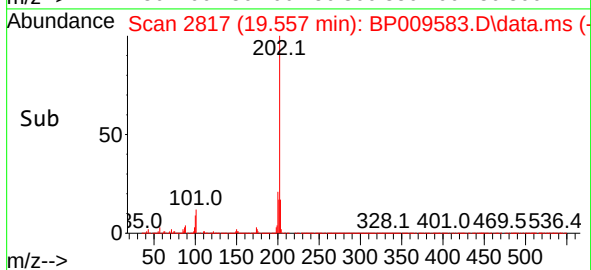
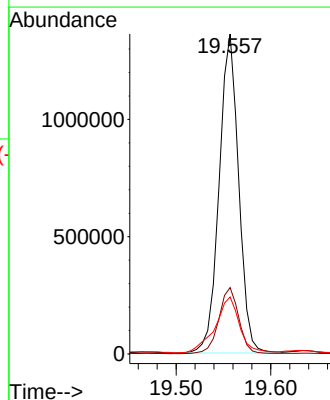
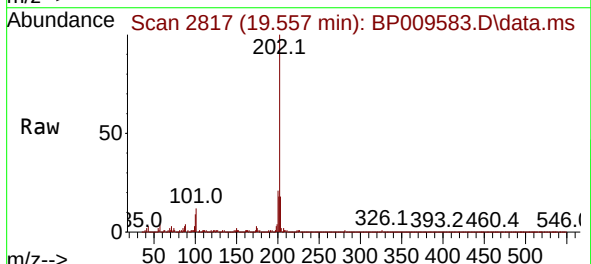
Instrument :
BNA_P
ClientSampleId :
SB-06-4.0-5.0

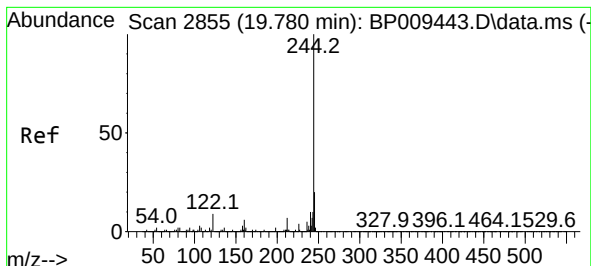
Tgt Ion:240 Resp: 1543894
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.4
236 26.2 20.6 30.8



#78
Pyrene
Concen: 19.179 ng
RT: 19.557 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP009583.D
Acq: 29 Mar 2022 01:05

Tgt Ion:202 Resp: 1951165
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 82.540 ng

RT: 19.757 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009583.D

Acq: 29 Mar 2022 01:05

Instrument :

BNA_P

ClientSampleId :

SB-06-4.0-5.0

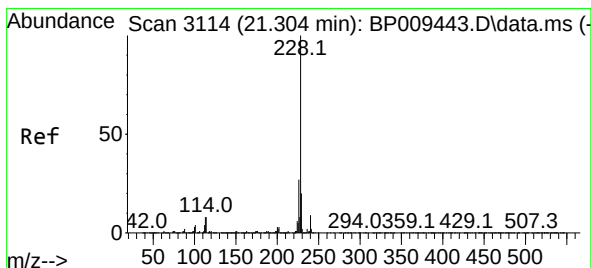
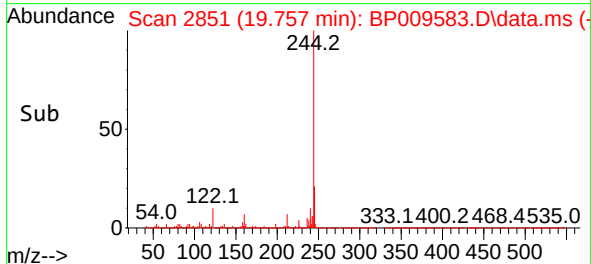
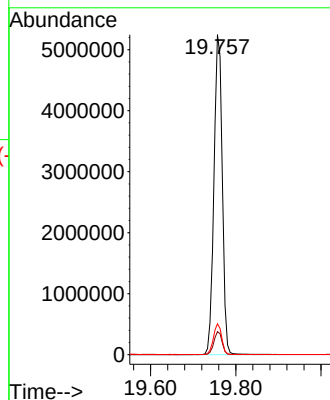
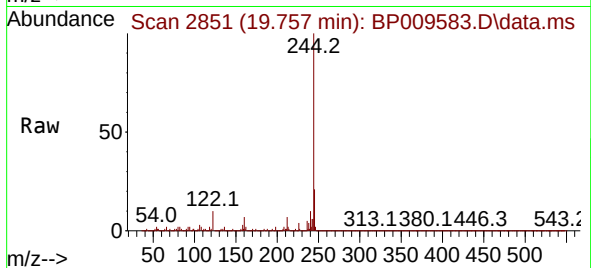
Tgt Ion:244 Resp: 7099797

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.7 8.3 12.5



#81

Benzo(a)anthracene

Concen: 6.636 ng

RT: 21.280 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP009583.D

Acq: 29 Mar 2022 01:05

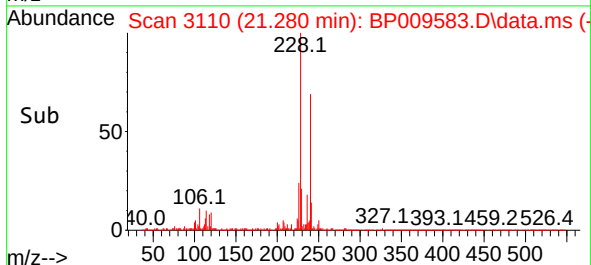
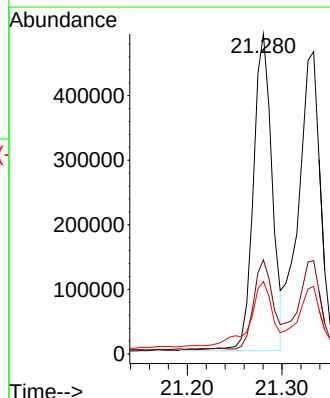
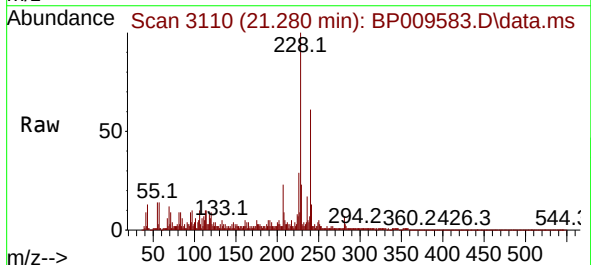
Tgt Ion:228 Resp: 673062

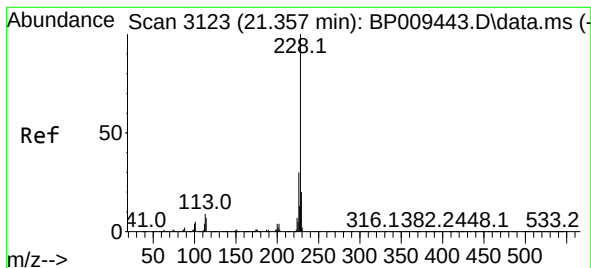
Ion Ratio Lower Upper

228 100

226 29.4 22.0 33.0

229 22.7 16.1 24.1





#83

Chrysene

Concen: 7.395 ng

RT: 21.333 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP009583.D

Acq: 29 Mar 2022 01:05

Instrument :

BNA_P

ClientSampleId :

SB-06-4.0-5.0

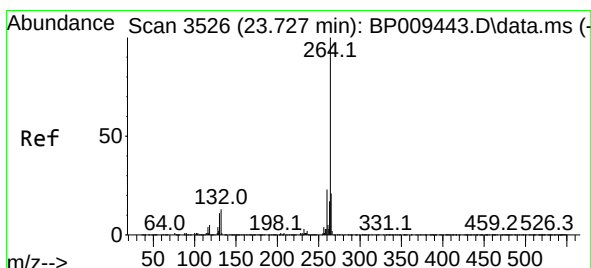
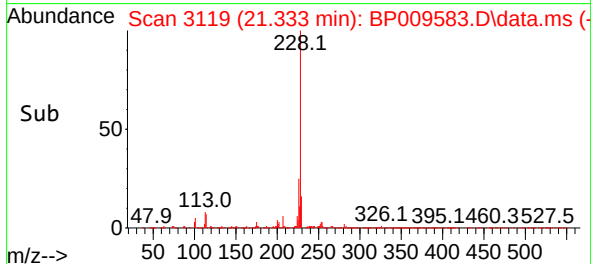
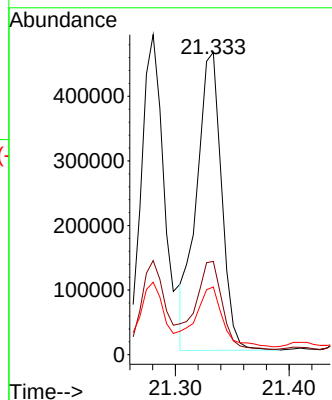
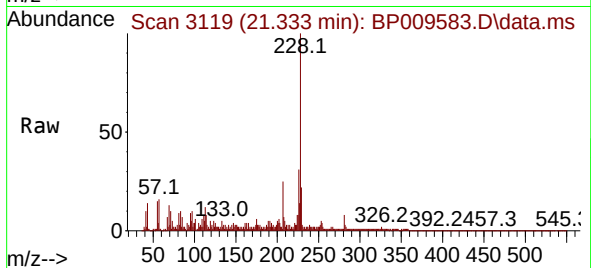
Tgt Ion:228 Resp: 710260

Ion Ratio Lower Upper

228 100

226 30.9 24.2 36.2

229 22.4 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.692 min Scan# 3520

Delta R.T. -0.000 min

Lab File: BP009583.D

Acq: 29 Mar 2022 01:05

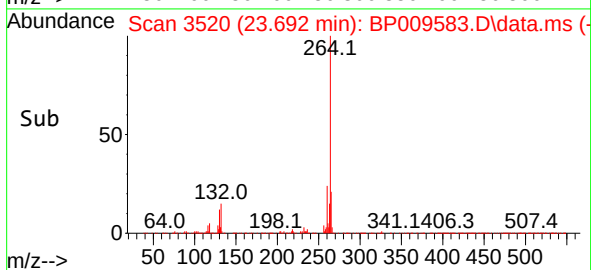
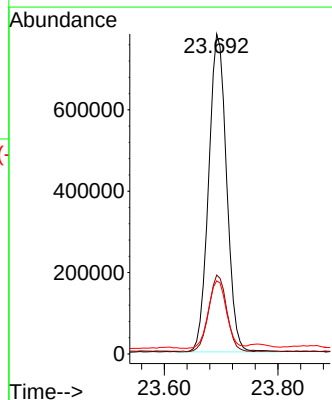
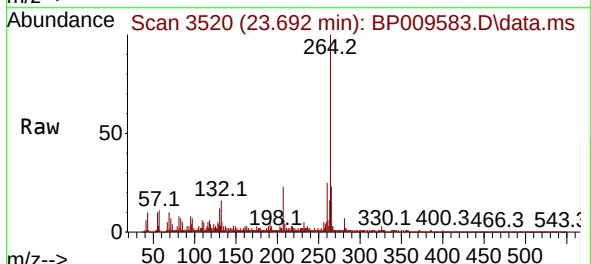
Tgt Ion:264 Resp: 1708461

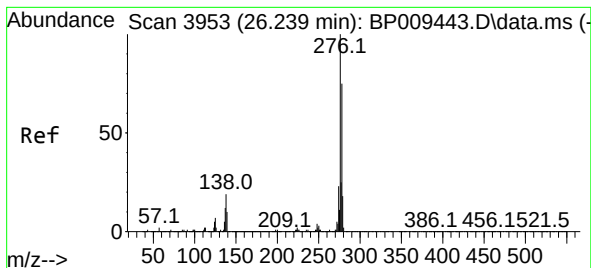
Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.0

265 22.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.870 ng

RT: 26.192 min Scan# 3395

Delta R.T. -0.006 min

Lab File: BP009583.D

Acq: 29 Mar 2022 01:05

Instrument :

BNA_P

ClientSampleId :

SB-06-4.0-5.0

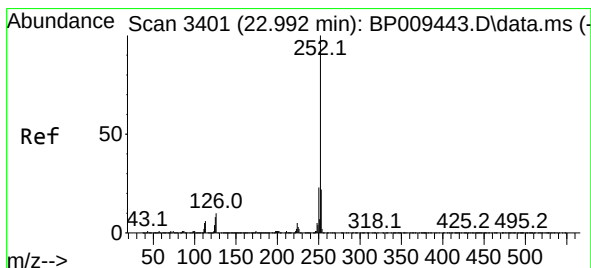
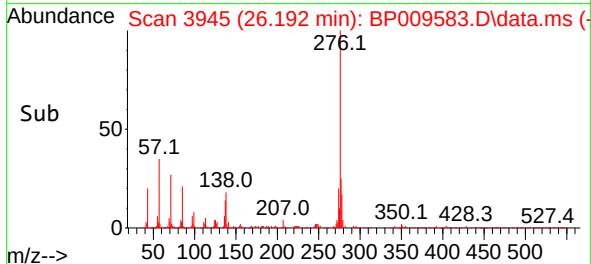
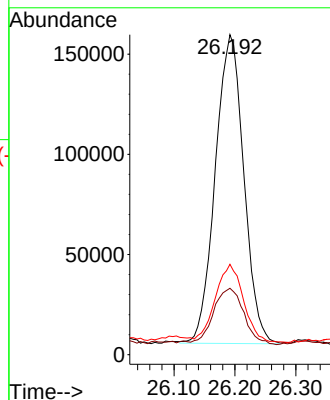
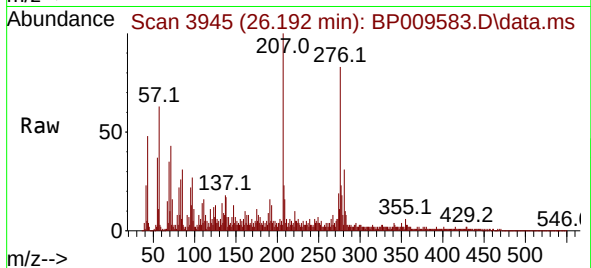
Tgt Ion:276 Resp: 501565

Ion Ratio Lower Upper

276 100

138 19.4 20.5 30.7#

277 25.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 10.386 ng

RT: 22.963 min Scan# 3396

Delta R.T. -0.000 min

Lab File: BP009583.D

Acq: 29 Mar 2022 01:05

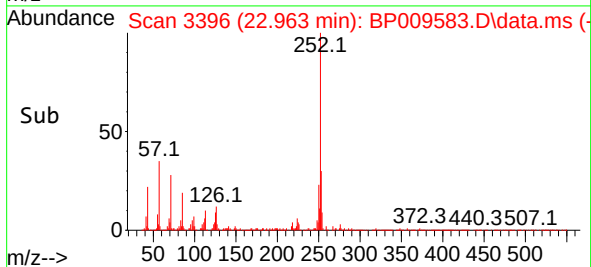
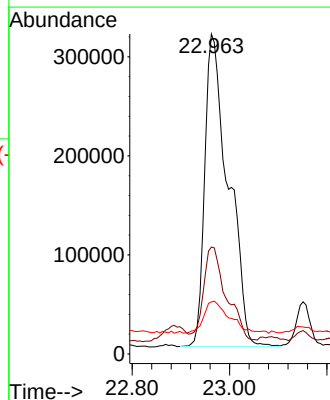
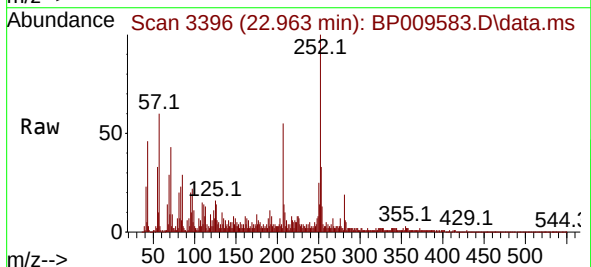
Tgt Ion:252 Resp: 1059269

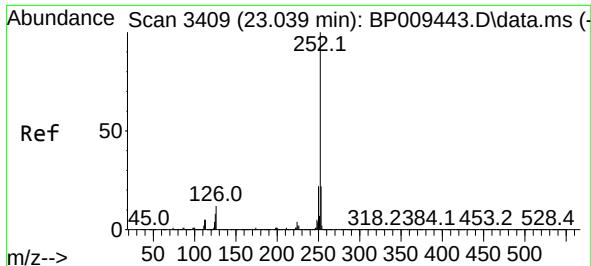
Ion Ratio Lower Upper

252 100

253 33.4 17.8 26.8#

125 16.2 8.1 12.1#

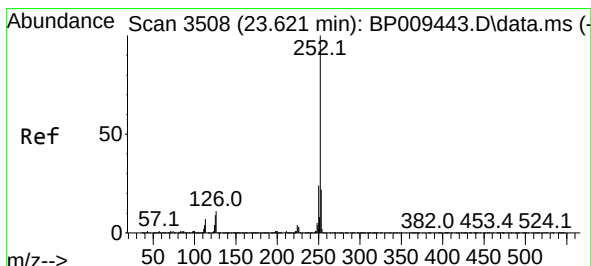
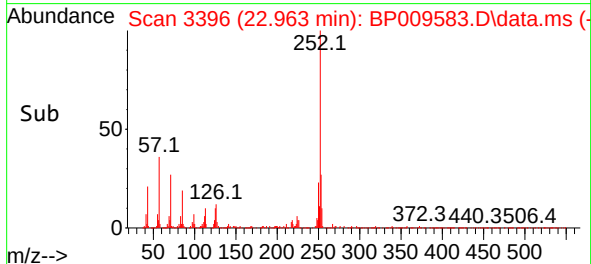
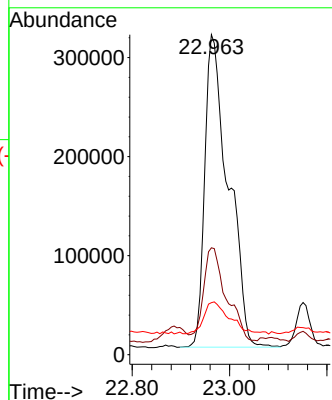
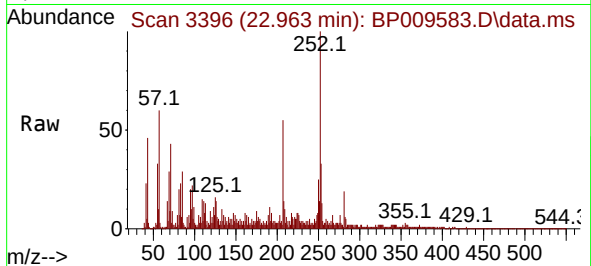




#89
Benzo(k)fluoranthene
Concen: 10.608 ng
RT: 22.963 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP009583.D
Acq: 29 Mar 2022 01:05

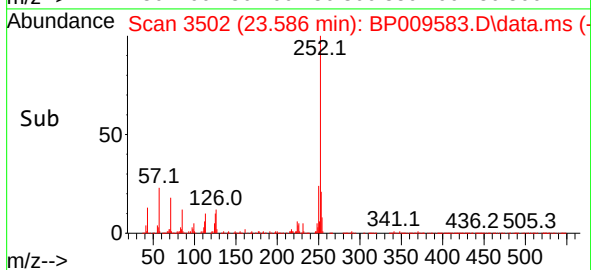
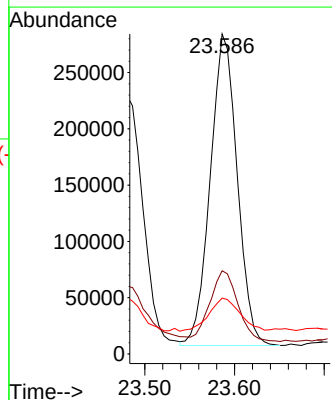
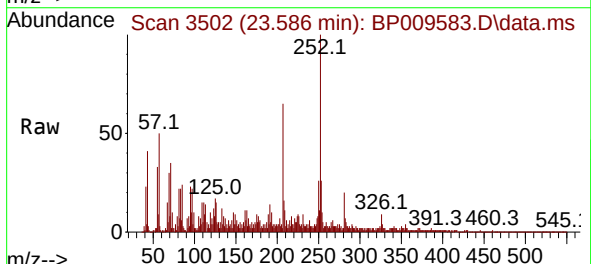
Instrument :
BNA_P
ClientSampleId :
SB-06-4.0-5.0

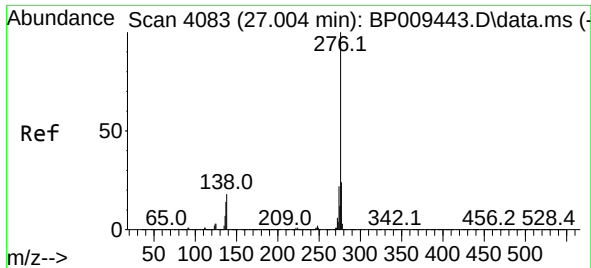
Tgt Ion:252 Resp: 1059269
Ion Ratio Lower Upper
252 100
253 33.4 17.5 26.3#
125 16.2 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 6.610 ng
RT: 23.586 min Scan# 3502
Delta R.T. -0.000 min
Lab File: BP009583.D
Acq: 29 Mar 2022 01:05

Tgt Ion:252 Resp: 576818
Ion Ratio Lower Upper
252 100
253 26.0 17.8 26.6
125 17.4 9.3 13.9#





#92
Benzo(g,h,i)perylene
Concen: 5.767 ng
RT: 26.962 min Scan# 4076
Delta R.T. 0.012 min
Lab File: BP009583.D
Acq: 29 Mar 2022 01:05

Instrument :
BNA_P
ClientSampleId :
SB-06-4.0-5.0

Tgt Ion:276 Resp: 612831
Ion Ratio Lower Upper
276 100
277 25.9 19.2 28.8
138 20.9 18.0 27.0

