

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
 Data File : BP009580.D
 Acq On : 28 Mar 2022 23:24
 Operator : CG/JU
 Sample : N2095-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-07-2.0-3.0

Quant Time: Mar 29 03:14:42 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)

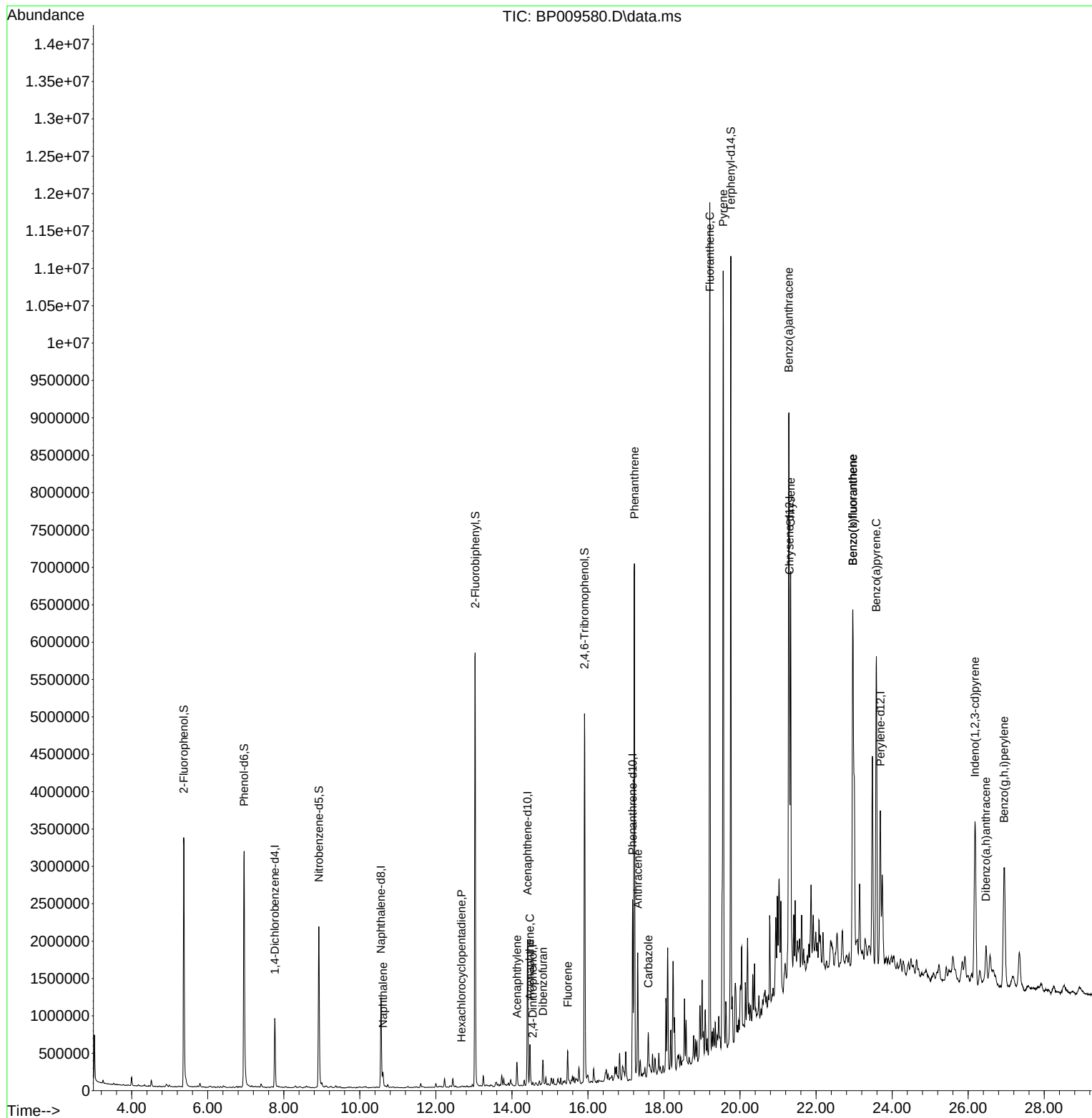
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	284894	20.000	ng	-0.01
21) Naphthalene-d8	10.557	136	1124595	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	725642	20.000	ng	-0.01
64) Phenanthrene-d10	17.175	188	1560434	20.000	ng	-0.01
76) Chrysene-d12	21.298	240	1524570	20.000	ng	0.00
86) Perylene-d12	23.692	264	1690298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1798890	110.242	ng	0.00
7) Phenol-d6	6.957	99	2260983	102.459	ng	0.00
23) Nitrobenzene-d5	8.922	82	1472102	69.561	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	1057074	88.278	ng	-0.01
45) 2-Fluorobiphenyl	13.034	172	3447684	65.866	ng	0.00
79) Terphenyl-d14	19.757	244	5379630	63.335	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.946	77	7602	Below Cal	#	39
31) Naphthalene	10.610	128	179457	3.098	ng	99
41) Hexachlorocyclopentadiene	12.675	237	54	7.293	ng	80
49) Acenaphthylene	14.134	152	260715	3.963	ng	100
52) Acenaphthene	14.475	154	203684	5.183	ng	99
54) 2,4-Dinitrophenol	14.551	184	49	4.539	ng	# 1
55) Dibenzofuran	14.816	168	205583	3.114	ng	# 97
58) Fluorene	15.469	166	215825	4.156	ng	# 99
71) Phenanthrene	17.222	178	4580779	54.840	ng	99
72) Anthracene	17.310	178	1087062	13.181	ng	99
73) Carbazole	17.586	167	399970	4.959	ng	99
75) Fluoranthene	19.204	202	7338895	72.572	ng	99
78) Pyrene	19.557	202	6788147	67.569	ng	99
81) Benzo(a)anthracene	21.280	228	3802369	37.962	ng	97
83) Chrysene	21.333	228	3206753	33.810	ng	97
87) Indeno(1,2,3-cd)pyrene	26.180	276	2423042	18.895	ng	# 93
88) Benzo(b)fluoranthene	22.968	252	6027908	59.738	ng	99
89) Benzo(k)fluoranthene	22.968	252	6029724	61.031	ng	98
90) Benzo(a)pyrene	23.586	252	3478773	40.295	ng	97
91) Dibenzo(a,h)anthracene	26.468	278	405792	3.797	ng	95
92) Benzo(g,h,i)perylene	26.945	276	2360321	22.449	ng	96

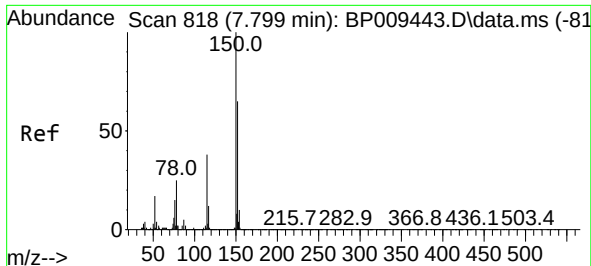
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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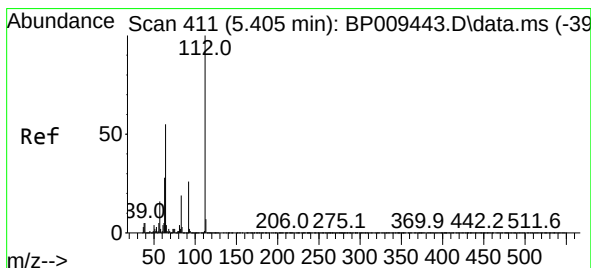
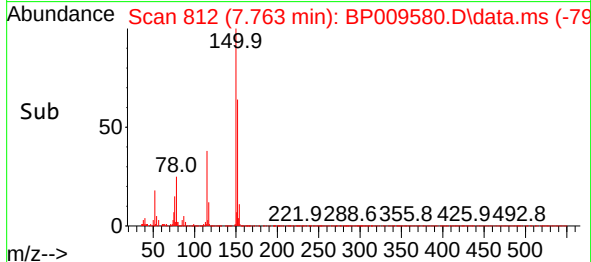
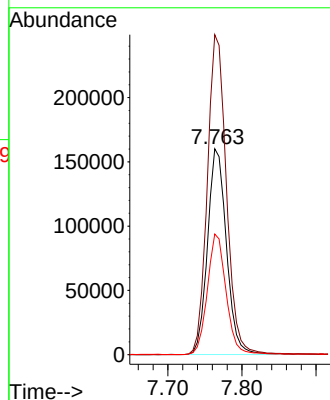
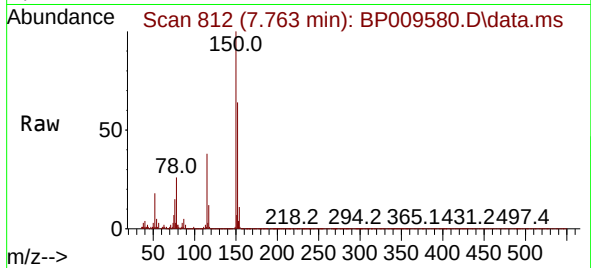




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

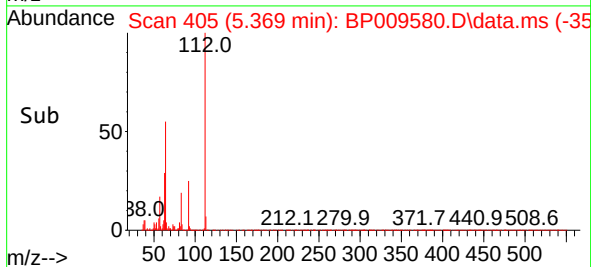
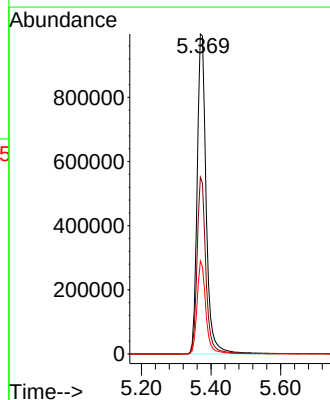
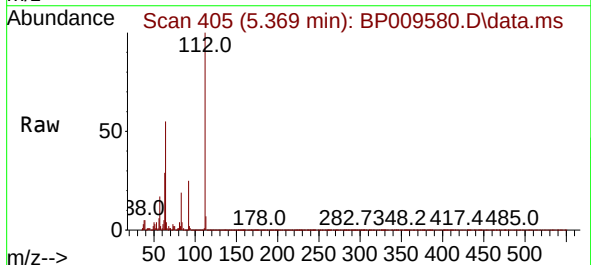
Instrument :
BNA_P
ClientSampleId :
SB-07-2.0-3.0

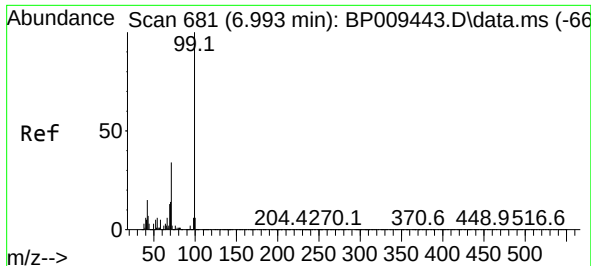
Tgt Ion:152 Resp: 284894
Ion Ratio Lower Upper
152 100
150 155.4 124.5 186.7
115 58.6 48.2 72.4



#5
2-Fluorophenol
Concen: 110.242 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:112 Resp: 1798890
Ion Ratio Lower Upper
112 100
64 55.3 45.0 67.4
63 29.0 23.0 34.6



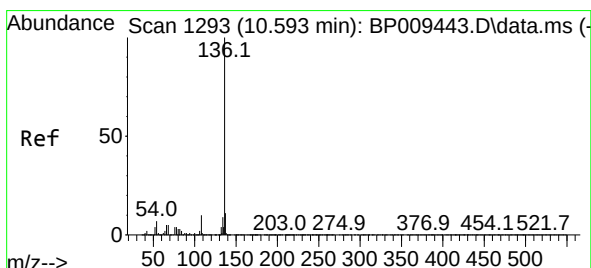
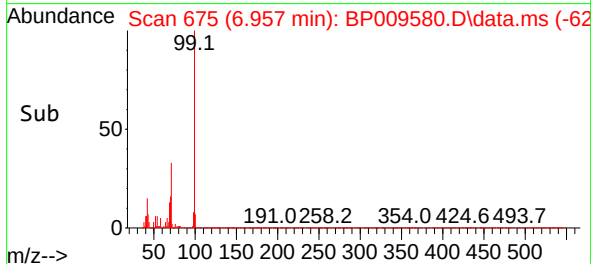
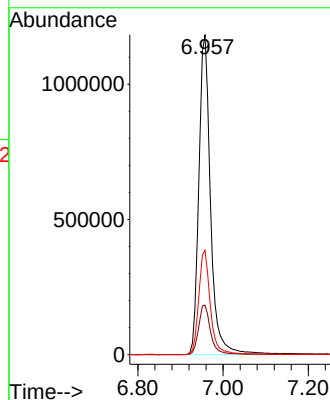
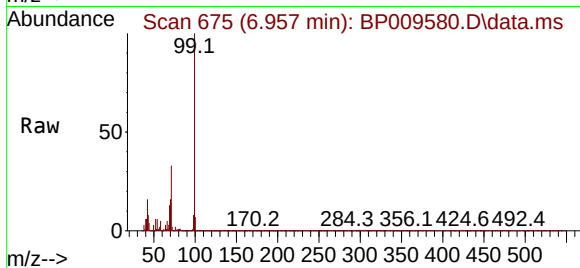


#7
Phenol-d6
Concen: 102.459 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Instrument :
BNA_P
ClientSampleId :
SB-07-2.0-3.0

Tgt Ion: 99 Resp: 2260983

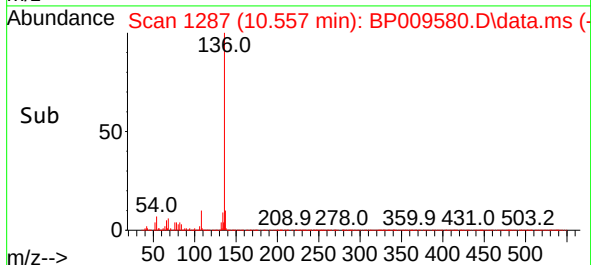
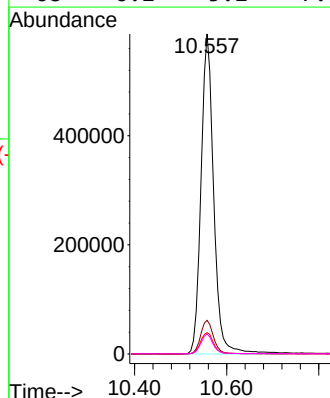
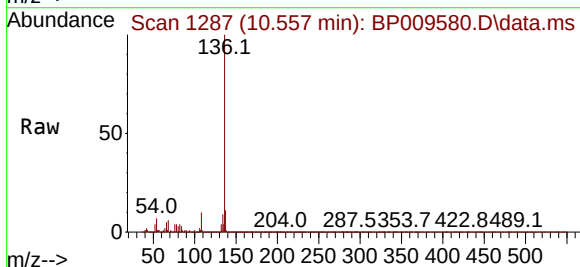
Ion	Ratio	Lower	Upper
99	100		
42	15.5	12.8	19.2
71	32.6	26.3	39.5

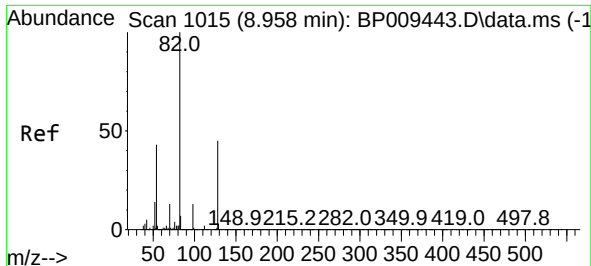


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion: 136 Resp: 1124595

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	6.7	5.8	8.8
68	6.2	5.2	7.8



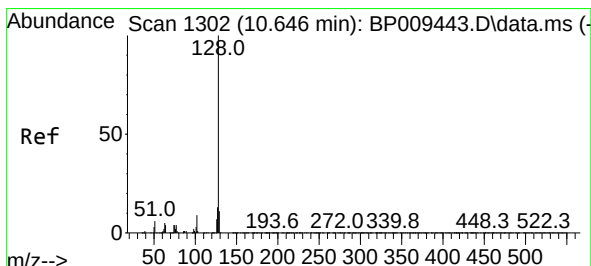
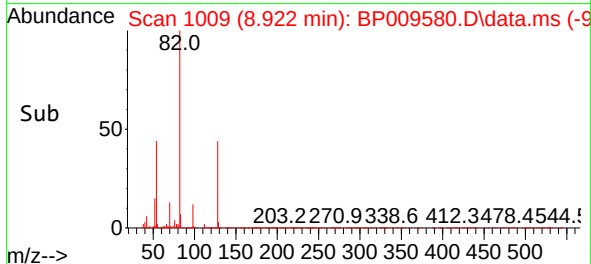
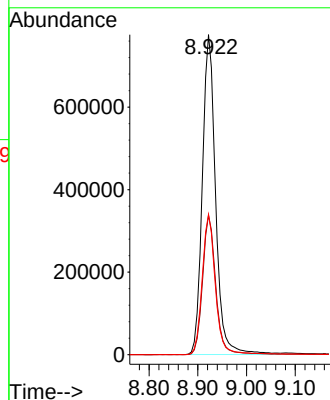
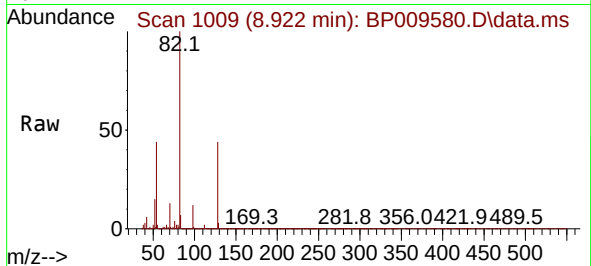


#23
 Nitrobenzene-d5
 Concen: 69.561 ng
 RT: 8.922 min Scan# 1009
 Delta R.T. -0.012 min
 Lab File: BP009580.D
 Acq: 28 Mar 2022 23:24

Instrument :
 BNA_P
 ClientSampleId :
 SB-07-2.0-3.0

Tgt Ion: 82 Resp: 1472102

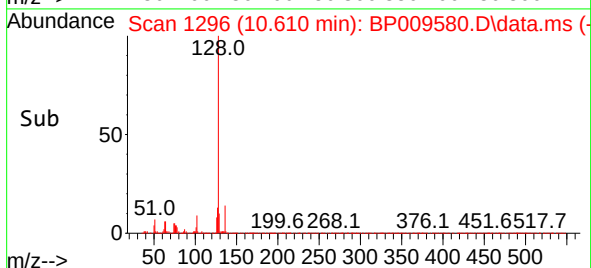
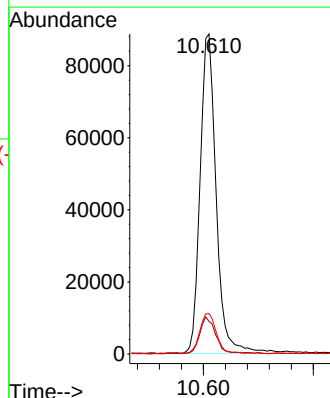
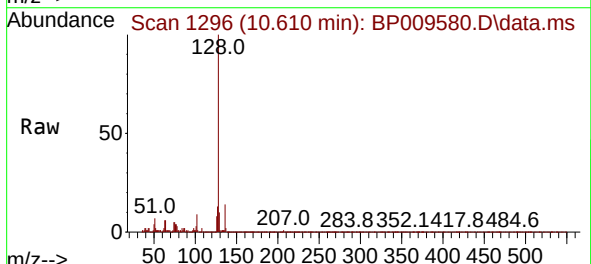
Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.2	51.4
54	43.8	34.7	52.1

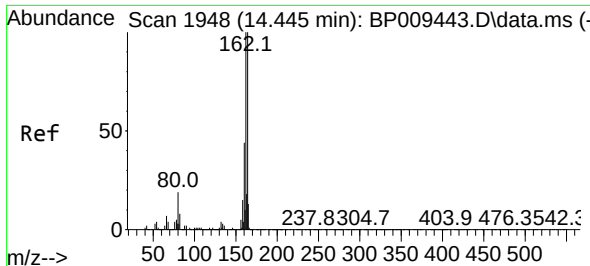


#31
 Naphthalene
 Concen: 3.098 ng
 RT: 10.610 min Scan# 1296
 Delta R.T. -0.006 min
 Lab File: BP009580.D
 Acq: 28 Mar 2022 23:24

Tgt Ion: 128 Resp: 179457

Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.6	13.0
127	12.6	10.5	15.7

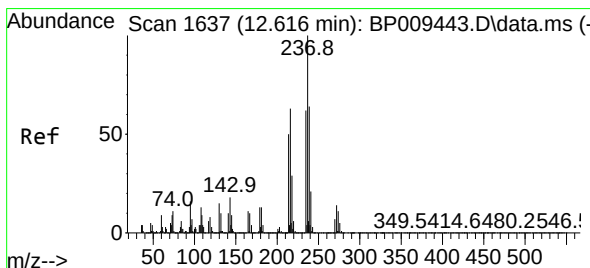
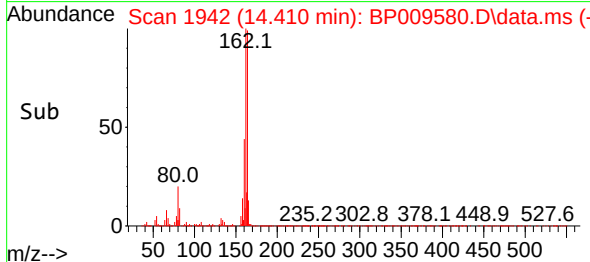
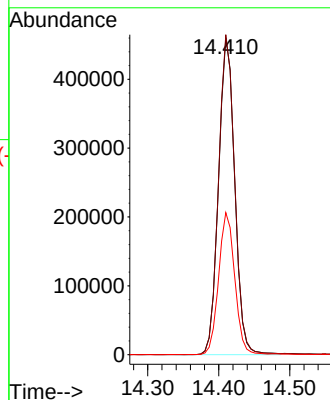
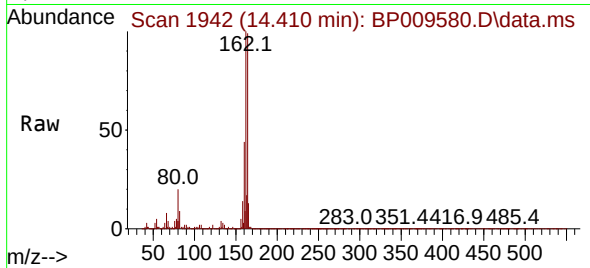




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

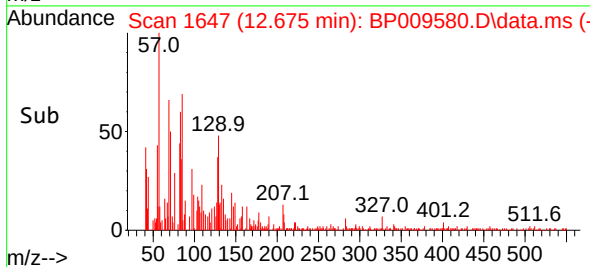
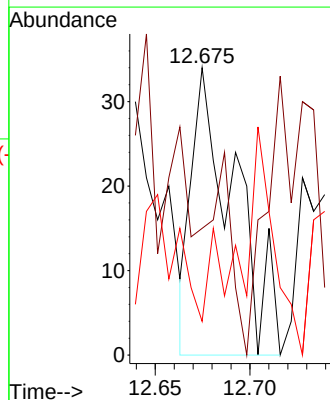
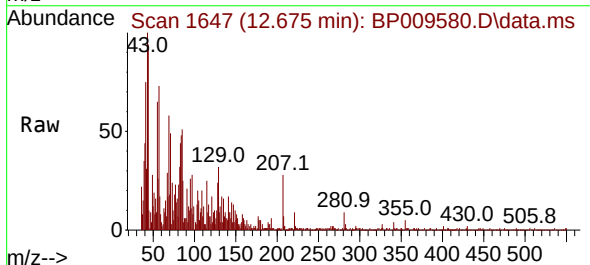
Instrument :
BNA_P
ClientSampleId :
SB-07-2.0-3.0

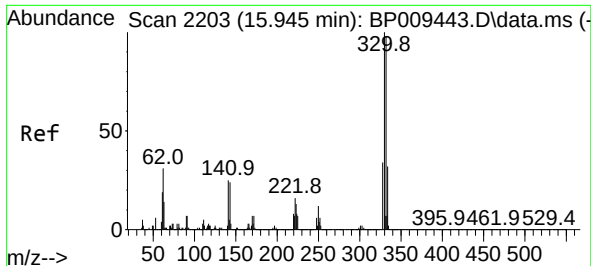
Tgt Ion:164 Resp: 725642
Ion Ratio Lower Upper
164 100
162 101.0 79.1 118.7
160 44.8 34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 7.293 ng
RT: 12.675 min Scan# 1647
Delta R.T. 0.088 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:237 Resp: 54
Ion Ratio Lower Upper
237 100
235 44.1 42.6 82.6
272 11.8 0.0 32.8

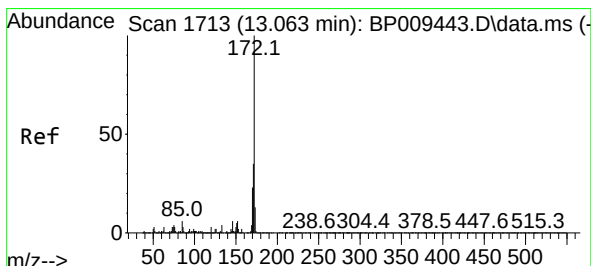
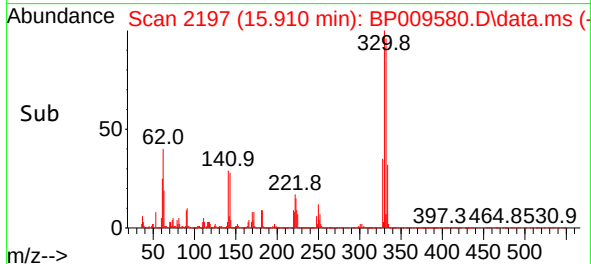
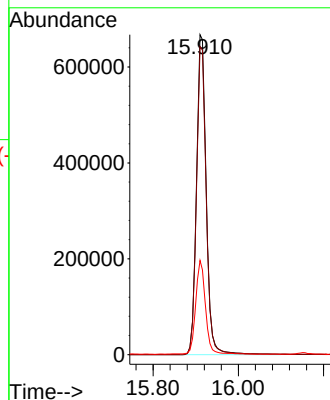
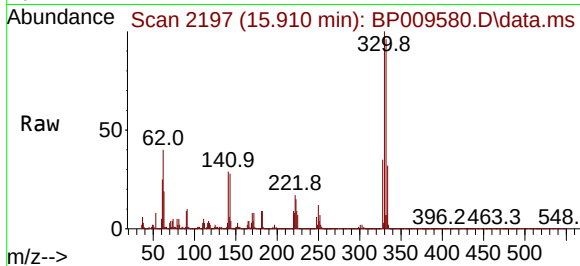




#42
2,4,6-Tribromophenol
Concen: 88.278 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

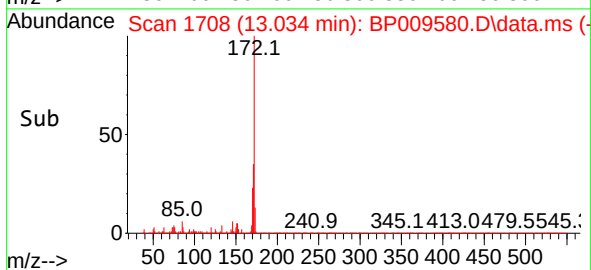
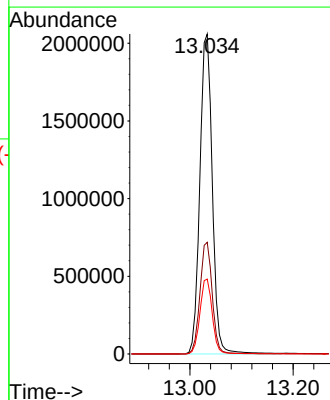
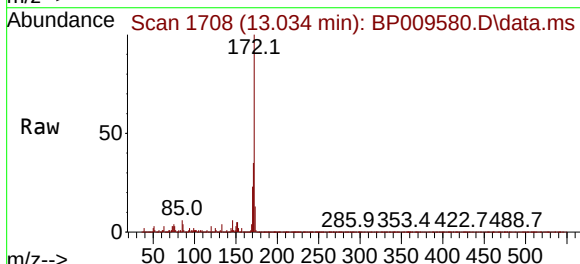
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ClientSampleId :
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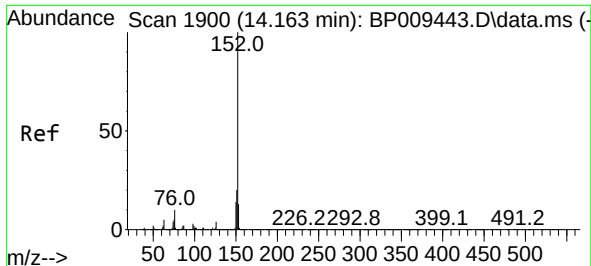
Tgt Ion:330 Resp: 1057074
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 29.5 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 65.866 ng
RT: 13.034 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:172 Resp: 3447684
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.4 18.6 27.8

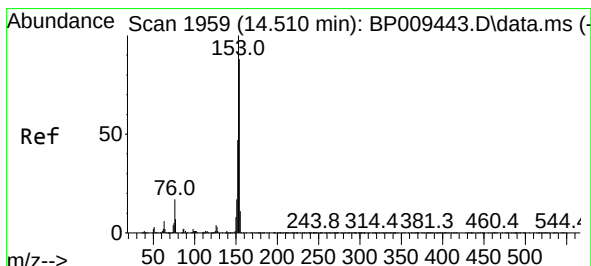
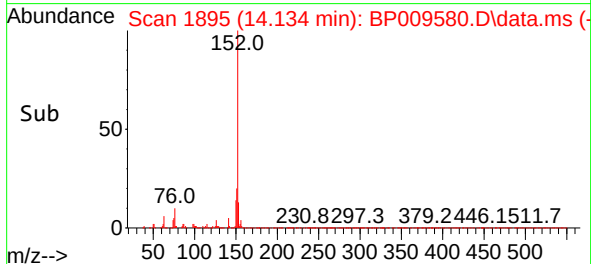
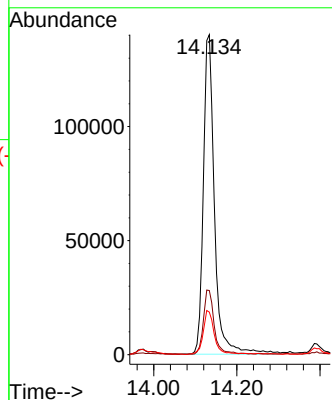
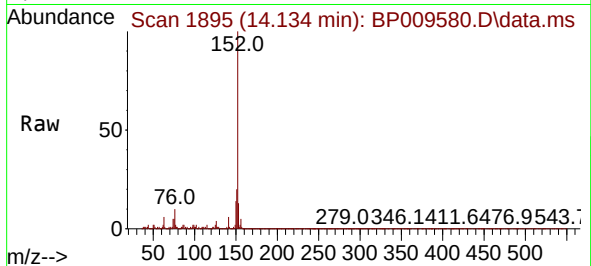




#49
Acenaphthylene
Concen: 3.963 ng
RT: 14.134 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

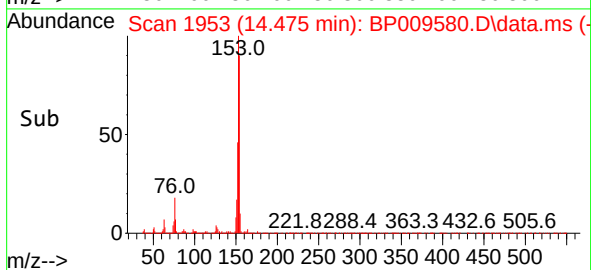
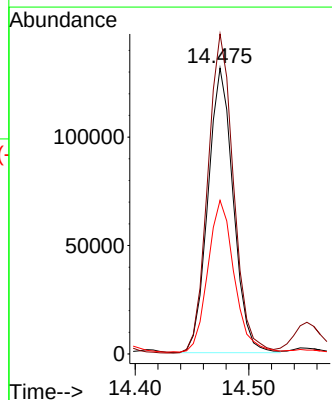
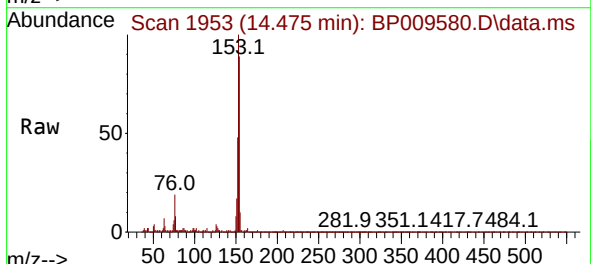
Instrument :
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ClientSampleId :
SB-07-2.0-3.0

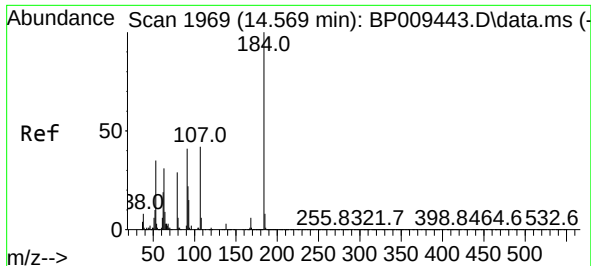
Tgt Ion:152 Resp: 260715
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.3 10.7 16.1



#52
Acenaphthene
Concen: 5.183 ng
RT: 14.475 min Scan# 1953
Delta R.T. -0.012 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:154 Resp: 203684
Ion Ratio Lower Upper
154 100
153 111.9 90.2 135.4
152 53.7 42.7 64.1

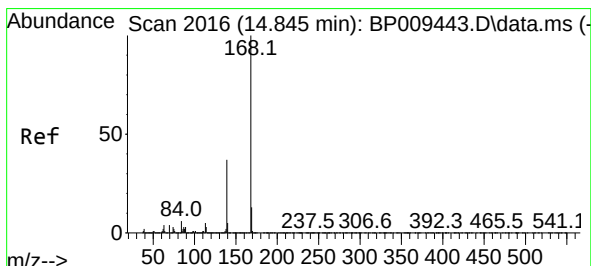
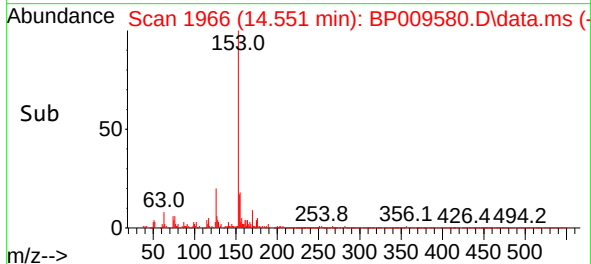
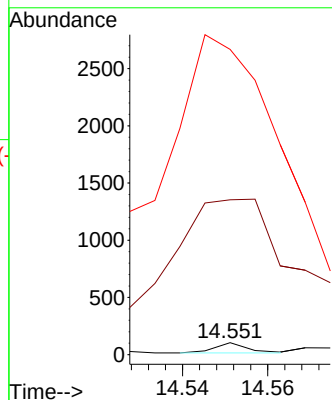
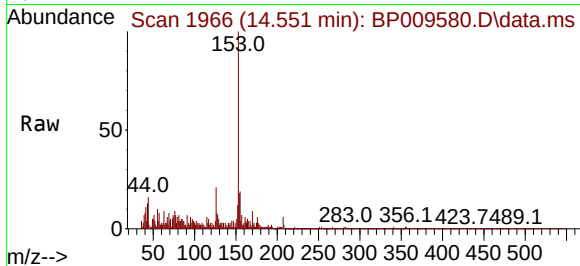




#54
2,4-Dinitrophenol
Concen: 4.539 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.000 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

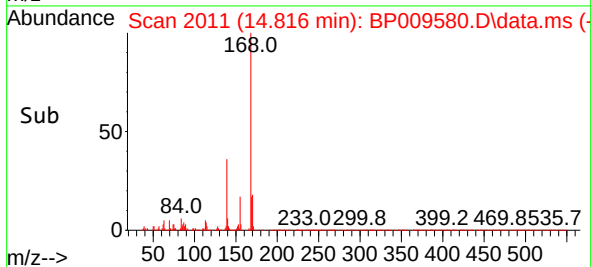
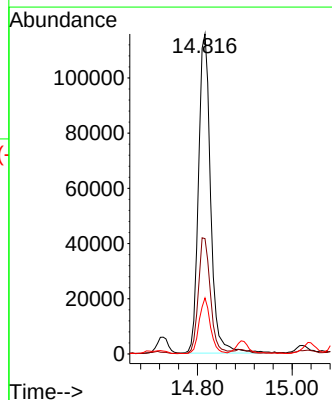
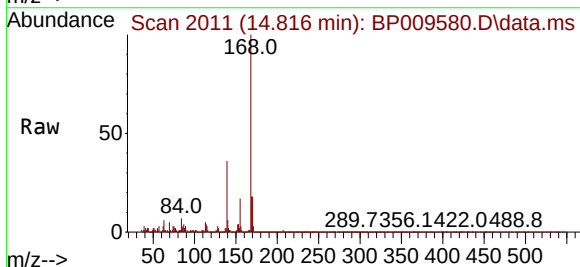
Instrument :
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ClientSampleId :
SB-07-2.0-3.0

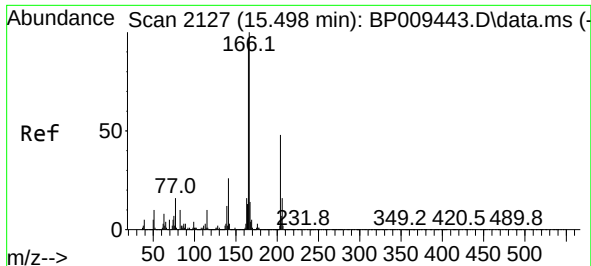
Tgt Ion:184 Resp: 49
Ion Ratio Lower Upper
184 100
63 1289.5 46.3 69.5#
154 2541.0 45.8 68.6#



#55
Dibenzofuran
Concen: 3.114 ng
RT: 14.816 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:168 Resp: 205583
Ion Ratio Lower Upper
168 100
139 36.0 29.1 43.7
169 17.5 10.6 16.0#

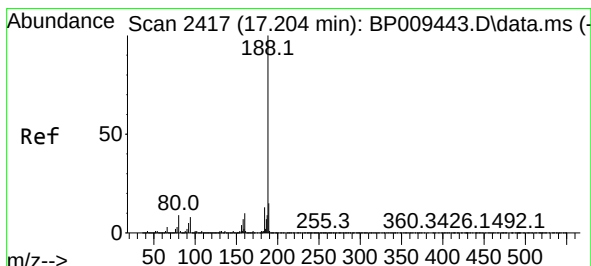
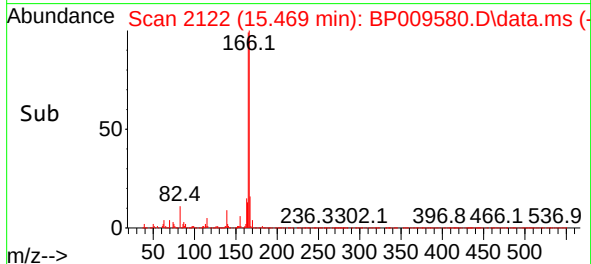
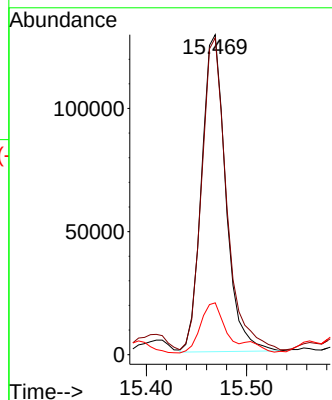
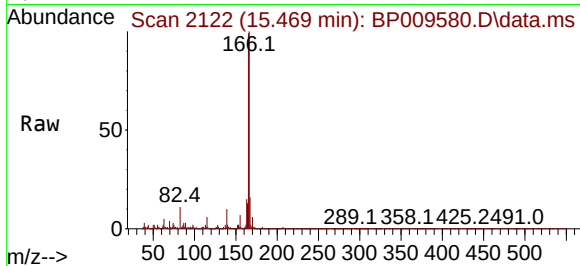




#58
Fluorene
Concen: 4.156 ng
RT: 15.469 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

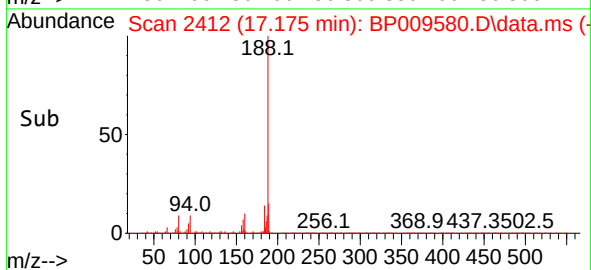
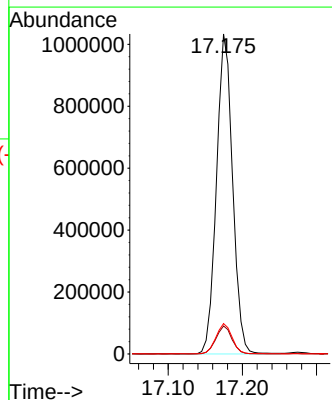
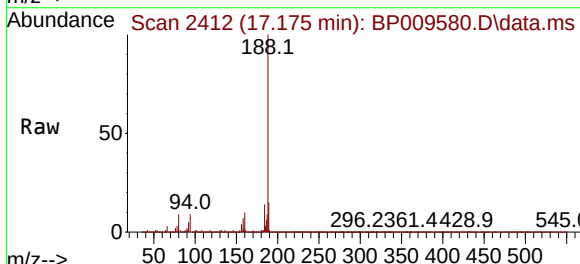
Instrument :
BNA_P
ClientSampleId :
SB-07-2.0-3.0

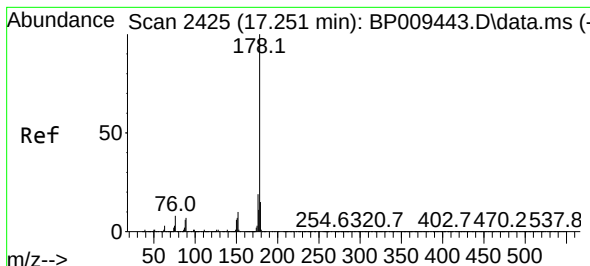
Tgt Ion:166 Resp: 215825
Ion Ratio Lower Upper
166 100
165 99.0 79.2 118.8
167 16.2 10.7 16.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:188 Resp: 1560434
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 9.5 8.8 13.2





#71

Phenanthrene

Concen: 54.840 ng

RT: 17.222 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP009580.D

Acq: 28 Mar 2022 23:24

Instrument :

BNA_P

ClientSampleId :

SB-07-2.0-3.0

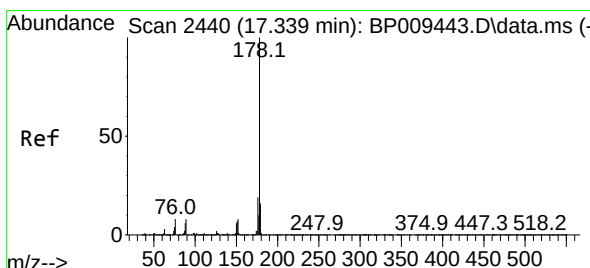
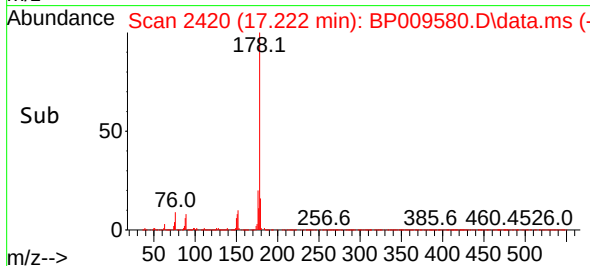
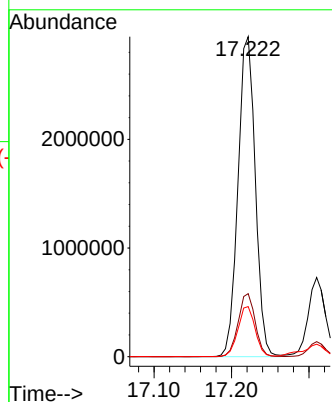
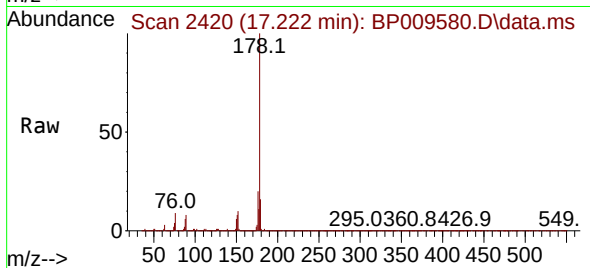
Tgt Ion:178 Resp: 4580779

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

179 15.6 12.3 18.5



#72

Anthracene

Concen: 13.181 ng

RT: 17.310 min Scan# 2435

Delta R.T. -0.006 min

Lab File: BP009580.D

Acq: 28 Mar 2022 23:24

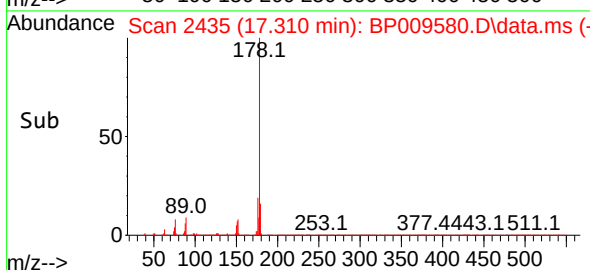
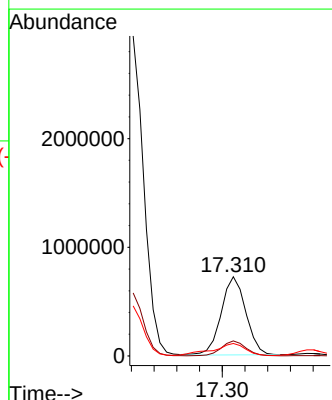
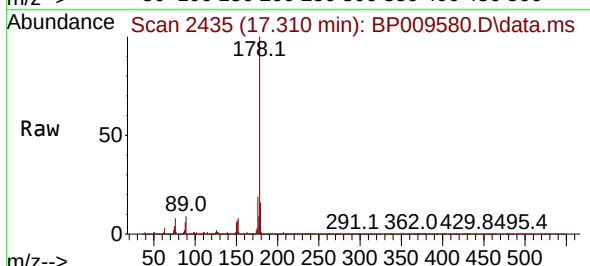
Tgt Ion:178 Resp: 1087062

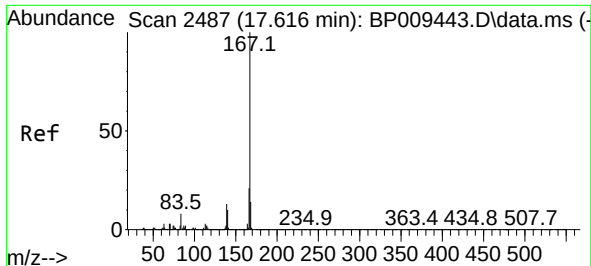
Ion Ratio Lower Upper

178 100

176 19.0 14.8 22.2

179 15.7 12.2 18.4

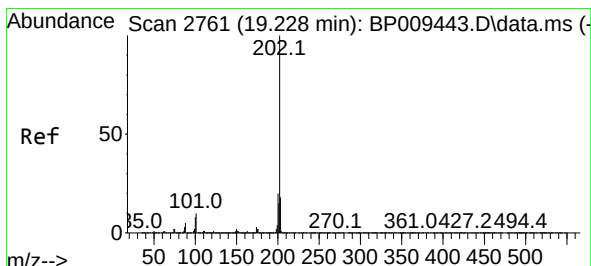
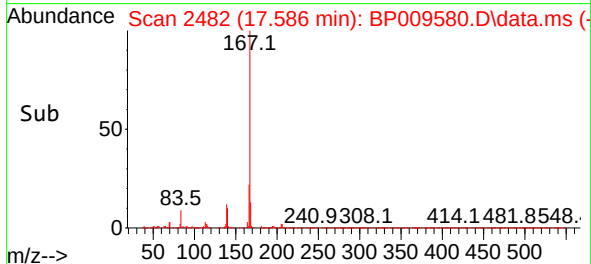
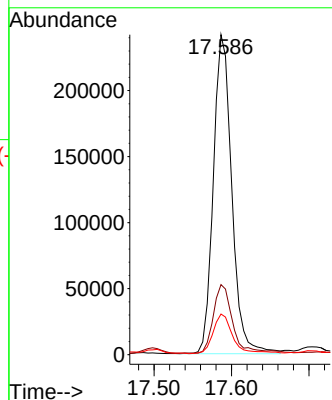
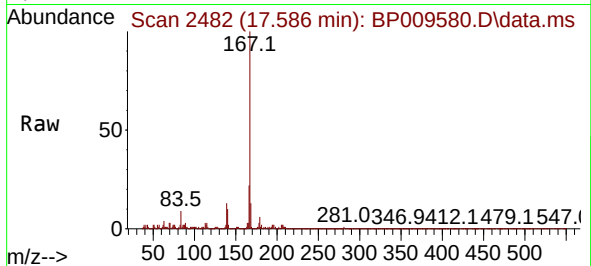




#73
 Carbazole
 Concen: 4.959 ng
 RT: 17.586 min Scan# 24
 Delta R.T. -0.006 min
 Lab File: BP009580.D
 Acq: 28 Mar 2022 23:24

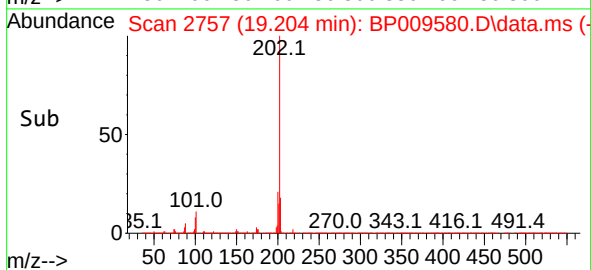
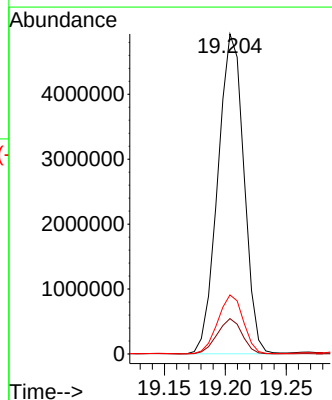
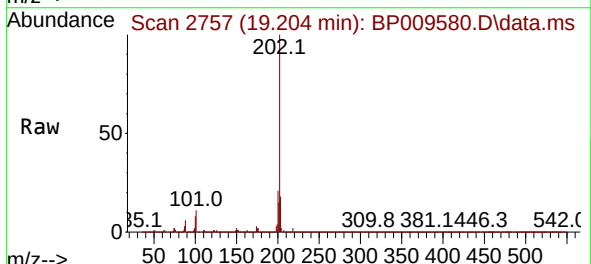
Instrument :
 BNA_P
 ClientSampleId :
 SB-07-2.0-3.0

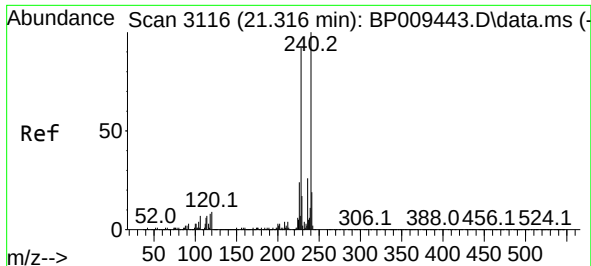
Tgt Ion:167 Resp: 399970
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.2 25.8
 139 12.7 10.3 15.5



#75
 Fluoranthene
 Concen: 72.572 ng
 RT: 19.204 min Scan# 2757
 Delta R.T. -0.006 min
 Lab File: BP009580.D
 Acq: 28 Mar 2022 23:24

Tgt Ion:202 Resp: 7338895
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.5
 203 18.5 0.0 37.8

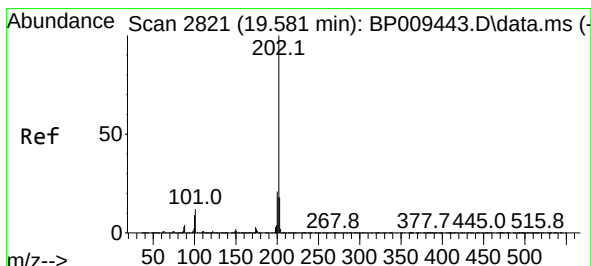
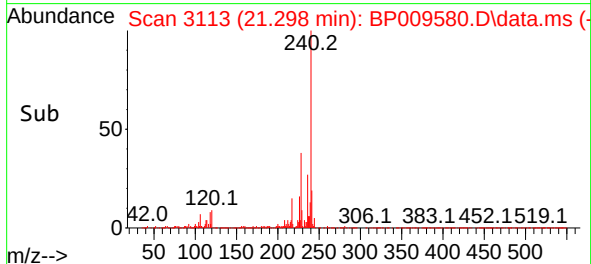
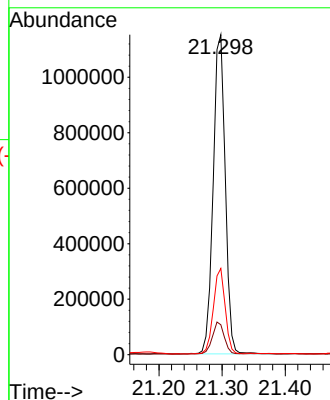
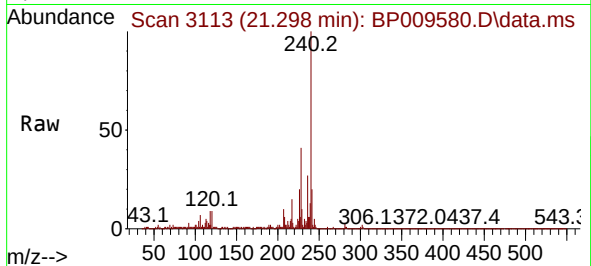




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.298 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

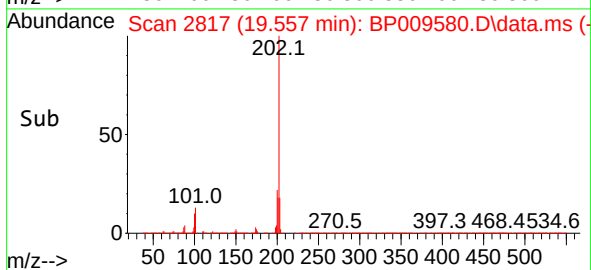
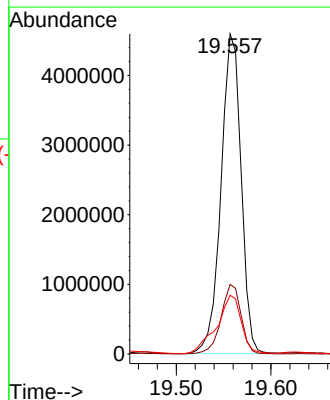
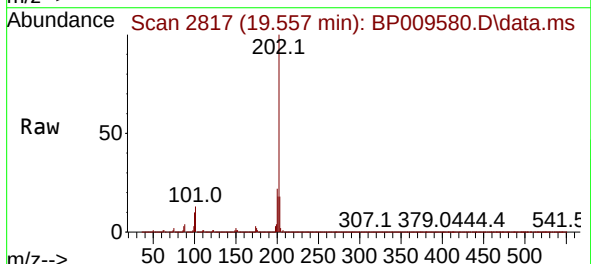
Instrument :
BNA_P
ClientSampleId :
SB-07-2.0-3.0

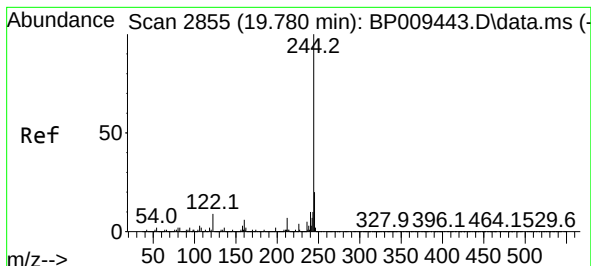
Tgt Ion:240 Resp: 1524570
Ion Ratio Lower Upper
240 100
120 9.3 9.0 13.4
236 27.0 20.6 30.8



#78
Pyrene
Concen: 67.569 ng
RT: 19.557 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:202 Resp: 6788147
Ion Ratio Lower Upper
202 100
200 21.7 16.8 25.2
203 18.4 14.2 21.4





#79

Terphenyl-d14

Concen: 63.335 ng

RT: 19.757 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009580.D

Acq: 28 Mar 2022 23:24

Instrument :

BNA_P

ClientSampleId :

SB-07-2.0-3.0

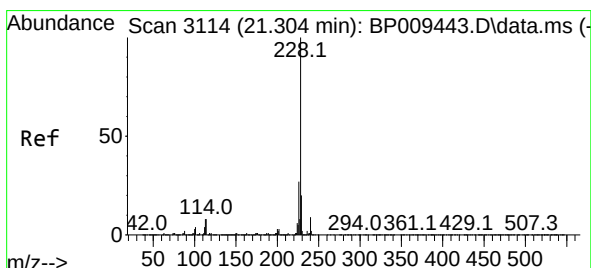
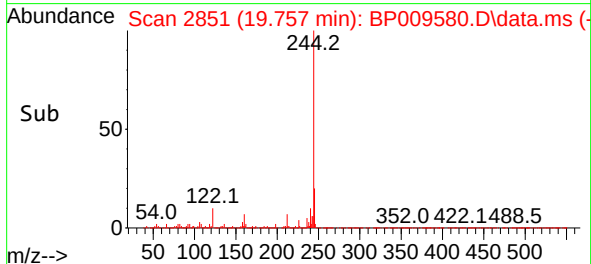
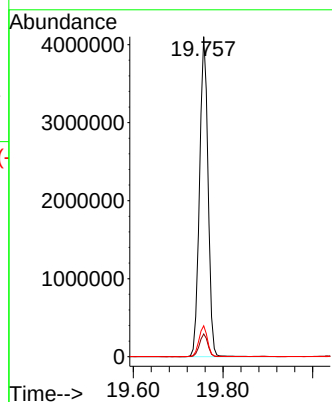
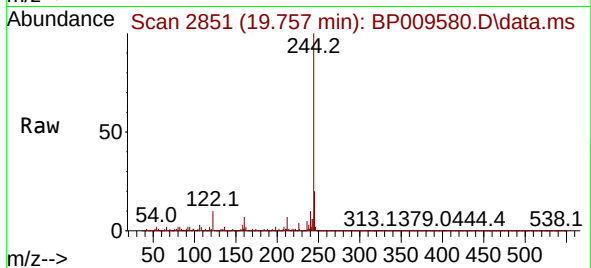
Tgt Ion:244 Resp: 5379630

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.7 8.3 12.5



#81

Benzo(a)anthracene

Concen: 37.962 ng

RT: 21.280 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP009580.D

Acq: 28 Mar 2022 23:24

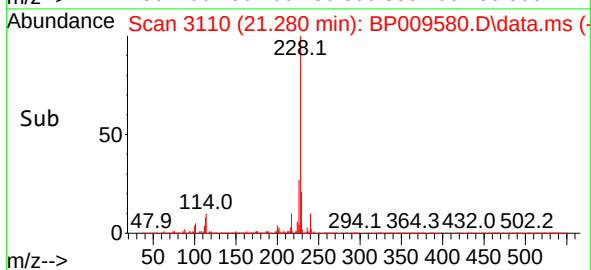
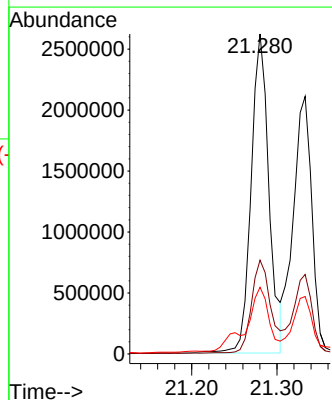
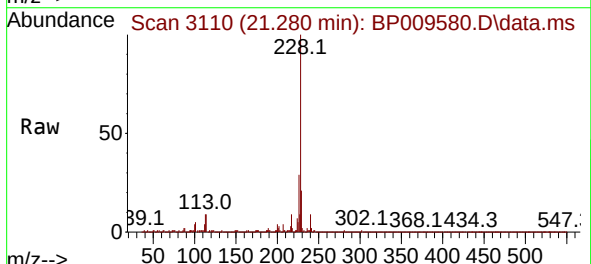
Tgt Ion:228 Resp: 3802369

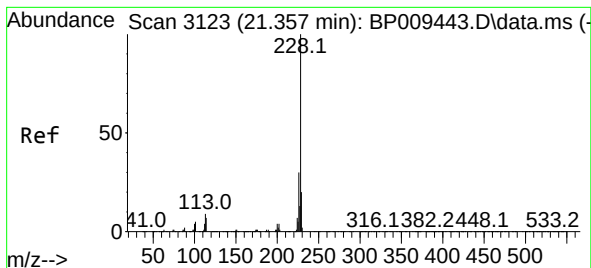
Ion Ratio Lower Upper

228 100

226 29.3 22.0 33.0

229 20.8 16.1 24.1





#83

Chrysene

Concen: 33.810 ng

RT: 21.333 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP009580.D

Acq: 28 Mar 2022 23:24

Instrument :

BNA_P

ClientSampleId :

SB-07-2.0-3.0

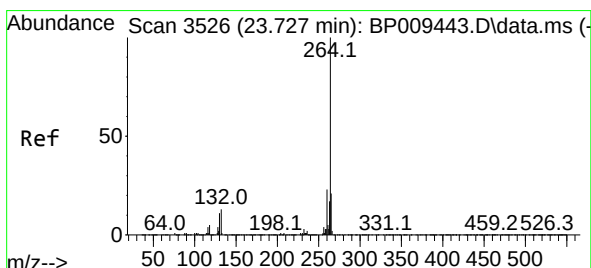
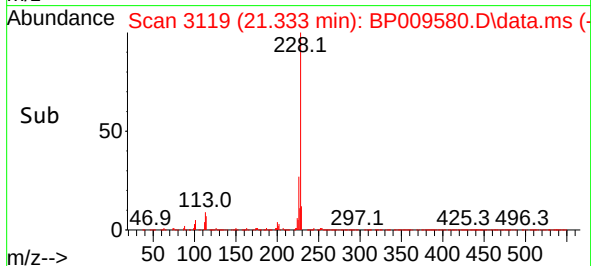
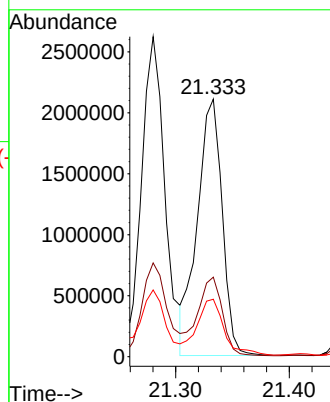
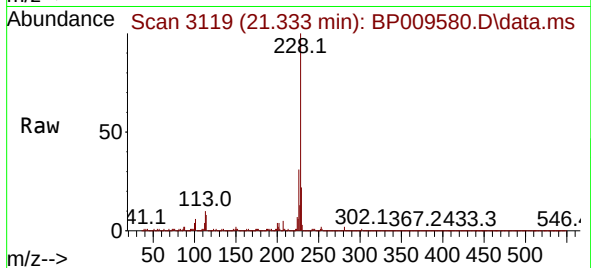
Tgt Ion:228 Resp: 3206753

Ion Ratio Lower Upper

228 100

226 30.9 24.2 36.2

229 22.3 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: BP009580.D

Acq: 28 Mar 2022 23:24

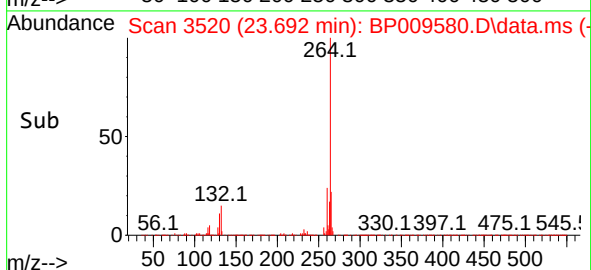
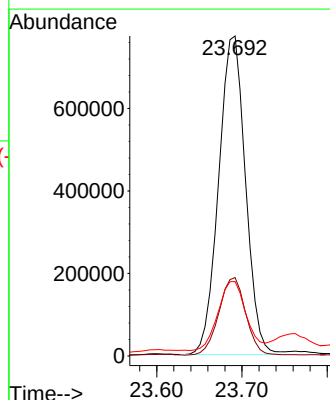
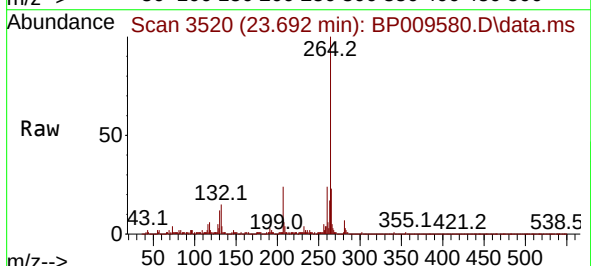
Tgt Ion:264 Resp: 1690298

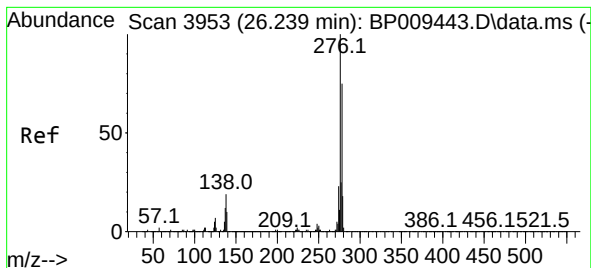
Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.0

265 23.3 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 18.895 ng

RT: 26.180 min Scan# 3943

Delta R.T. -0.018 min

Lab File: BP009580.D

Acq: 28 Mar 2022 23:24

Instrument :

BNA_P

ClientSampleId :

SB-07-2.0-3.0

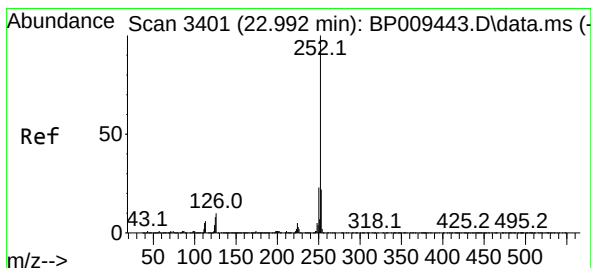
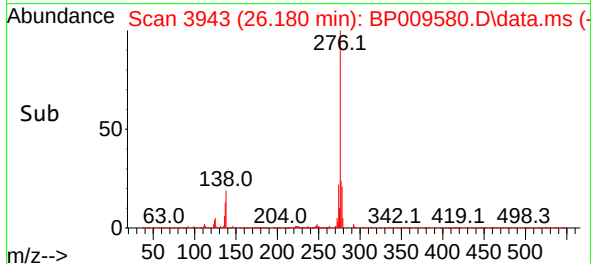
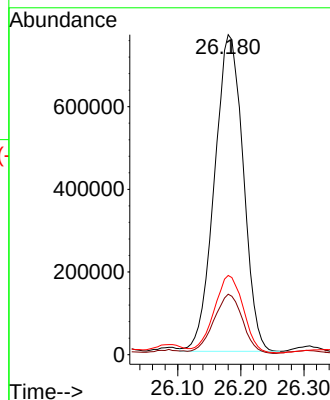
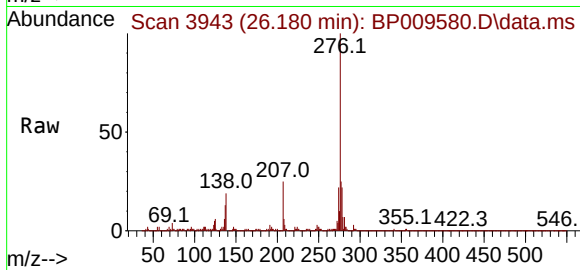
Tgt Ion:276 Resp: 2423042

Ion Ratio Lower Upper

276 100

138 18.8 20.5 30.7#

277 24.8 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 59.738 ng

RT: 22.968 min Scan# 3397

Delta R.T. 0.006 min

Lab File: BP009580.D

Acq: 28 Mar 2022 23:24

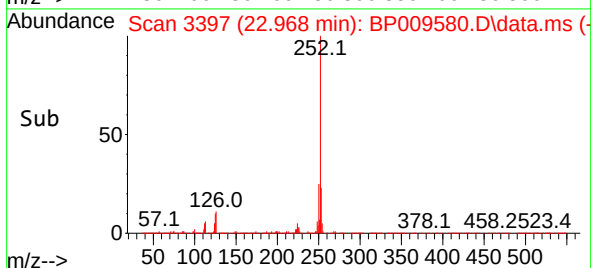
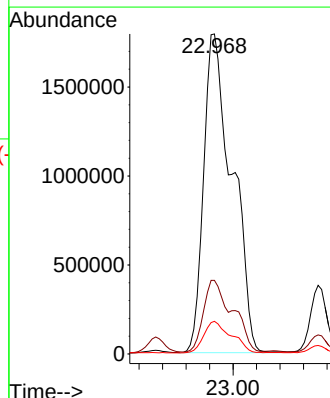
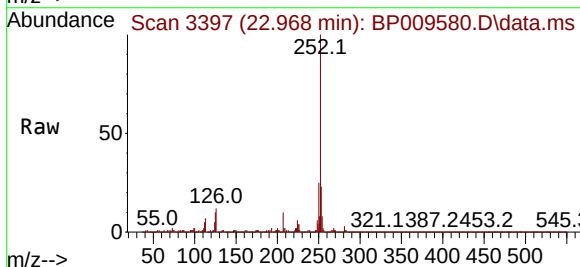
Tgt Ion:252 Resp: 6027908

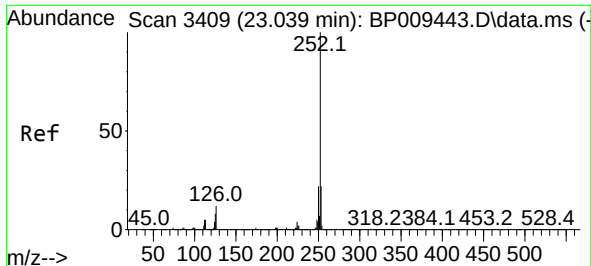
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 10.2 8.1 12.1

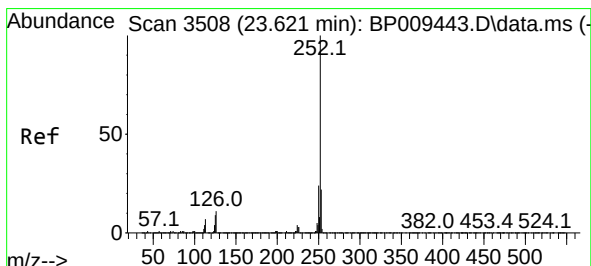
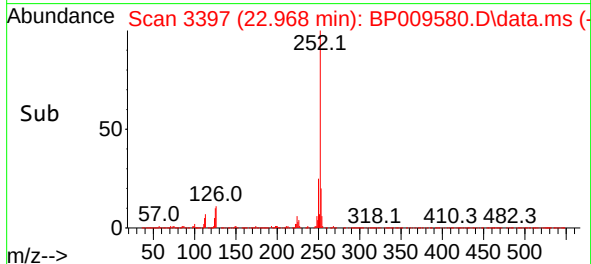
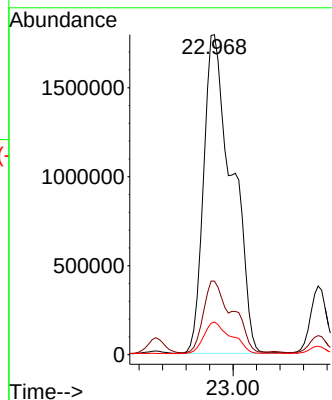
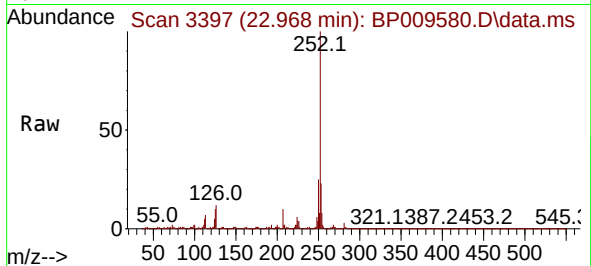




#89
Benzo(k)fluoranthene
Concen: 61.031 ng
RT: 22.968 min Scan# 31
Delta R.T. -0.041 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

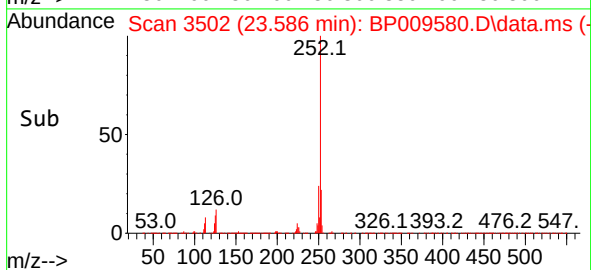
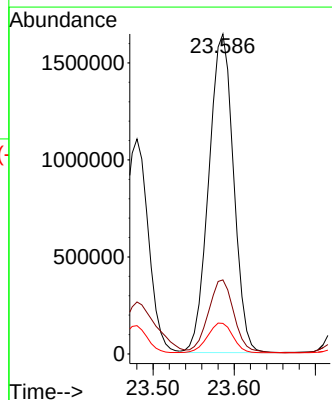
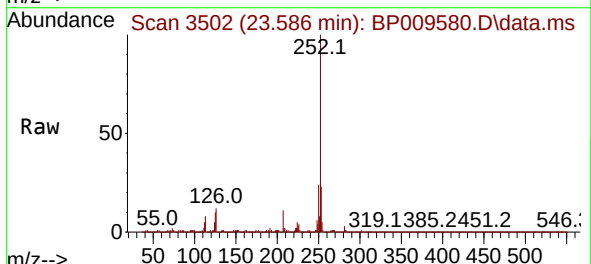
Instrument :
BNA_P
ClientSampleId :
SB-07-2.0-3.0

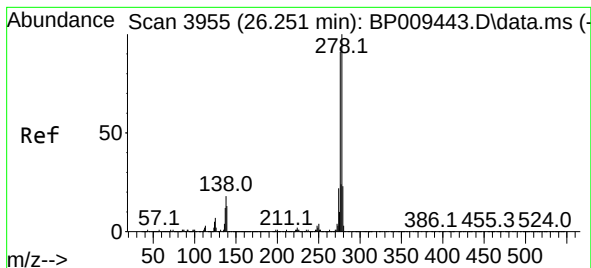
Tgt Ion:252 Resp: 6029724
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.2 8.3 12.5



#90
Benzo(a)pyrene
Concen: 40.295 ng
RT: 23.586 min Scan# 3502
Delta R.T. -0.000 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:252 Resp: 3478773
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 9.6 9.3 13.9





#91

Dibenzo(a,h)anthracene

Concen: 3.797 ng

RT: 26.468 min Scan# 3992

Delta R.T. 0.259 min

Lab File: BP009580.D

Acq: 28 Mar 2022 23:24

Instrument :

BNA_P

ClientSampleId :

SB-07-2.0-3.0

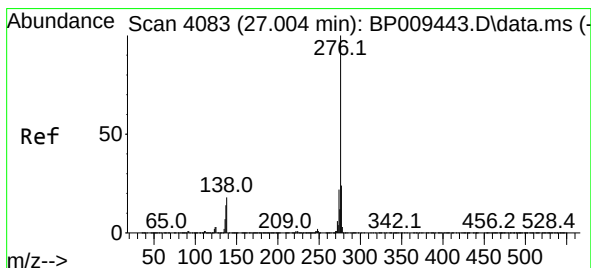
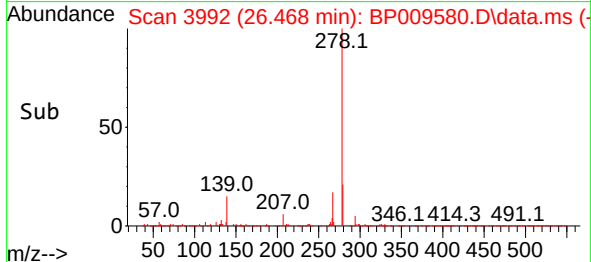
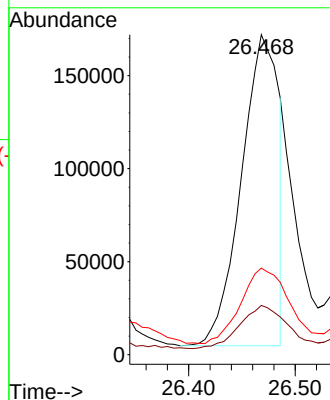
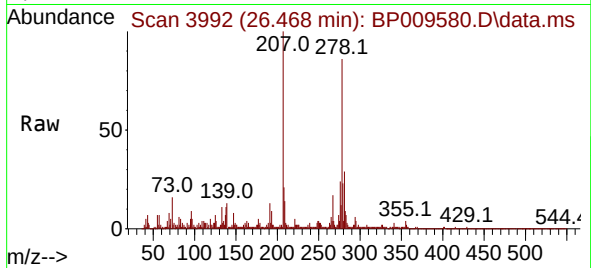
Tgt Ion:278 Resp: 405792

Ion Ratio Lower Upper

278 100

139 15.4 13.2 19.8

279 27.0 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 22.449 ng

RT: 26.945 min Scan# 4073

Delta R.T. -0.006 min

Lab File: BP009580.D

Acq: 28 Mar 2022 23:24

Tgt Ion:276 Resp: 2360321

Ion Ratio Lower Upper

276 100

277 24.8 19.2 28.8

138 19.2 18.0 27.0

