

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032422\
 Data File : BP009544.D
 Acq On : 24 Mar 2022 23:30
 Operator : CG/JU
 Sample : N1977-01DL 50X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-12-20220315-16.0-17.0DL

Quant Time: Mar 25 03:17:11 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 24 01:19:11 2022
 Response via : Initial Calibration

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

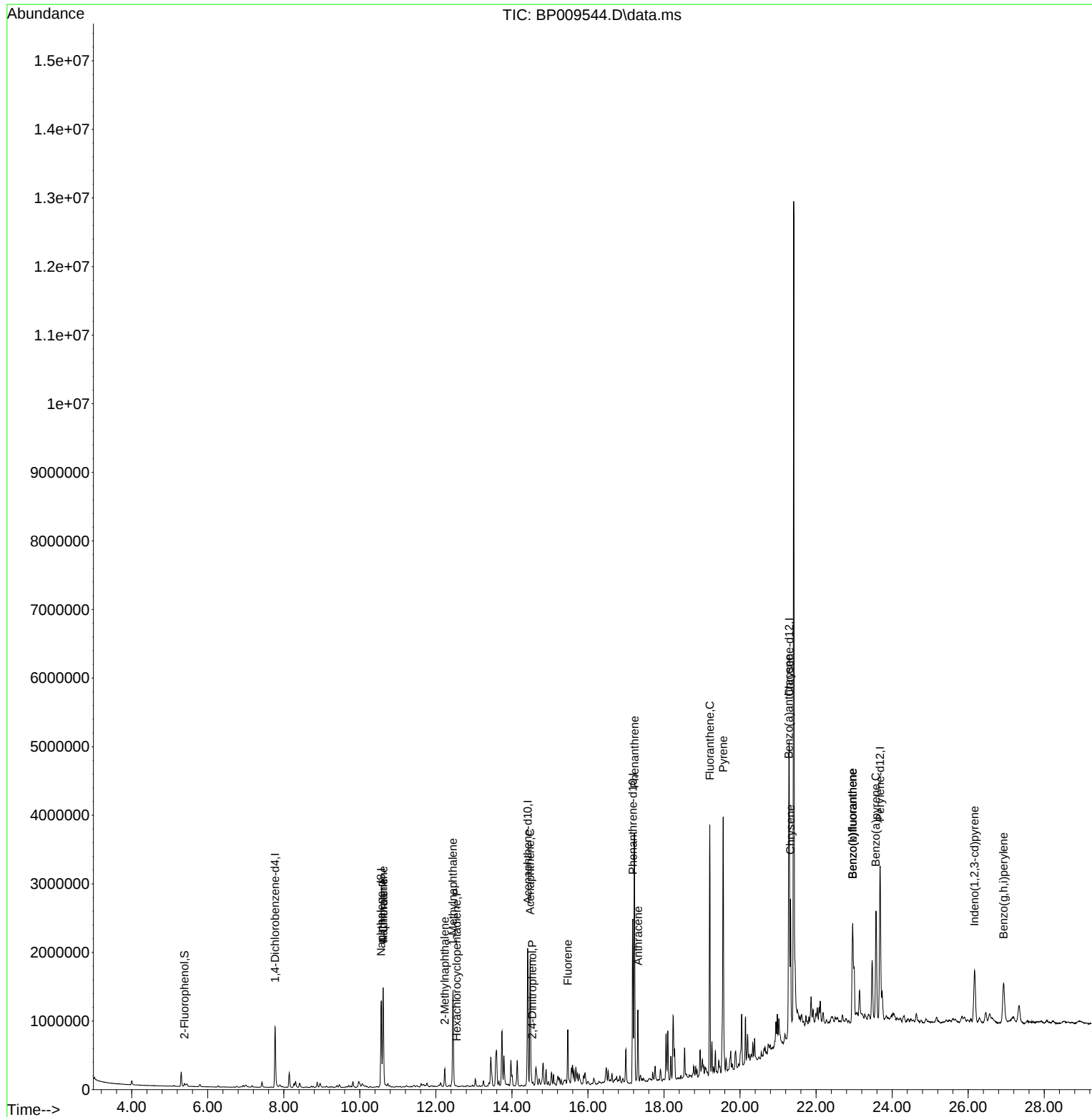
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	293195	20.000	ng	-0.02
21) Naphthalene-d8	10.563	136	1187909	20.000	ng	-0.02
39) Acenaphthene-d10	14.416	164	751757	20.000	ng	-0.02
64) Phenanthrene-d10	17.180	188	1600467	20.000	ng	-0.02
76) Chrysene-d12	21.292	240	1683497	20.000	ng	-0.02
86) Perylene-d12	23.686	264	1856154	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	33915	2.020	ng	0.00
7) Phenol-d6	6.987	99	35550	1.565	ng	0.00
23) Nitrobenzene-d5	8.946	82	24696	1.105	ng	0.00
42) 2,4,6-Tribromophenol	15.922	330	17545	1.414	ng	-0.01
45) 2-Fluorobiphenyl	13.040	172	69272	1.277	ng	-0.02
79) Terphenyl-d14	19.757	244	123156	1.313	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.934	77	3022	Below Cal	#	1
31) Naphthalene	10.616	128	1362348	22.265	ng	99
33) 4-Chloroaniline	10.616	127	174903	7.005	ng	# 33
37) 2-Methylnaphthalene	12.234	142	136492	3.179	ng	97
38) 1-Methylnaphthalene	12.451	142	739304	17.677	ng	100
41) Hexachlorocyclopentadiene	12.545	237	58	7.293	ng	90
52) Acenaphthene	14.481	154	699902	17.190	ng	99
54) 2,4-Dinitrophenol	14.534	184	73	4.542	ng	# 1
58) Fluorene	15.469	166	374530	6.962	ng	99
71) Phenanthrene	17.222	178	2406712	28.092	ng	100
72) Anthracene	17.316	178	721027	8.524	ng	100
75) Fluoranthene	19.204	202	2265406	21.841	ng	98
78) Pyrene	19.557	202	2467574	22.243	ng	100
81) Benzo(a)anthracene	21.280	228	1337745	12.095	ng	97
83) Chrysene	21.327	228	1075503	10.269	ng	98
87) Indeno(1,2,3-cd)pyrene	26.168	276	817779	5.807	ng	# 92
88) Benzo(b)fluoranthene	22.963	252	1952686	17.622	ng	100
89) Benzo(k)fluoranthene	22.963	252	1953218	18.003	ng	99
90) Benzo(a)pyrene	23.574	252	1339700	14.131	ng	97
92) Benzo(g,h,i)perylene	26.933	276	833051	7.215	ng	94

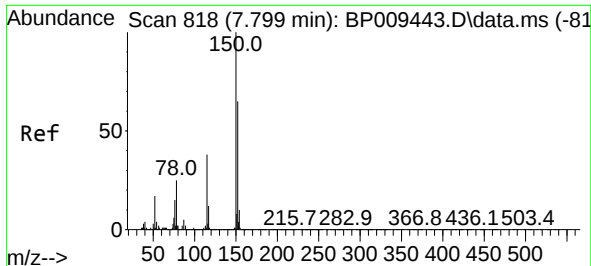
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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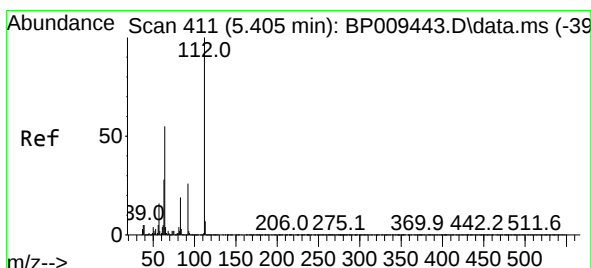
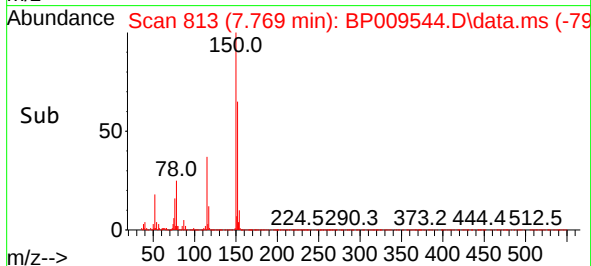
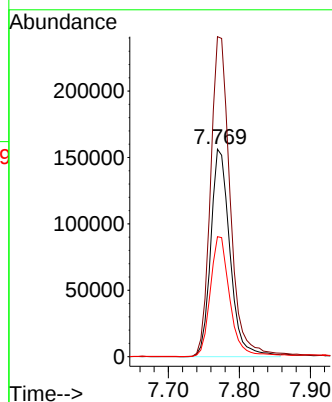
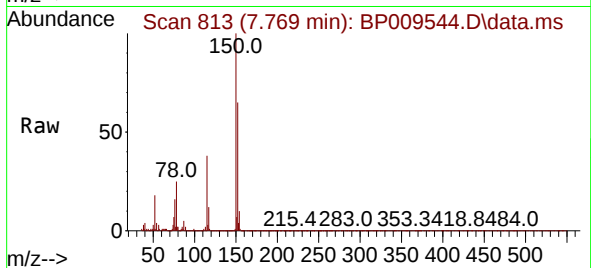




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.769 min Scan# 81
 Delta R.T. -0.018 min
 Lab File: BP009544.D
 Acq: 24 Mar 2022 23:30

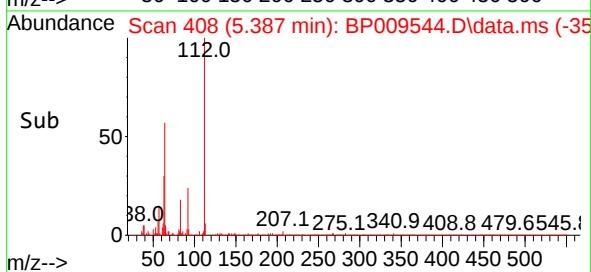
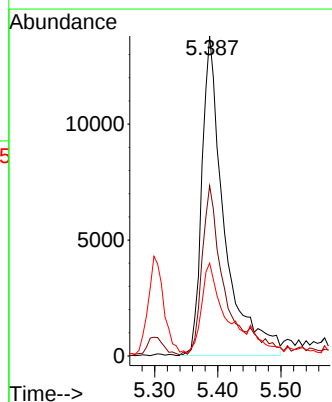
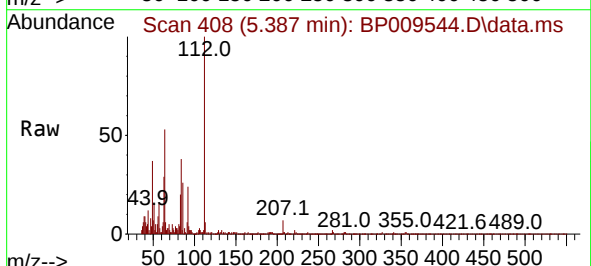
Instrument :
 BNA_P
 ClientSampleId :
 SB-12-20220315-16.0-17.0DL

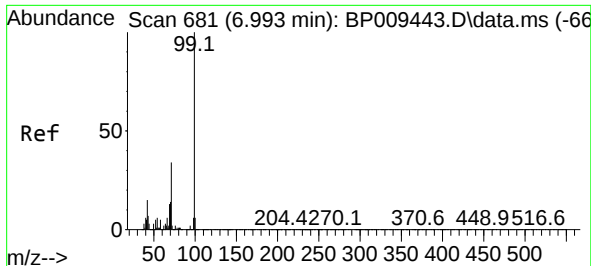
Tgt Ion:152 Resp: 293195
 Ion Ratio Lower Upper
 152 100
 150 154.2 124.5 186.7
 115 57.8 48.2 72.4



#5
 2-Fluorophenol
 Concen: 2.020 ng
 RT: 5.387 min Scan# 408
 Delta R.T. -0.006 min
 Lab File: BP009544.D
 Acq: 24 Mar 2022 23:30

Tgt Ion:112 Resp: 33915
 Ion Ratio Lower Upper
 112 100
 64 53.2 45.0 67.4
 63 29.0 23.0 34.6

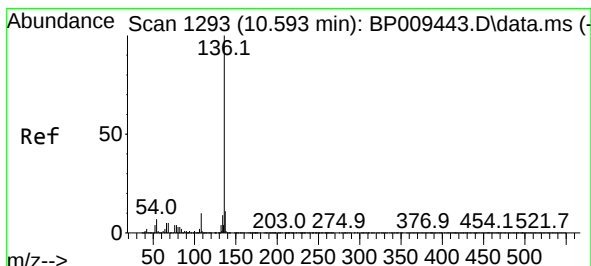
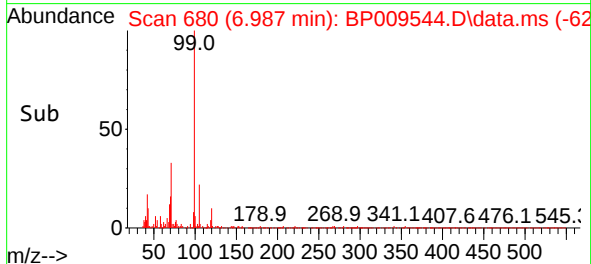
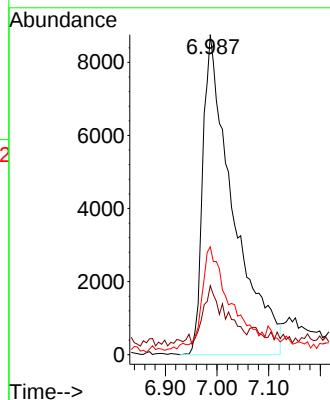
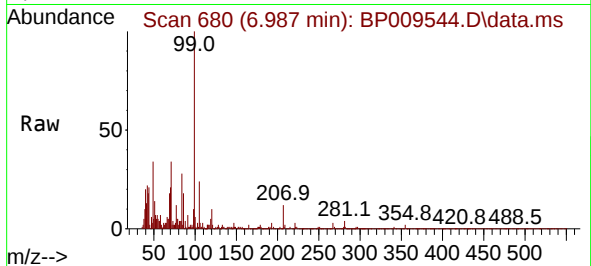




#7
Phenol-d6
Concen: 1.565 ng
RT: 6.987 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

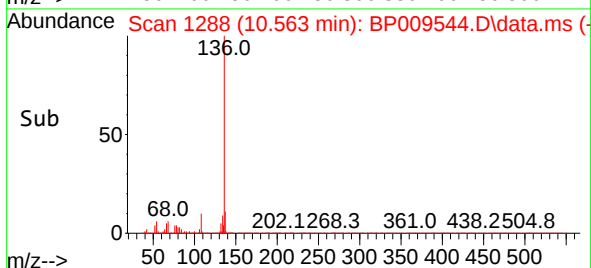
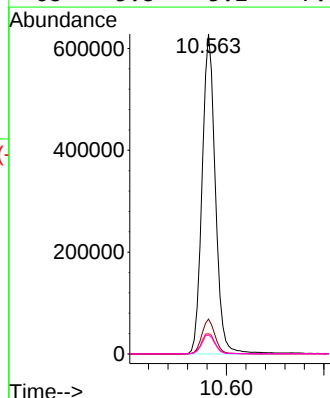
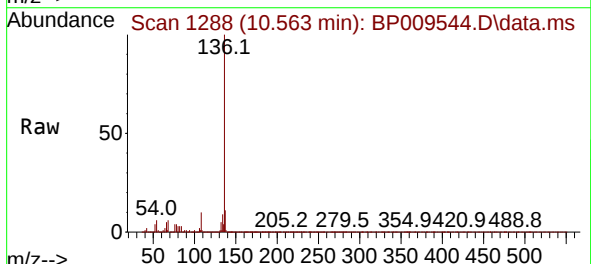
Instrument :
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ClientSampleId :
SB-12-20220315-16.0-17.0DL

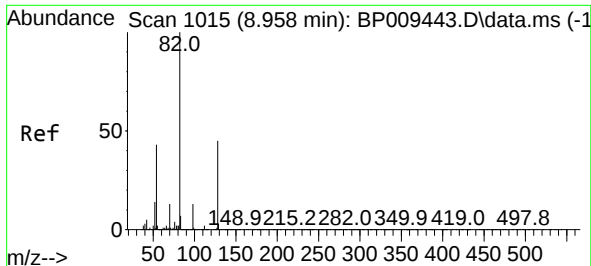
Tgt Ion: 99 Resp: 35550
Ion Ratio Lower Upper
99 100
42 21.6 12.8 19.2#
71 33.7 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.018 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

Tgt Ion:136 Resp: 1187909
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.4 5.8 8.8
68 5.8 5.2 7.8

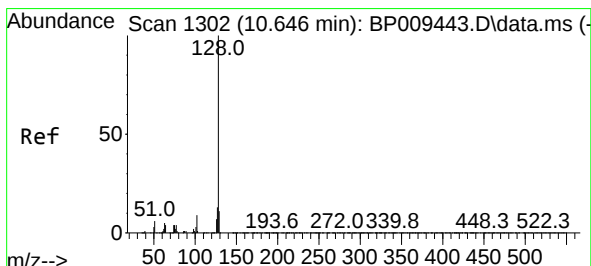
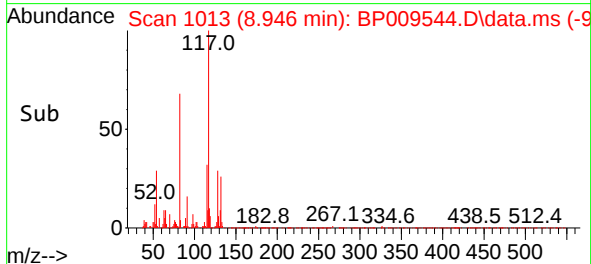
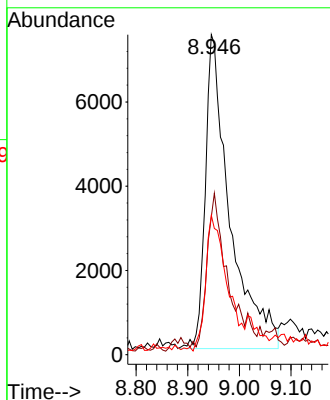
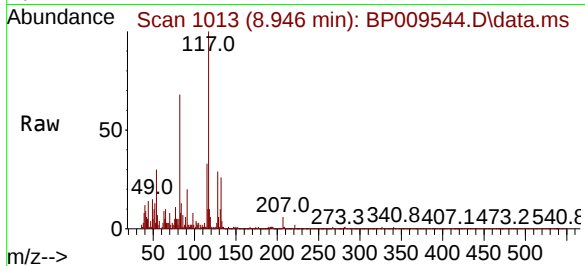




#23
Nitrobenzene-d5
Concen: 1.105 ng
RT: 8.946 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

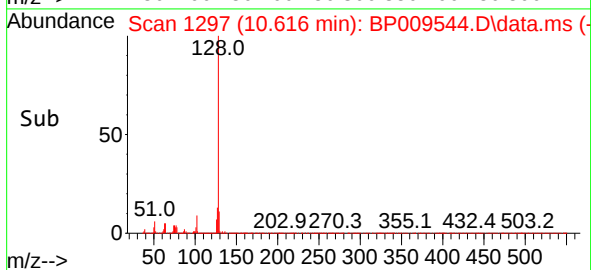
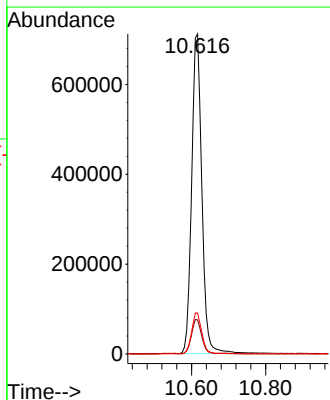
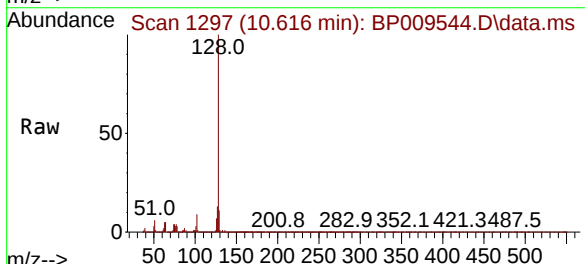
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL

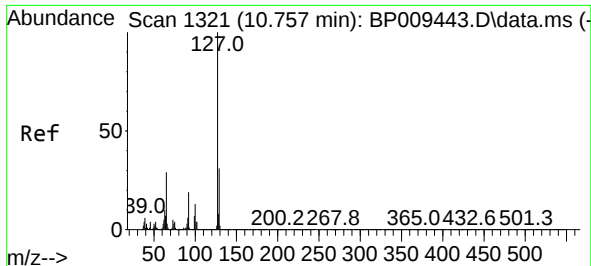
Tgt Ion: 82 Resp: 24696
Ion Ratio Lower Upper
82 100
128 43.1 34.2 51.4
54 43.6 34.7 52.1



#31
Naphthalene
Concen: 22.265 ng
RT: 10.616 min Scan# 1297
Delta R.T. -0.018 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

Tgt Ion: 128 Resp: 1362348
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 12.8 10.5 15.7

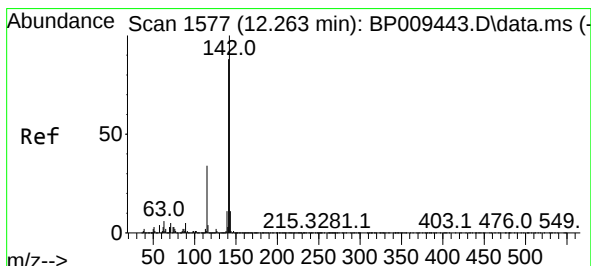
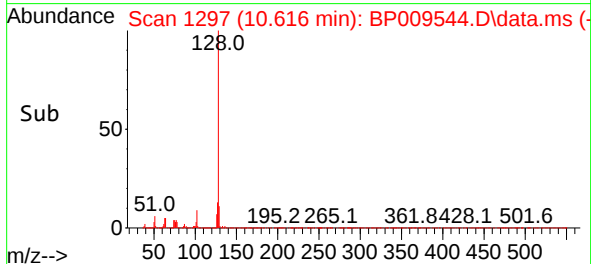
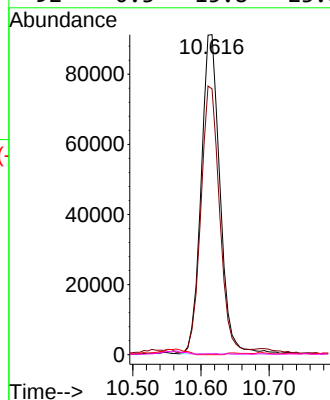
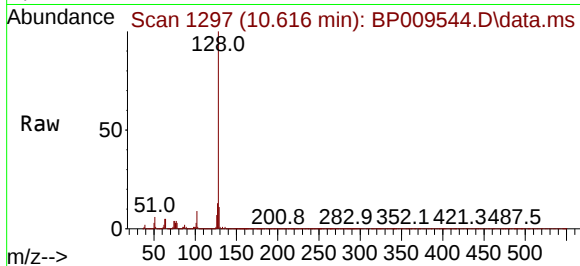




#33
4-Chloroaniline
Concen: 7.005 ng
RT: 10.616 min Scan# 11
Delta R.T. -0.129 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

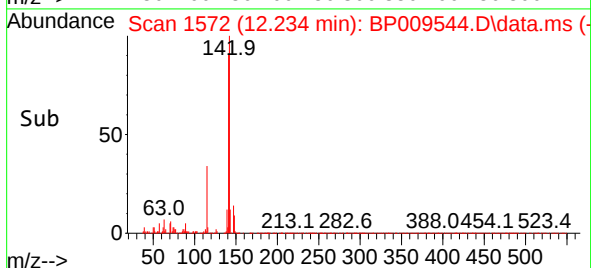
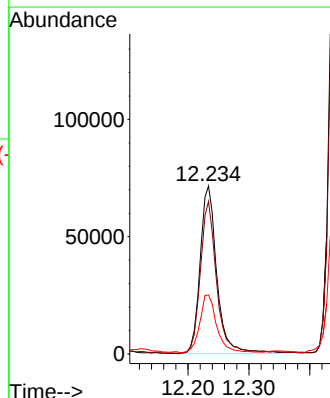
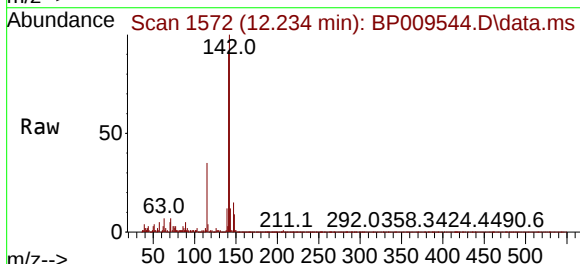
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL

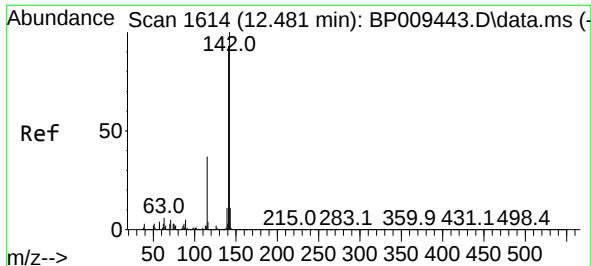
Tgt Ion:	127	Resp:	174903
Ion	Ratio	Lower	Upper
127	100		
129	83.1	25.5	38.3#
65	0.0	24.3	36.5#
92	0.3	15.8	23.8#



#37
2-Methylnaphthalene
Concen: 3.179 ng
RT: 12.234 min Scan# 1572
Delta R.T. -0.018 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

Tgt Ion:	142	Resp:	136492
Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.2	105.4
115	35.1	27.4	41.2

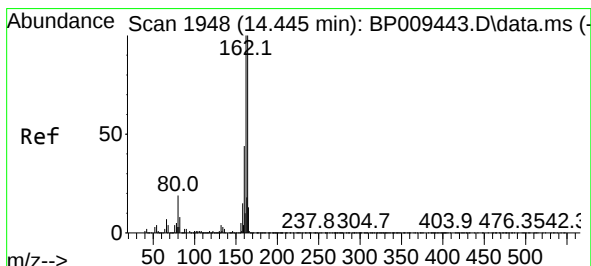
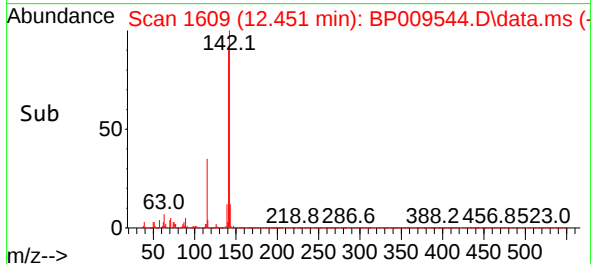
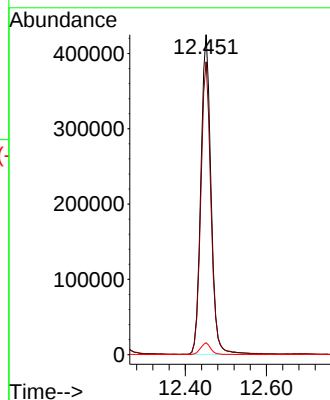
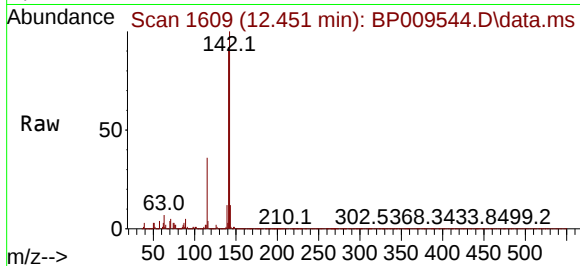




#38
1-Methylnaphthalene
Concen: 17.677 ng
RT: 12.451 min Scan# 1609
Delta R.T. -0.018 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

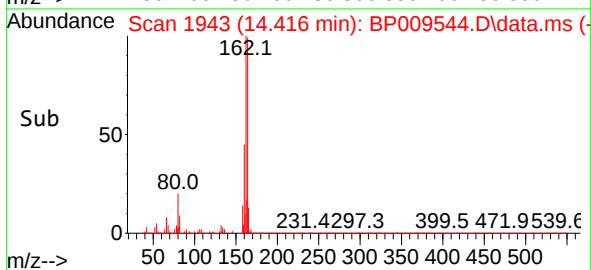
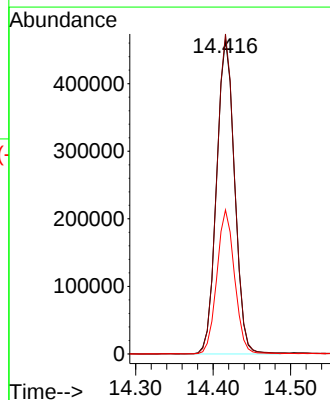
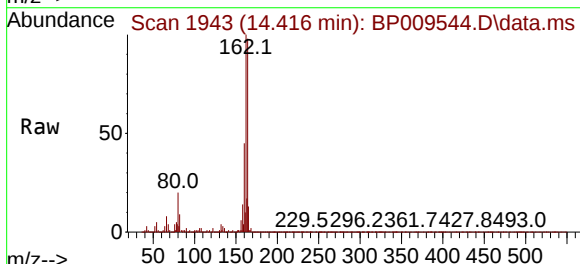
Instrument :
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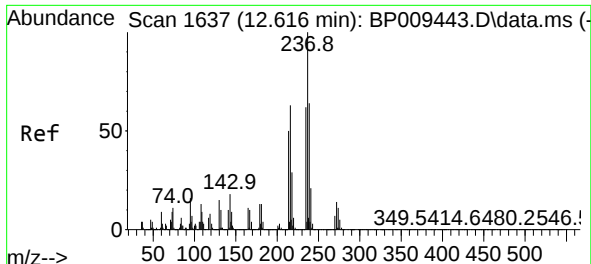
Tgt Ion:142 Resp: 739304
Ion Ratio Lower Upper
142 100
141 91.6 73.5 110.3
116 3.8 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.018 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

Tgt Ion:164 Resp: 751757
Ion Ratio Lower Upper
164 100
162 101.6 79.1 118.7
160 45.7 34.9 52.3

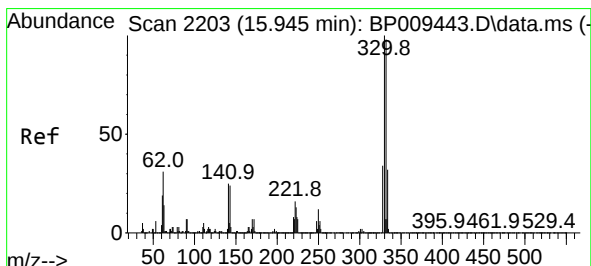
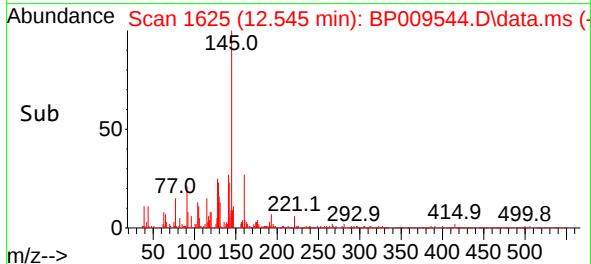
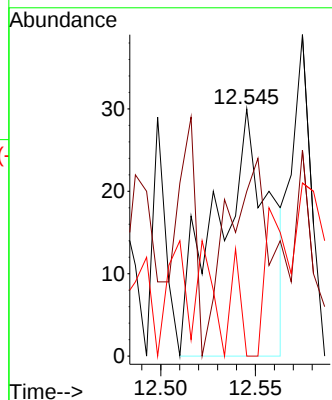
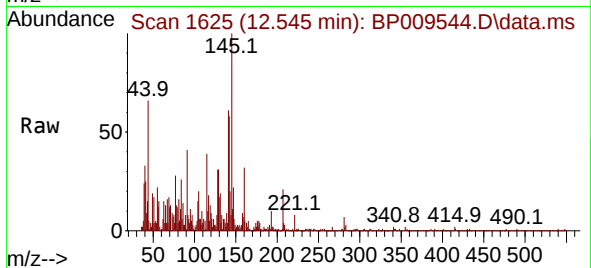




#41
Hexachlorocyclopentadiene
Concen: 7.293 ng
RT: 12.545 min Scan# 1
Delta R.T. -0.059 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

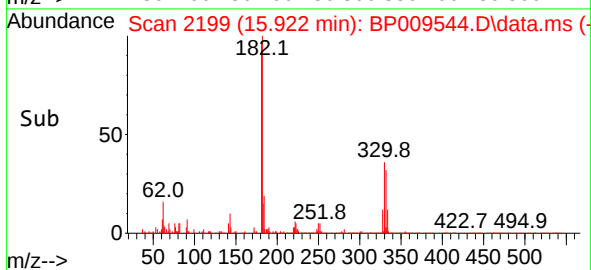
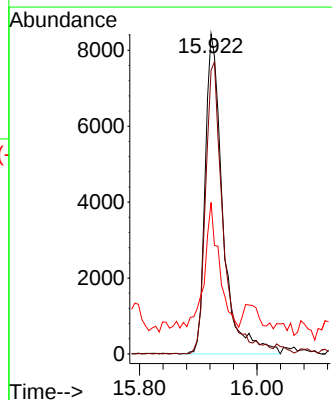
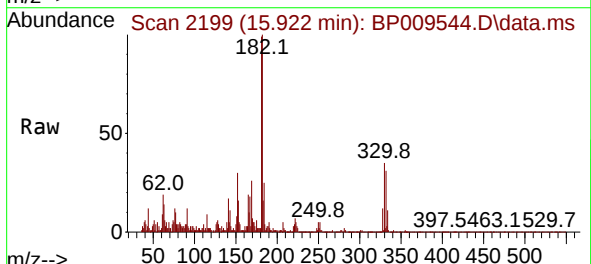
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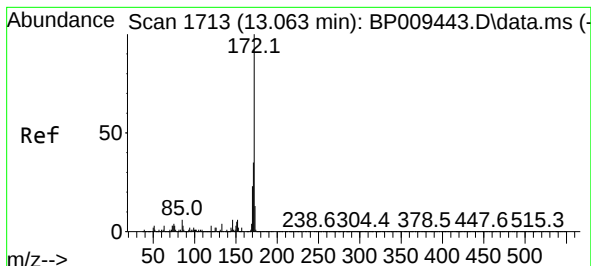
Tgt Ion:237	Resp:	58
Ion	Ratio	Lower Upper
237	100	
235	66.7	42.6 82.6
272	0.0	0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 1.414 ng
RT: 15.922 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

Tgt Ion:330	Resp:	17545
Ion	Ratio	Lower Upper
330	100	
332	91.6	77.0 115.6
141	31.9	27.6 41.4





#45

2-Fluorobiphenyl

Concen: 1.277 ng

RT: 13.040 min Scan# 1709

Delta R.T. -0.018 min

Lab File: BP009544.D

Acq: 24 Mar 2022 23:30

Instrument :

BNA_P

ClientSampleId :

SB-12-20220315-16.0-17.0DL

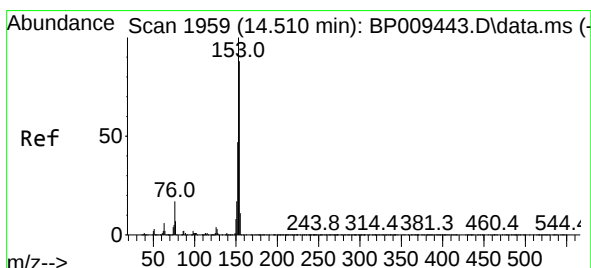
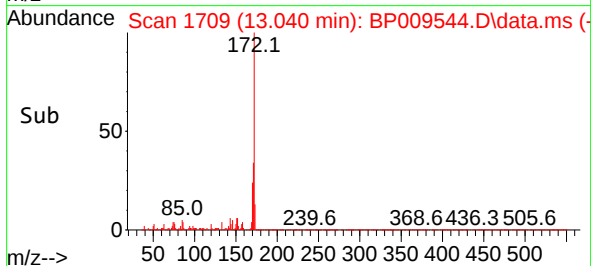
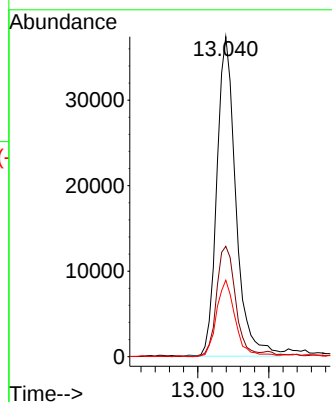
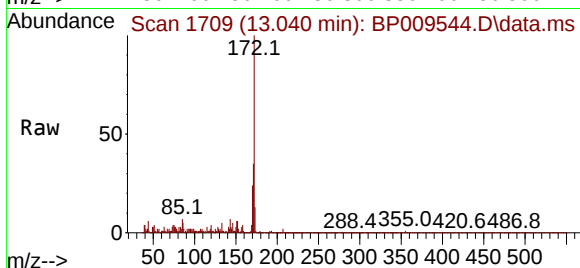
Tgt Ion:172 Resp: 69272

Ion Ratio Lower Upper

172 100

171 34.5 28.0 42.0

170 23.9 18.6 27.8



#52

Acenaphthene

Concen: 17.190 ng

RT: 14.481 min Scan# 1954

Delta R.T. -0.018 min

Lab File: BP009544.D

Acq: 24 Mar 2022 23:30

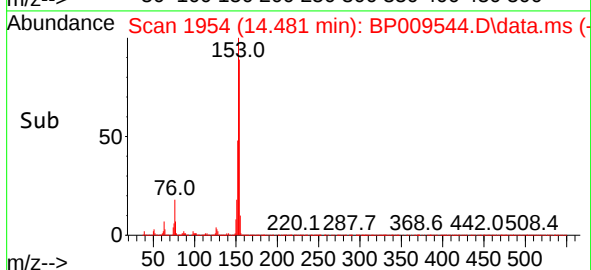
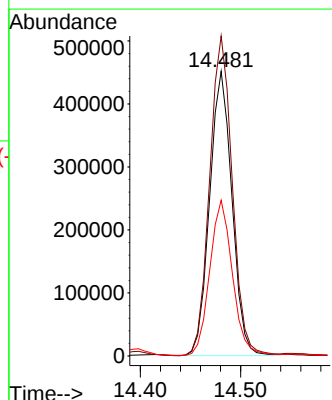
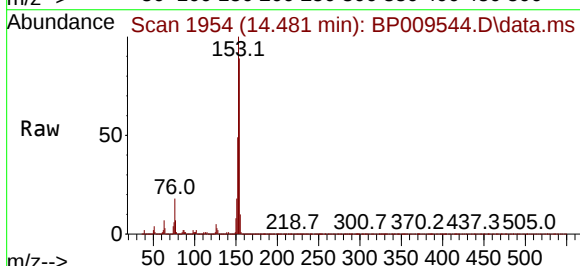
Tgt Ion:154 Resp: 699902

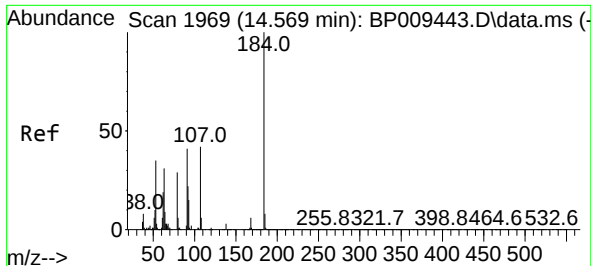
Ion Ratio Lower Upper

154 100

153 112.4 90.2 135.4

152 54.7 42.7 64.1

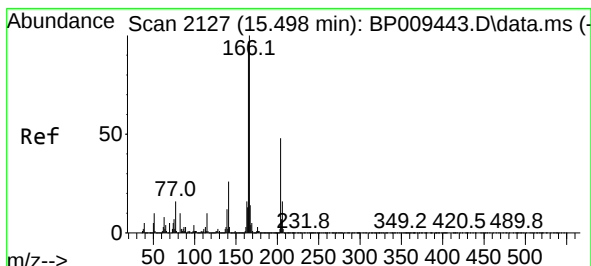
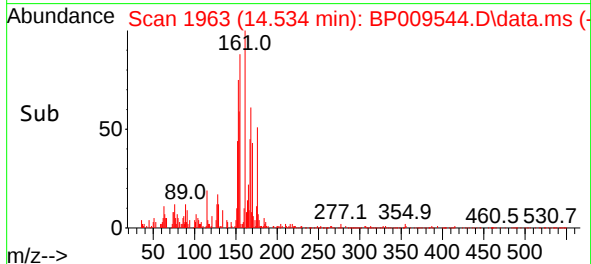
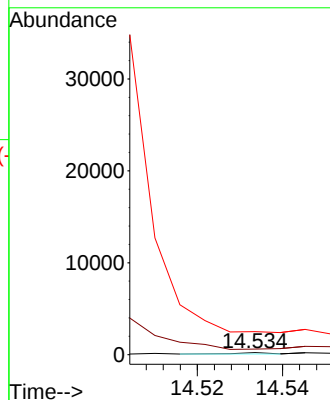
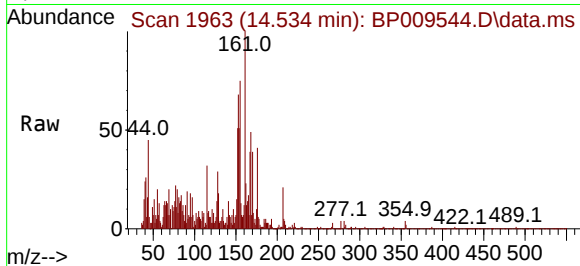




#54
2,4-Dinitrophenol
Concen: 4.542 ng
RT: 14.534 min Scan# 1963
Delta R.T. -0.029 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

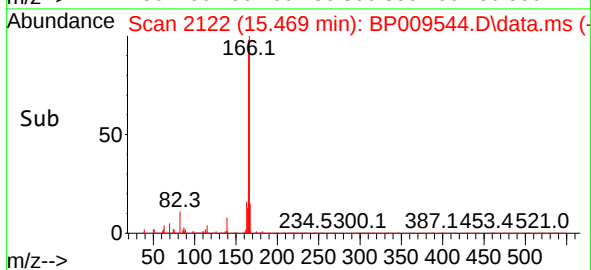
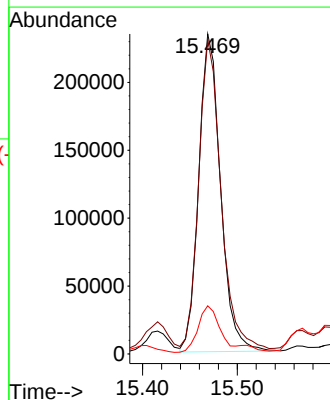
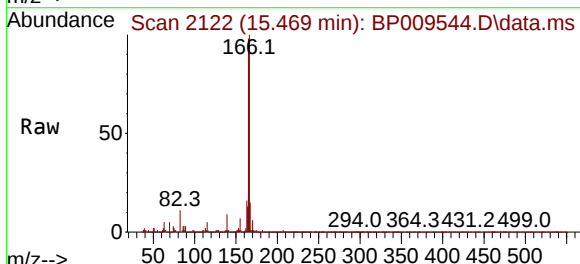
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL

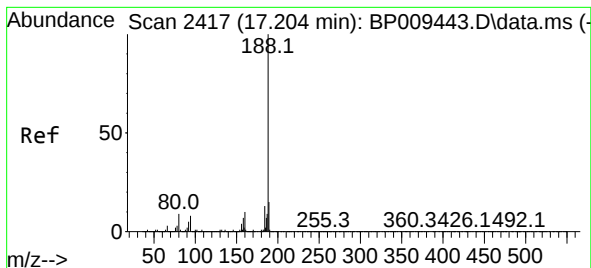
Tgt Ion:184 Resp: 73
Ion Ratio Lower Upper
184 100
63 273.5 46.3 69.5#
154 1124.2 45.8 68.6#



#58
Fluorene
Concen: 6.962 ng
RT: 15.469 min Scan# 2122
Delta R.T. -0.018 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

Tgt Ion:166 Resp: 374530
Ion Ratio Lower Upper
166 100
165 98.3 79.2 118.8
167 15.1 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.180 min Scan# 2413

Delta R.T. -0.018 min

Lab File: BP009544.D

Acq: 24 Mar 2022 23:30

Instrument :

BNA_P

ClientSampleId :

SB-12-20220315-16.0-17.0DL

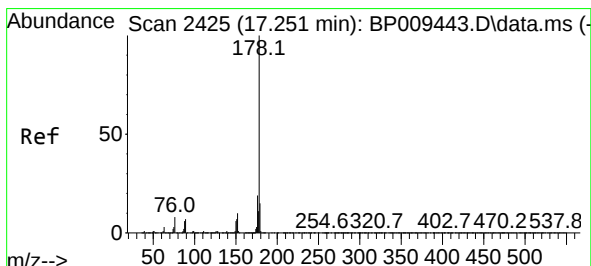
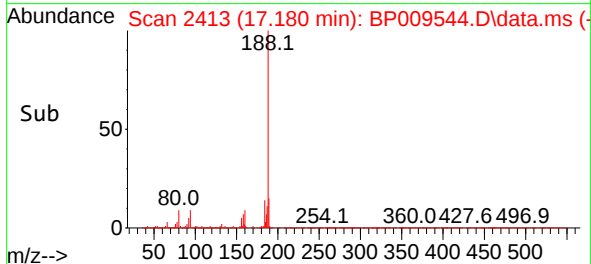
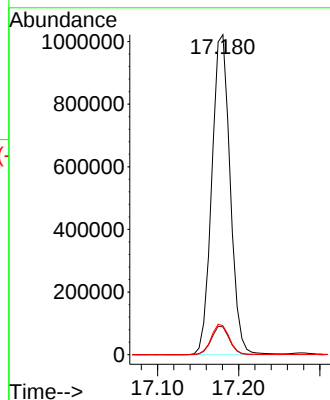
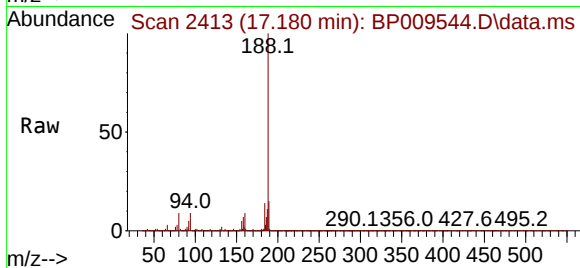
Tgt Ion:188 Resp: 1600467

Ion Ratio Lower Upper

188 100

94 8.7 7.9 11.9

80 9.1 8.8 13.2



#71

Phenanthrene

Concen: 28.092 ng

RT: 17.222 min Scan# 2420

Delta R.T. -0.018 min

Lab File: BP009544.D

Acq: 24 Mar 2022 23:30

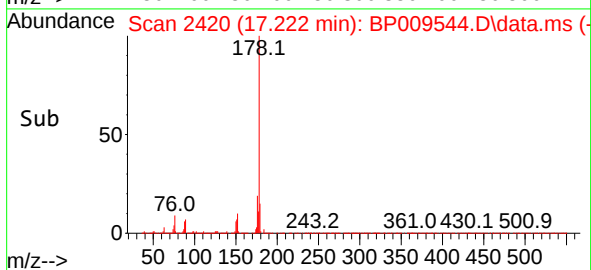
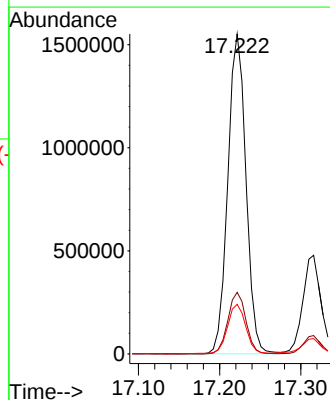
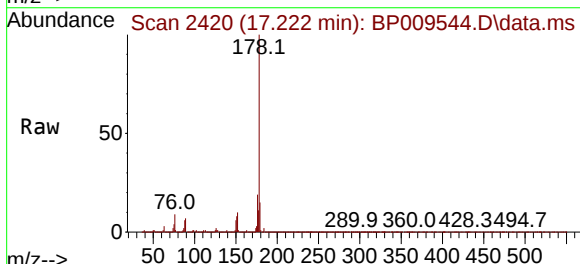
Tgt Ion:178 Resp: 2406712

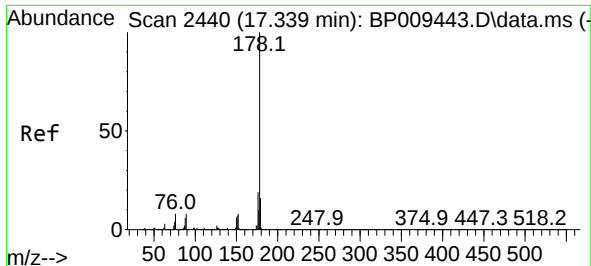
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.5 12.3 18.5

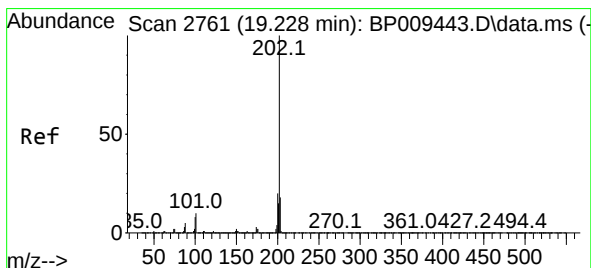
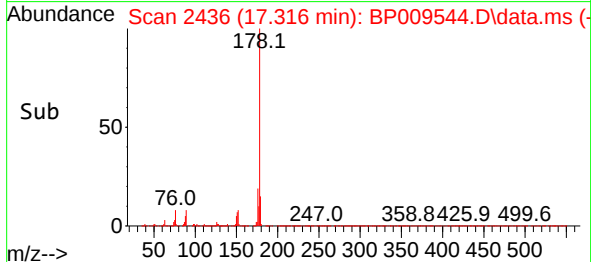
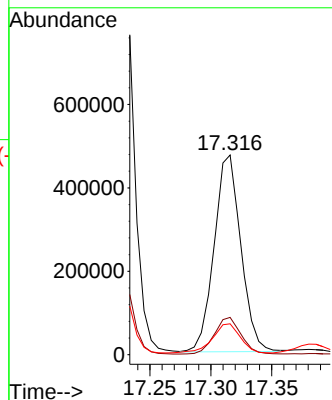
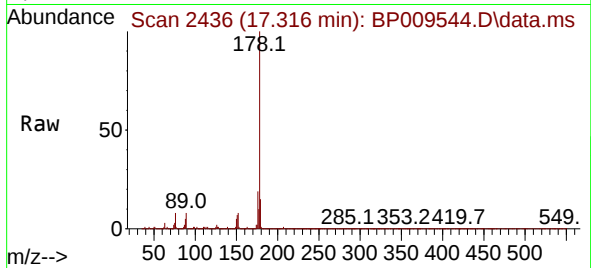




#72
 Anthracene
 Concen: 8.524 ng
 RT: 17.316 min Scan# 2440
 Delta R.T. -0.018 min
 Lab File: BP009544.D
 Acq: 24 Mar 2022 23:30

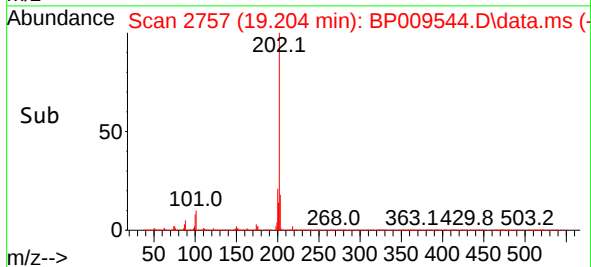
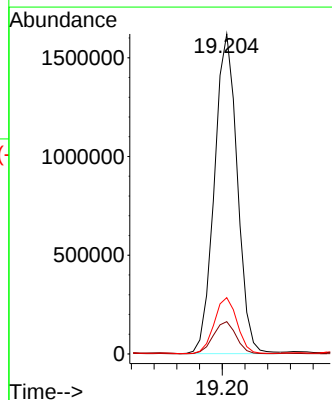
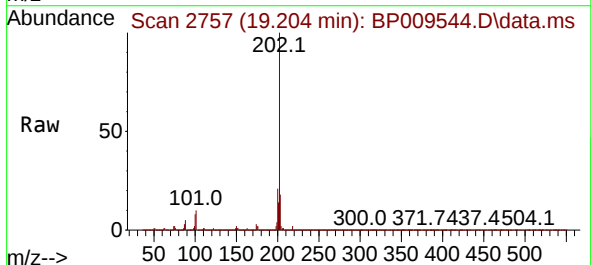
Instrument :
 BNA_P
 ClientSampleId :
 SB-12-20220315-16.0-17.0DL

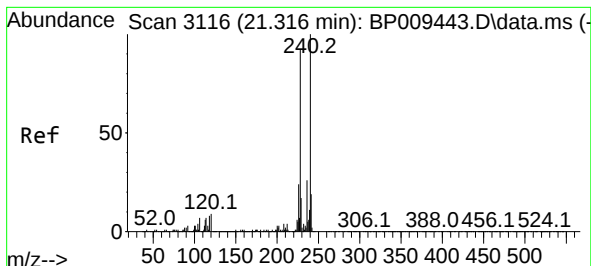
Tgt Ion:178 Resp: 721027
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 15.5 12.2 18.4



#75
 Fluoranthene
 Concen: 21.841 ng
 RT: 19.204 min Scan# 2757
 Delta R.T. -0.018 min
 Lab File: BP009544.D
 Acq: 24 Mar 2022 23:30

Tgt Ion:202 Resp: 2265406
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.5
 203 17.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.292 min Scan# 3116

Delta R.T. -0.023 min

Lab File: BP009544.D

Acq: 24 Mar 2022 23:30

Instrument :

BNA_P

ClientSampleId :

SB-12-20220315-16.0-17.0DL

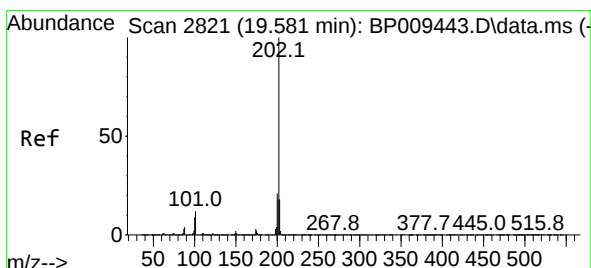
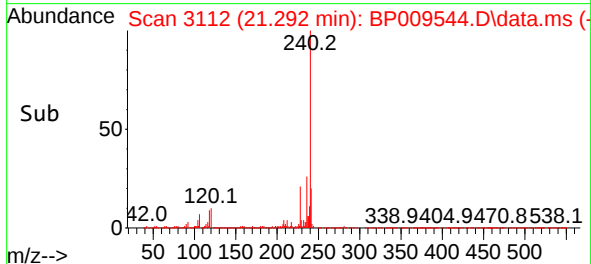
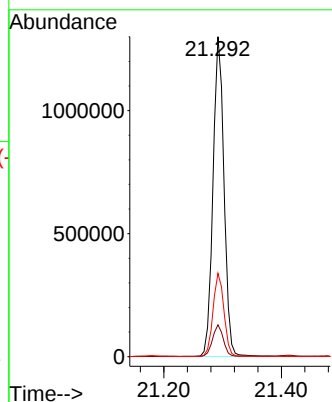
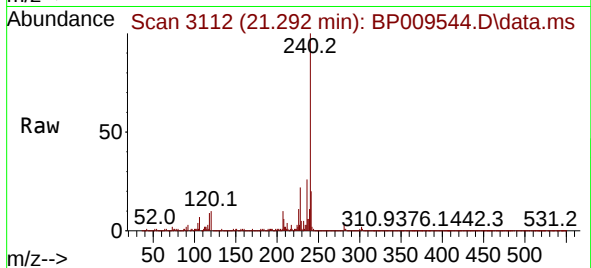
Tgt Ion:240 Resp: 1683497

Ion Ratio Lower Upper

240 100

120 10.0 9.0 13.4

236 26.0 20.6 30.8



#78

Pyrene

Concen: 22.243 ng

RT: 19.557 min Scan# 2817

Delta R.T. -0.018 min

Lab File: BP009544.D

Acq: 24 Mar 2022 23:30

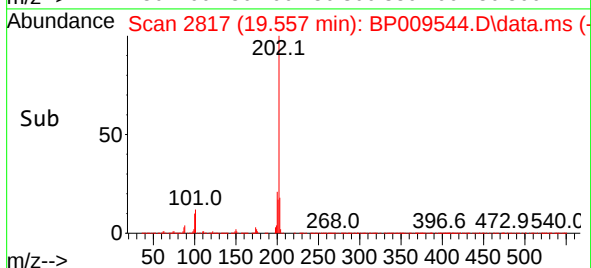
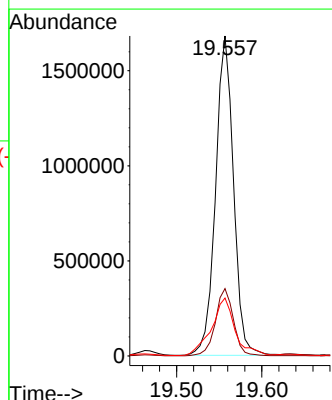
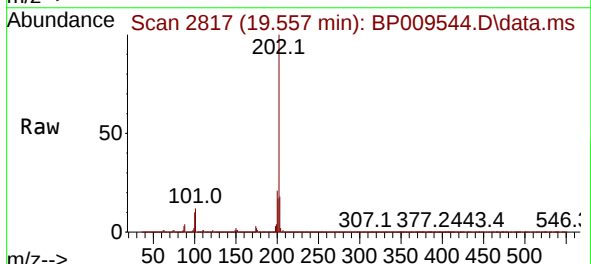
Tgt Ion:202 Resp: 2467574

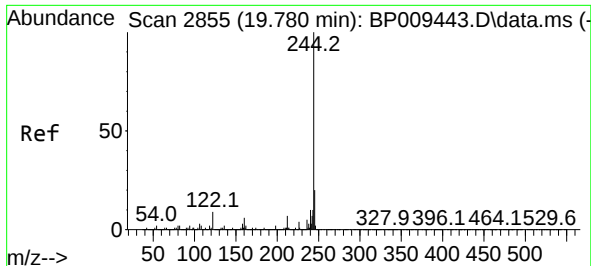
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 18.1 14.2 21.4

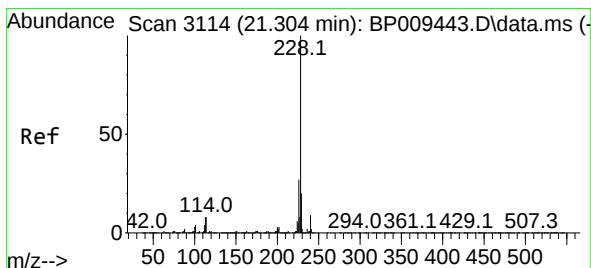
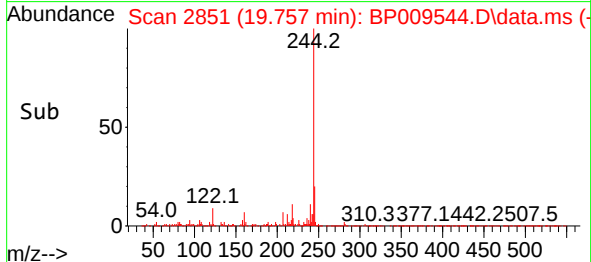
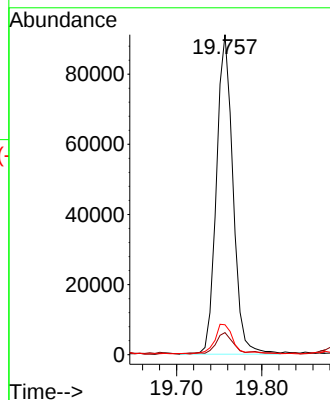
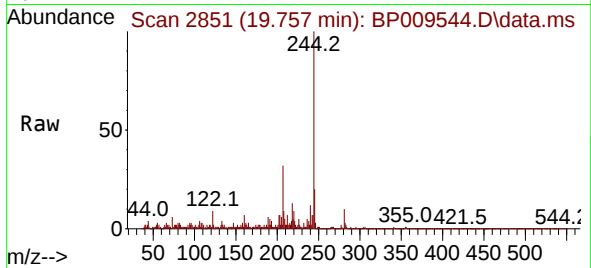




#79
 Terphenyl-d14
 Concen: 1.313 ng
 RT: 19.757 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BP009544.D
 Acq: 24 Mar 2022 23:30

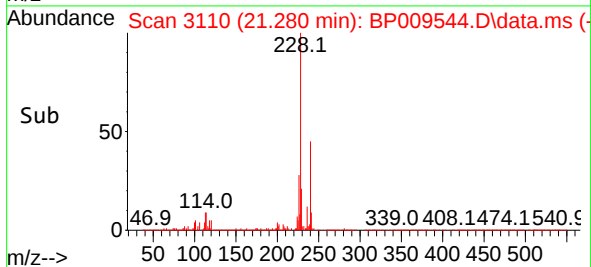
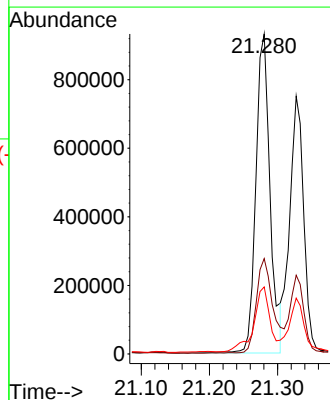
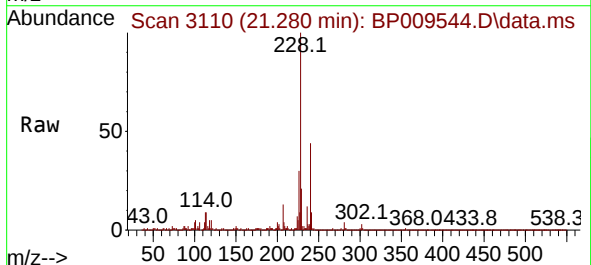
Instrument :
 BNA_P
 ClientSampleId :
 SB-12-20220315-16.0-17.0DL

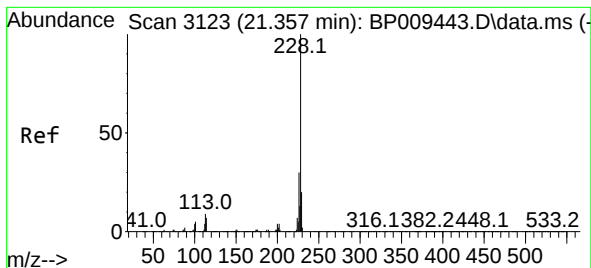
Tgt Ion:244 Resp: 123156
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 9.3 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 12.095 ng
 RT: 21.280 min Scan# 3110
 Delta R.T. -0.018 min
 Lab File: BP009544.D
 Acq: 24 Mar 2022 23:30

Tgt Ion:228 Resp: 1337745
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.0 33.0
 229 20.9 16.1 24.1





#83

Chrysene

Concen: 10.269 ng

RT: 21.327 min Scan# 3118

Delta R.T. -0.023 min

Lab File: BP009544.D

Acq: 24 Mar 2022 23:30

Instrument :

BNA_P

ClientSampleId :

SB-12-20220315-16.0-17.0DL

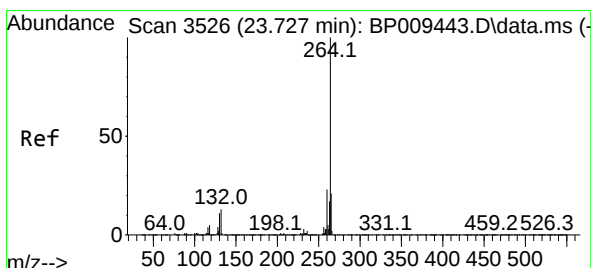
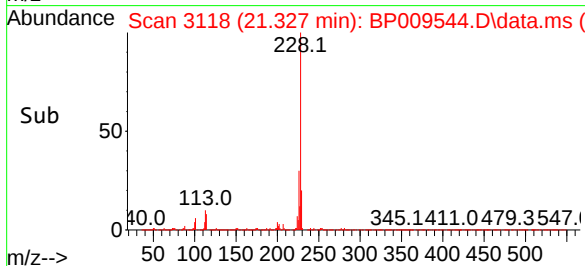
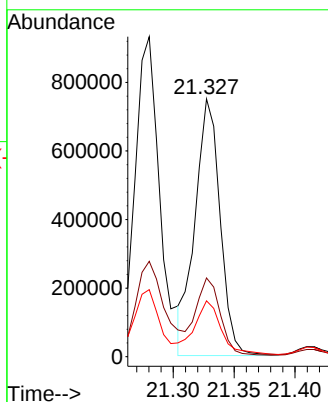
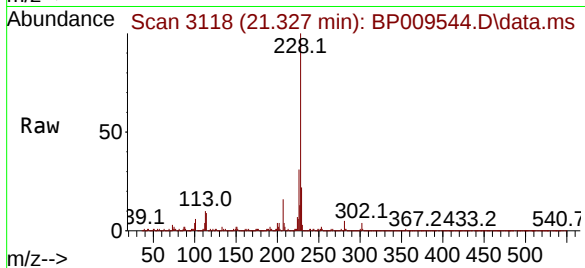
Tgt Ion:228 Resp: 1075503

Ion Ratio Lower Upper

228 100

226 30.5 24.2 36.2

229 21.6 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.686 min Scan# 3519

Delta R.T. -0.029 min

Lab File: BP009544.D

Acq: 24 Mar 2022 23:30

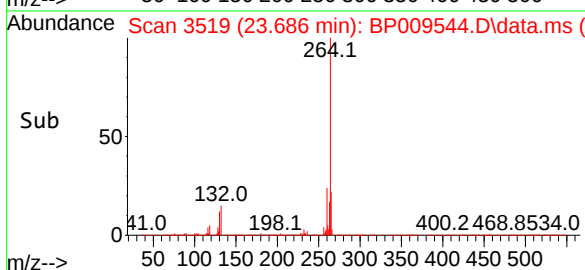
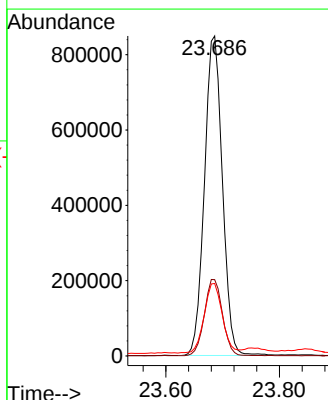
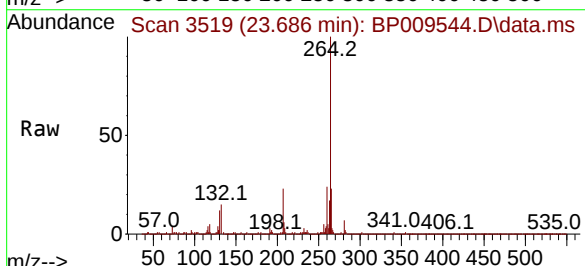
Tgt Ion:264 Resp: 1856154

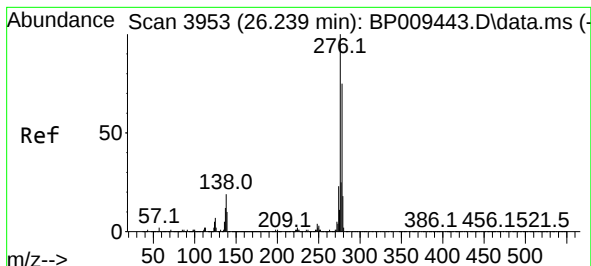
Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.0

265 22.6 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.807 ng

RT: 26.168 min Scan# 3941

Delta R.T. -0.059 min

Lab File: BP009544.D

Acq: 24 Mar 2022 23:30

Instrument :

BNA_P

ClientSampleId :

SB-12-20220315-16.0-17.0DL

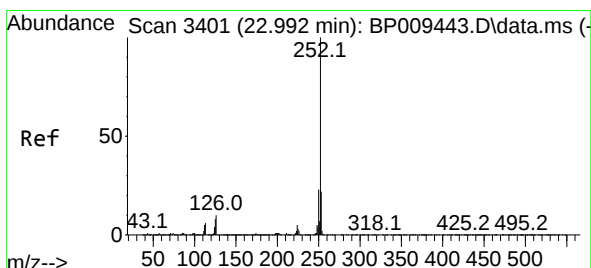
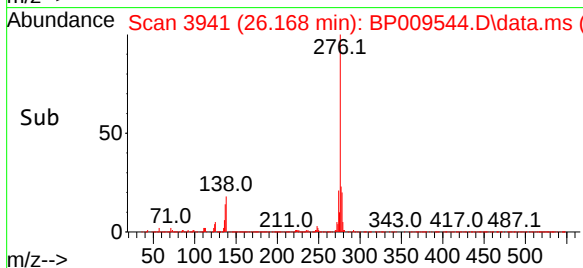
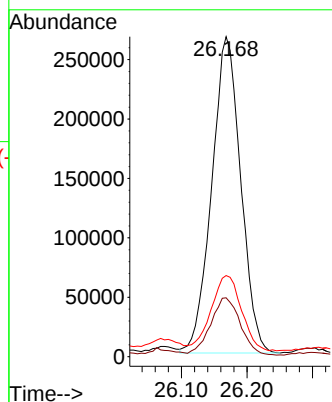
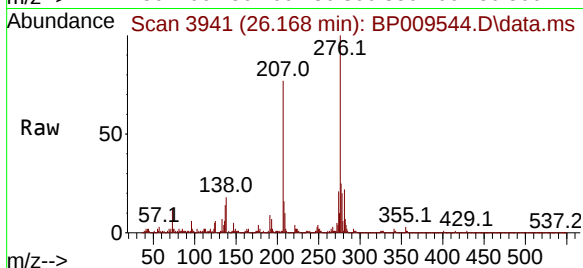
Tgt Ion:276 Resp: 817779

Ion Ratio Lower Upper

276 100

138 18.5 20.5 30.7#

277 24.9 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 17.622 ng

RT: 22.963 min Scan# 3396

Delta R.T. -0.023 min

Lab File: BP009544.D

Acq: 24 Mar 2022 23:30

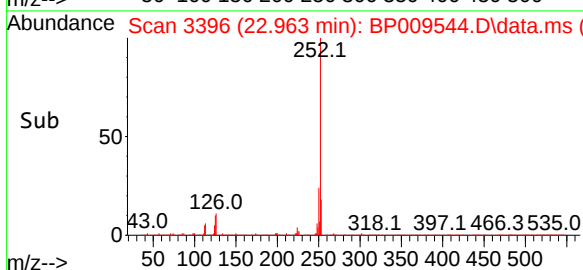
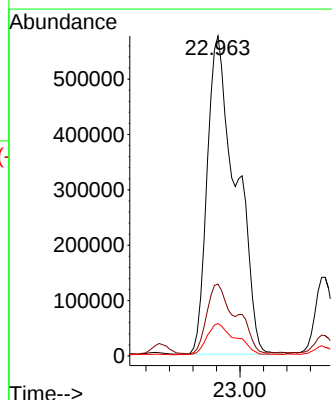
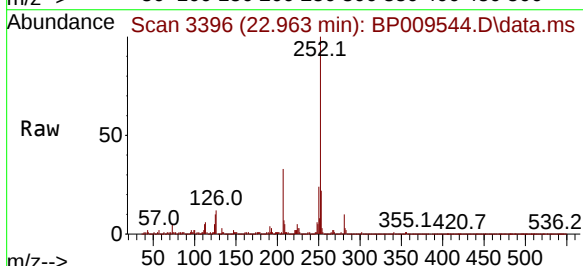
Tgt Ion:252 Resp: 1952686

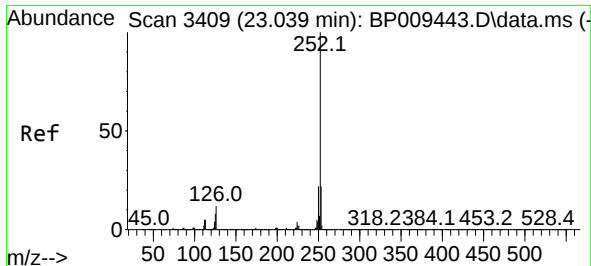
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 10.1 8.1 12.1

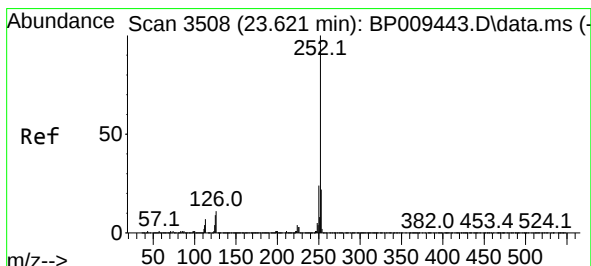
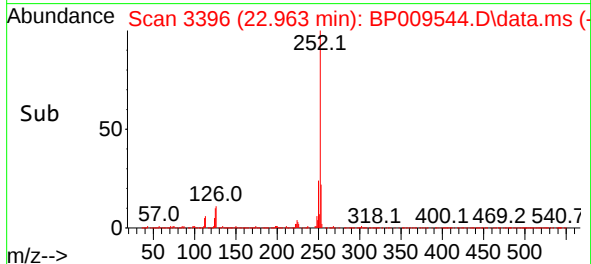
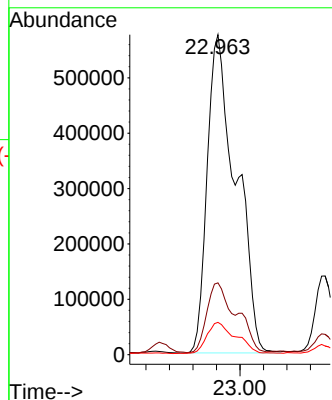
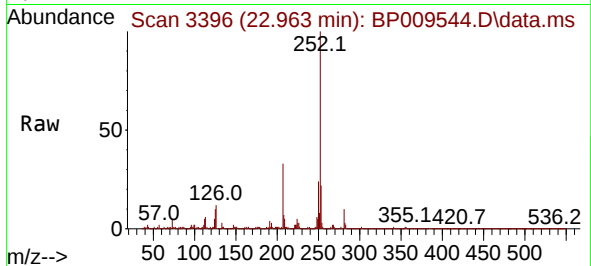




#89
Benzo(k)fluoranthene
Concen: 18.003 ng
RT: 22.963 min Scan# 31
Delta R.T. -0.076 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

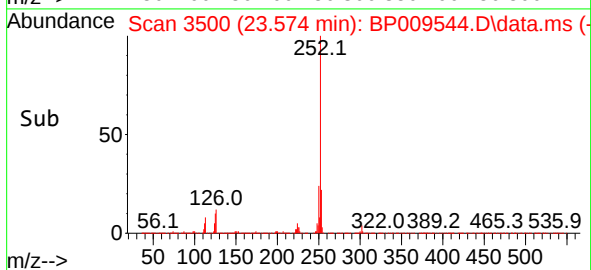
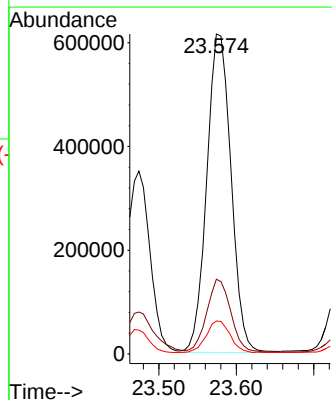
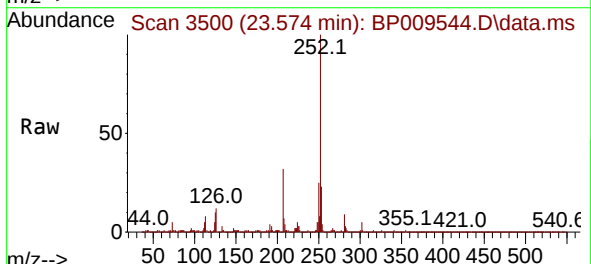
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL

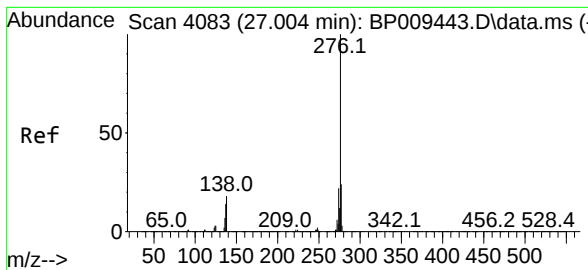
Tgt Ion:252 Resp: 1953218
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 10.1 8.3 12.5



#90
Benzo(a)pyrene
Concen: 14.131 ng
RT: 23.574 min Scan# 3500
Delta R.T. -0.035 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

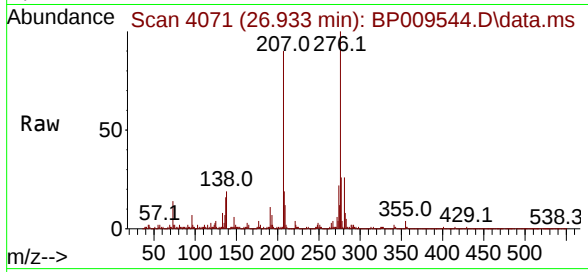
Tgt Ion:252 Resp: 1339700
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 10.3 9.3 13.9





#92
 Benzo(g,h,i)perylene
 Concen: 7.215 ng
 RT: 26.933 min Scan# 40
 Delta R.T. -0.053 min
 Lab File: BP009544.D
 Acq: 24 Mar 2022 23:30

Instrument :
 BNA_P
 ClientSampleId :
 SB-12-20220315-16.0-17.0DL



Tgt Ion: 276 Resp: 833051

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	19.1	18.0	27.0

