

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033122\
 Data File : BP009635.D
 Acq On : 31 Mar 2022 12:45
 Operator : CG/JU
 Sample : N2095-04DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-04-4.0-5.0DL

Quant Time: Mar 31 14:42:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

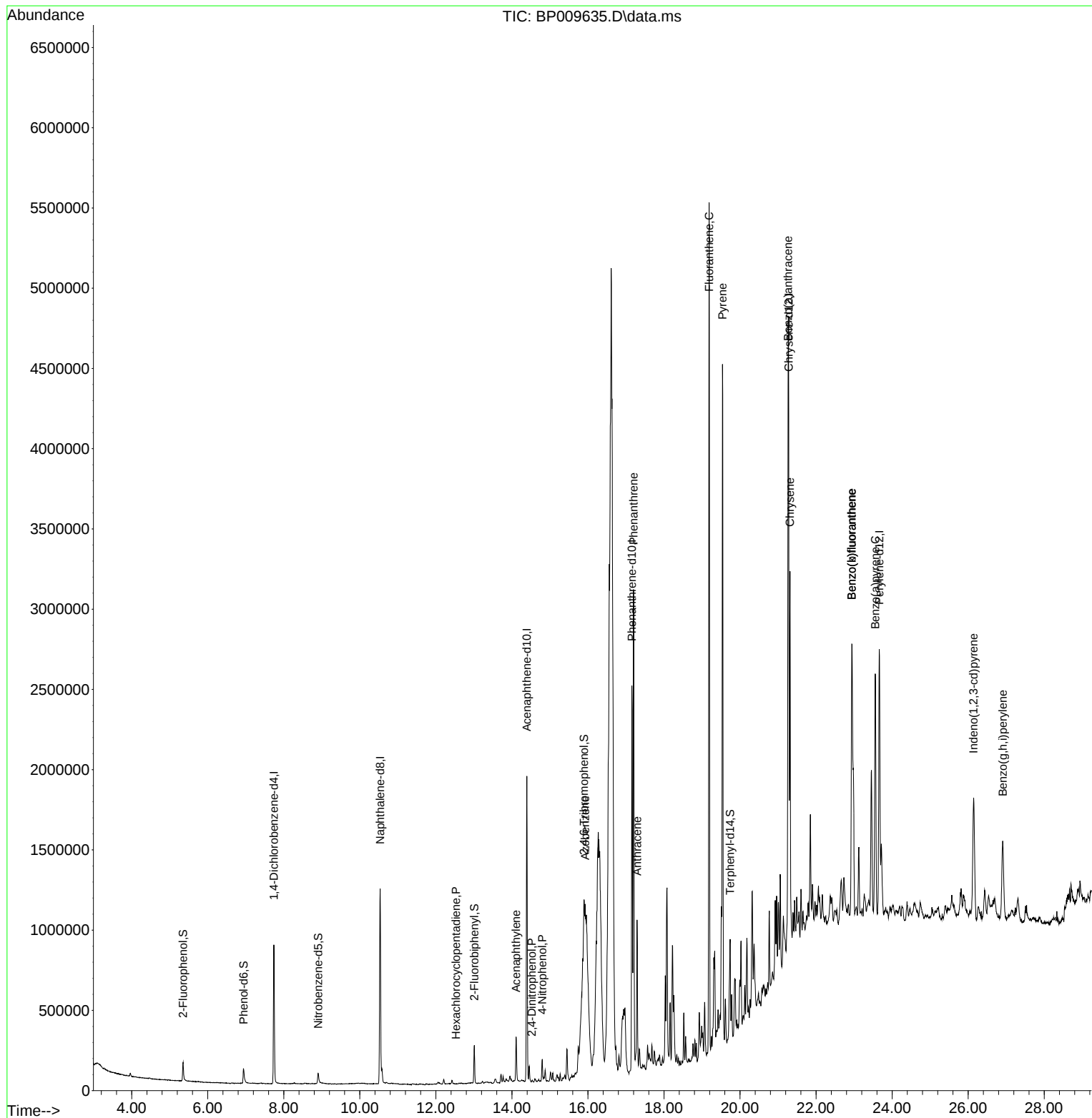
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	272062	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1163766	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	705447	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1605283	20.000	ng	0.00
76) Chrysene-d12	21.280	240	1270024	20.000	ng	# 0.00
86) Perylene-d12	23.663	264	1394613	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	70755	4.541	ng	0.00
7) Phenol-d6	6.940	99	82611	3.920	ng	0.00
23) Nitrobenzene-d5	8.905	82	54074	2.469	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	47804	4.106	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	143502	2.820	ng	0.00
79) Terphenyl-d14	19.739	244	325555	4.601	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.899	77	595	Below Cal	#	49
41) Hexachlorocyclopentadiene	12.528	237	44	7.292	ng	86
49) Acenaphthylene	14.110	152	219209	3.427	ng	99
54) 2,4-Dinitrophenol	14.522	184	41	4.538	ng	# 1
56) 4-Nitrophenol	14.798	139	27665	3.137	ng	# 11
63) Azobenzene	15.928	77	1284785	27.607	ng	# 1
71) Phenanthrene	17.198	178	1958075	22.787	ng	100
72) Anthracene	17.292	178	571879	6.741	ng	99
75) Fluoranthene	19.186	202	3291013	31.634	ng	98
78) Pyrene	19.539	202	2795241	33.400	ng	99
81) Benzo(a)anthracene	21.263	228	1655691	19.843	ng	98
83) Chrysene	21.316	228	1334189	16.886	ng	97
87) Indeno(1,2,3-cd)pyrene	26.145	276	834416	7.886	ng	# 91
88) Benzo(b)fluoranthene	22.939	252	2270187	27.268	ng	97
89) Benzo(k)fluoranthene	22.939	252	2270187	27.850	ng	97
90) Benzo(a)pyrene	23.557	252	1250566	17.557	ng	96
92) Benzo(g,h,i)perylene	26.909	276	724800	8.355	ng	# 93

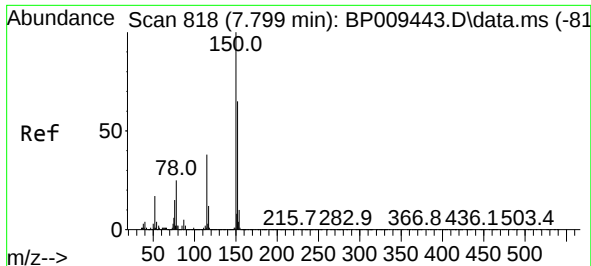
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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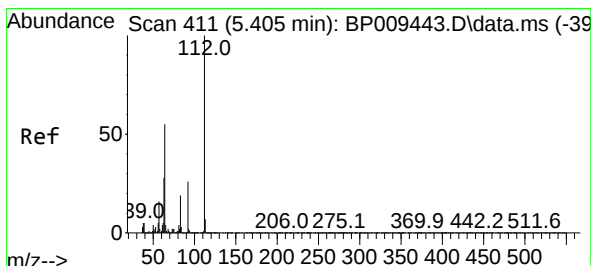
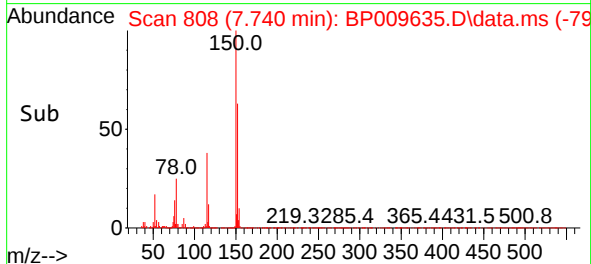
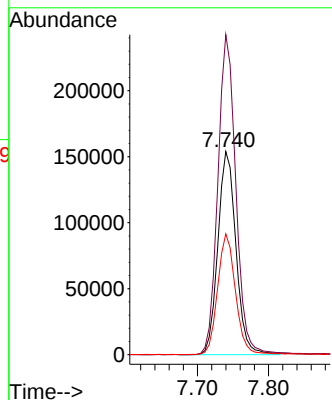
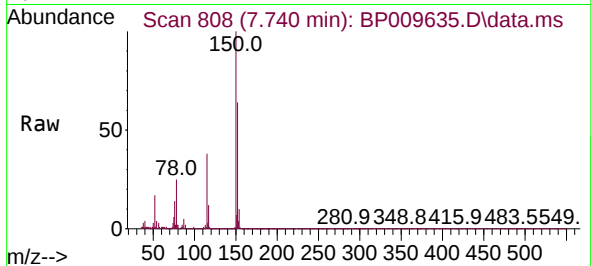




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.740 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BP009635.D
 Acq: 31 Mar 2022 12:45

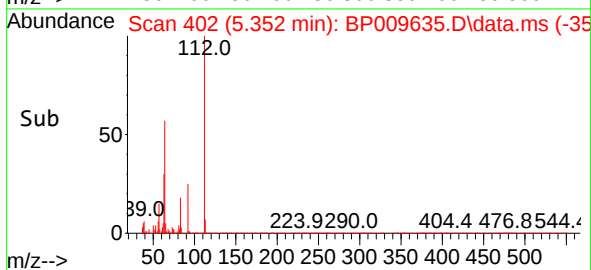
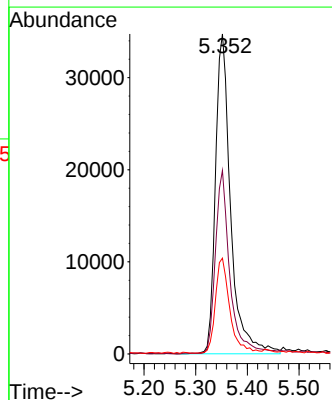
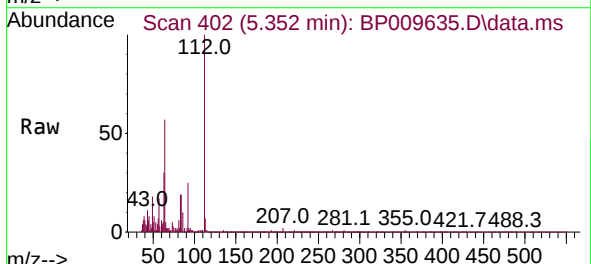
Instrument :
 BNA_P
 ClientSampleId :
 SB-04-4.0-5.0DL

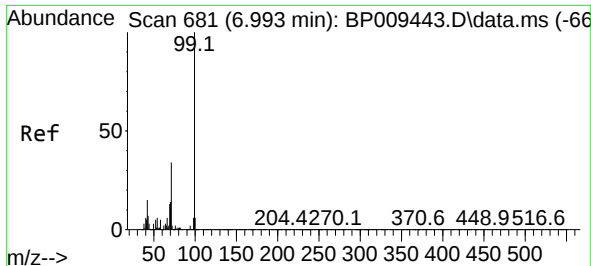
Tgt Ion:152 Resp: 272062
 Ion Ratio Lower Upper
 152 100
 150 157.4 124.5 186.7
 115 59.4 48.2 72.4



#5
 2-Fluorophenol
 Concen: 4.541 ng
 RT: 5.352 min Scan# 402
 Delta R.T. 0.006 min
 Lab File: BP009635.D
 Acq: 31 Mar 2022 12:45

Tgt Ion:112 Resp: 70755
 Ion Ratio Lower Upper
 112 100
 64 57.4 45.0 67.4
 63 29.9 23.0 34.6

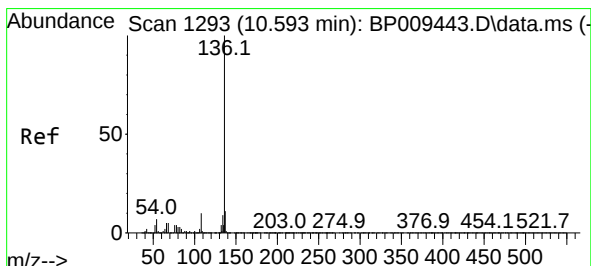
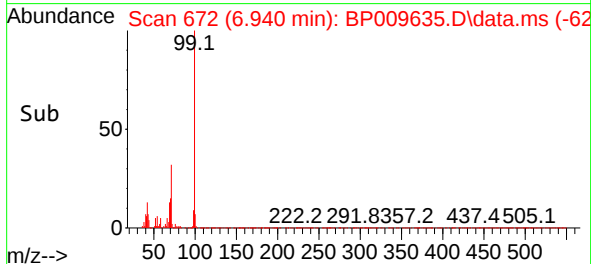
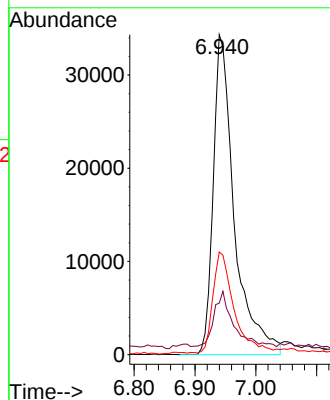
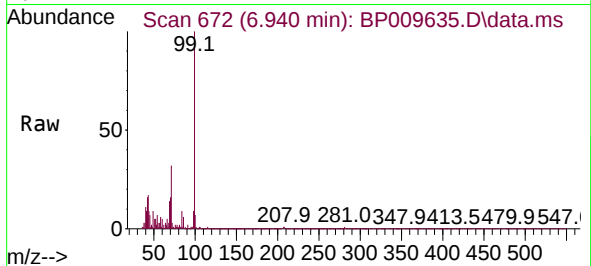




#7
Phenol-d6
Concen: 3.920 ng
RT: 6.940 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

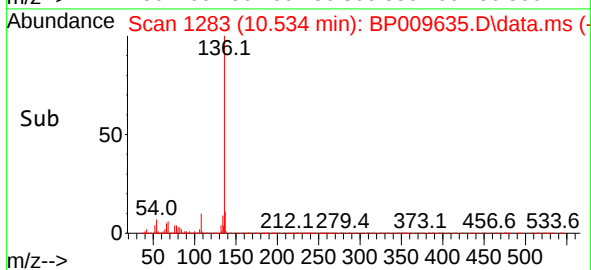
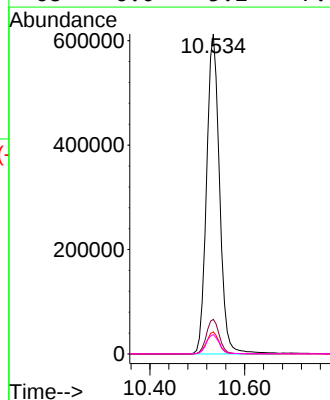
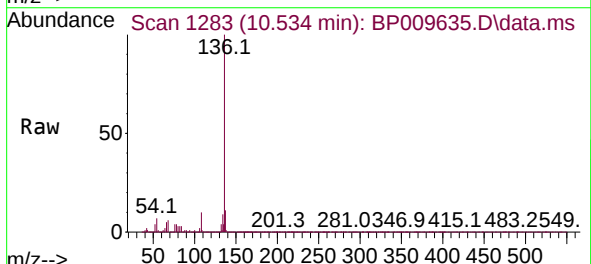
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0DL

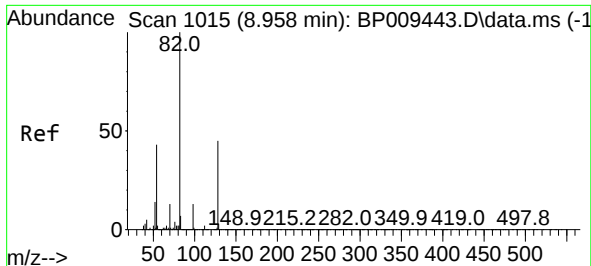
Tgt Ion: 99 Resp: 82611
Ion Ratio Lower Upper
99 100
42 16.1 12.8 19.2
71 32.1 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

Tgt Ion: 136 Resp: 1163766
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 6.9 5.8 8.8
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 2.469 ng

RT: 8.905 min Scan# 1015

Delta R.T. 0.006 min

Lab File: BP009635.D

Acq: 31 Mar 2022 12:45

Instrument :

BNA_P

ClientSampleId :

SB-04-4.0-5.0DL

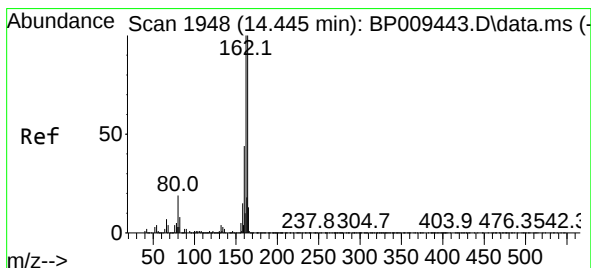
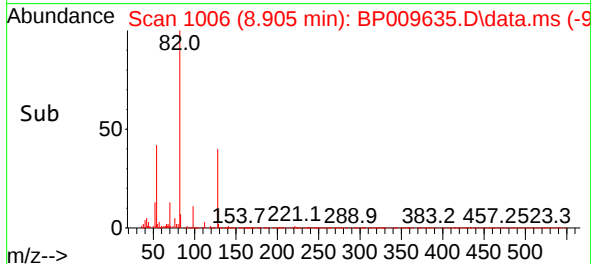
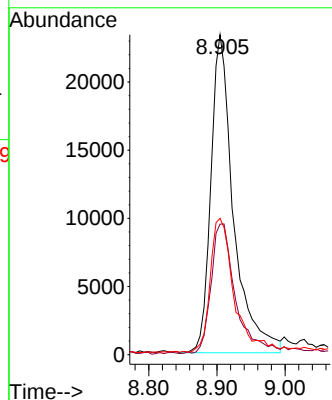
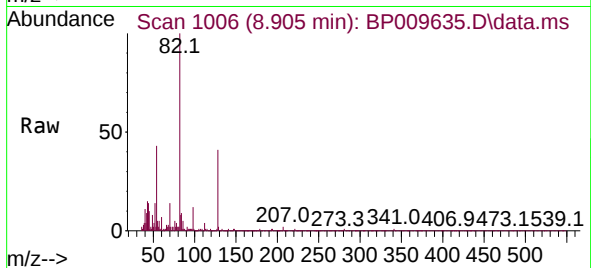
Tgt Ion: 82 Resp: 54074

Ion Ratio Lower Upper

82 100

128 40.8 34.2 51.4

54 42.6 34.7 52.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1939

Delta R.T. 0.000 min

Lab File: BP009635.D

Acq: 31 Mar 2022 12:45

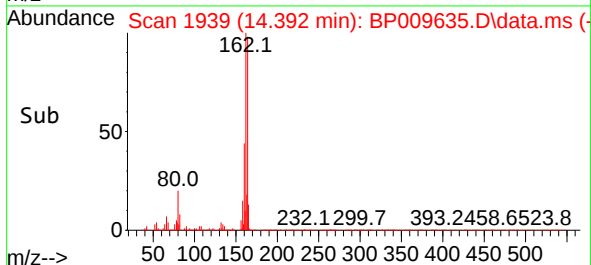
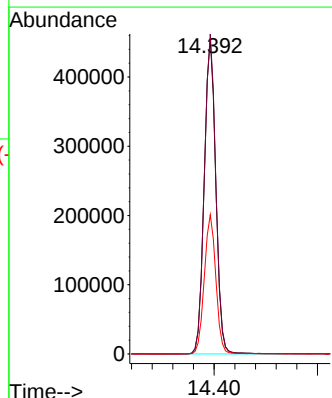
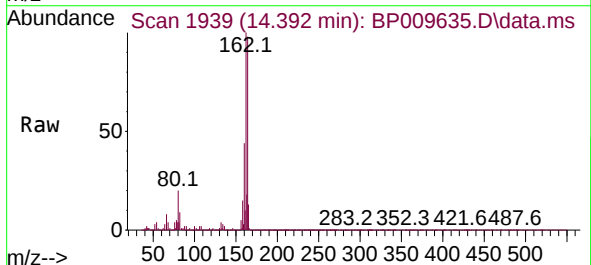
Tgt Ion:164 Resp: 705447

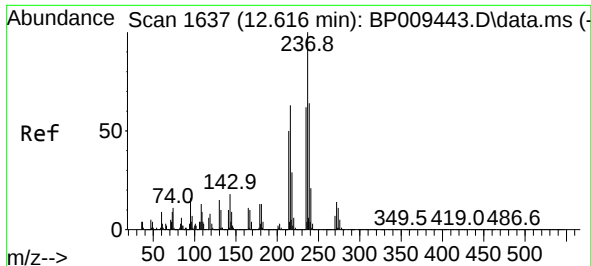
Ion Ratio Lower Upper

164 100

162 101.6 79.1 118.7

160 44.2 34.9 52.3

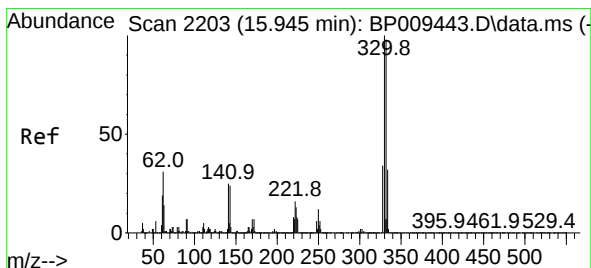
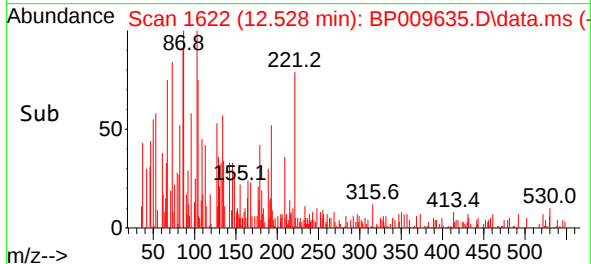
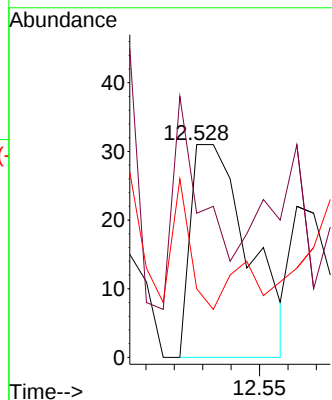
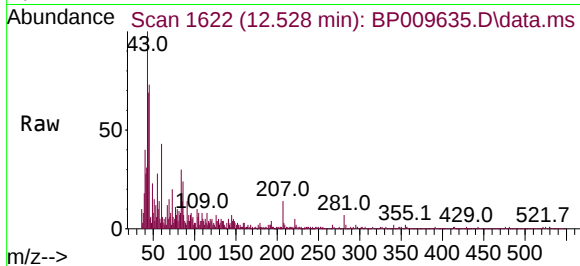




#41
Hexachlorocyclopentadiene
Concen: 7.292 ng
RT: 12.528 min Scan# 11
Delta R.T. -0.029 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

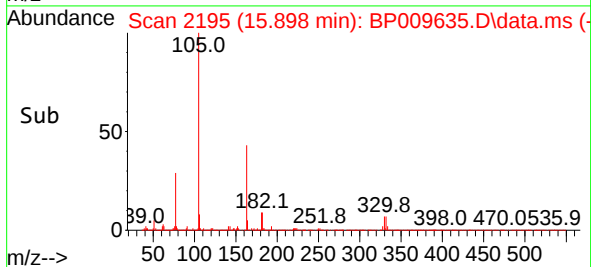
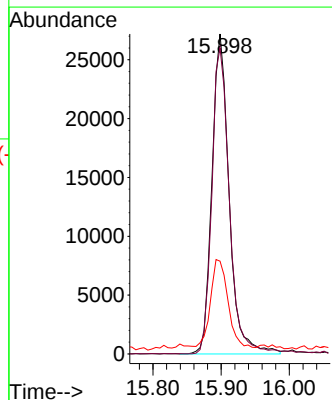
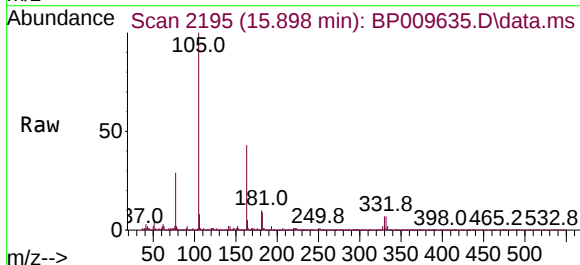
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0DL

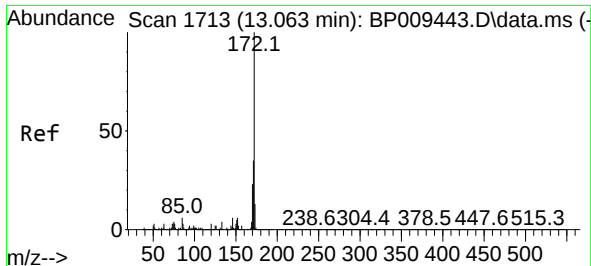
Tgt Ion:237	Resp:	44	
Ion	Ratio	Lower	Upper
237	100		
235	67.7	42.6	82.6
272	32.3	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 4.106 ng
RT: 15.898 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

Tgt Ion:330	Resp:	47804	
Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.0	115.6
141	29.0	27.6	41.4

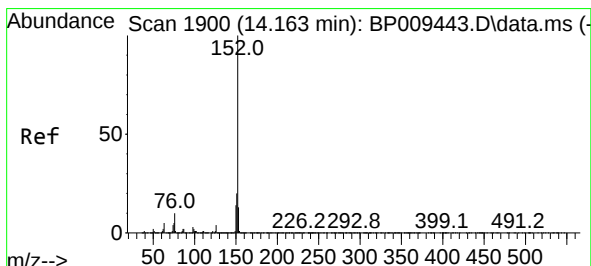
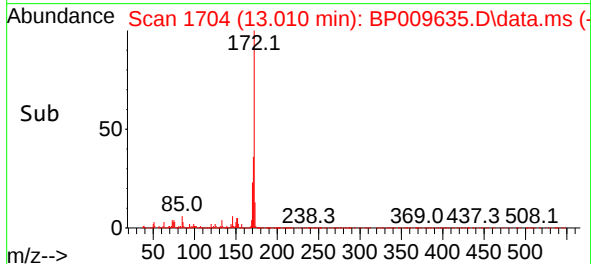
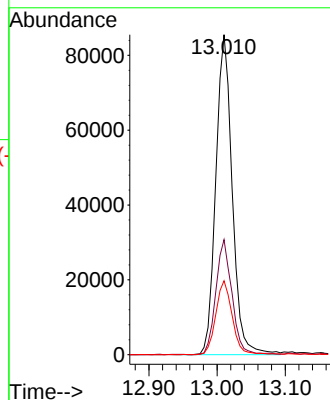
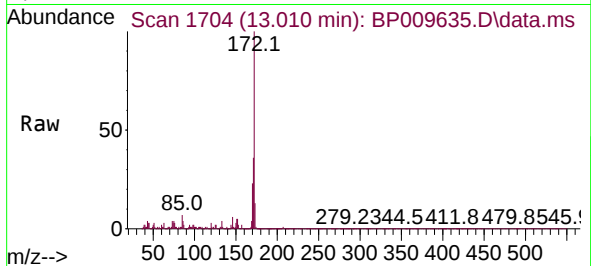




#45
2-Fluorobiphenyl
Concen: 2.820 ng
RT: 13.010 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

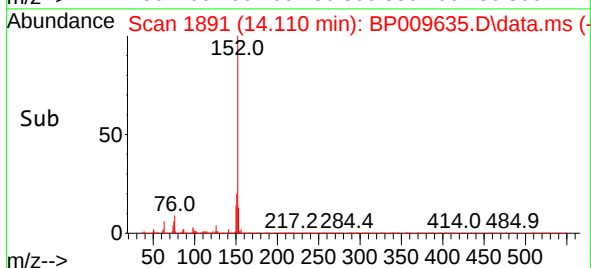
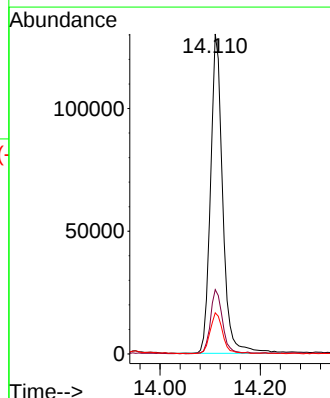
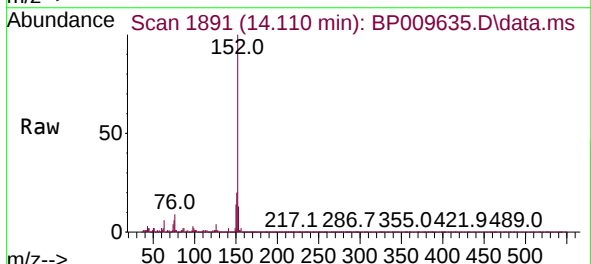
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0DL

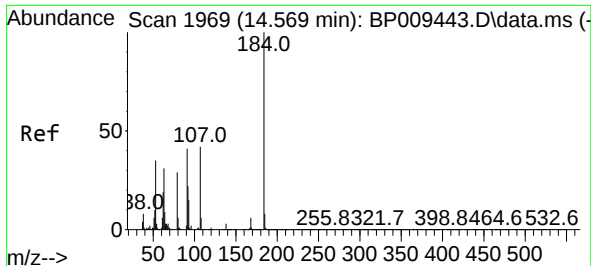
Tgt Ion:172 Resp: 143502
Ion Ratio Lower Upper
172 100
171 36.0 28.0 42.0
170 23.1 18.6 27.8



#49
Acenaphthylene
Concen: 3.427 ng
RT: 14.110 min Scan# 1891
Delta R.T. 0.000 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

Tgt Ion:152 Resp: 219209
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 12.8 10.7 16.1

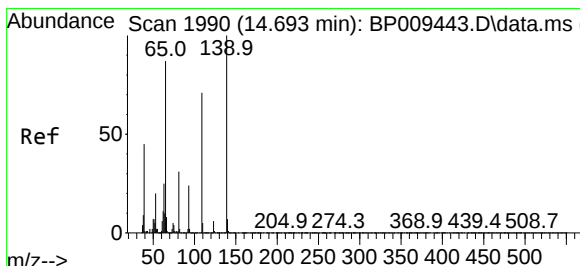
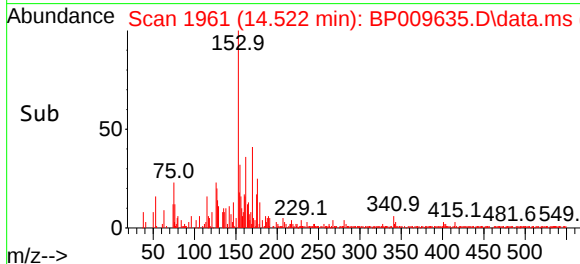
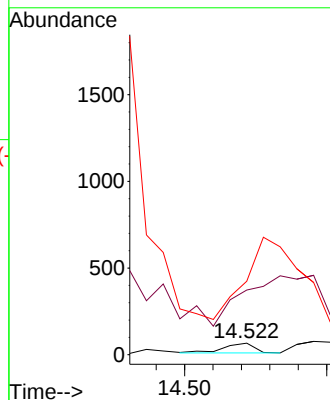
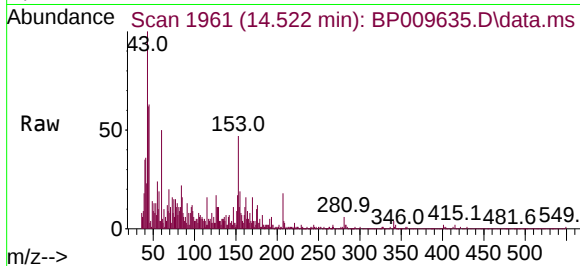




#54
2,4-Dinitrophenol
Concen: 4.538 ng
RT: 14.522 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

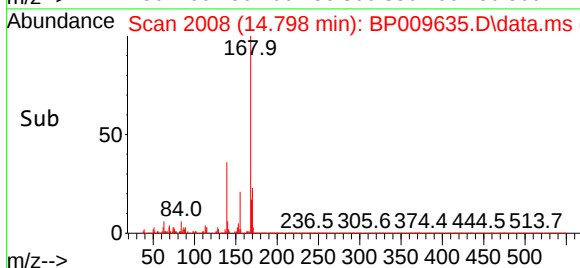
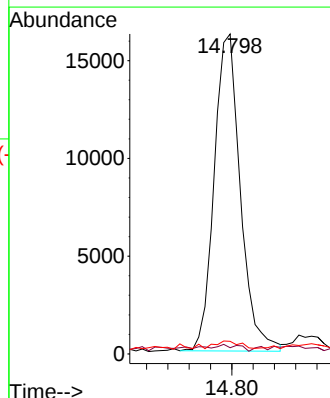
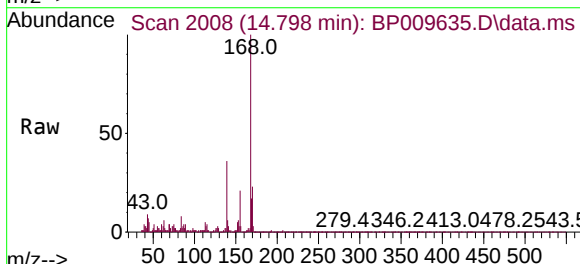
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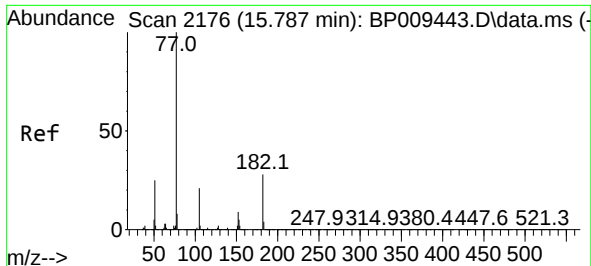
Tgt Ion:184 Resp: 41
Ion Ratio Lower Upper
184 100
63 556.7 46.3 69.5#
154 632.8 45.8 68.6#



#56
4-Nitrophenol
Concen: 3.137 ng
RT: 14.798 min Scan# 2008
Delta R.T. 0.153 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

Tgt Ion:139 Resp: 27665
Ion Ratio Lower Upper
139 100
109 1.9 51.2 91.2#
65 3.9 73.2 113.2#

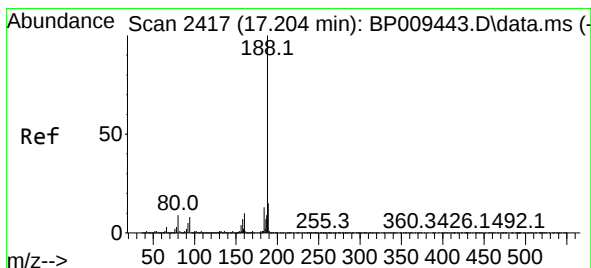
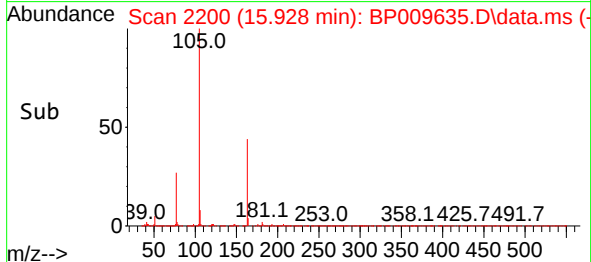
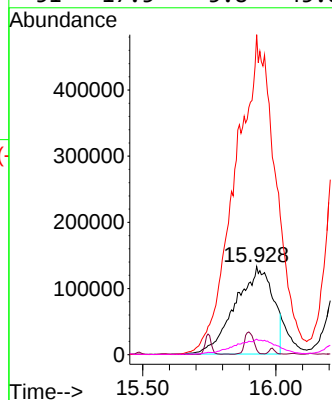
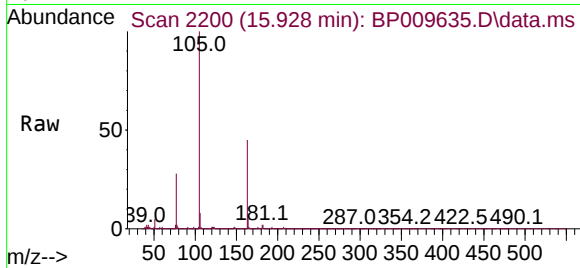




#63
Azobenzene
Concen: 27.607 ng
RT: 15.928 min Scan# 2176
Delta R.T. 0.188 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

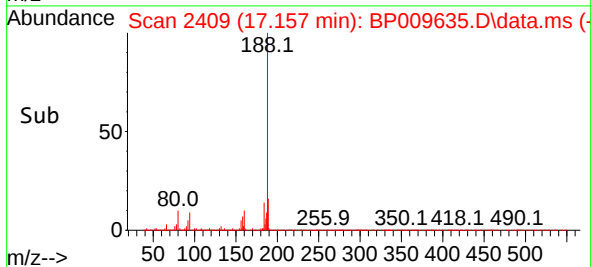
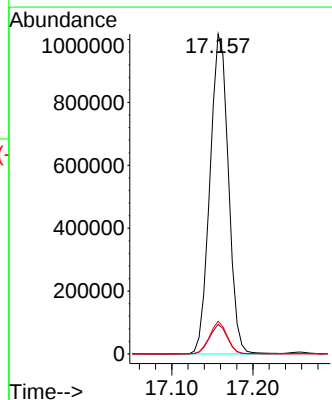
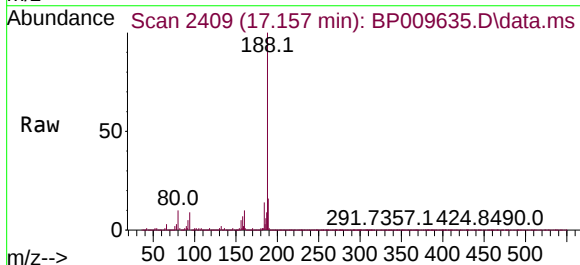
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0DL

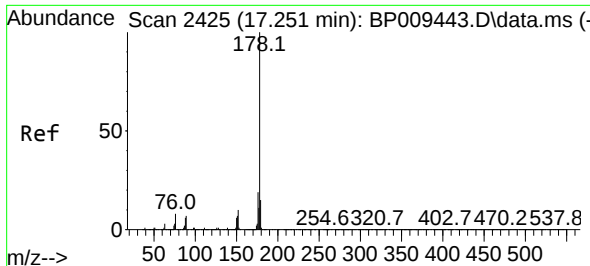
Tgt Ion: 77 Resp: 1284785
Ion Ratio Lower Upper
77 100
182 5.6 5.4 45.4
105 362.6 0.3 40.3#
51 17.5 5.8 45.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

Tgt Ion:188 Resp: 1605283
Ion Ratio Lower Upper
188 100
94 9.3 7.9 11.9
80 10.2 8.8 13.2

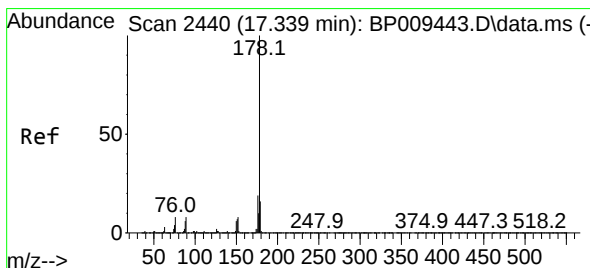
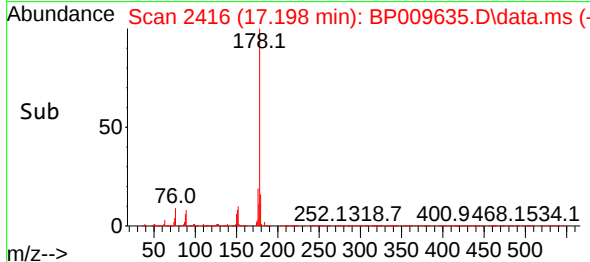
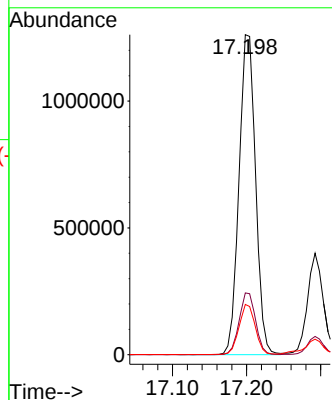
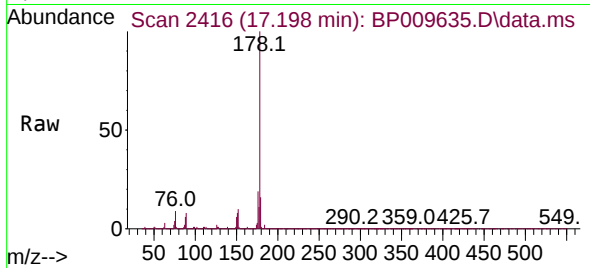




#71
Phenanthrene
Concen: 22.787 ng
RT: 17.198 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

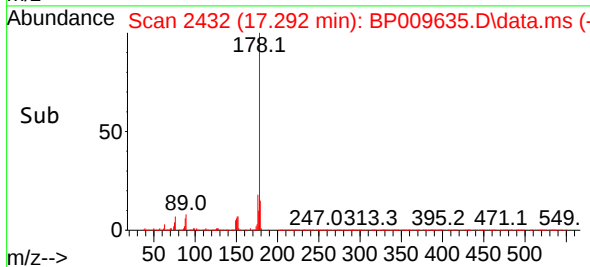
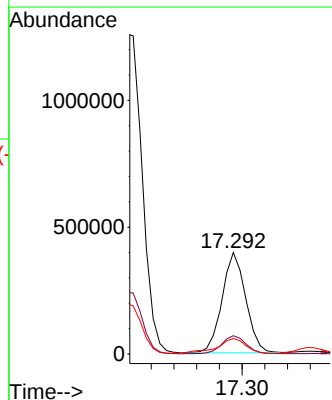
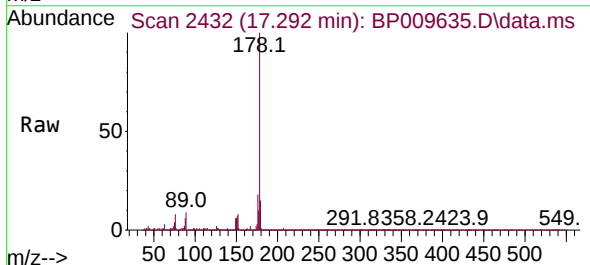
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0DL

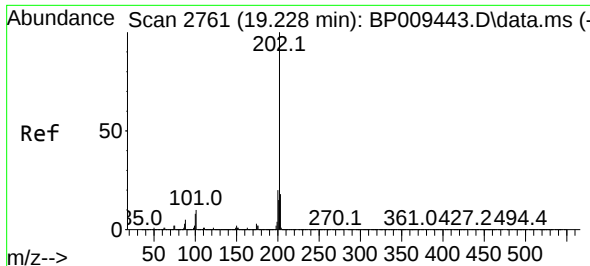
Tgt Ion:178 Resp: 1958075
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.7 12.3 18.5



#72
Anthracene
Concen: 6.741 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

Tgt Ion:178 Resp: 571879
Ion Ratio Lower Upper
178 100
176 17.9 14.8 22.2
179 15.3 12.2 18.4

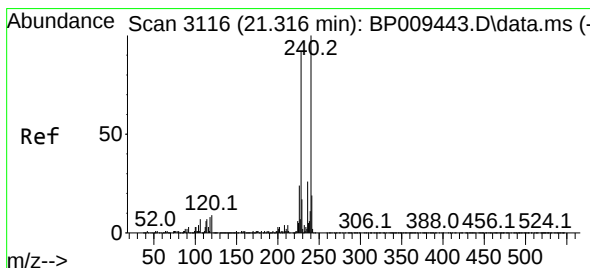
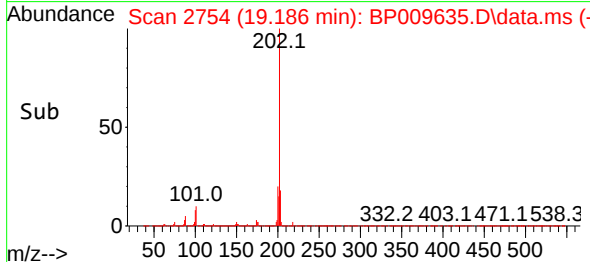
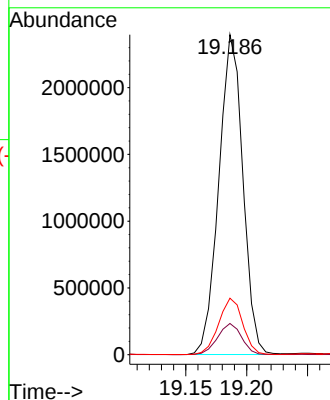
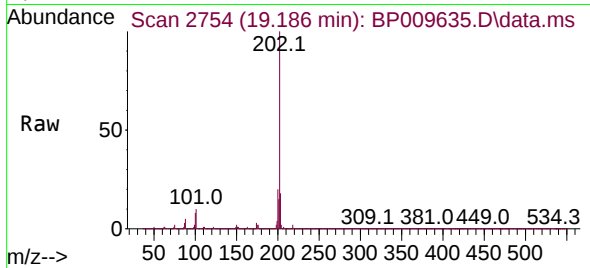




#75
Fluoranthene
Concen: 31.634 ng
RT: 19.186 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

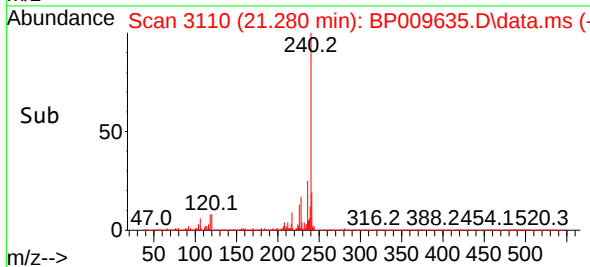
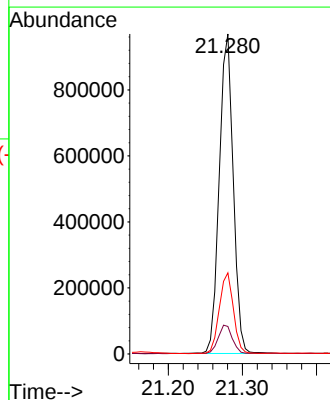
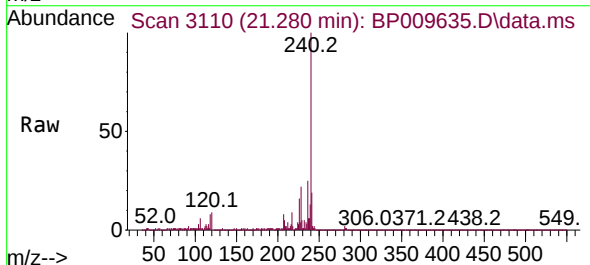
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0DL

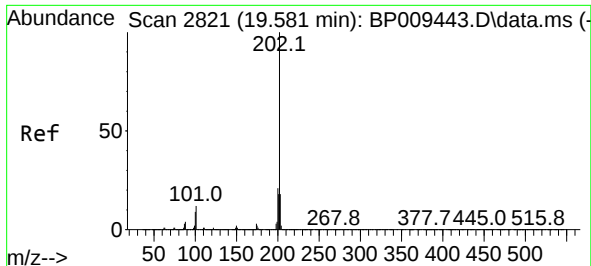
Tgt Ion:202 Resp: 3291013
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.5
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.280 min Scan# 3110
Delta R.T. 0.006 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

Tgt Ion:240 Resp: 1270024
Ion Ratio Lower Upper
240 100
120 8.6 9.0 13.4#
236 25.3 20.6 30.8

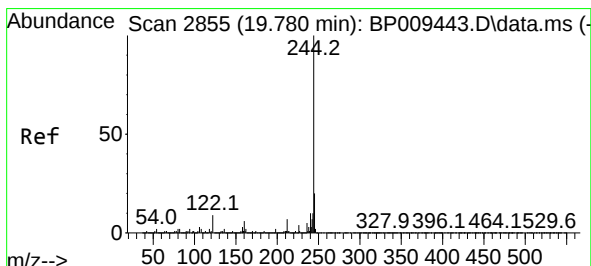
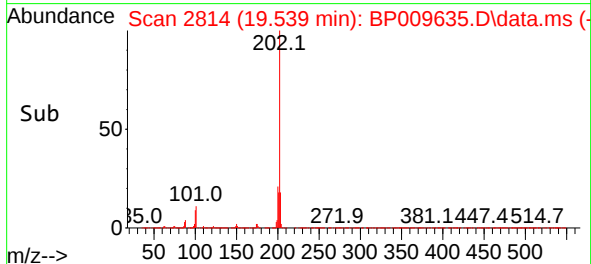
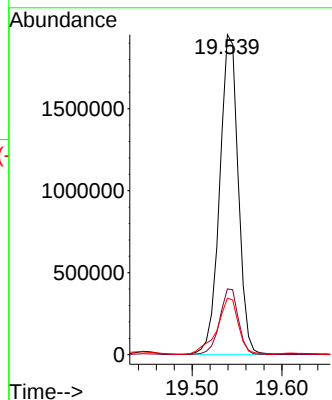
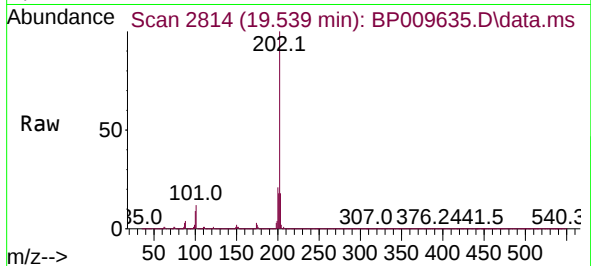




#78
Pyrene
Concen: 33.400 ng
RT: 19.539 min Scan# 2814
Delta R.T. 0.000 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

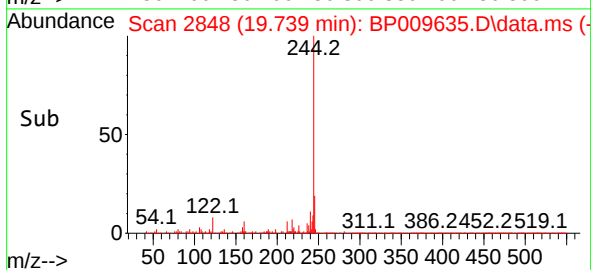
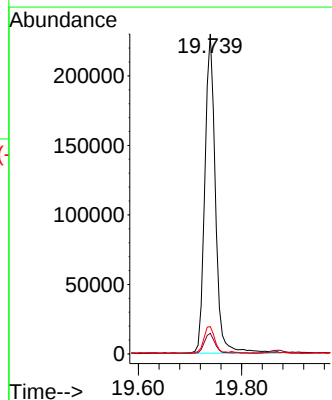
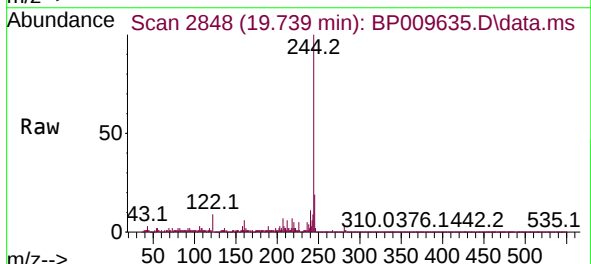
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0DL

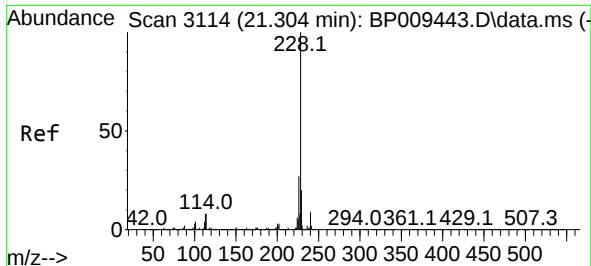
Tgt Ion:202 Resp: 2795241
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 17.7 14.2 21.4



#79
Terphenyl-d14
Concen: 4.601 ng
RT: 19.739 min Scan# 2848
Delta R.T. 0.000 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

Tgt Ion:244 Resp: 325555
Ion Ratio Lower Upper
244 100
212 6.5 5.8 8.6
122 8.5 8.3 12.5

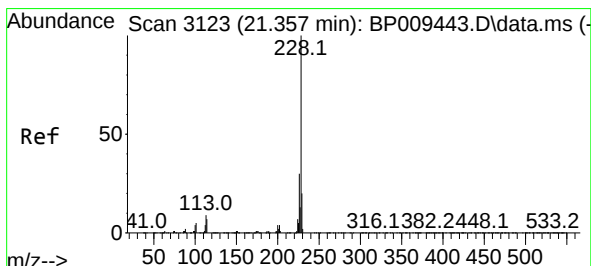
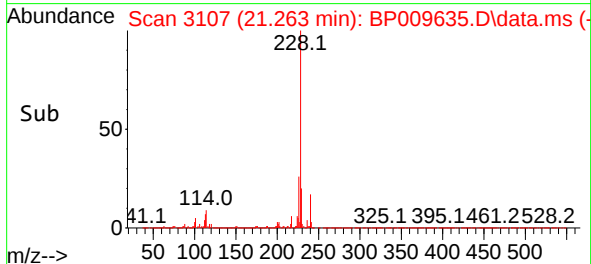
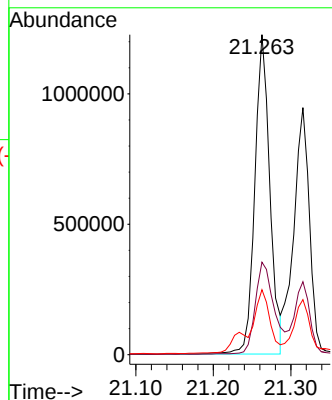
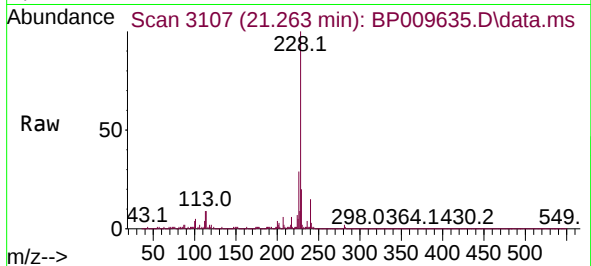




#81
Benzo(a)anthracene
Concen: 19.843 ng
RT: 21.263 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

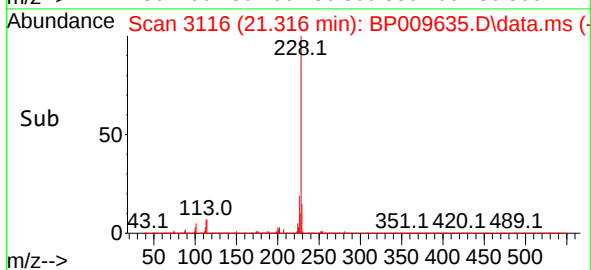
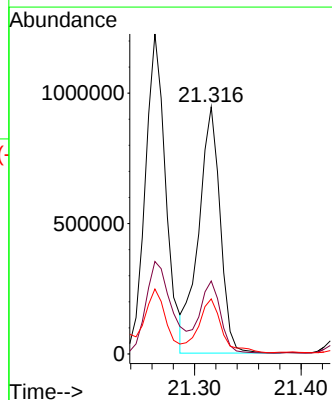
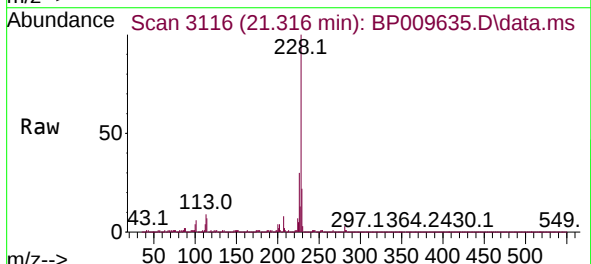
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0DL

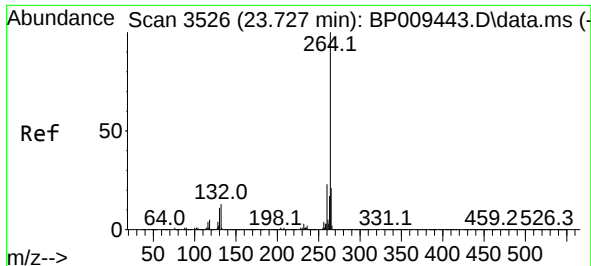
Tgt Ion:228 Resp: 1655691
Ion Ratio Lower Upper
228 100
226 28.9 22.0 33.0
229 20.3 16.1 24.1



#83
Chrysene
Concen: 16.886 ng
RT: 21.316 min Scan# 3116
Delta R.T. 0.006 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

Tgt Ion:228 Resp: 1334189
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.2
229 22.3 16.1 24.1



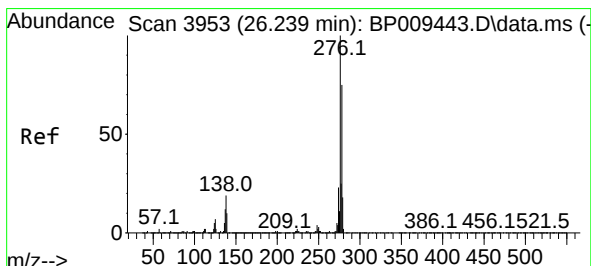
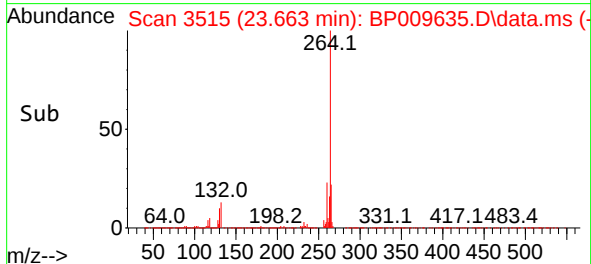
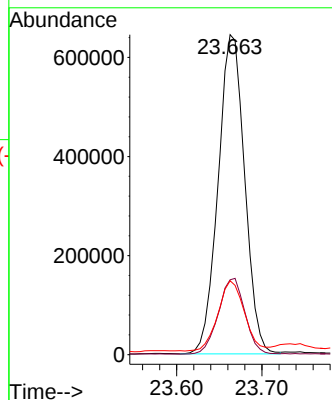
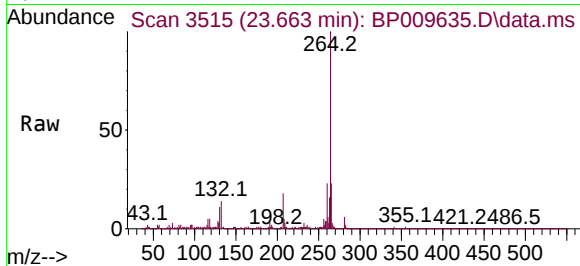


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.663 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0DL

Tgt Ion:264 Resp: 1394613

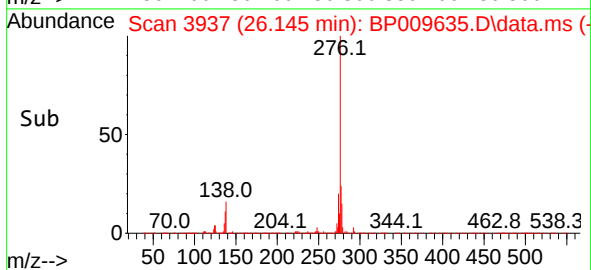
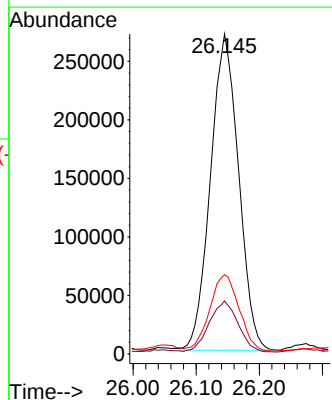
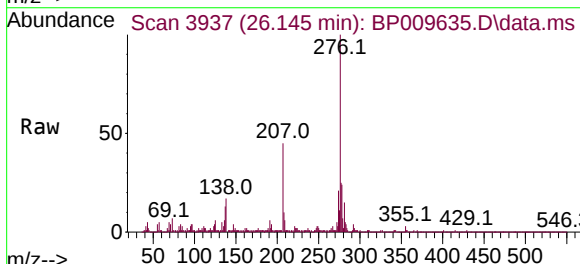
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	23.1	17.2	25.8

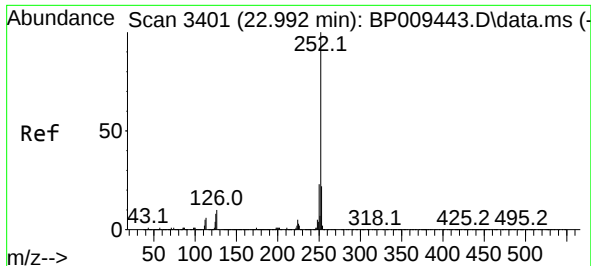


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.886 ng
RT: 26.145 min Scan# 3937
Delta R.T. 0.006 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

Tgt Ion:276 Resp: 834416

Ion	Ratio	Lower	Upper
276	100		
138	16.5	20.5	30.7#
277	25.3	20.4	30.6

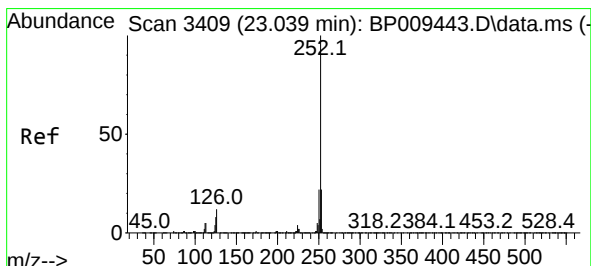
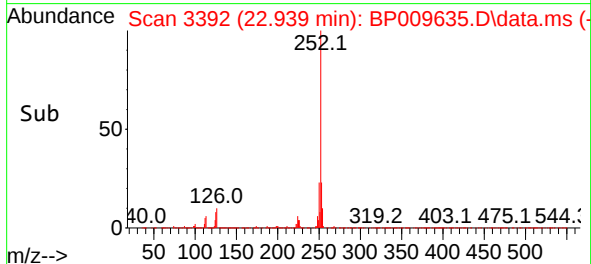
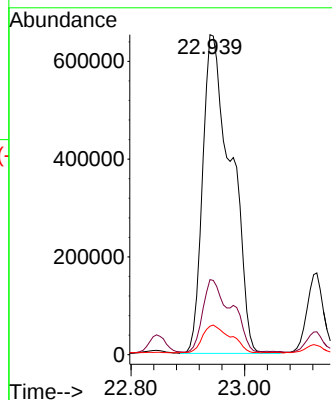
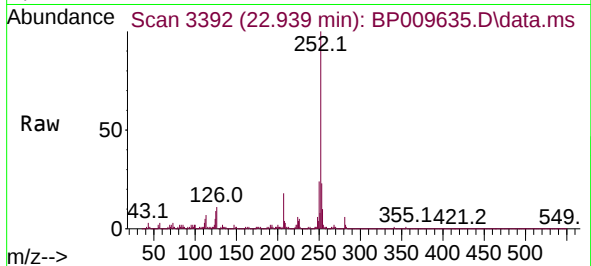




#88
Benzo(b)fluoranthene
Concen: 27.268 ng
RT: 22.939 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

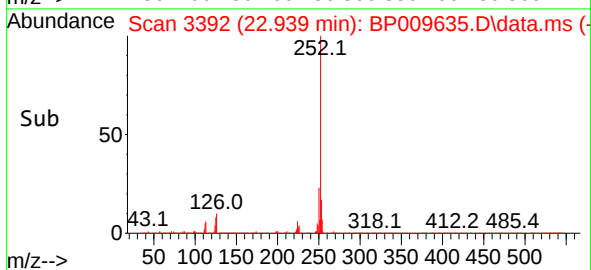
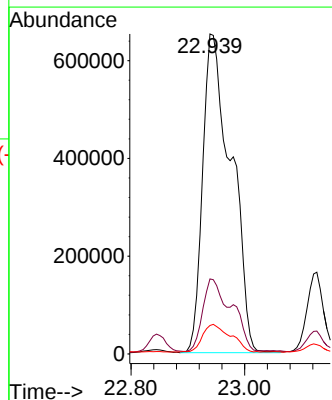
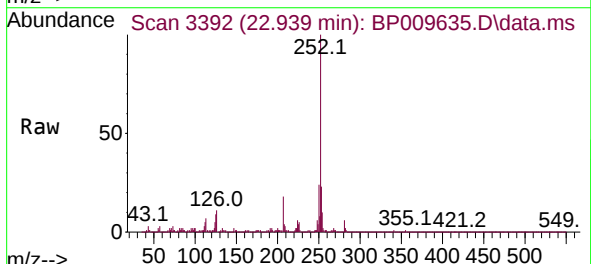
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0DL

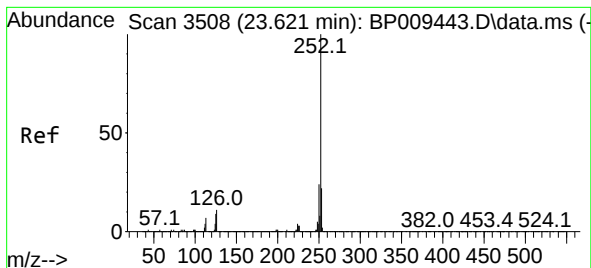
Tgt Ion:252 Resp: 2270187
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 8.9 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 27.850 ng
RT: 22.939 min Scan# 3392
Delta R.T. -0.041 min
Lab File: BP009635.D
Acq: 31 Mar 2022 12:45

Tgt Ion:252 Resp: 2270187
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 8.9 8.3 12.5





#90

Benzo(a)pyrene

Concen: 17.557 ng

RT: 23.557 min Scan# 34

Delta R.T. 0.006 min

Lab File: BP009635.D

Acq: 31 Mar 2022 12:45

Instrument :

BNA_P

ClientSampleId :

SB-04-4.0-5.0DL

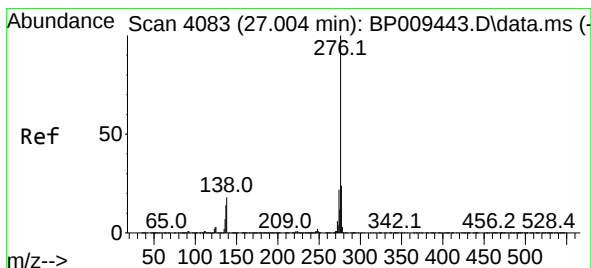
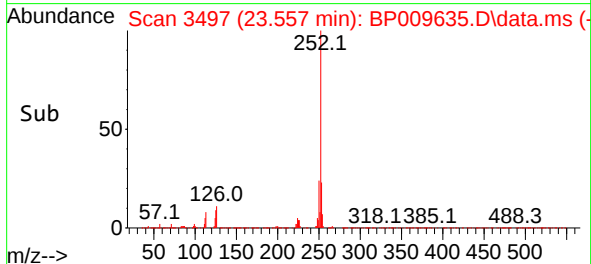
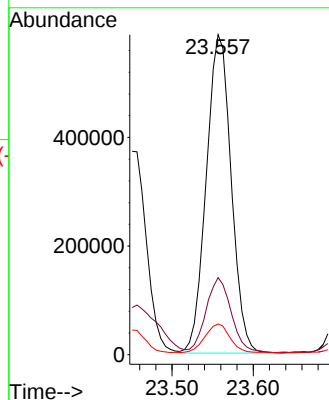
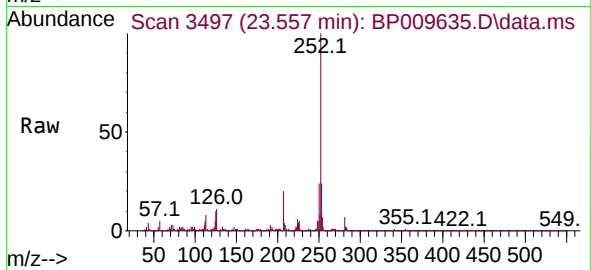
Tgt Ion:252 Resp: 1250566

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

125 9.6 9.3 13.9



#92

Benzo(g,h,i)perylene

Concen: 8.355 ng

RT: 26.909 min Scan# 4067

Delta R.T. 0.012 min

Lab File: BP009635.D

Acq: 31 Mar 2022 12:45

Tgt Ion:276 Resp: 724800

Ion Ratio Lower Upper

276 100

277 25.3 19.2 28.8

138 17.1 18.0 27.0#

