

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032422\
 Data File : BP009543.D
 Acq On : 24 Mar 2022 22:56
 Operator : CG/JU
 Sample : N1977-04DL 50X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Mar 25 03:17:02 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)

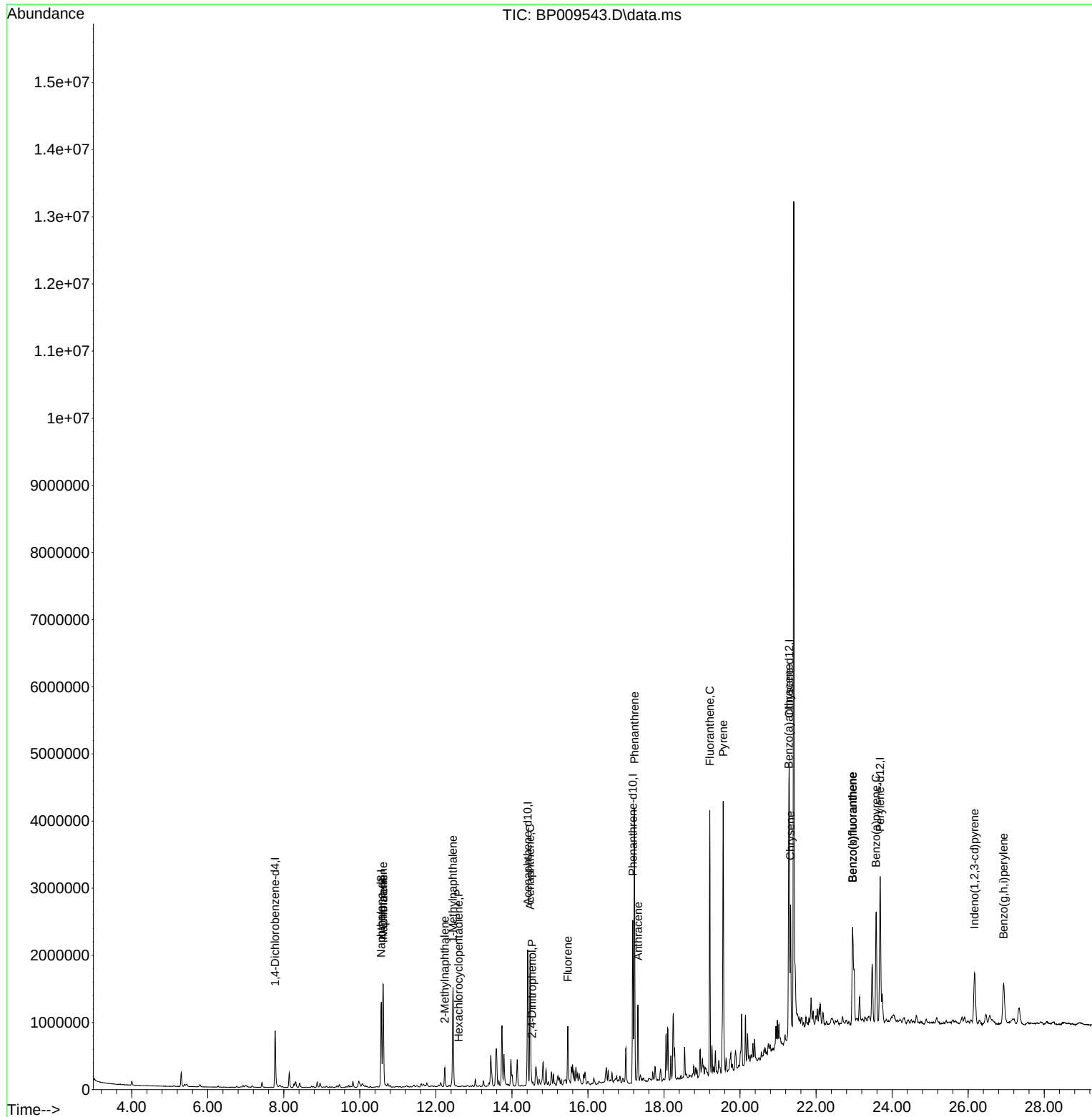
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	282023	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1158262	20.000	ng	-0.02
39) Acenaphthene-d10	14.416	164	743226	20.000	ng	-0.02
64) Phenanthrene-d10	17.180	188	1565778	20.000	ng	-0.02
76) Chrysene-d12	21.292	240	1625300	20.000	ng	-0.02
86) Perylene-d12	23.686	264	1778074	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	31782	1.968	ng	0.00
7) Phenol-d6	6.987	99	34951	1.600	ng	0.00
23) Nitrobenzene-d5	8.951	82	20075	0.921	ng	0.00
42) 2,4,6-Tribromophenol	15.922	330	15978	1.303	ng	-0.01
45) 2-Fluorobiphenyl	13.039	172	64369	1.201	ng	-0.02
79) Terphenyl-d14	19.757	244	113167	1.250	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.934	77	3867	Below Cal	#	1
31) Naphthalene	10.616	128	1475174	24.726	ng	99
33) 4-Chloroaniline	10.610	127	188817	7.756	ng	# 32
37) 2-Methylnaphthalene	12.234	142	147262	3.518	ng	99
38) 1-Methylnaphthalene	12.451	142	797660	19.560	ng	99
41) Hexachlorocyclopentadiene	12.598	237	20	7.290	ng	# 49
52) Acenaphthene	14.481	154	748202	18.587	ng	99
54) 2,4-Dinitrophenol	14.528	184	224	4.561	ng	# 1
58) Fluorene	15.469	166	398907	7.500	ng	99
71) Phenanthrene	17.222	178	2531430	30.202	ng	100
72) Anthracene	17.316	178	756923	9.147	ng	99
75) Fluoranthene	19.204	202	2349406	23.153	ng	98
78) Pyrene	19.557	202	2580836	24.097	ng	100
81) Benzo(a)anthracene	21.280	228	1389805	13.015	ng	96
83) Chrysene	21.327	228	1126319	11.139	ng	98
87) Indeno(1,2,3-cd)pyrene	26.168	276	836233	6.199	ng	# 92
88) Benzo(b)fluoranthene	22.962	252	2009558	18.932	ng	100
89) Benzo(k)fluoranthene	22.962	252	2009558	19.336	ng	99
90) Benzo(a)pyrene	23.580	252	1362873	15.007	ng	98
92) Benzo(g,h,i)perylene	26.933	276	843791	7.629	ng	95

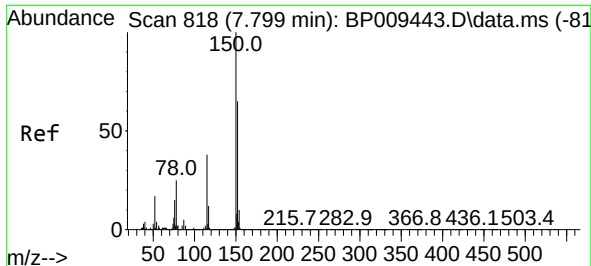
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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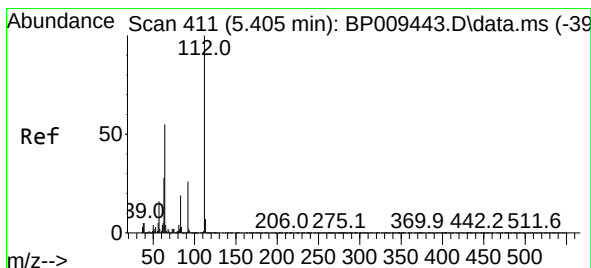
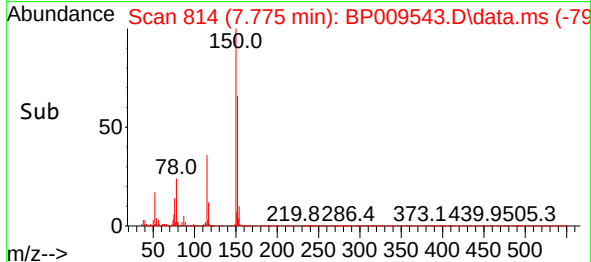
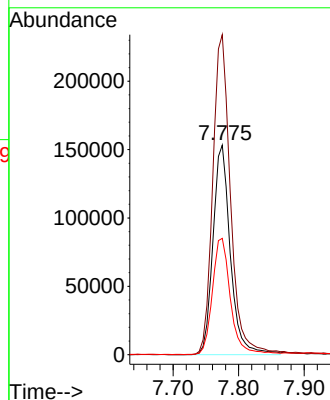
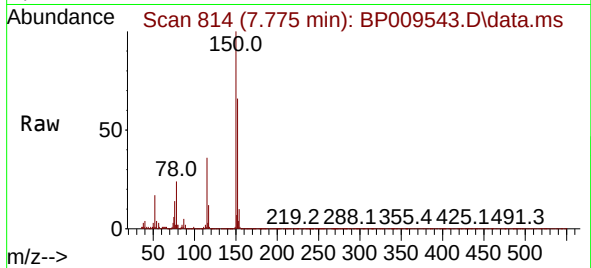




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.775 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BP009543.D
 Acq: 24 Mar 2022 22:56

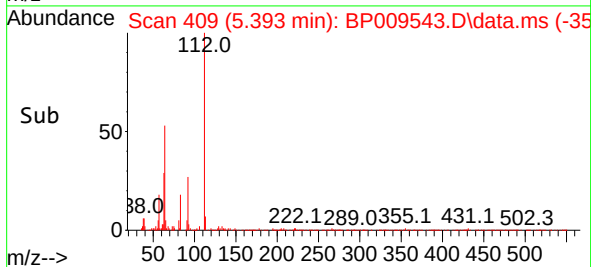
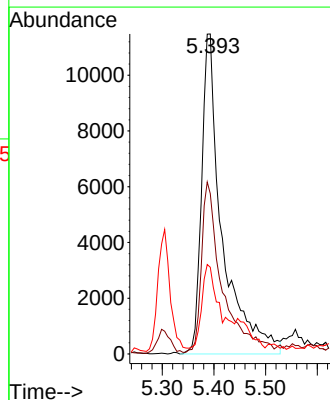
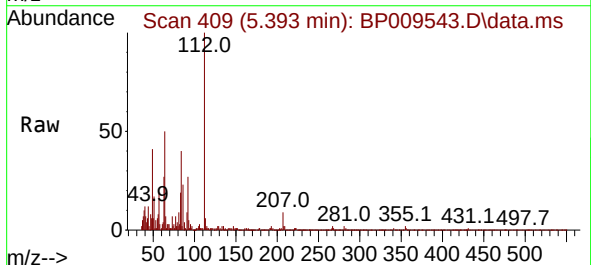
Instrument :
 BNA_P
 ClientSampleId :
 SB-12-20220315-16.0-17.0-ADL

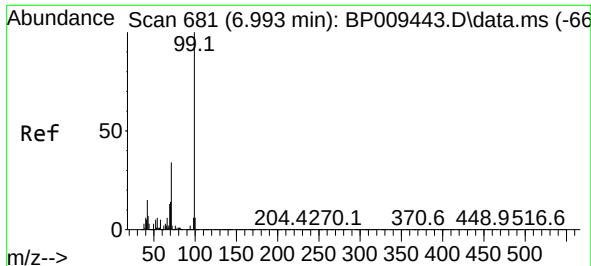
Tgt Ion:152 Resp: 282023
 Ion Ratio Lower Upper
 152 100
 150 152.6 124.5 186.7
 115 55.5 48.2 72.4



#5
 2-Fluorophenol
 Concen: 1.968 ng
 RT: 5.393 min Scan# 409
 Delta R.T. 0.000 min
 Lab File: BP009543.D
 Acq: 24 Mar 2022 22:56

Tgt Ion:112 Resp: 31782
 Ion Ratio Lower Upper
 112 100
 64 50.1 45.0 67.4
 63 27.1 23.0 34.6

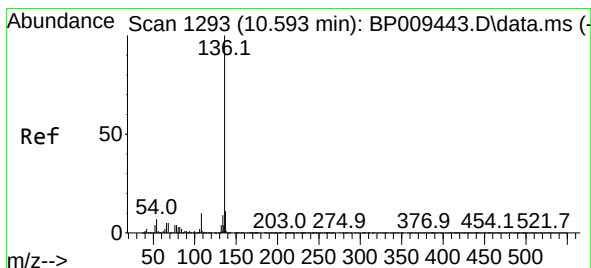
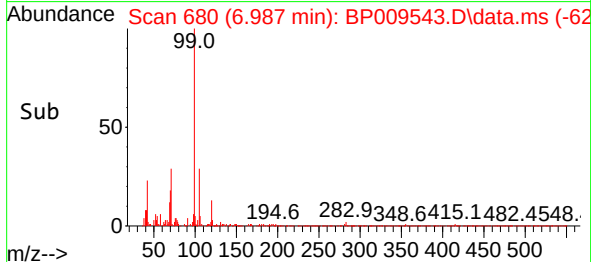
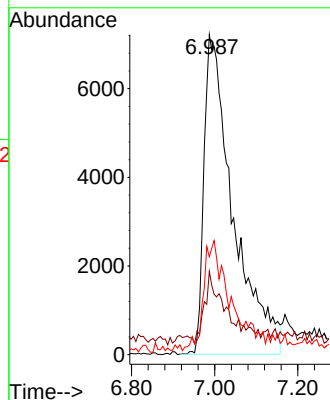
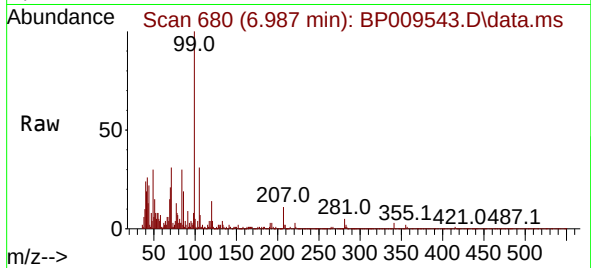




#7
Phenol-d6
Concen: 1.600 ng
RT: 6.987 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

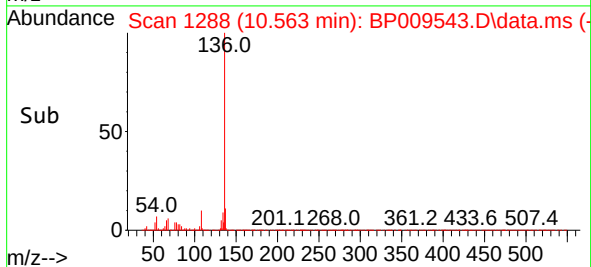
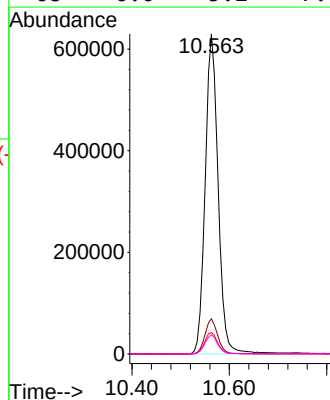
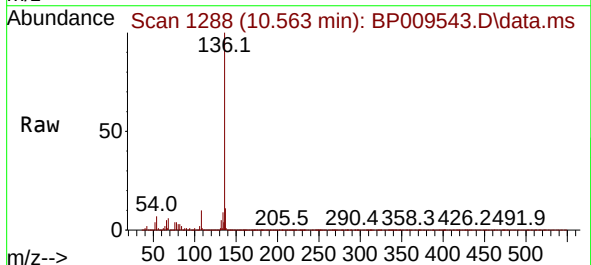
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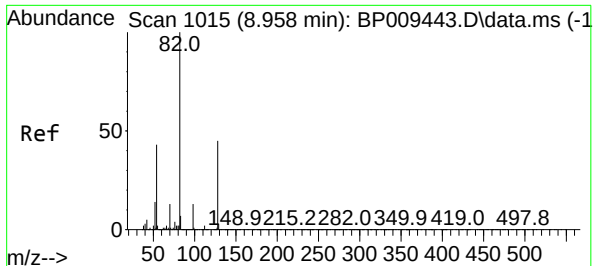
Tgt Ion: 99 Resp: 34951
Ion Ratio Lower Upper
99 100
42 26.0 12.8 19.2#
71 30.6 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.018 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

Tgt Ion: 136 Resp: 1158262
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 6.7 5.8 8.8
68 6.0 5.2 7.8

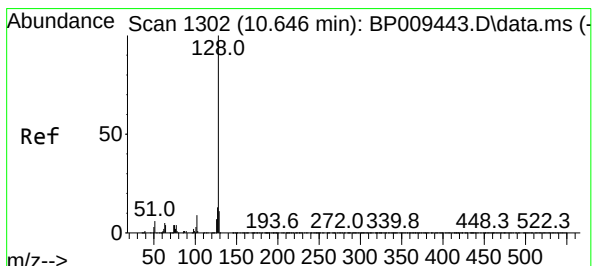
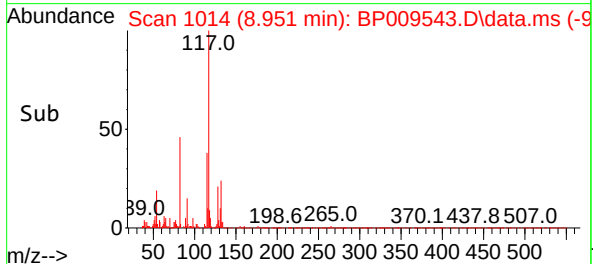
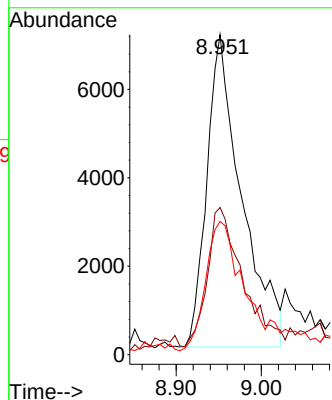
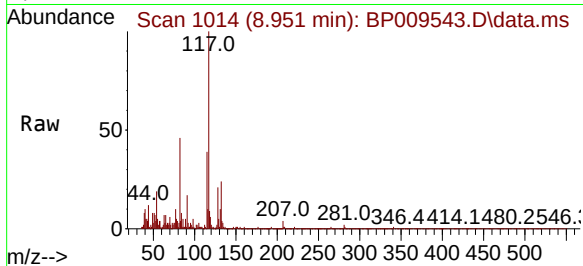




#23
Nitrobenzene-d5
Concen: 0.921 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

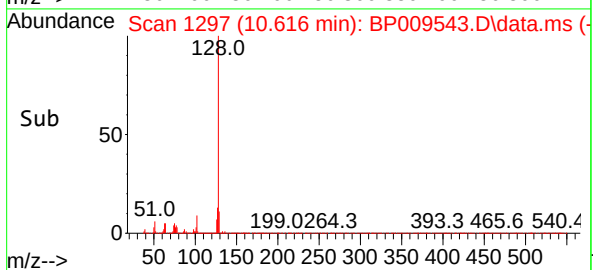
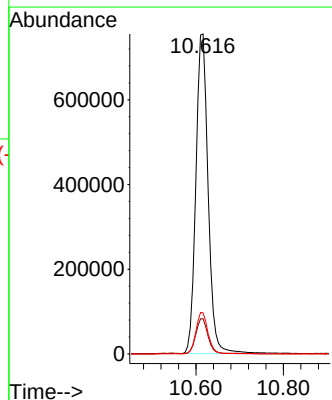
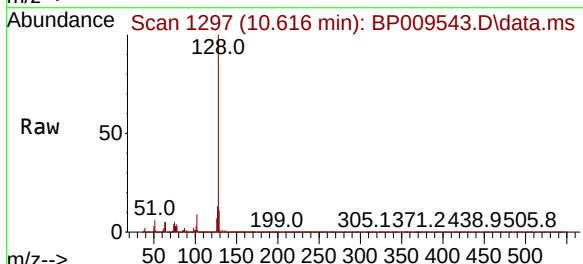
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0-ADL

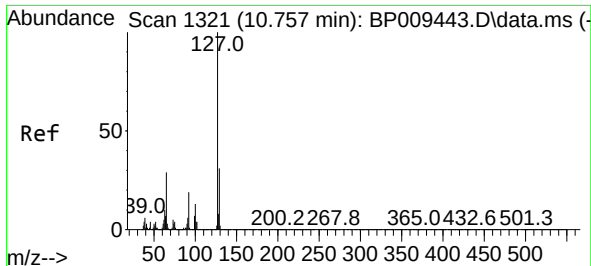
Tgt Ion: 82 Resp: 20075
Ion Ratio Lower Upper
82 100
128 46.0 34.2 51.4
54 41.7 34.7 52.1



#31
Naphthalene
Concen: 24.726 ng
RT: 10.616 min Scan# 1297
Delta R.T. -0.018 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

Tgt Ion: 128 Resp: 1475174
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.8 10.5 15.7

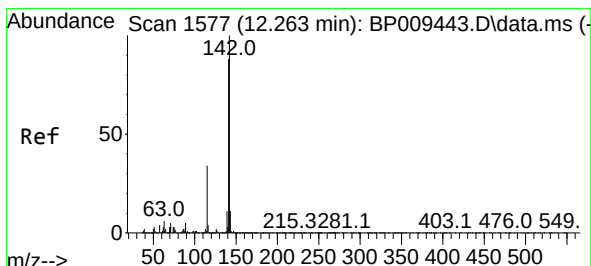
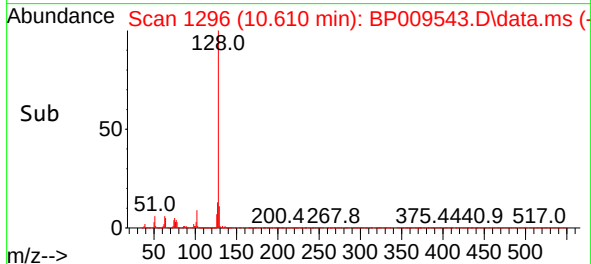
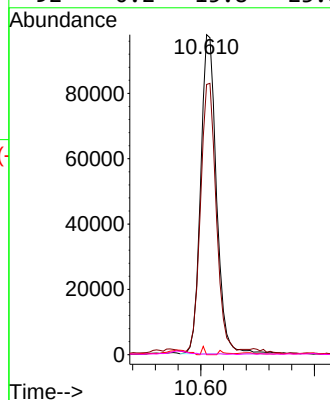
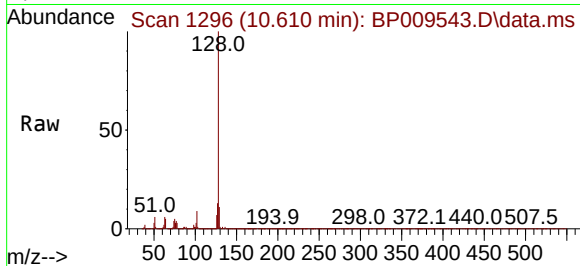




#33
4-Chloroaniline
Concen: 7.756 ng
RT: 10.610 min Scan# 1296
Delta R.T. -0.135 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

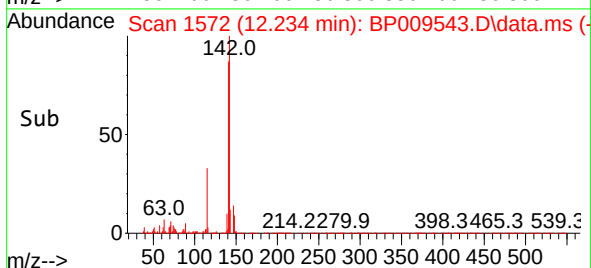
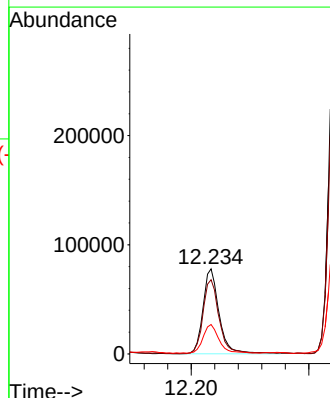
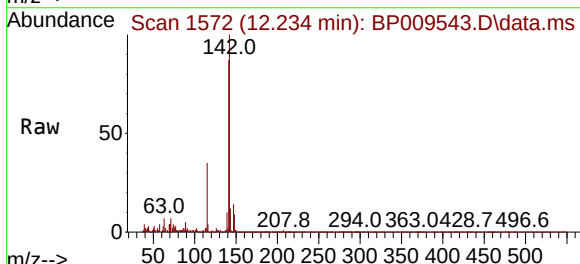
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0-ADL

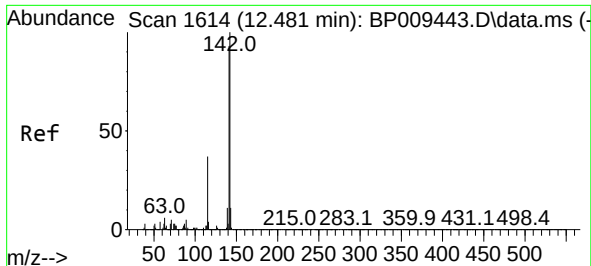
Tgt Ion:	127	Resp:	188817
Ion	Ratio	Lower	Upper
127	100		
129	84.5	25.5	38.3#
65	0.0	24.3	36.5#
92	0.2	15.8	23.8#



#37
2-Methylnaphthalene
Concen: 3.518 ng
RT: 12.234 min Scan# 1572
Delta R.T. -0.018 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

Tgt Ion:	142	Resp:	147262
Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.2	105.4
115	34.6	27.4	41.2

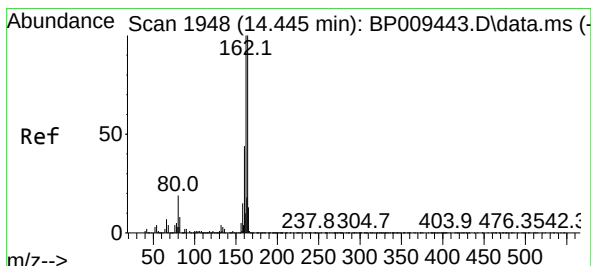
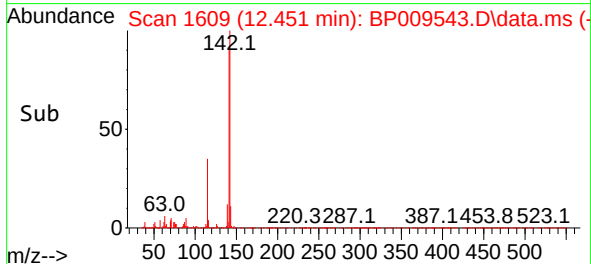
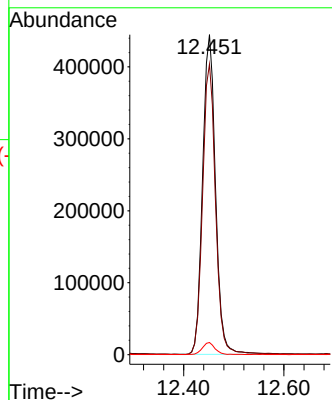
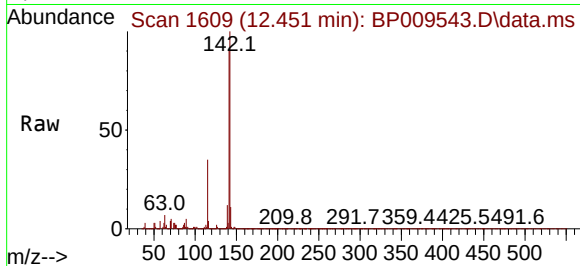




#38
1-Methylnaphthalene
Concen: 19.560 ng
RT: 12.451 min Scan# 1609
Delta R.T. -0.018 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

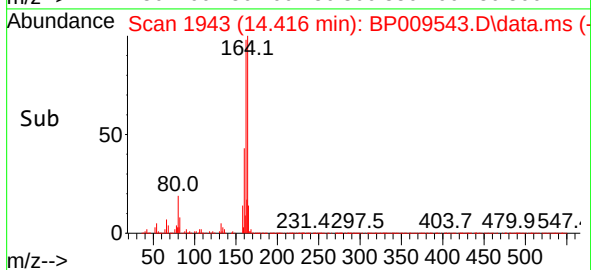
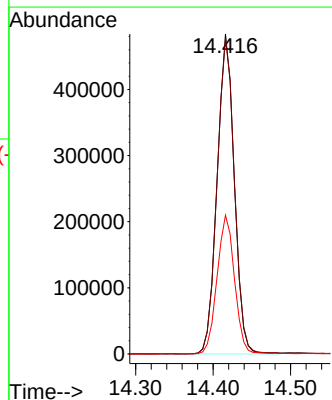
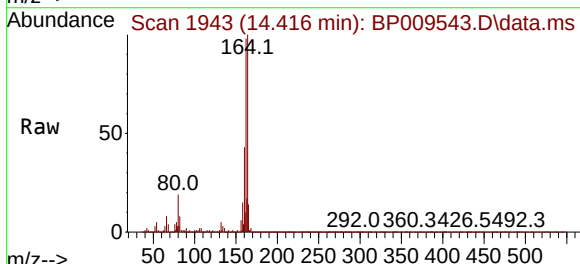
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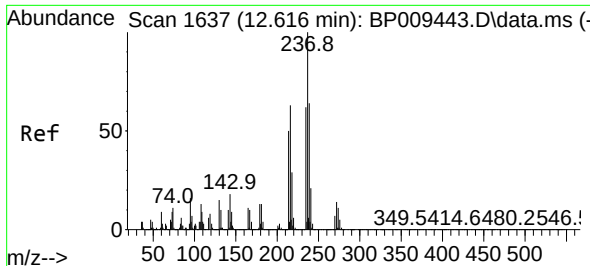
Tgt Ion:142 Resp: 797660
Ion Ratio Lower Upper
142 100
141 90.8 73.5 110.3
116 3.8 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.018 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

Tgt Ion:164 Resp: 743226
Ion Ratio Lower Upper
164 100
162 98.5 79.1 118.7
160 43.3 34.9 52.3

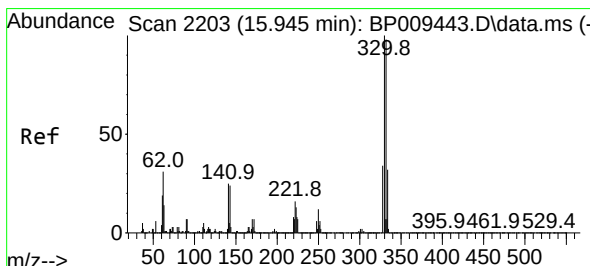
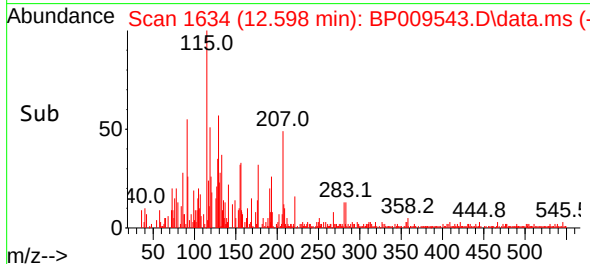
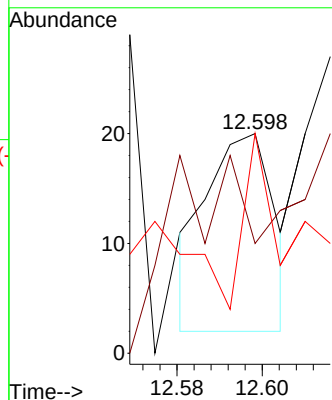
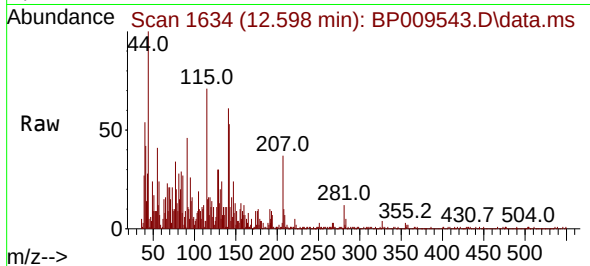




#41
Hexachlorocyclopentadiene
Concen: 7.290 ng
RT: 12.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

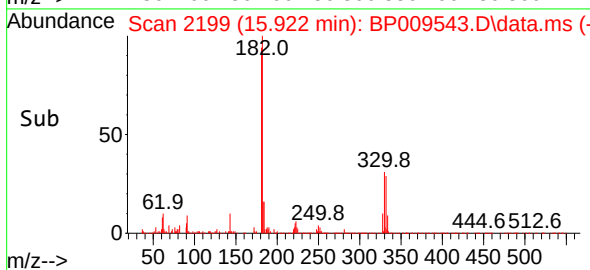
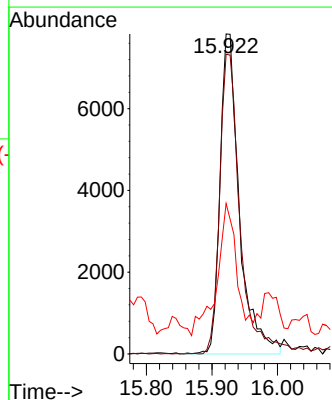
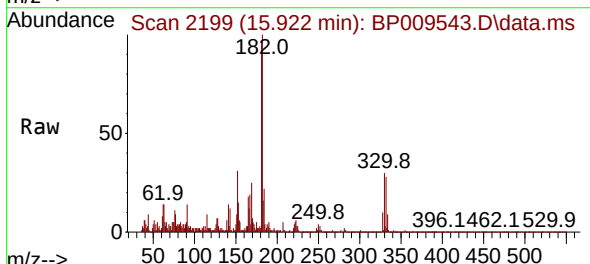
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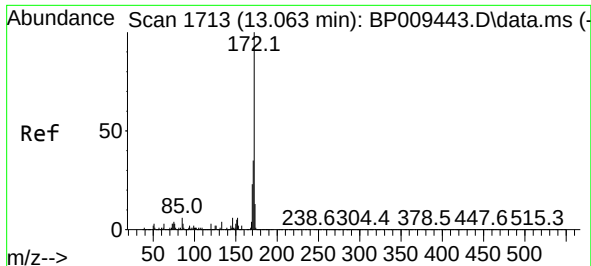
Tgt Ion:	237	Resp:	20
Ion	Ratio	Lower	Upper
237	100		
235	50.0	42.6	82.6
272	100.0	0.0	32.8#



#42
2,4,6-Tribromophenol
Concen: 1.303 ng
RT: 15.922 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

Tgt Ion:	330	Resp:	15978
Ion	Ratio	Lower	Upper
330	100		
332	99.6	77.0	115.6
141	42.4	27.6	41.4#

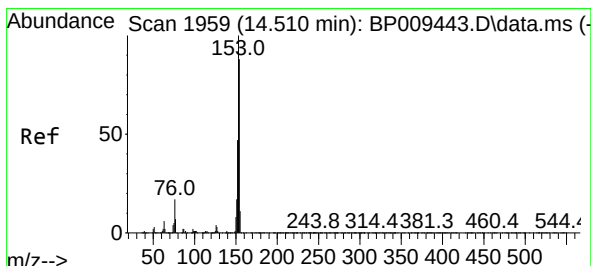
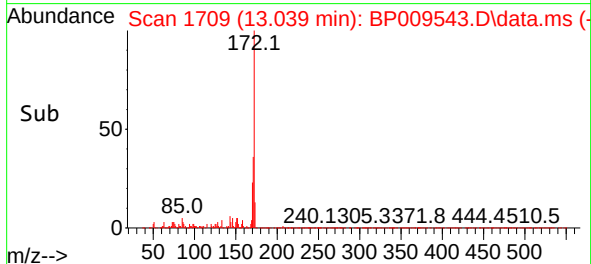
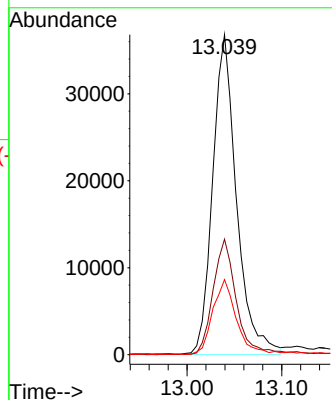
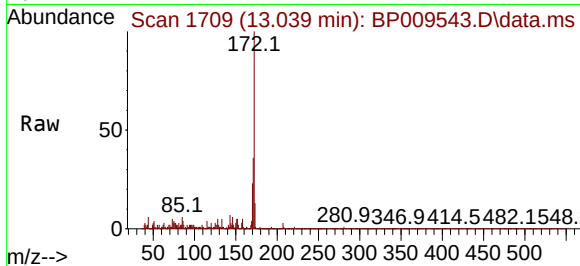




#45
2-Fluorobiphenyl
Concen: 1.201 ng
RT: 13.039 min Scan# 1713
Delta R.T. -0.018 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

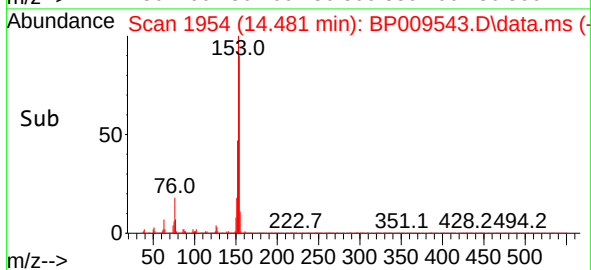
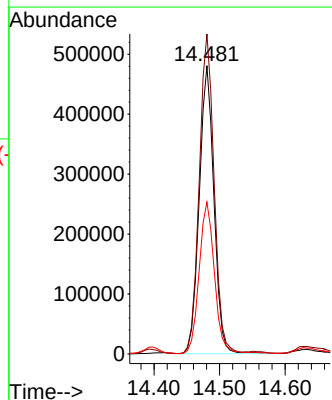
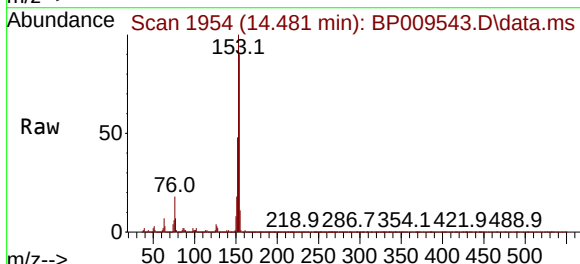
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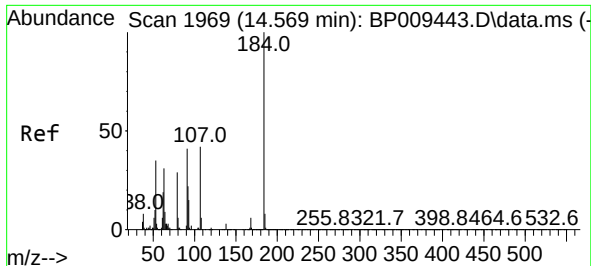
Tgt Ion:	172	Resp:	64369
Ion Ratio	Lower	Upper	
172	100		
171	36.1	28.0	42.0
170	23.4	18.6	27.8



#52
Acenaphthene
Concen: 18.587 ng
RT: 14.481 min Scan# 1954
Delta R.T. -0.018 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

Tgt Ion:	154	Resp:	748202
Ion Ratio	Lower	Upper	
154	100		
153	111.0	90.2	135.4
152	52.7	42.7	64.1

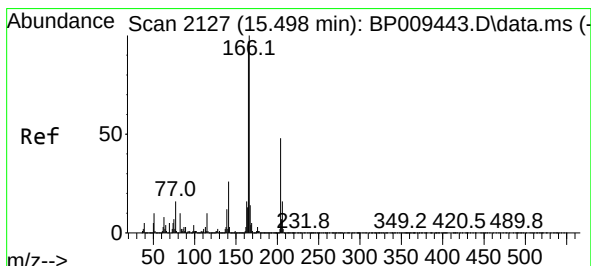
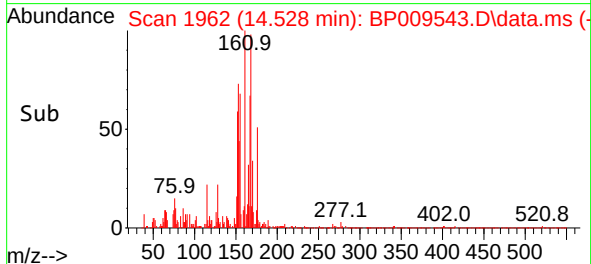
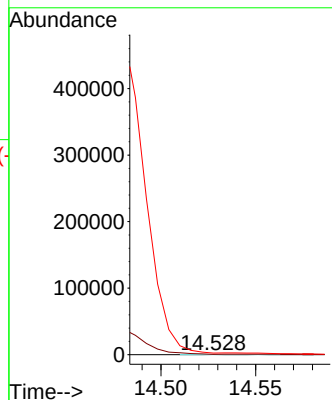
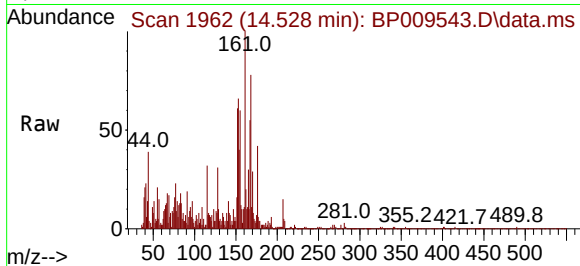




#54
2,4-Dinitrophenol
Concen: 4.561 ng
RT: 14.528 min Scan# 1962
Delta R.T. -0.035 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

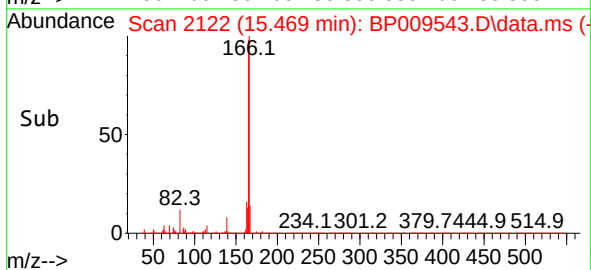
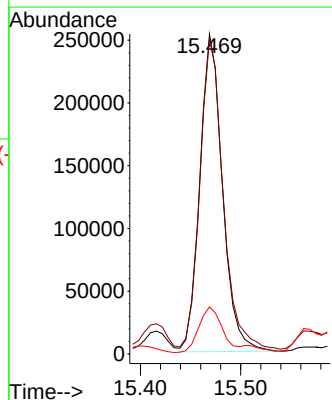
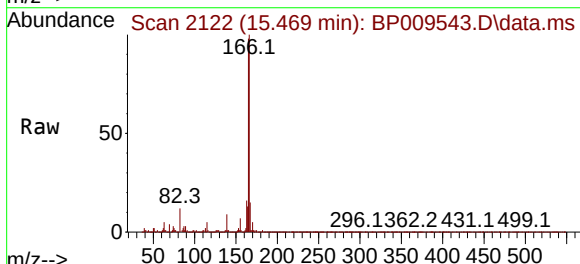
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0-ADL

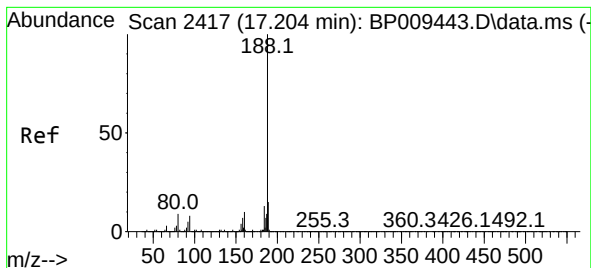
Tgt Ion:184 Resp: 224
Ion Ratio Lower Upper
184 100
63 366.4 46.3 69.5#
154 1627.4 45.8 68.6#



#58
Fluorene
Concen: 7.500 ng
RT: 15.469 min Scan# 2122
Delta R.T. -0.018 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

Tgt Ion:166 Resp: 398907
Ion Ratio Lower Upper
166 100
165 98.4 79.2 118.8
167 14.7 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: BP009543.D

Acq: 24 Mar 2022 22:56

Instrument :

BNA_P

ClientSampleId :

SB-12-20220315-16.0-17.0-ADL

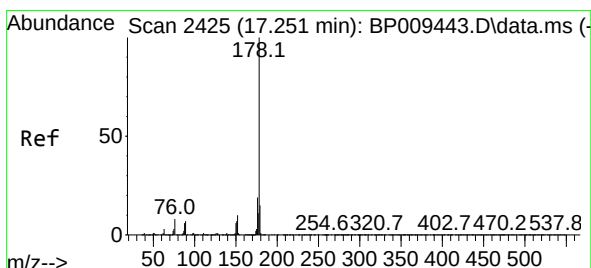
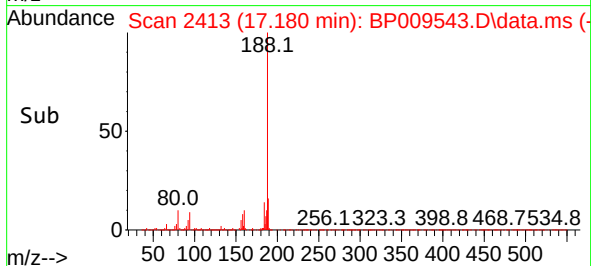
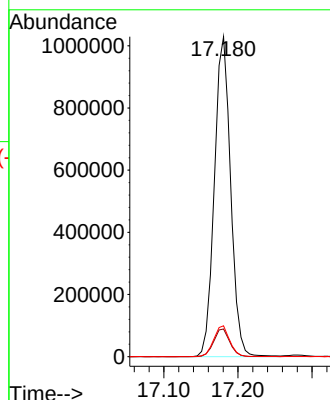
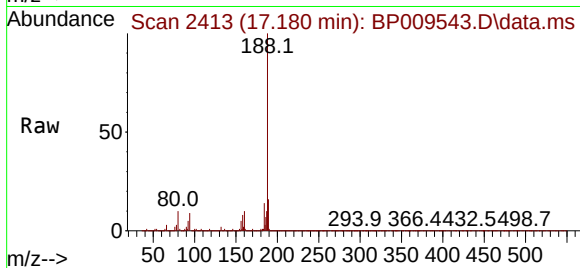
Tgt Ion:188 Resp: 1565778

Ion Ratio Lower Upper

188 100

94 8.7 7.9 11.9

80 9.6 8.8 13.2



#71

Phenanthrene

Concen: 30.202 ng

RT: 17.222 min Scan# 2420

Delta R.T. -0.018 min

Lab File: BP009543.D

Acq: 24 Mar 2022 22:56

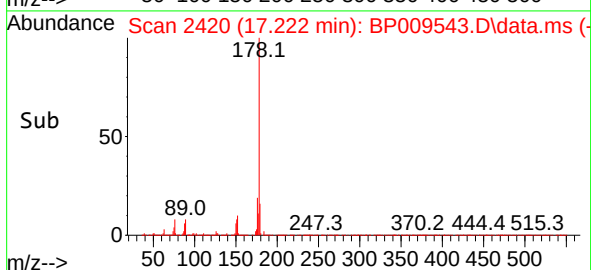
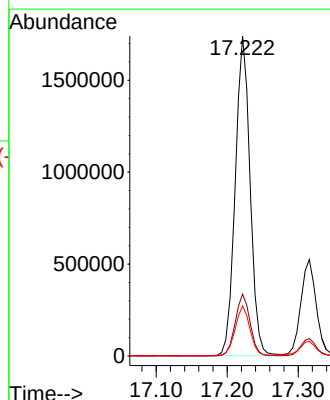
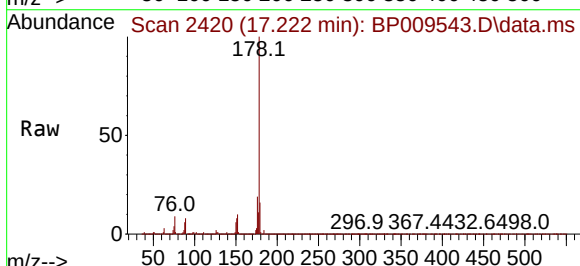
Tgt Ion:178 Resp: 2531430

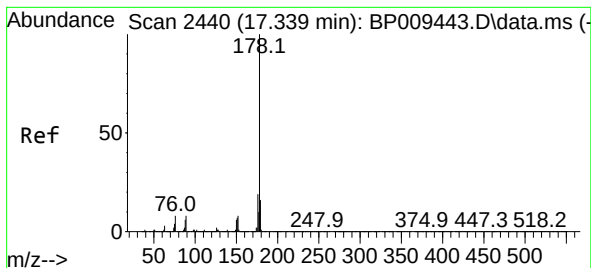
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.6 12.3 18.5





#72

Anthracene

Concen: 9.147 ng

RT: 17.316 min Scan# 24

Delta R.T. -0.018 min

Lab File: BP009543.D

Acq: 24 Mar 2022 22:56

Instrument :

BNA_P

ClientSampleId :

SB-12-20220315-16.0-17.0-ADL

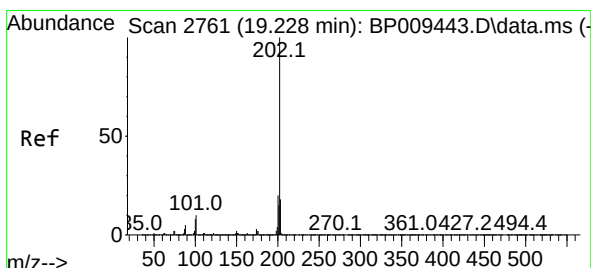
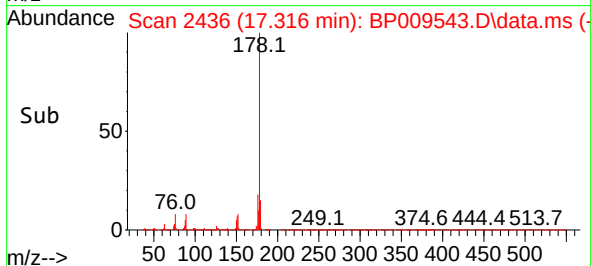
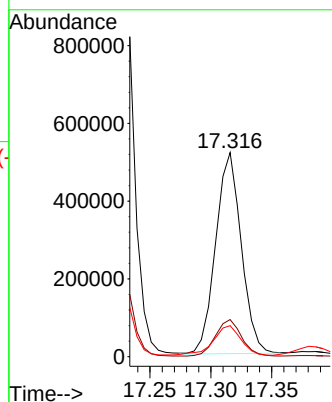
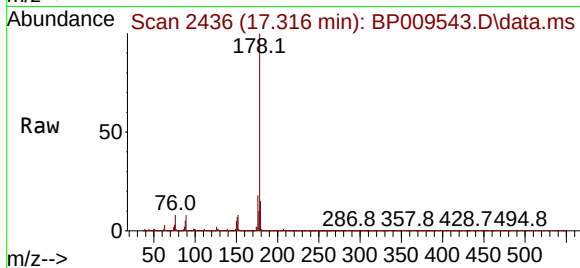
Tgt Ion:178 Resp: 756923

Ion Ratio Lower Upper

178 100

176 18.2 14.8 22.2

179 15.2 12.2 18.4



#75

Fluoranthene

Concen: 23.153 ng

RT: 19.204 min Scan# 2757

Delta R.T. -0.018 min

Lab File: BP009543.D

Acq: 24 Mar 2022 22:56

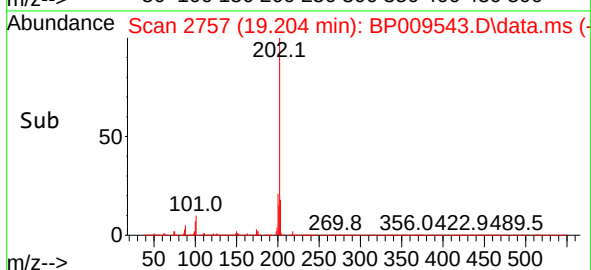
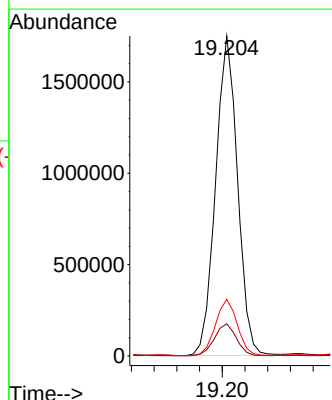
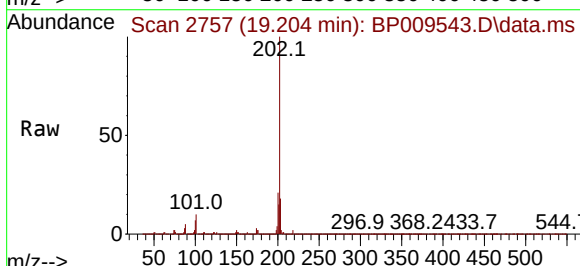
Tgt Ion:202 Resp: 2349406

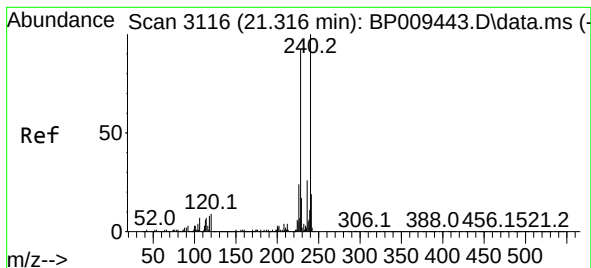
Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.5

203 17.7 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: BP009543.D

Acq: 24 Mar 2022 22:56

Instrument :

BNA_P

ClientSampleId :

SB-12-20220315-16.0-17.0-ADL

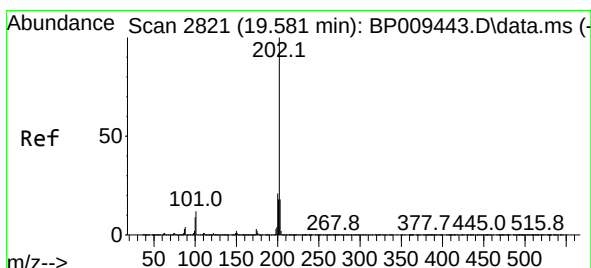
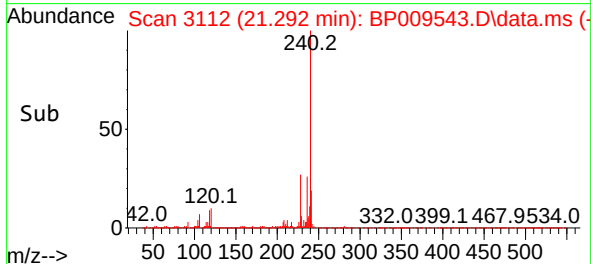
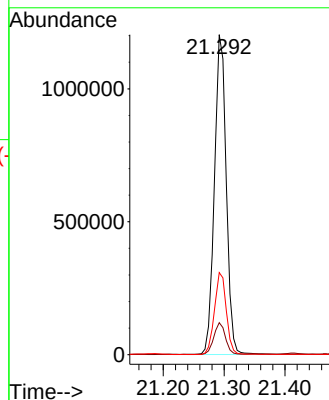
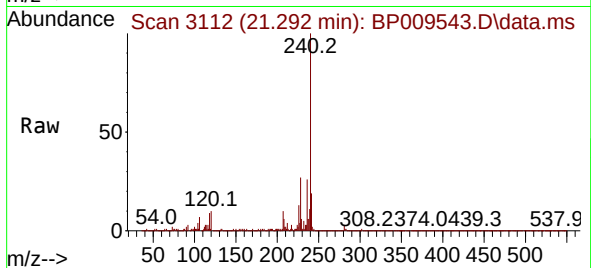
Tgt Ion:240 Resp: 1625300

Ion Ratio Lower Upper

240 100

120 10.0 9.0 13.4

236 25.6 20.6 30.8



#78

Pyrene

Concen: 24.097 ng

RT: 19.557 min Scan# 2817

Delta R.T. -0.018 min

Lab File: BP009543.D

Acq: 24 Mar 2022 22:56

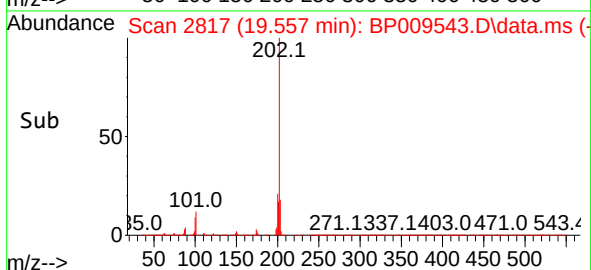
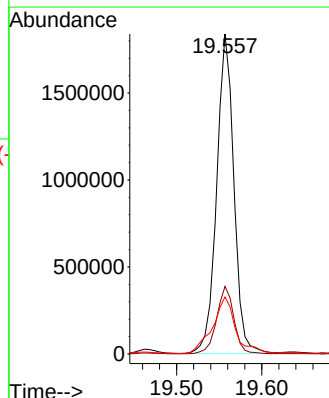
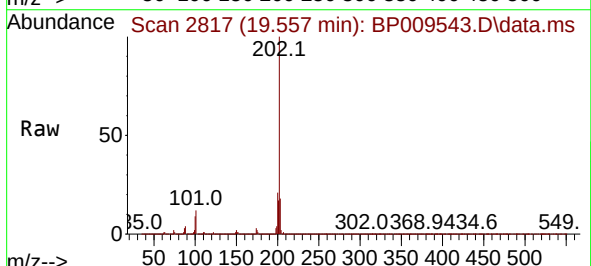
Tgt Ion:202 Resp: 2580836

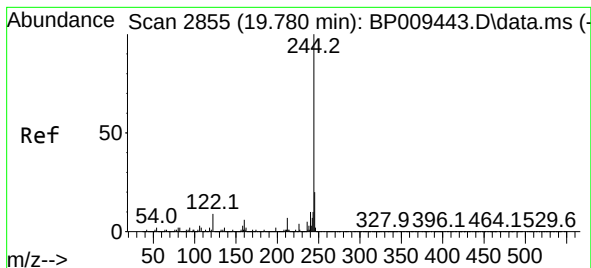
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 1.250 ng

RT: 19.757 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP009543.D

Acq: 24 Mar 2022 22:56

Instrument :

BNA_P

ClientSampleId :

SB-12-20220315-16.0-17.0-ADL

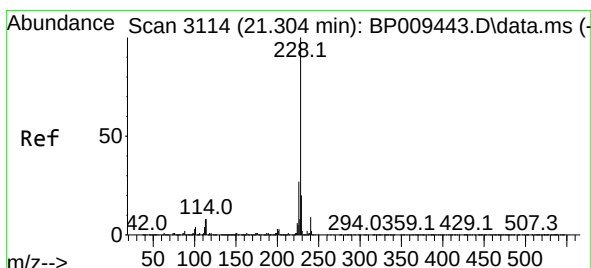
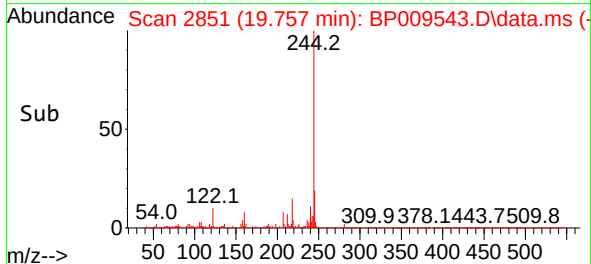
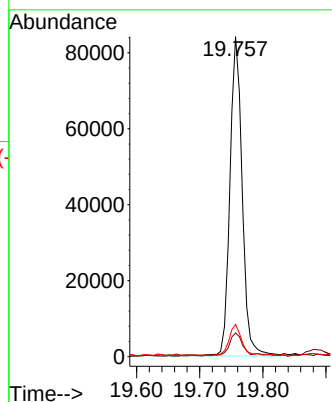
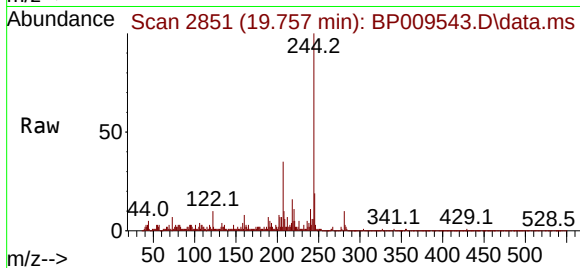
Tgt Ion:244 Resp: 113167

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 10.1 8.3 12.5



#81

Benzo(a)anthracene

Concen: 13.015 ng

RT: 21.280 min Scan# 3110

Delta R.T. -0.018 min

Lab File: BP009543.D

Acq: 24 Mar 2022 22:56

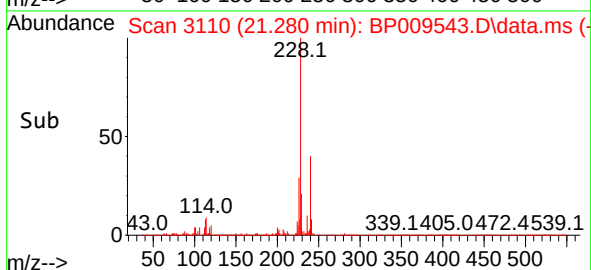
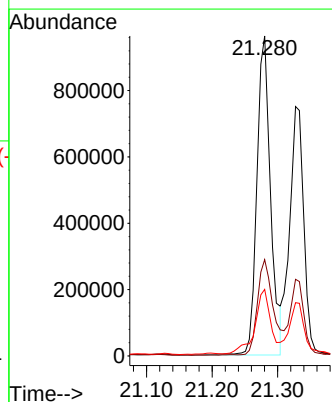
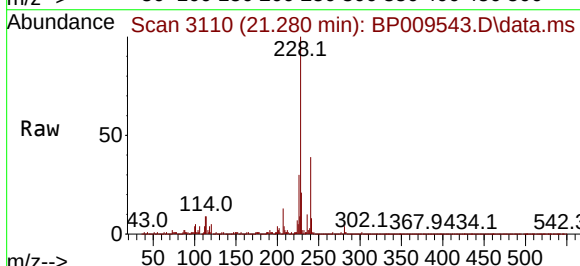
Tgt Ion:228 Resp: 1389805

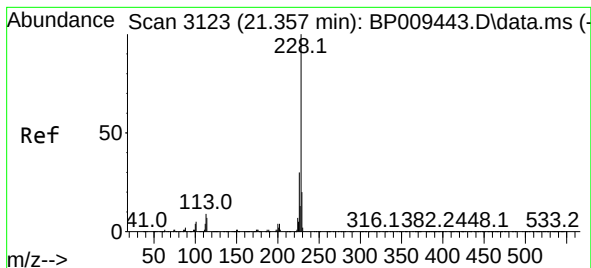
Ion Ratio Lower Upper

228 100

226 30.1 22.0 33.0

229 20.8 16.1 24.1





#83

Chrysene

Concen: 11.139 ng

RT: 21.327 min Scan# 3118

Delta R.T. -0.023 min

Lab File: BP009543.D

Acq: 24 Mar 2022 22:56

Instrument :

BNA_P

ClientSampleId :

SB-12-20220315-16.0-17.0-ADL

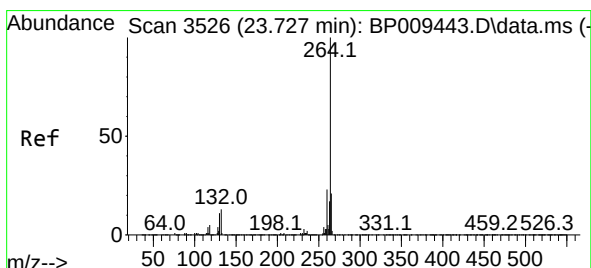
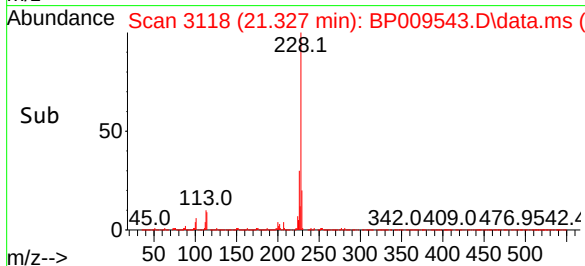
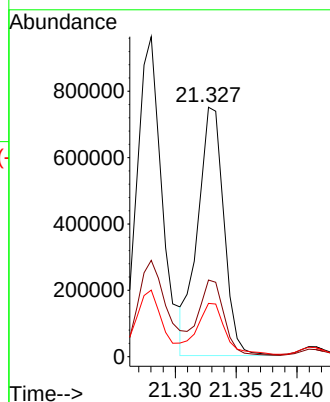
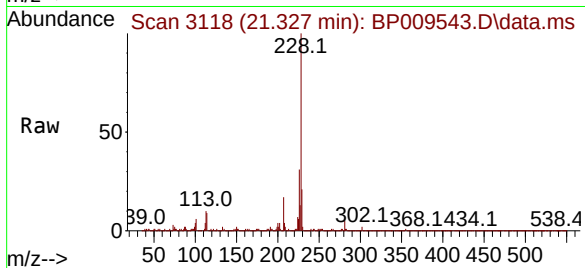
Tgt Ion:228 Resp: 1126319

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

229 21.4 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: BP009543.D

Acq: 24 Mar 2022 22:56

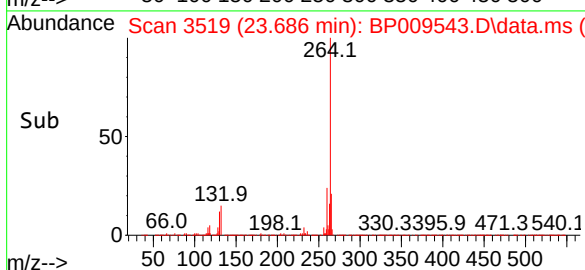
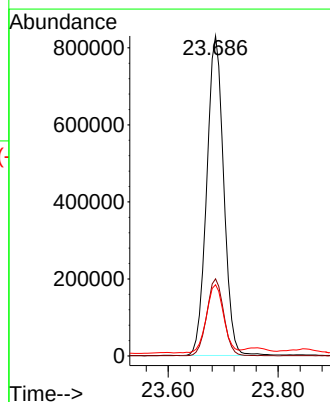
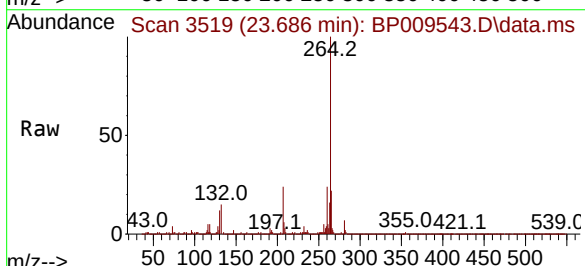
Tgt Ion:264 Resp: 1778074

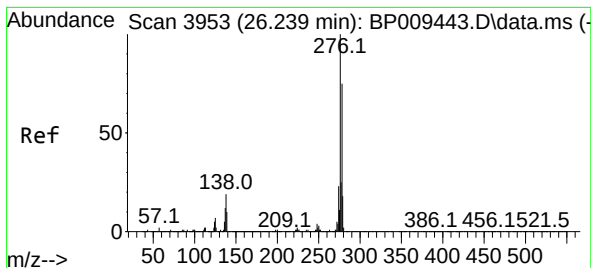
Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.0

265 22.3 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.199 ng

RT: 26.168 min Scan# 3394

Delta R.T. -0.059 min

Lab File: BP009543.D

Acq: 24 Mar 2022 22:56

Instrument :

BNA_P

ClientSampleId :

SB-12-20220315-16.0-17.0-ADL

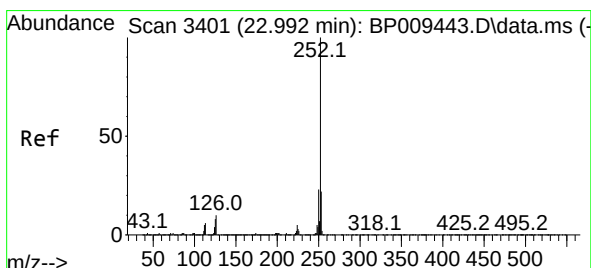
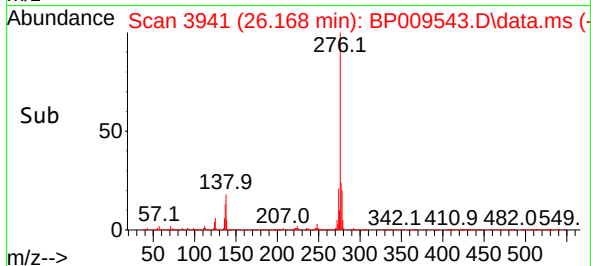
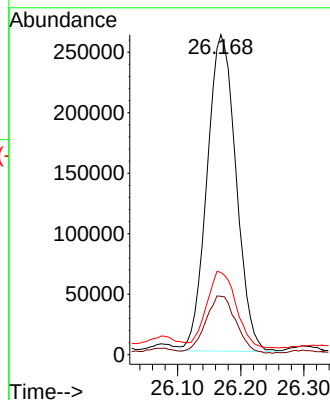
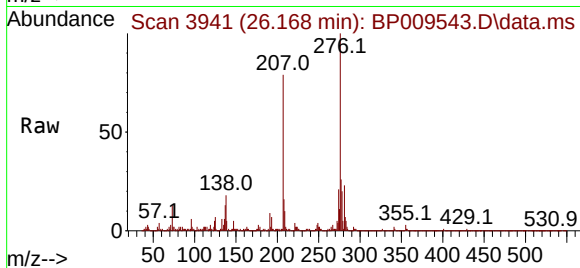
Tgt Ion:276 Resp: 836233

Ion Ratio Lower Upper

276 100

138 18.9 20.5 30.7#

277 24.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 18.932 ng

RT: 22.962 min Scan# 3396

Delta R.T. -0.023 min

Lab File: BP009543.D

Acq: 24 Mar 2022 22:56

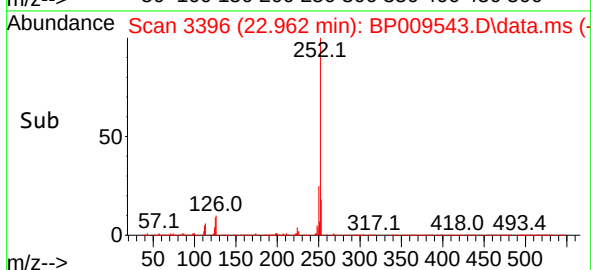
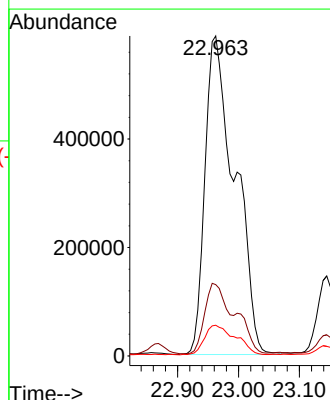
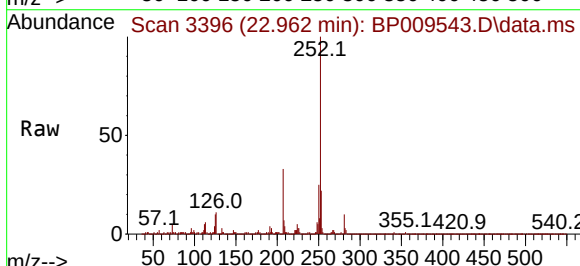
Tgt Ion:252 Resp: 2009558

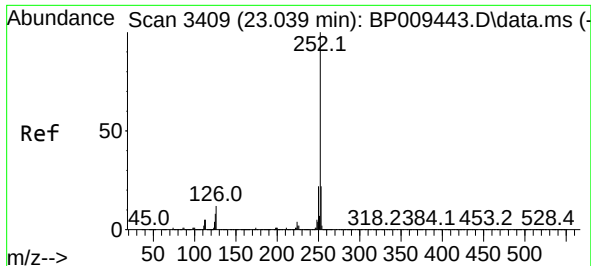
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 9.6 8.1 12.1

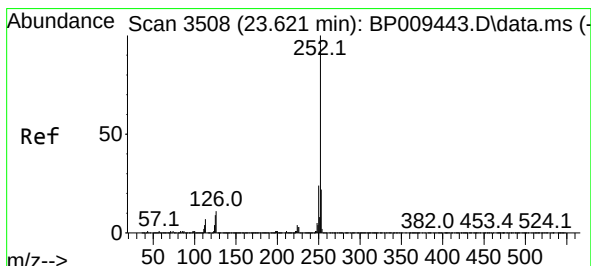
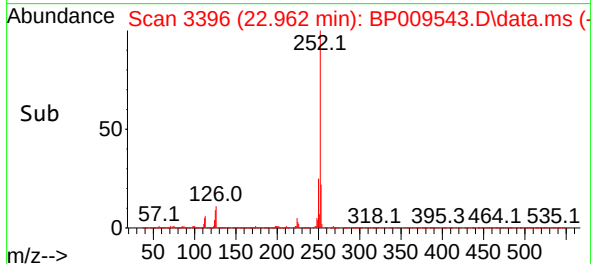
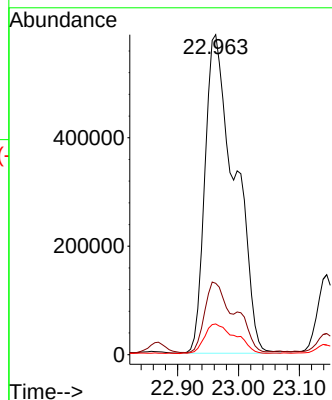
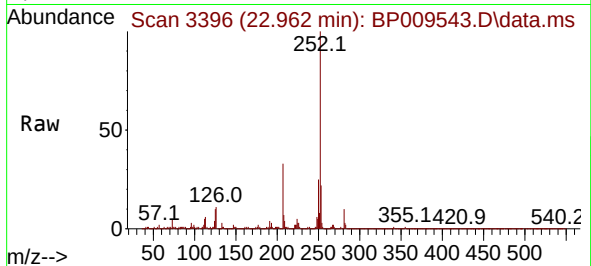




#89
Benzo(k)fluoranthene
Concen: 19.336 ng
RT: 22.962 min Scan# 31
Delta R.T. -0.076 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

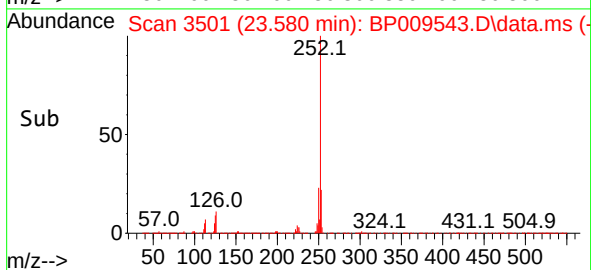
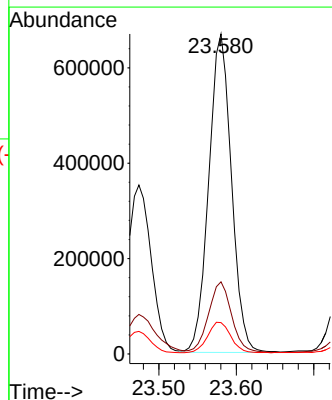
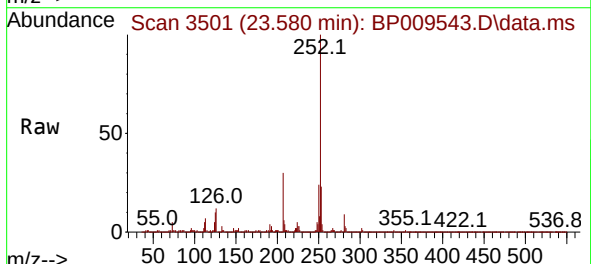
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0-ADL

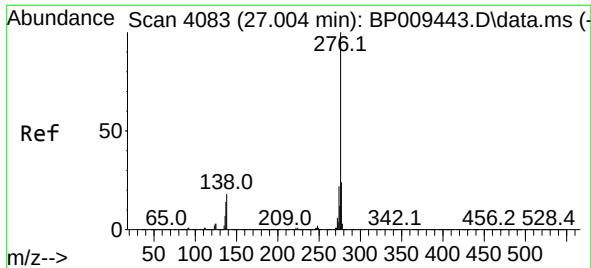
Tgt Ion:252 Resp: 2009558
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 9.6 8.3 12.5



#90
Benzo(a)pyrene
Concen: 15.007 ng
RT: 23.580 min Scan# 3501
Delta R.T. -0.029 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

Tgt Ion:252 Resp: 1362873
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 9.8 9.3 13.9





#92
 Benzo(g,h,i)perylene
 Concen: 7.629 ng
 RT: 26.933 min Scan# 40
 Delta R.T. -0.053 min
 Lab File: BP009543.D
 Acq: 24 Mar 2022 22:56

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

Tgt Ion:	276	Resp:	843791
Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.2	28.8
138	18.8	18.0	27.0

