

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
 Data File : BP009356.D
 Acq On : 10 Mar 2022 21:45
 Operator : CG/JU
 Sample : N1843-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FS-1

Quant Time: Mar 11 05:04:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

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

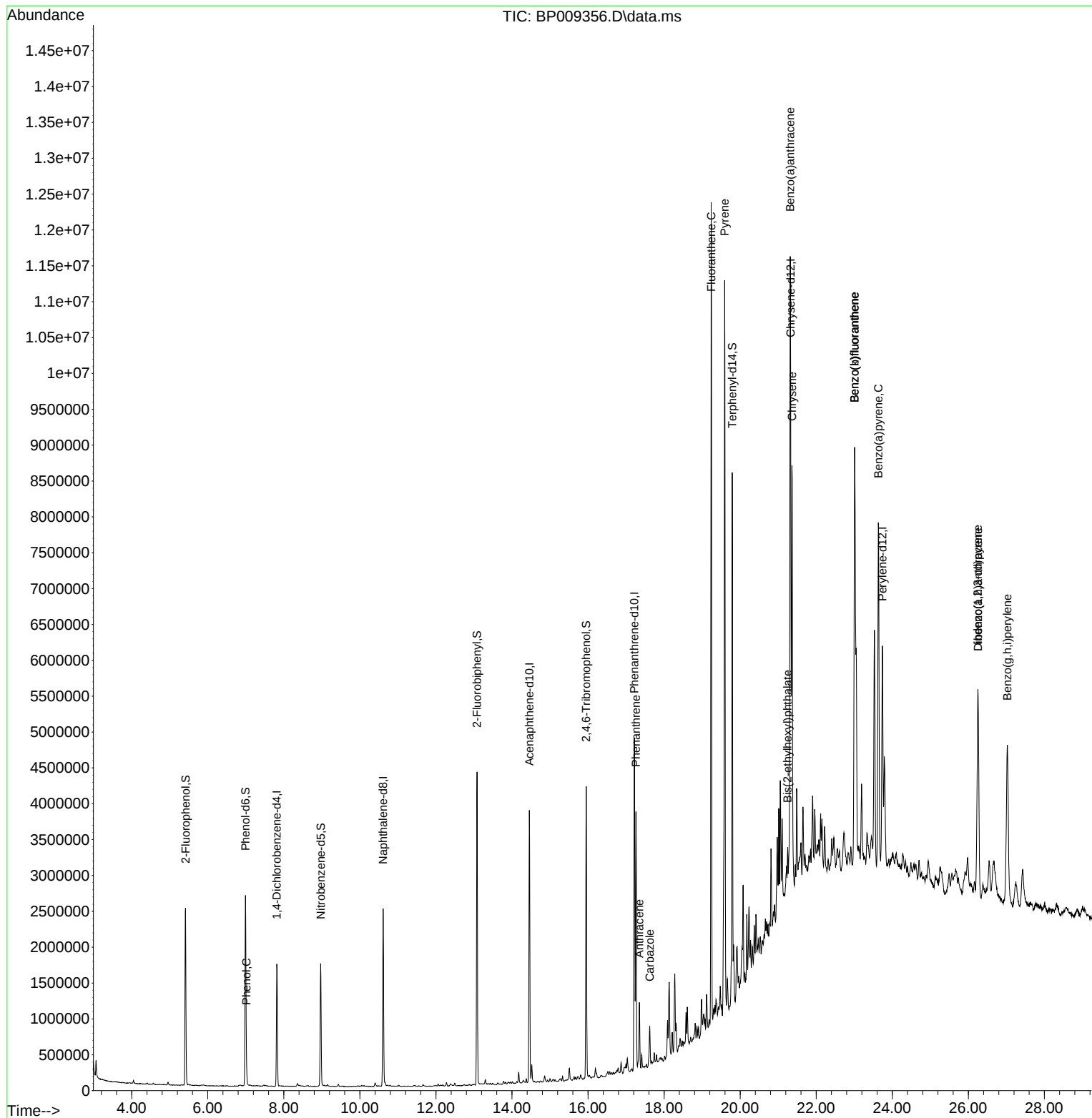
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	516982	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	2212521	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	1452351	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	3110067	20.000	ng	0.00
76) Chrysene-d12	21.327	240	2303441	20.000	ng	0.00
86) Perylene-d12	23.739	264	2318790	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1267131	35.777	ng	0.00
7) Phenol-d6	6.993	99	1693490	37.626	ng	0.00
23) Nitrobenzene-d5	8.969	82	1080136	26.889	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	913849	52.109	ng	0.00
45) 2-Fluorobiphenyl	13.081	172	2494283	23.618	ng	0.00
79) Terphenyl-d14	19.792	244	3693867	30.263	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.016	94	110311	2.367	ng	87
71) Phenanthrene	17.263	178	2395066	13.400	ng	100
72) Anthracene	17.351	178	619564	3.483	ng	99
73) Carbazole	17.622	167	396060	2.443	ng	100
75) Fluoranthene	19.239	202	7081253	34.324	ng	99
78) Pyrene	19.592	202	6640807	42.700	ng	99
81) Benzo(a)anthracene	21.316	228	3854821	24.690	ng	98
83) Chrysene	21.363	228	3728396	24.596	ng	98
84) Bis(2-ethylhexyl)phtha...	21.251	149	223885	2.494	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.251	276	3105802	17.239	ng	# 92
88) Benzo(b)fluoranthene	23.010	252	7613851	48.632	ng	99
89) Benzo(k)fluoranthene	23.010	252	7616725	50.924	ng	98
90) Benzo(a)pyrene	23.633	252	4133830	27.839	ng	97
91) Dibenzo(a,h)anthracene	26.256	278	790246	5.173	ng	# 79
92) Benzo(g,h,i)perylene	27.027	276	3143509	20.829	ng	96

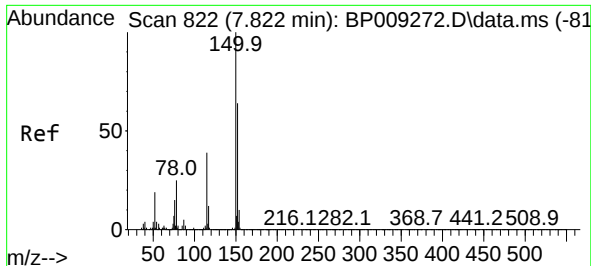
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 05 01:55:59 2022
Response via : Initial Calibration

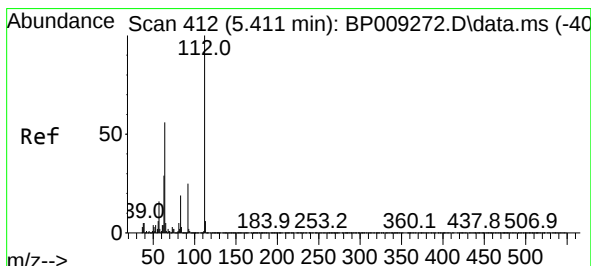
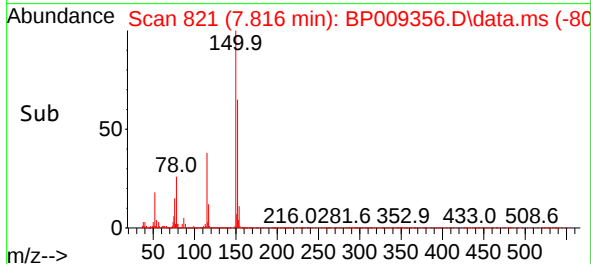
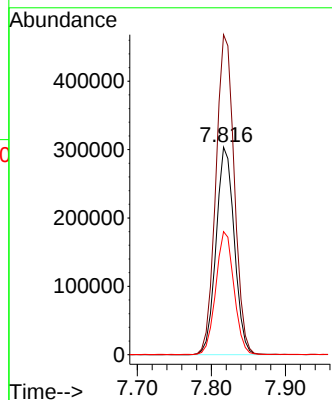
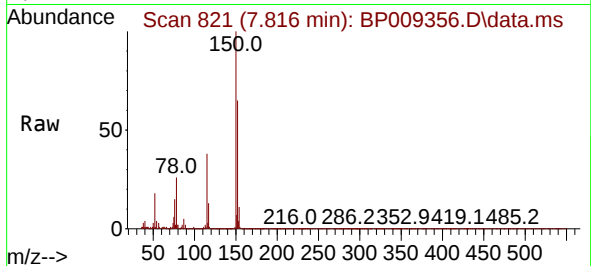




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

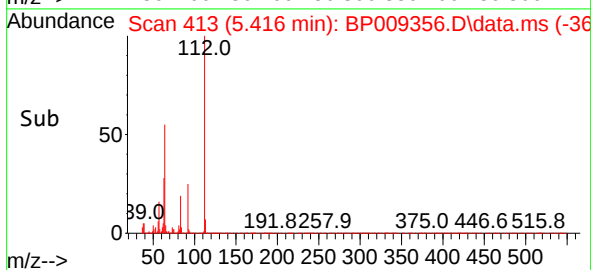
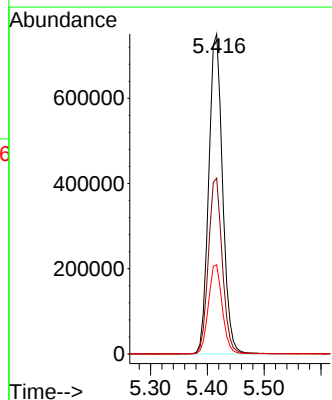
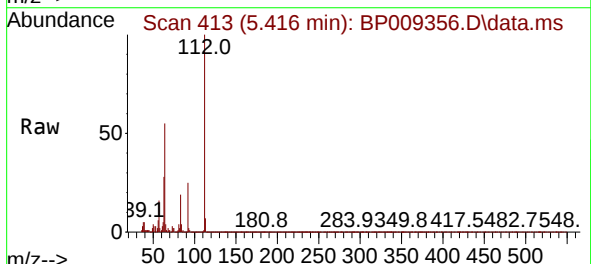
Instrument :
BNA_P
ClientSampleId :
FS-1

Tgt Ion:152 Resp: 516982
Ion Ratio Lower Upper
152 100
150 154.2 124.5 186.7
115 59.3 48.2 72.4



#5
2-Fluorophenol
Concen: 35.777 ng
RT: 5.416 min Scan# 413
Delta R.T. 0.005 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

Tgt Ion:112 Resp: 1267131
Ion Ratio Lower Upper
112 100
64 54.9 45.0 67.4
63 27.8 23.0 34.6

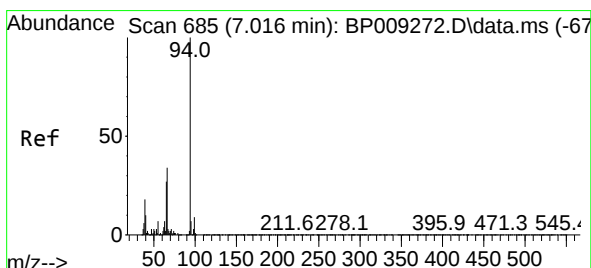
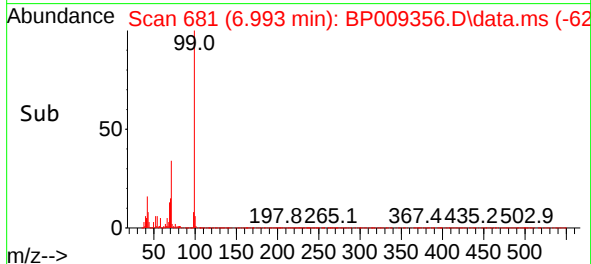
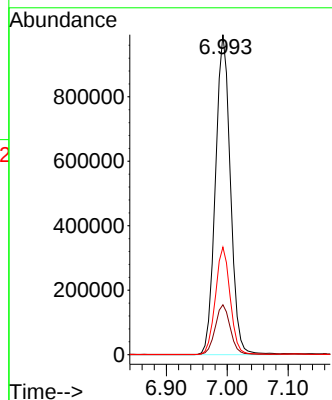
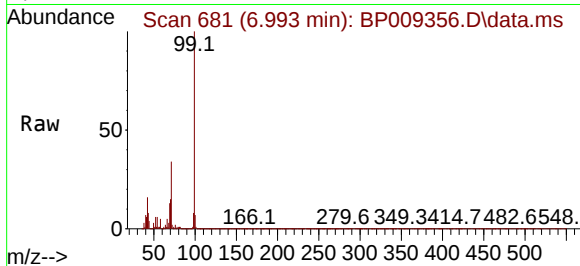




#7
Phenol-d6
Concen: 37.626 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

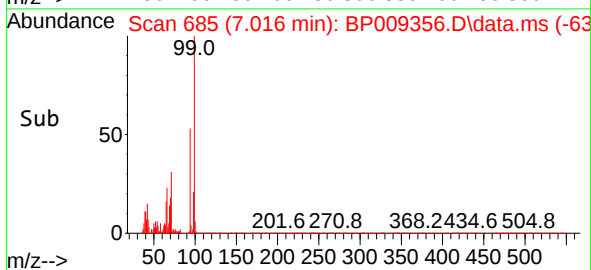
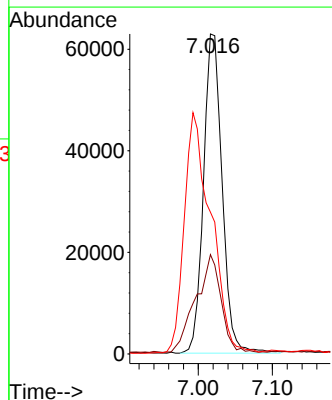
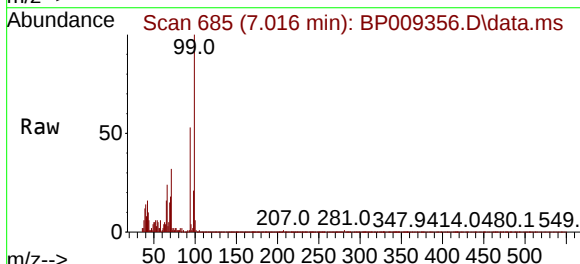
Instrument :
BNA_P
ClientSampleId :
FS-1

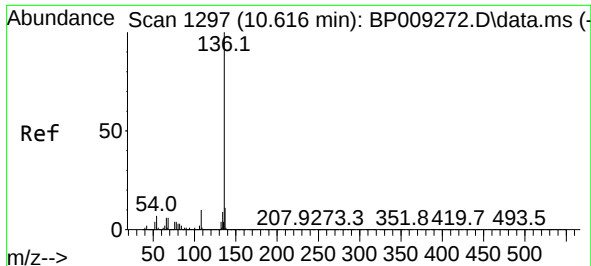
Tgt Ion: 99 Resp: 1693490
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 33.6 26.3 39.5



#10
Phenol
Concen: 2.367 ng
RT: 7.016 min Scan# 685
Delta R.T. -0.000 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

Tgt Ion: 94 Resp: 110311
Ion Ratio Lower Upper
94 100
65 31.1 7.2 47.2
66 44.3 14.3 54.3



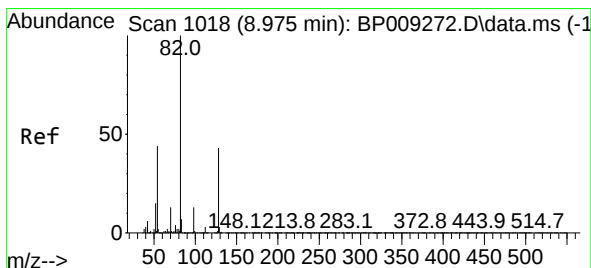
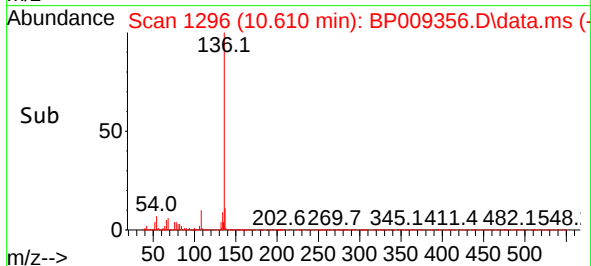
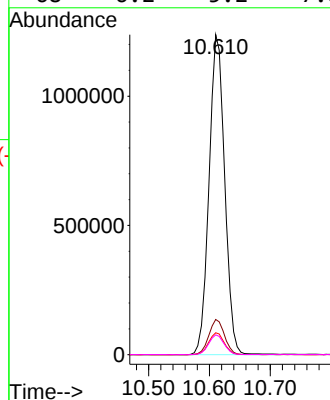
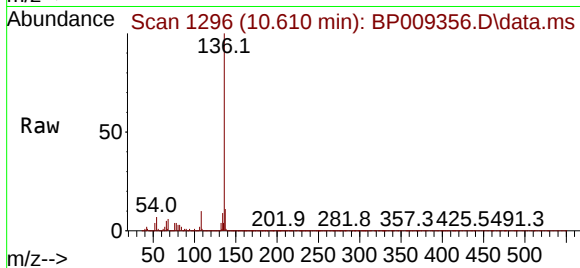


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

Instrument :
BNA_P
ClientSampleId :
FS-1

Tgt Ion:136 Resp: 2212521

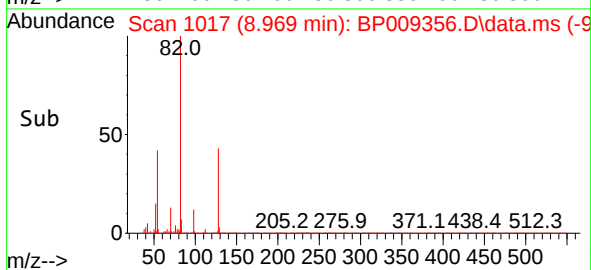
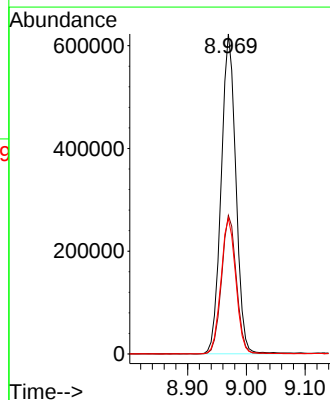
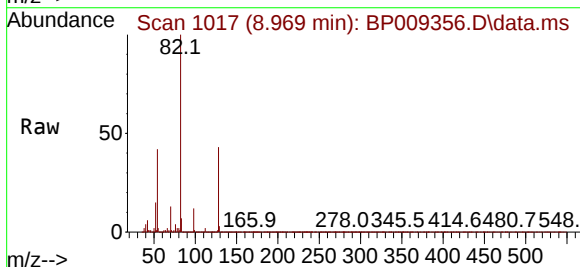
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	6.8	5.8	8.8
68	6.2	5.2	7.8

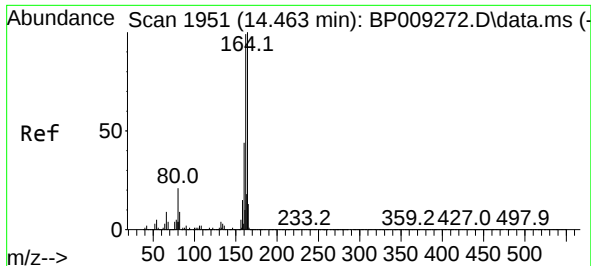


#23
Nitrobenzene-d5
Concen: 26.889 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

Tgt Ion: 82 Resp: 1080136

Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.2	51.4
54	42.4	34.7	52.1

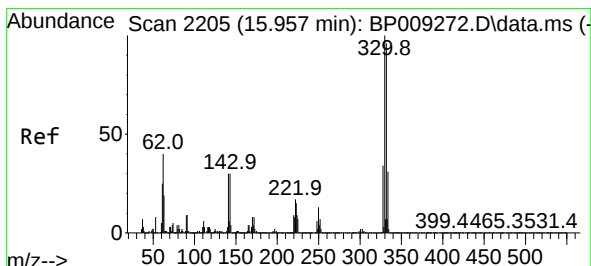
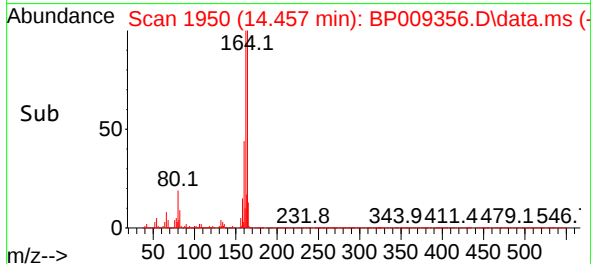
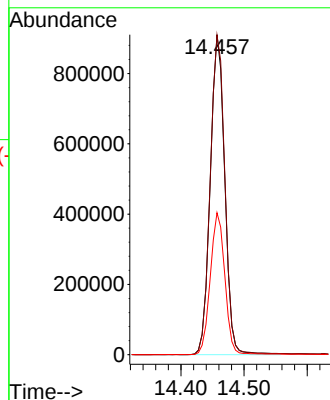
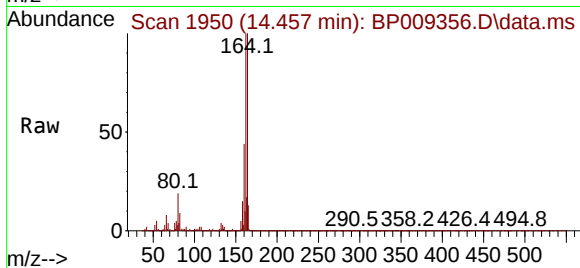




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

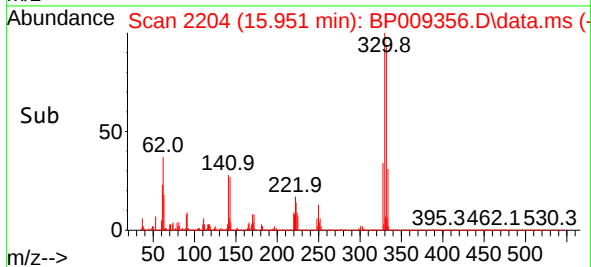
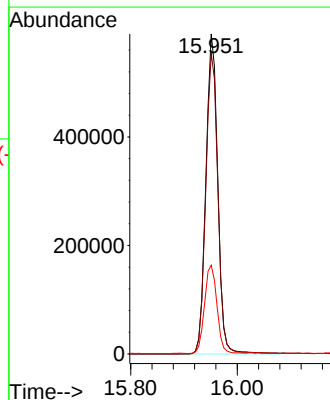
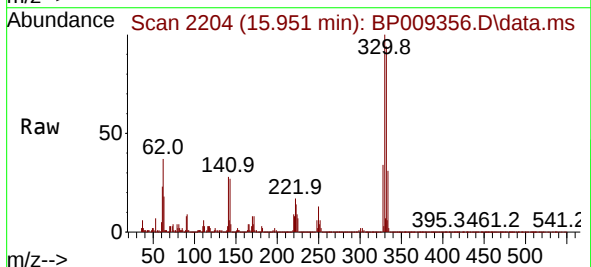
Instrument :
BNA_P
ClientSampleId :
FS-1

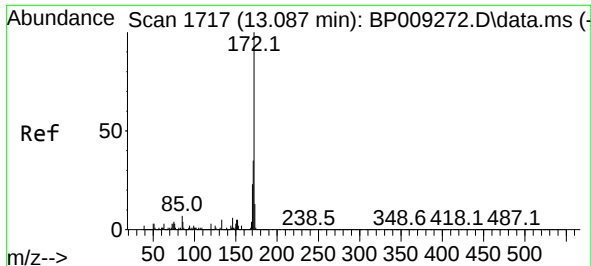
Tgt Ion:164 Resp: 1452351
Ion Ratio Lower Upper
164 100
162 99.8 79.1 118.7
160 44.4 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 52.109 ng
RT: 15.951 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

Tgt Ion:330 Resp: 913849
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 28.6 27.6 41.4

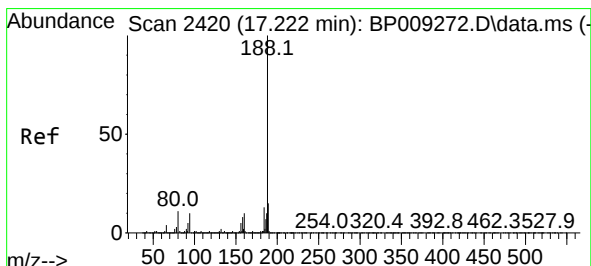
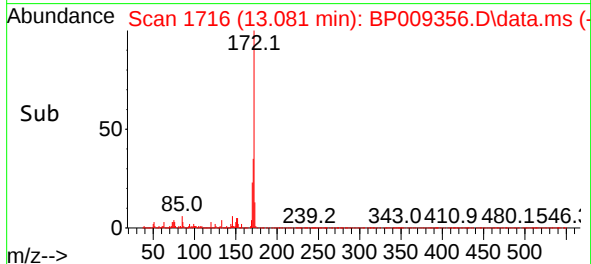
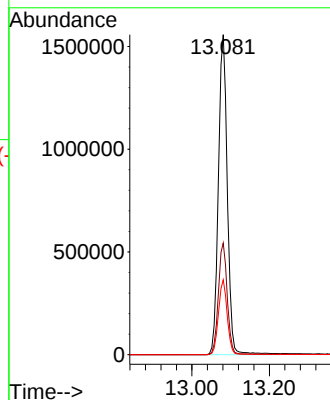
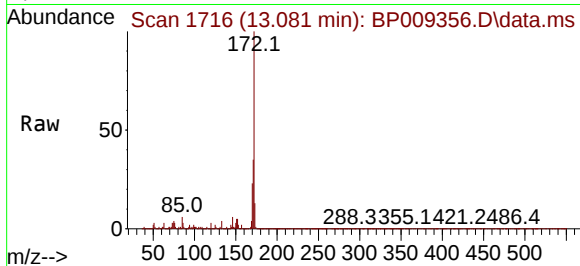




#45
2-Fluorobiphenyl
Concen: 23.618 ng
RT: 13.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

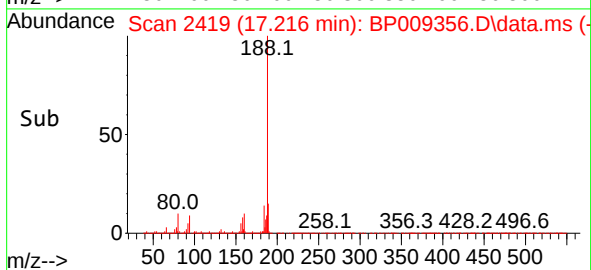
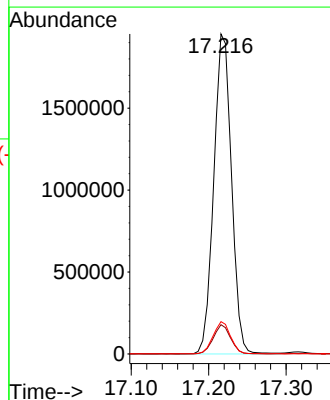
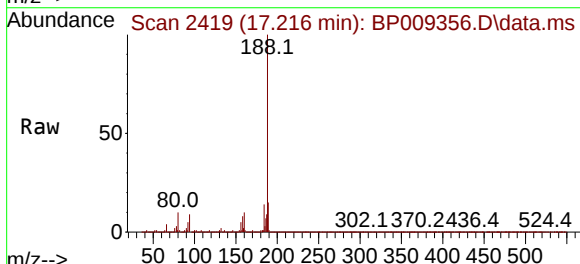
Instrument :
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ClientSampleId :
FS-1

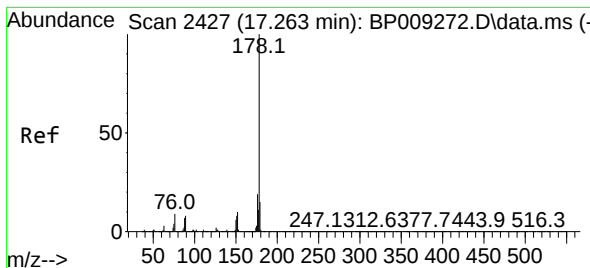
Tgt Ion:172 Resp: 2494283
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.4 18.6 27.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

Tgt Ion:188 Resp: 3110067
Ion Ratio Lower Upper
188 100
94 9.2 7.9 11.9
80 10.1 8.8 13.2





#71

Phenanthrene

Concen: 13.400 ng

RT: 17.263 min Scan# 2427

Delta R.T. -0.000 min

Lab File: BP009356.D

Acq: 10 Mar 2022 21:45

Instrument :

BNA_P

ClientSampleId :

FS-1

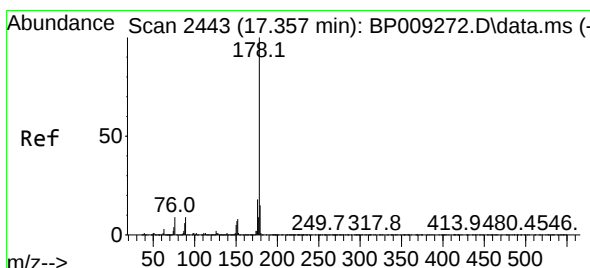
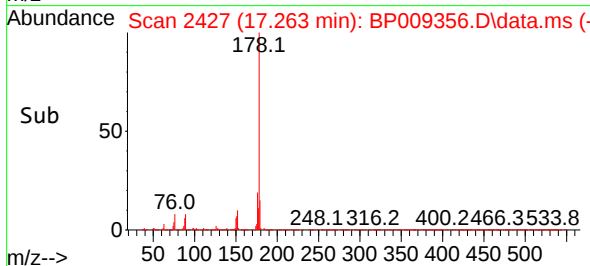
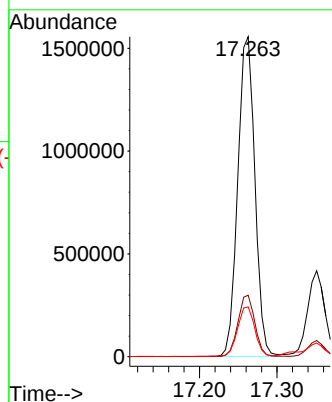
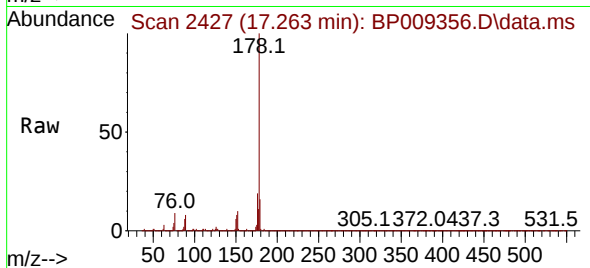
Tgt Ion:178 Resp: 2395066

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.6 12.3 18.5



#72

Anthracene

Concen: 3.483 ng

RT: 17.351 min Scan# 2442

Delta R.T. -0.006 min

Lab File: BP009356.D

Acq: 10 Mar 2022 21:45

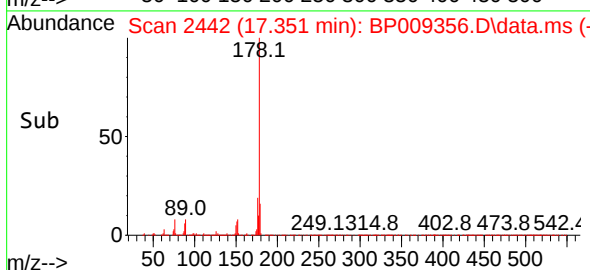
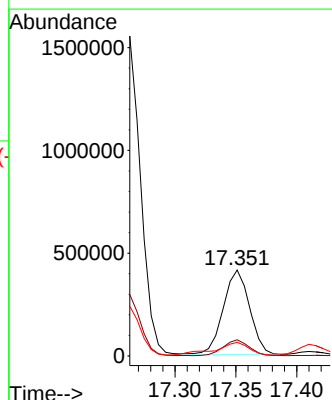
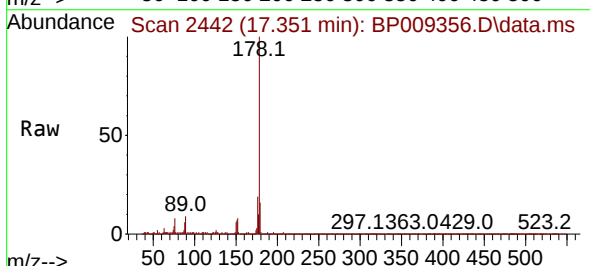
Tgt Ion:178 Resp: 619564

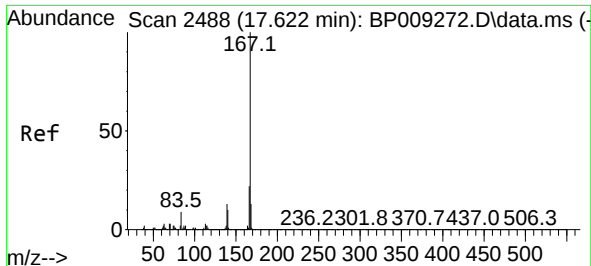
Ion Ratio Lower Upper

178 100

176 18.8 14.8 22.2

179 15.8 12.2 18.4

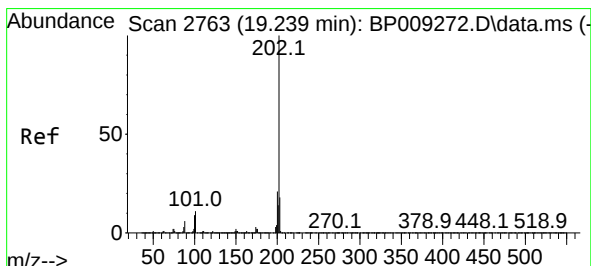
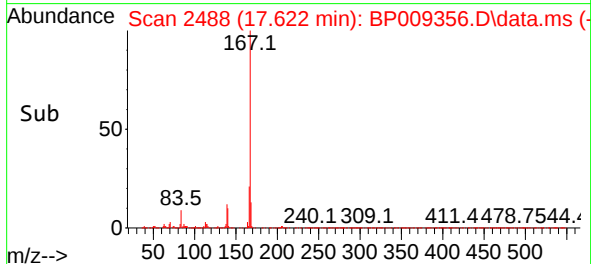
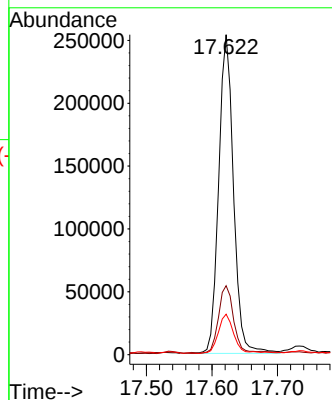
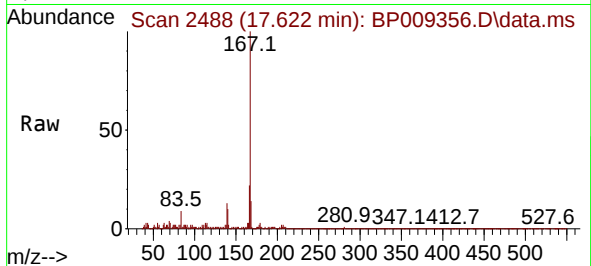




#73
 Carbazole
 Concen: 2.443 ng
 RT: 17.622 min Scan# 2488
 Delta R.T. -0.000 min
 Lab File: BP009356.D
 Acq: 10 Mar 2022 21:45

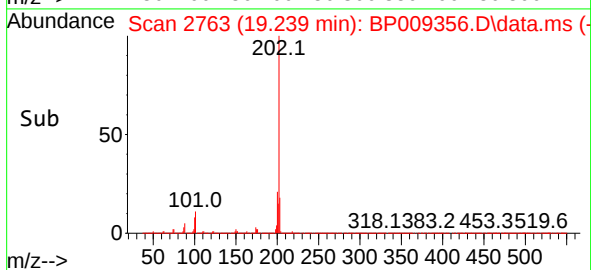
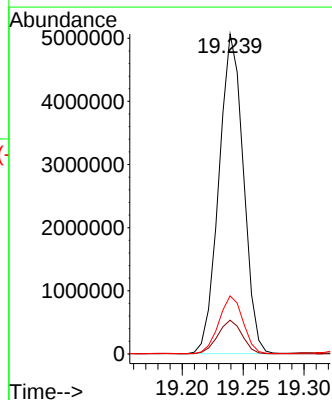
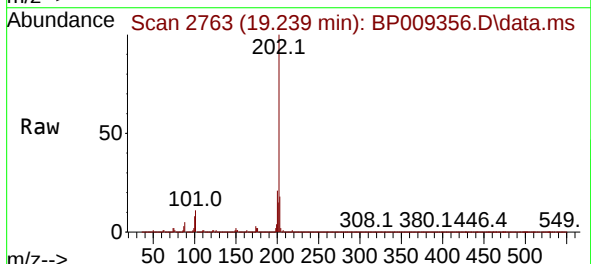
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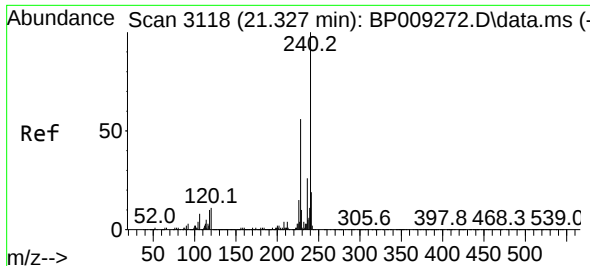
Tgt Ion:167 Resp: 396060
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.2 25.8
 139 12.6 10.3 15.5



#75
 Fluoranthene
 Concen: 34.324 ng
 RT: 19.239 min Scan# 2763
 Delta R.T. -0.000 min
 Lab File: BP009356.D
 Acq: 10 Mar 2022 21:45

Tgt Ion:202 Resp: 7081253
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.5
 203 18.1 0.0 37.8

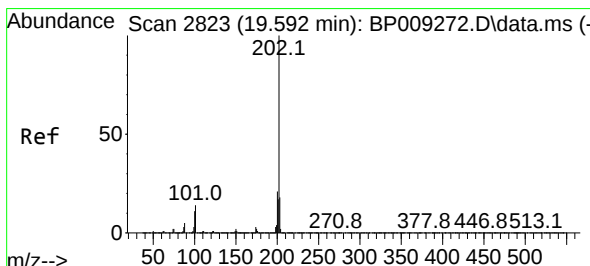
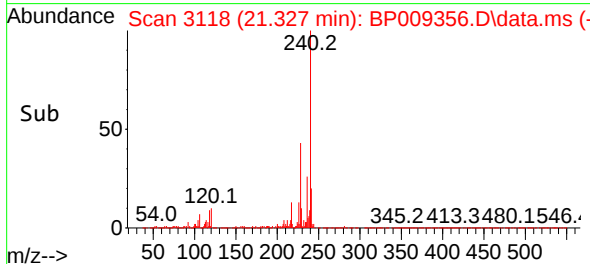
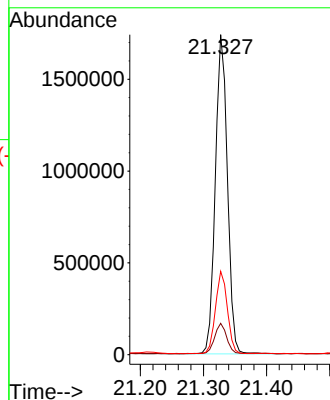
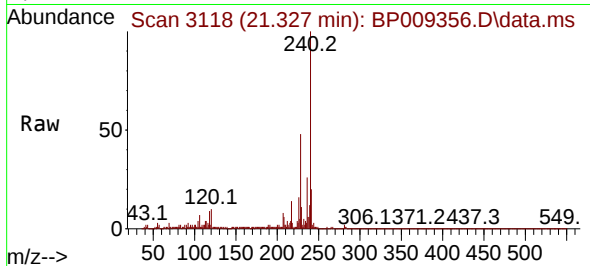




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

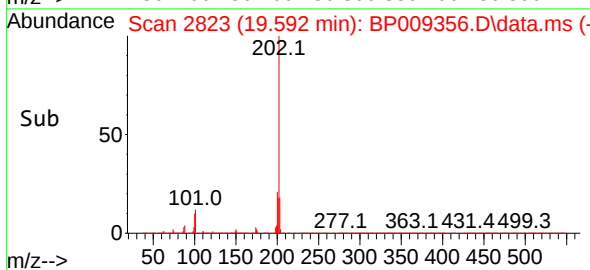
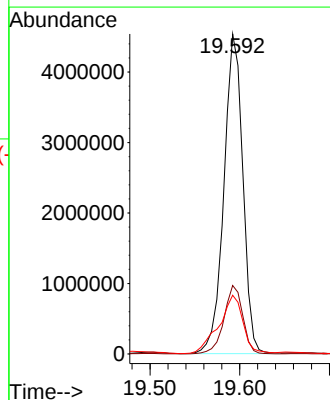
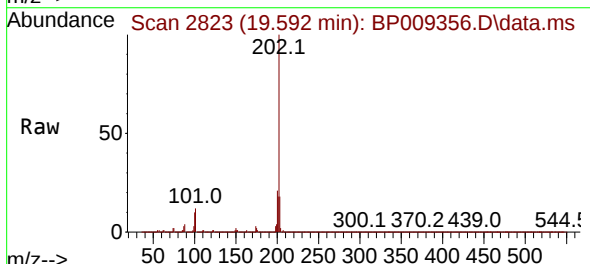
Instrument :
BNA_P
ClientSampleId :
FS-1

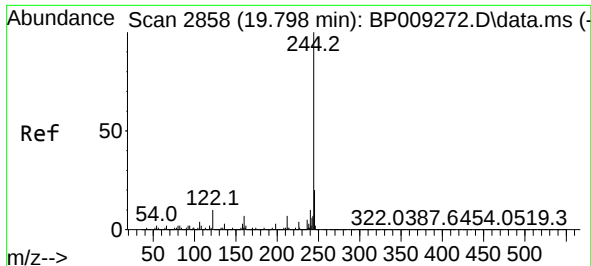
Tgt Ion:240 Resp: 2303441
Ion Ratio Lower Upper
240 100
120 9.8 9.0 13.4
236 26.0 20.6 30.8



#78
Pyrene
Concen: 42.700 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.000 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

Tgt Ion:202 Resp: 6640807
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 18.3 14.2 21.4

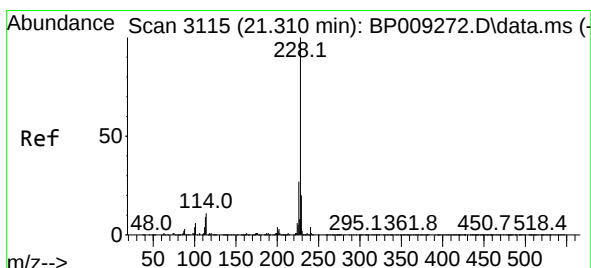
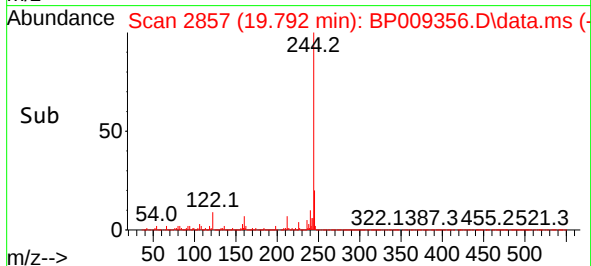
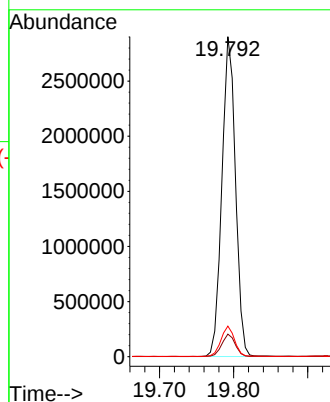
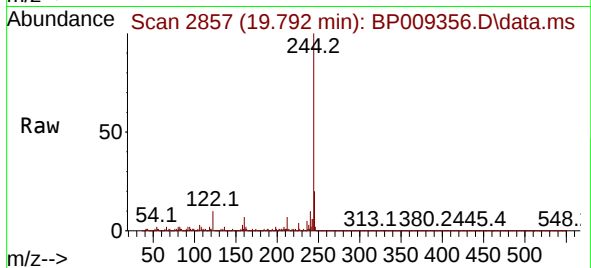




#79
 Terphenyl-d14
 Concen: 30.263 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009356.D
 Acq: 10 Mar 2022 21:45

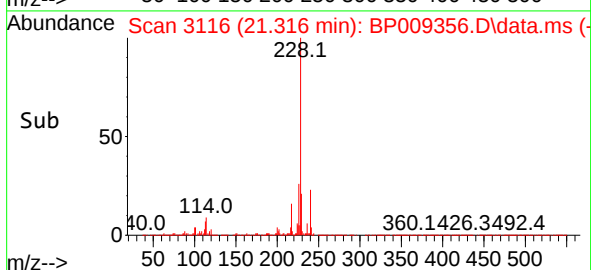
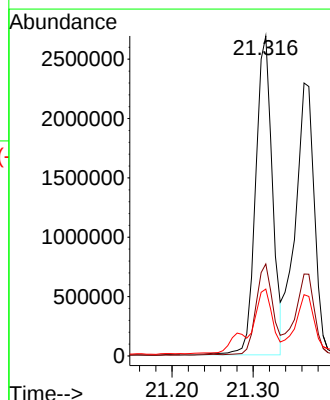
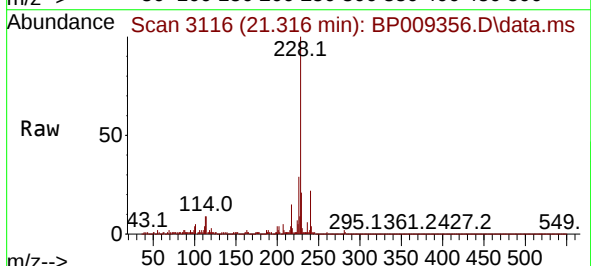
Instrument :
 BNA_P
 ClientSampleId :
 FS-1

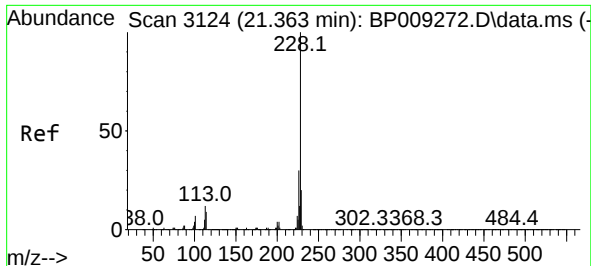
Tgt Ion:244 Resp: 3693867
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 9.6 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 24.690 ng
 RT: 21.316 min Scan# 3116
 Delta R.T. 0.006 min
 Lab File: BP009356.D
 Acq: 10 Mar 2022 21:45

Tgt Ion:228 Resp: 3854821
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.0 33.0
 229 20.9 16.1 24.1

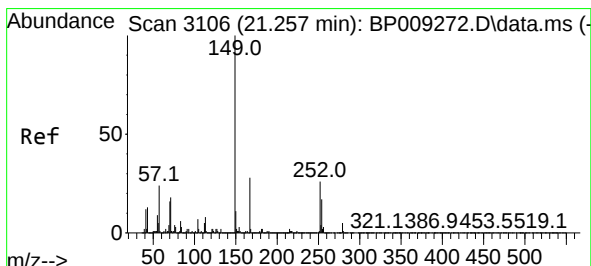
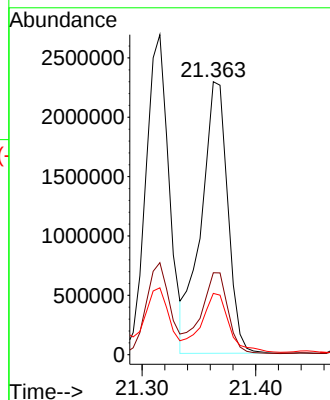
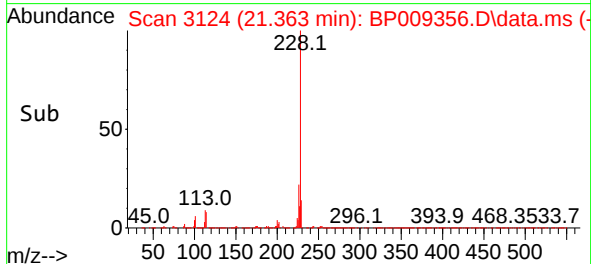
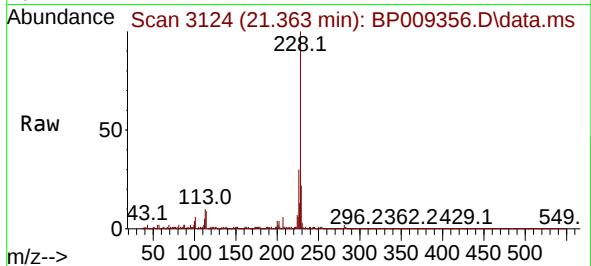




#83
Chrysene
Concen: 24.596 ng
RT: 21.363 min Scan# 3124
Delta R.T. -0.000 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

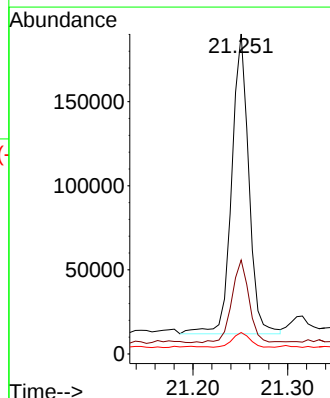
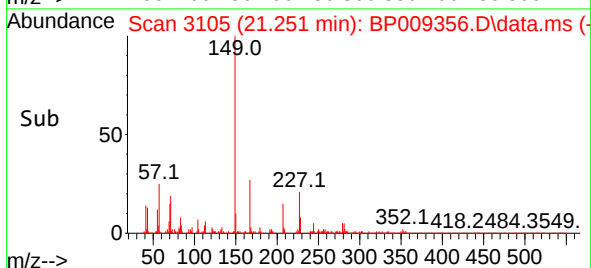
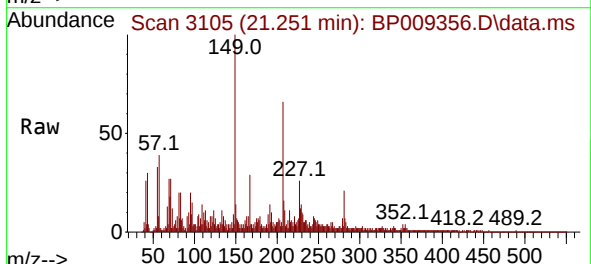
Instrument :
BNA_P
ClientSampleId :
FS-1

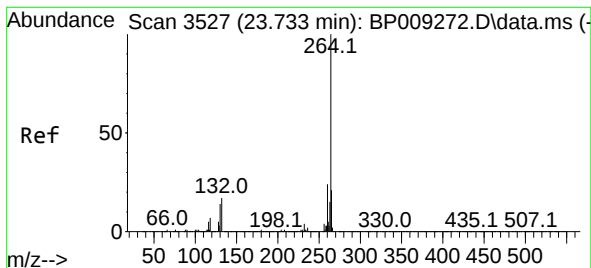
Tgt Ion:228 Resp: 3728396
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.2
229 22.4 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.494 ng
RT: 21.251 min Scan# 3105
Delta R.T. -0.006 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

Tgt Ion:149 Resp: 223885
Ion Ratio Lower Upper
149 100
167 29.4 22.6 33.8
279 6.7 3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.739 min Scan# 3527

Delta R.T. 0.006 min

Lab File: BP009356.D

Acq: 10 Mar 2022 21:45

Instrument :

BNA_P

ClientSampleId :

FS-1

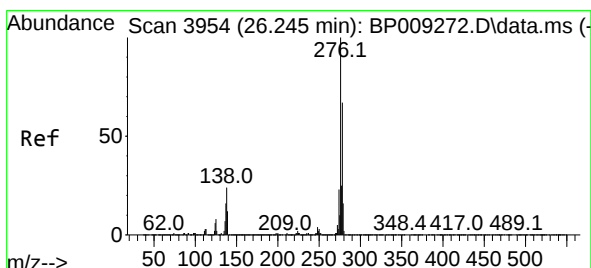
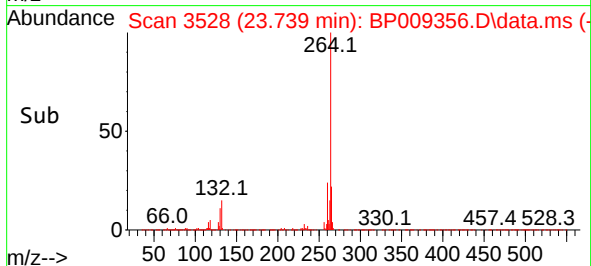
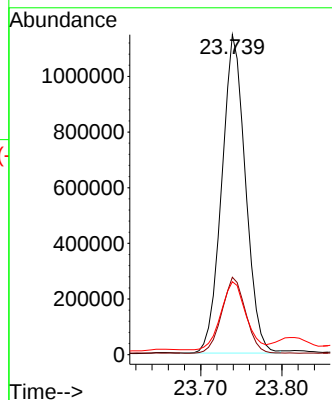
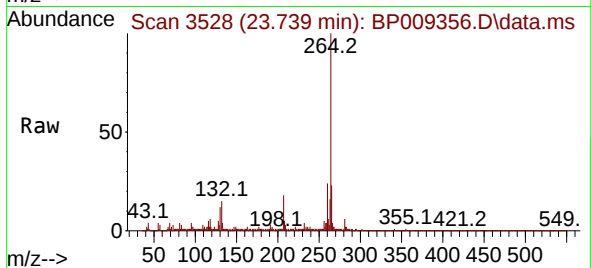
Tgt Ion:264 Resp: 2318790

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

265 22.8 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 17.239 ng

RT: 26.251 min Scan# 3955

Delta R.T. 0.006 min

Lab File: BP009356.D

Acq: 10 Mar 2022 21:45

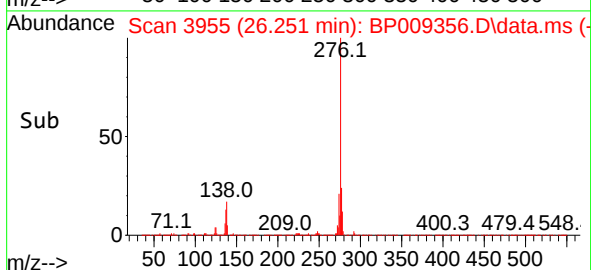
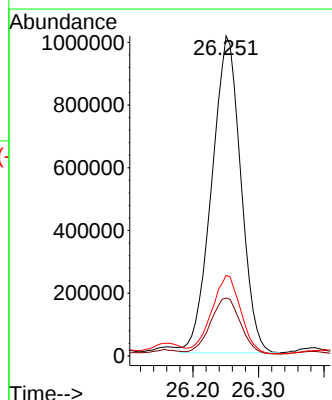
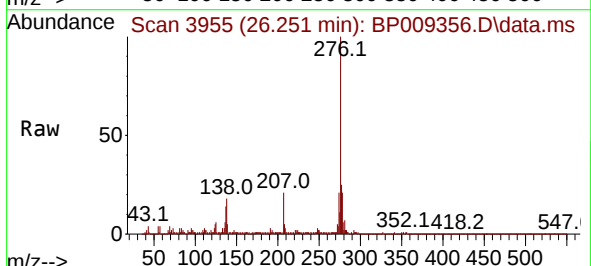
Tgt Ion:276 Resp: 3105802

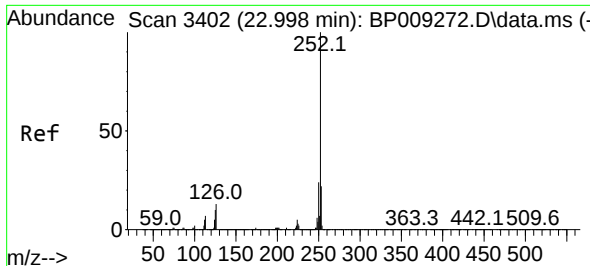
Ion Ratio Lower Upper

276 100

138 18.4 20.5 30.7#

277 24.9 20.4 30.6

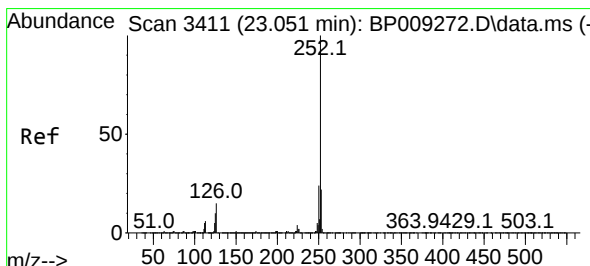
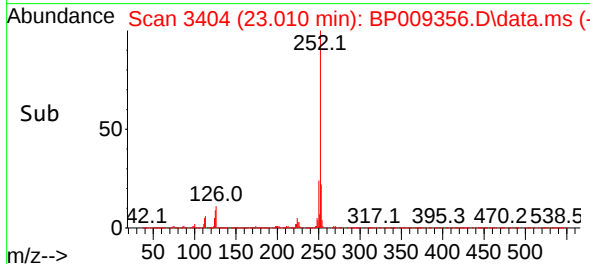
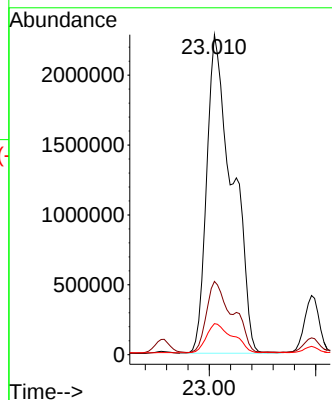
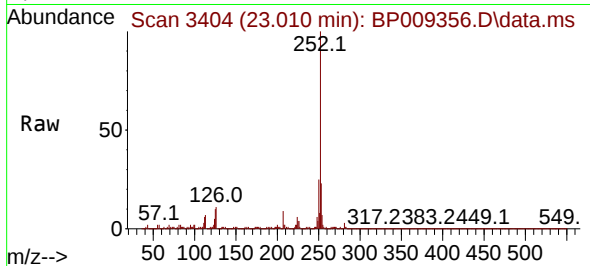




#88
Benzo(b)fluoranthene
Concen: 48.632 ng
RT: 23.010 min Scan# 3404
Delta R.T. 0.012 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

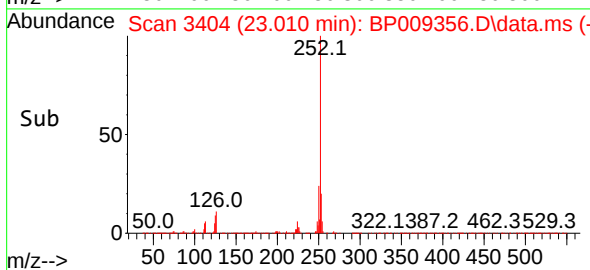
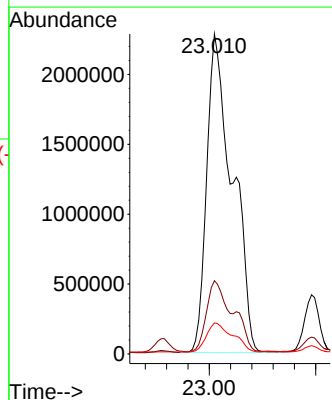
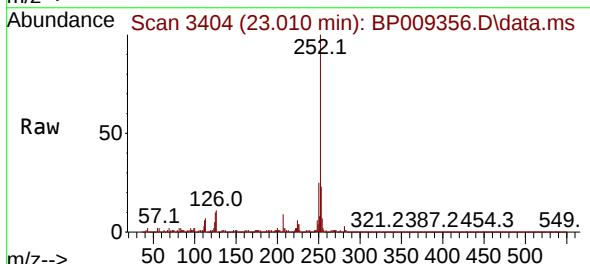
Instrument :
BNA_P
ClientSampleId :
FS-1

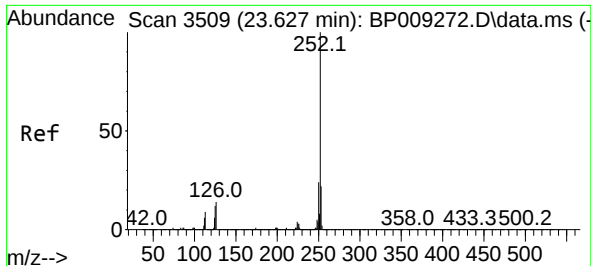
Tgt Ion:252 Resp: 7613851
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 9.7 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 50.924 ng
RT: 23.010 min Scan# 3404
Delta R.T. -0.041 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

Tgt Ion:252 Resp: 7616725
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 9.7 8.3 12.5

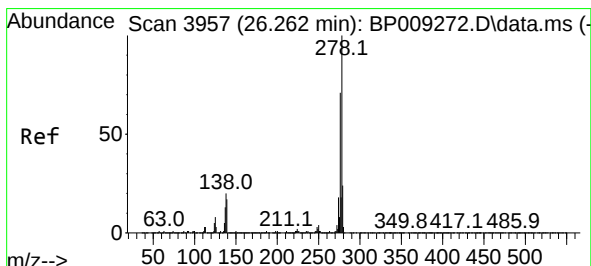
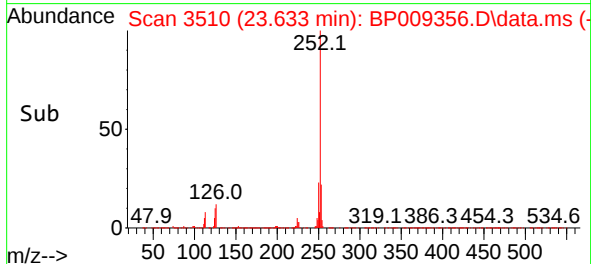
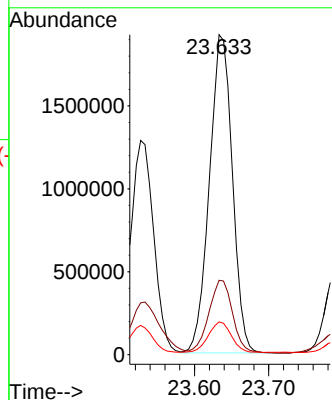
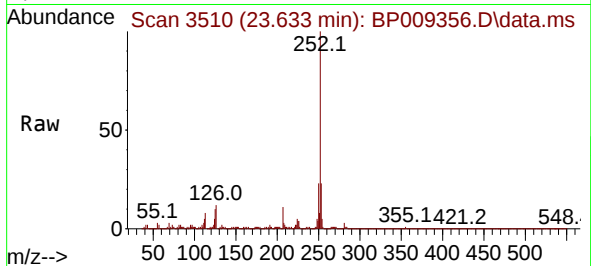




#90
Benzo(a)pyrene
Concen: 27.839 ng
RT: 23.633 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

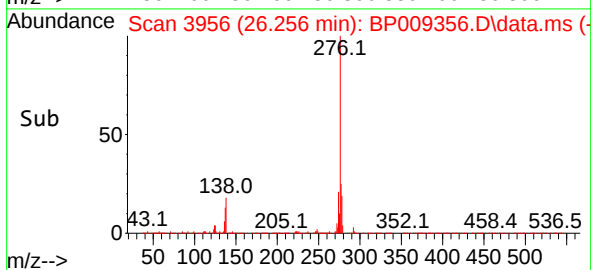
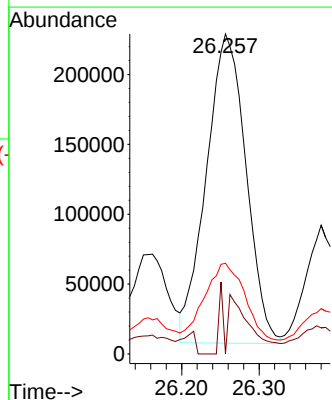
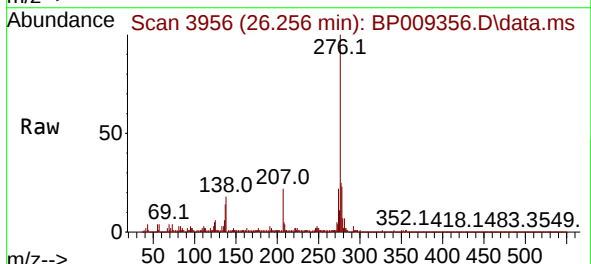
Instrument :
BNA_P
ClientSampleId :
FS-1

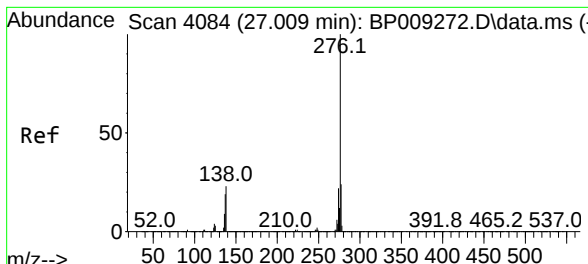
Tgt Ion:252 Resp: 4133830
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 10.3 9.3 13.9



#91
Dibenzo(a,h)anthracene
Concen: 5.173 ng
RT: 26.256 min Scan# 3956
Delta R.T. -0.006 min
Lab File: BP009356.D
Acq: 10 Mar 2022 21:45

Tgt Ion:278 Resp: 790246
Ion Ratio Lower Upper
278 100
139 0.0 13.2 19.8#
279 28.3 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 20.829 ng
 RT: 27.027 min Scan# 4087
 Delta R.T. 0.018 min
 Lab File: BP009356.D
 Acq: 10 Mar 2022 21:45

Instrument :
 BNA_P
 ClientSampleId :
 FS-1

Tgt Ion:276 Resp: 3143509

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	19.3	18.0	27.0

