

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031522\
 Data File : BP009416.D
 Acq On : 16 Mar 2022 01:16
 Operator : CG/JU
 Sample : N1894-04 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP4(0-7)

Quant Time: Mar 16 01:59:53 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)

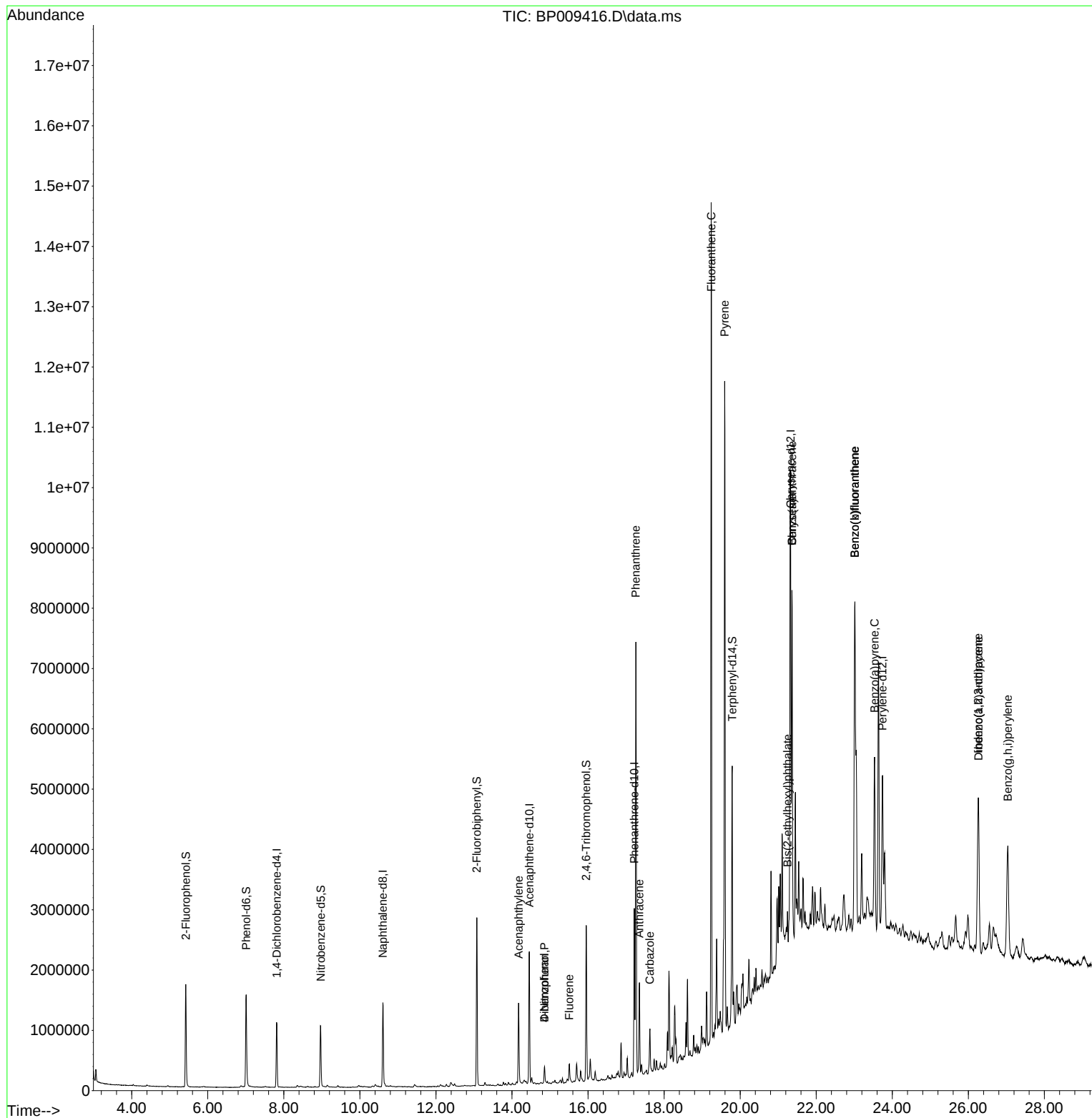
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	336625	20.000	ng	-0.01
21) Naphthalene-d8	10.604	136	1319455	20.000	ng	-0.01
39) Acenaphthene-d10	14.457	164	861562	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	1790115	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1775352	20.000	ng	0.00
86) Perylene-d12	23.745	264	2064034	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	885752	38.408	ng	0.01
7) Phenol-d6	7.010	99	1079268	36.827	ng	0.02
23) Nitrobenzene-d5	8.969	82	687525	28.700	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	593297	57.029	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	1626974	25.969	ng	-0.01
79) Terphenyl-d14	19.792	244	2349927	24.979	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.175	152	1156148	14.044	ng	99
55) Dibenzofuran	14.857	168	201783	2.525	ng	99
56) 4-Nitrophenol	14.857	139	72004	6.495	ng	# 11
58) Fluorene	15.504	166	159425	2.547	ng	# 95
71) Phenanthrene	17.257	178	4834862	46.996	ng	100
72) Anthracene	17.351	178	1034732	10.105	ng	100
73) Carbazole	17.628	167	545172	5.843	ng	99
75) Fluoranthene	19.239	202	8786796	73.997	ng	97
78) Pyrene	19.592	202	6839279	57.057	ng	99
81) Benzo(a)anthracene	21.363	228	3651175	30.342	ng	95
83) Chrysene	21.363	228	3651175	31.252	ng	98
84) Bis(2-ethylhexyl)phtha...	21.245	149	204938	2.962	ng	# 98
87) Indeno(1,2,3-cd)pyrene	26.262	276	2910917	18.152	ng	# 91
88) Benzo(b)fluoranthene	23.015	252	7141849	51.247	ng	98
89) Benzo(k)fluoranthene	23.015	252	7142256	53.646	ng	97
90) Benzo(a)pyrene	23.533	252	2434021	18.415	ng	96
91) Dibenzo(a,h)anthracene	26.268	278	727326	5.349	ng	# 79
92) Benzo(g,h,i)perylene	27.039	276	2768352	20.608	ng	# 94

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031522\
Data File : BP009416.D
Acq On : 16 Mar 2022 01:16
Operator : CG/JU
Sample : N1894-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

Quant Time: Mar 16 01:59:53 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

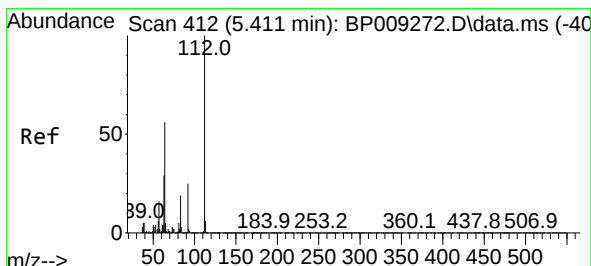
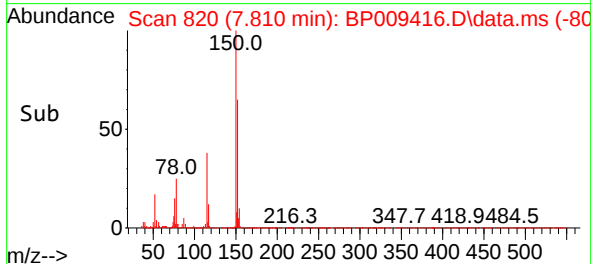
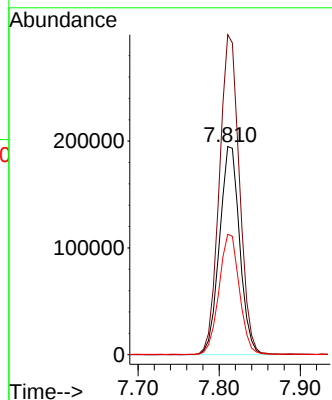
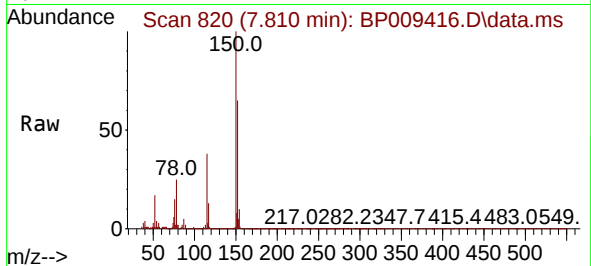




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.810 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BP009416.D
 Acq: 16 Mar 2022 01:16

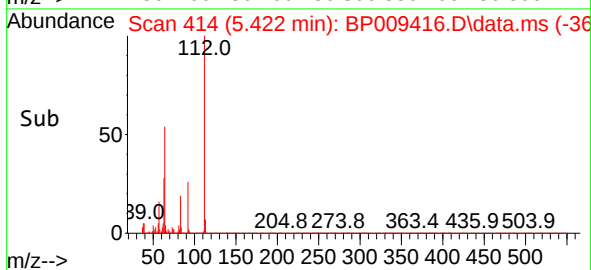
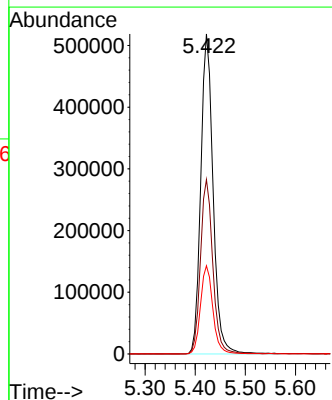
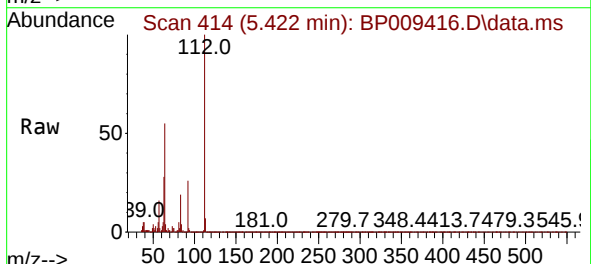
Instrument :
 BNA_P
 ClientSampleId :
 TP4(0-7)

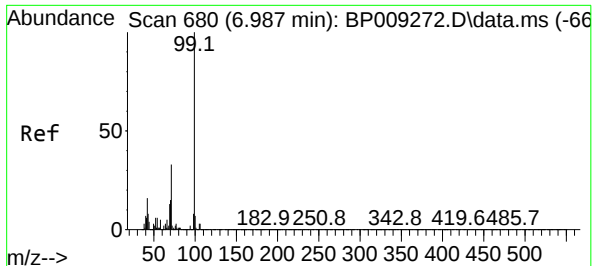
Tgt Ion:152 Resp: 336625
 Ion Ratio Lower Upper
 152 100
 150 153.7 124.5 186.7
 115 57.8 48.2 72.4



#5
 2-Fluorophenol
 Concen: 38.408 ng
 RT: 5.422 min Scan# 414
 Delta R.T. 0.011 min
 Lab File: BP009416.D
 Acq: 16 Mar 2022 01:16

Tgt Ion:112 Resp: 885752
 Ion Ratio Lower Upper
 112 100
 64 54.5 45.0 67.4
 63 27.6 23.0 34.6



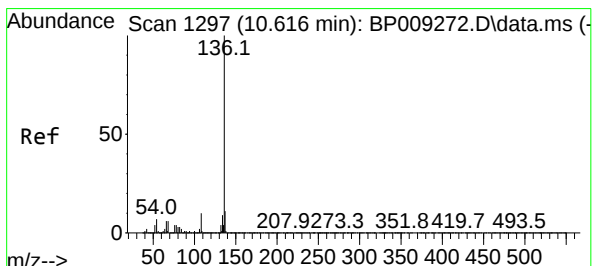
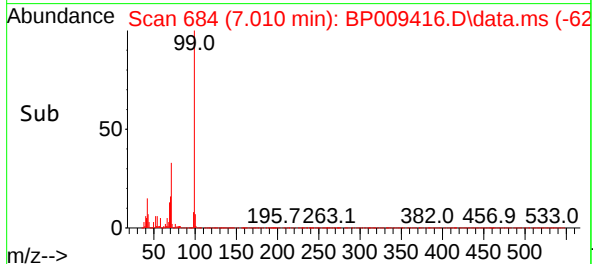
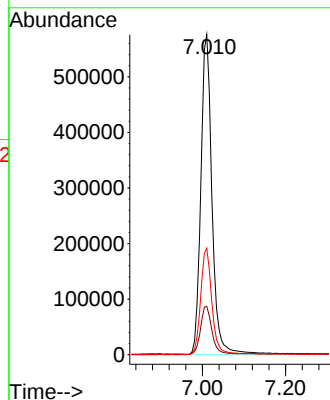
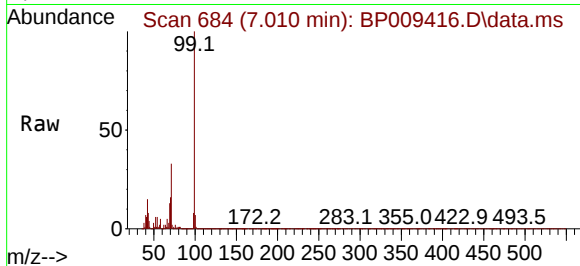


#7
Phenol-d6
Concen: 36.827 ng
RT: 7.010 min Scan# 61
Delta R.T. 0.023 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

Tgt Ion: 99 Resp: 1079268

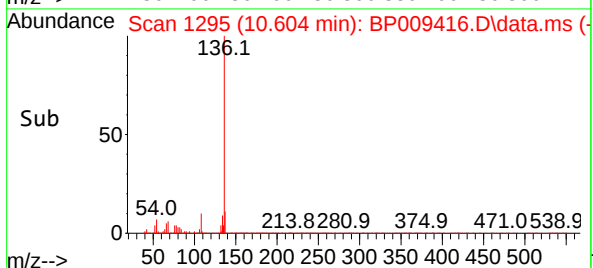
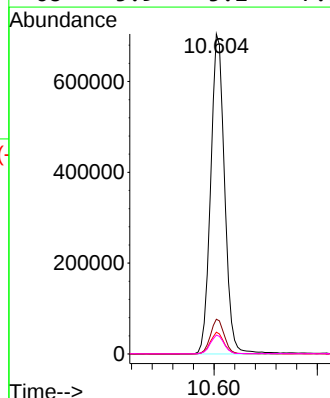
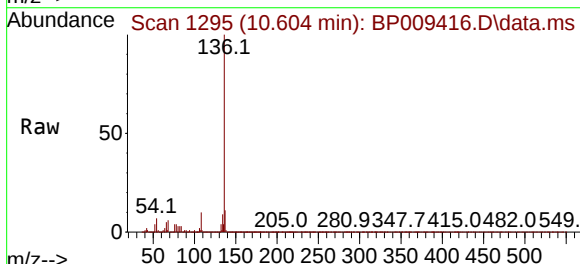
Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.8	19.2
71	33.3	26.3	39.5

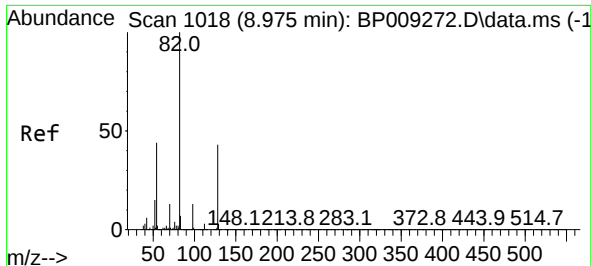


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Tgt Ion: 136 Resp: 1319455

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.8	5.8	8.8
68	5.9	5.2	7.8

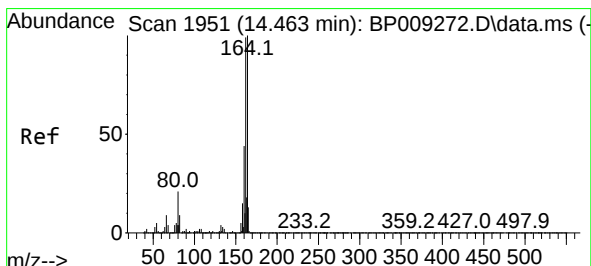
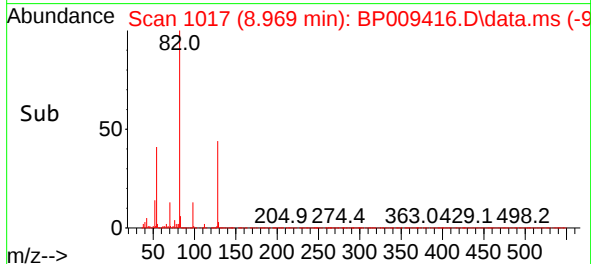
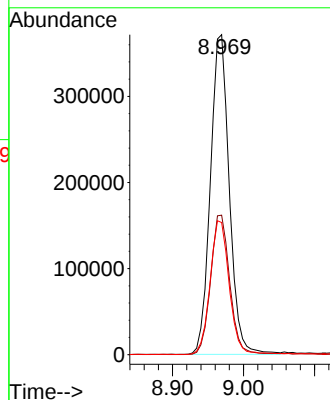
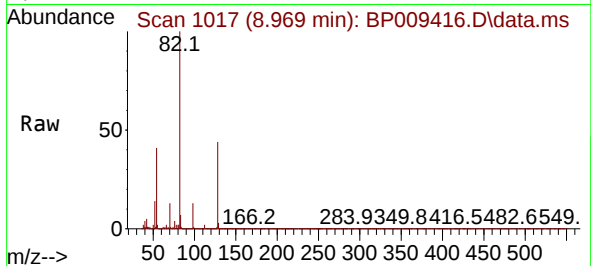




#23
Nitrobenzene-d5
Concen: 28.700 ng
RT: 8.969 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

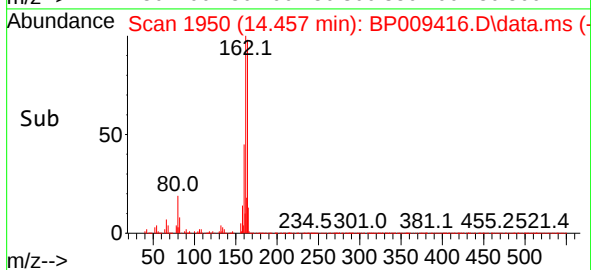
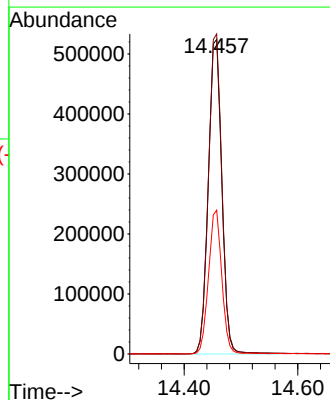
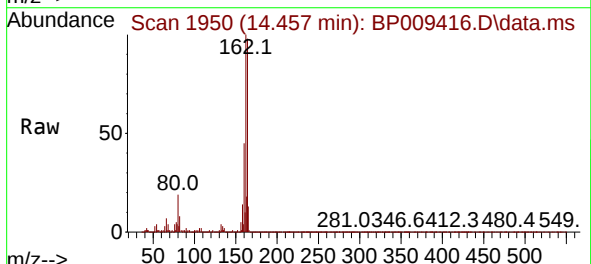
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

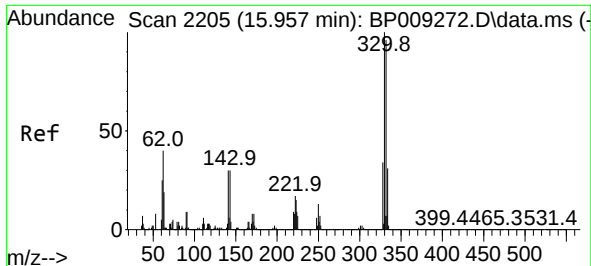
Tgt Ion: 82 Resp: 687525
Ion Ratio Lower Upper
82 100
128 43.6 34.2 51.4
54 41.3 34.7 52.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Tgt Ion:164 Resp: 861562
Ion Ratio Lower Upper
164 100
162 101.7 79.1 118.7
160 45.8 34.9 52.3

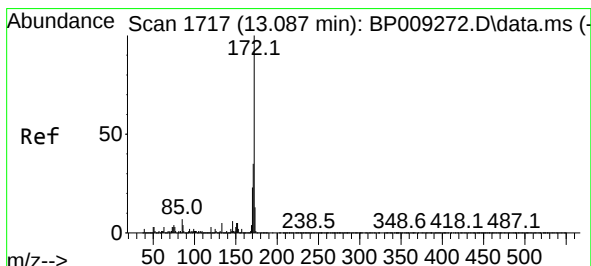
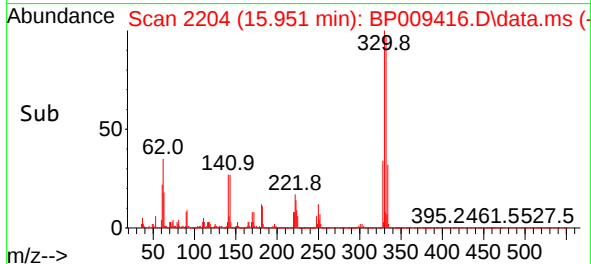
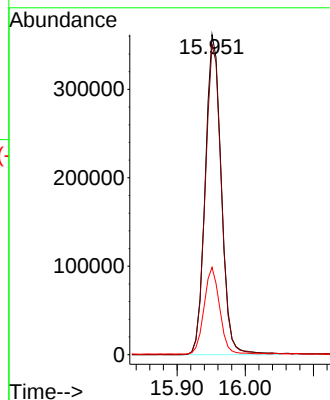
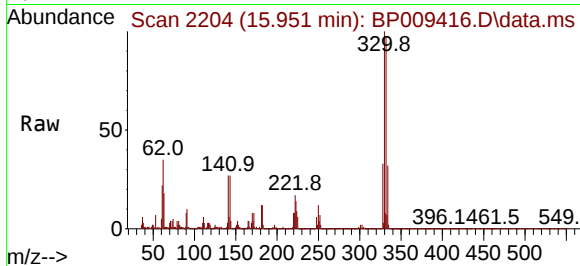




#42
2,4,6-Tribromophenol
Concen: 57.029 ng
RT: 15.951 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

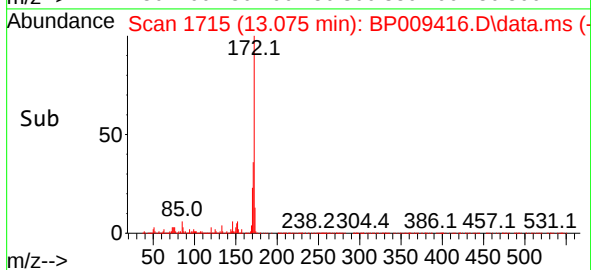
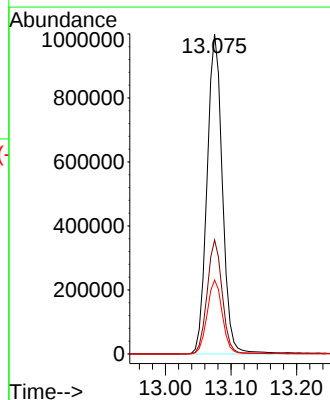
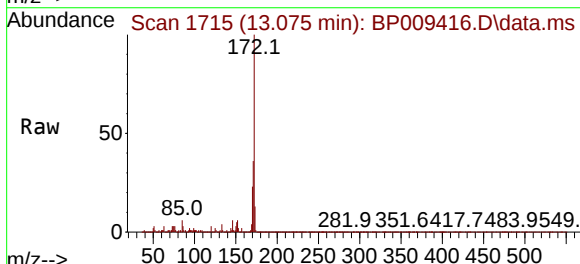
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

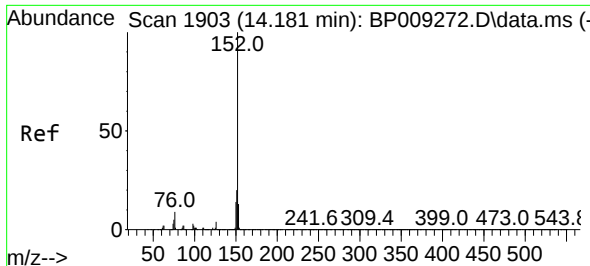
Tgt Ion:330 Resp: 593297
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 26.0 27.6 41.4#



#45
2-Fluorobiphenyl
Concen: 25.969 ng
RT: 13.075 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Tgt Ion:172 Resp: 1626974
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 23.1 18.6 27.8

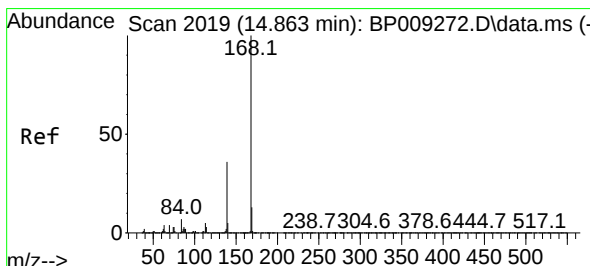
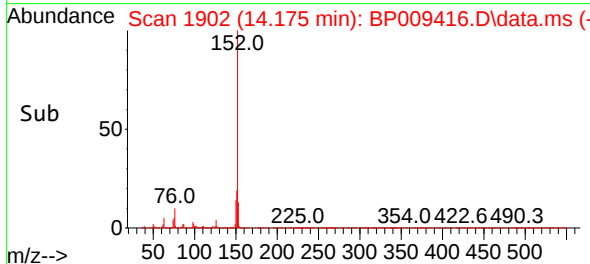
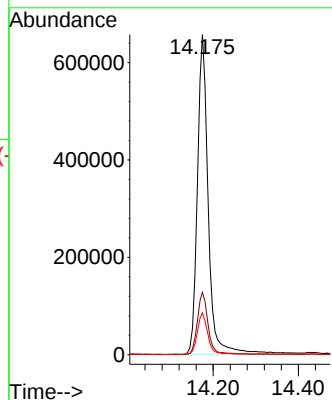
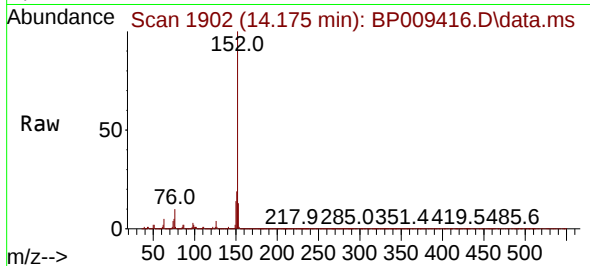




#49
Acenaphthylene
Concen: 14.044 ng
RT: 14.175 min Scan# 1903
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

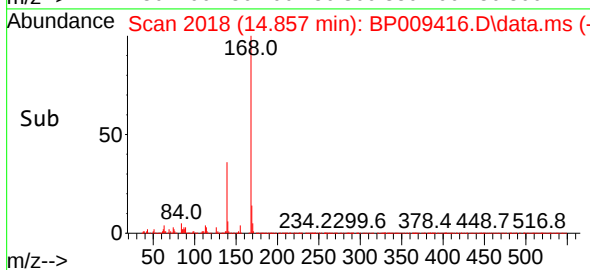
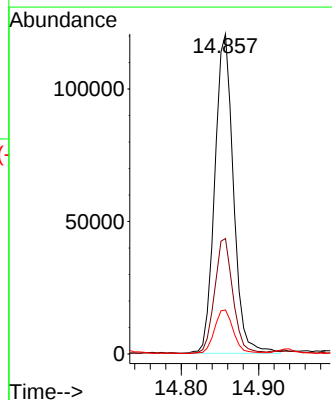
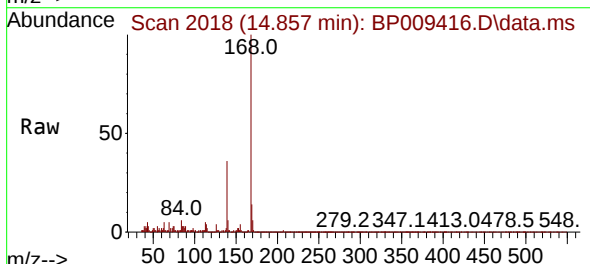
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

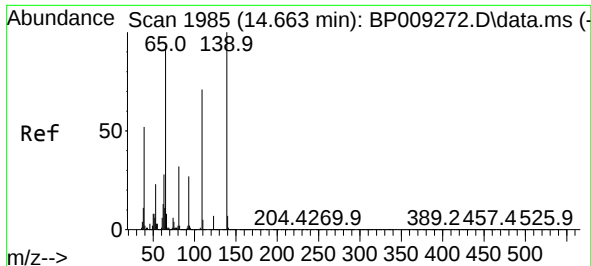
Tgt Ion:152 Resp: 1156148
Ion Ratio Lower Upper
152 100
151 19.5 15.9 23.9
153 13.1 10.7 16.1



#55
Dibenzofuran
Concen: 2.525 ng
RT: 14.857 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Tgt Ion:168 Resp: 201783
Ion Ratio Lower Upper
168 100
139 36.1 29.1 43.7
169 13.7 10.6 16.0

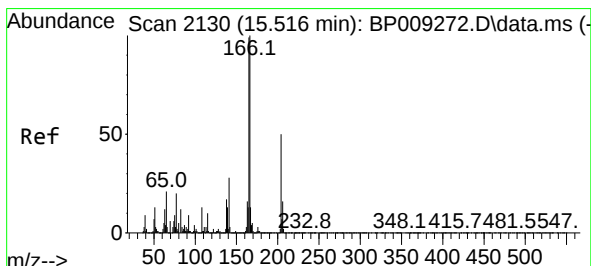
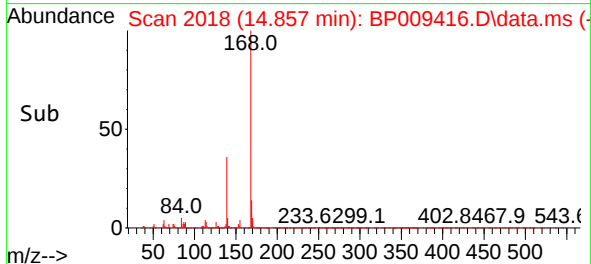
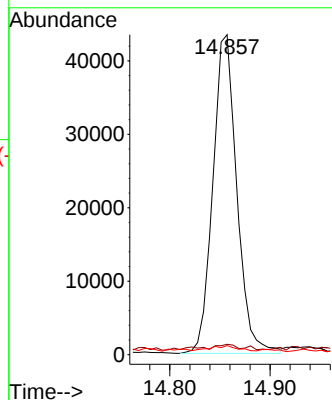
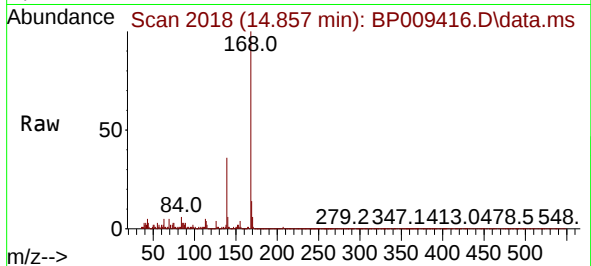




#56
4-Nitrophenol
Concen: 6.495 ng
RT: 14.857 min Scan# 2018
Delta R.T. 0.194 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

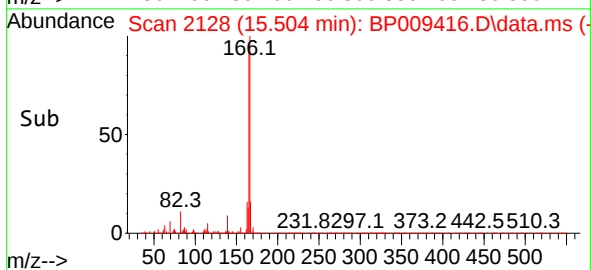
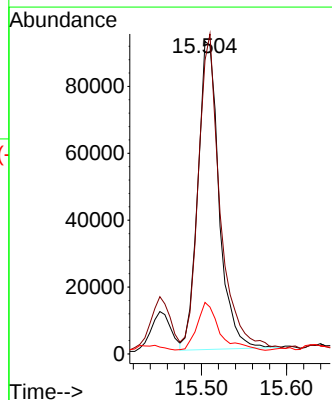
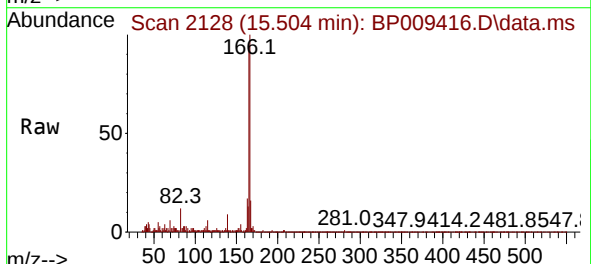
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

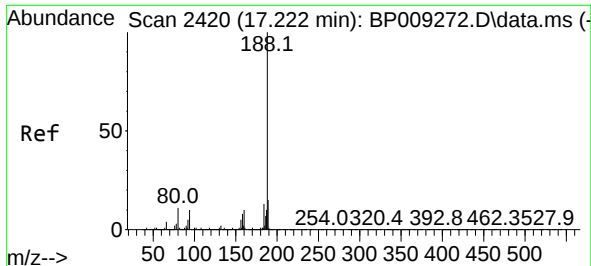
Tgt Ion:139 Resp: 72004
Ion Ratio Lower Upper
139 100
109 3.3 51.2 91.2#
65 2.8 73.2 113.2#



#58
Fluorene
Concen: 2.547 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.012 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Tgt Ion:166 Resp: 159425
Ion Ratio Lower Upper
166 100
165 94.0 79.2 118.8
167 16.5 10.7 16.1#

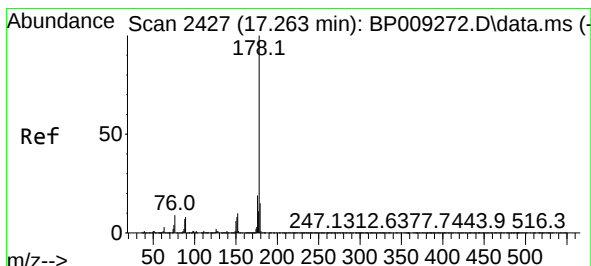
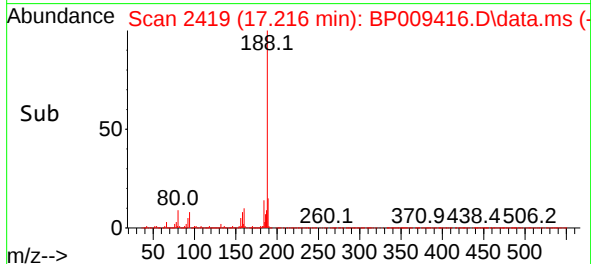
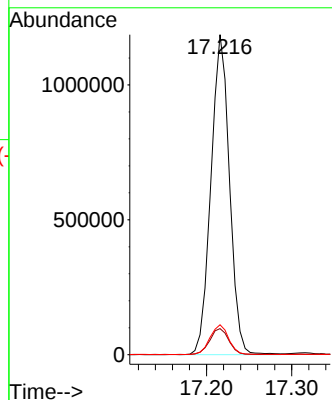
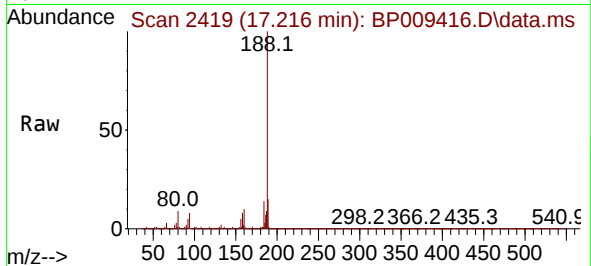




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

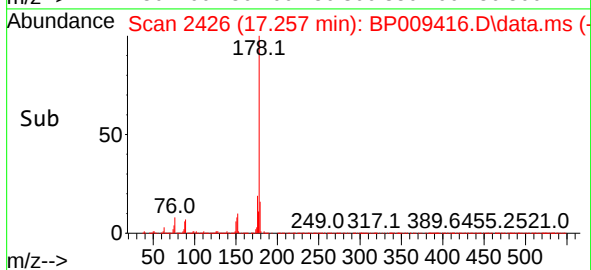
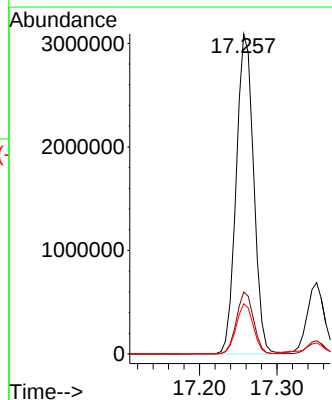
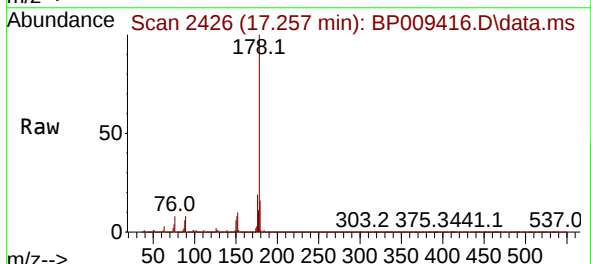
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

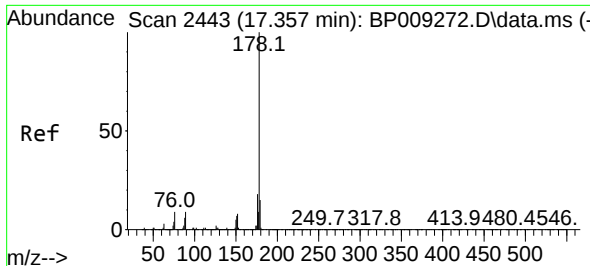
Tgt Ion:188 Resp: 1790115
Ion Ratio Lower Upper
188 100
94 8.2 7.9 11.9
80 9.4 8.8 13.2



#71
Phenanthrene
Concen: 46.996 ng
RT: 17.257 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Tgt Ion:178 Resp: 4834862
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.7 12.3 18.5

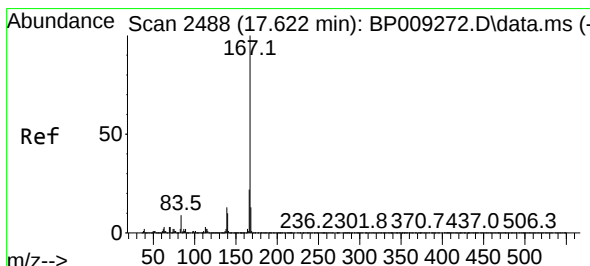
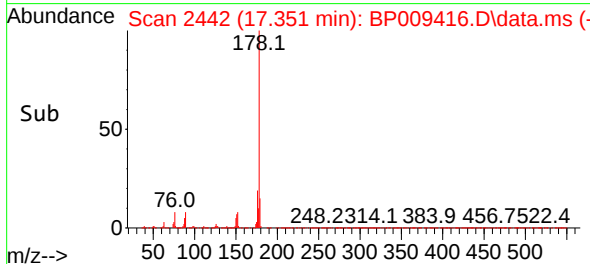
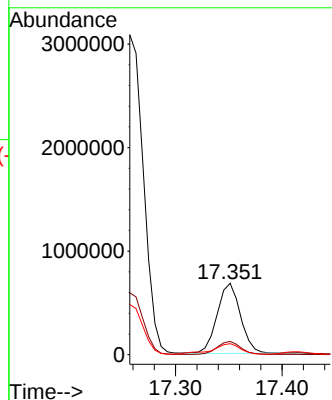
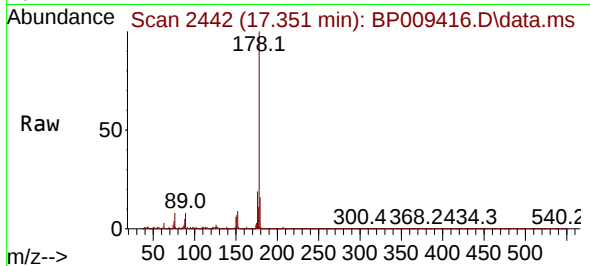




#72
 Anthracene
 Concen: 10.105 ng
 RT: 17.351 min Scan# 2443
 Delta R.T. -0.006 min
 Lab File: BP009416.D
 Acq: 16 Mar 2022 01:16

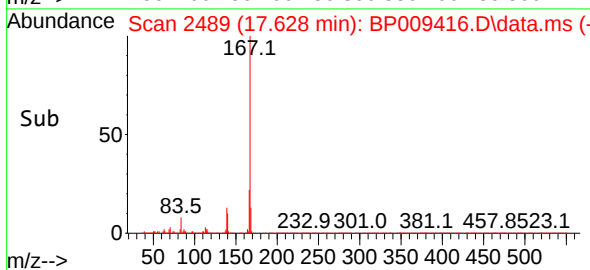
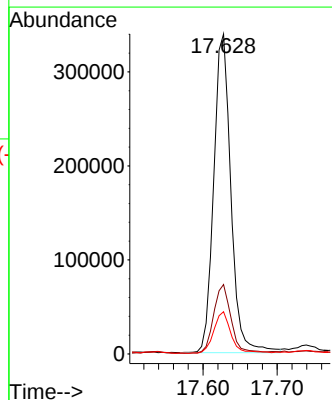
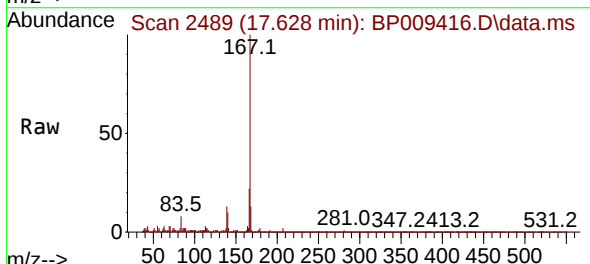
Instrument :
 BNA_P
 ClientSampleId :
 TP4(0-7)

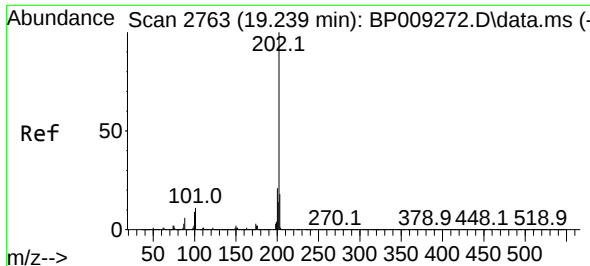
Tgt Ion:178 Resp: 1034732
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 15.6 12.2 18.4



#73
 Carbazole
 Concen: 5.843 ng
 RT: 17.628 min Scan# 2489
 Delta R.T. 0.006 min
 Lab File: BP009416.D
 Acq: 16 Mar 2022 01:16

Tgt Ion:167 Resp: 545172
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.2 25.8
 139 13.2 10.3 15.5

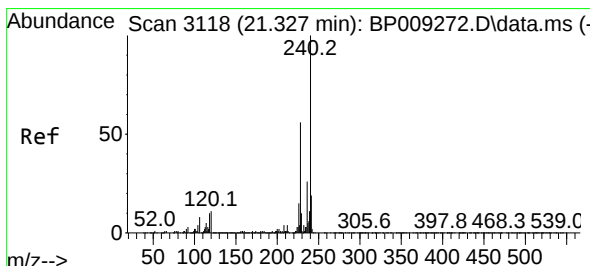
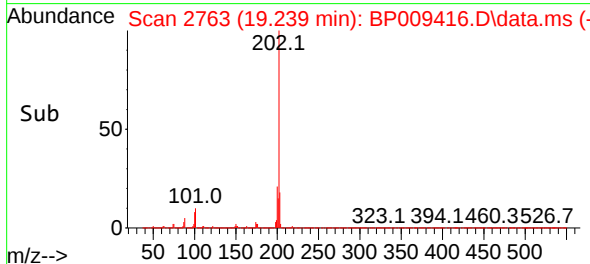
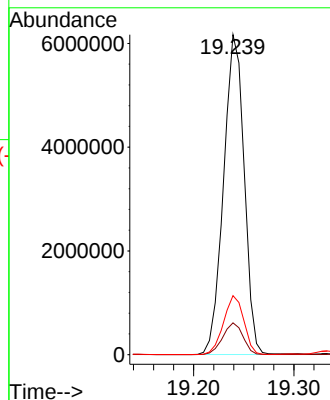
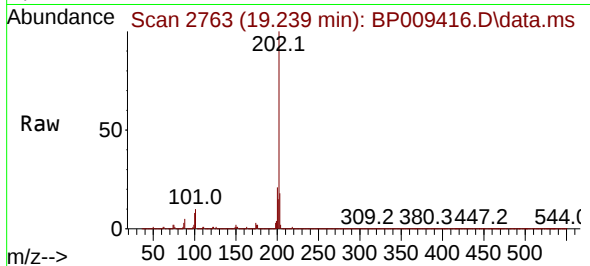




#75
Fluoranthene
Concen: 73.997 ng
RT: 19.239 min Scan# 2763
Delta R.T. -0.000 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

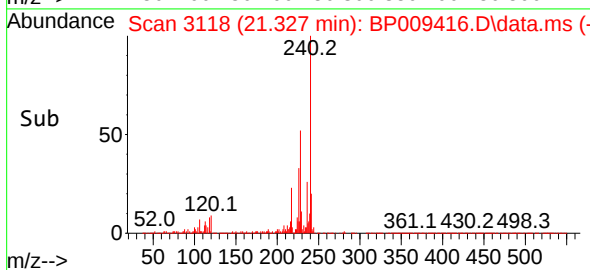
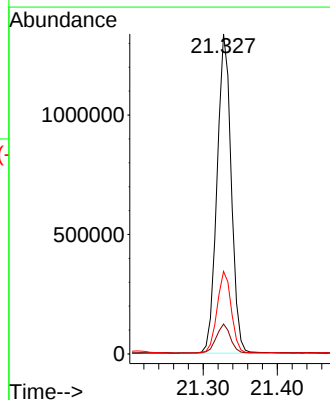
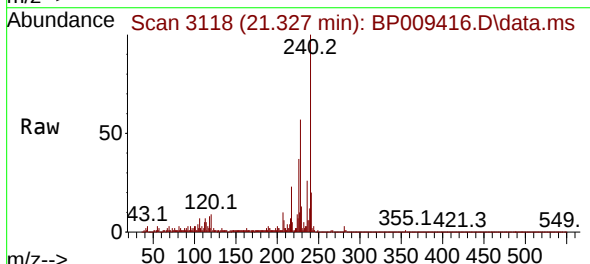
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

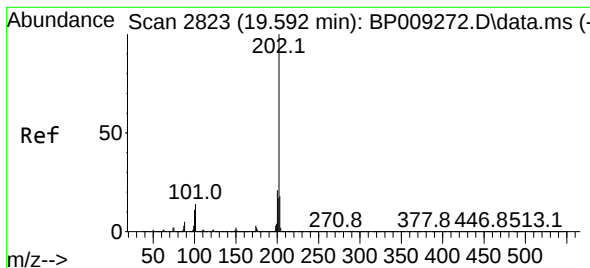
Tgt Ion:202 Resp: 8786796
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.5
203 18.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Tgt Ion:240 Resp: 1775352
Ion Ratio Lower Upper
240 100
120 9.3 9.0 13.4
236 25.8 20.6 30.8





#78

Pyrene

Concen: 57.057 ng

RT: 19.592 min Scan# 2823

Delta R.T. -0.000 min

Lab File: BP009416.D

Acq: 16 Mar 2022 01:16

Instrument :

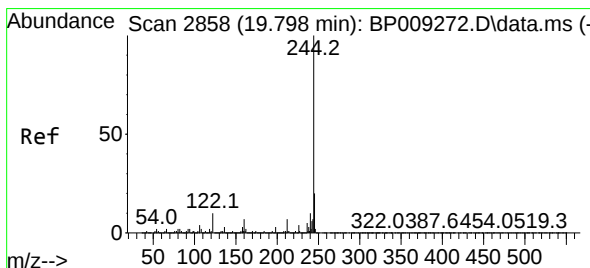
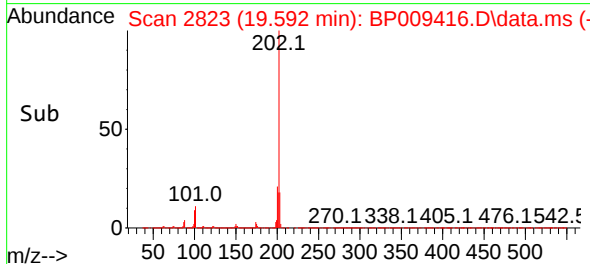
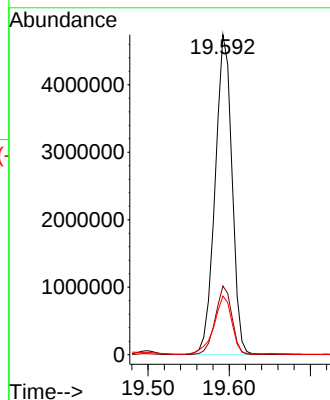
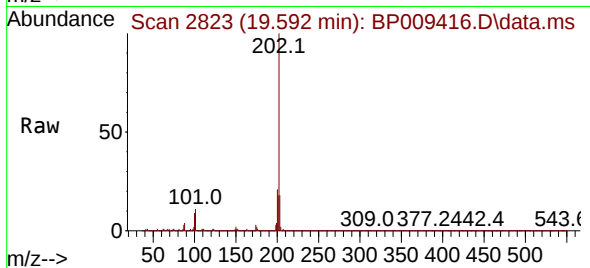
BNA_P

ClientSampleId :

TP4(0-7)

Tgt Ion:202 Resp: 6839279

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	18.3	14.2	21.4



#79

Terphenyl-d14

Concen: 24.979 ng

RT: 19.792 min Scan# 2857

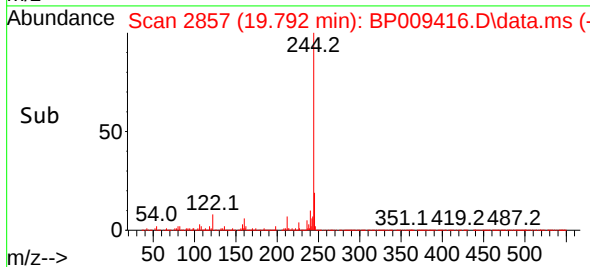
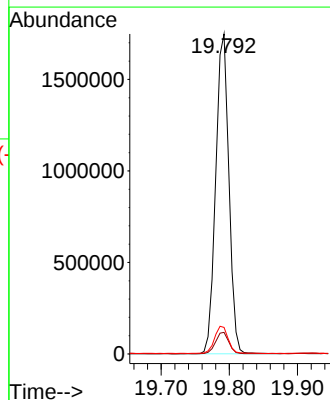
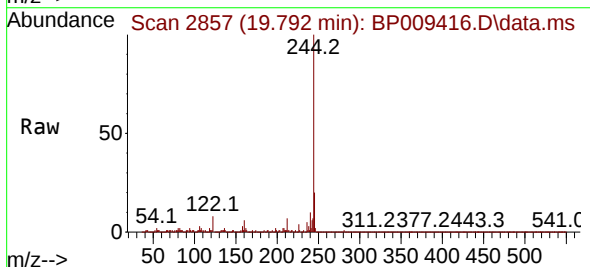
Delta R.T. -0.006 min

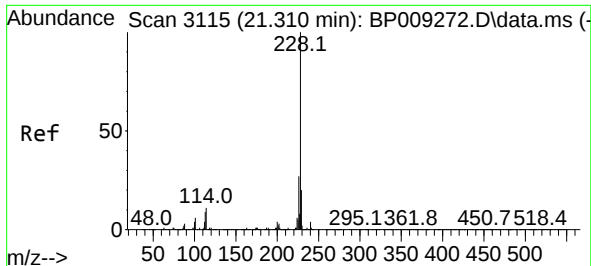
Lab File: BP009416.D

Acq: 16 Mar 2022 01:16

Tgt Ion:244 Resp: 2349927

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	8.3	8.3	12.5

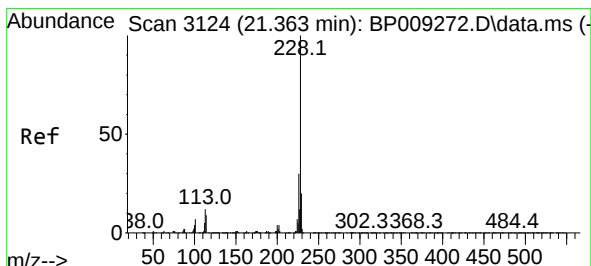
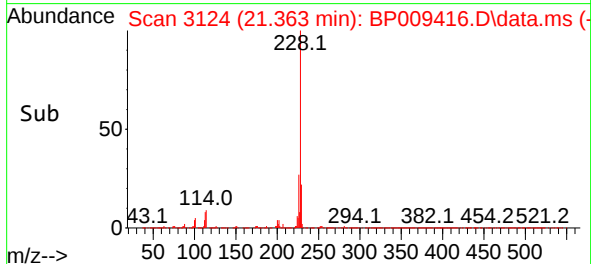
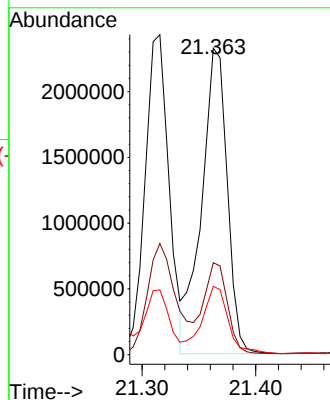
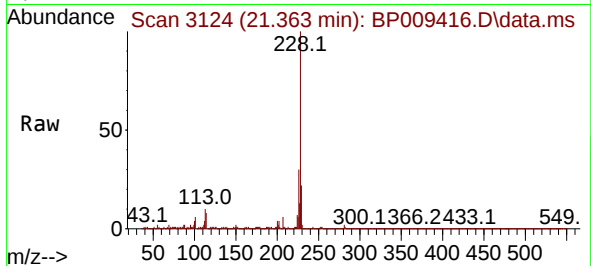




#81
Benzo(a)anthracene
Concen: 30.342 ng
RT: 21.363 min Scan# 3115
Delta R.T. 0.053 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

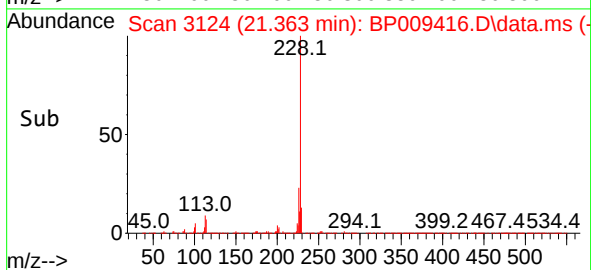
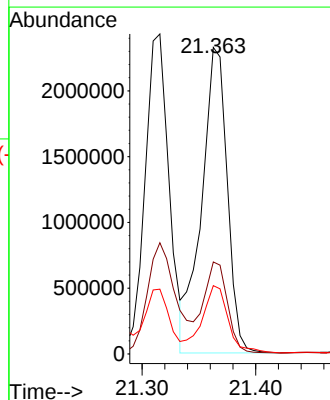
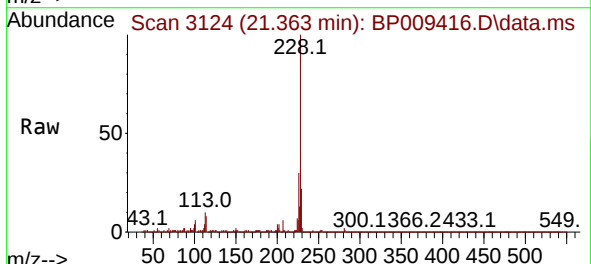
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

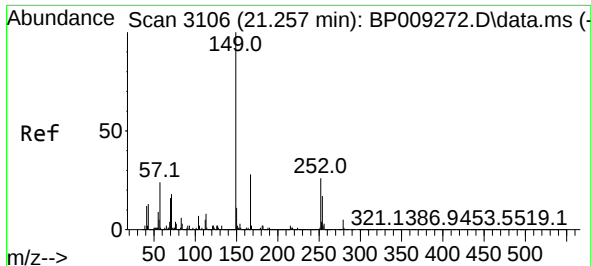
Tgt Ion:228 Resp: 3651175
Ion Ratio Lower Upper
228 100
226 30.0 22.0 33.0
229 22.3 16.1 24.1



#83
Chrysene
Concen: 31.252 ng
RT: 21.363 min Scan# 3124
Delta R.T. -0.000 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Tgt Ion:228 Resp: 3651175
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.2
229 22.3 16.1 24.1

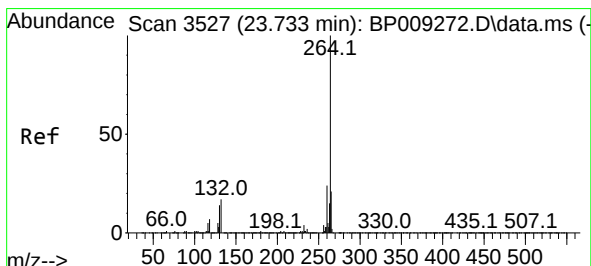
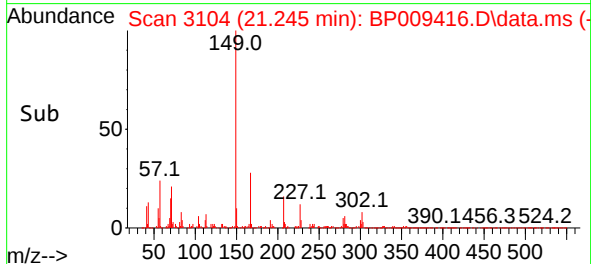
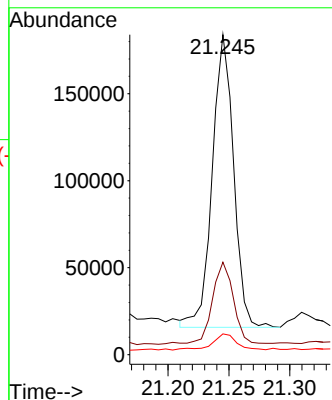
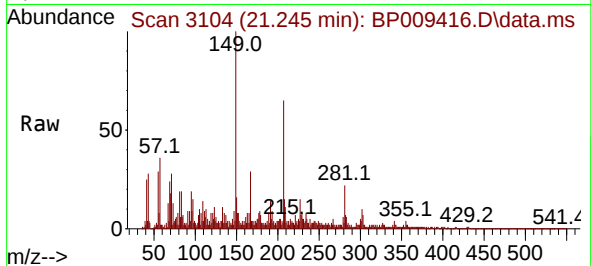




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.962 ng
RT: 21.245 min Scan# 3106
Delta R.T. -0.012 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

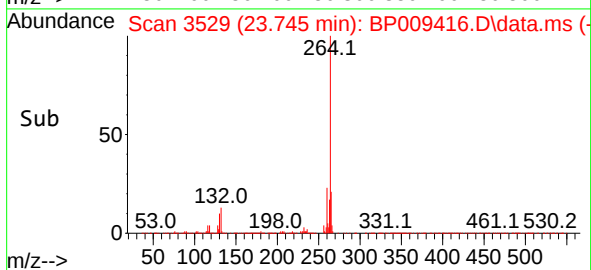
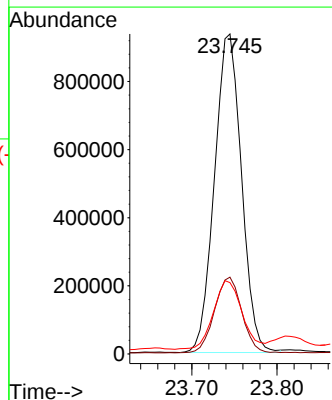
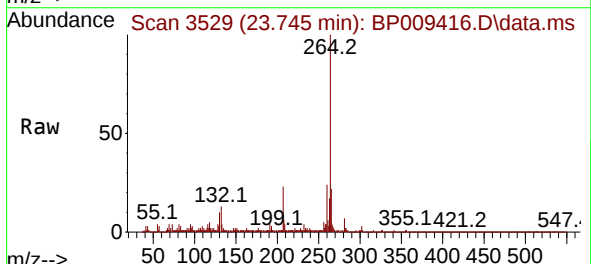
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

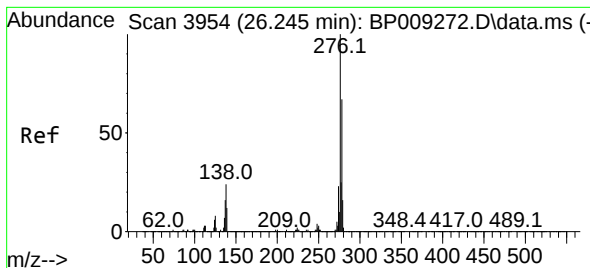
Tgt Ion:149 Resp: 204938
Ion Ratio Lower Upper
149 100
167 28.9 22.6 33.8
279 6.5 3.8 5.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.745 min Scan# 3529
Delta R.T. 0.012 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Tgt Ion:264 Resp: 2064034
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.0
265 22.3 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 18.152 ng

RT: 26.262 min Scan# 3405

Delta R.T. 0.018 min

Lab File: BP009416.D

Acq: 16 Mar 2022 01:16

Instrument :

BNA_P

ClientSampleId :

TP4(0-7)

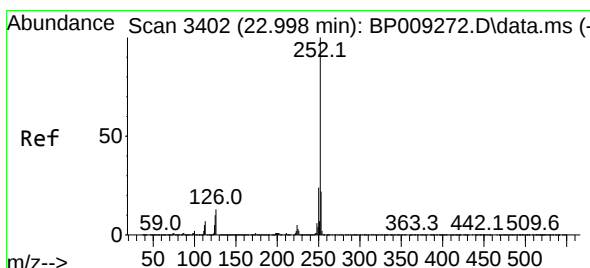
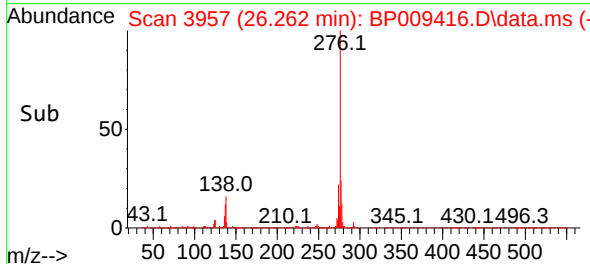
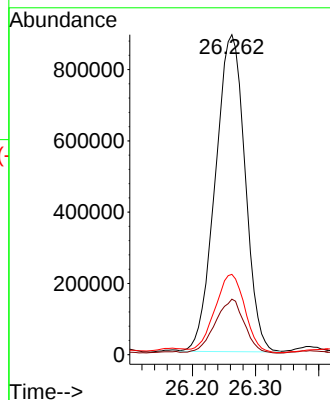
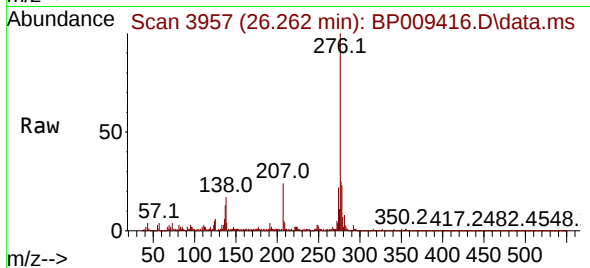
Tgt Ion:276 Resp: 2910917

Ion Ratio Lower Upper

276 100

138 16.7 20.5 30.7#

277 25.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 51.247 ng

RT: 23.015 min Scan# 3405

Delta R.T. 0.018 min

Lab File: BP009416.D

Acq: 16 Mar 2022 01:16

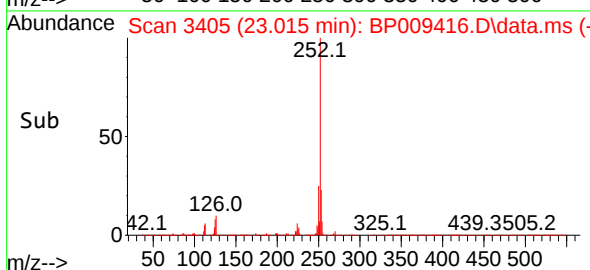
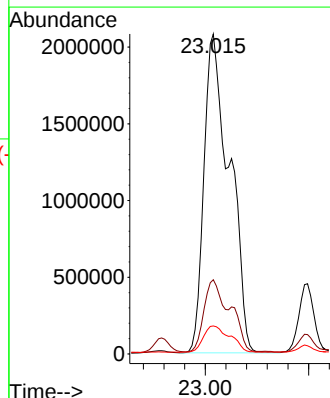
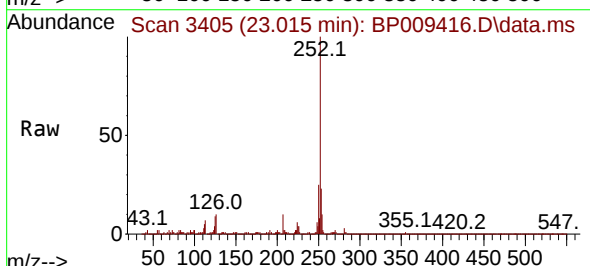
Tgt Ion:252 Resp: 7141849

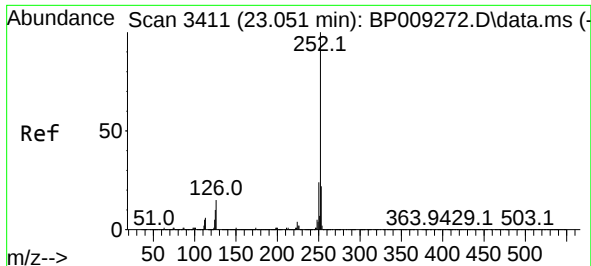
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 8.8 8.1 12.1

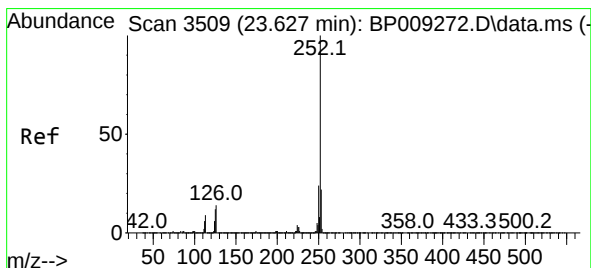
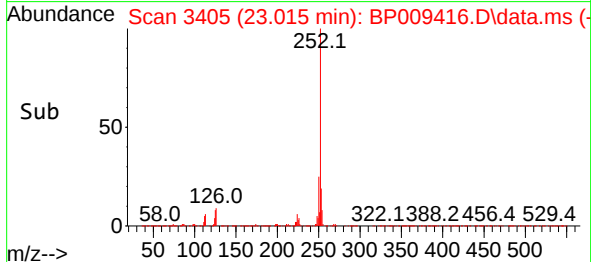
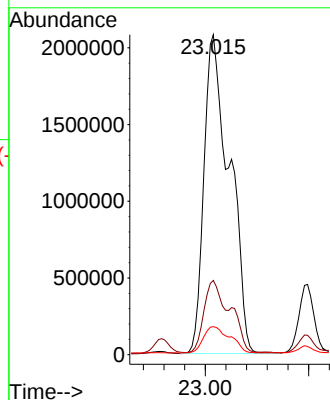
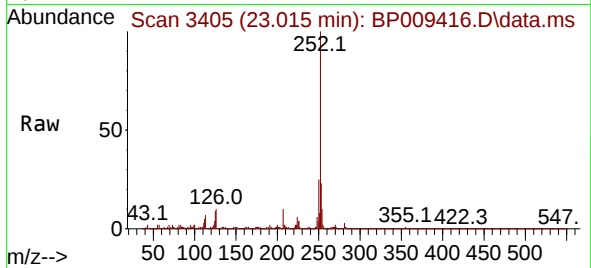




#89
Benzo(k)fluoranthene
Concen: 53.646 ng
RT: 23.015 min Scan# 3411
Delta R.T. -0.035 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

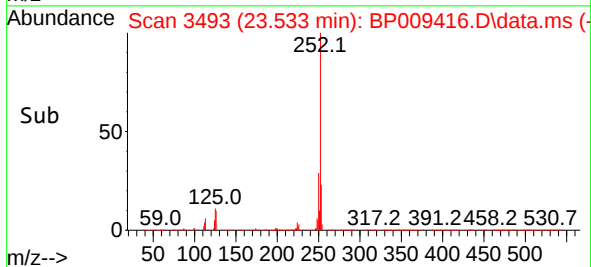
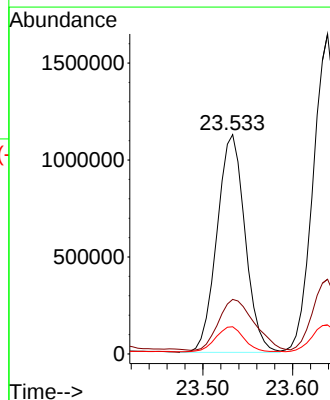
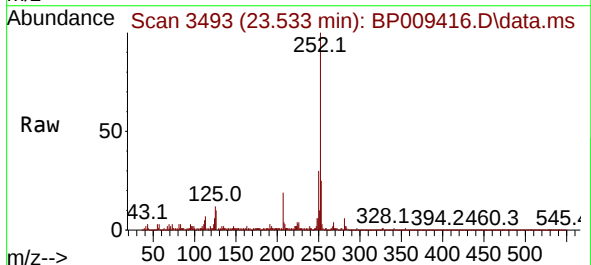
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

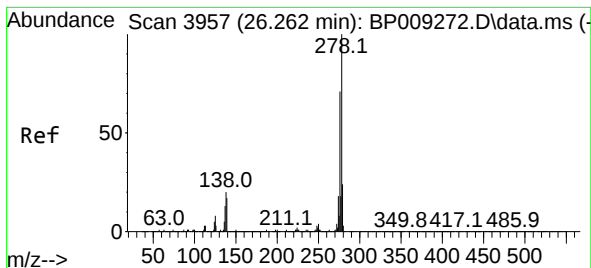
Tgt Ion:252 Resp: 7142256
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 8.8 8.3 12.5



#90
Benzo(a)pyrene
Concen: 18.415 ng
RT: 23.533 min Scan# 3493
Delta R.T. -0.094 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Tgt Ion:252 Resp: 2434021
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.6
125 12.4 9.3 13.9





#91

Dibenzo(a,h)anthracene

Concen: 5.349 ng

RT: 26.268 min Scan# 3957

Delta R.T. 0.006 min

Lab File: BP009416.D

Acq: 16 Mar 2022 01:16

Instrument :

BNA_P

ClientSampleId :

TP4(0-7)

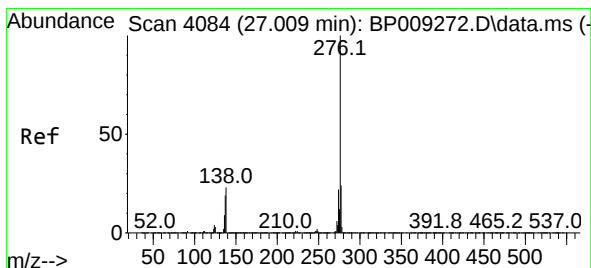
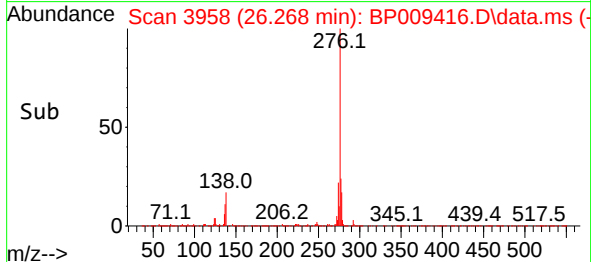
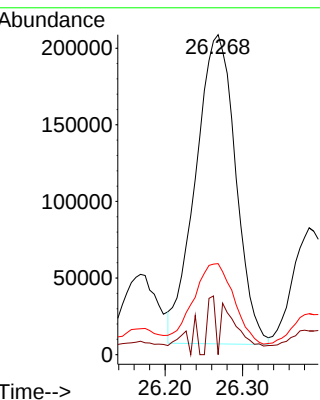
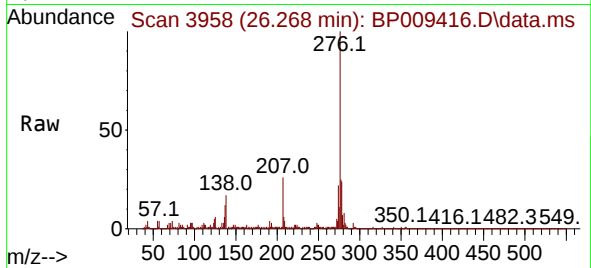
Tgt Ion:278 Resp: 727326

Ion Ratio Lower Upper

278 100

139 0.0 13.2 19.8#

279 28.4 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 20.608 ng

RT: 27.039 min Scan# 4089

Delta R.T. 0.029 min

Lab File: BP009416.D

Acq: 16 Mar 2022 01:16

Tgt Ion:276 Resp: 2768352

Ion Ratio Lower Upper

276 100

277 23.6 19.2 28.8

138 16.9 18.0 27.0#

