

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
 Data File : BP003405.D
 Acq On : 29 Sep 2020 18:29
 Operator : CG/JU
 Sample : L4154-10DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-5(13-15)DL

Quant Time: Sep 29 18:57:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 17:55:44 2020
 Response via : Initial Calibration

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

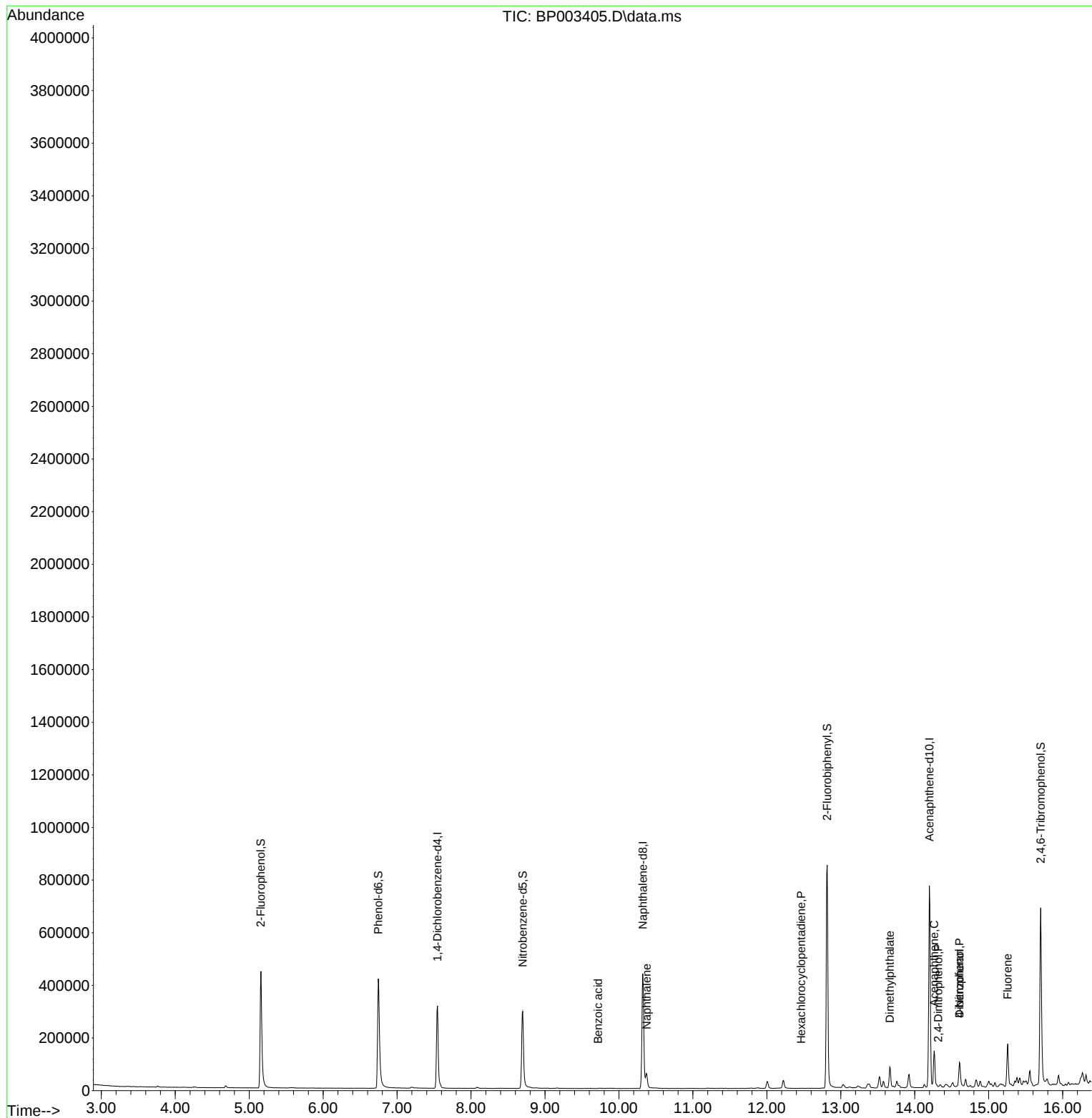
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	88673	20.00	ng	0.00
21) Naphthalene-d8	10.322	136	388026	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	253682	20.00	ng	-0.01
64) Phenanthrene-d10	16.957	188	575617	20.00	ng	# 0.00
76) Chrysene-d12	21.063	240	679615	20.00	ng	-0.01
86) Perylene-d12	23.257	264	823891	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.158	112	235376	46.35	ng	0.00
7) Phenol-d6	6.746	99	319222	47.16	ng	0.00
23) Nitrobenzene-d5	8.699	82	209732	31.75	ng	0.00
42) 2,4,6-Tribromophenol	15.704	330	129645	33.51	ng	0.00
45) 2-Fluorobiphenyl	12.816	172	464195	26.76	ng	0.00
79) Terphenyl-d14	19.539	244	698651	21.42	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.375	128	45509	2.22	ng	99
32) Benzoic acid	9.716	122	56	9.17	ng	# 52
41) Hexachlorocyclopentadiene	12.463	237	30	6.85	ng	77
50) Dimethylphthalate	13.663	163	57829	2.85	ng	100
52) Acenaphthene	14.263	154	46691	3.20	ng	98
54) 2,4-Dinitrophenol	14.316	184	41	7.27	ng	# 1
55) Dibenzofuran	14.604	168	53338	2.29	ng	92
56) 4-Nitrophenol	14.604	139	21254	7.39	ng	# 21
58) Fluorene	15.257	166	66402	3.62	ng	97
70) Pentachlorophenol	16.622	266	26	6.78	ng	89
71) Phenanthrene	16.998	178	1202372	38.39	ng	99
72) Anthracene	17.092	178	319467	10.35	ng	99
73) Carbazole	17.369	167	130944	4.47	ng	100
75) Fluoranthene	18.986	202	1820667	46.23	ng	99
78) Pyrene	19.339	202	1613652	38.07	ng	100
81) Benzo(a)anthracene	21.045	228	980258	22.31	ng	99
83) Chrysene	21.098	228	852084	20.19	ng	98
87) Indeno(1,2,3-cd)pyrene	25.474	276	598795	9.59	ng	95
88) Benzo(b)fluoranthene	22.598	252	1607049	30.89	ng	99
89) Benzo(k)fluoranthene	22.598	252	1607049	32.23	ng	99
90) Benzo(a)pyrene	23.157	252	910015	18.55	ng	97
91) Dibenzo(a,h)anthracene	25.727	278	135111	2.62	ng	97
92) Benzo(g,h,i)perylene	26.156	276	560643	10.90	ng	98

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

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BNA_P
ClientSampleId :
B-5(13-15)DL

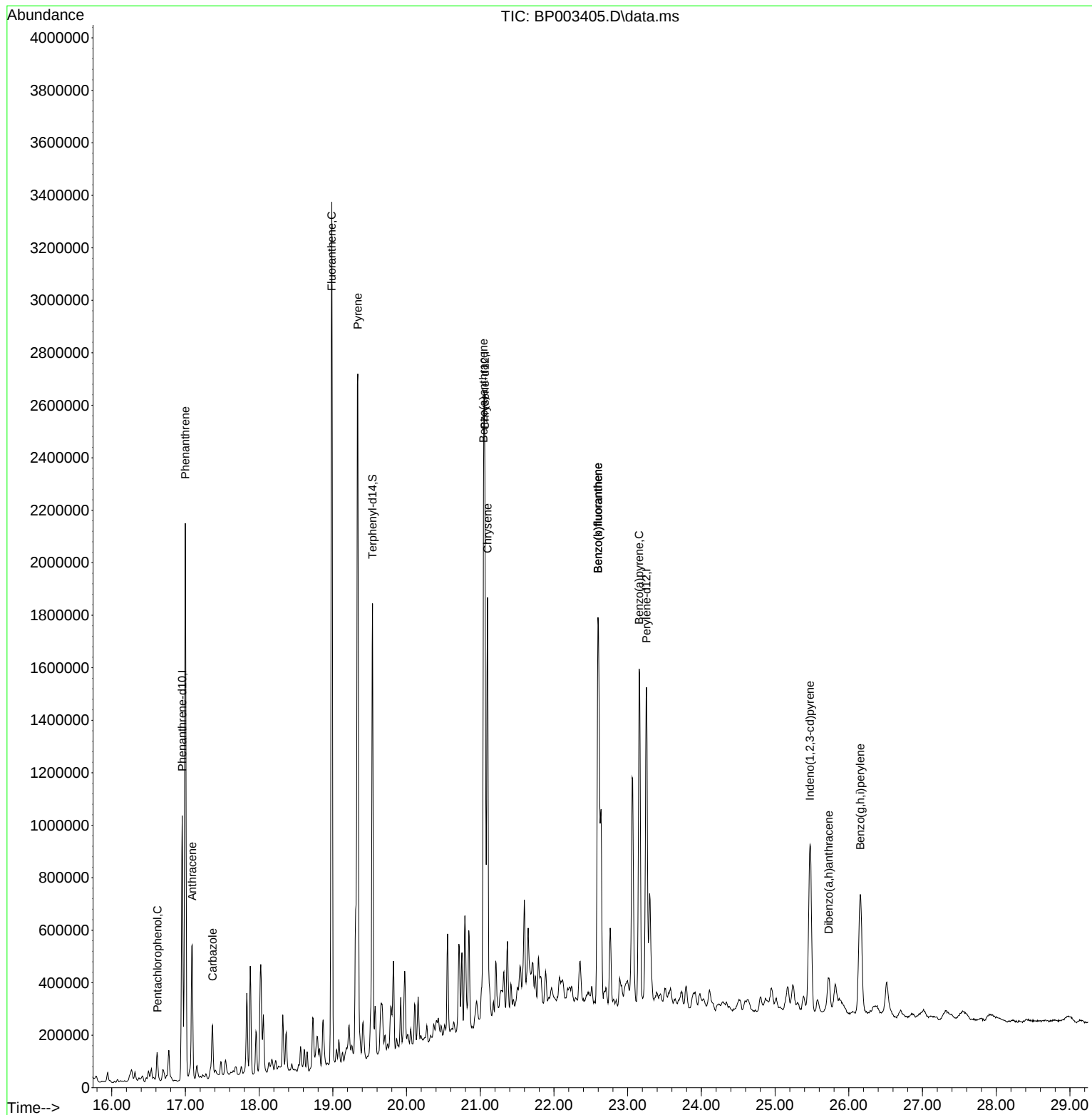
Quant Time: Sep 29 18:57:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 17:55:44 2020
Response via : Initial Calibration

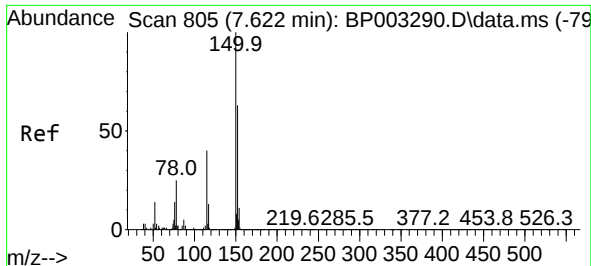


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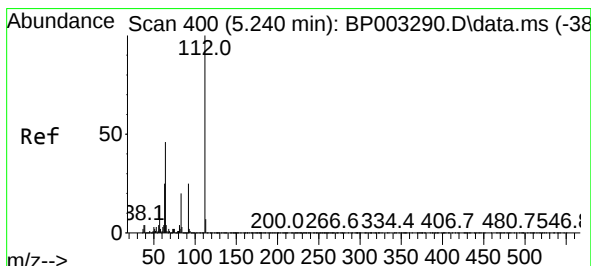
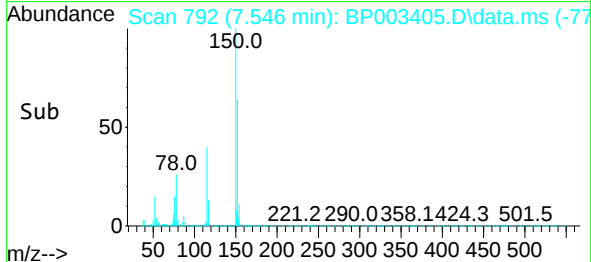
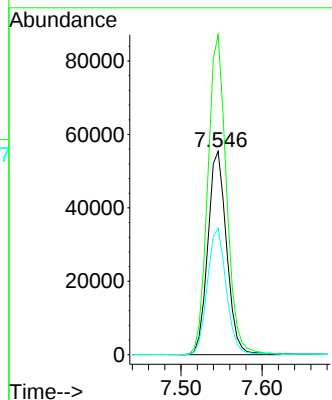
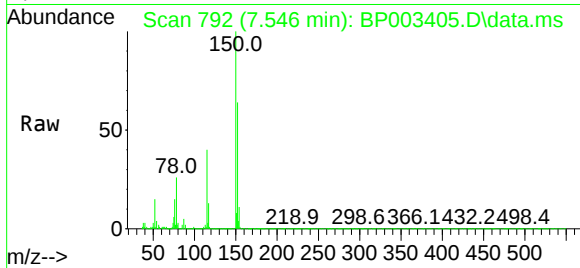




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.546 min Scan# 792
Delta R.T. -0.000 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

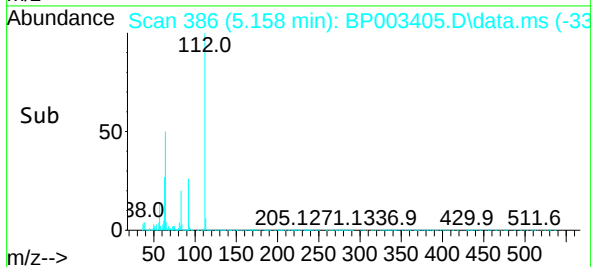
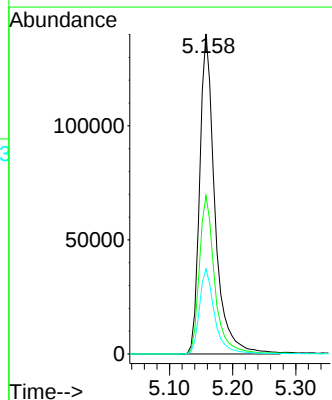
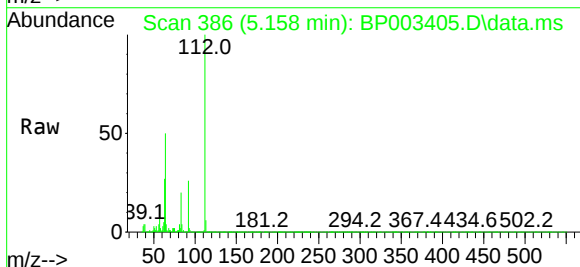
Instrument :
BNA_P
ClientSampleId :
B-5(13-15)DL

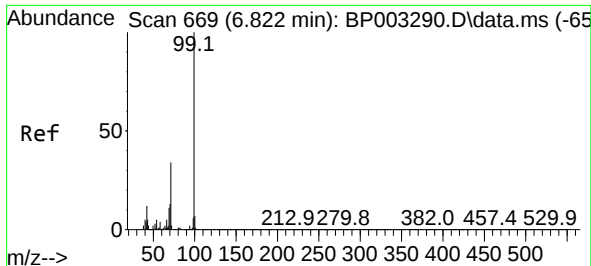
Tgt Ion:152 Resp: 88673
Ion Ratio Lower Upper
152 100
150 157.4 123.8 185.6
115 62.3 43.8 65.6



#5
2-Fluorophenol
Concen: 46.35 ng
RT: 5.158 min Scan# 386
Delta R.T. -0.006 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion:112 Resp: 235376
Ion Ratio Lower Upper
112 100
64 49.5 32.8 49.2#
63 26.6 17.0 25.4#

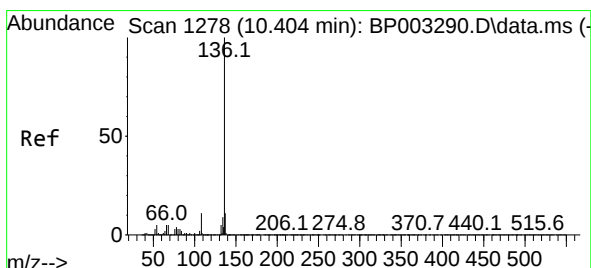
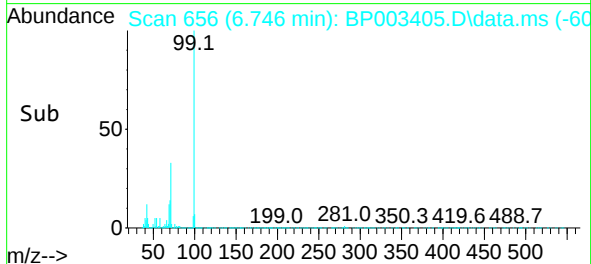
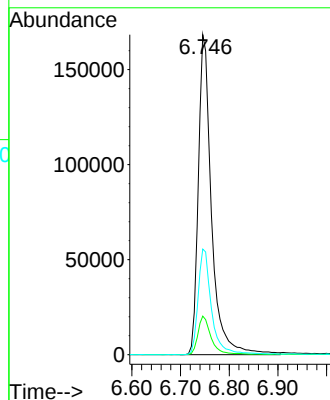
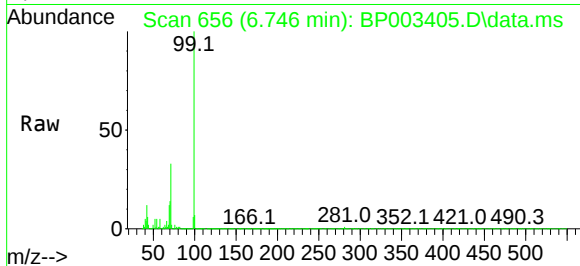




#7
Phenol-d6
Concen: 47.16 ng
RT: 6.746 min Scan# 656
Delta R.T. -0.006 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

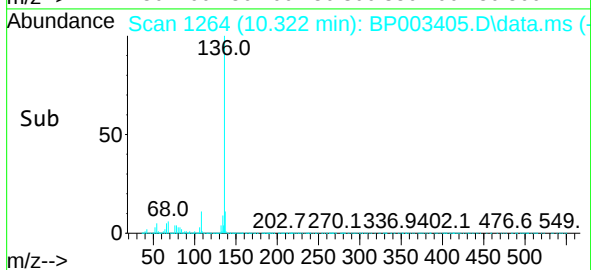
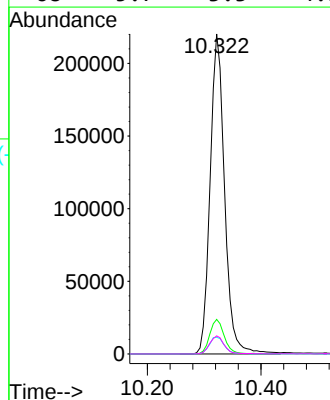
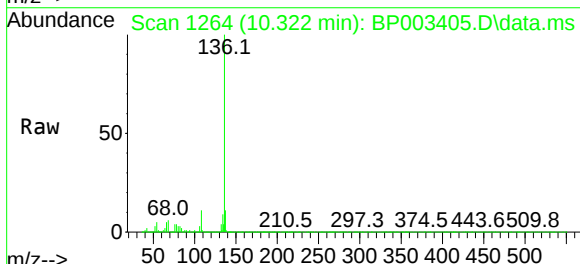
Instrument :
BNA_P
ClientSampleId :
B-5(13-15)DL

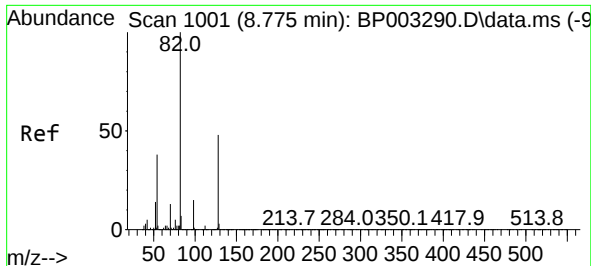
Tgt Ion: 99 Resp: 319222
Ion Ratio Lower Upper
99 100
42 12.0 8.6 13.0
71 33.0 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.322 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion: 136 Resp: 388026
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 5.2 3.6 5.4
68 5.7 3.3 4.9

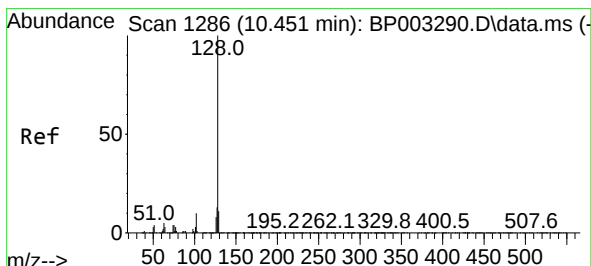
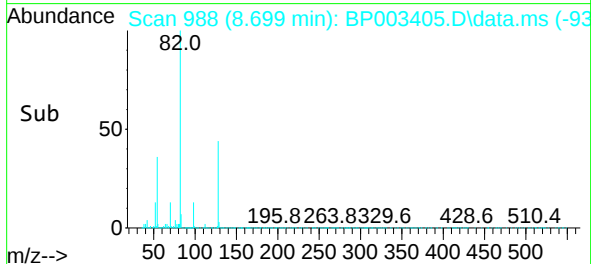
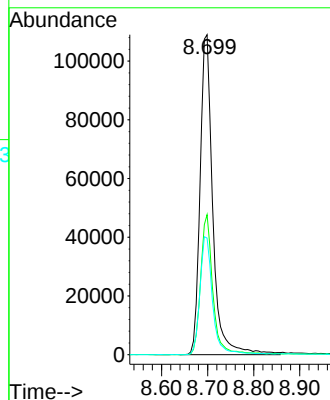
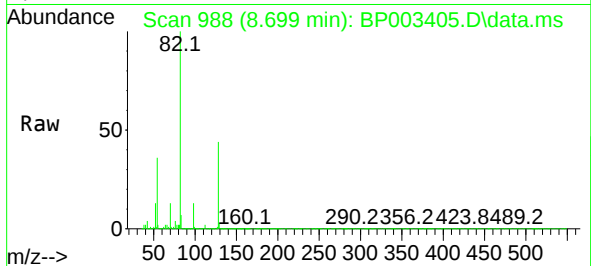




#23
Nitrobenzene-d5
Concen: 31.75 ng
RT: 8.699 min Scan# 988
Delta R.T. -0.006 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

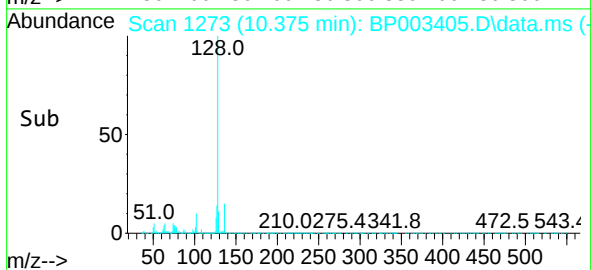
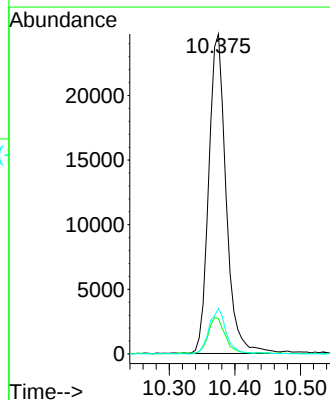
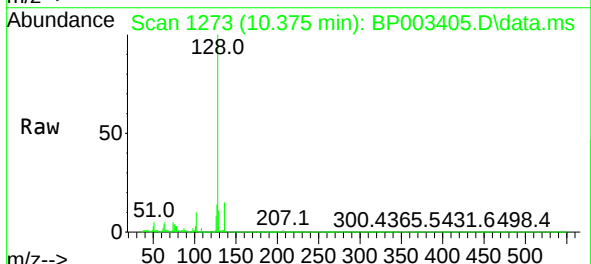
Instrument :
BNA_P
ClientSampleId :
B-5(13-15)DL

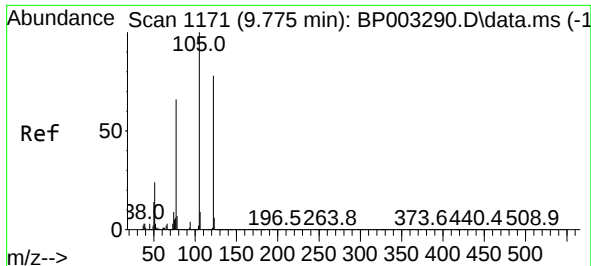
Tgt Ion: 82 Resp: 209732
Ion Ratio Lower Upper
82 100
128 43.8 45.6 68.4#
54 36.5 30.1 45.1



#31
Naphthalene
Concen: 2.22 ng
RT: 10.375 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion: 128 Resp: 45509
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 14.2 10.6 15.8

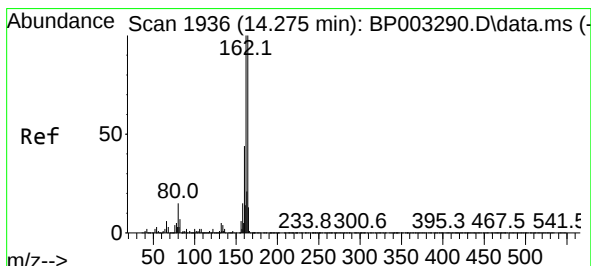
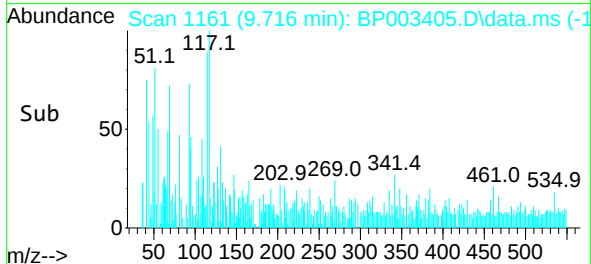
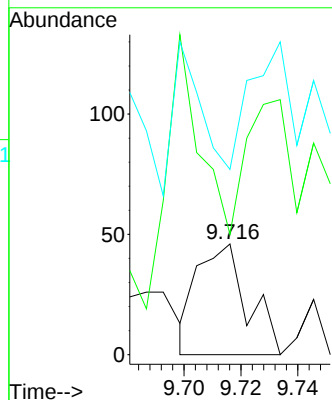
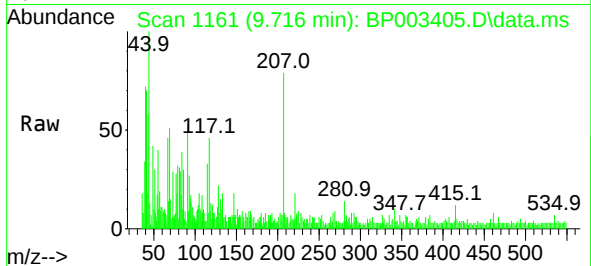




#32
Benzoic acid
Concen: 9.17 ng
RT: 9.716 min Scan# 1161
Delta R.T. -0.018 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

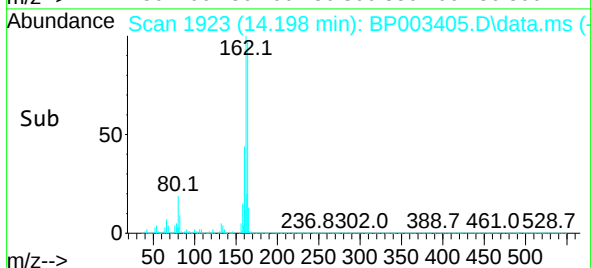
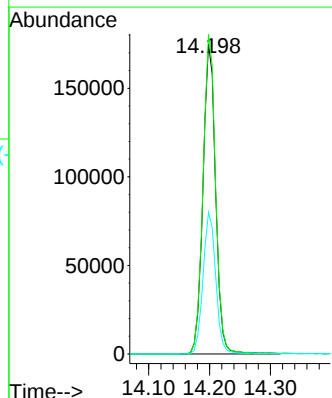
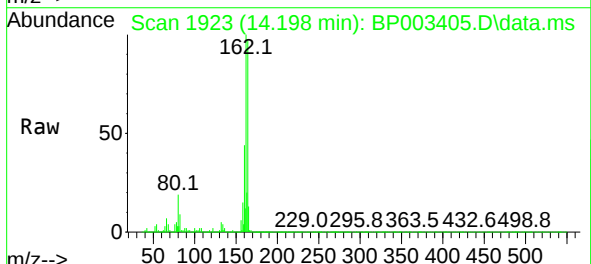
Instrument :
BNA_P
ClientSampled :
B-5(13-15)DL

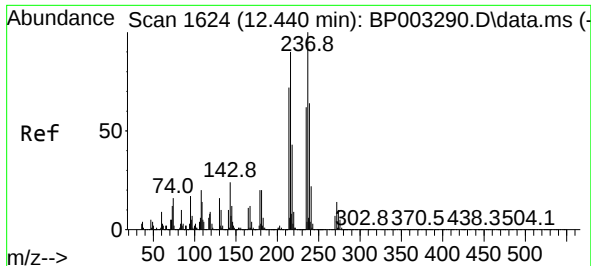
Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 108.7 94.1 134.1
77 167.4 50.1 90.1#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion:164 Resp: 253682
Ion Ratio Lower Upper
164 100
162 103.2 79.4 119.2
160 45.7 36.1 54.1

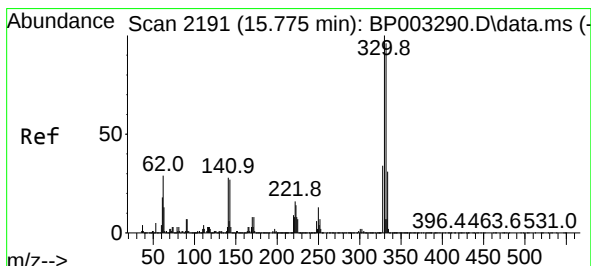
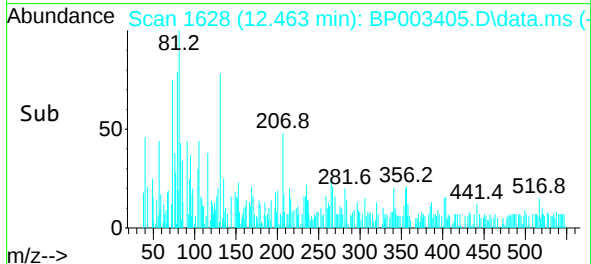
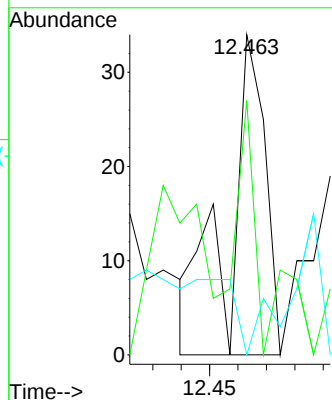
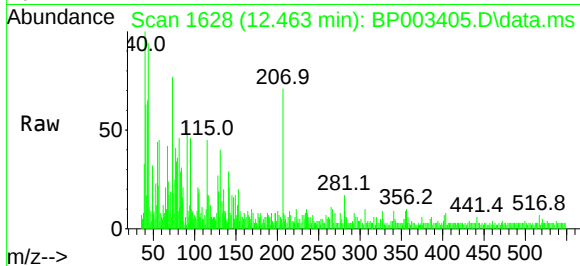




#41
Hexachlorocyclopentadiene
Concen: 6.85 ng
RT: 12.463 min Scan# 1628
Delta R.T. 0.094 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

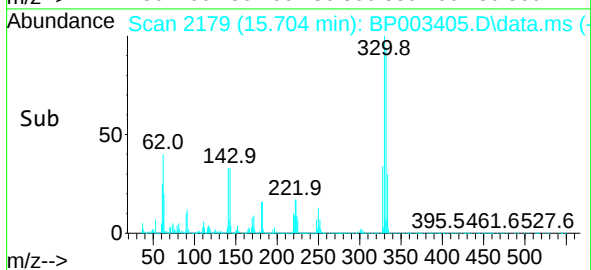
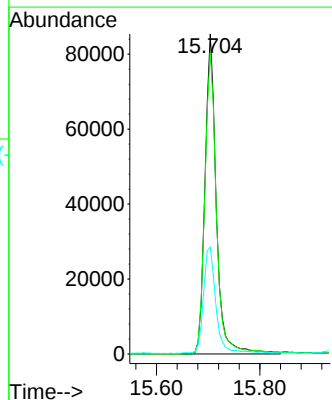
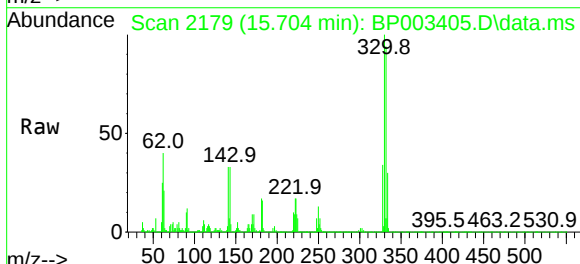
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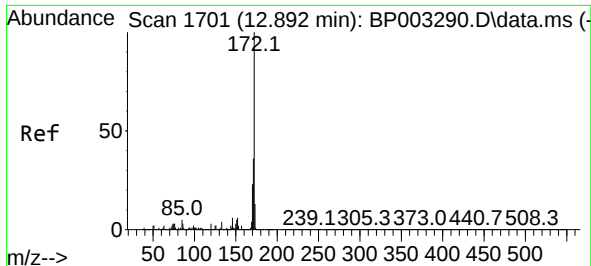
Tgt Ion:	237	Resp:	30
Ion	Ratio	Lower	Upper
237	100		
235	79.4	43.2	83.2
272	0.0	0.0	33.3



#42
2,4,6-Tribromophenol
Concen: 33.51 ng
RT: 15.704 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion:	330	Resp:	129645
Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.1	115.7
141	37.4	23.4	35.2#

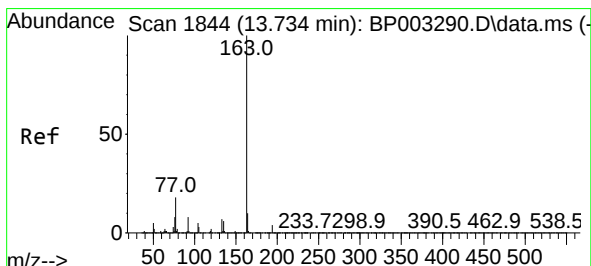
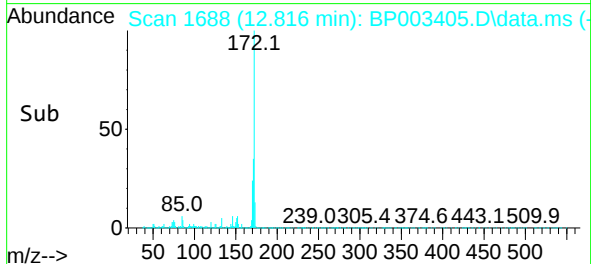
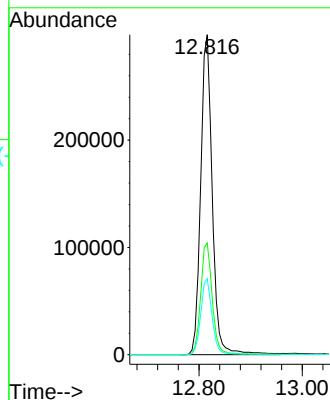
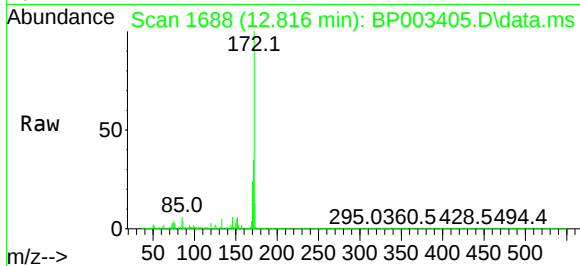




#45
2-Fluorobiphenyl
Concen: 26.76 ng
RT: 12.816 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

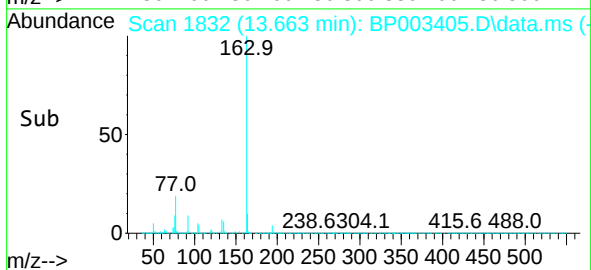
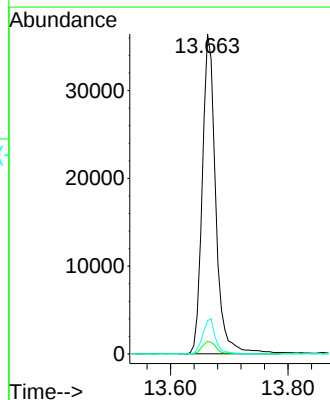
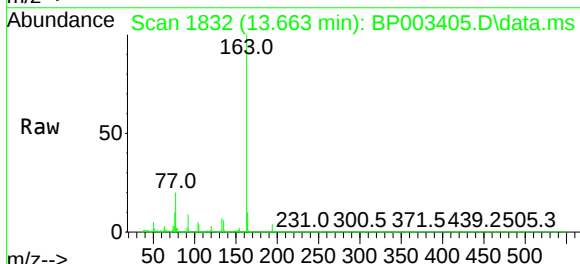
Instrument :
BNA_P
ClientSampleId :
B-5(13-15)DL

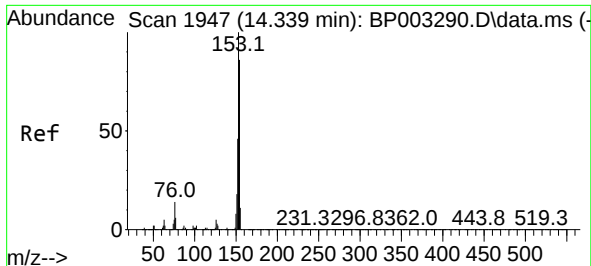
Tgt Ion:172 Resp: 464195
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.7 19.2 28.8



#50
Dimethylphthalate
Concen: 2.85 ng
RT: 13.663 min Scan# 1832
Delta R.T. -0.012 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion:163 Resp: 57829
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.3 8.2 12.2

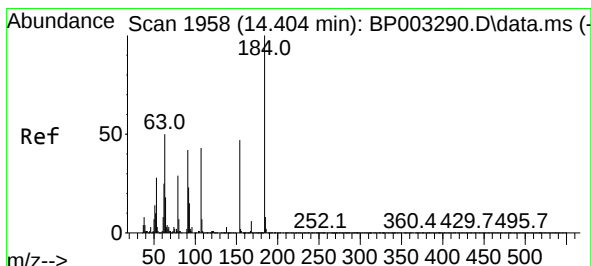
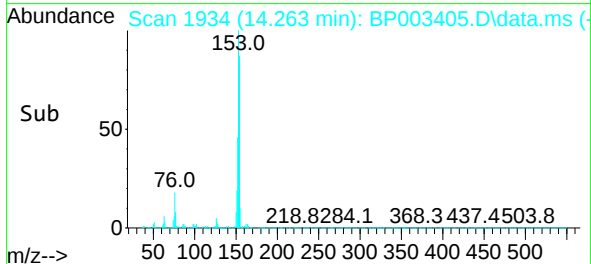
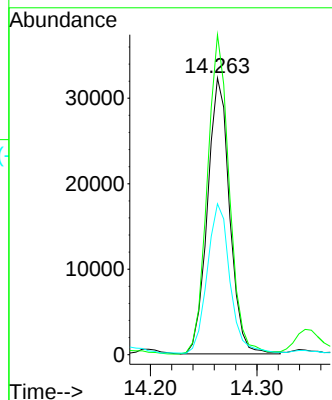
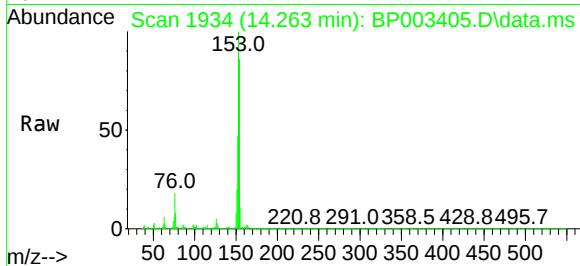




#52
Acenaphthene
Concen: 3.20 ng
RT: 14.263 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

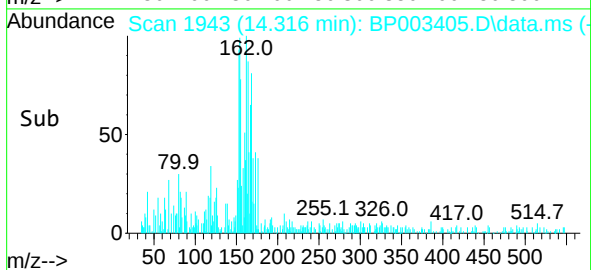
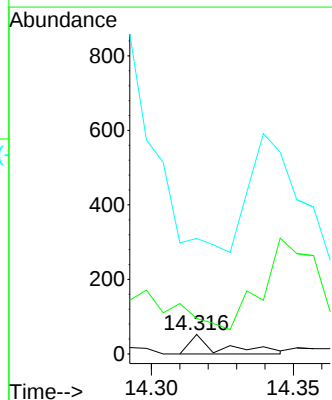
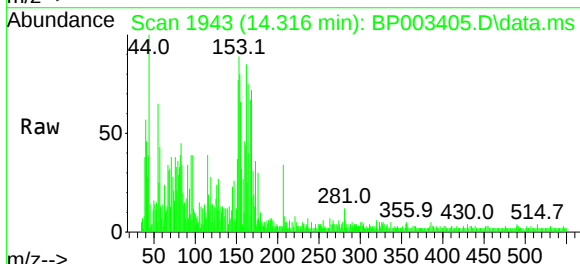
Instrument :
BNA_P
ClientSampleID :
B-5(13-15)DL

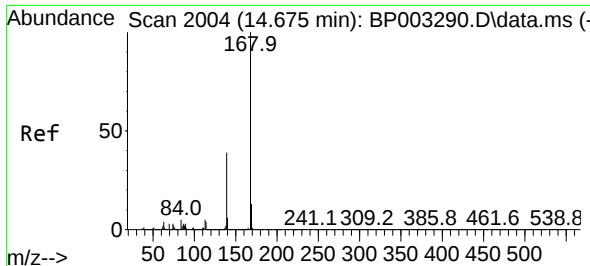
Tgt Ion:154 Resp: 46691
Ion Ratio Lower Upper
154 100
153 115.7 91.0 136.6
152 54.5 43.0 64.6



#54
2,4-Dinitrophenol
Concen: 7.27 ng
RT: 14.316 min Scan# 1943
Delta R.T. -0.041 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion:184 Resp: 41
Ion Ratio Lower Upper
184 100
63 182.7 32.3 48.5#
154 596.2 49.1 73.7#

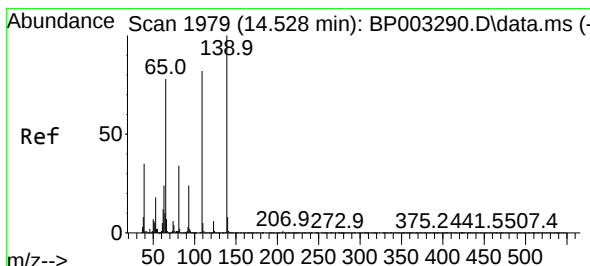
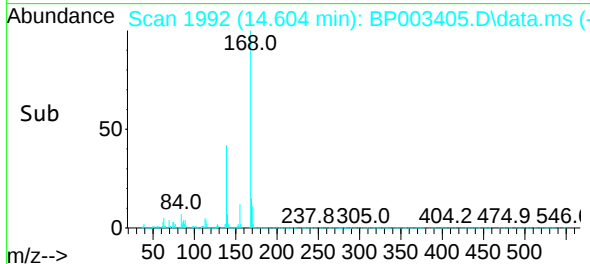
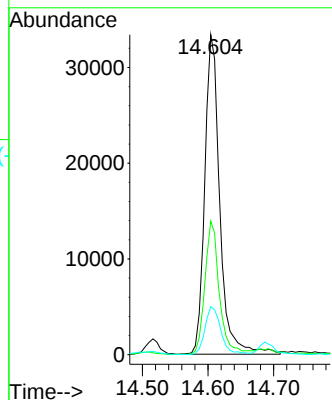
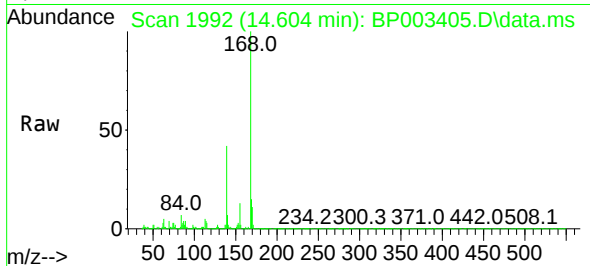




#55
Dibenzenofuran
Concen: 2.29 ng
RT: 14.604 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

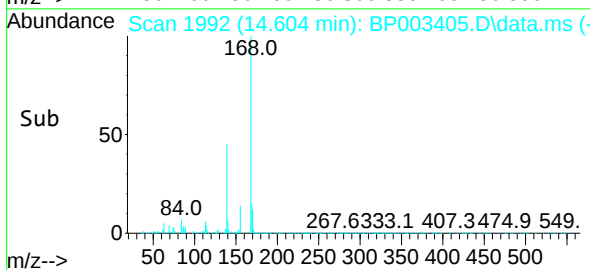
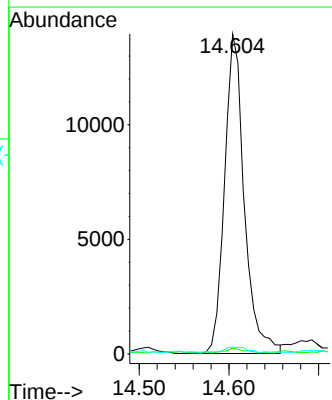
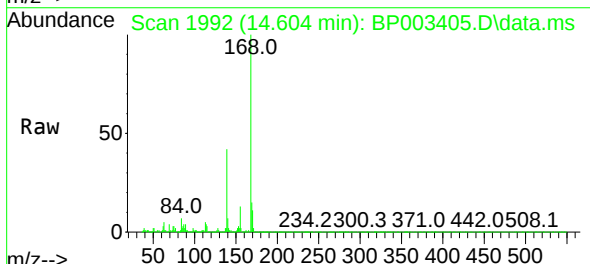
Instrument :
BNA_P
ClientSampleId :
B-5(13-15)DL

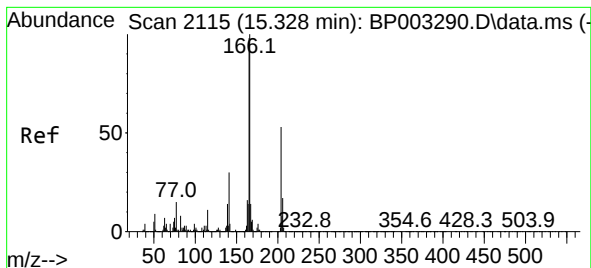
Tgt Ion:168 Resp: 53338
Ion Ratio Lower Upper
168 100
139 41.8 29.1 43.7
169 15.1 10.4 15.6



#56
4-Nitrophenol
Concen: 7.39 ng
RT: 14.604 min Scan# 1992
Delta R.T. 0.124 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion:139 Resp: 21254
Ion Ratio Lower Upper
139 100
109 1.9 44.6 84.6#
65 2.1 41.6 81.6#





#58

Fluorene

Concen: 3.62 ng

RT: 15.257 min Scan# 2103

Delta R.T. -0.006 min

Lab File: BP003405.D

Acq: 29 Sep 2020 18:29

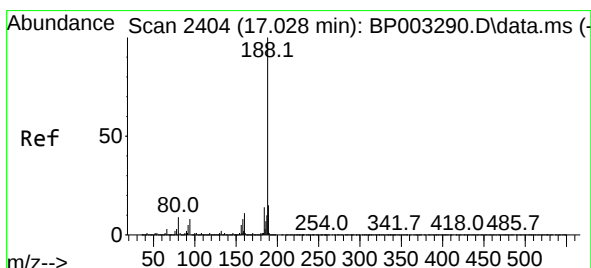
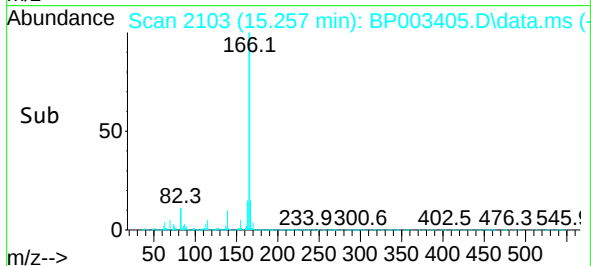
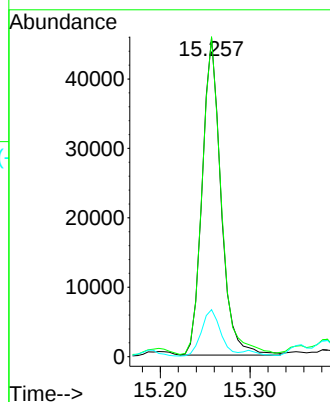
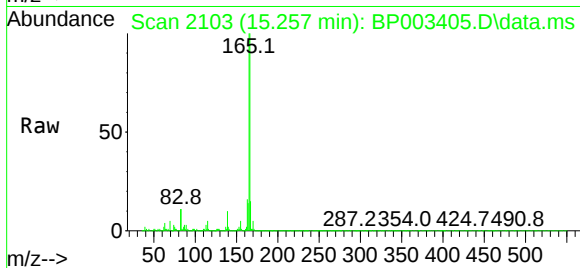
Instrument :

BNA_P

ClientSampleId :

B-5(13-15)DL

Tgt Ion:166	Resp: 66402
Ion Ratio	Lower Upper
166	100
165	100.4 77.8 116.8
167	14.8 11.0 16.4



#64

Phenanthrene-d10

Concen: 20.00 ng

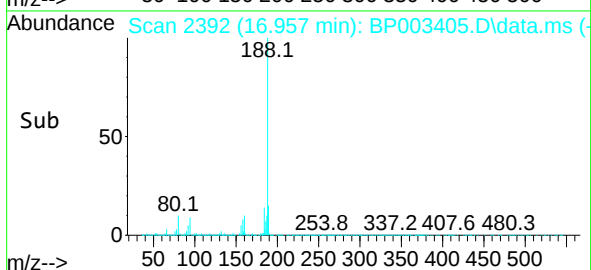
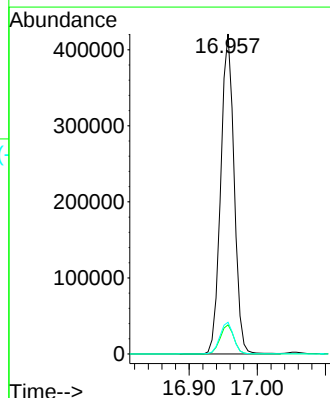
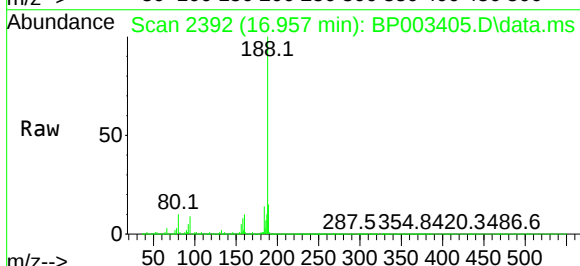
RT: 16.957 min Scan# 2392

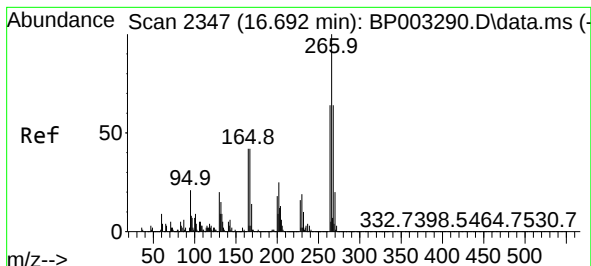
Delta R.T. -0.006 min

Lab File: BP003405.D

Acq: 29 Sep 2020 18:29

Tgt Ion:188	Resp: 575617
Ion Ratio	Lower Upper
188	100
94	9.1 6.2 9.2
80	9.9 6.2 9.2#

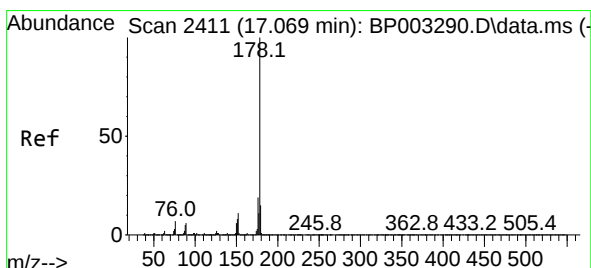
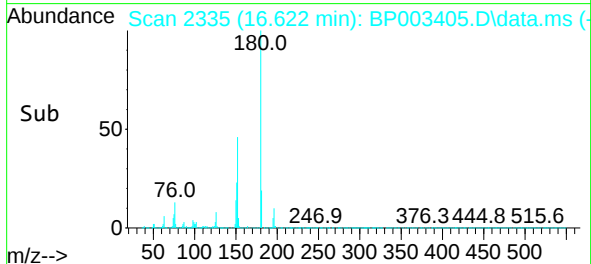
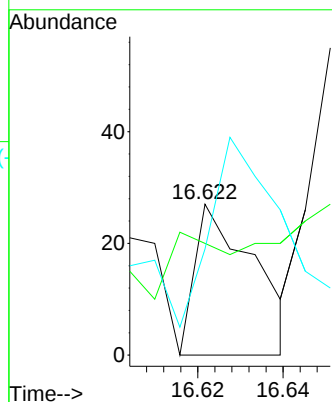
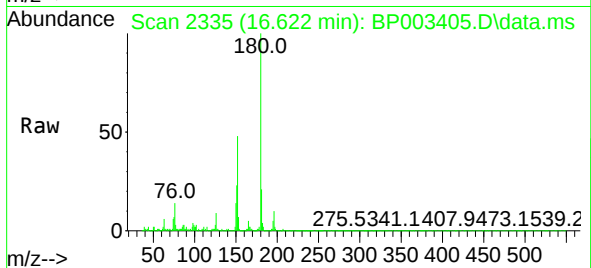




#70
Pentachlorophenol
Concen: 6.78 ng
RT: 16.622 min Scan# 2335
Delta R.T. -0.018 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

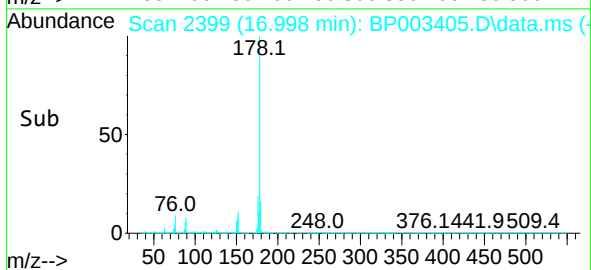
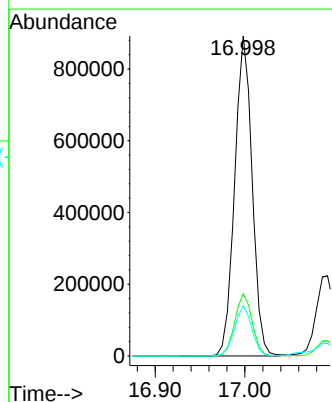
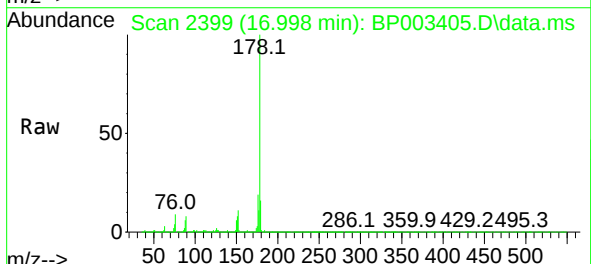
Instrument :
BNA_P
ClientSampleId :
B-5(13-15)DL

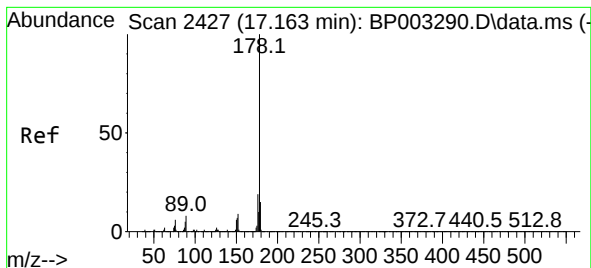
Tgt Ion:266 Resp: 26
Ion Ratio Lower Upper
266 100
268 74.1 51.1 76.7
264 70.4 50.6 76.0



#71
Phenanthrene
Concen: 38.39 ng
RT: 16.998 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion:178 Resp: 1202372
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.8 12.5 18.7





#72

Anthracene

Concen: 10.35 ng

RT: 17.092 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BP003405.D

Acq: 29 Sep 2020 18:29

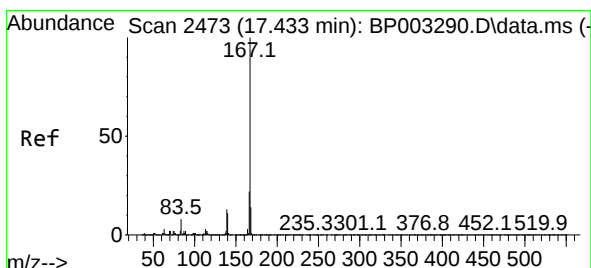
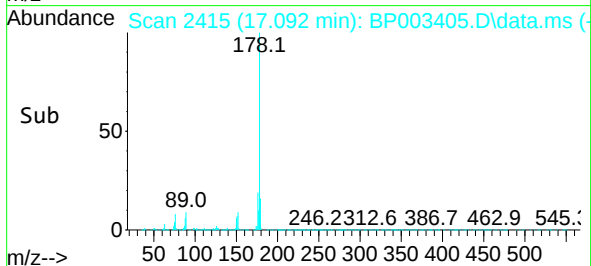
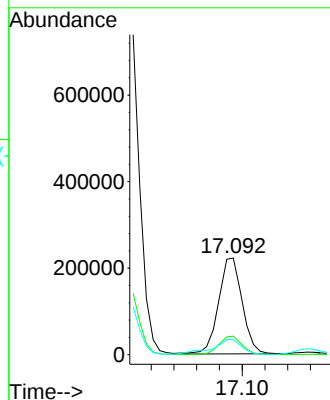
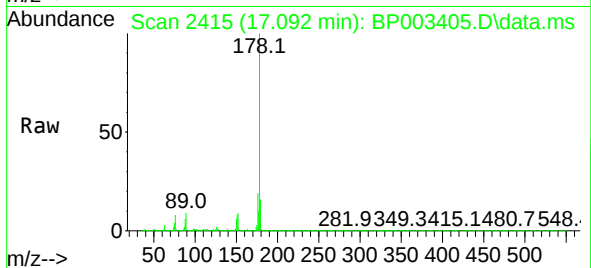
Tgt Ion:178	Resp:	319467
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.0 22.4
179	15.6	12.5 18.7

Instrument :

BNA_P

ClientSampleId :

B-5(13-15)DL



#73

Carbazole

Concen: 4.47 ng

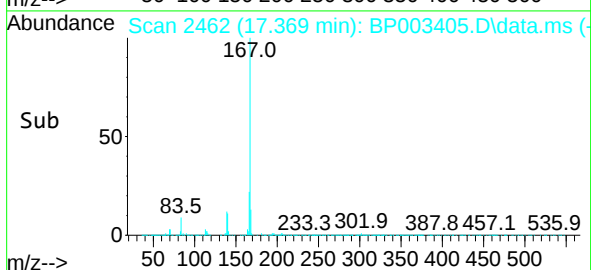
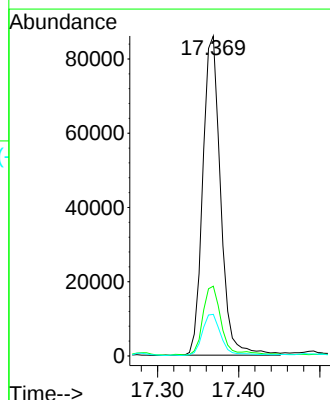
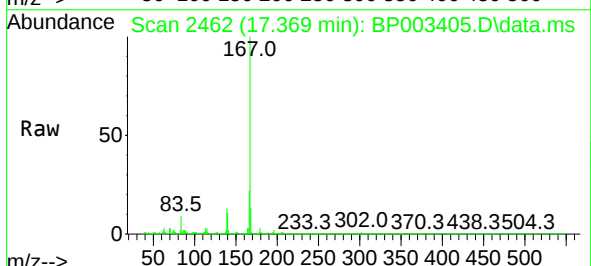
RT: 17.369 min Scan# 2462

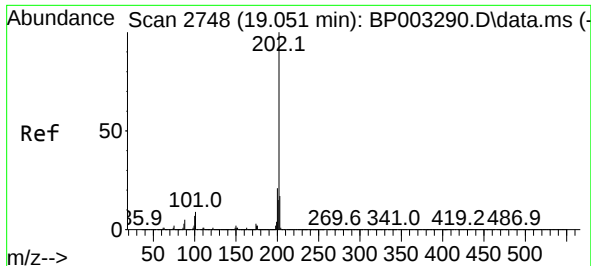
Delta R.T. -0.006 min

Lab File: BP003405.D

Acq: 29 Sep 2020 18:29

Tgt Ion:167	Resp:	130944
Ion Ratio	Lower	Upper
167	100	
166	21.8	17.6 26.4
139	13.0	10.2 15.4

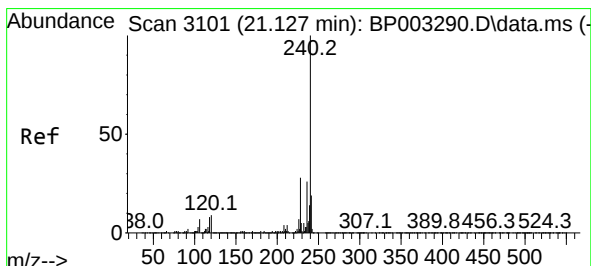
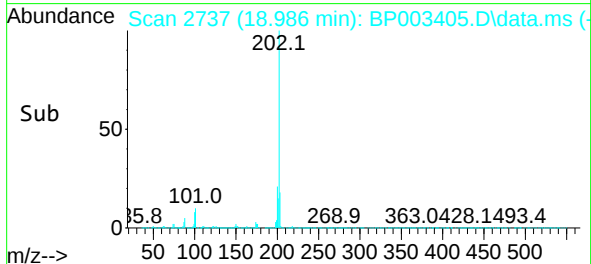
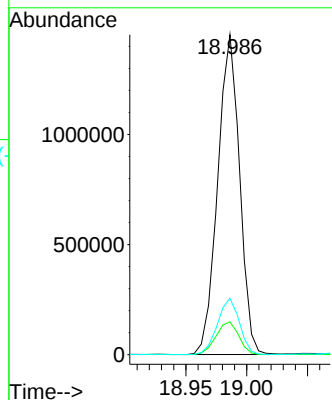
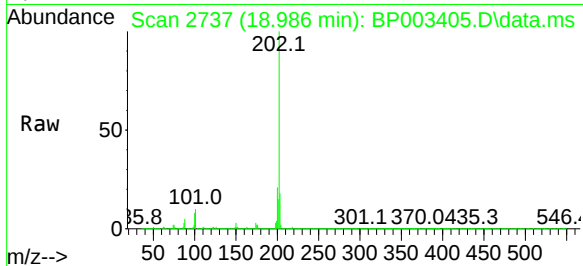




#75
Fluoranthene
Concen: 46.23 ng
RT: 18.986 min Scan# 2737
Delta R.T. -0.006 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

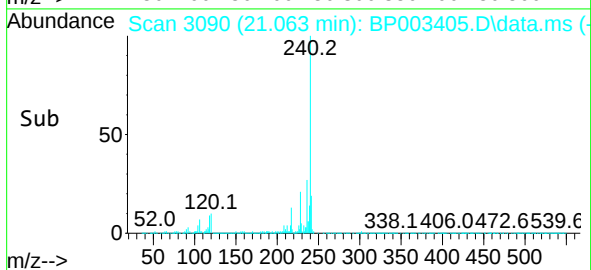
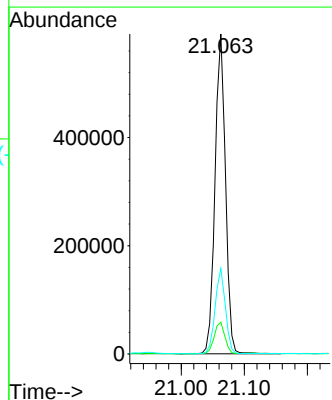
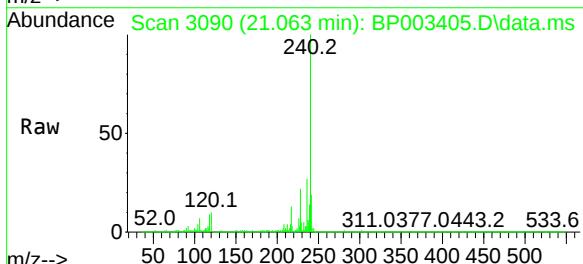
Instrument :
BNA_P
ClientSampleId :
B-5(13-15)DL

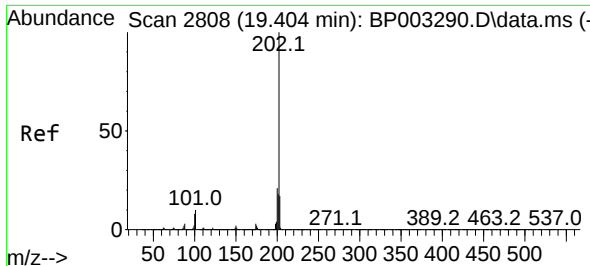
Tgt Ion:202 Resp: 1820667
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.4
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.063 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion:240 Resp: 679615
Ion Ratio Lower Upper
240 100
120 10.0 7.8 11.6
236 26.7 20.8 31.2

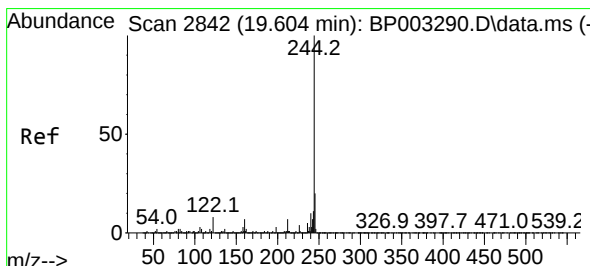
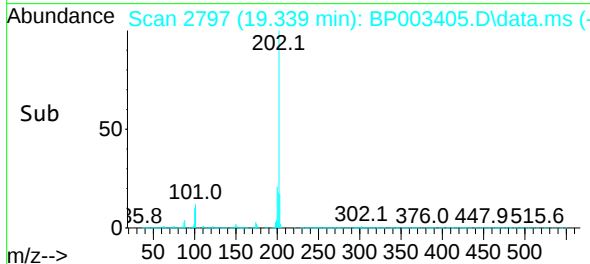
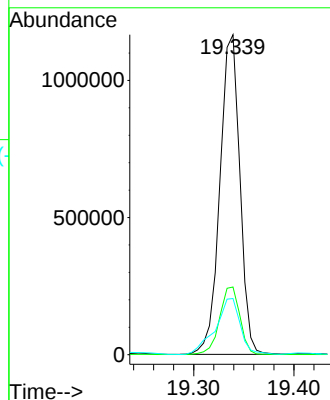
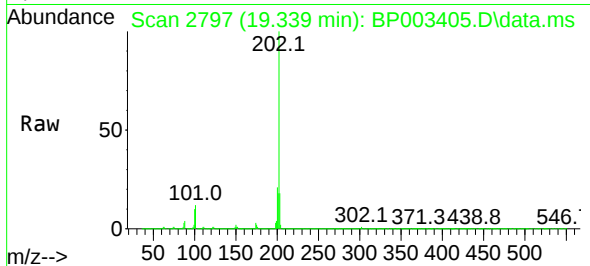




#78
Pyrene
Concen: 38.07 ng
RT: 19.339 min Scan# 2797
Delta R.T. -0.006 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

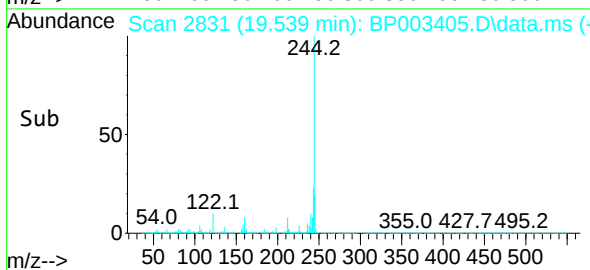
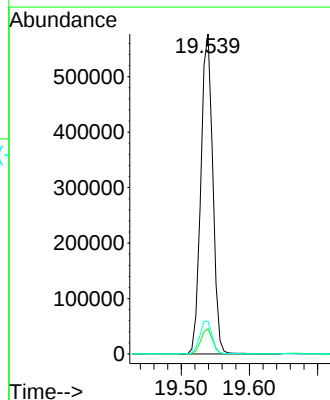
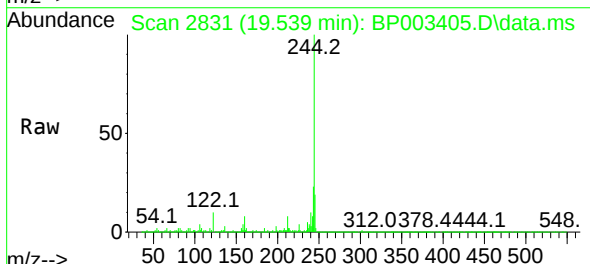
Instrument :
BNA_P
ClientSampleId :
B-5(13-15)DL

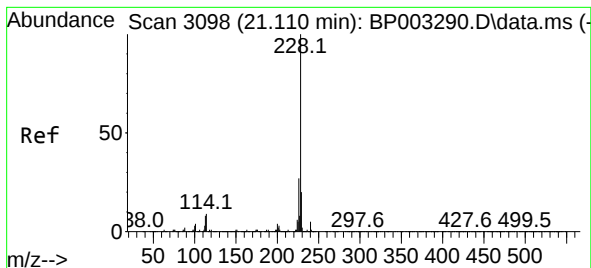
Tgt Ion:202 Resp: 1613652
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.5 14.2 21.2



#79
Terphenyl-d14
Concen: 21.42 ng
RT: 19.539 min Scan# 2831
Delta R.T. -0.012 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion:244 Resp: 698651
Ion Ratio Lower Upper
244 100
212 7.9 5.8 8.6
122 10.2 7.8 11.8





#81

Benzo(a)anthracene

Concen: 22.31 ng

RT: 21.045 min Scan# 3087

Delta R.T. -0.012 min

Lab File: BP003405.D

Acq: 29 Sep 2020 18:29

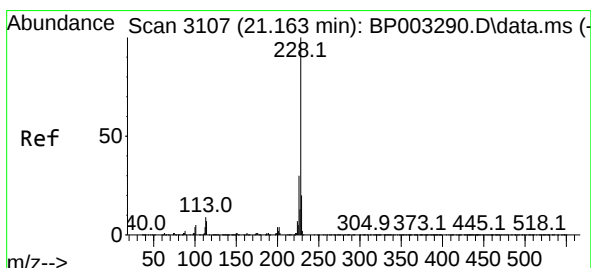
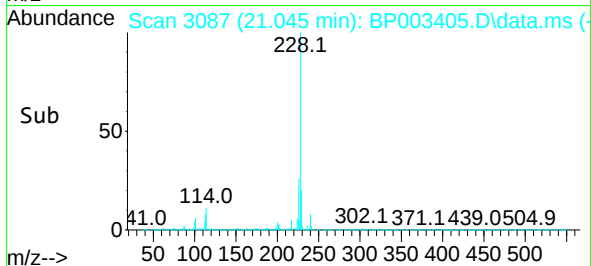
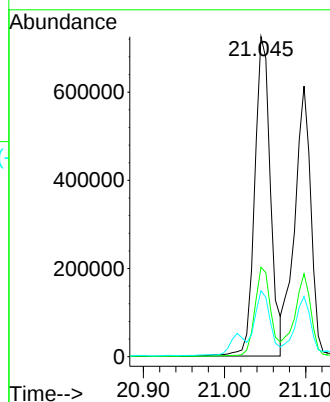
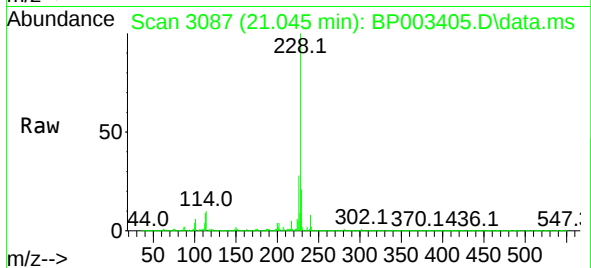
Instrument :

BNA_P

ClientSampleId :

B-5(13-15)DL

Tgt Ion:228	Resp: 980258
Ion Ratio	Lower Upper
228 100	
226 28.0	22.1 33.1
229 20.6	15.9 23.9



#83

Chrysene

Concen: 20.19 ng

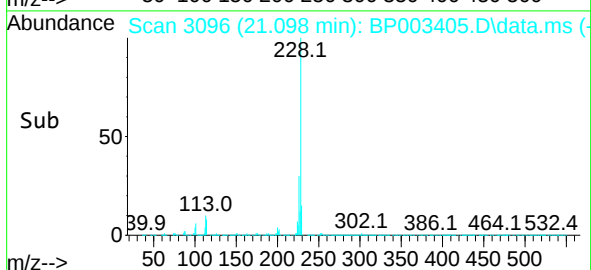
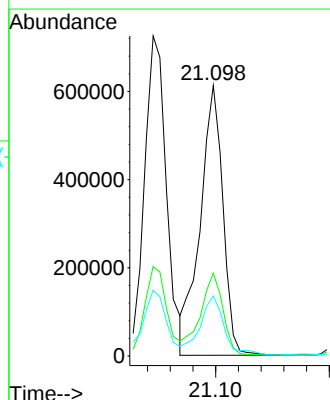
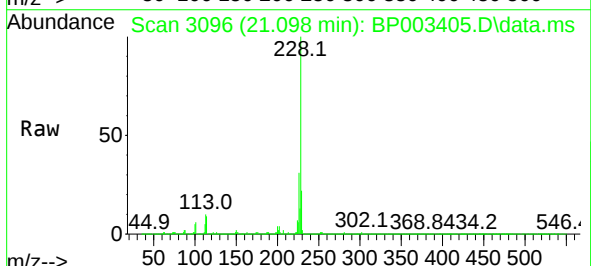
RT: 21.098 min Scan# 3096

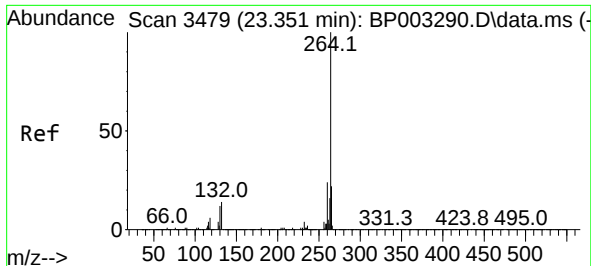
Delta R.T. -0.012 min

Lab File: BP003405.D

Acq: 29 Sep 2020 18:29

Tgt Ion:228	Resp: 852084		
Ion Ratio	Lower	Upper	
228 100			
226 30.6	24.4	36.6	
229 22.2	15.8	23.6	

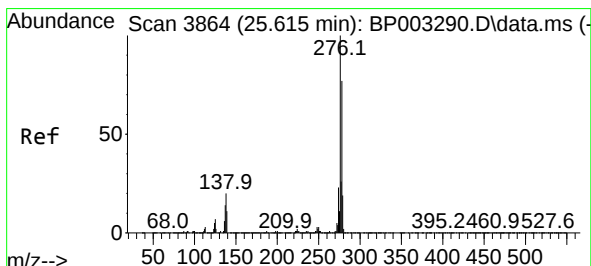
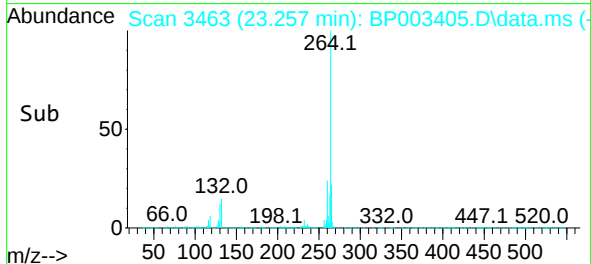
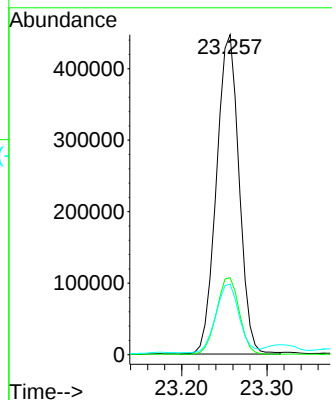
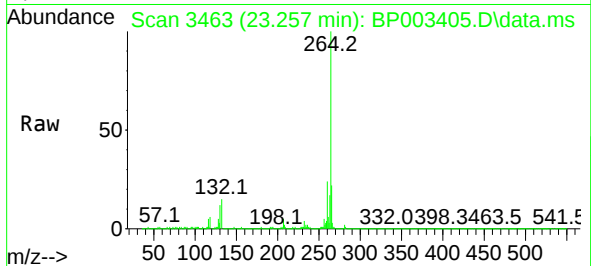




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.257 min Scan# 3463
Delta R.T. -0.006 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

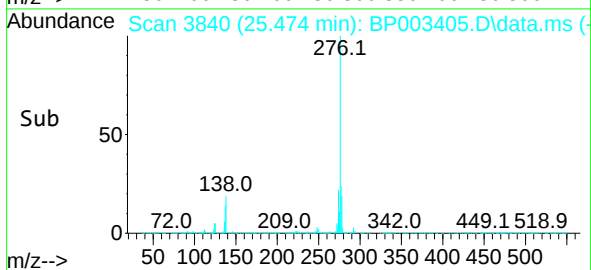
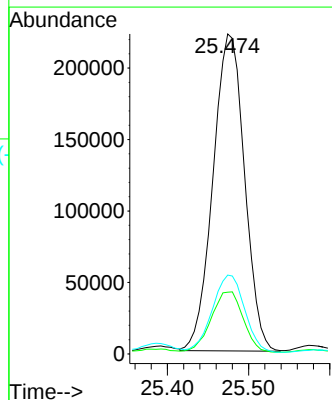
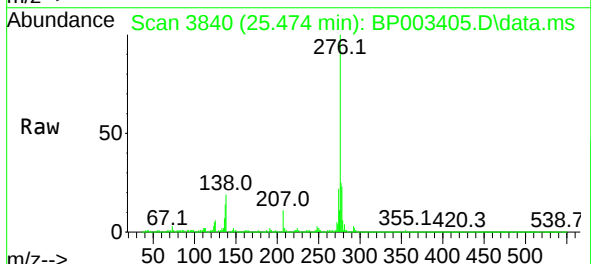
Instrument :
BNA_P
ClientSampleID :
B-5(13-15)DL

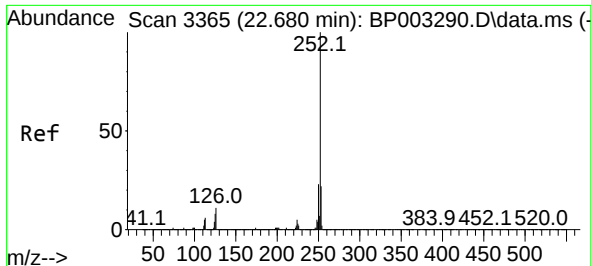
Tgt Ion:264 Resp: 823891
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 22.1 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.59 ng
RT: 25.474 min Scan# 3840
Delta R.T. -0.029 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion:276 Resp: 598795
Ion Ratio Lower Upper
276 100
138 19.4 18.7 28.1
277 24.9 20.4 30.6

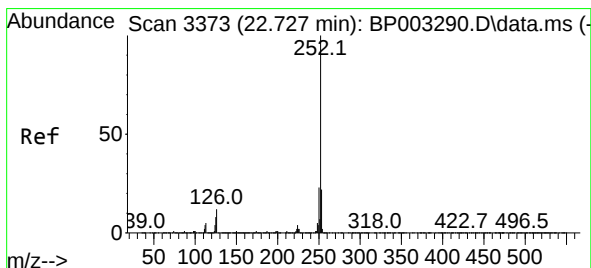
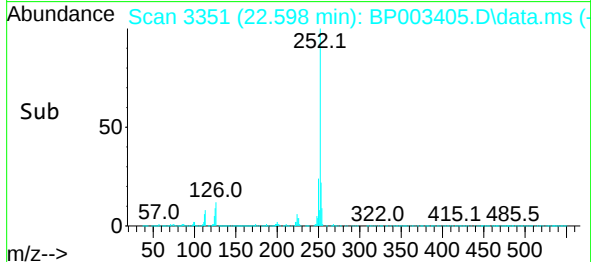
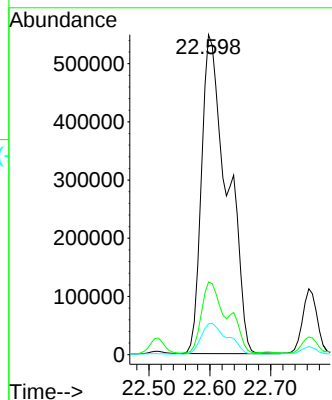
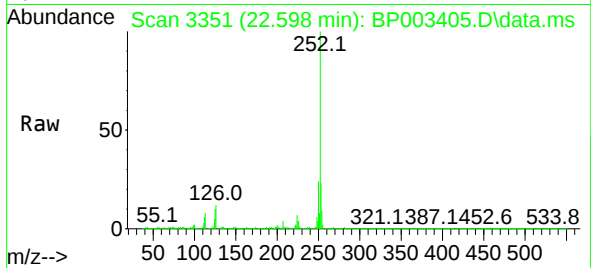




#88
Benzo(b)fluoranthene
Concen: 30.89 ng
RT: 22.598 min Scan# 3351
Delta R.T. -0.012 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

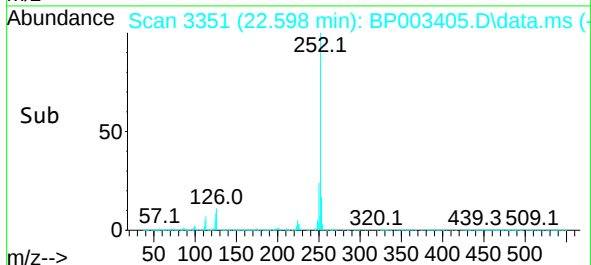
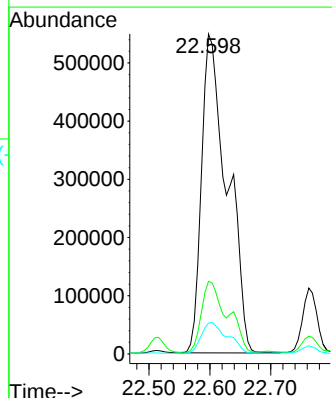
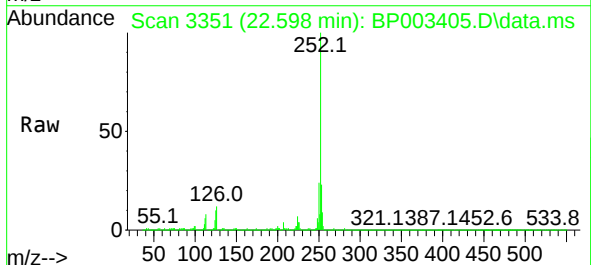
Instrument :
BNA_P
ClientSampleId :
B-5(13-15)DL

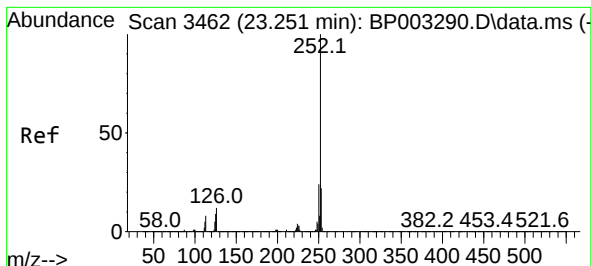
Tgt Ion:252 Resp: 1607049
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 9.7 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 32.23 ng
RT: 22.598 min Scan# 3351
Delta R.T. -0.053 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion:252 Resp: 1607049
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 9.7 7.4 11.2

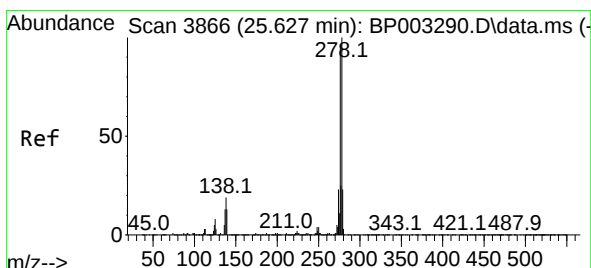
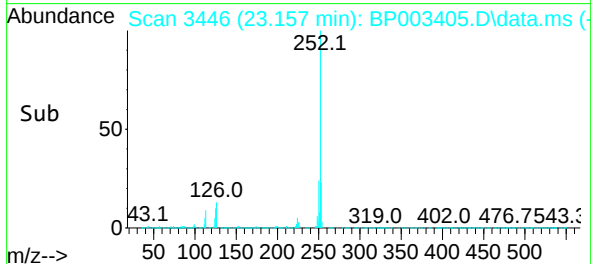
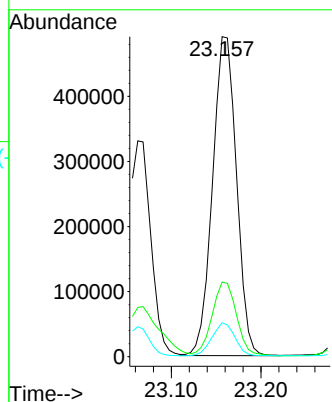
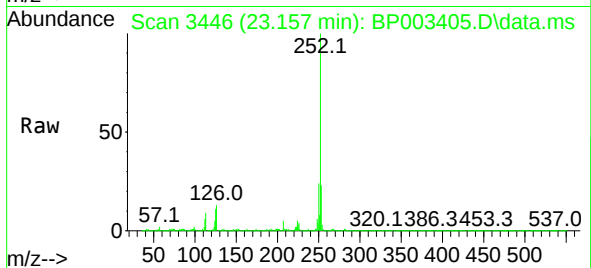




#90
Benzo(a)pyrene
Concen: 18.55 ng
RT: 23.157 min Scan# 3446
Delta R.T. -0.018 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

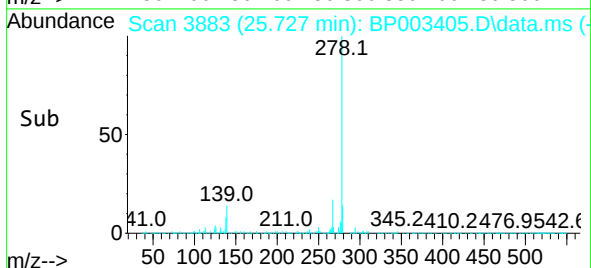
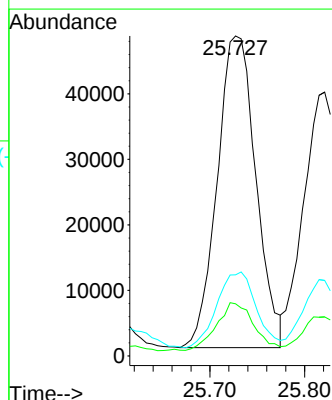
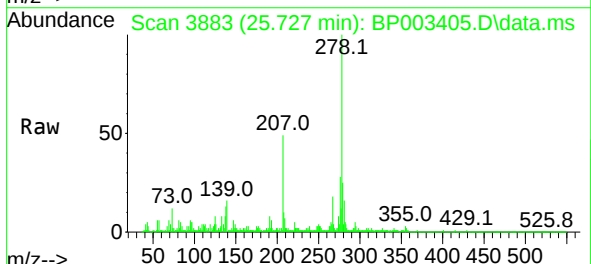
Instrument :
BNA_P
ClientSampleId :
B-5(13-15)DL

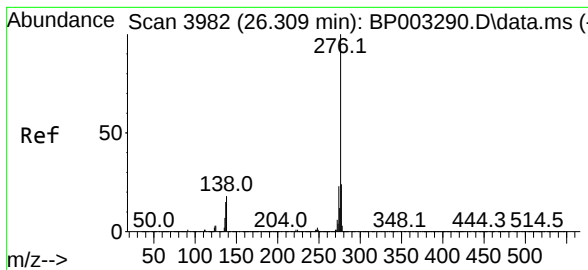
Tgt Ion:252 Resp: 910015
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 10.6 8.2 12.4



#91
Dibenzo(a,h)anthracene
Concen: 2.62 ng
RT: 25.727 min Scan# 3883
Delta R.T. 0.218 min
Lab File: BP003405.D
Acq: 29 Sep 2020 18:29

Tgt Ion:278 Resp: 135111
Ion Ratio Lower Upper
278 100
139 16.3 12.4 18.6
279 25.4 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 10.90 ng
 RT: 26.156 min Scan# 3956
 Delta R.T. -0.029 min
 Lab File: BP003405.D
 Acq: 29 Sep 2020 18:29

Instrument :
 BNA_P
 ClientSampleId :
 B-5(13-15)DL

Tgt Ion:	276	Resp:	560643
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.0	28.6
138	19.7	16.6	24.8

