

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092520\
 Data File : BP003391.D
 Acq On : 25 Sep 2020 20:41
 Operator : CG/JU
 Sample : L4127-01DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-3(9-11)DL

Quant Time: Sep 26 01:25:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 12:48:08 2020
 Response via : Initial Calibration

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

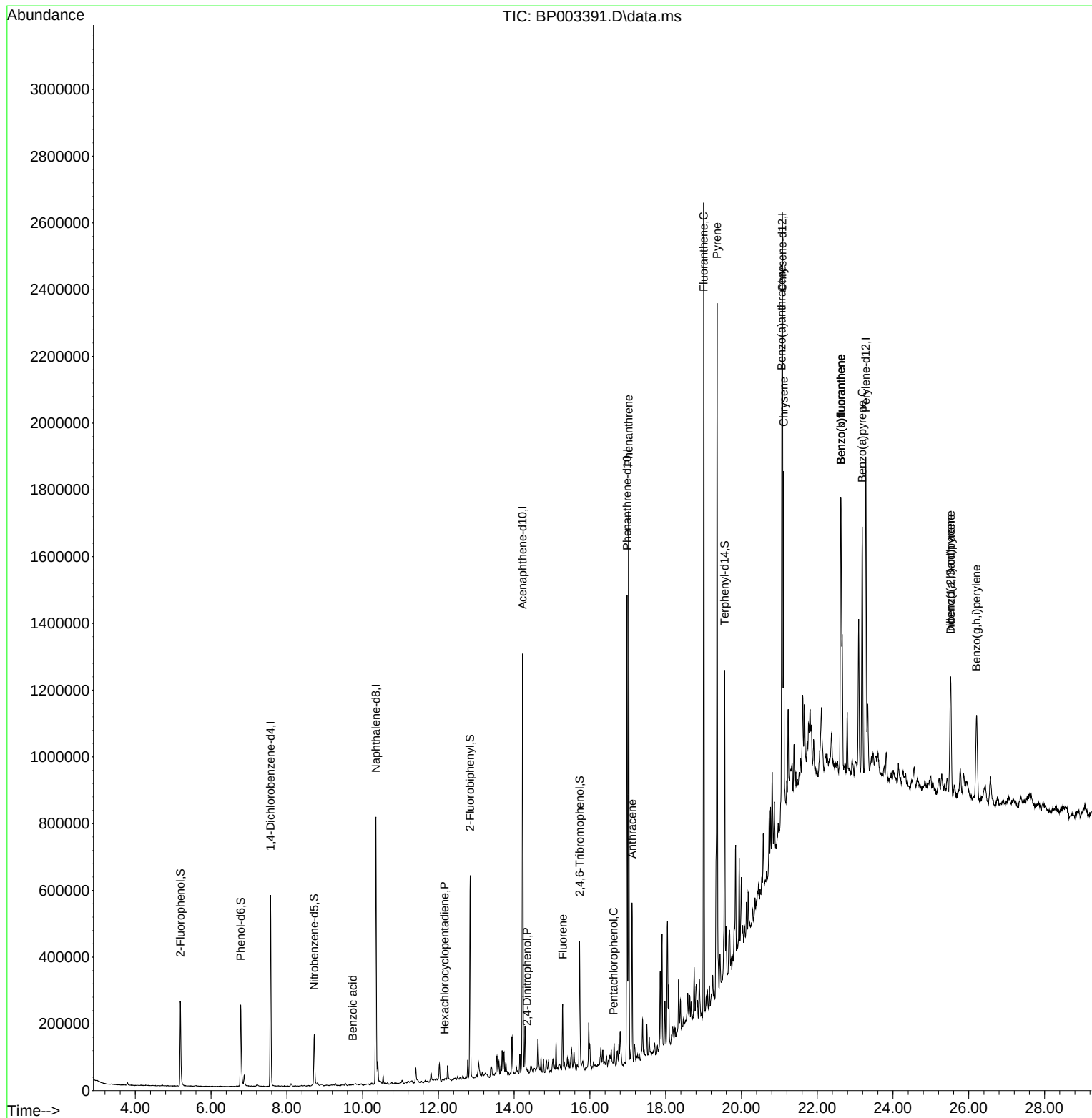
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	161093	20.00	ng	0.00
21) Naphthalene-d8	10.352	136	697358	20.00	ng	# 0.00
39) Acenaphthene-d10	14.222	164	425451	20.00	ng	0.00
64) Phenanthrene-d10	16.981	188	818043	20.00	ng	0.00
76) Chrysene-d12	21.080	240	649455	20.00	ng	0.01
86) Perylene-d12	23.280	264	679357	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.187	112	146760	15.91	ng	0.00
7) Phenol-d6	6.781	99	185582	15.09	ng	0.01
23) Nitrobenzene-d5	8.722	82	107755	9.08	ng	0.00
42) 2,4,6-Tribromophenol	15.728	330	70943	10.93	ng	0.00
45) 2-Fluorobiphenyl	12.840	172	319341	10.98	ng	0.00
79) Terphenyl-d14	19.557	244	363859	11.67	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.740	122	62	9.16	ng	# 1
41) Hexachlorocyclopentadiene	12.163	237	26	6.84	ng	92
54) 2,4-Dinitrophenol	14.340	184	19	7.26	ng	# 1
58) Fluorene	15.281	166	83089	2.70	ng	99
70) Pentachlorophenol	16.622	266	110	6.79	ng	# 75
71) Phenanthrene	17.022	178	977462	21.96	ng	100
72) Anthracene	17.110	178	287991	6.57	ng	99
75) Fluoranthene	19.004	202	1379880	24.66	ng	98
78) Pyrene	19.357	202	1189276	29.36	ng	100
81) Benzo(a)anthracene	21.063	228	609284	14.51	ng	99
83) Chrysene	21.116	228	531062	13.17	ng	97
87) Indeno(1,2,3-cd)pyrene	25.521	276	339204	6.59	ng	95
88) Benzo(b)fluoranthene	22.627	252	691941	16.13	ng	97
89) Benzo(k)fluoranthene	22.627	252	691941	16.83	ng	97
90) Benzo(a)pyrene	23.186	252	506738	12.53	ng	95
91) Dibenzo(a,h)anthracene	25.521	278	92621	2.18	ng	# 84
92) Benzo(g,h,i)perylene	26.204	276	324610	7.65	ng	97

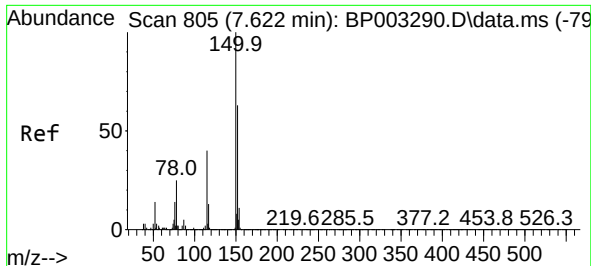
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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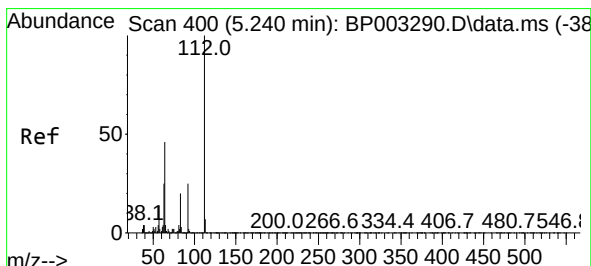
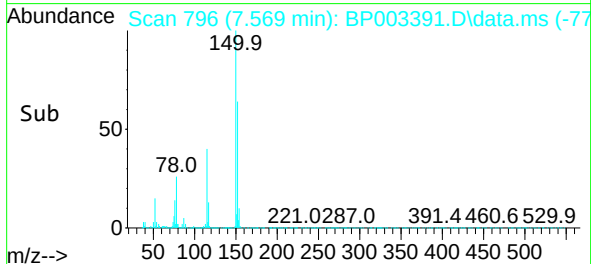
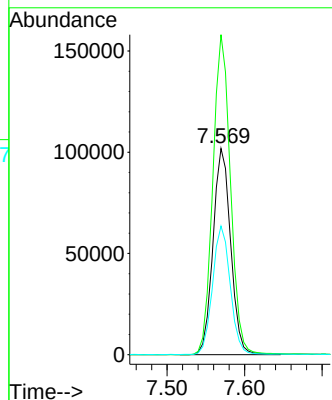
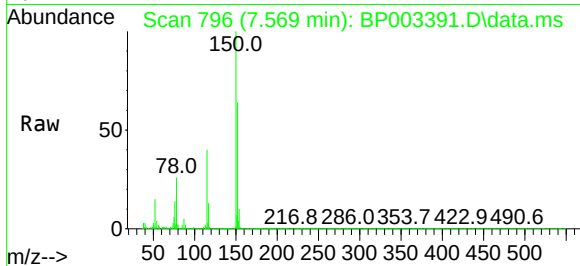




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.569 min Scan# 796
Delta R.T. 0.000 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

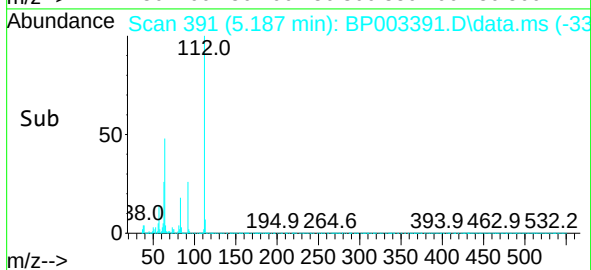
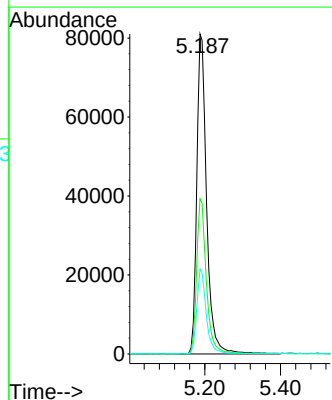
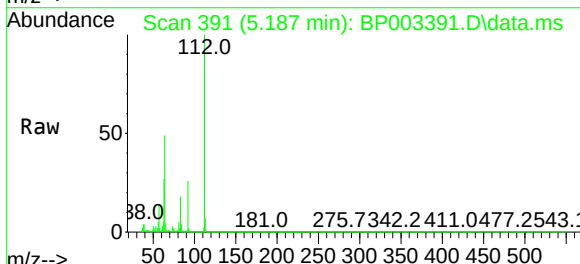
Instrument :
BNA_P
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B-3(9-11)DL

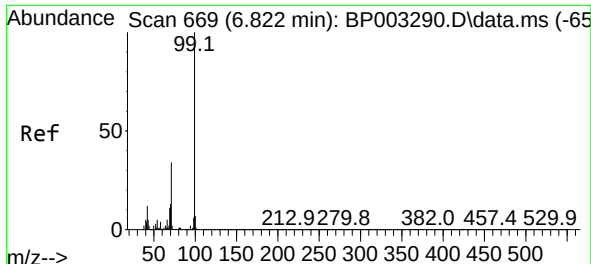
Tgt Ion:152 Resp: 161093
Ion Ratio Lower Upper
152 100
150 155.2 123.8 185.6
115 62.4 43.8 65.6



#5
2-Fluorophenol
Concen: 15.91 ng
RT: 5.187 min Scan# 391
Delta R.T. 0.006 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

Tgt Ion:112 Resp: 146760
Ion Ratio Lower Upper
112 100
64 48.5 32.8 49.2
63 26.5 17.0 25.4#

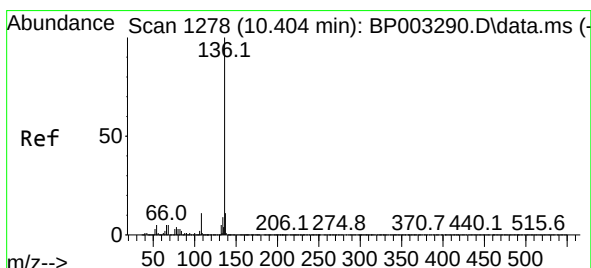
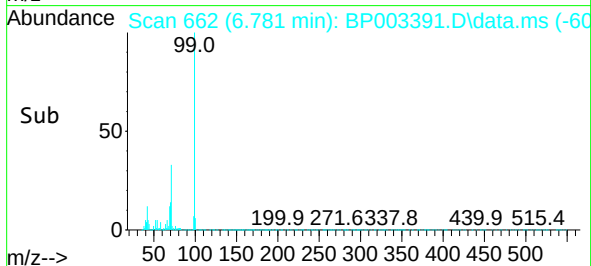
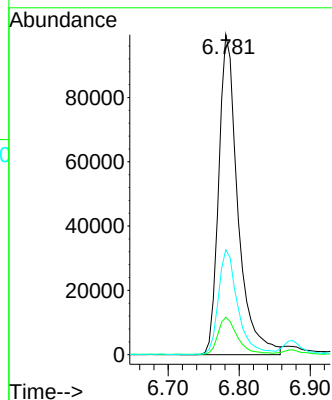
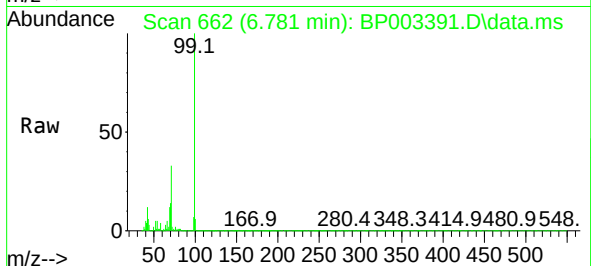




#7
Phenol-d6
Concen: 15.09 ng
RT: 6.781 min Scan# 662
Delta R.T. 0.012 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

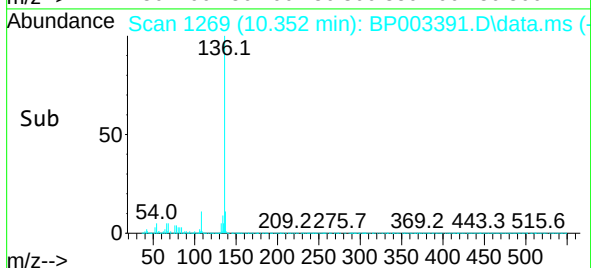
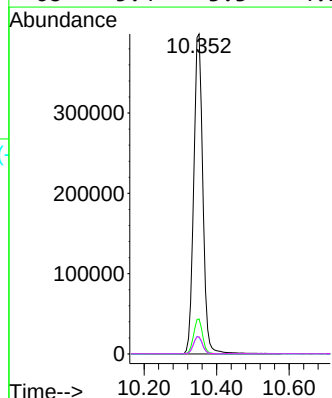
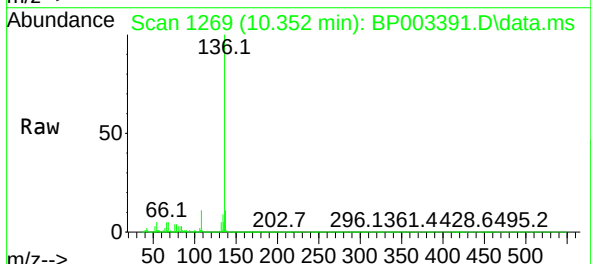
Instrument :
BNA_P
ClientSampleId :
B-3(9-11)DL

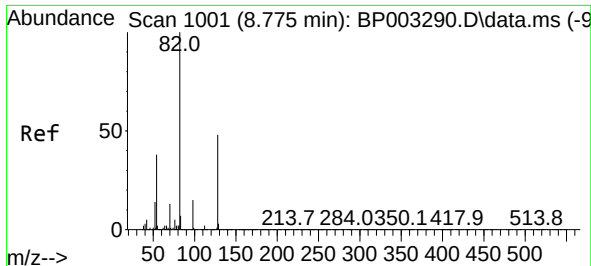
Tgt Ion: 99 Resp: 185582
Ion Ratio Lower Upper
99 100
42 11.7 8.6 13.0
71 32.8 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.352 min Scan# 1269
Delta R.T. 0.006 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

Tgt Ion: 136 Resp: 697358
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 5.2 3.6 5.4
68 5.4 3.3 4.9#

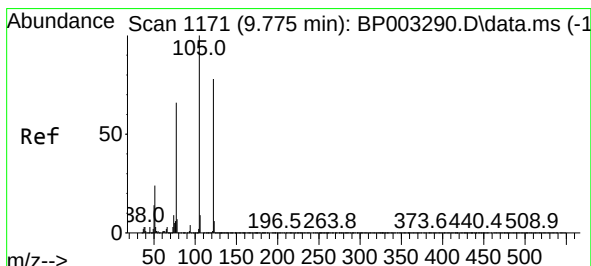
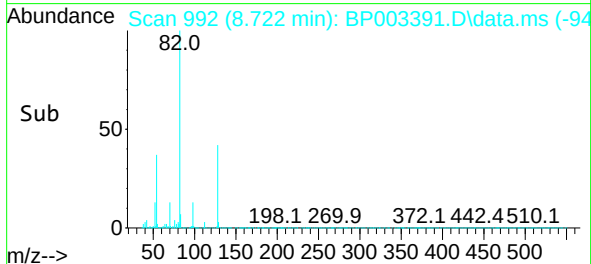
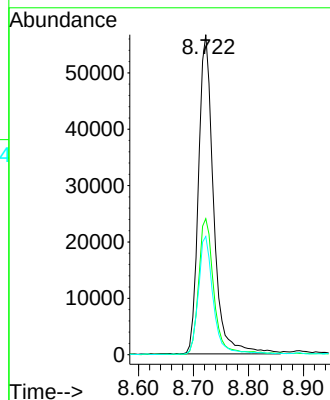
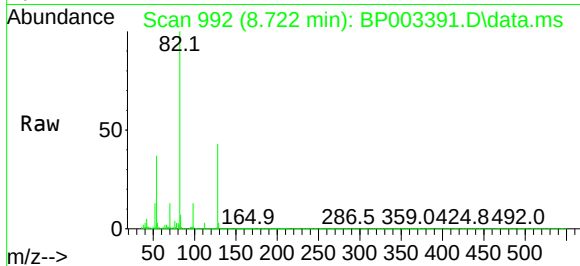




#23
Nitrobenzene-d5
Concen: 9.08 ng
RT: 8.722 min Scan# 992
Delta R.T. 0.000 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

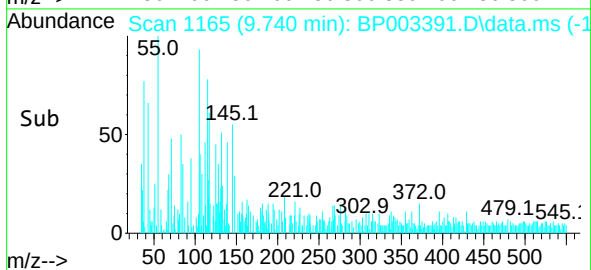
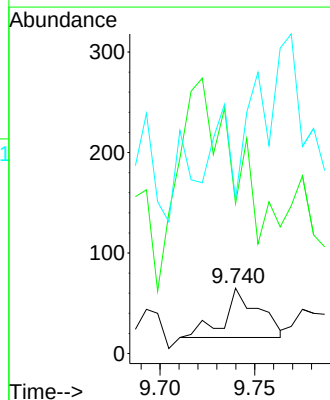
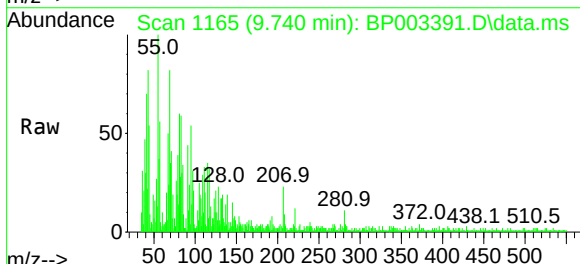
Instrument :
BNA_P
ClientSampleId :
B-3(9-11)DL

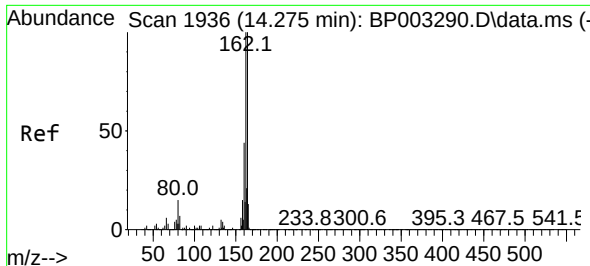
Tgt Ion: 82 Resp: 107755
Ion Ratio Lower Upper
82 100
128 42.5 45.6 68.4#
54 37.0 30.1 45.1



#32
Benzoic acid
Concen: 9.16 ng
RT: 9.740 min Scan# 1165
Delta R.T. 0.018 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

Tgt Ion: 122 Resp: 62
Ion Ratio Lower Upper
122 100
105 229.2 94.1 134.1#
77 235.4 50.1 90.1#

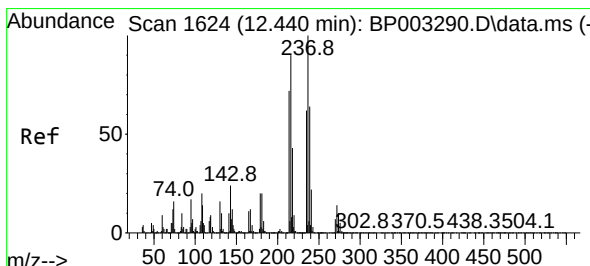
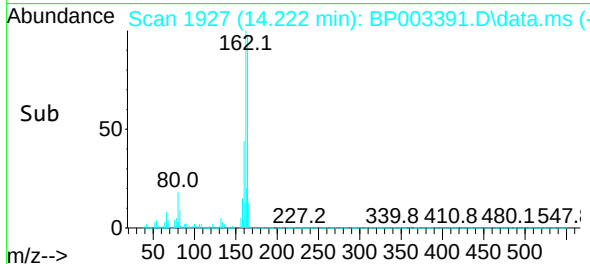
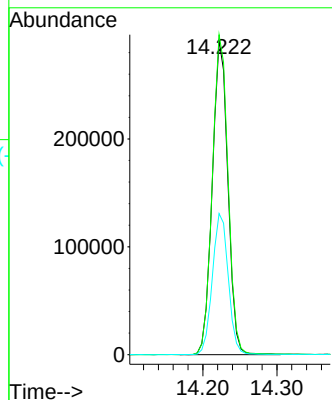
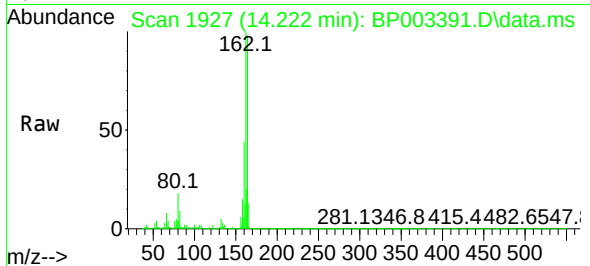




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.222 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

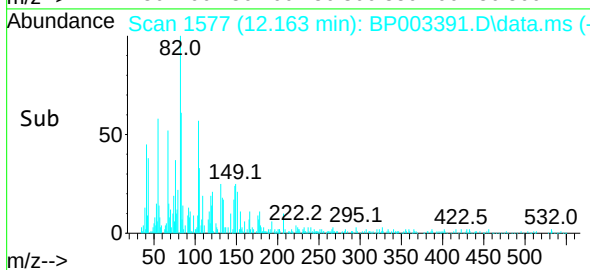
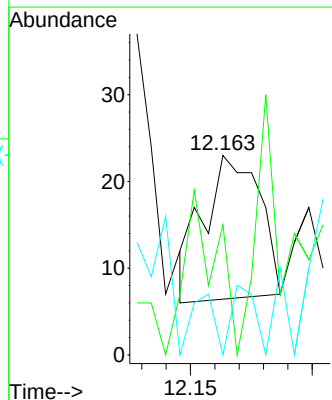
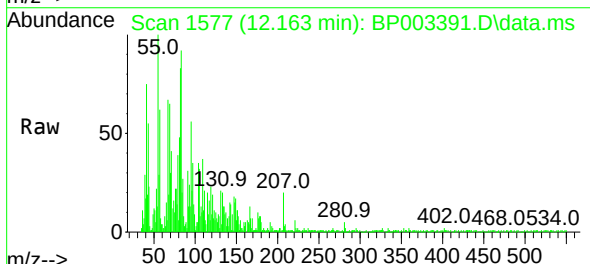
Instrument :
BNA_P
ClientSampleId :
B-3(9-11)DL

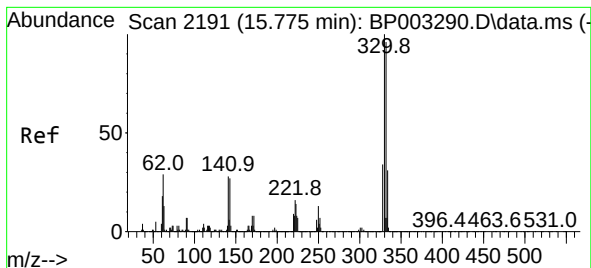
Tgt Ion:164 Resp: 425451
Ion Ratio Lower Upper
164 100
162 101.8 79.4 119.2
160 44.9 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 6.84 ng
RT: 12.163 min Scan# 1577
Delta R.T. -0.217 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

Tgt Ion:237 Resp: 26
Ion Ratio Lower Upper
237 100
235 65.2 43.2 83.2
272 0.0 0.0 33.3

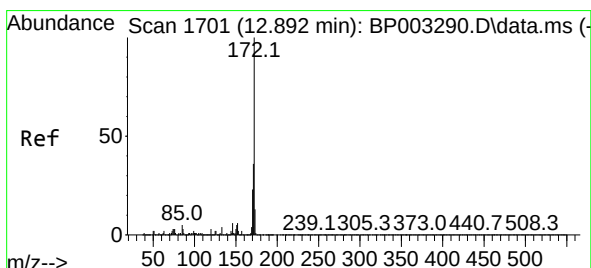
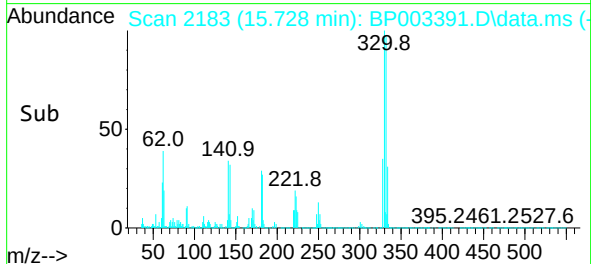
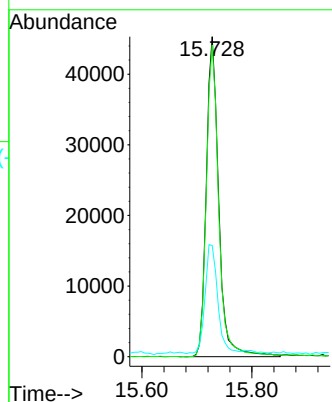
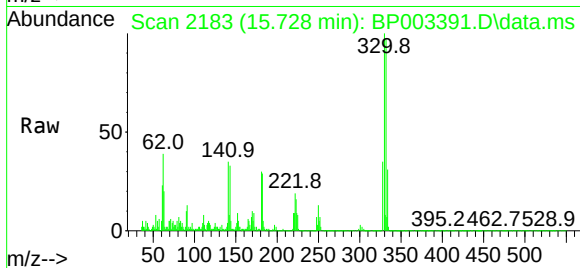




#42
2,4,6-Tribromophenol
Concen: 10.93 ng
RT: 15.728 min Scan# 2183
Delta R.T. 0.006 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

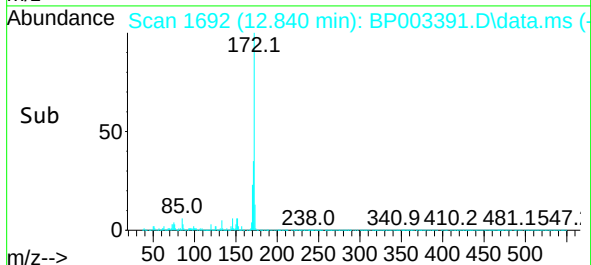
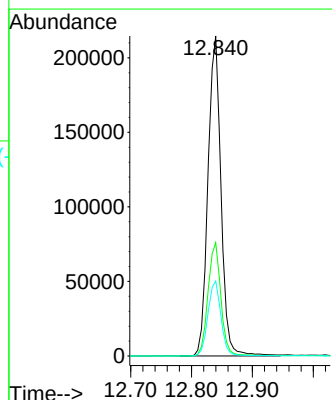
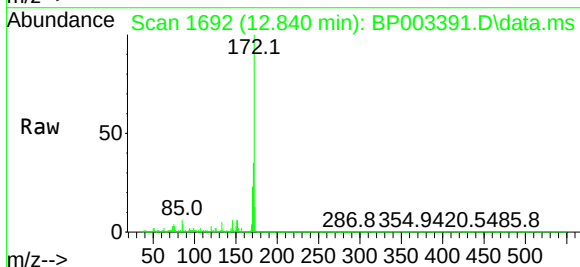
Instrument :
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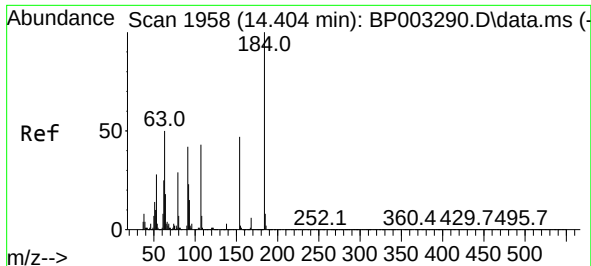
Tgt Ion:330 Resp: 70943
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 34.9 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 10.98 ng
RT: 12.840 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

Tgt Ion:172 Resp: 319341
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 23.5 19.2 28.8

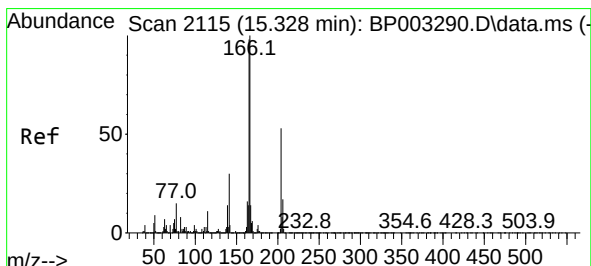
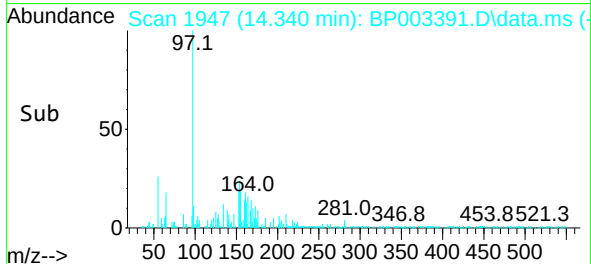
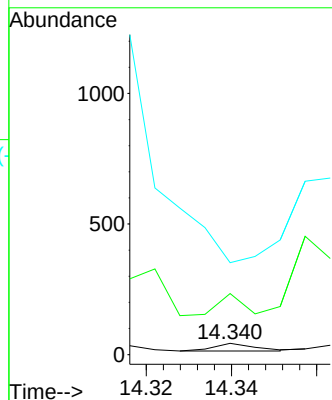
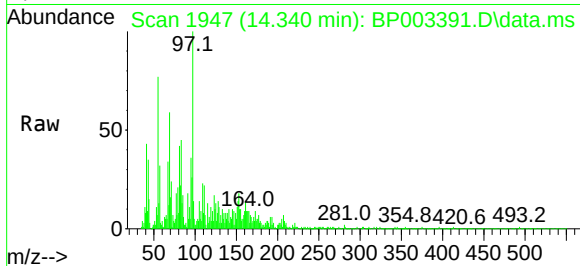




#54
2,4-Dinitrophenol
Concen: 7.26 ng
RT: 14.340 min Scan# 1947
Delta R.T. -0.017 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

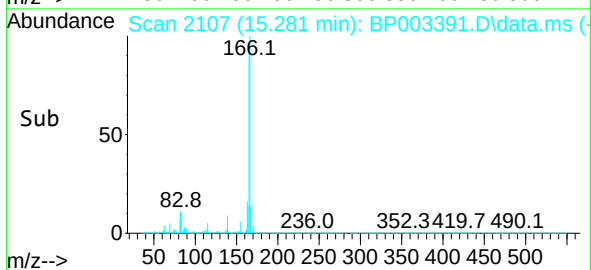
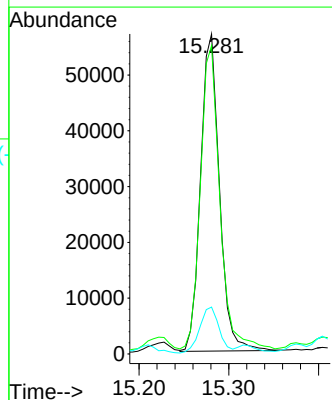
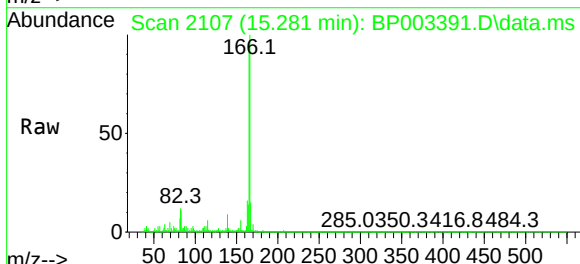
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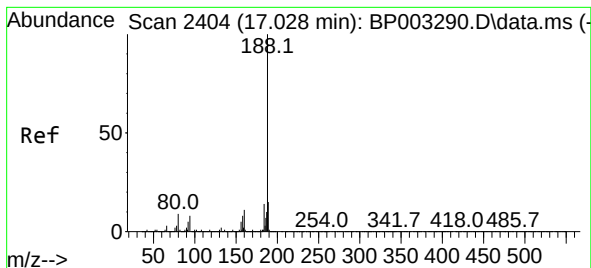
Tgt Ion:184 Resp: 19
Ion Ratio Lower Upper
184 100
63 544.2 32.3 48.5#
154 818.6 49.1 73.7#



#58
Fluorene
Concen: 2.70 ng
RT: 15.281 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

Tgt Ion:166 Resp: 83089
Ion Ratio Lower Upper
166 100
165 96.4 77.8 116.8
167 14.6 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.981 min Scan# 2396

Delta R.T. 0.006 min

Lab File: BP003391.D

Acq: 25 Sep 2020 20:41

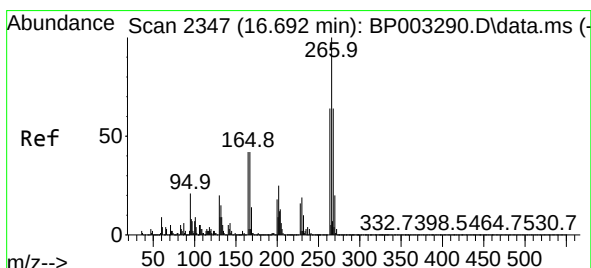
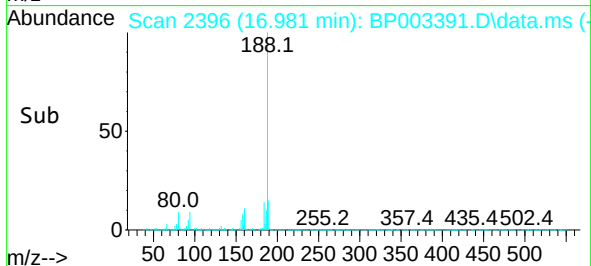
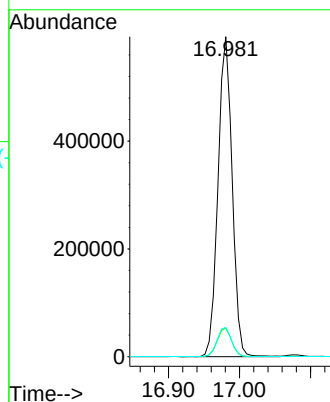
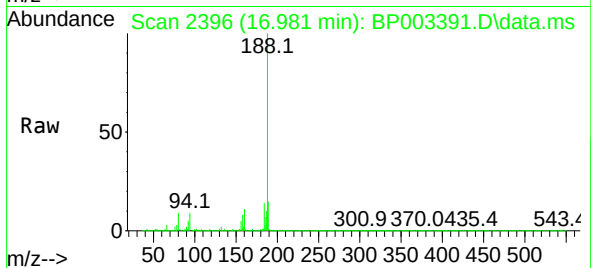
Instrument :

BNA_P

ClientSampleId :

B-3(9-11)DL

Tgt Ion:188	Resp:	818043
Ion Ratio	Lower	Upper
188	100	
94	9.0	6.2 9.2
80	9.2	6.2 9.2



#70

Pentachlorophenol

Concen: 6.79 ng

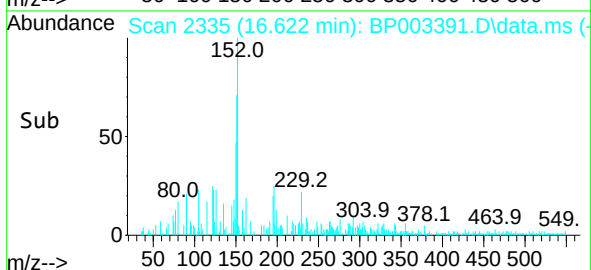
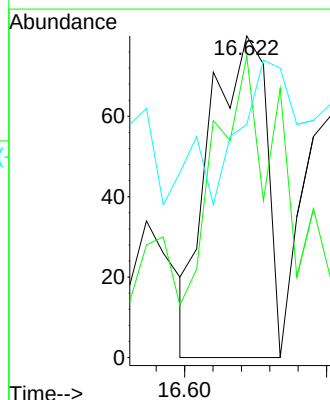
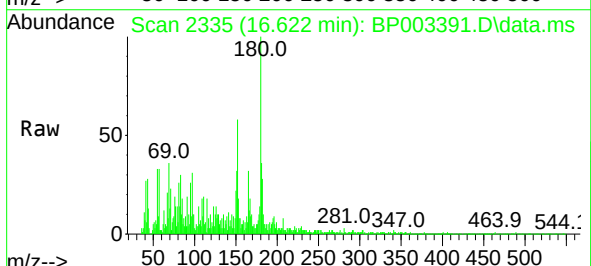
RT: 16.622 min Scan# 2335

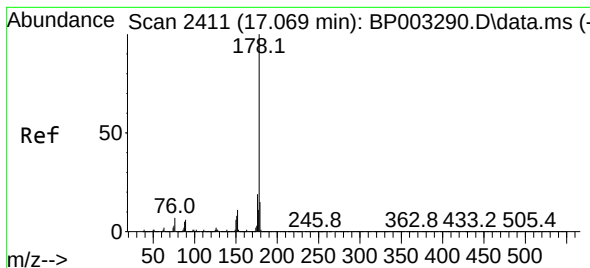
Delta R.T. -0.017 min

Lab File: BP003391.D

Acq: 25 Sep 2020 20:41

Tgt Ion:266	Resp:	110
Ion Ratio	Lower	Upper
266	100	
268	93.8	51.1 76.7#
264	72.5	50.6 76.0





#71

Phenanthrene

Concen: 21.96 ng

RT: 17.022 min Scan# 2403

Delta R.T. 0.006 min

Lab File: BP003391.D

Acq: 25 Sep 2020 20:41

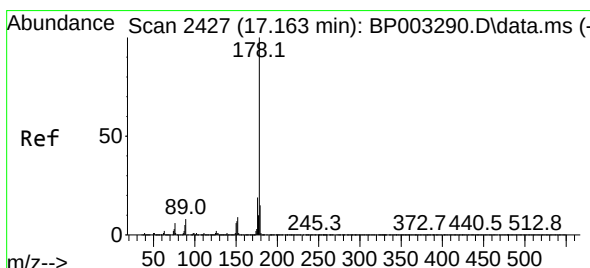
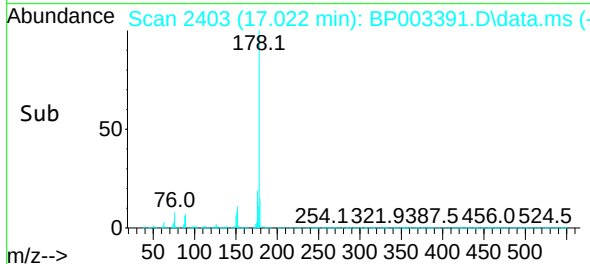
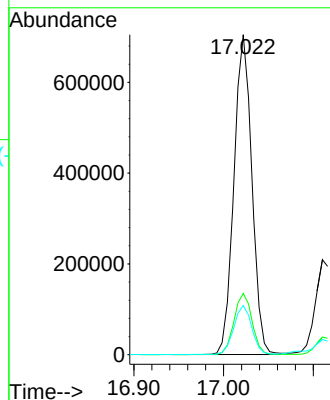
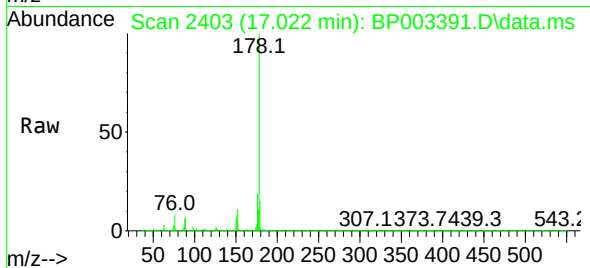
Instrument :

BNA_P

ClientSampleId :

B-3(9-11)DL

Tgt Ion:178	Resp: 977462
Ion Ratio	Lower Upper
178	100
176	19.2 15.3 22.9
179	15.4 12.5 18.7



#72

Anthracene

Concen: 6.57 ng

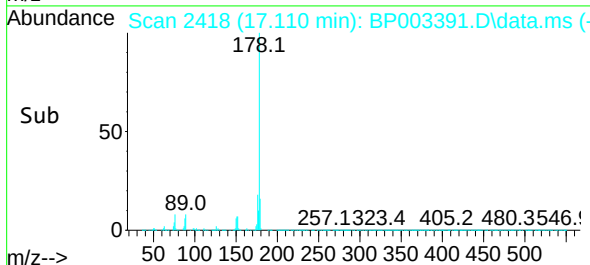
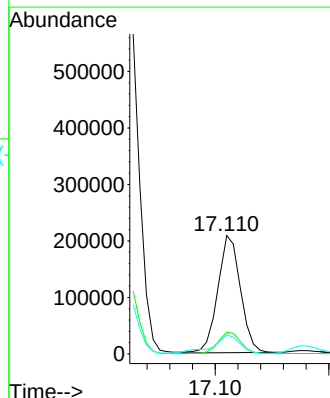
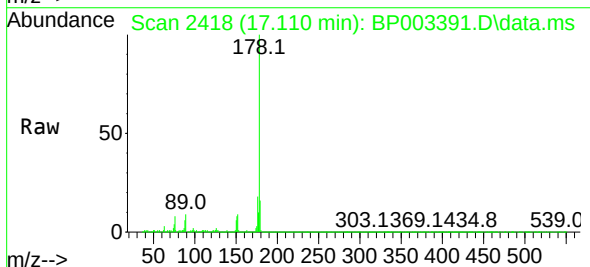
RT: 17.110 min Scan# 2418

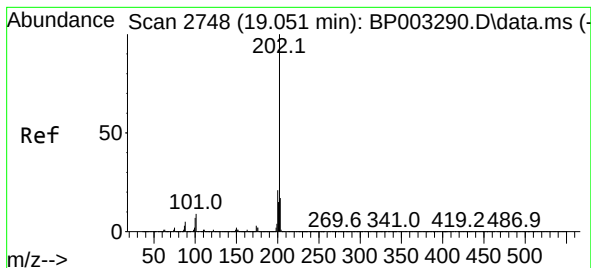
Delta R.T. 0.006 min

Lab File: BP003391.D

Acq: 25 Sep 2020 20:41

Tgt Ion:178	Resp: 287991
Ion Ratio	Lower Upper
178	100
176	18.5 15.0 22.4
179	16.0 12.5 18.7

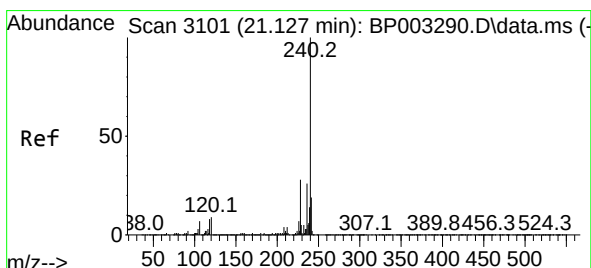
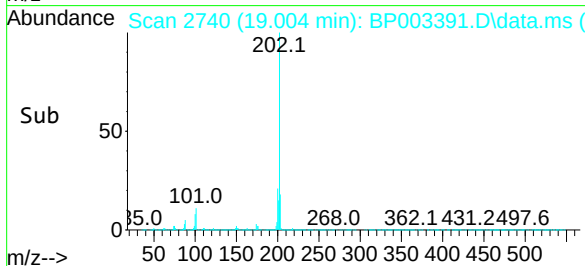
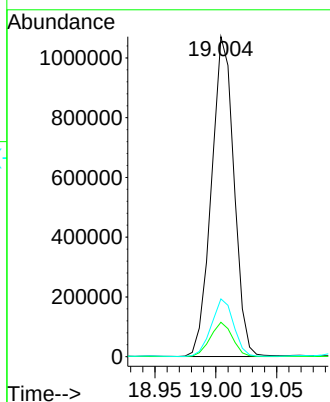
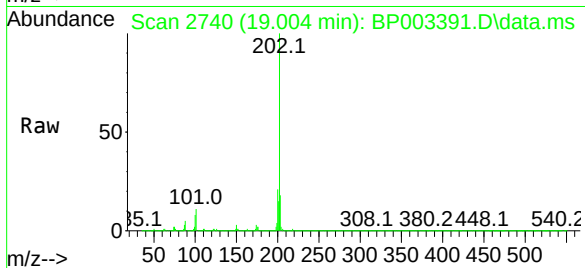




#75
Fluoranthene
Concen: 24.66 ng
RT: 19.004 min Scan# 2740
Delta R.T. 0.006 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

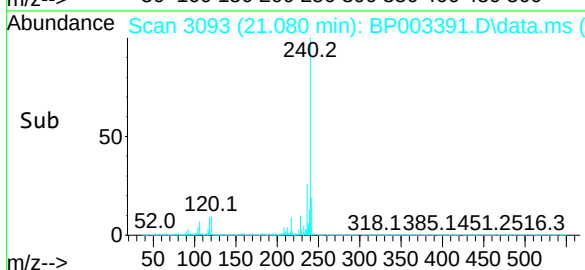
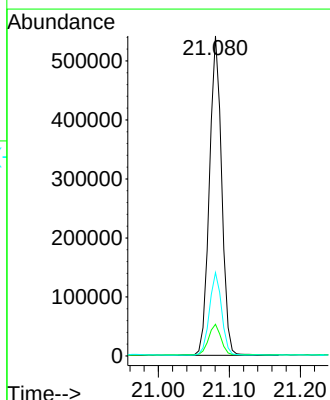
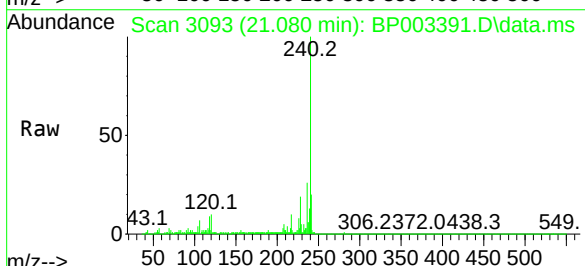
Instrument :
BNA_P
ClientSampleId :
B-3(9-11)DL

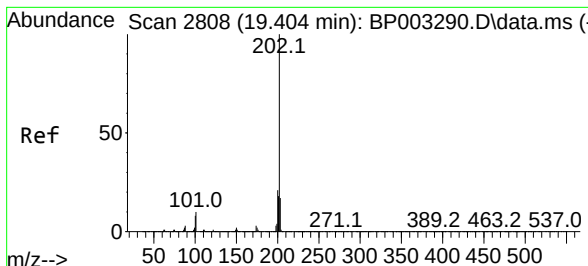
Tgt Ion:202 Resp: 1379880
Ion Ratio Lower Upper
202 100
101 10.7 0.0 29.4
203 18.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.080 min Scan# 3093
Delta R.T. 0.012 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

Tgt Ion:240 Resp: 649455
Ion Ratio Lower Upper
240 100
120 9.9 7.8 11.6
236 26.1 20.8 31.2





#78

Pyrene

Concen: 29.36 ng

RT: 19.357 min Scan# 2800

Delta R.T. 0.006 min

Lab File: BP003391.D

Acq: 25 Sep 2020 20:41

Instrument :

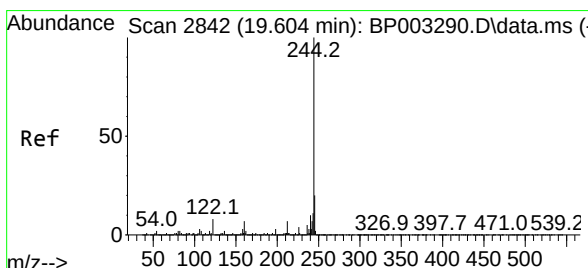
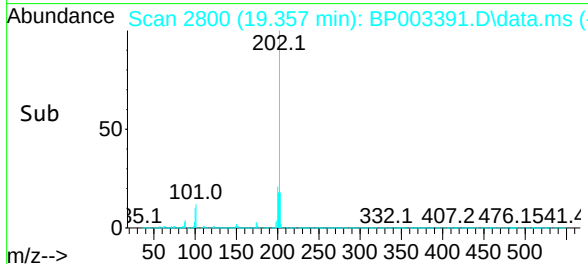
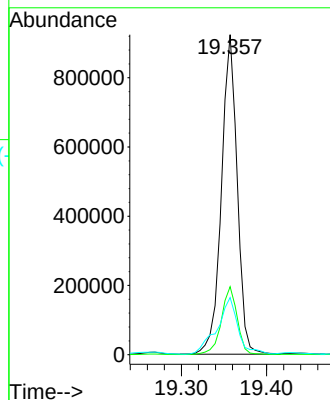
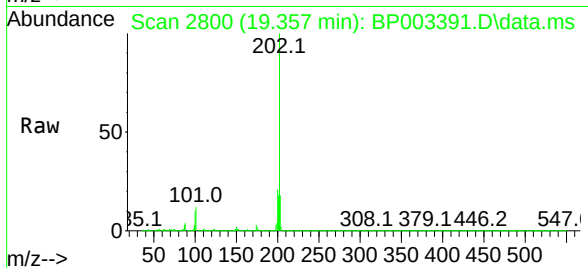
BNA_P

ClientSampleId :

B-3(9-11)DL

Tgt Ion:202 Resp: 1189276

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.9	14.2	21.2



#79

Terphenyl-d14

Concen: 11.67 ng

RT: 19.557 min Scan# 2834

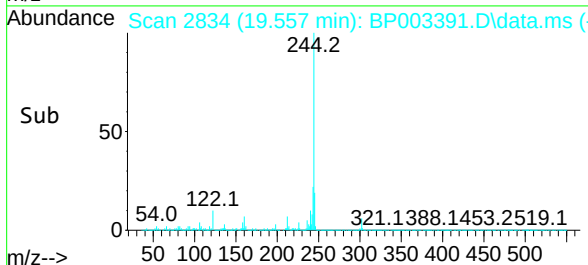
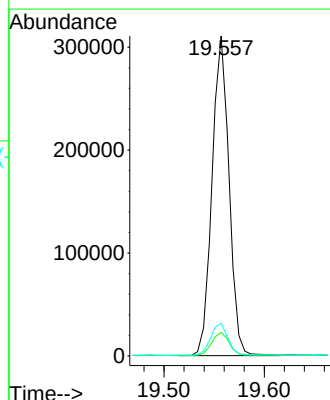
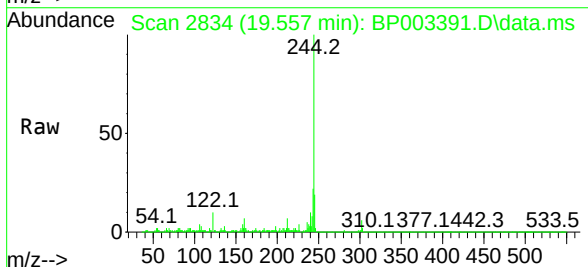
Delta R.T. 0.006 min

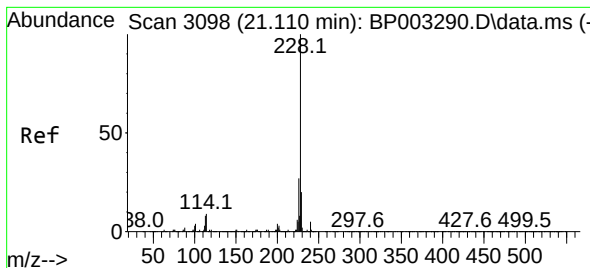
Lab File: BP003391.D

Acq: 25 Sep 2020 20:41

Tgt Ion:244 Resp: 363859

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	10.2	7.8	11.8





#81

Benzo(a)anthracene

Concen: 14.51 ng

RT: 21.063 min Scan# 3090

Delta R.T. 0.006 min

Lab File: BP003391.D

Acq: 25 Sep 2020 20:41

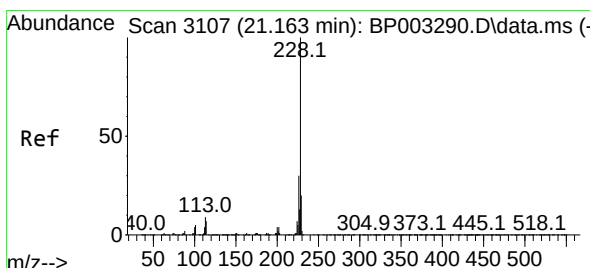
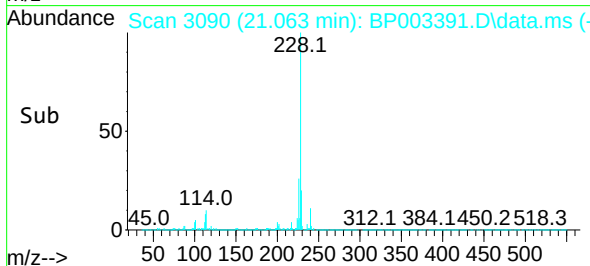
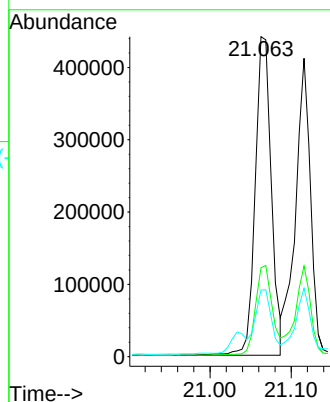
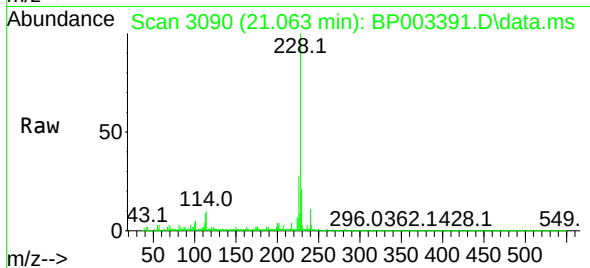
Instrument :

BNA_P

ClientSampleId :

B-3(9-11)DL

Tgt Ion:	228	Resp:	609284
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.1	33.1
229	20.9	15.9	23.9



#83

Chrysene

Concen: 13.17 ng

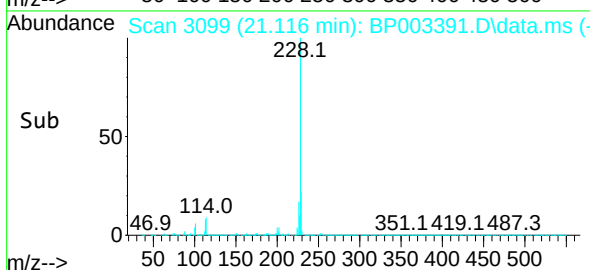
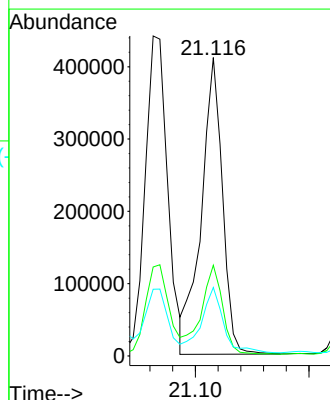
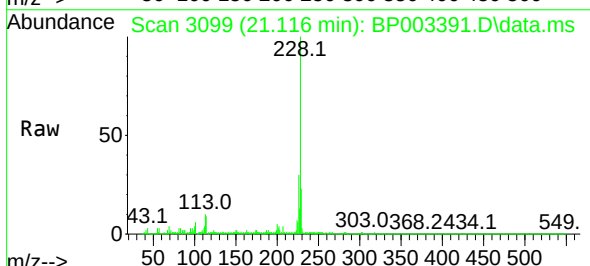
RT: 21.116 min Scan# 3099

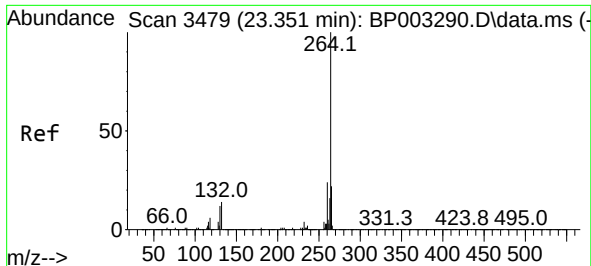
Delta R.T. 0.012 min

Lab File: BP003391.D

Acq: 25 Sep 2020 20:41

Tgt Ion:	228	Resp:	531062
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.4	36.6
229	22.9	15.8	23.6

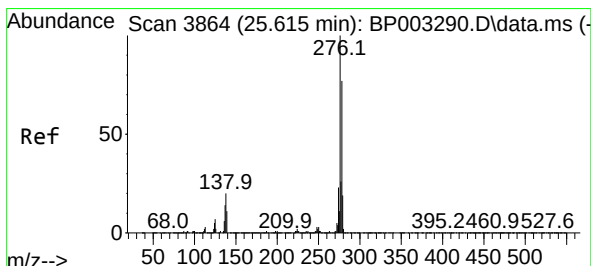
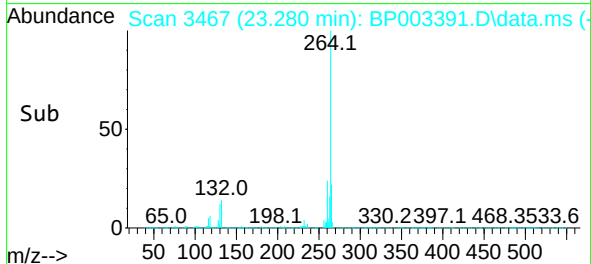
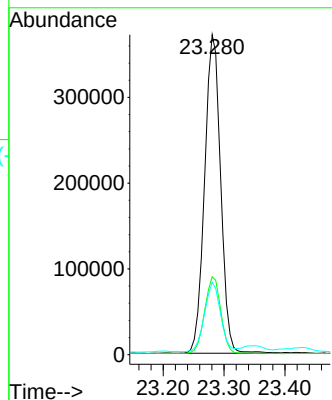
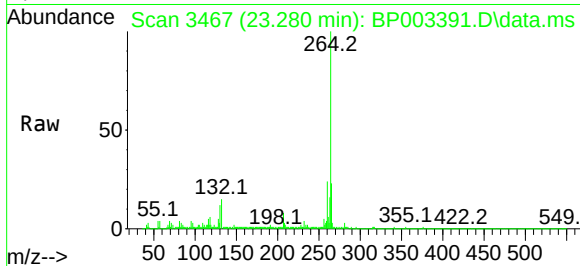




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.280 min Scan# 3467
Delta R.T. 0.018 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

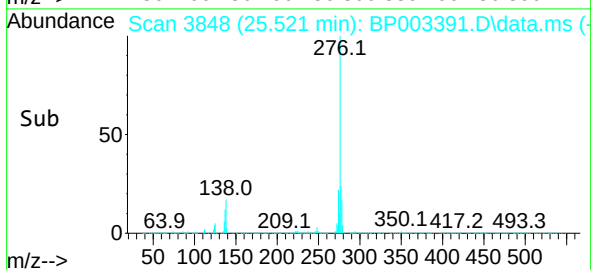
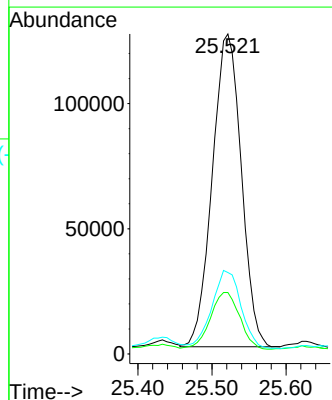
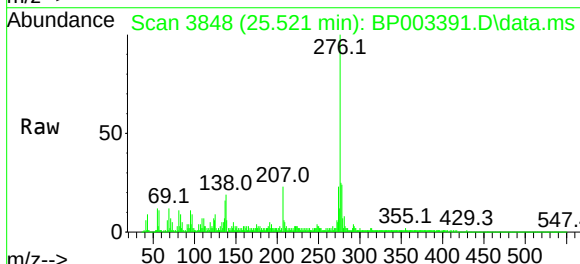
Instrument :
BNA_P
ClientSampled :
B-3(9-11)DL

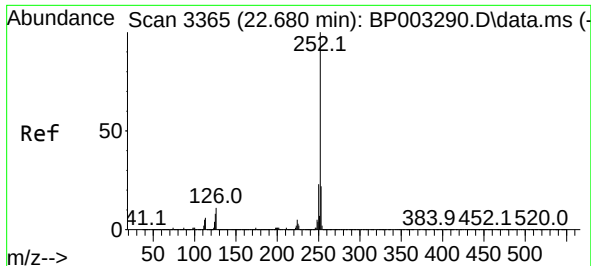
Tgt Ion:264 Resp: 679357
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 22.6 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.59 ng
RT: 25.521 min Scan# 3848
Delta R.T. 0.030 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

Tgt Ion:276 Resp: 339204
Ion Ratio Lower Upper
276 100
138 18.7 18.7 28.1
277 25.3 20.4 30.6

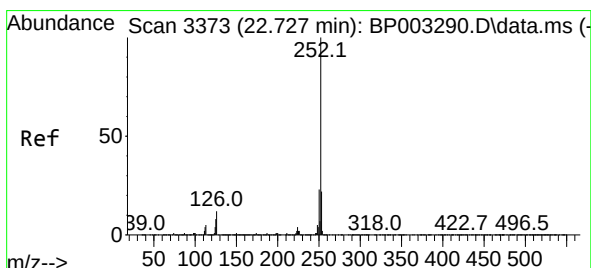
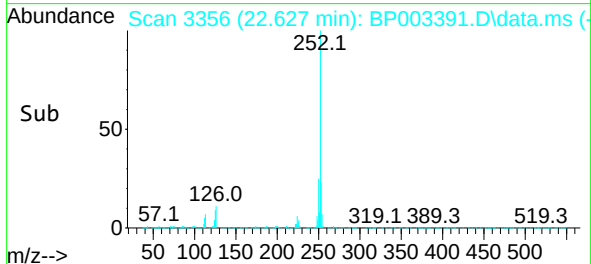
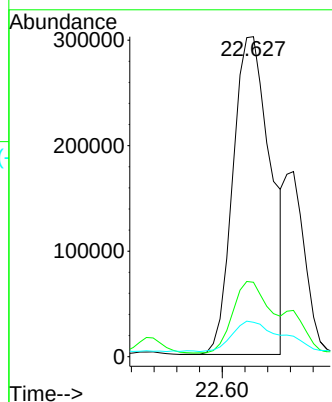
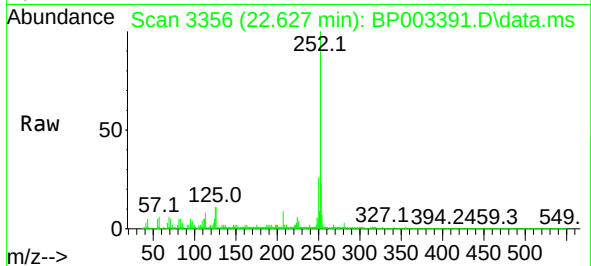




#88
Benzo(b)fluoranthene
Concen: 16.13 ng
RT: 22.627 min Scan# 3356
Delta R.T. 0.024 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

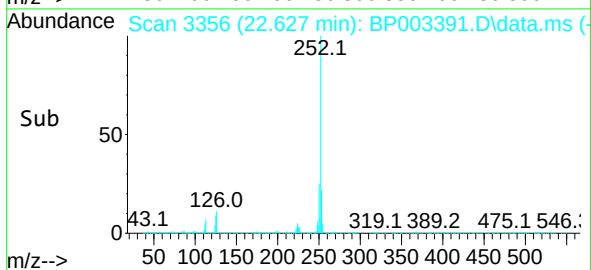
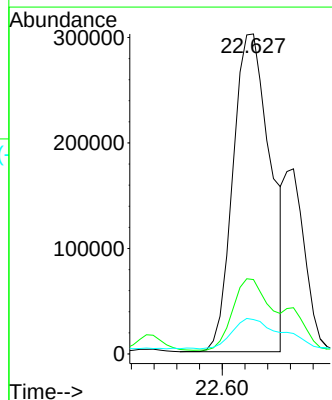
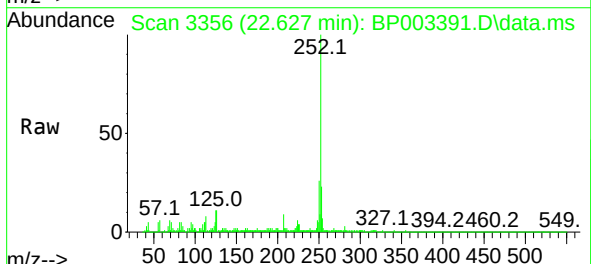
Instrument :
BNA_P
ClientSampleId :
B-3(9-11)DL

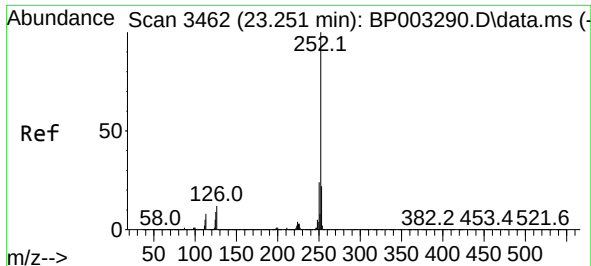
Tgt Ion:252 Resp: 691941
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 10.7 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 16.83 ng
RT: 22.627 min Scan# 3356
Delta R.T. -0.023 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

Tgt Ion:252 Resp: 691941
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 10.7 7.4 11.2

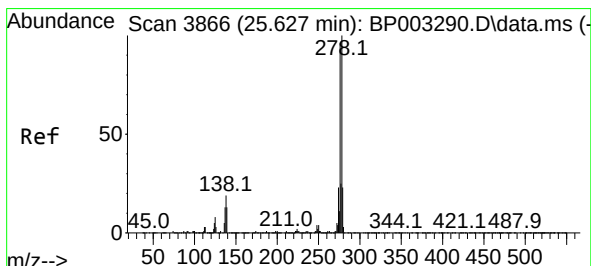
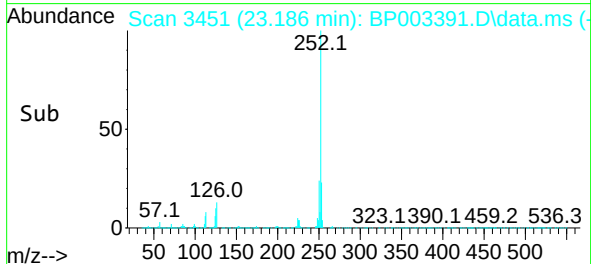
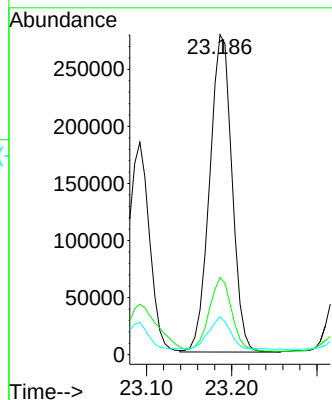
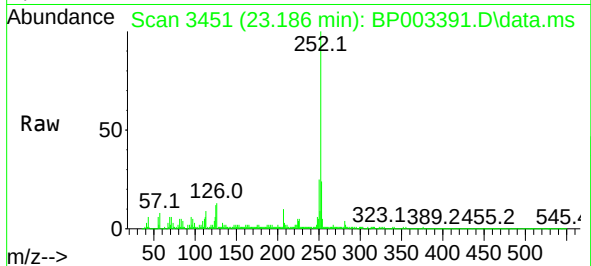




#90
Benzo(a)pyrene
Concen: 12.53 ng
RT: 23.186 min Scan# 3451
Delta R.T. 0.018 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

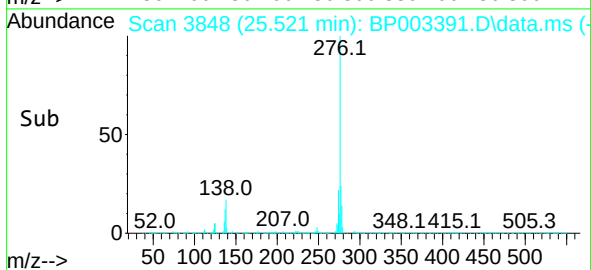
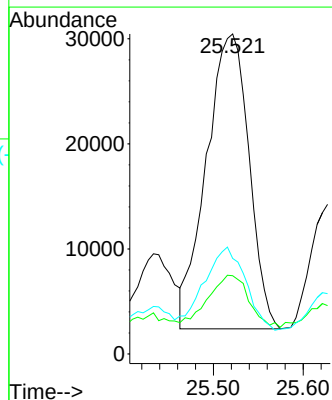
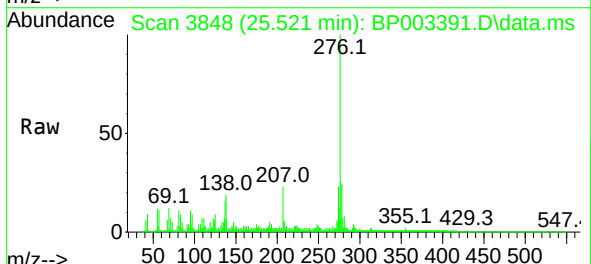
Instrument :
BNA_P
ClientSampleId :
B-3(9-11)DL

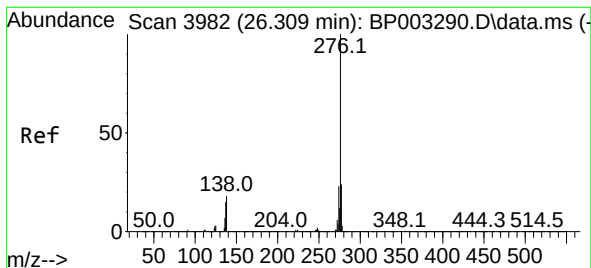
Tgt Ion:252 Resp: 506738
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 11.8 8.2 12.4



#91
Dibenzo(a,h)anthracene
Concen: 2.18 ng
RT: 25.521 min Scan# 3848
Delta R.T. 0.024 min
Lab File: BP003391.D
Acq: 25 Sep 2020 20:41

Tgt Ion:278 Resp: 92621
Ion Ratio Lower Upper
278 100
139 24.4 12.4 18.6#
279 29.8 19.0 28.6#





#92

Benzo(g,h,i)perylene

Concen: 7.65 ng

RT: 26.204 min Scan# 3964

Delta R.T. 0.041 min

Lab File: BP003391.D

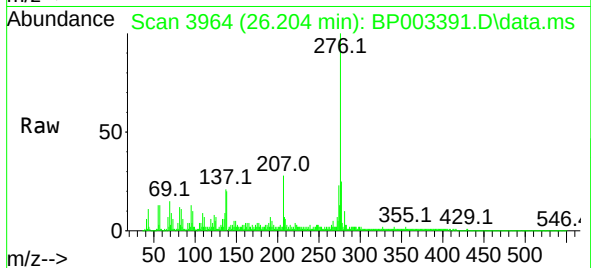
Acq: 25 Sep 2020 20:41

Instrument :

BNA_P

ClientSampleId :

B-3(9-11)DL



Tgt Ion:276 Resp: 324610

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.6

138 19.6 16.6 24.8

