

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111020\
 Data File : BP003915.D
 Acq On : 10 Nov 2020 22:25
 Operator : CG/JU
 Sample : L4617-01DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PE-1-(0.5-1.0)DL

Quant Time: Nov 11 00:14:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 10 13:41:24 2020
 Response via : Initial Calibration

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

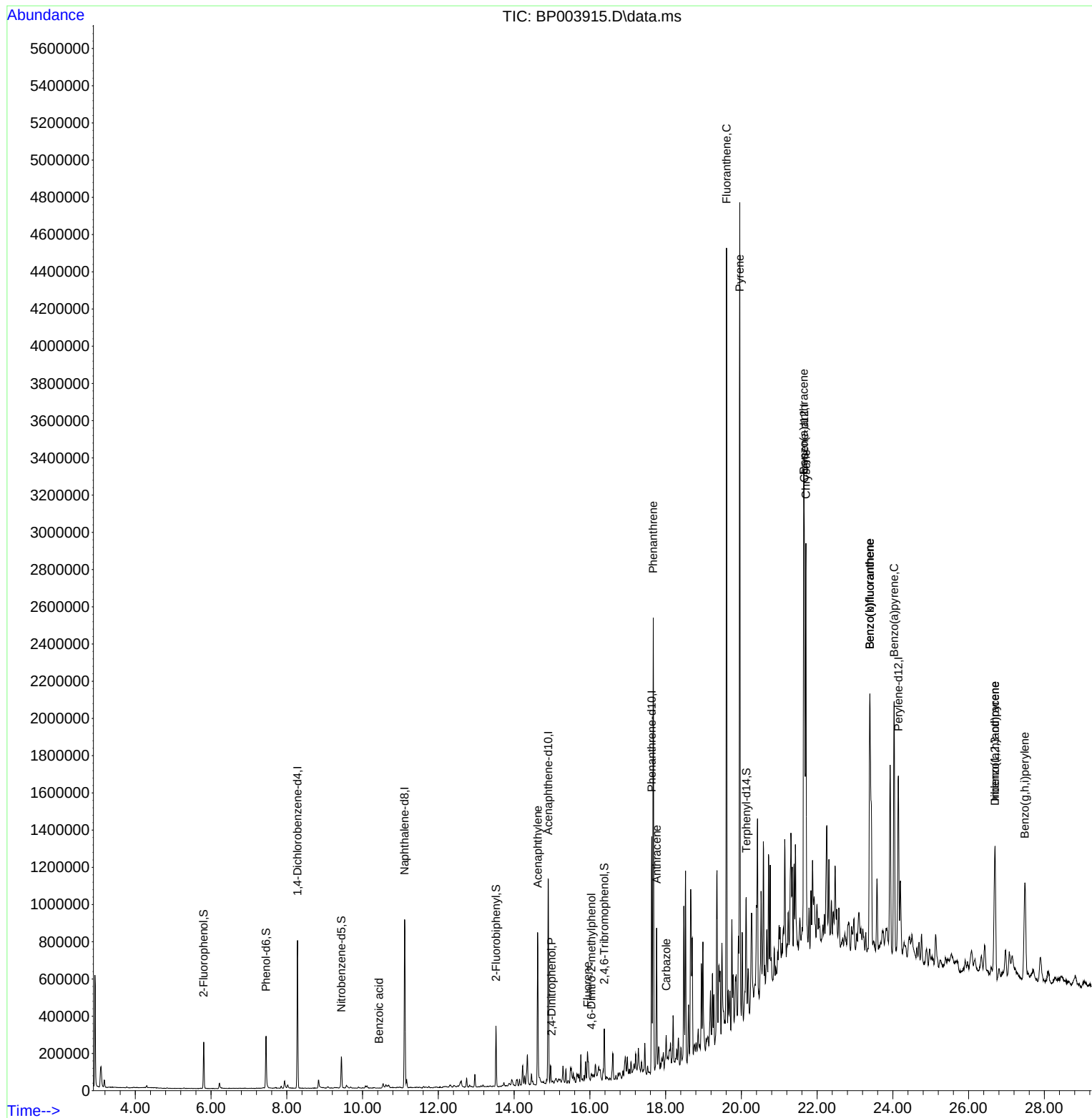
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.281	152	202867	20.00	ng	0.00
21) Naphthalene-d8	11.110	136	702763	20.00	ng	# 0.00
39) Acenaphthene-d10	14.904	164	374265	20.00	ng	0.00
64) Phenanthrene-d10	17.633	188	737295	20.00	ng	# 0.00
76) Chrysene-d12	21.663	240	697502	20.00	ng	0.00
86) Perylene-d12	24.145	264	755402	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.805	112	99676	8.20	ng	0.00
7) Phenol-d6	7.452	99	146556	8.40	ng	0.00
23) Nitrobenzene-d5	9.440	82	91131	6.35	ng	0.00
42) 2,4,6-Tribromophenol	16.381	330	37738	8.06	ng	0.00
45) 2-Fluorobiphenyl	13.522	172	160433	5.99	ng	0.00
79) Terphenyl-d14	20.127	244	177166	4.91	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.387	77	1400	Below Cal	#	76
32) Benzoic acid	10.434	122	164	8.33	ng	# 62
49) Acenaphthylene	14.622	152	613700	17.53	ng	99
54) 2,4-Dinitrophenol	14.986	184	157	2.80	ng	# 1
58) Fluorene	15.939	166	96421	3.48	ng	97
65) 4,6-Dinitro-2-methylph...	16.039	198	149	6.37	ng	# 1
71) Phenanthrene	17.675	178	1371169	33.14	ng	99
72) Anthracene	17.763	178	453023	11.34	ng	99
73) Carbazole	18.016	167	108819	2.93	ng	99
75) Fluoranthene	19.610	202	2384217	49.94	ng	99
78) Pyrene	19.957	202	2478302	52.36	ng	99
81) Benzo(a)anthracene	21.645	228	1131816	24.61	ng	97
83) Chrysene	21.704	228	1280341	28.97	ng	98
87) Indeno(1,2,3-cd)pyrene	26.698	276	684803	12.57	ng	95
88) Benzo(b)fluoranthene	23.392	252	1827853	36.98	ng	98
89) Benzo(k)fluoranthene	23.392	252	1827853	37.45	ng	98
90) Benzo(a)pyrene	24.033	252	1022506	22.34	ng	97
91) Dibenzo(a,h)anthracene	26.692	278	185345	4.08	ng	# 79
92) Benzo(g,h,i)perylene	27.486	276	701765	15.96	ng	99

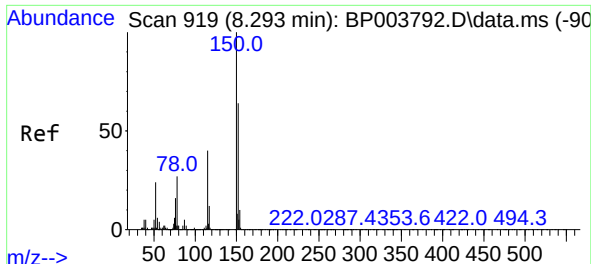
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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Instrument :
BNA_P
ClientSampled :
PE-1-(0.5-1.0)DL

Quant Time: Nov 11 00:14:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 10 13:41:24 2020
Response via : Initial Calibration

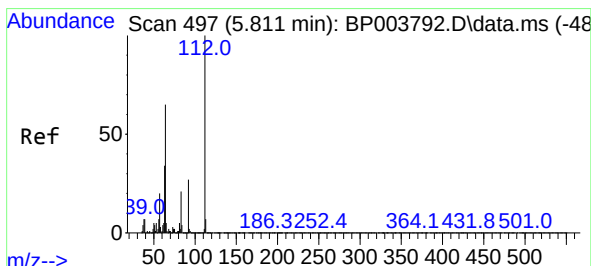
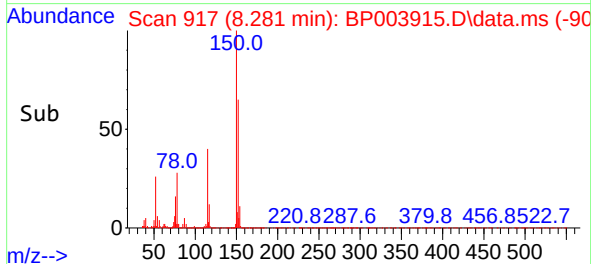
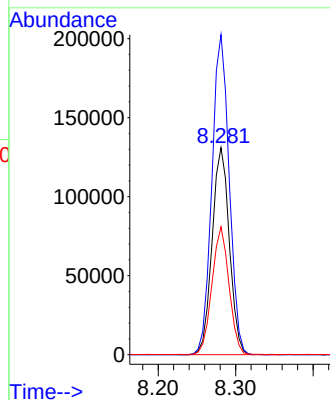
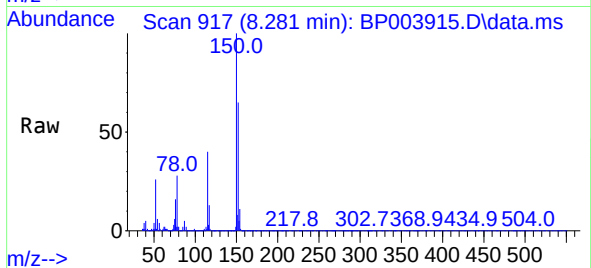




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.281 min Scan# 917
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

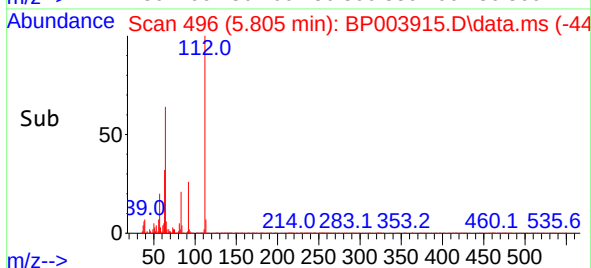
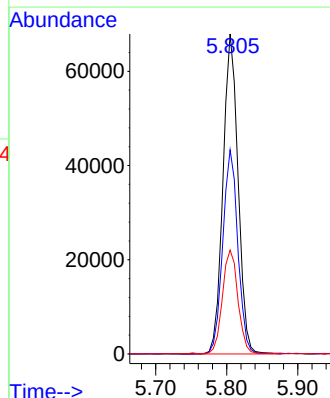
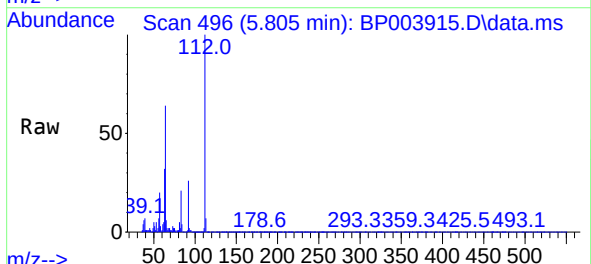
Instrument :
BNA_P
ClientSampleId :
PE-1-(0.5-1.0)DL

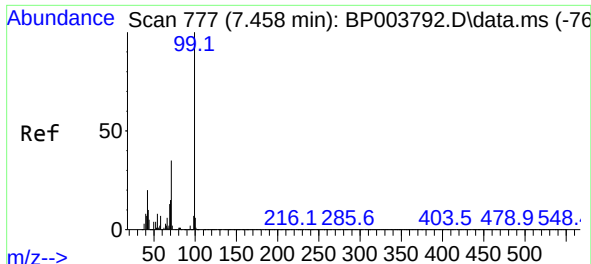
Tgt Ion:152 Resp: 202867
Ion Ratio Lower Upper
152 100
150 154.6 123.8 185.6
115 61.7 43.8 65.6



#5
2-Fluorophenol
Concen: 8.20 ng
RT: 5.805 min Scan# 496
Delta R.T. 0.006 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Tgt Ion:112 Resp: 99676
Ion Ratio Lower Upper
112 100
64 63.8 32.8 49.2#
63 32.4 17.0 25.4#

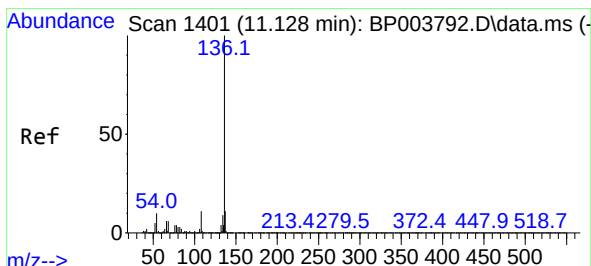
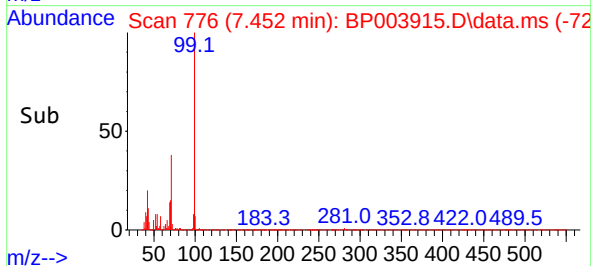
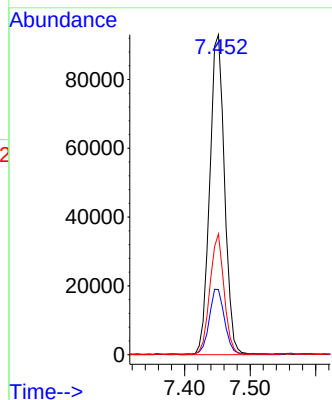
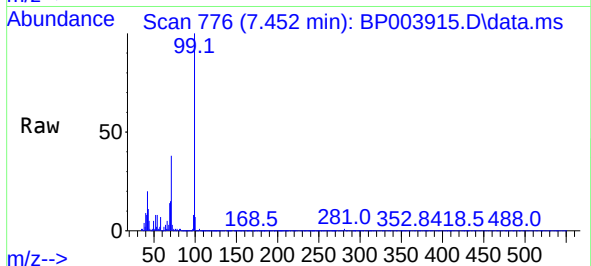




#7
Phenol-d6
Concen: 8.40 ng
RT: 7.452 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

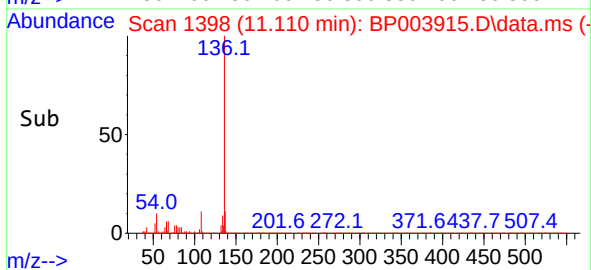
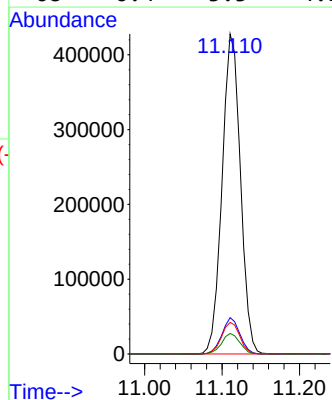
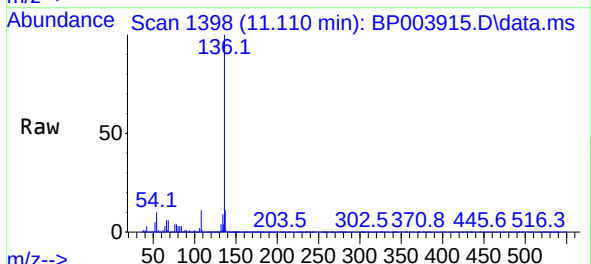
Instrument :
BNA_P
ClientSampleId :
PE-1-(0.5-1.0)DL

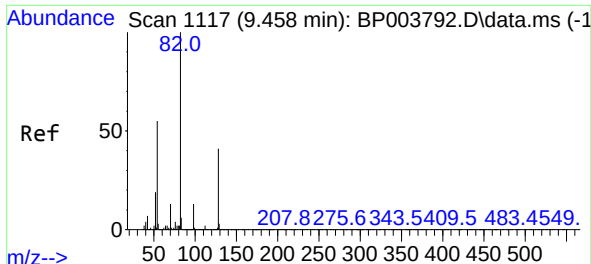
Tgt Ion: 99 Resp: 146556
Ion Ratio Lower Upper
99 100
42 20.3 8.6 13.0#
71 37.8 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.110 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Tgt Ion: 136 Resp: 702763
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.9 3.6 5.4#
68 6.4 3.3 4.9#

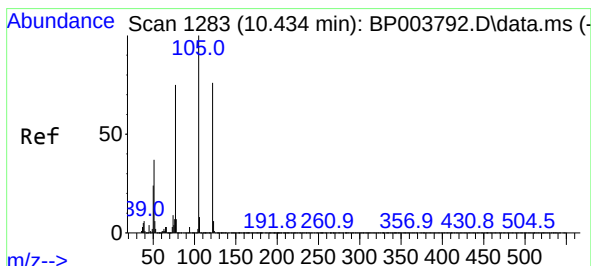
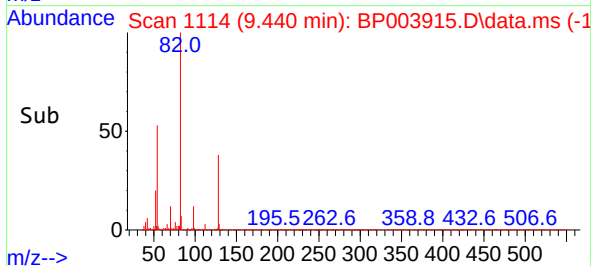
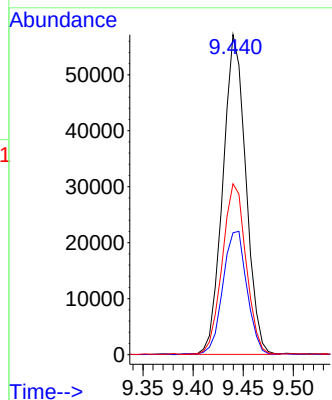
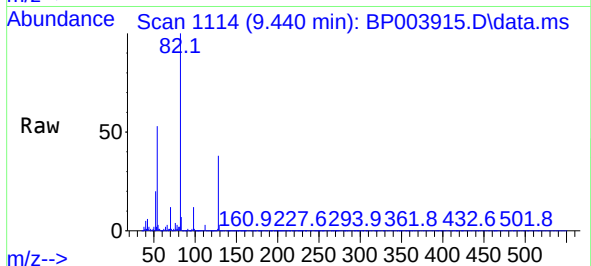




#23
Nitrobenzene-d5
Concen: 6.35 ng
RT: 9.440 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

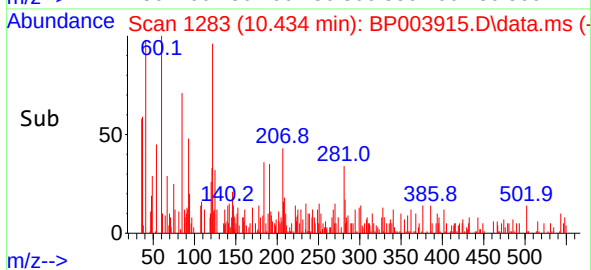
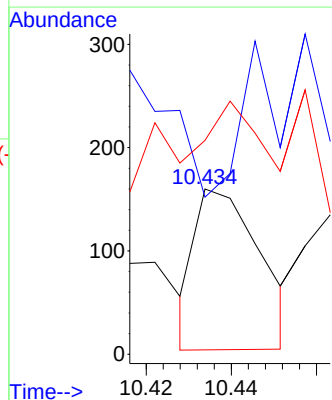
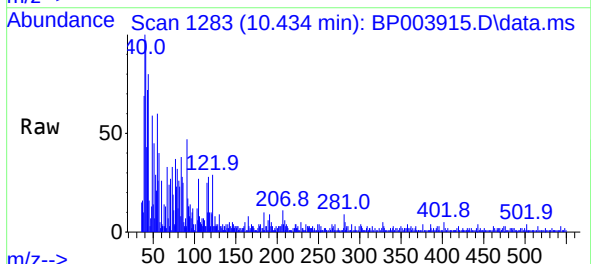
Instrument :
BNA_P
ClientSampleId :
PE-1-(0.5-1.0)DL

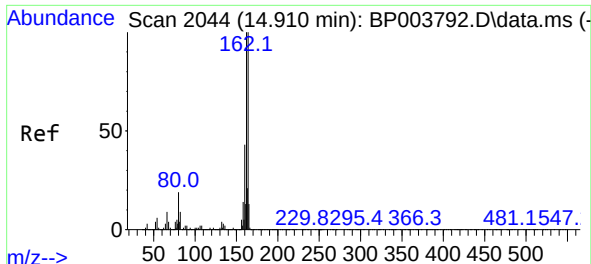
Tgt Ion: 82 Resp: 91131
Ion Ratio Lower Upper
82 100
128 38.1 45.6 68.4#
54 53.4 30.1 45.1#



#32
Benzoic acid
Concen: 8.33 ng
RT: 10.434 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Tgt Ion: 122 Resp: 164
Ion Ratio Lower Upper
122 100
105 95.0 94.1 134.1
77 129.4 50.1 90.1#

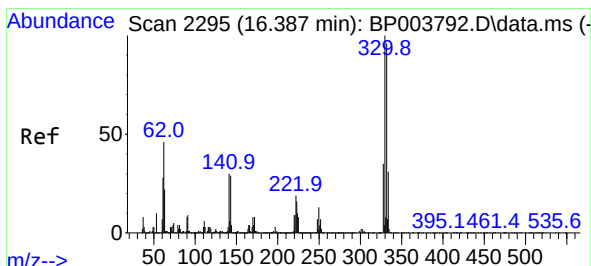
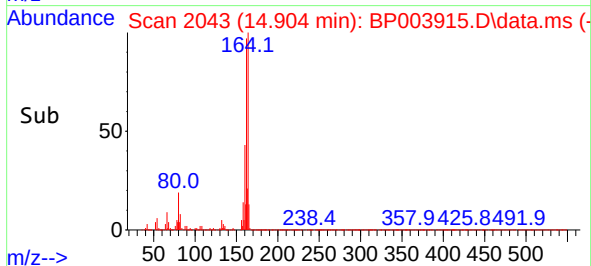
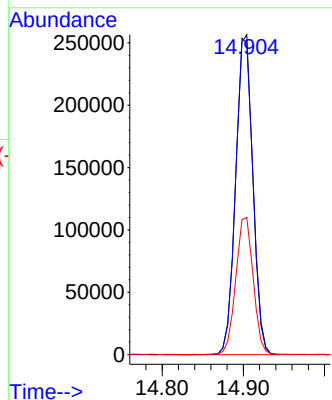
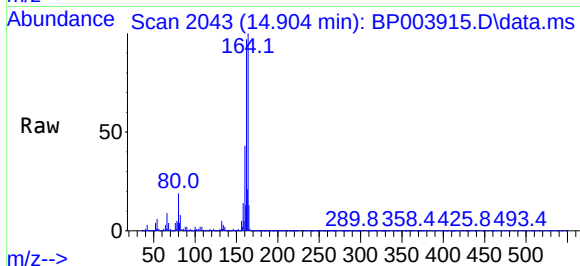




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.904 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

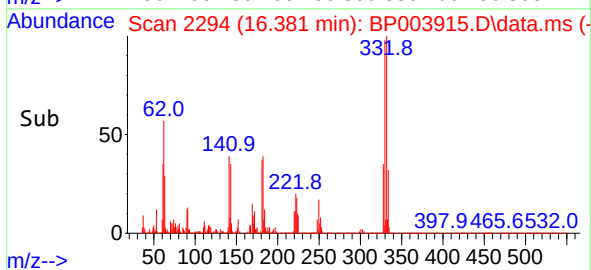
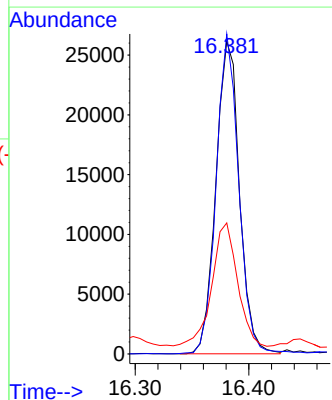
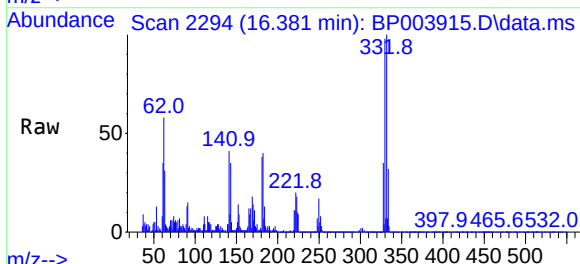
Instrument :
BNA_P
ClientSampleId :
PE-1-(0.5-1.0)DL

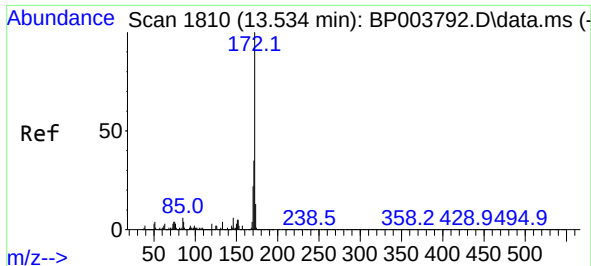
Tgt Ion:164 Resp: 374265
Ion Ratio Lower Upper
164 100
162 97.4 79.4 119.2
160 42.9 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 8.06 ng
RT: 16.381 min Scan# 2294
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Tgt Ion:330 Resp: 37738
Ion Ratio Lower Upper
330 100
332 98.1 77.1 115.7
141 44.1 23.4 35.2#

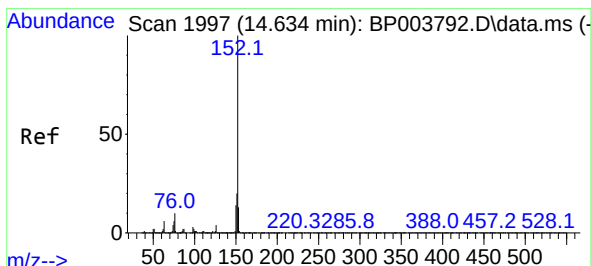
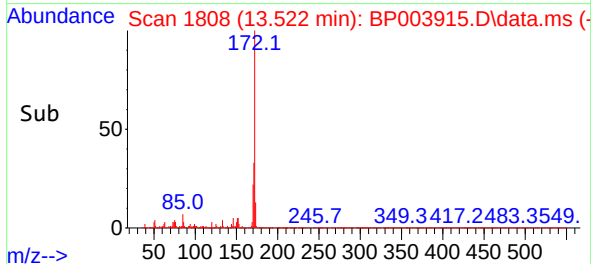
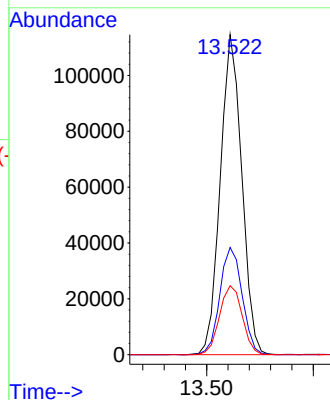
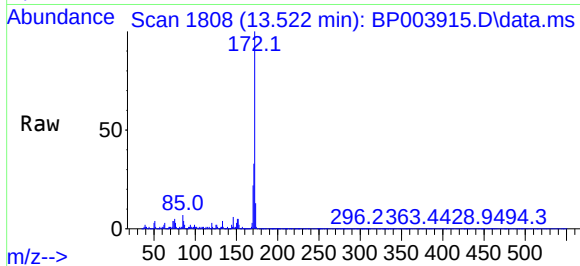




#45
2-Fluorobiphenyl
Concen: 5.99 ng
RT: 13.522 min Scan# 1808
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

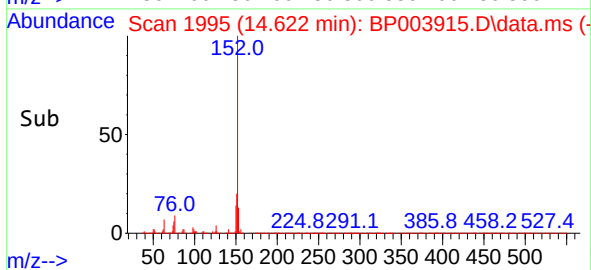
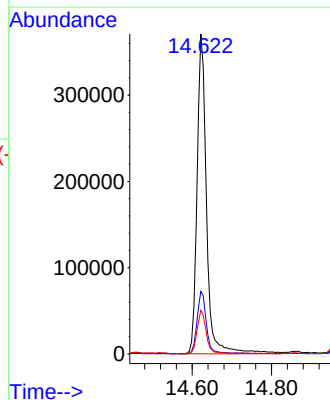
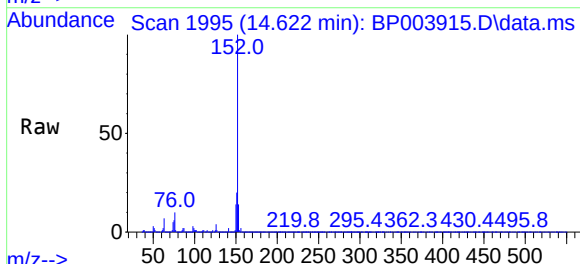
Instrument :
BNA_P
ClientSampleId :
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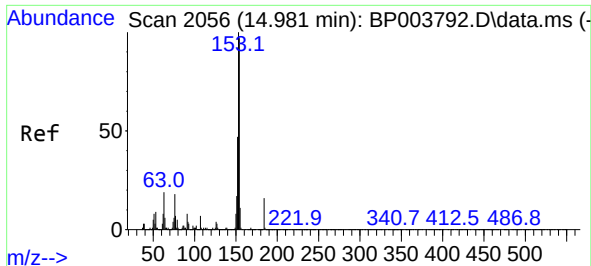
Tgt Ion:	172	Resp:	160433
Ion Ratio	Lower	Upper	
172	100		
171	33.5	28.5	42.7
170	21.6	19.2	28.8



#49
Acenaphthylene
Concen: 17.53 ng
RT: 14.622 min Scan# 1995
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Tgt Ion:	152	Resp:	613700
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.9	23.9
153	13.6	10.5	15.7

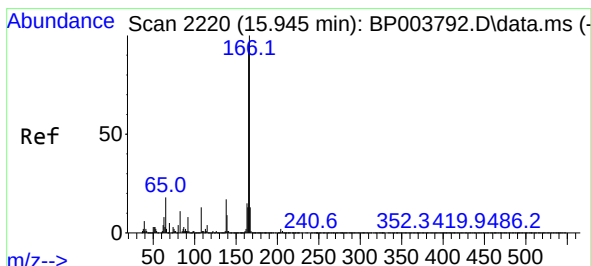
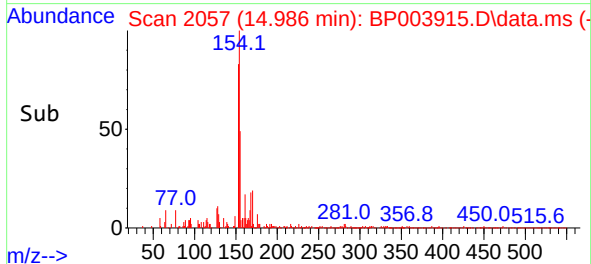
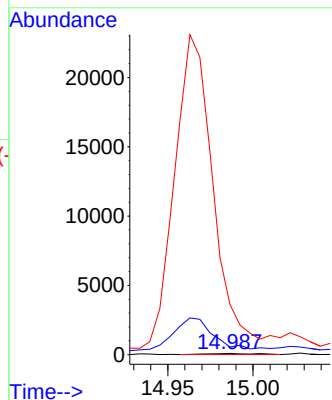
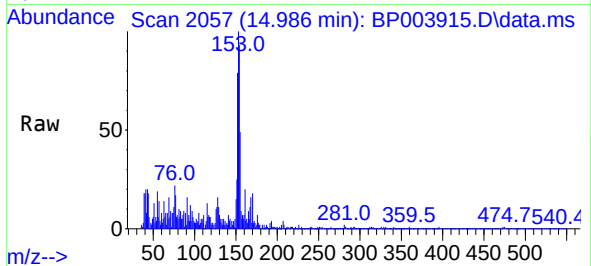




#54
2,4-Dinitrophenol
Concen: 2.80 ng
RT: 14.986 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

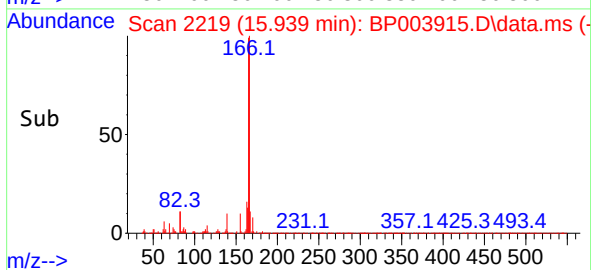
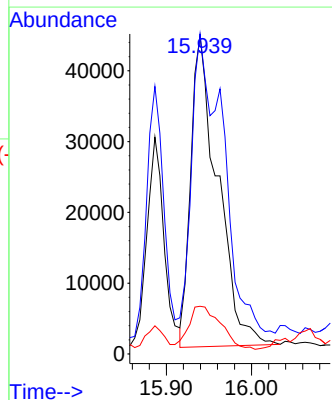
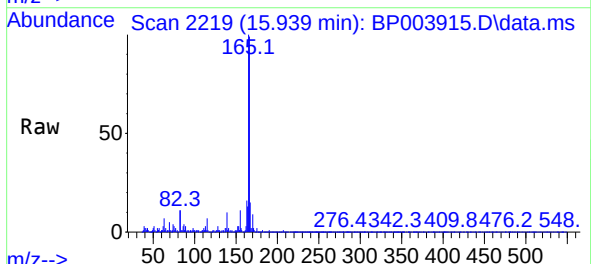
Instrument :
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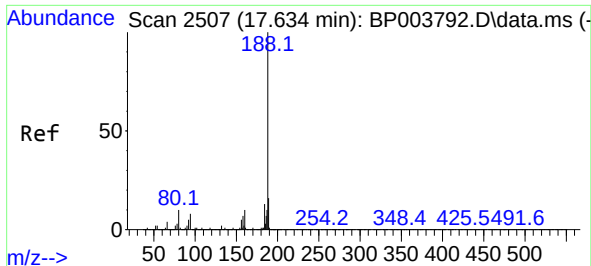
Tgt Ion:184 Resp: 157
Ion Ratio Lower Upper
184 100
63 626.1 32.3 48.5#
154 4121.6 49.1 73.7#



#58
Fluorene
Concen: 3.48 ng
RT: 15.939 min Scan# 2219
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Tgt Ion:166 Resp: 96421
Ion Ratio Lower Upper
166 100
165 100.6 77.8 116.8
167 15.0 11.0 16.4

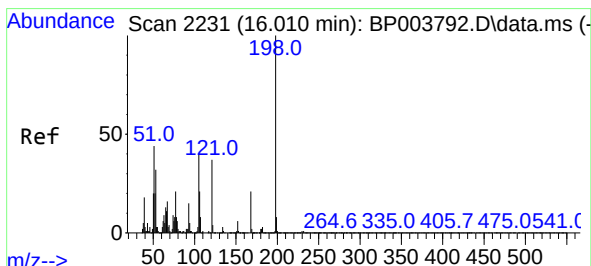
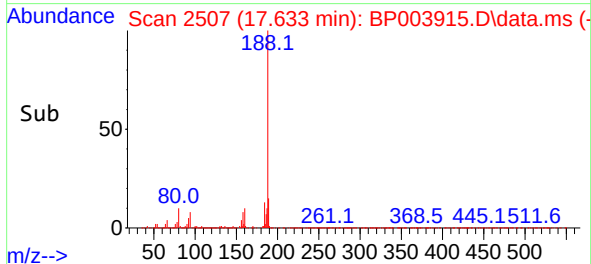
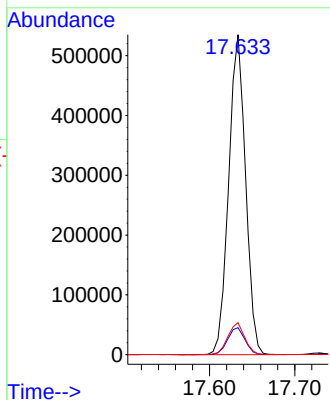
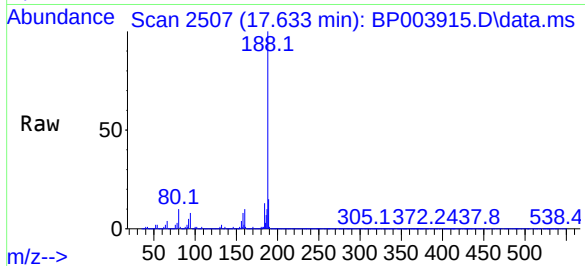




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.633 min Scan# 2507
Delta R.T. 0.006 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

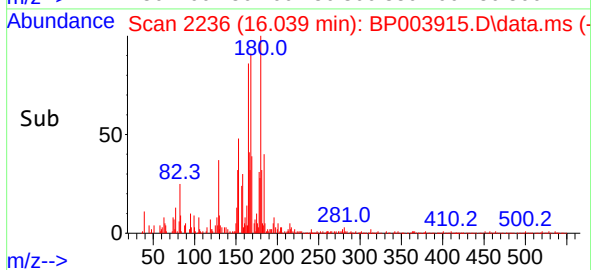
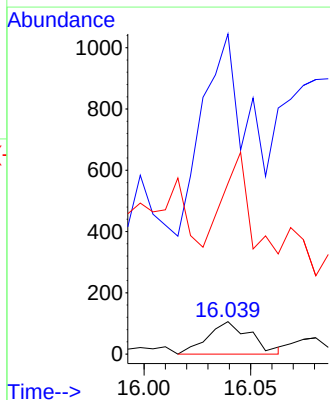
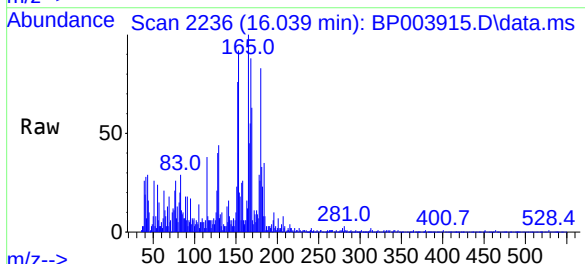
Instrument :
BNA_P
ClientSampleId :
PE-1-(0.5-1.0)DL

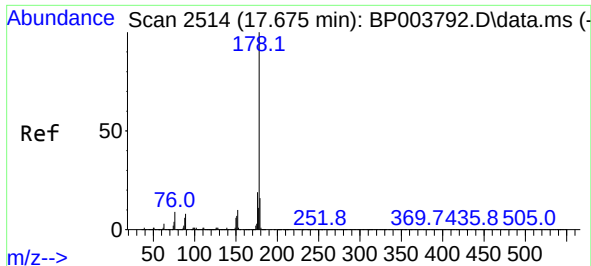
Tgt Ion:188 Resp: 737295
Ion Ratio Lower Upper
188 100
94 8.5 6.2 9.2
80 10.0 6.2 9.2#



#65
4,6-Dinitro-2-methylphenol
Concen: 6.37 ng
RT: 16.039 min Scan# 2236
Delta R.T. 0.029 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Tgt Ion:198 Resp: 149
Ion Ratio Lower Upper
198 100
51 985.8 6.4 46.4#
105 525.5 18.9 58.9#

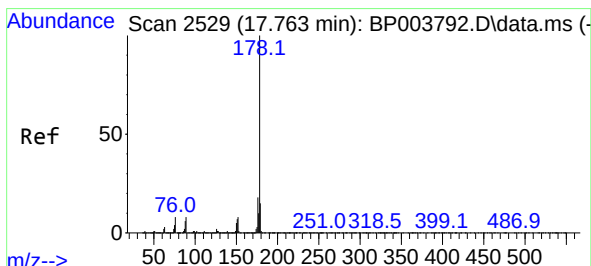
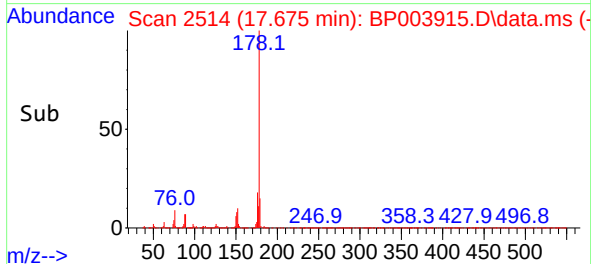
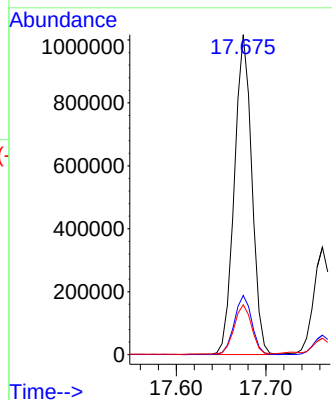
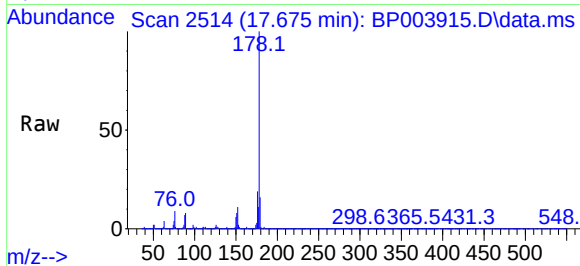




#71
Phenanthrene
Concen: 33.14 ng
RT: 17.675 min Scan# 2514
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

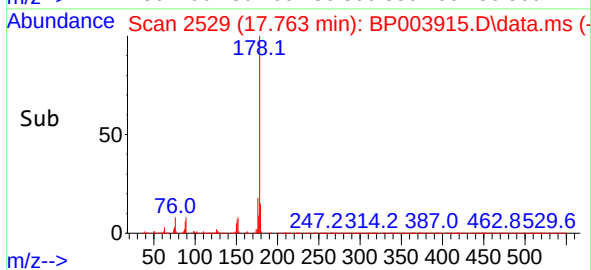
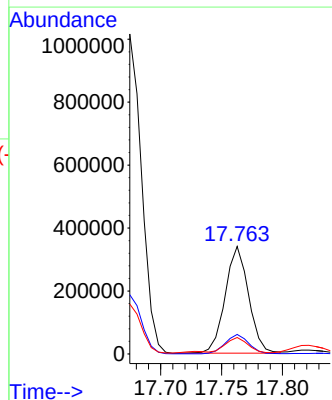
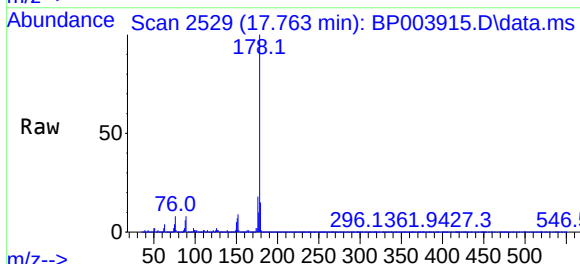
Instrument :
BNA_P
ClientSampleId :
PE-1-(0.5-1.0)DL

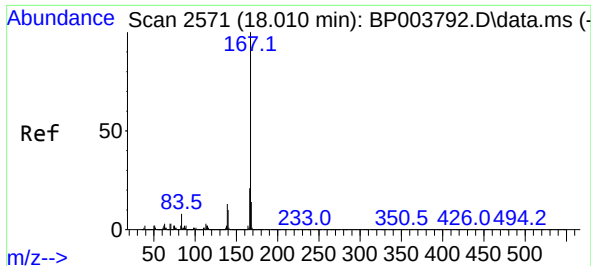
Tgt Ion:178 Resp: 1371169
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 11.34 ng
RT: 17.763 min Scan# 2529
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Tgt Ion:178 Resp: 453023
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.4
179 15.4 12.5 18.7

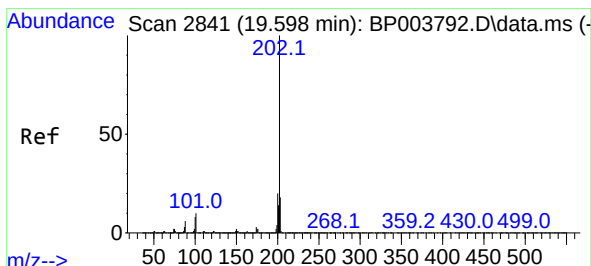
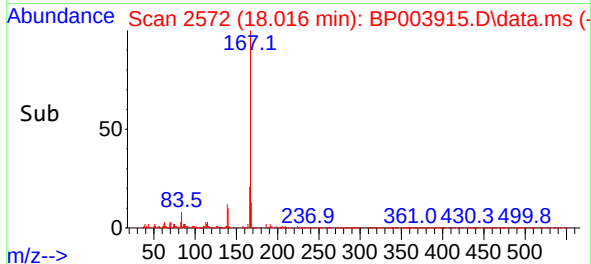
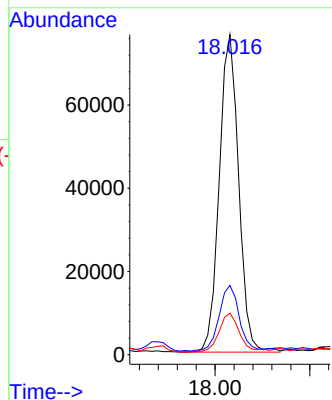
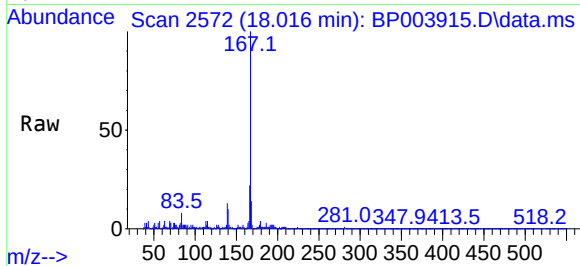




#73
 Carbazole
 Concen: 2.93 ng
 RT: 18.016 min Scan# 2572
 Delta R.T. 0.006 min
 Lab File: BP003915.D
 Acq: 10 Nov 2020 22:25

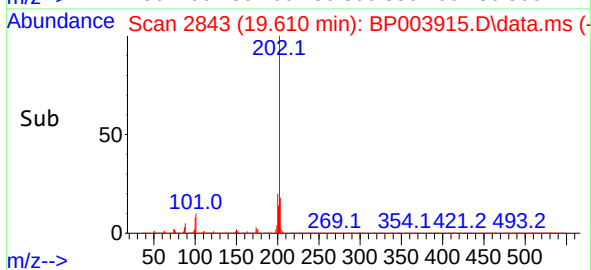
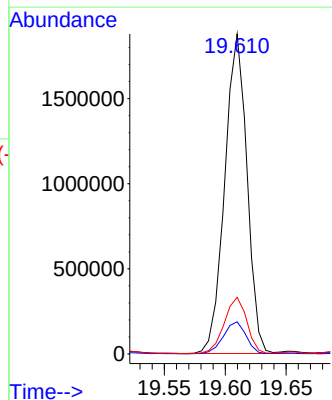
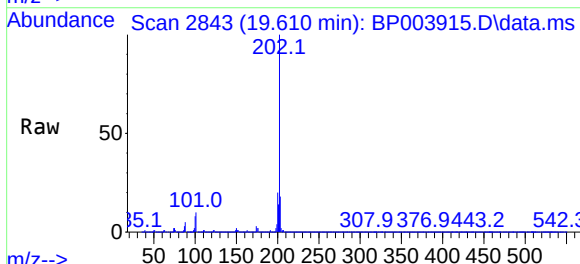
Instrument :
 BNA_P
 ClientSampleId :
 PE-1-(0.5-1.0)DL

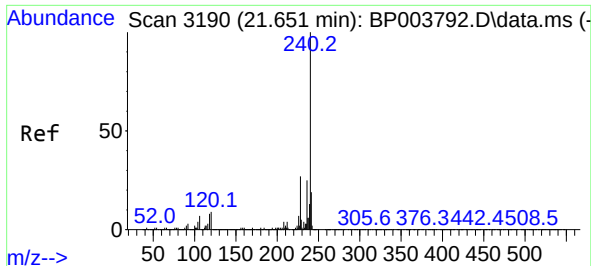
Tgt Ion:	167	Resp:	108819
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.6	26.4
139	13.0	10.2	15.4



#75
 Fluoranthene
 Concen: 49.94 ng
 RT: 19.610 min Scan# 2843
 Delta R.T. 0.006 min
 Lab File: BP003915.D
 Acq: 10 Nov 2020 22:25

Tgt Ion:	202	Resp:	2384217
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.4
203	17.7	0.0	37.8

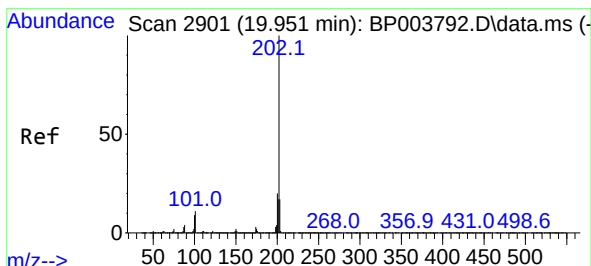
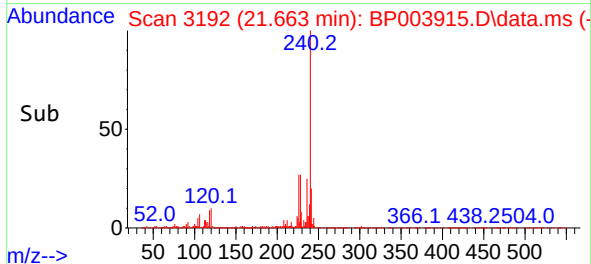
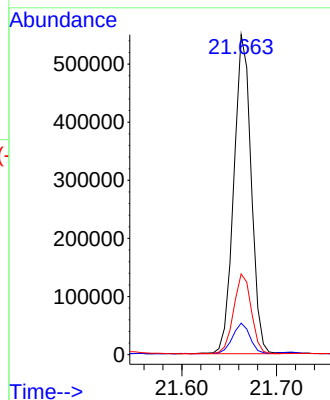
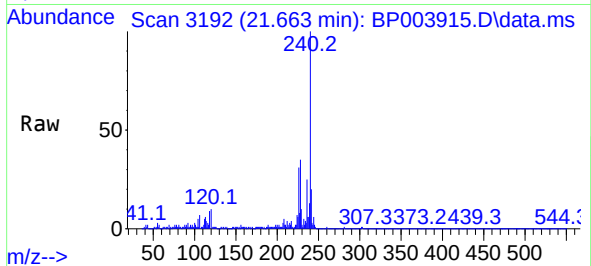




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.663 min Scan# 3192
Delta R.T. 0.006 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

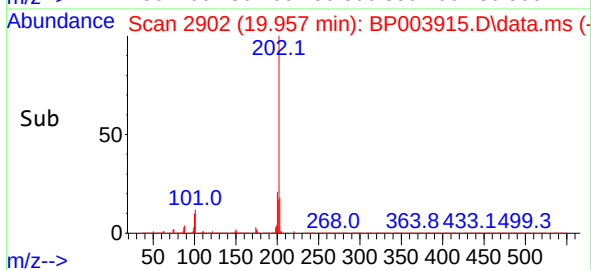
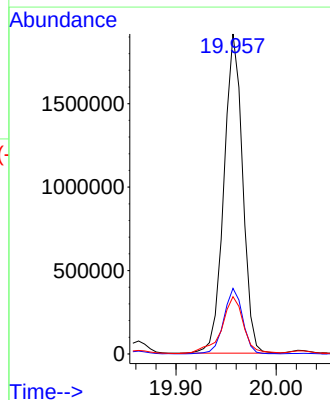
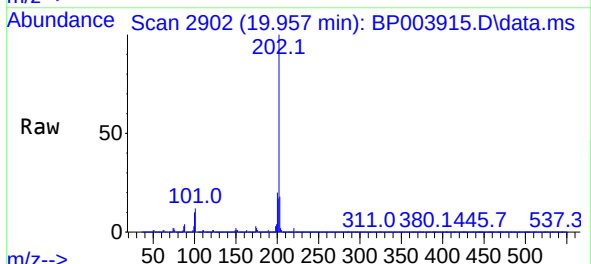
Instrument :
BNA_P
ClientSampleId :
PE-1-(0.5-1.0)DL

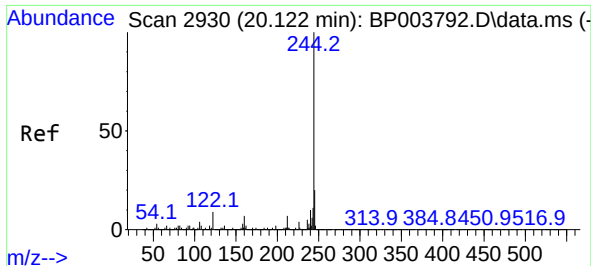
Tgt Ion:240 Resp: 697502
Ion Ratio Lower Upper
240 100
120 9.9 7.8 11.6
236 25.3 20.8 31.2



#78
Pyrene
Concen: 52.36 ng
RT: 19.957 min Scan# 2902
Delta R.T. 0.006 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Tgt Ion:202 Resp: 2478302
Ion Ratio Lower Upper
202 100
200 20.5 17.1 25.7
203 17.9 14.2 21.2



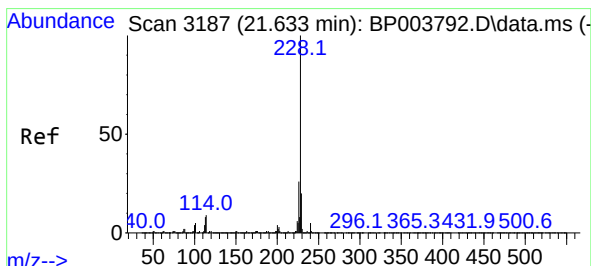
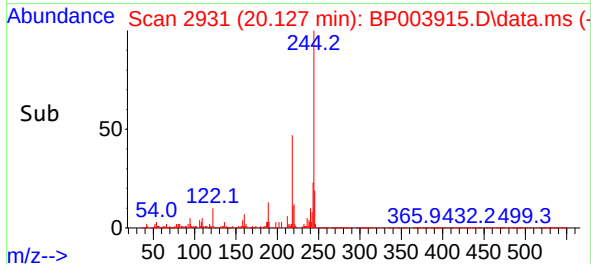
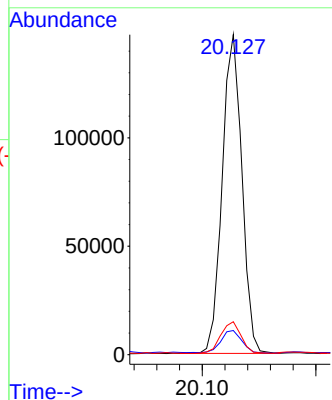
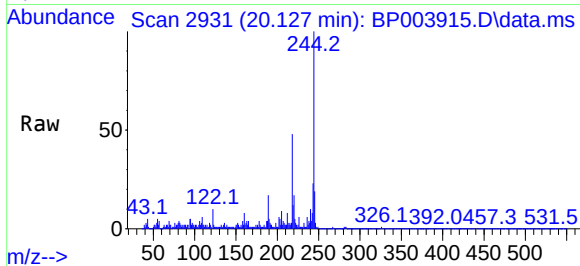


#79
Terphenyl-d14
Concen: 4.91 ng
RT: 20.127 min Scan# 2931
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Instrument :
BNA_P
ClientSampleId :
PE-1-(0.5-1.0)DL

Tgt Ion:244 Resp: 177166

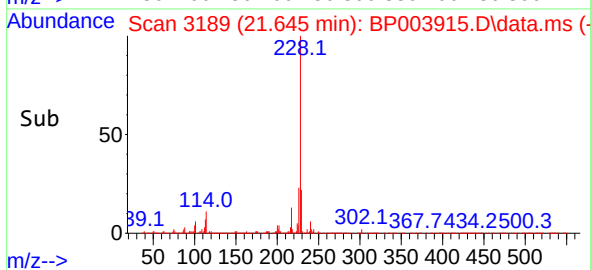
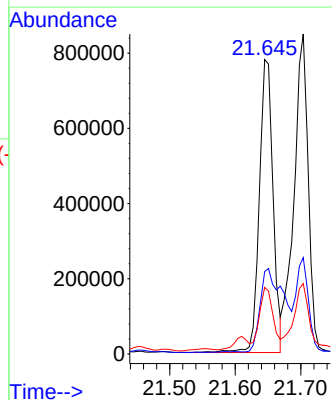
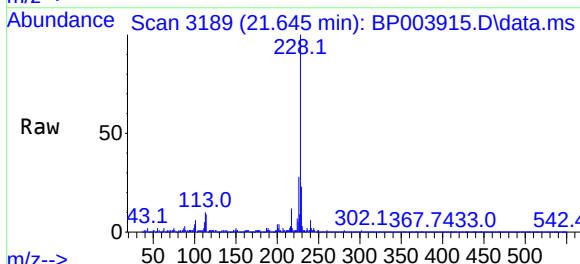
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	10.3	7.8	11.8

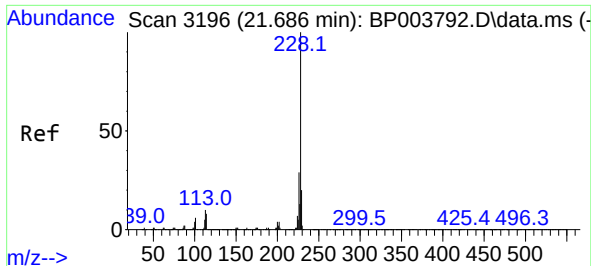


#81
Benzo(a)anthracene
Concen: 24.61 ng
RT: 21.645 min Scan# 3189
Delta R.T. -0.000 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Tgt Ion:228 Resp: 1131816

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.1	33.1
229	22.6	15.9	23.9



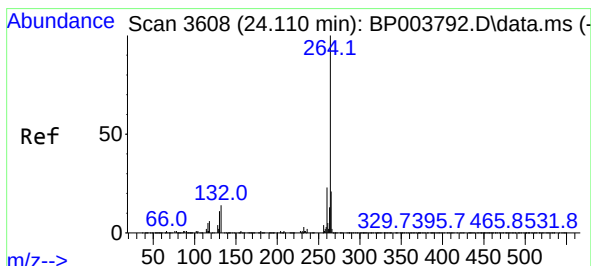
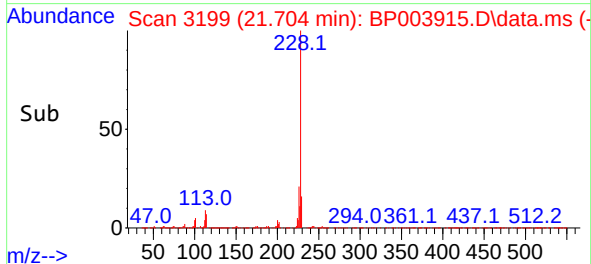
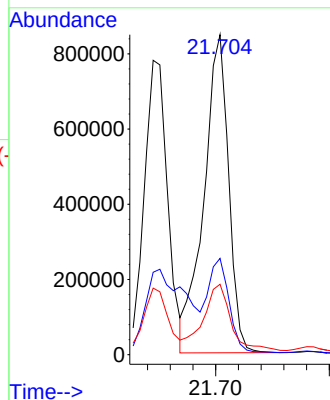
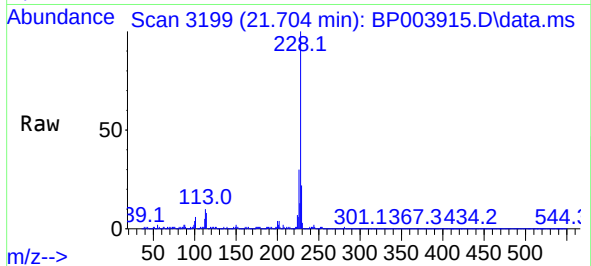


#83
Chrysene
Concen: 28.97 ng
RT: 21.704 min Scan# 3199
Delta R.T. 0.006 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Instrument :
BNA_P
ClientSampleId :
PE-1-(0.5-1.0)DL

Tgt Ion:228 Resp: 1280341

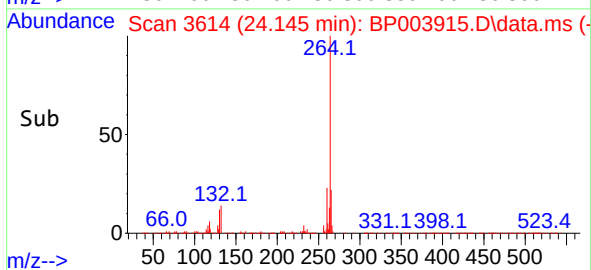
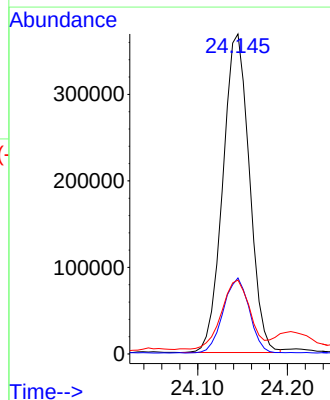
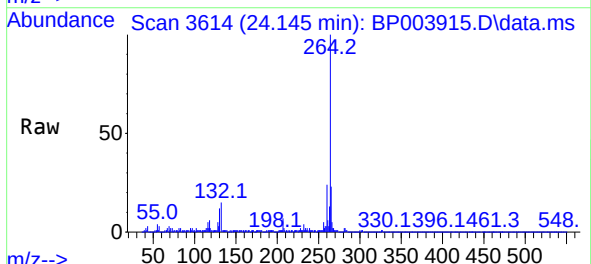
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	22.0	15.8	23.6

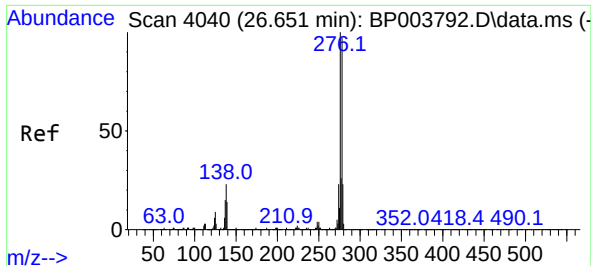


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.145 min Scan# 3614
Delta R.T. 0.018 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Tgt Ion:264 Resp: 755402

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	23.1	17.4	26.2

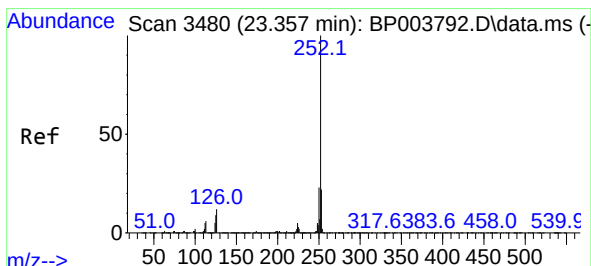
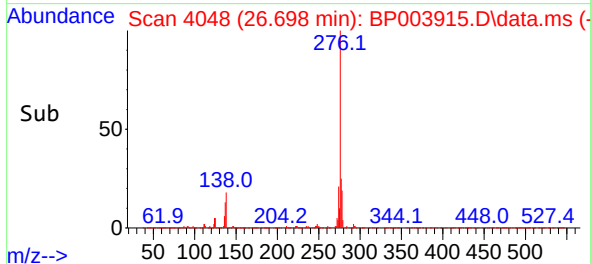
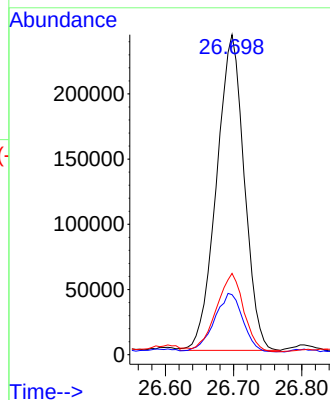
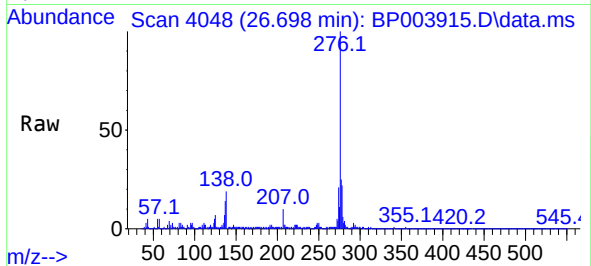




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 12.57 ng
 RT: 26.698 min Scan# 4048
 Delta R.T. 0.012 min
 Lab File: BP003915.D
 Acq: 10 Nov 2020 22:25

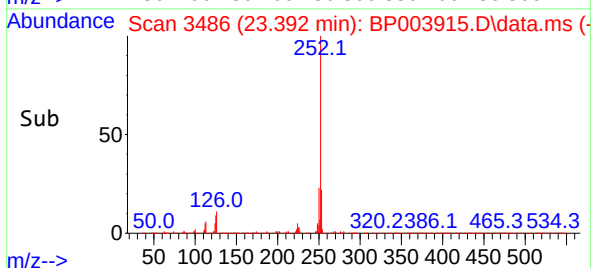
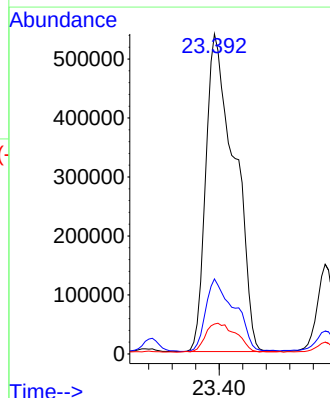
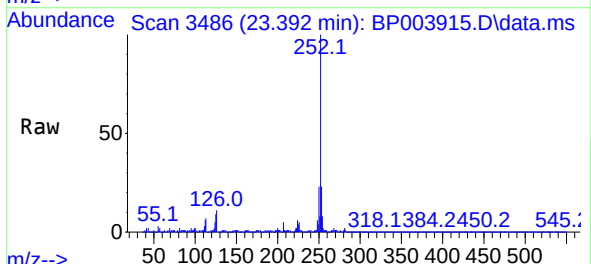
Instrument :
 BNA_P
 ClientSampleId :
 PE-1-(0.5-1.0)DL

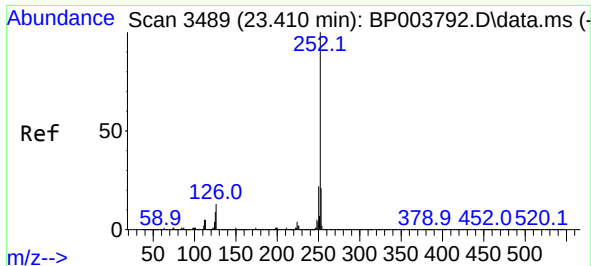
Tgt Ion:	276	Resp:	684803
Ion Ratio	Lower	Upper	
276	100		
138	19.2	18.7	28.1
277	24.6	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 36.98 ng
 RT: 23.392 min Scan# 3486
 Delta R.T. 0.012 min
 Lab File: BP003915.D
 Acq: 10 Nov 2020 22:25

Tgt Ion:	252	Resp:	1827853
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.6	26.4
125	9.3	7.3	10.9

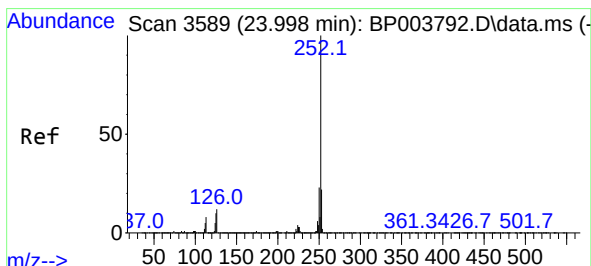
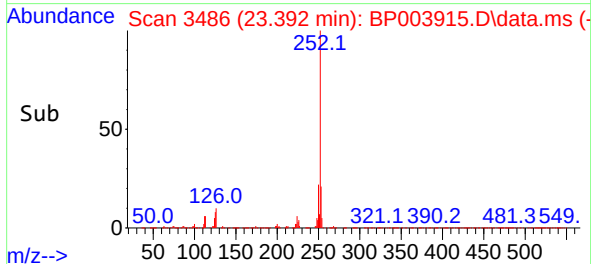
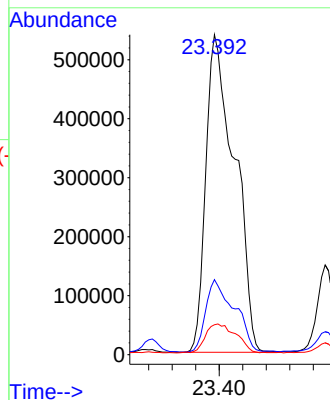
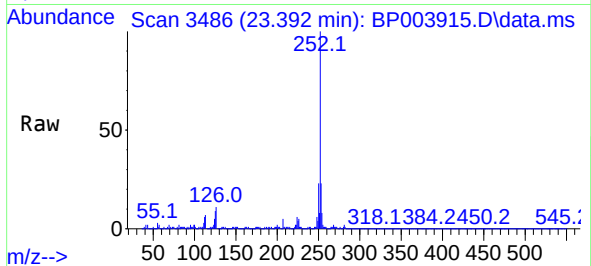




#89
Benzo(k)fluoranthene
Concen: 37.45 ng
RT: 23.392 min Scan# 3486
Delta R.T. -0.035 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

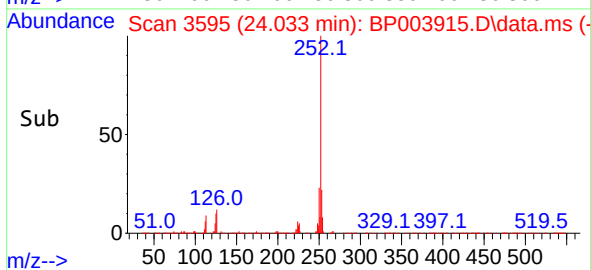
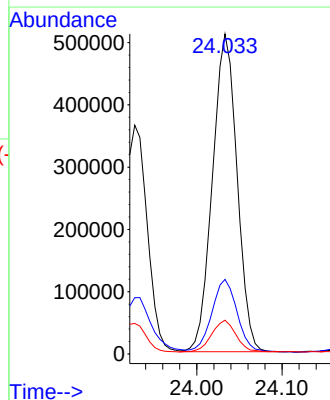
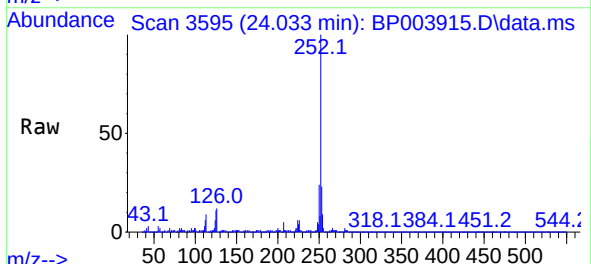
Instrument :
BNA_P
ClientSampleId :
PE-1-(0.5-1.0)DL

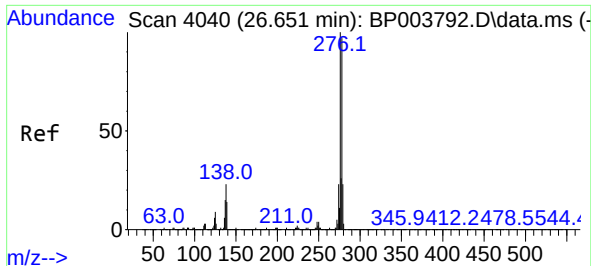
Tgt Ion:252 Resp: 1827853
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 9.3 7.4 11.2



#90
Benzo(a)pyrene
Concen: 22.34 ng
RT: 24.033 min Scan# 3595
Delta R.T. 0.012 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Tgt Ion:252 Resp: 1022506
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 10.5 8.2 12.4

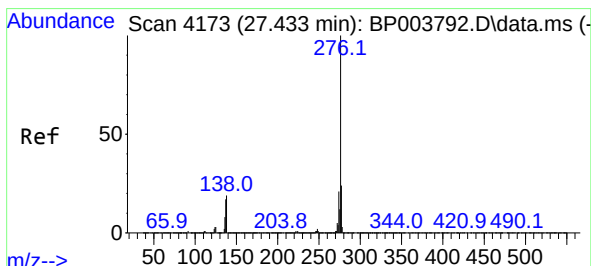
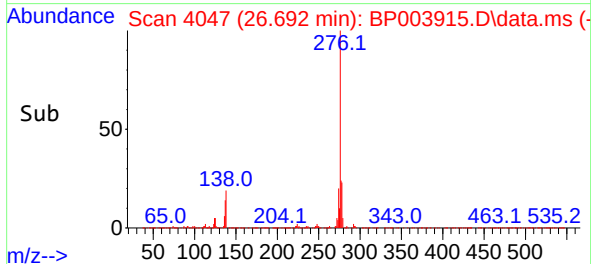
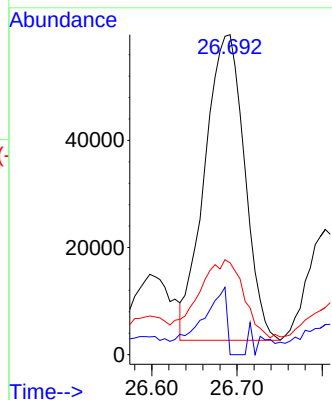
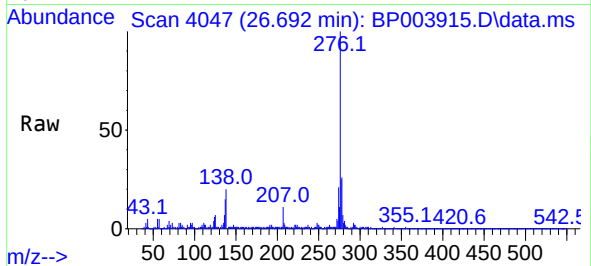




#91
Dibenzo(a,h)anthracene
Concen: 4.08 ng
RT: 26.692 min Scan# 4047
Delta R.T. 0.006 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Instrument :
BNA_P
ClientSampleId :
PE-1-(0.5-1.0)DL

Tgt Ion:278 Resp: 185345
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6#
279 28.7 19.0 28.6#



#92
Benzo(g,h,i)perylene
Concen: 15.96 ng
RT: 27.486 min Scan# 4182
Delta R.T. 0.012 min
Lab File: BP003915.D
Acq: 10 Nov 2020 22:25

Tgt Ion:276 Resp: 701765
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.6
138 19.8 16.6 24.8

