

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112320\
 Data File : BP004062.D
 Acq On : 23 Nov 2020 19:04
 Operator : CG/JU
 Sample : L4857-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 340EM-STOCKPILE-EAST

Quant Time: Nov 24 06:23:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 23 16:42:41 2020
 Response via : Initial Calibration

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

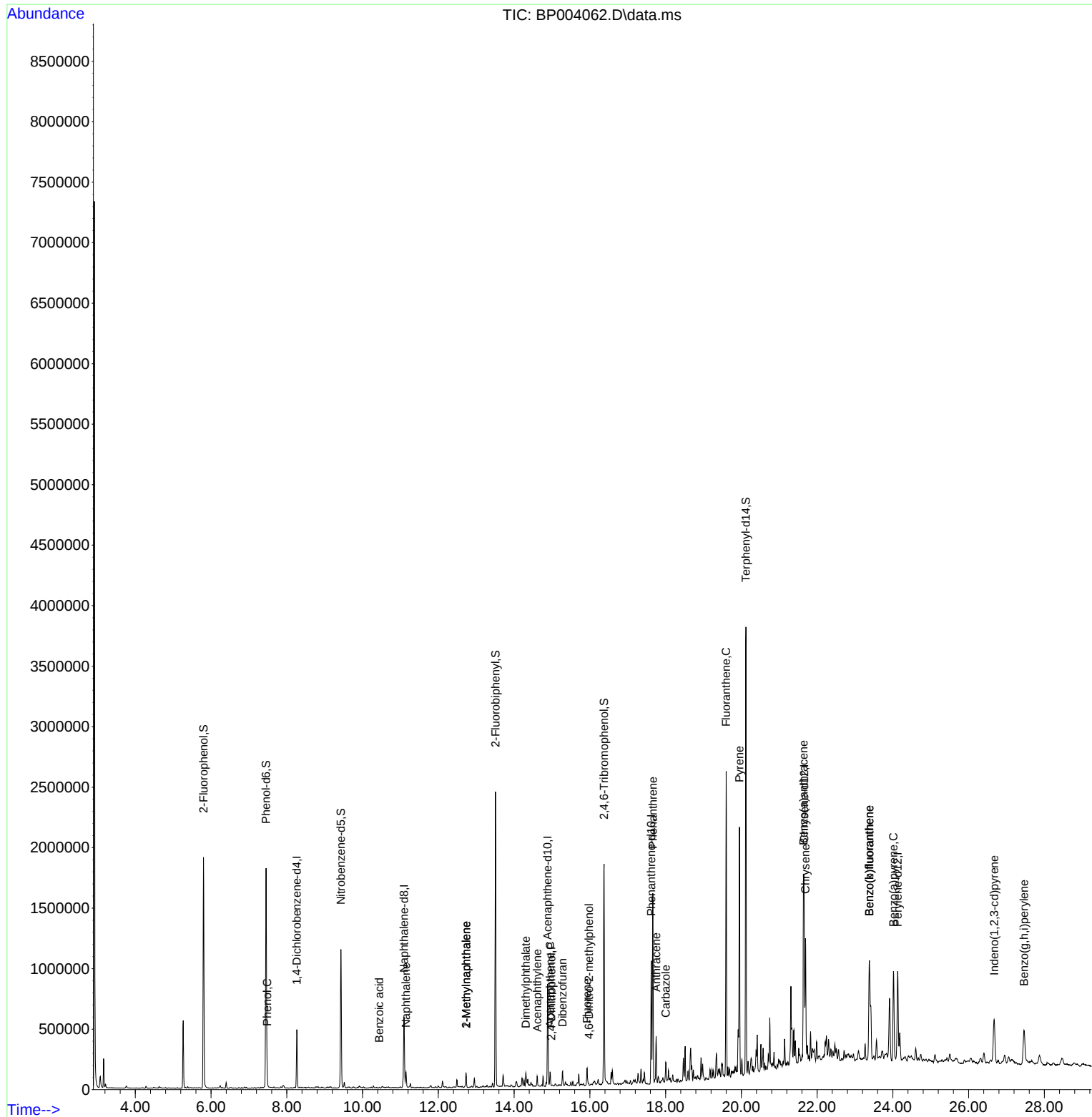
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.263	152	121720	20.00	ng	0.00
21) Naphthalene-d8	11.093	136	469237	20.00	ng	# 0.00
39) Acenaphthene-d10	14.887	164	282245	20.00	ng	0.00
64) Phenanthrene-d10	17.622	188	595941	20.00	ng	0.00
76) Chrysene-d12	21.657	240	558065	20.00	ng	0.00
86) Perylene-d12	24.127	264	584342	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	785151	107.66	ng	0.00
7) Phenol-d6	7.452	99	1010864	96.56	ng	0.00
23) Nitrobenzene-d5	9.428	82	644341	67.25	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	361772	102.48	ng	0.00
45) 2-Fluorobiphenyl	13.510	172	1263151	62.57	ng	0.00
79) Terphenyl-d14	20.122	244	1551499	53.71	ng	0.00
Target Compounds						
9) Benzaldehyde	7.369	77	3023	Below Cal	#	71
10) Phenol	7.481	94	41197	4.08	ng	78
31) Naphthalene	11.146	128	98013	3.89	ng	99
32) Benzoic acid	10.440	122	109	8.33	ng	# 1
37) 2-Methylnaphthalene	12.734	142	58132	3.23	ng	96
38) 1-Methylnaphthalene	12.734	142	58132	3.38	ng	98
49) Acenaphthylene	14.610	152	54987	2.08	ng	96
50) Dimethylphthalate	14.310	163	70137	3.18	ng	99
52) Acenaphthene	14.951	154	37124	2.11	ng	98
54) 2,4-Dinitrophenol	14.981	184	27	2.75	ng	# 1
55) Dibenzofuran	15.281	168	58724	2.25	ng	# 95
58) Fluorene	15.928	166	62260	2.98	ng	97
65) 4,6-Dinitro-2-methylph...	15.975	198	170	6.39	ng	# 1
71) Phenanthrene	17.663	178	928530	27.76	ng	99
72) Anthracene	17.751	178	233487	7.23	ng	99
73) Carbazole	18.004	167	99737	3.33	ng	98
75) Fluoranthene	19.598	202	1463898	37.93	ng	99
78) Pyrene	19.951	202	1279571	33.79	ng	98
81) Benzo(a)anthracene	21.639	228	665085	18.07	ng	97
83) Chrysene	21.692	228	625455	17.69	ng	96
87) Indeno(1,2,3-cd)pyrene	26.674	276	387497	9.19	ng	# 93
88) Benzo(b)fluoranthene	23.380	252	1053952	27.56	ng	99
89) Benzo(k)fluoranthene	23.380	252	1053952	27.91	ng	99
90) Benzo(a)pyrene	24.015	252	563732	15.93	ng	98
92) Benzo(g,h,i)perylene	27.462	276	384807	11.31	ng	97

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

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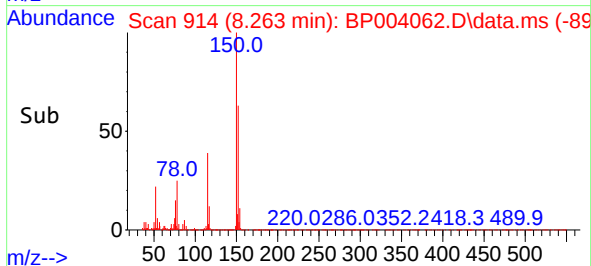
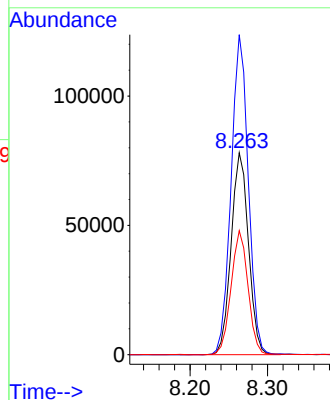
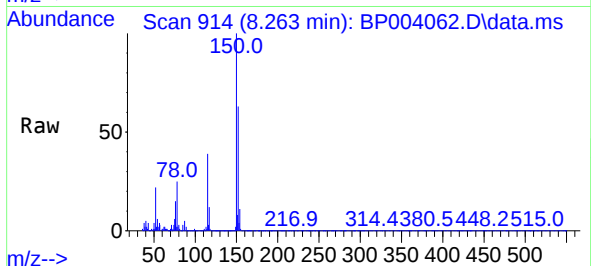




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.263 min Scan# 914
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

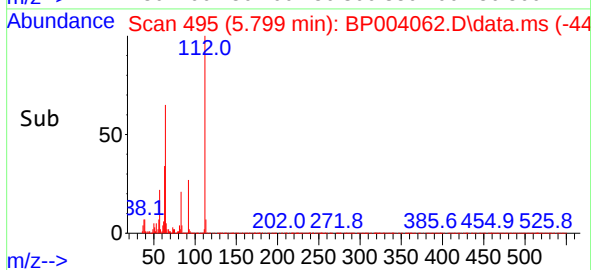
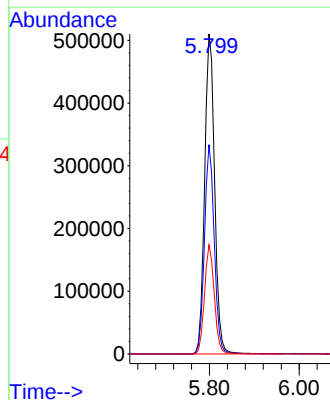
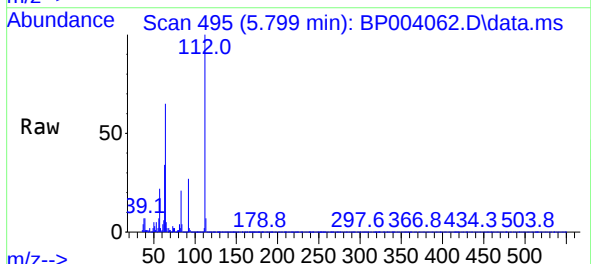
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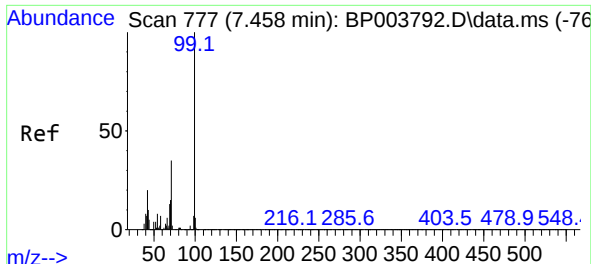
Tgt Ion:152 Resp: 121720
Ion Ratio Lower Upper
152 100
150 158.4 123.8 185.6
115 61.4 43.8 65.6



#5
2-Fluorophenol
Concen: 107.66 ng
RT: 5.799 min Scan# 495
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:112 Resp: 785151
Ion Ratio Lower Upper
112 100
64 65.4 32.8 49.2#
63 34.1 17.0 25.4#

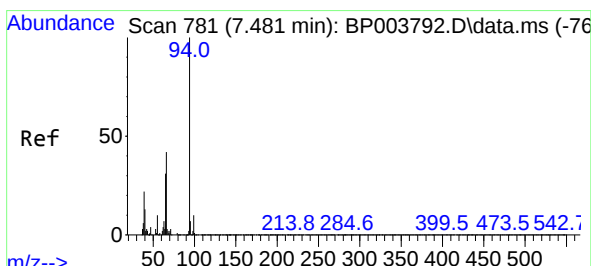
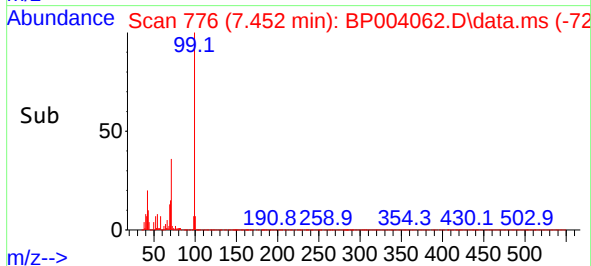
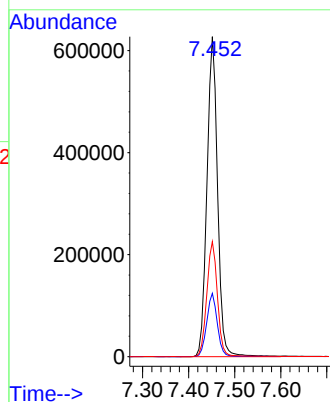
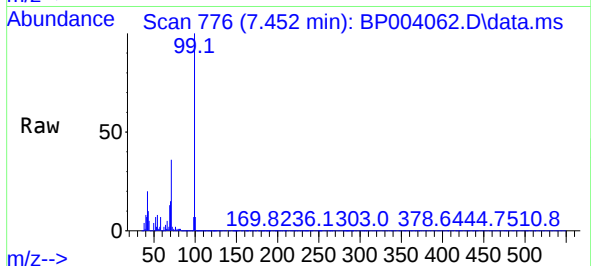




#7
Phenol-d6
Concen: 96.56 ng
RT: 7.452 min Scan# 776
Delta R.T. 0.000 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

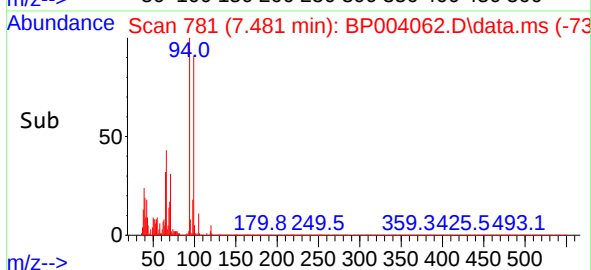
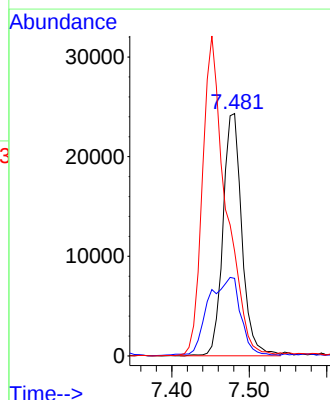
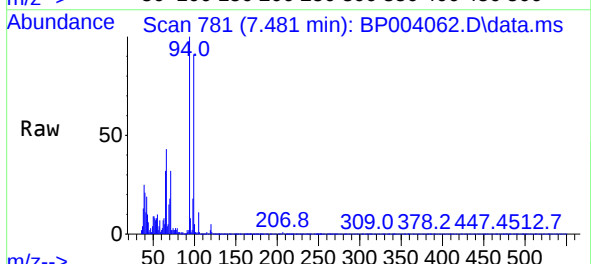
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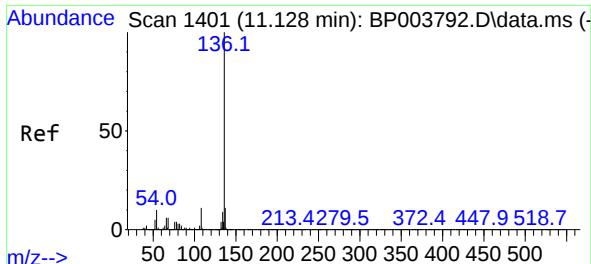
Tgt Ion: 99 Resp: 1010864
Ion Ratio Lower Upper
99 100
42 19.8 8.6 13.0#
71 36.0 23.4 35.2#



#10
Phenol
Concen: 4.08 ng
RT: 7.481 min Scan# 781
Delta R.T. 0.000 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion: 94 Resp: 41197
Ion Ratio Lower Upper
94 100
65 32.0 2.3 42.3
66 43.2 10.9 50.9

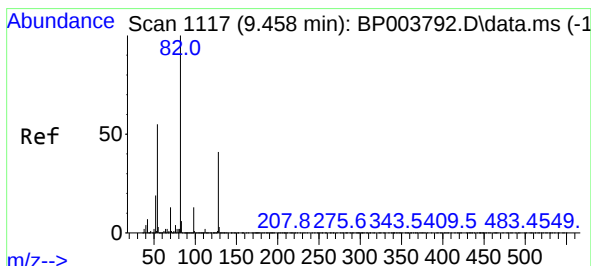
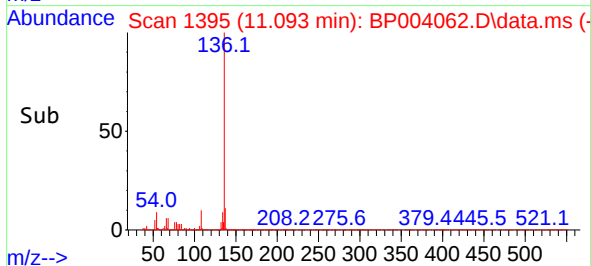
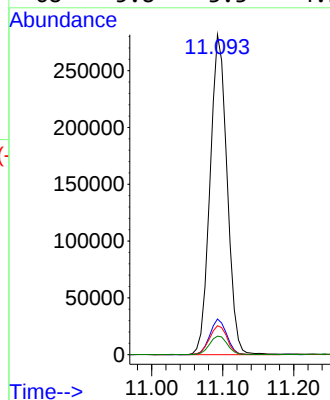
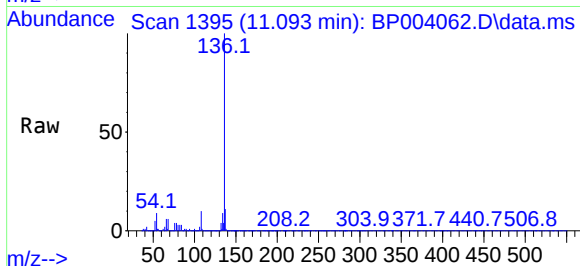




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.093 min Scan# 1395
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

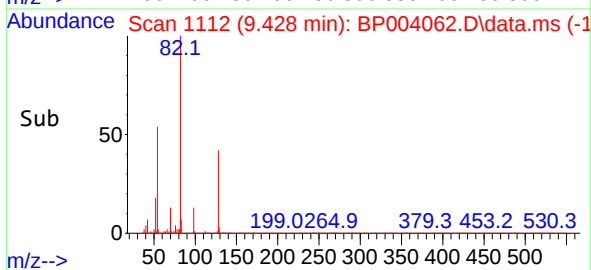
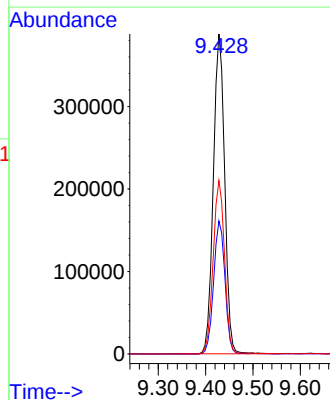
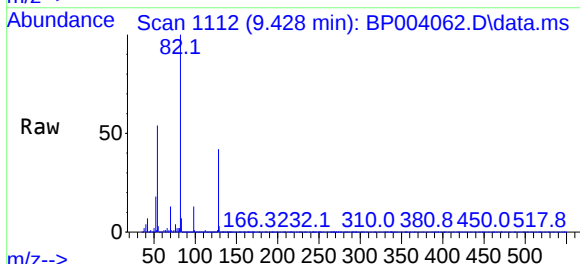
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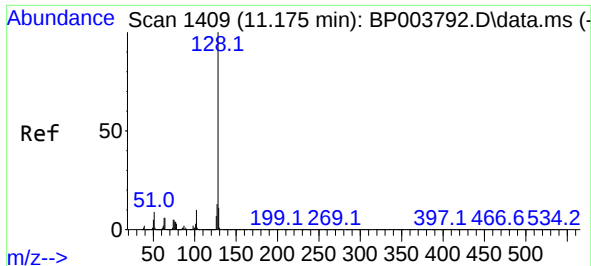
Tgt Ion:	136	Resp:	469237
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.0	3.6	5.4#
68	5.8	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 67.25 ng
RT: 9.428 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:	82	Resp:	644341
Ion	Ratio	Lower	Upper
82	100		
128	41.5	45.6	68.4#
54	54.2	30.1	45.1#

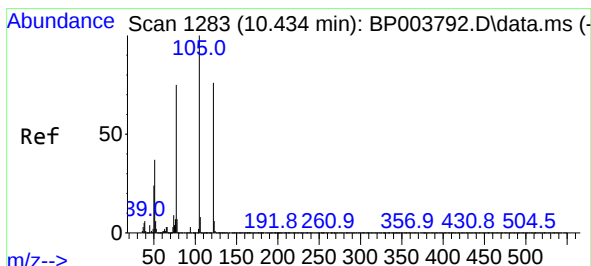
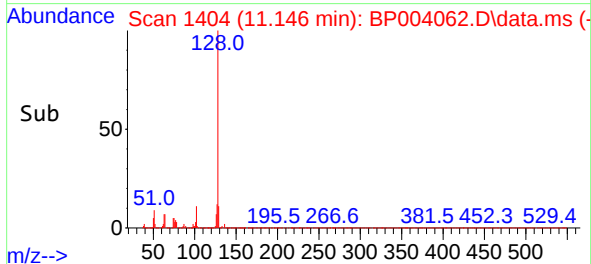
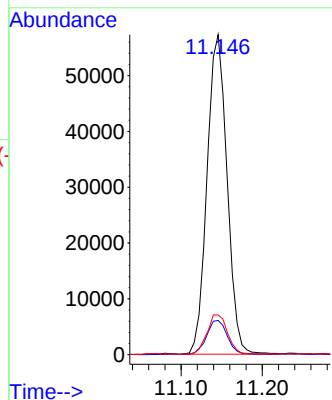
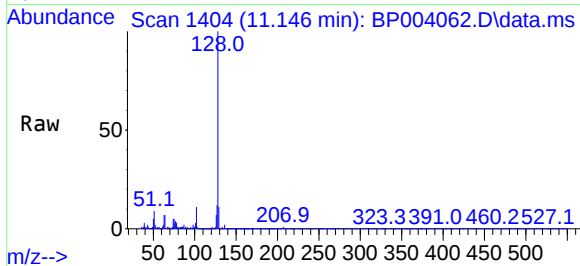




#31
Naphthalene
Concen: 3.89 ng
RT: 11.146 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

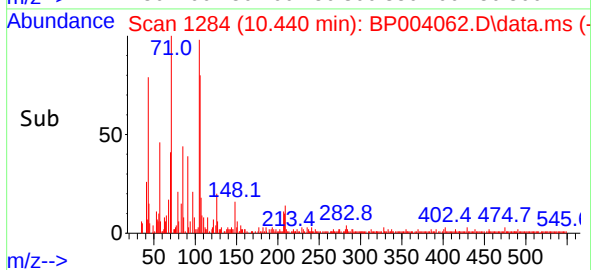
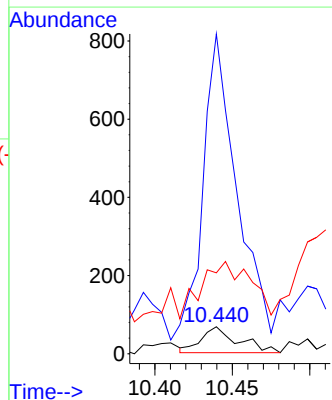
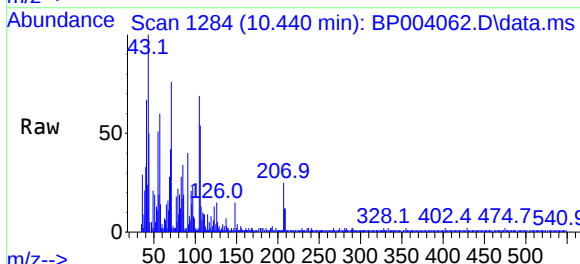
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BNA_P
ClientSampleId :
340EM-STOCKPILE-EAST

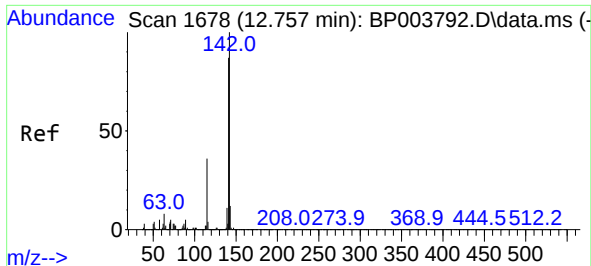
Tgt Ion:128 Resp: 98013
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.4 10.6 15.8



#32
Benzoic acid
Concen: 8.33 ng
RT: 10.440 min Scan# 1284
Delta R.T. -0.017 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:122 Resp: 109
Ion Ratio Lower Upper
122 100
105 1185.5 94.1 134.1#
77 300.0 50.1 90.1#

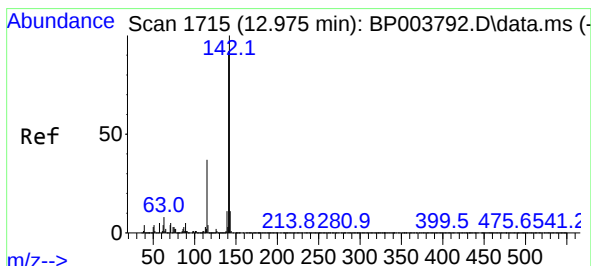
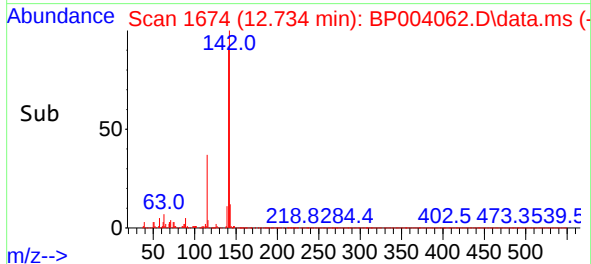
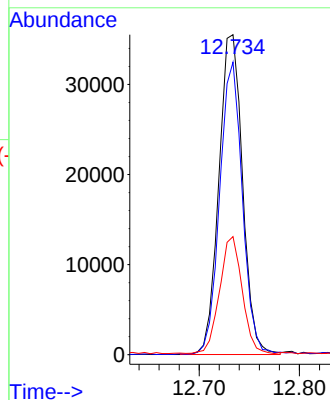
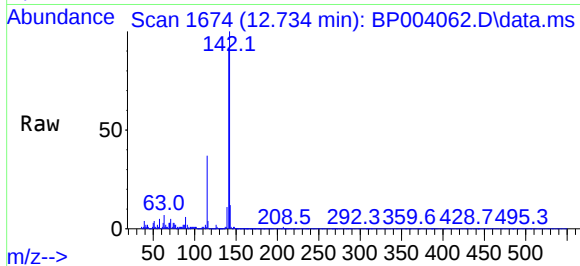




#37
2-Methylnaphthalene
Concen: 3.23 ng
RT: 12.734 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

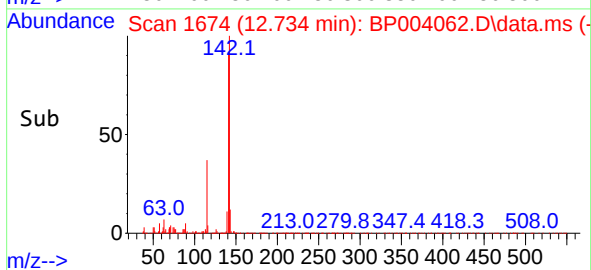
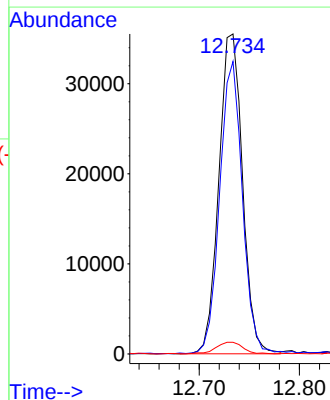
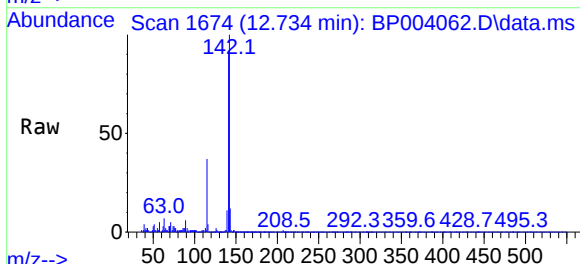
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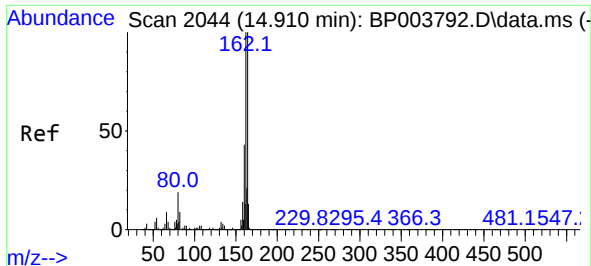
Tgt Ion:142 Resp: 58132
Ion Ratio Lower Upper
142 100
141 91.4 71.4 107.2
115 36.9 25.8 38.6



#38
1-Methylnaphthalene
Concen: 3.38 ng
RT: 12.734 min Scan# 1674
Delta R.T. -0.217 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:142 Resp: 58132
Ion Ratio Lower Upper
142 100
141 91.4 74.4 111.6
116 3.7 2.9 4.3

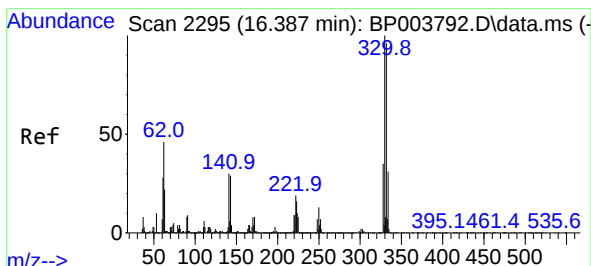
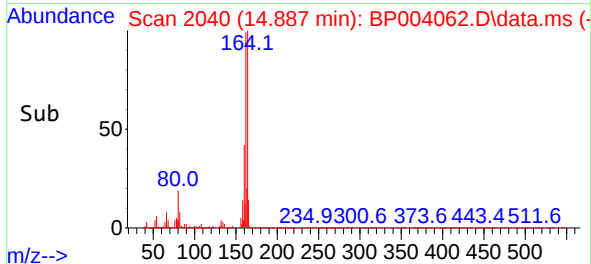
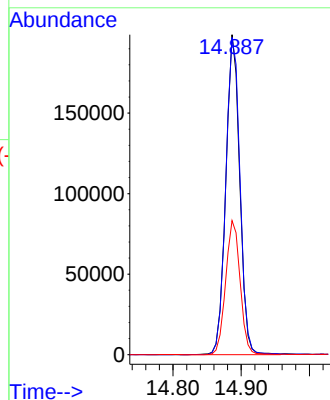
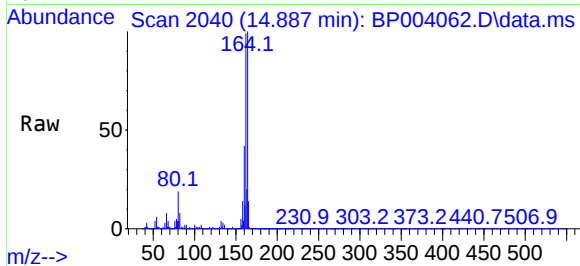




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.887 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

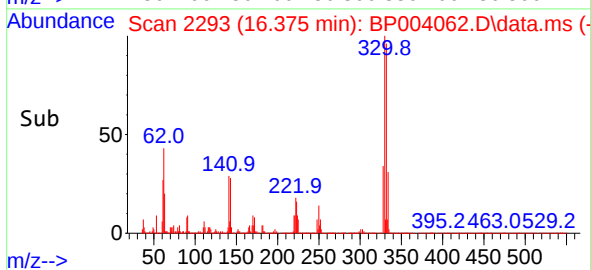
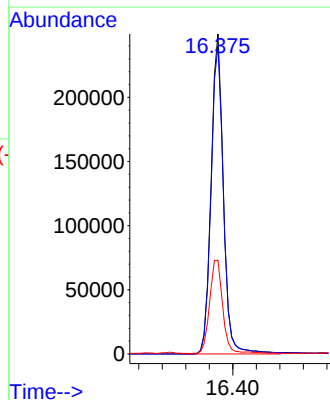
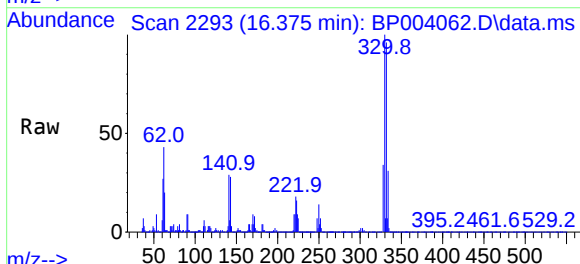
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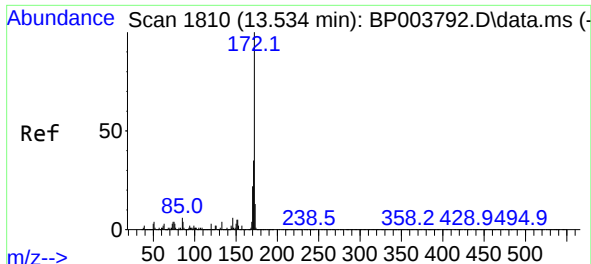
Tgt Ion:164 Resp: 282245
Ion Ratio Lower Upper
164 100
162 99.1 79.4 119.2
160 41.9 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 102.48 ng
RT: 16.375 min Scan# 2293
Delta R.T. 0.000 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:330 Resp: 361772
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 31.2 23.4 35.2

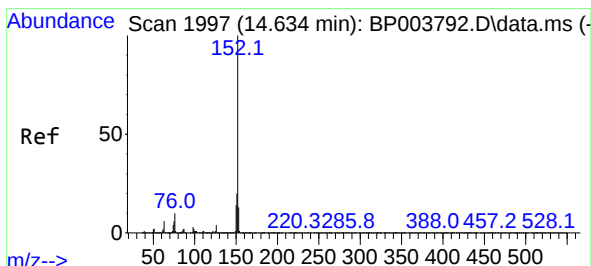
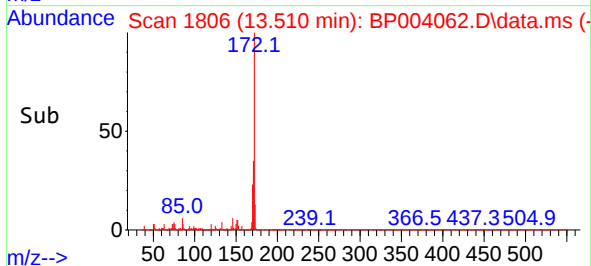
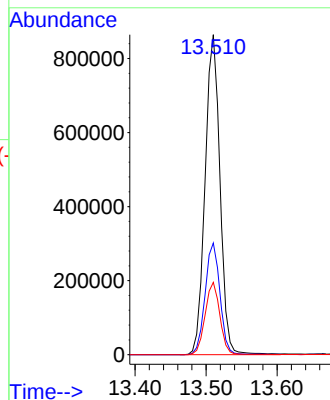
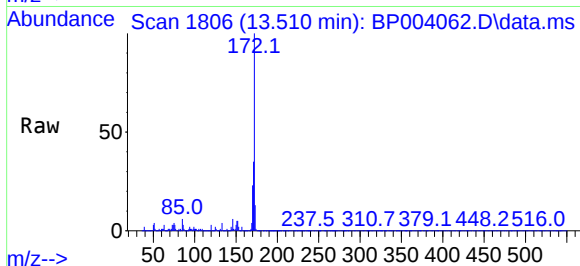




#45
2-Fluorobiphenyl
Concen: 62.57 ng
RT: 13.510 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

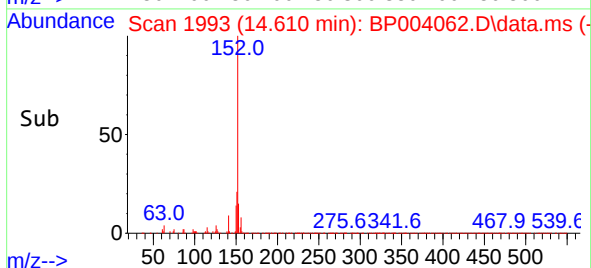
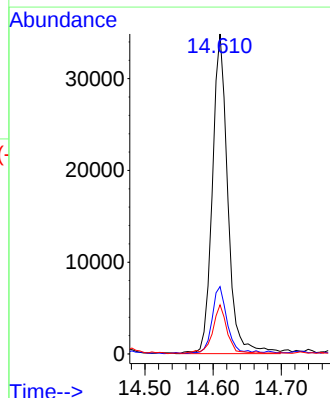
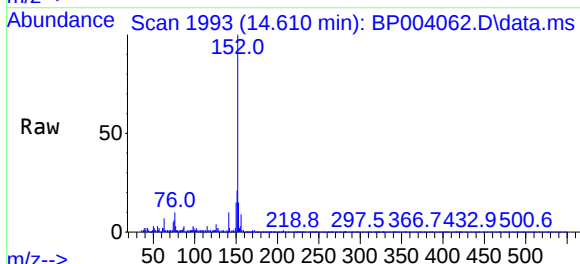
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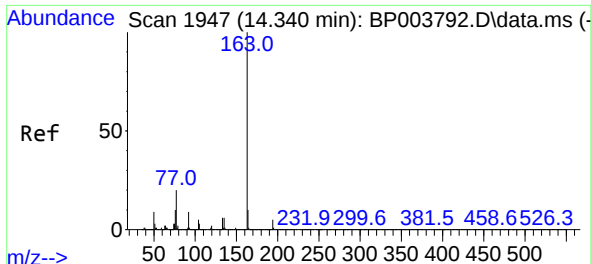
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Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 22.6 19.2 28.8



#49
Acenaphthylene
Concen: 2.08 ng
RT: 14.610 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:152 Resp: 54987
Ion Ratio Lower Upper
152 100
151 21.1 15.9 23.9
153 15.4 10.5 15.7

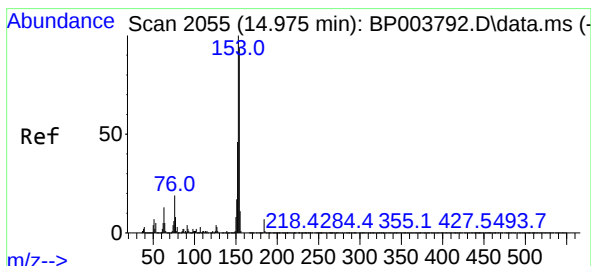
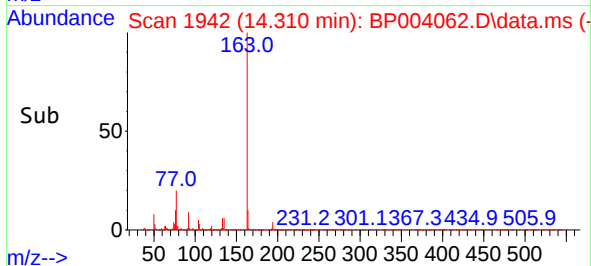
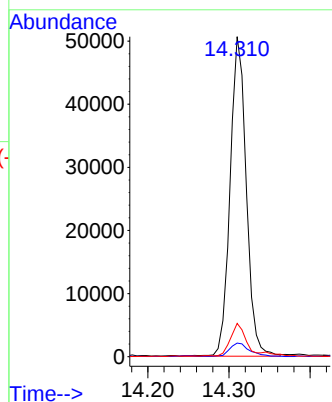
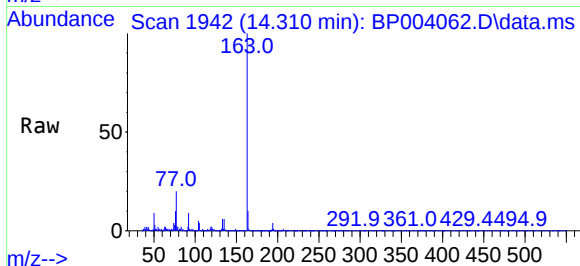




#50
Dimethylphthalate
Concen: 3.18 ng
RT: 14.310 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

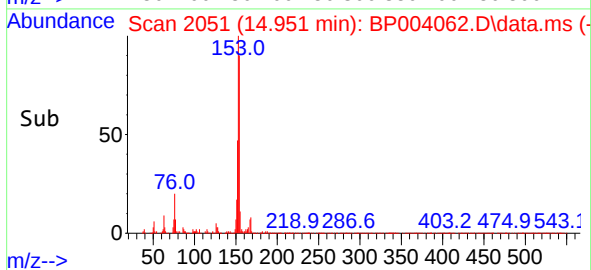
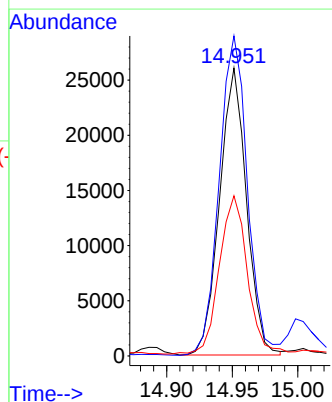
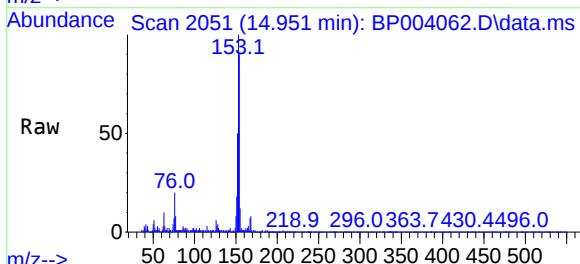
Instrument :
BNA_P
ClientSampleId :
340EM-STOCKPILE-EAST

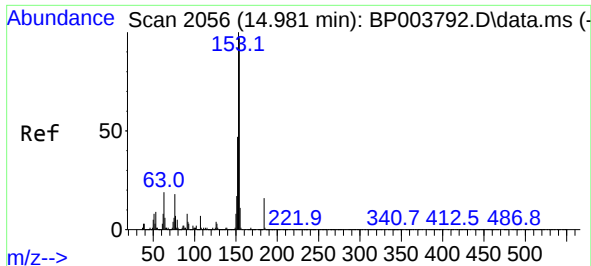
Tgt Ion:163 Resp: 70137
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.4 8.2 12.2



#52
Acenaphthene
Concen: 2.11 ng
RT: 14.951 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:154 Resp: 37124
Ion Ratio Lower Upper
154 100
153 111.2 91.0 136.6
152 55.6 43.0 64.6

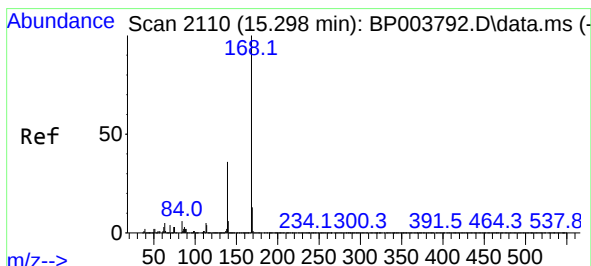
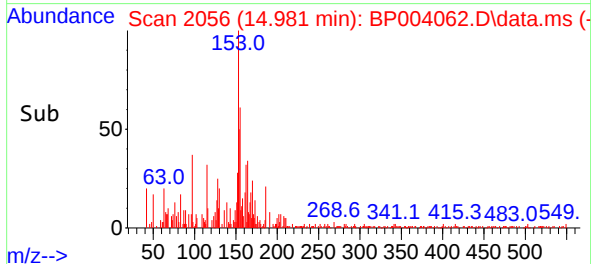
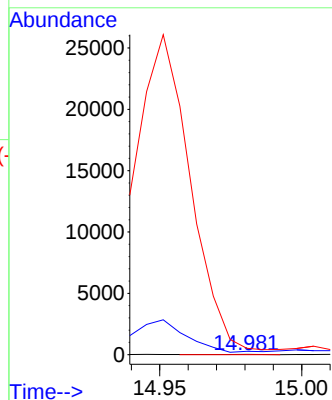
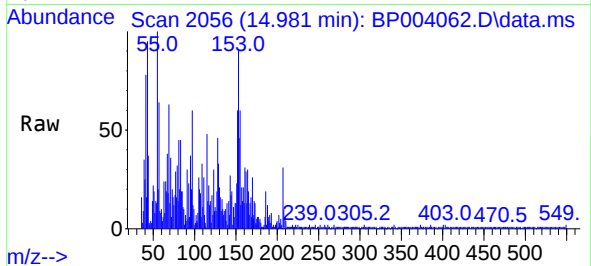




#54
2,4-Dinitrophenol
Concen: 2.75 ng
RT: 14.981 min Scan# 2056
Delta R.T. -0.012 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

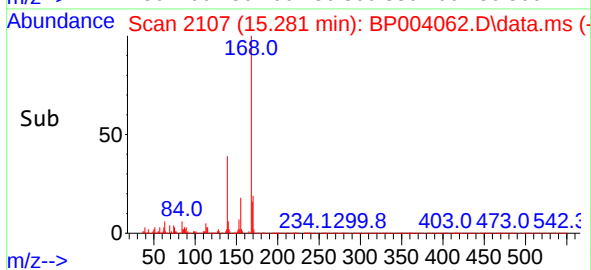
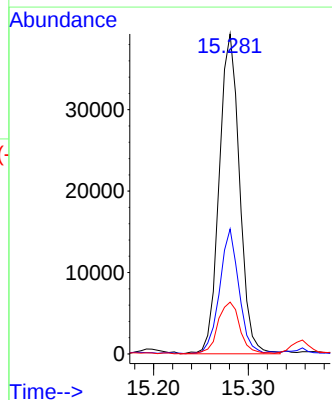
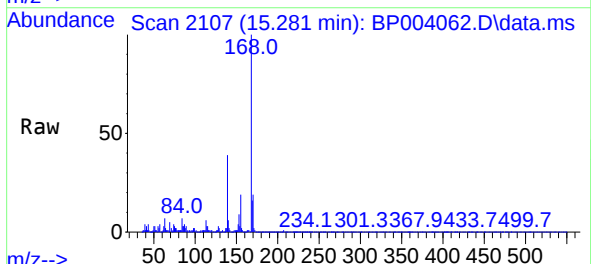
Instrument :
BNA_P
ClientSampleId :
340EM-STOCKPILE-EAST

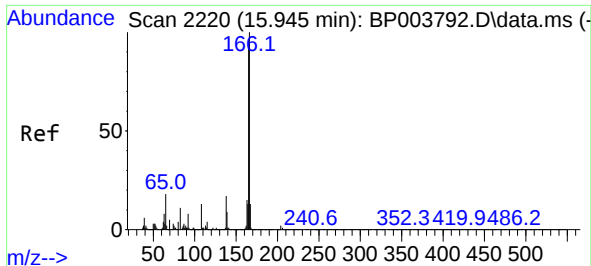
Tgt Ion:184 Resp: 27
Ion Ratio Lower Upper
184 100
63 1100.0 32.3 48.5#
154 2096.0 49.1 73.7#



#55
Dibenzofuran
Concen: 2.25 ng
RT: 15.281 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:168 Resp: 58724
Ion Ratio Lower Upper
168 100
139 39.1 29.1 43.7
169 16.2 10.4 15.6#

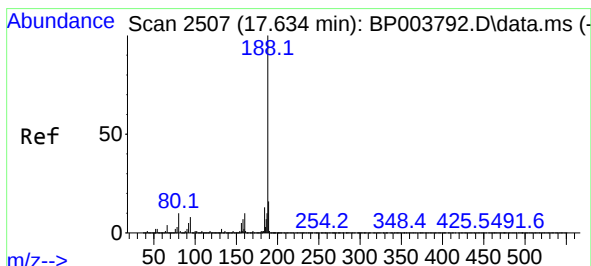
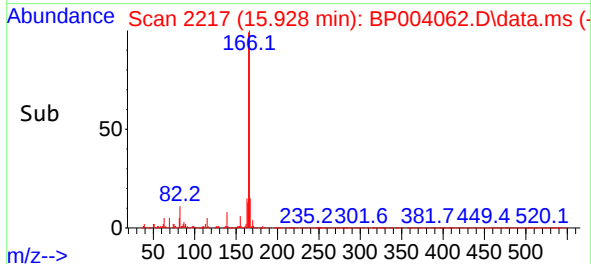
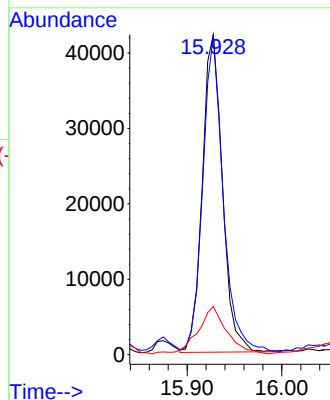
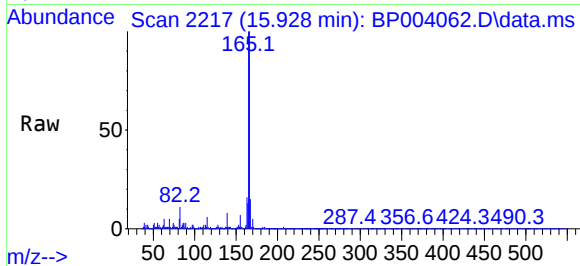




#58
Fluorene
Concen: 2.98 ng
RT: 15.928 min Scan# 2217
Delta R.T. 0.000 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

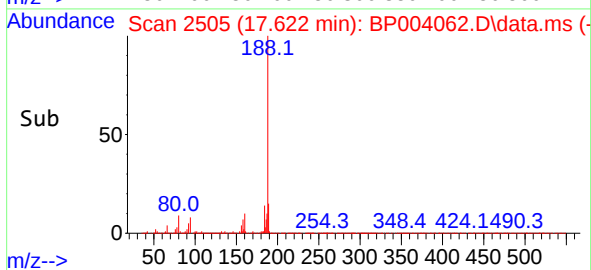
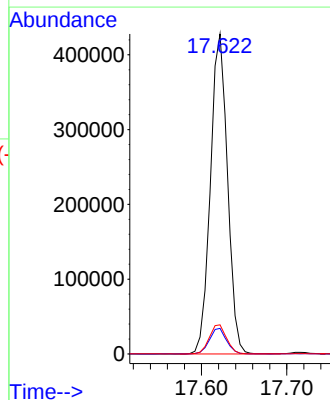
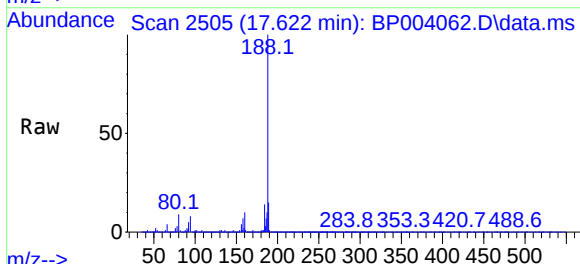
Instrument :
BNA_P
ClientSampleId :
340EM-STOCKPILE-EAST

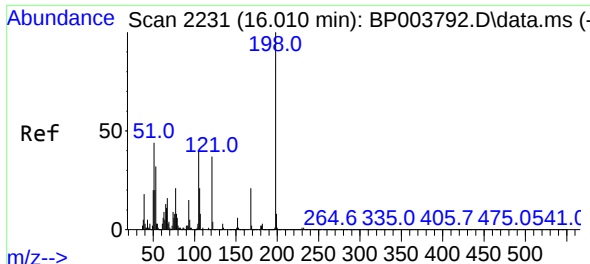
Tgt Ion:	166	Resp:	62260
Ion Ratio	Lower	Upper	
166	100		
165	99.6	77.8	116.8
167	15.1	11.0	16.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.622 min Scan# 2505
Delta R.T. 0.000 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:	188	Resp:	595941
Ion Ratio	Lower	Upper	
188	100		
94	8.0	6.2	9.2
80	9.1	6.2	9.2

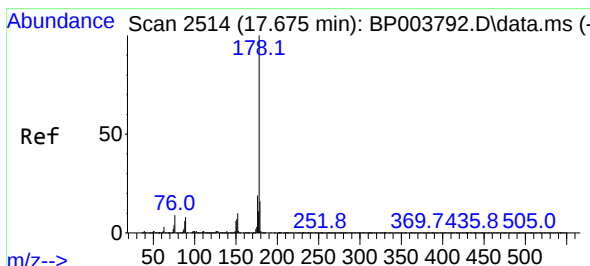
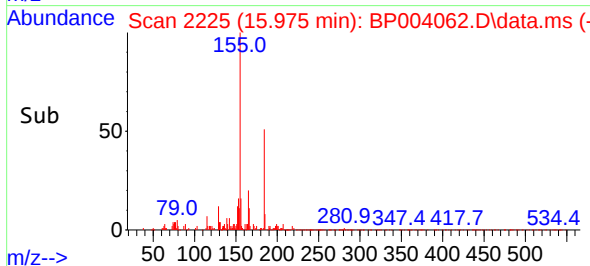
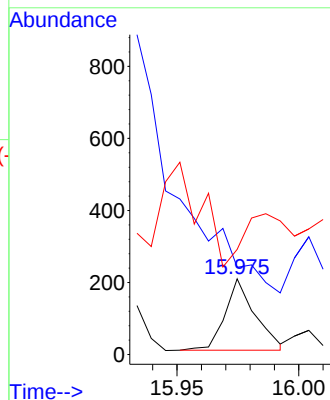
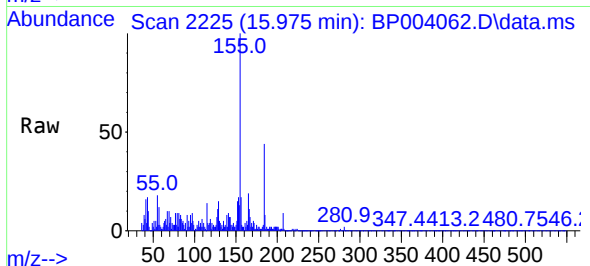




#65
4,6-Dinitro-2-methylphenol
Concen: 6.39 ng
RT: 15.975 min Scan# 2225
Delta R.T. -0.041 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

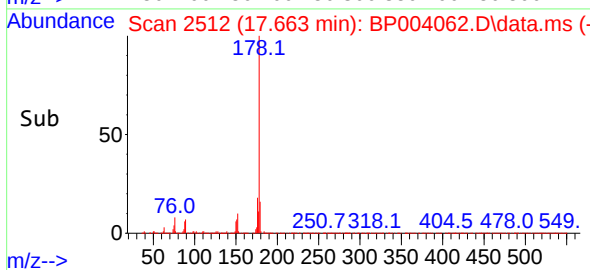
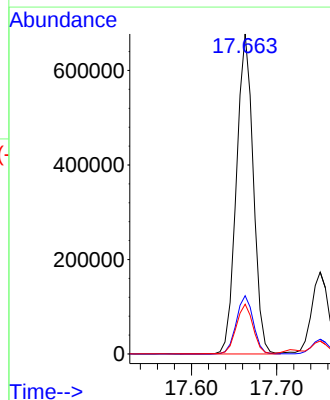
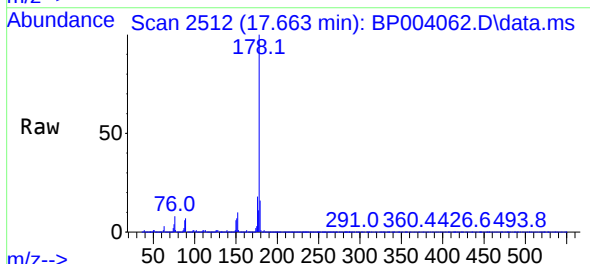
Instrument :
BNA_P
ClientSampleId :
340EM-STOCKPILE-EAST

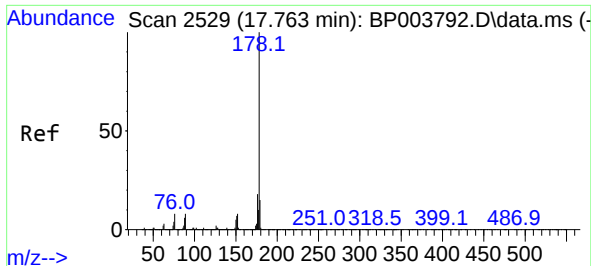
Tgt Ion:198 Resp: 170
Ion Ratio Lower Upper
198 100
51 115.2 6.4 46.4#
105 139.0 18.9 58.9#



#71
Phenanthrene
Concen: 27.76 ng
RT: 17.663 min Scan# 2512
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:178 Resp: 928530
Ion Ratio Lower Upper
178 100
176 18.2 15.3 22.9
179 15.5 12.5 18.7

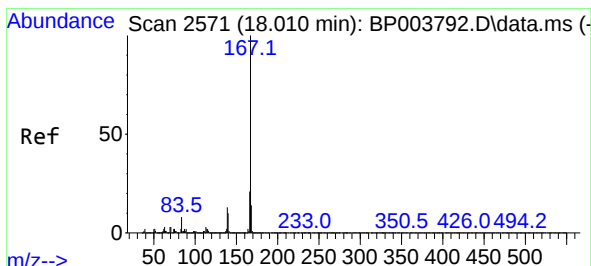
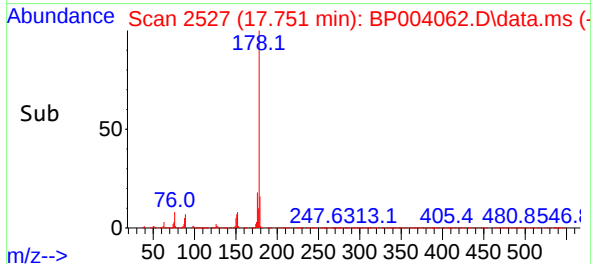
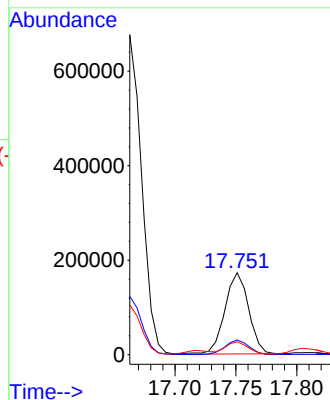
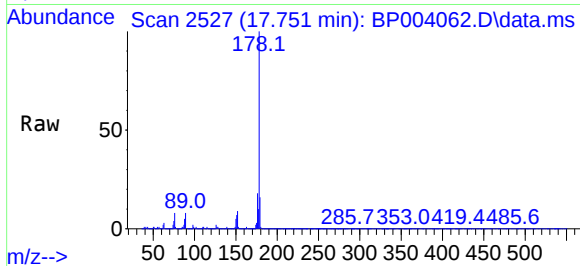




#72
 Anthracene
 Concen: 7.23 ng
 RT: 17.751 min Scan# 2527
 Delta R.T. -0.006 min
 Lab File: BP004062.D
 Acq: 23 Nov 2020 19:04

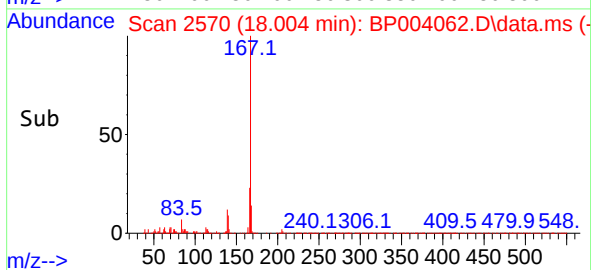
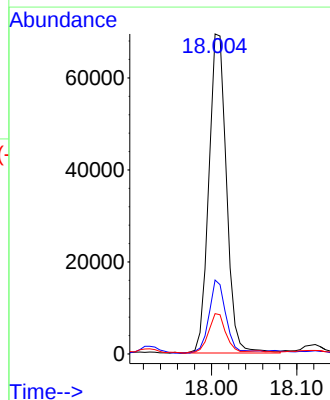
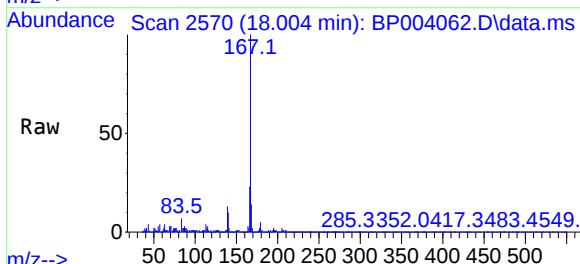
Instrument :
 BNA_P
 ClientSampleId :
 340EM-STOCKPILE-EAST

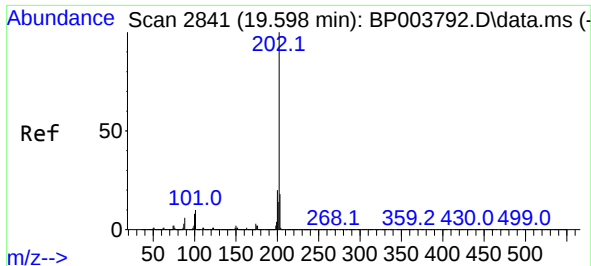
Tgt Ion:	178	Resp:	233487
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.0	22.4
179	15.9	12.5	18.7



#73
 Carbazole
 Concen: 3.33 ng
 RT: 18.004 min Scan# 2570
 Delta R.T. -0.006 min
 Lab File: BP004062.D
 Acq: 23 Nov 2020 19:04

Tgt Ion:	167	Resp:	99737
Ion Ratio	Lower	Upper	
167	100		
166	23.1	17.6	26.4
139	12.6	10.2	15.4

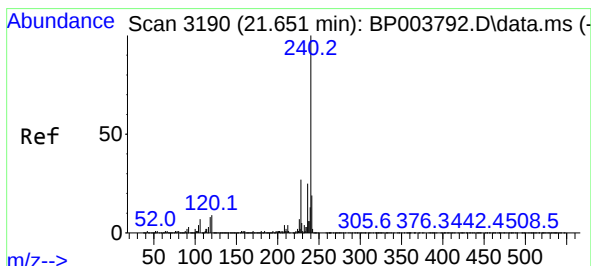
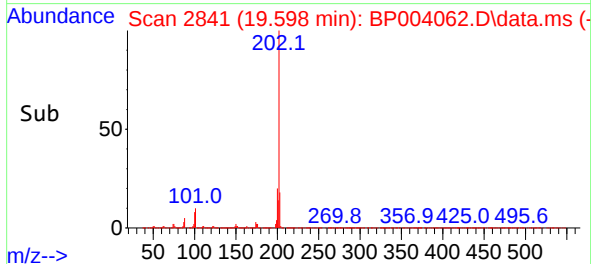
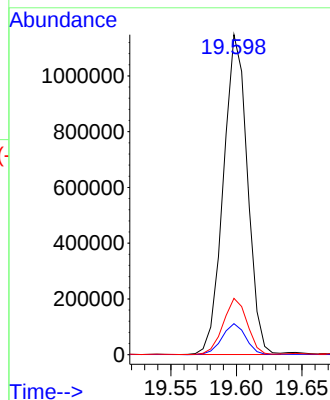
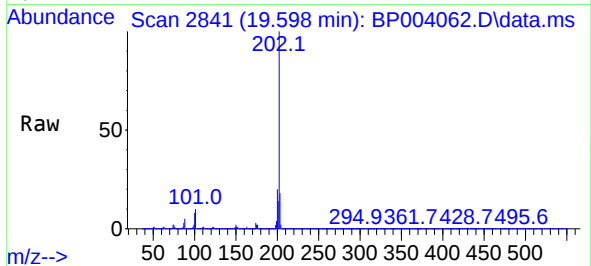




#75
Fluoranthene
Concen: 37.93 ng
RT: 19.598 min Scan# 2841
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

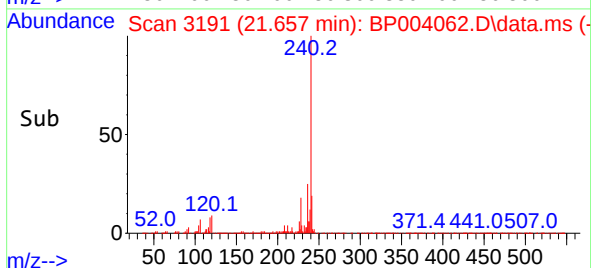
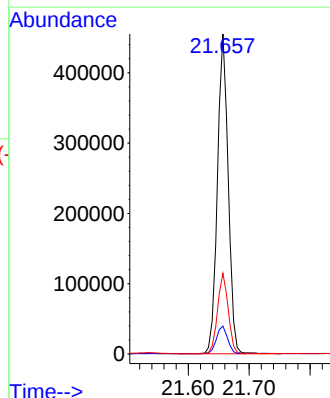
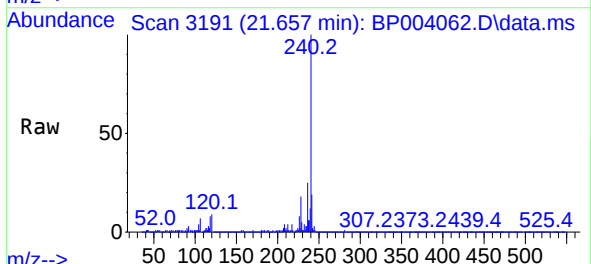
Instrument :
BNA_P
ClientSampleId :
340EM-STOCKPILE-EAST

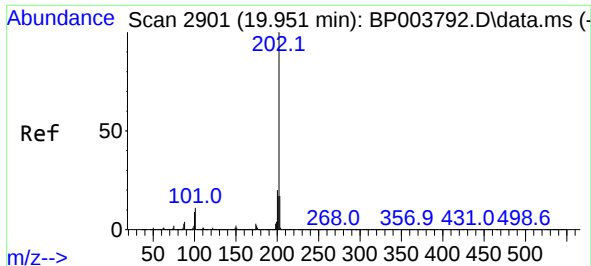
Tgt Ion:202 Resp: 1463898
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.4
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.657 min Scan# 3191
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:240 Resp: 558065
Ion Ratio Lower Upper
240 100
120 8.7 7.8 11.6
236 25.2 20.8 31.2

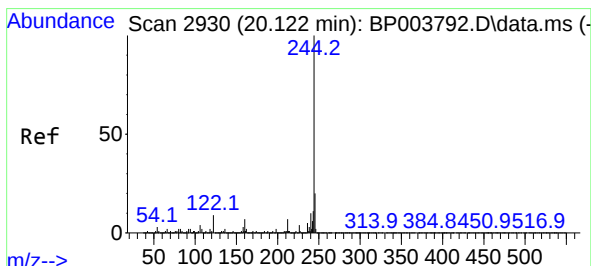
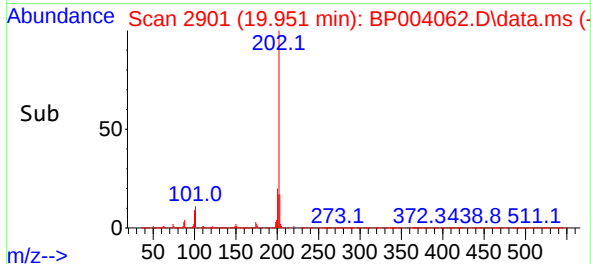
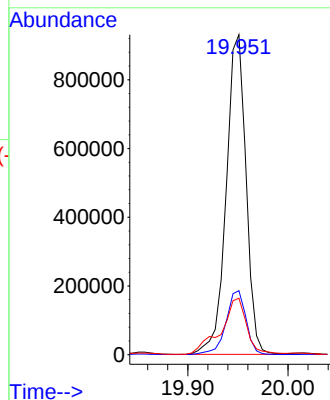
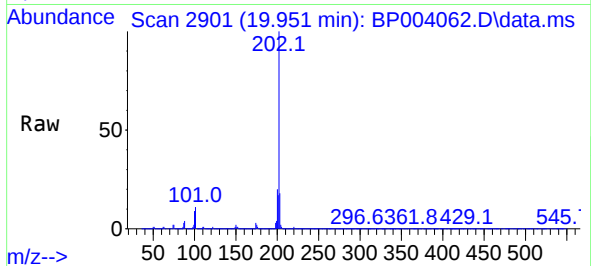




#78
Pyrene
Concen: 33.79 ng
RT: 19.951 min Scan# 2901
Delta R.T. 0.000 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

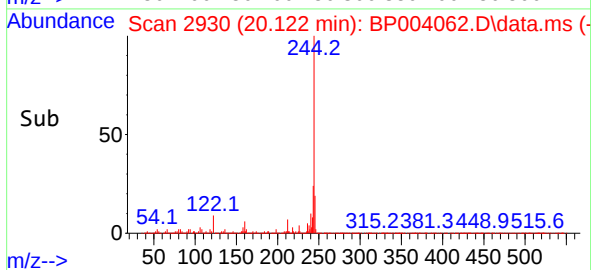
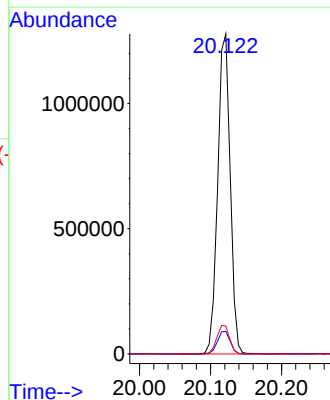
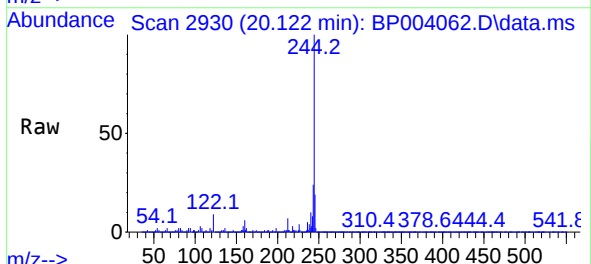
Instrument :
BNA_P
ClientSampleId :
340EM-STOCKPILE-EAST

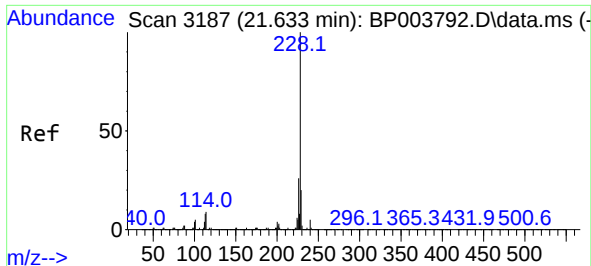
Tgt Ion:202 Resp: 1279571
Ion Ratio Lower Upper
202 100
200 20.0 17.1 25.7
203 17.7 14.2 21.2



#79
Terphenyl-d14
Concen: 53.71 ng
RT: 20.122 min Scan# 2930
Delta R.T. 0.000 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:244 Resp: 1551499
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 8.7 7.8 11.8

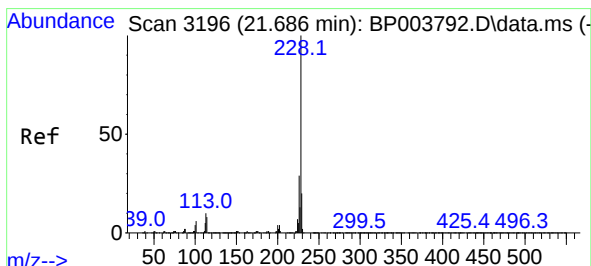
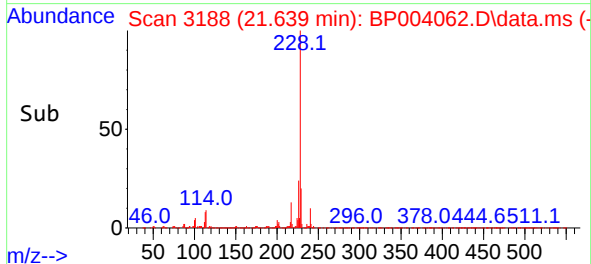
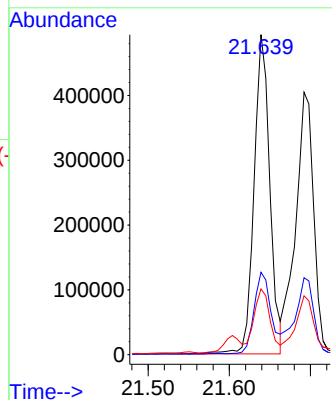
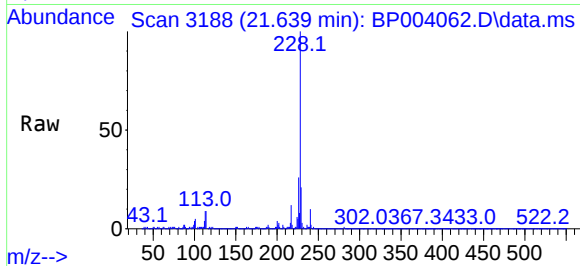




#81
Benzo(a)anthracene
Concen: 18.07 ng
RT: 21.639 min Scan# 3188
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

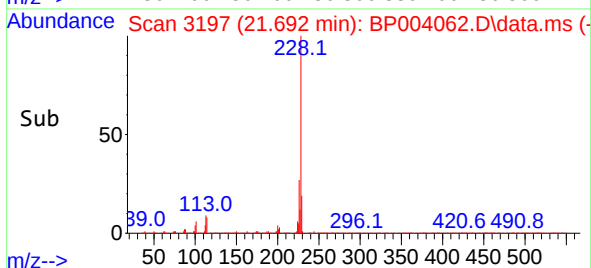
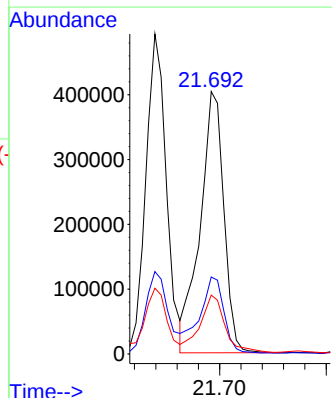
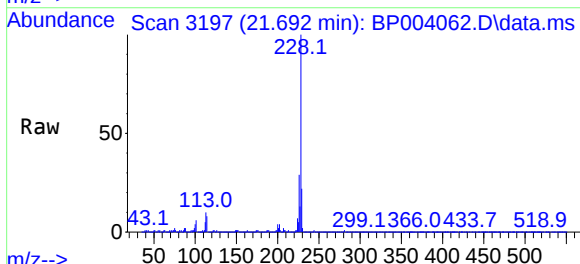
Instrument :
BNA_P
ClientSampleId :
340EM-STOCKPILE-EAST

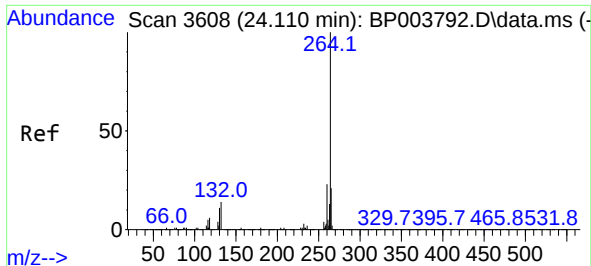
Tgt Ion:	228	Resp:	665085
Ion	Ratio	Lower	Upper
228	100		
226	25.8	22.1	33.1
229	20.6	15.9	23.9



#83
Chrysene
Concen: 17.69 ng
RT: 21.692 min Scan# 3197
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:	228	Resp:	625455
Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.4	36.6
229	22.4	15.8	23.6

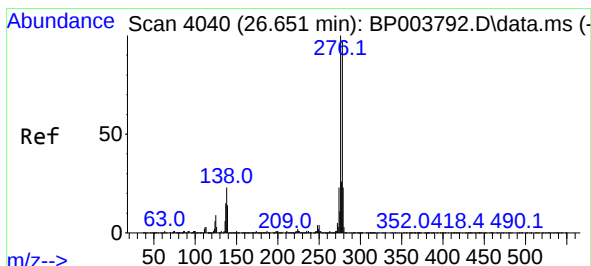
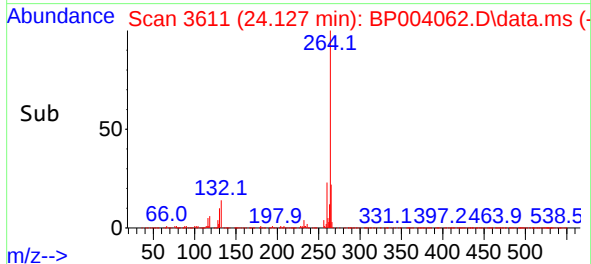
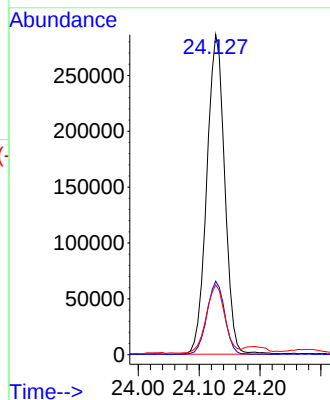
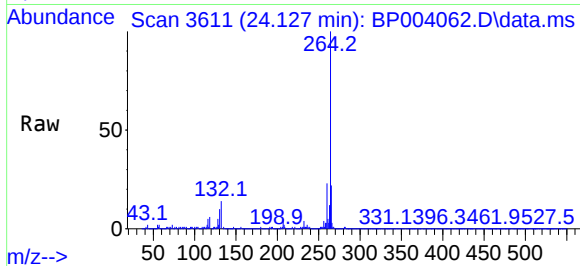




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.127 min Scan# 3611
Delta R.T. 0.000 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

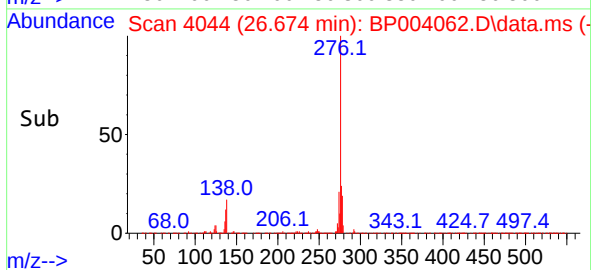
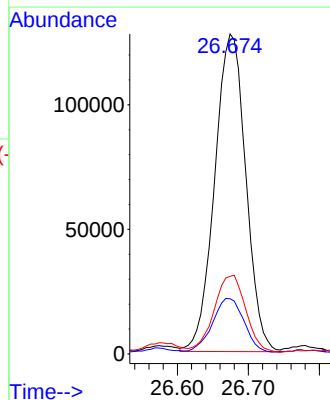
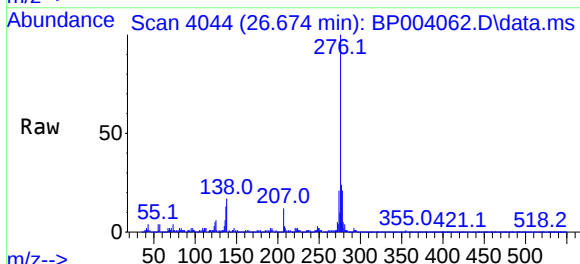
Instrument :
BNA_P
ClientSampleId :
340EM-STOCKPILE-EAST

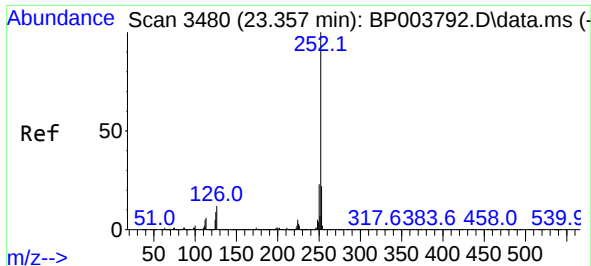
Tgt Ion:264 Resp: 584342
Ion Ratio Lower Upper
264 100
260 22.9 18.8 28.2
265 21.9 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.19 ng
RT: 26.674 min Scan# 4044
Delta R.T. -0.017 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:276 Resp: 387497
Ion Ratio Lower Upper
276 100
138 17.3 18.7 28.1#
277 24.7 20.4 30.6



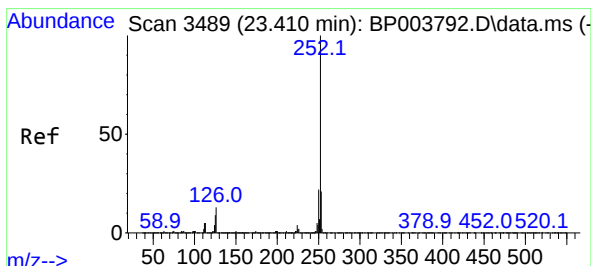
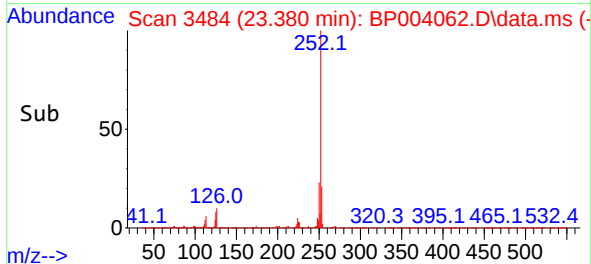
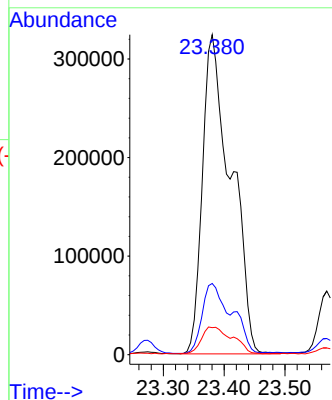
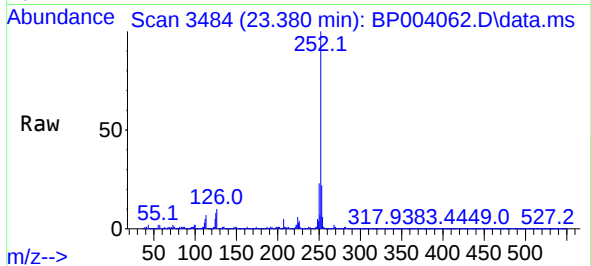


#88
Benzo(b)fluoranthene
Concen: 27.56 ng
RT: 23.380 min Scan# 3484
Delta R.T. 0.000 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Instrument :
BNA_P
ClientSampleId :
340EM-STOCKPILE-EAST

Tgt Ion:252 Resp: 1053952

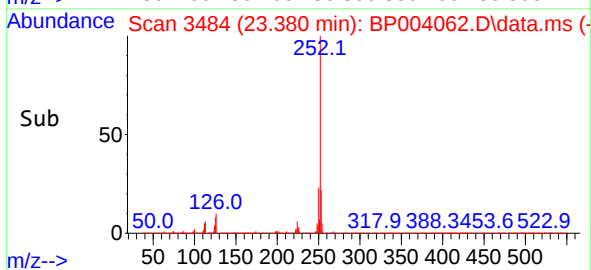
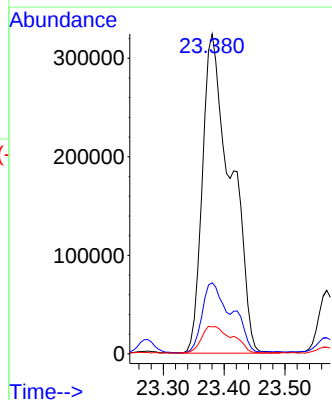
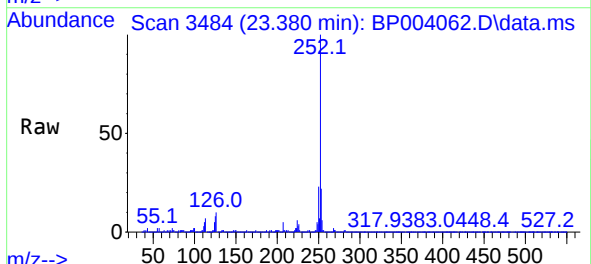
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	8.4	7.3	10.9

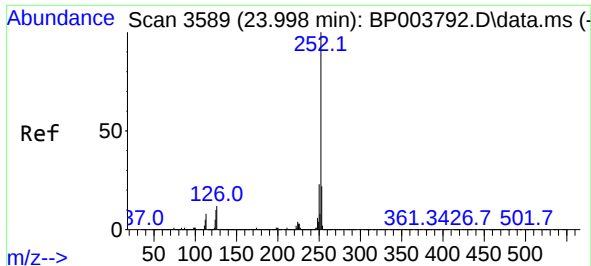


#89
Benzo(k)fluoranthene
Concen: 27.91 ng
RT: 23.380 min Scan# 3484
Delta R.T. -0.047 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:252 Resp: 1053952

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	8.4	7.4	11.2

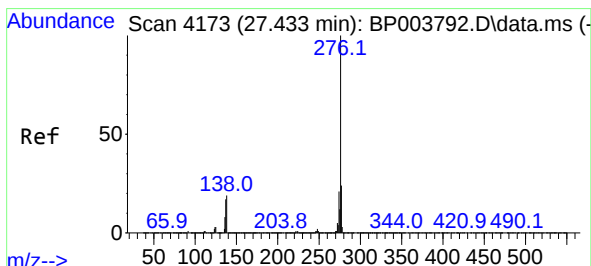
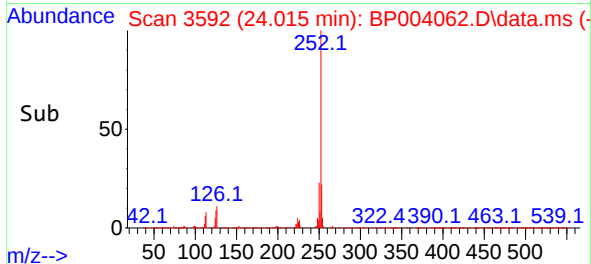
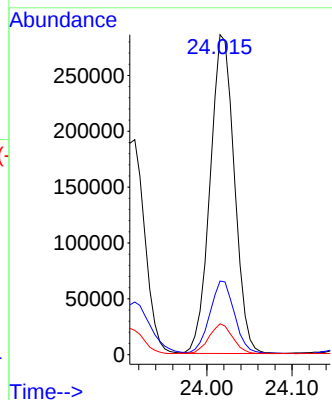
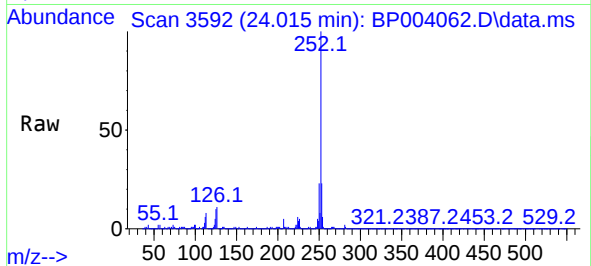




#90
Benzo(a)pyrene
Concen: 15.93 ng
RT: 24.015 min Scan# 3592
Delta R.T. -0.006 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Instrument :
BNA_P
ClientSampleId :
340EM-STOCKPILE-EAST

Tgt Ion:	252	Resp:	563732
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	9.7	8.2	12.4



#92
Benzo(g,h,i)perylene
Concen: 11.31 ng
RT: 27.462 min Scan# 4178
Delta R.T. -0.017 min
Lab File: BP004062.D
Acq: 23 Nov 2020 19:04

Tgt Ion:	276	Resp:	384807
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.0	28.6
138	17.8	16.6	24.8

