

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112420\
 Data File : BP004088.D
 Acq On : 24 Nov 2020 22:08
 Operator : CG/JU
 Sample : L4844-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-112020

Quant Time: Nov 25 00:00:17 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)

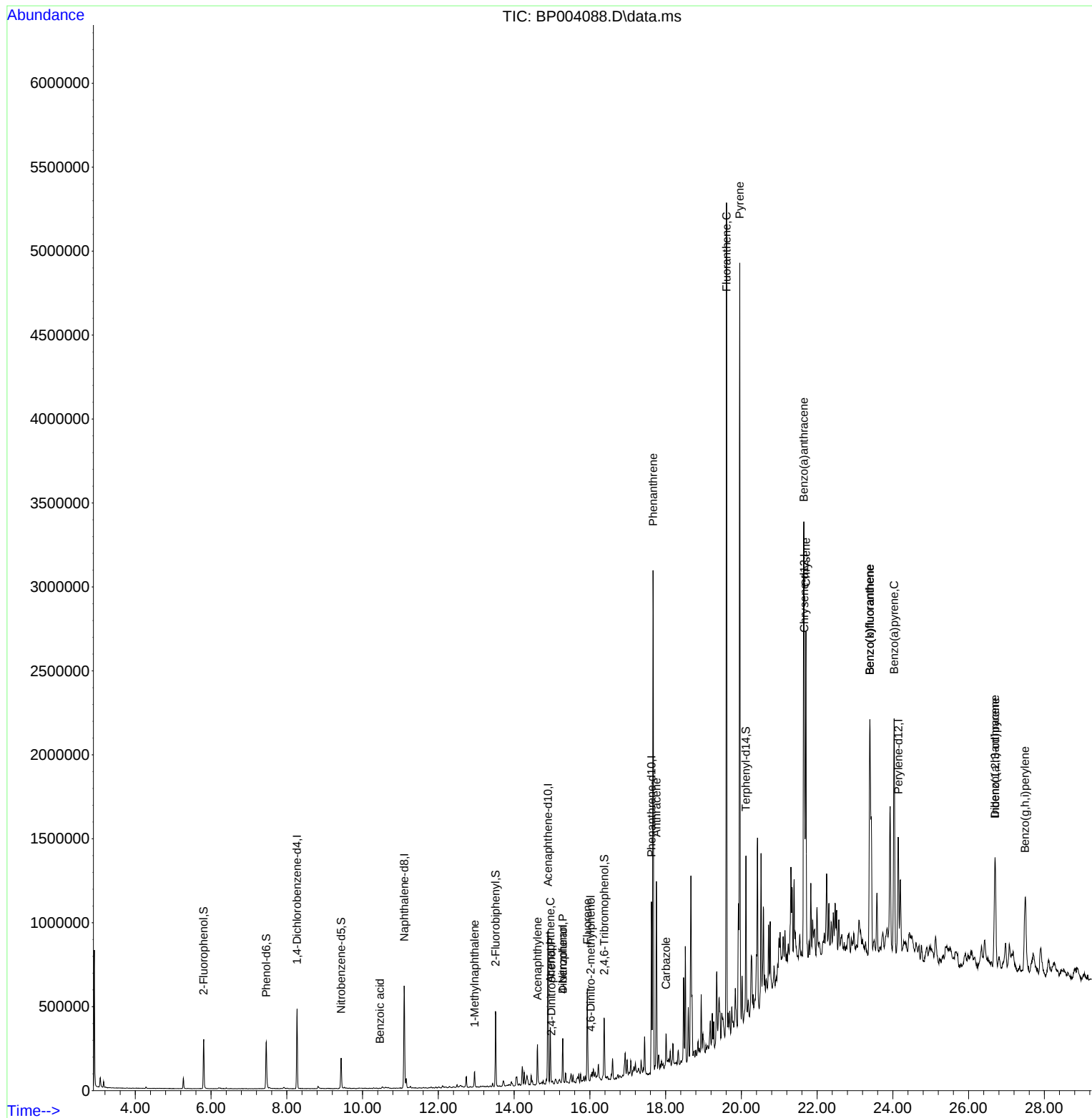
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.269	152	124679	20.00	ng	0.00
21) Naphthalene-d8	11.098	136	487108	20.00	ng	# 0.00
39) Acenaphthene-d10	14.892	164	303303	20.00	ng	0.00
64) Phenanthrene-d10	17.627	188	611182	20.00	ng	# 0.00
76) Chrysene-d12	21.663	240	526032	20.00	ng	0.00
86) Perylene-d12	24.145	264	566115	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.805	112	123487	16.53	ng	0.00
7) Phenol-d6	7.457	99	166505	15.53	ng	0.00
23) Nitrobenzene-d5	9.434	82	102213	10.28	ng	0.00
42) 2,4,6-Tribromophenol	16.380	330	56444	14.88	ng	0.00
45) 2-Fluorobiphenyl	13.510	172	237834	10.96	ng	0.00
79) Terphenyl-d14	20.121	244	290521	10.67	ng	0.00
Target Compounds						
9) Benzaldehyde	7.363	77	175	Below Cal	#	55
32) Benzoic acid	10.457	122	5	8.31 ng	#	1
38) 1-Methylnaphthalene	12.957	142	41767	2.34 ng		98
49) Acenaphthylene	14.616	152	169219	5.97 ng		98
52) Acenaphthene	14.957	154	116109	6.14 ng		98
54) 2,4-Dinitrophenol	14.981	184	25	2.74 ng	#	1
55) Dibenzofuran	15.286	168	146280	5.21 ng		97
56) 4-Nitrophenol	15.286	139	52862	13.62 ng	#	21
58) Fluorene	15.933	166	253351	11.27 ng		100
65) 4,6-Dinitro-2-methylph...	16.022	198	137	6.38 ng	#	1
71) Phenanthrene	17.669	178	1782812	51.97 ng		99
72) Anthracene	17.757	178	701458	21.17 ng		99
73) Carbazole	18.010	167	124946	4.07 ng		98
75) Fluoranthene	19.610	202	2971571	75.08 ng		100
78) Pyrene	19.957	202	2698957	75.61 ng		98
81) Benzo(a)anthracene	21.645	228	1283529	37.00 ng		98
83) Chrysene	21.704	228	1156202	34.69 ng		97
87) Indeno(1,2,3-cd)pyrene	26.703	276	672069	16.46 ng	#	93
88) Benzo(b)fluoranthene	23.392	252	1901935	51.34 ng		98
89) Benzo(k)fluoranthene	23.392	252	1901935	51.99 ng		99
90) Benzo(a)pyrene	24.033	252	1104142	32.20 ng		99
91) Dibenzo(a,h)anthracene	26.692	278	187636	5.51 ng		95
92) Benzo(g,h,i)perylene	27.492	276	623468	18.92 ng		97

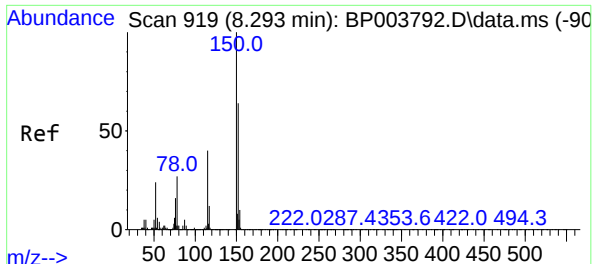
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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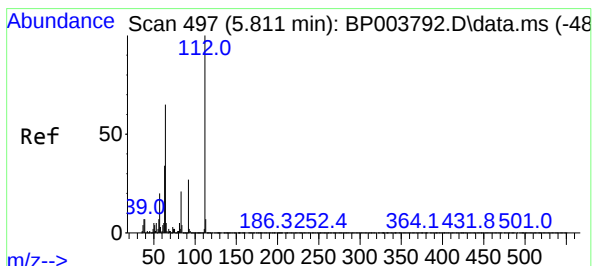
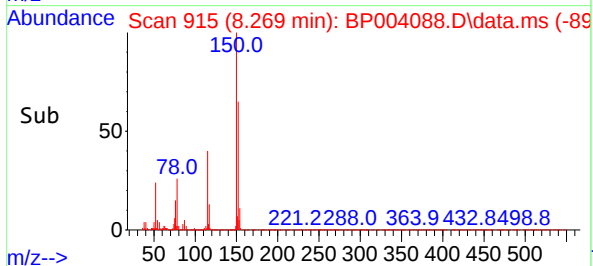
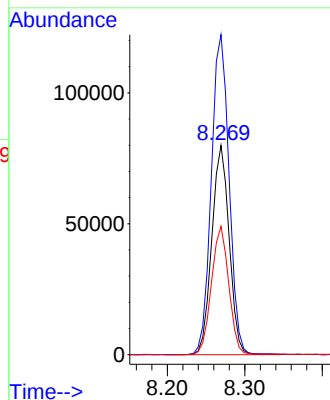
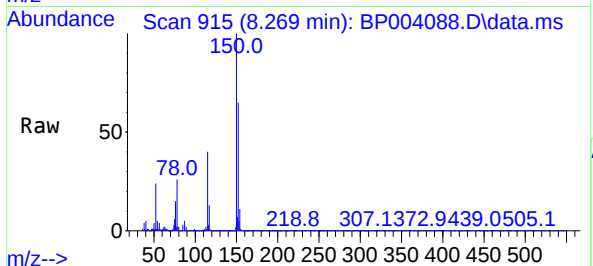




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.269 min Scan# 915
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

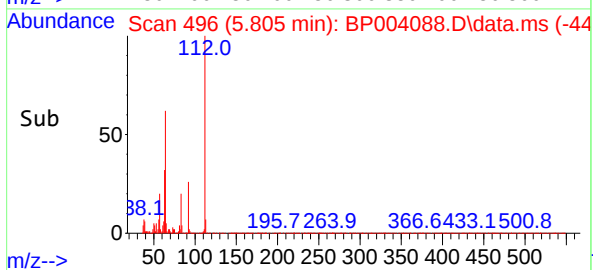
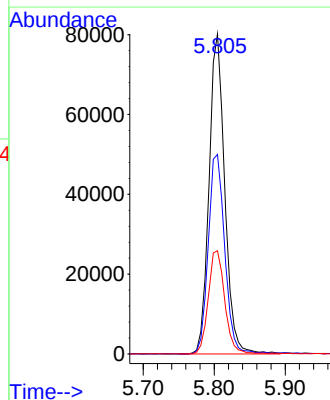
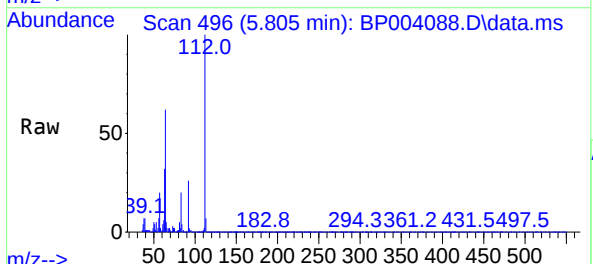
Instrument :
BNA_P
ClientSampleId :
OR-02-112020

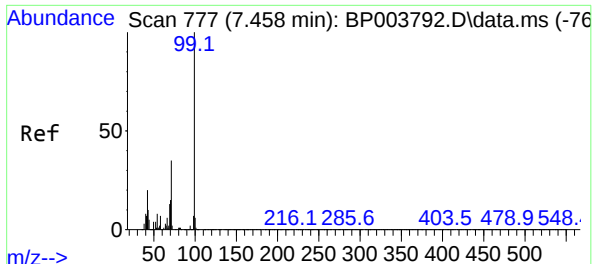
Tgt Ion:152 Resp: 124679
Ion Ratio Lower Upper
152 100
150 152.9 123.8 185.6
115 61.3 43.8 65.6



#5
2-Fluorophenol
Concen: 16.53 ng
RT: 5.805 min Scan# 496
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:112 Resp: 123487
Ion Ratio Lower Upper
112 100
64 62.4 32.8 49.2#
63 32.3 17.0 25.4#

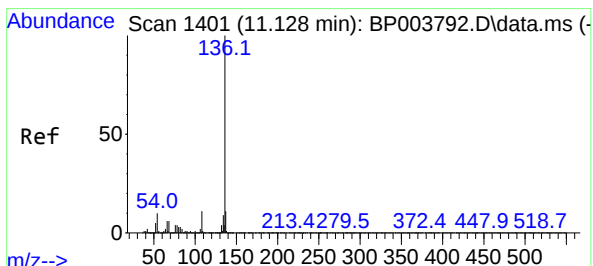
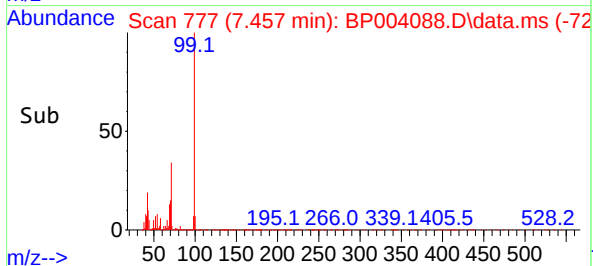
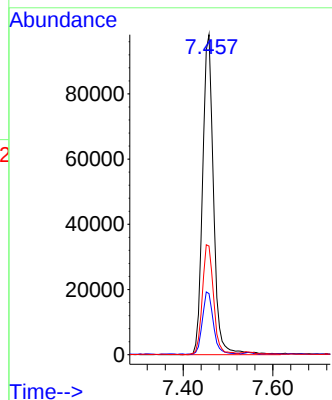
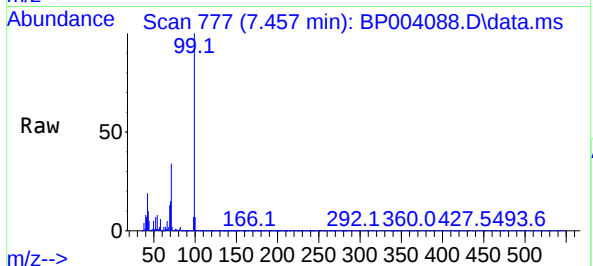




#7
Phenol-d6
Concen: 15.53 ng
RT: 7.457 min Scan# 777
Delta R.T. 0.006 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

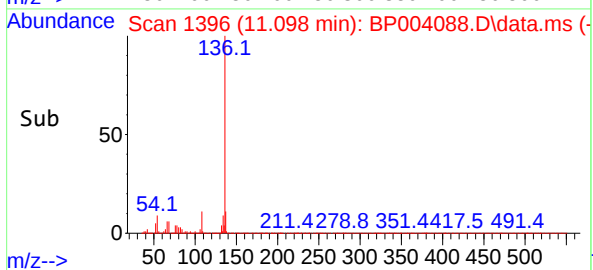
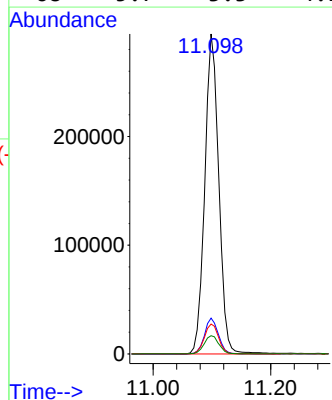
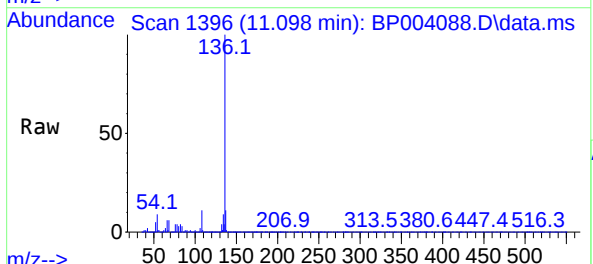
Instrument :
BNA_P
ClientSampleId :
OR-02-112020

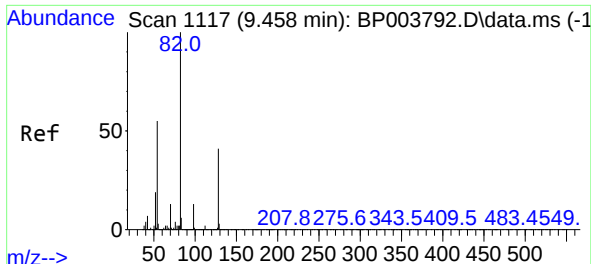
Tgt Ion: 99 Resp: 166505
Ion Ratio Lower Upper
99 100
42 19.1 8.6 13.0#
71 34.0 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.098 min Scan# 1396
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion: 136 Resp: 487108
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.3 3.6 5.4#
68 5.7 3.3 4.9#

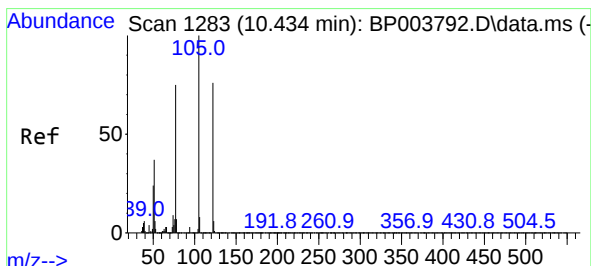
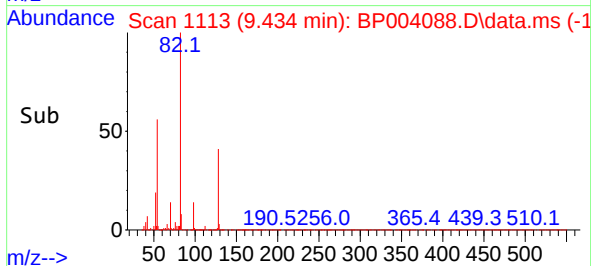
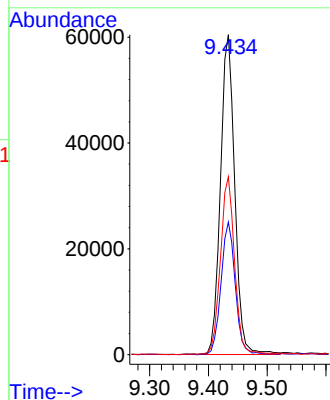
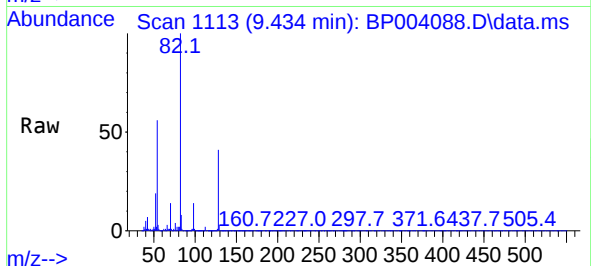




#23
Nitrobenzene-d5
Concen: 10.28 ng
RT: 9.434 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

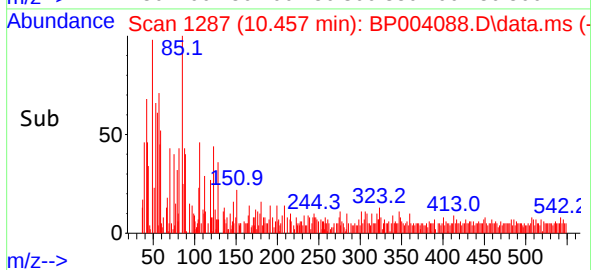
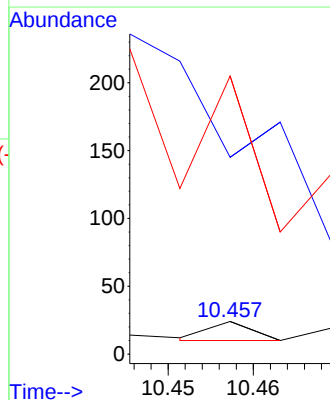
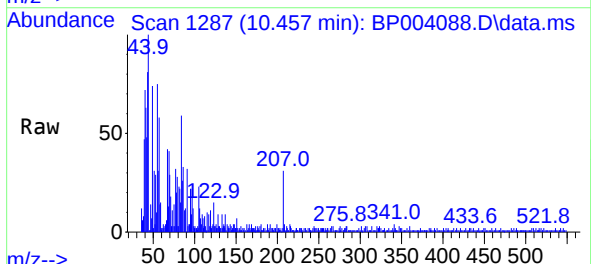
Instrument :
BNA_P
ClientSampleId :
OR-02-112020

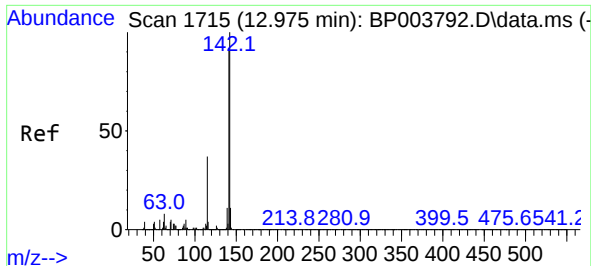
Tgt Ion: 82 Resp: 102213
Ion Ratio Lower Upper
82 100
128 41.4 45.6 68.4#
54 55.6 30.1 45.1#



#32
Benzoic acid
Concen: 8.31 ng
RT: 10.457 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion: 122 Resp: 5
Ion Ratio Lower Upper
122 100
105 604.2 94.1 134.1#
77 854.2 50.1 90.1#

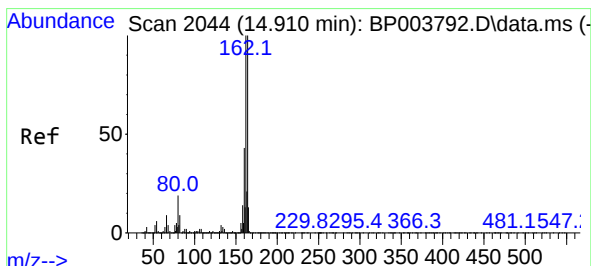
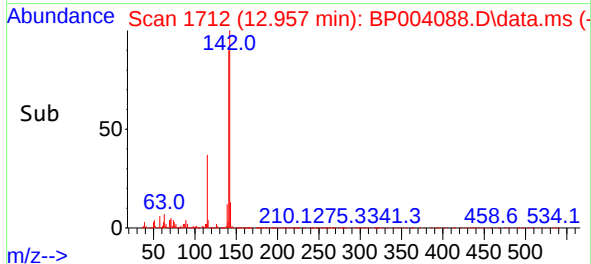
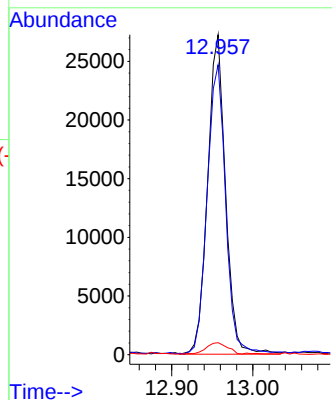
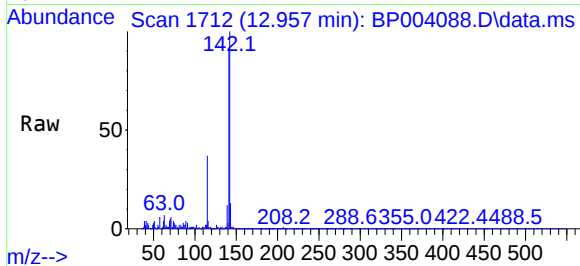




#38
1-Methylnaphthalene
Concen: 2.34 ng
RT: 12.957 min Scan# 1712
Delta R.T. 0.006 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

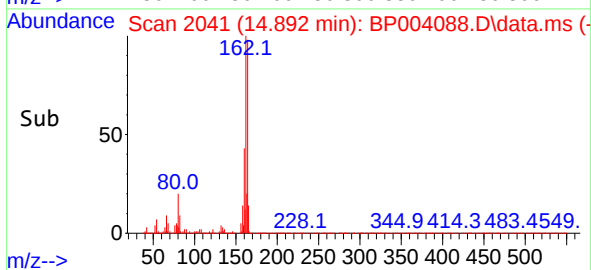
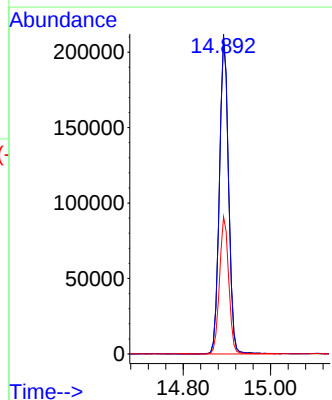
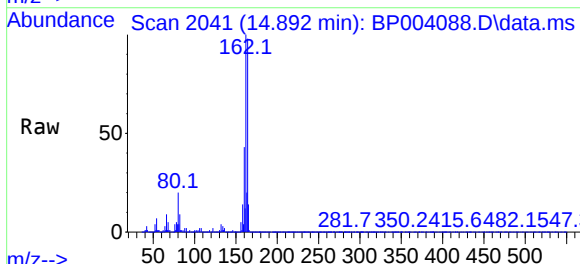
Instrument :
BNA_P
ClientSampleId :
OR-02-112020

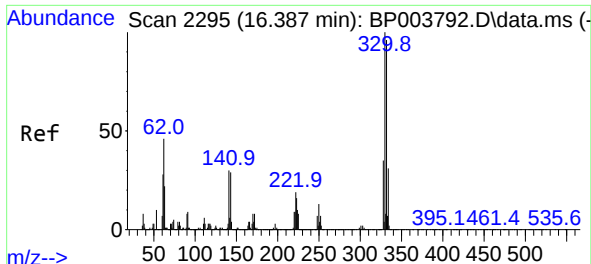
Tgt Ion:142 Resp: 41767
Ion Ratio Lower Upper
142 100
141 90.6 74.4 111.6
116 3.7 2.9 4.3



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.892 min Scan# 2041
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:164 Resp: 303303
Ion Ratio Lower Upper
164 100
162 102.3 79.4 119.2
160 43.8 36.1 54.1

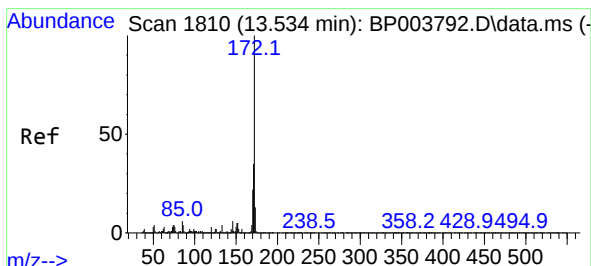
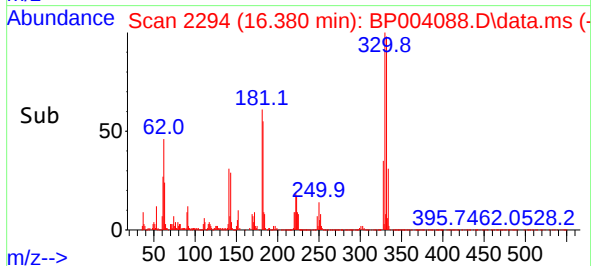
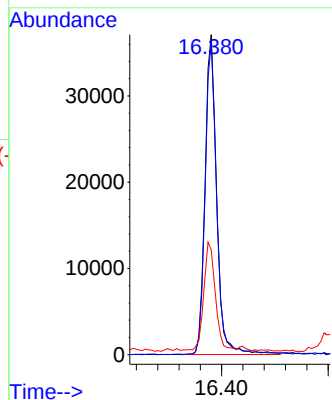
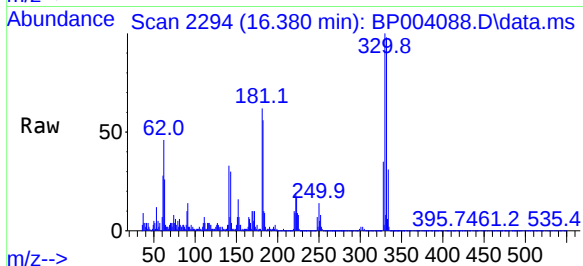




#42
2,4,6-Tribromophenol
Concen: 14.88 ng
RT: 16.380 min Scan# 2294
Delta R.T. 0.006 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

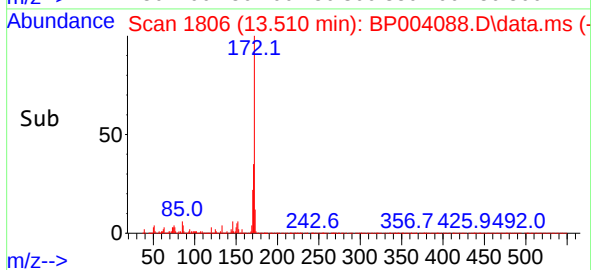
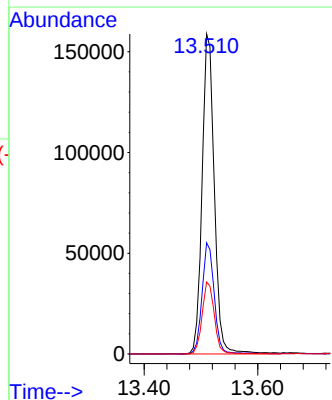
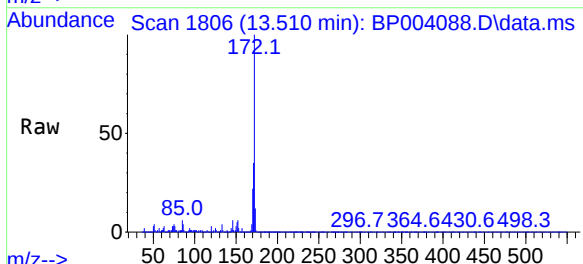
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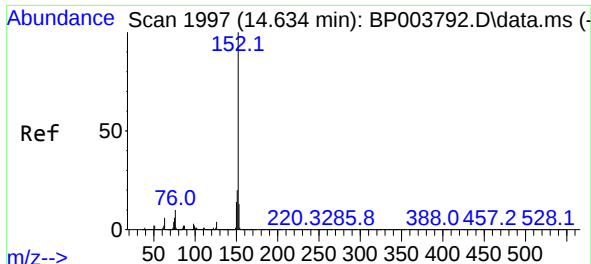
Tgt Ion:330 Resp: 56444
Ion Ratio Lower Upper
330 100
332 94.9 77.1 115.7
141 33.0 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 10.96 ng
RT: 13.510 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:172 Resp: 237834
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 22.5 19.2 28.8

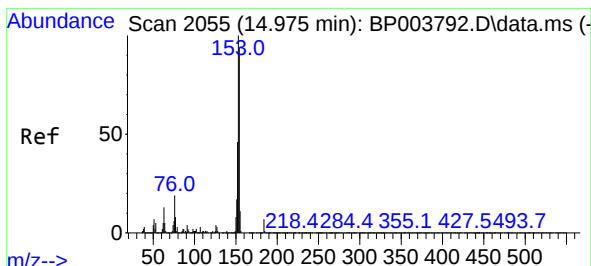
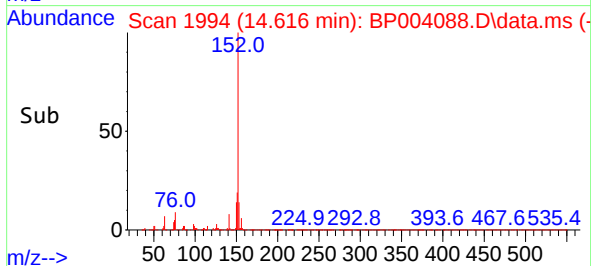
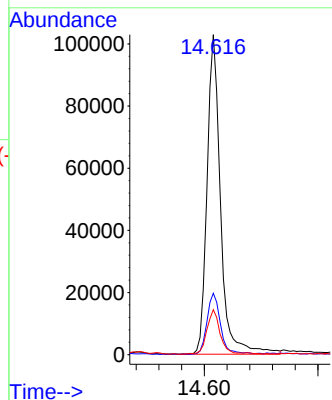
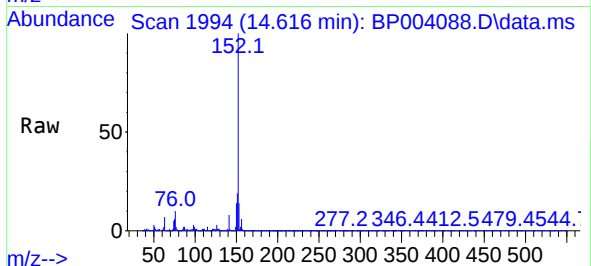




#49
Acenaphthylene
Concen: 5.97 ng
RT: 14.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

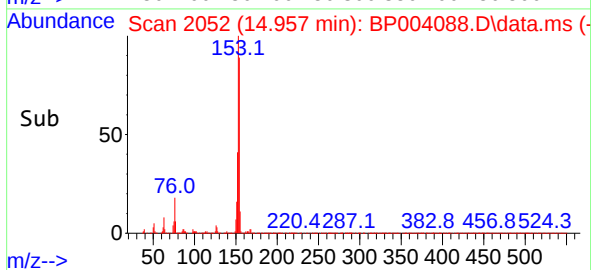
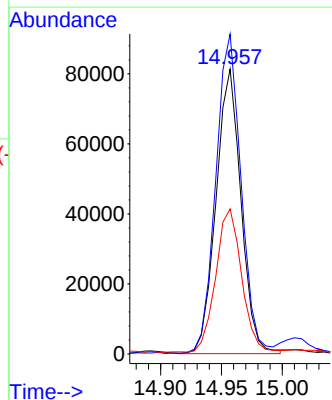
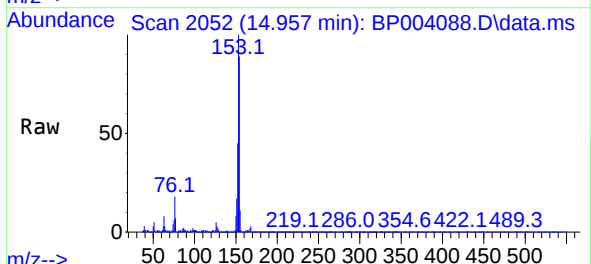
Instrument :
BNA_P
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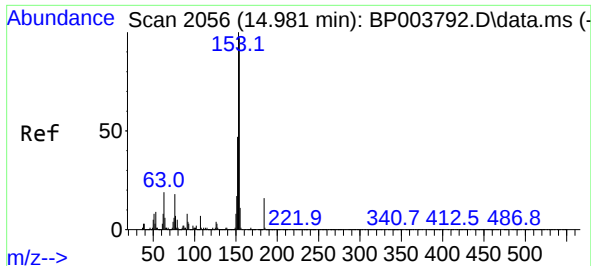
Tgt Ion:152 Resp: 169219
Ion Ratio Lower Upper
152 100
151 19.2 15.9 23.9
153 14.0 10.5 15.7



#52
Acenaphthene
Concen: 6.14 ng
RT: 14.957 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:154 Resp: 116109
Ion Ratio Lower Upper
154 100
153 112.3 91.0 136.6
152 50.9 43.0 64.6

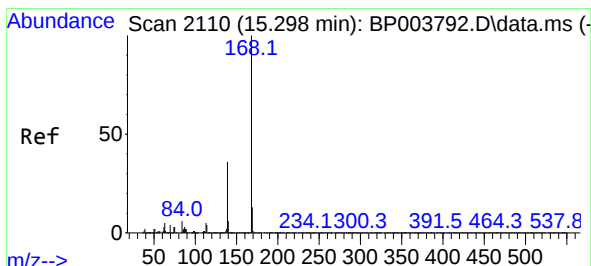
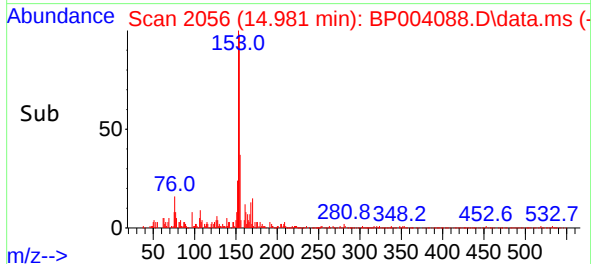
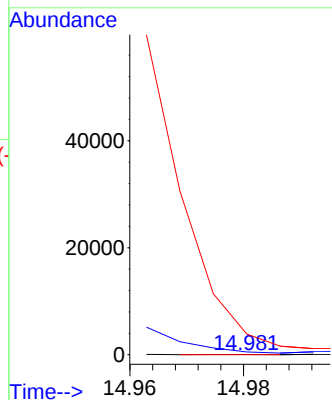
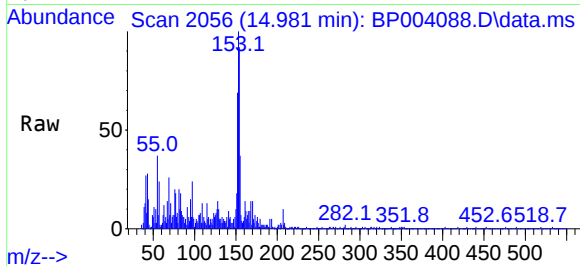




#54
2,4-Dinitrophenol
Concen: 2.74 ng
RT: 14.981 min Scan# 2056
Delta R.T. -0.012 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

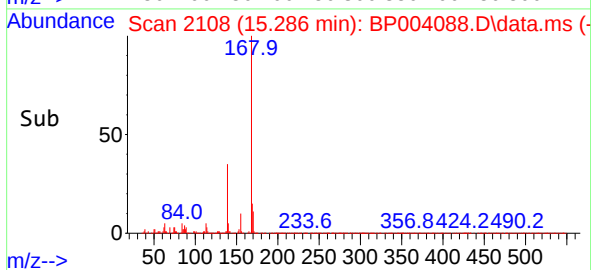
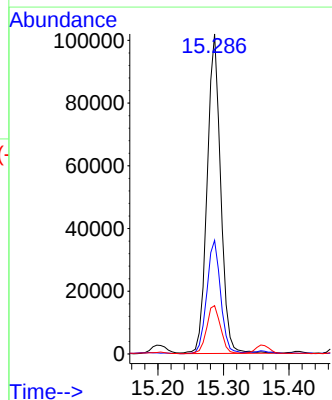
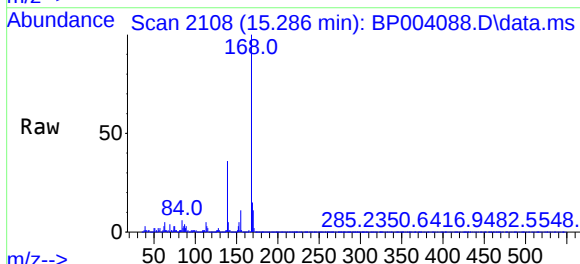
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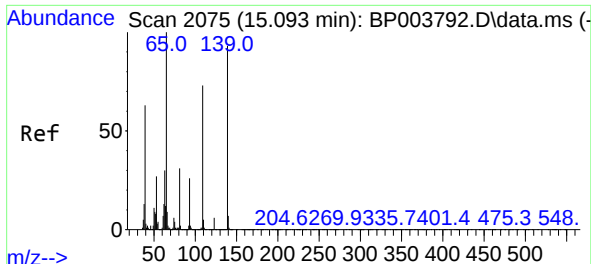
Tgt Ion:	184	Resp:	25
Ion	Ratio	Lower	Upper
184	100		
63	1190.7	32.3	48.5#
154	8955.8	49.1	73.7#



#55
Dibenzofuran
Concen: 5.21 ng
RT: 15.286 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:	168	Resp:	146280
Ion	Ratio	Lower	Upper
168	100		
139	35.5	29.1	43.7
169	15.1	10.4	15.6

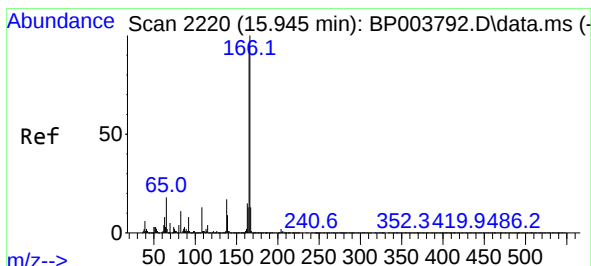
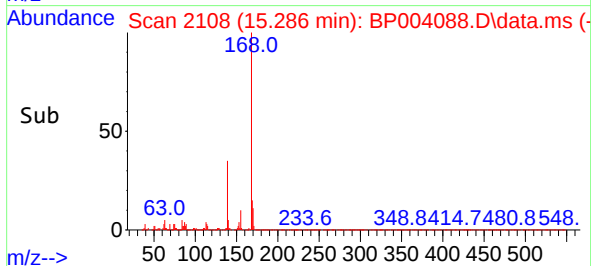
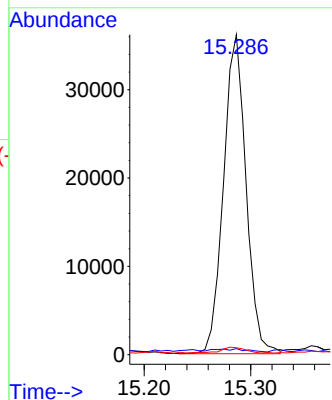
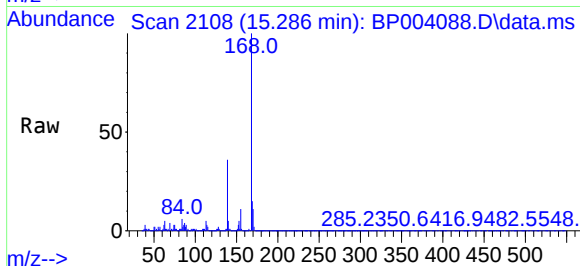




#56
4-Nitrophenol
Concen: 13.62 ng
RT: 15.286 min Scan# 2108
Delta R.T. 0.159 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

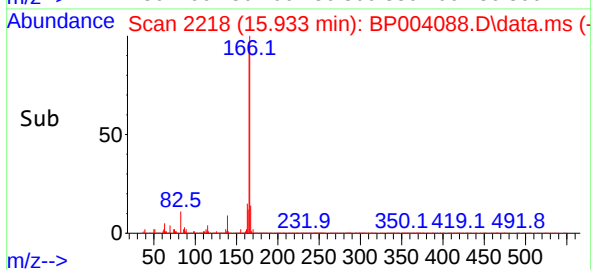
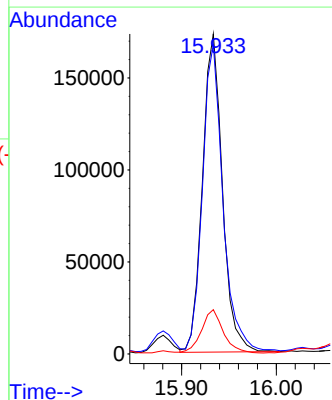
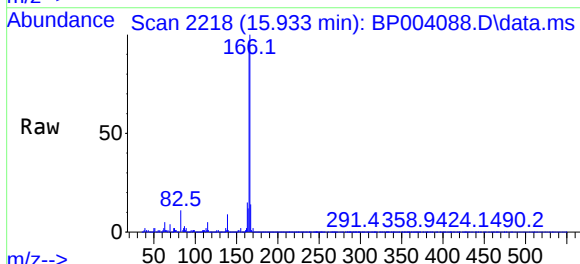
Instrument :
BNA_P
ClientSampleId :
OR-02-112020

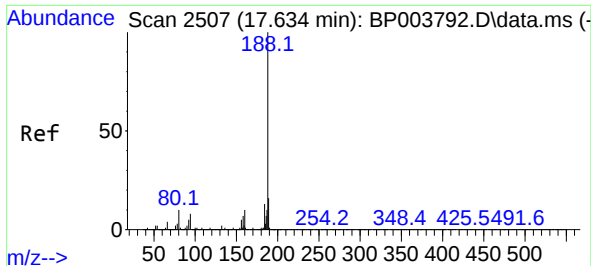
Tgt Ion:139 Resp: 52862
Ion Ratio Lower Upper
139 100
109 1.9 44.6 84.6#
65 2.2 41.6 81.6#



#58
Fluorene
Concen: 11.27 ng
RT: 15.933 min Scan# 2218
Delta R.T. 0.006 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:166 Resp: 253351
Ion Ratio Lower Upper
166 100
165 96.8 77.8 116.8
167 13.9 11.0 16.4

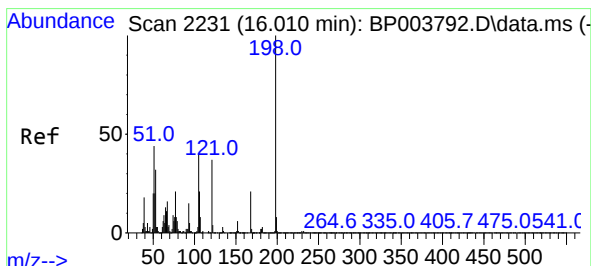
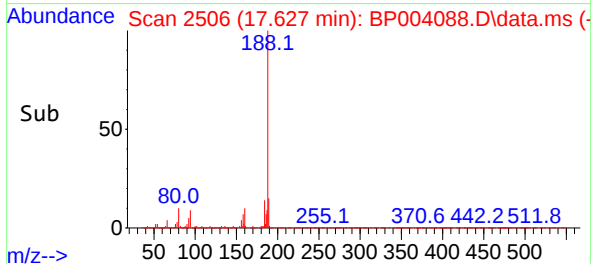
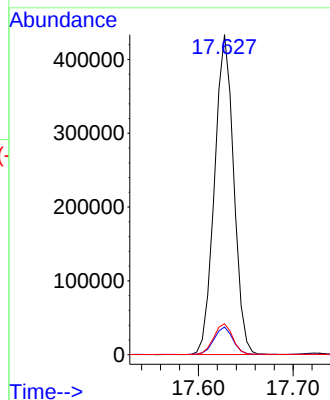
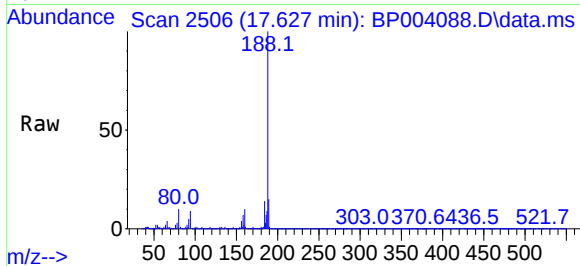




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.627 min Scan# 2506
Delta R.T. 0.006 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

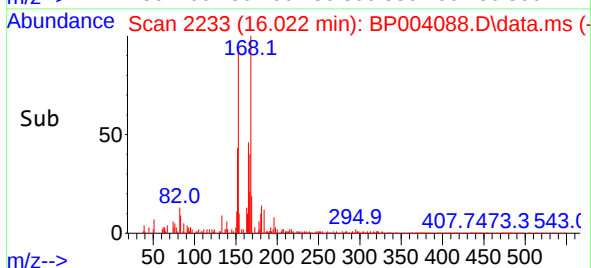
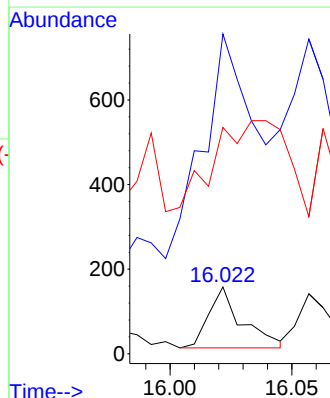
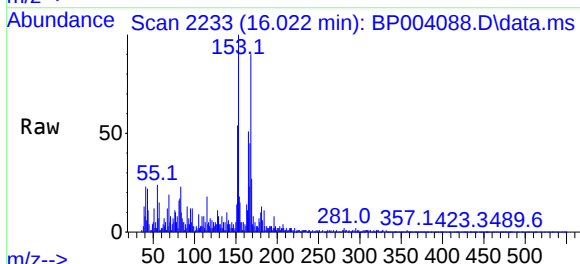
Instrument :
BNA_P
ClientSampleId :
OR-02-112020

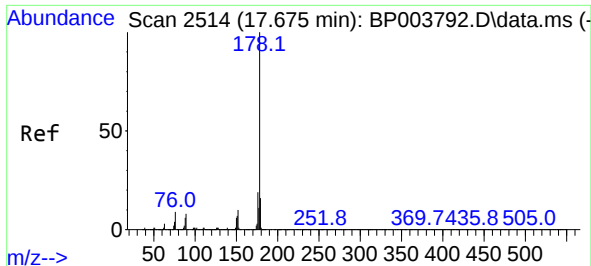
Tgt Ion:188 Resp: 611182
Ion Ratio Lower Upper
188 100
94 8.6 6.2 9.2
80 9.6 6.2 9.2#



#65
4,6-Dinitro-2-methylphenol
Concen: 6.38 ng
RT: 16.022 min Scan# 2233
Delta R.T. 0.006 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:198 Resp: 137
Ion Ratio Lower Upper
198 100
51 478.5 6.4 46.4#
105 338.6 18.9 58.9#

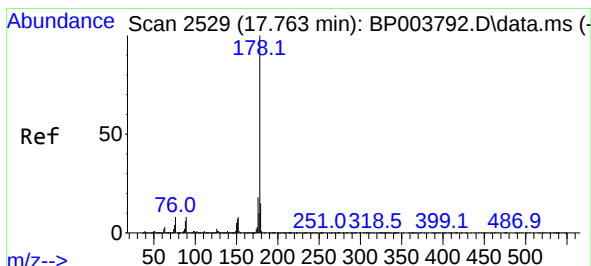
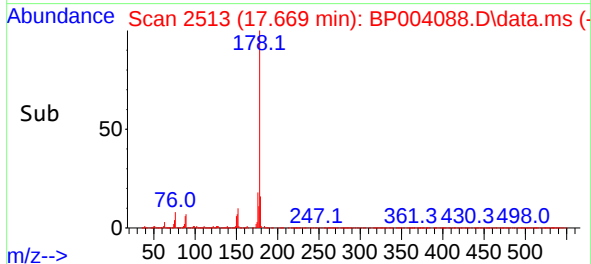
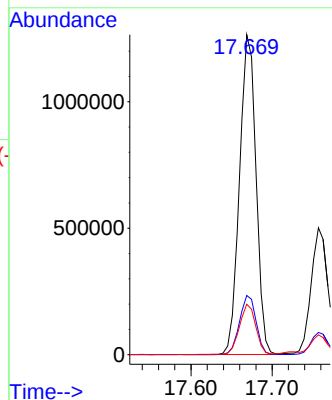
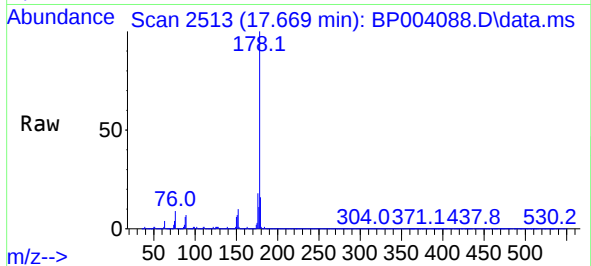




#71
Phenanthrene
Concen: 51.97 ng
RT: 17.669 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

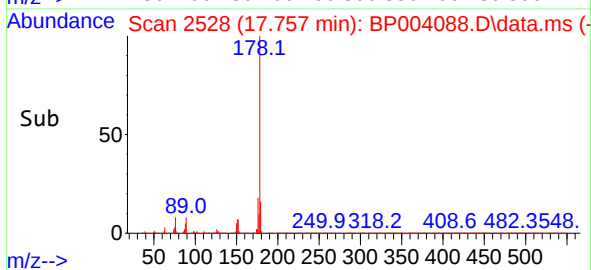
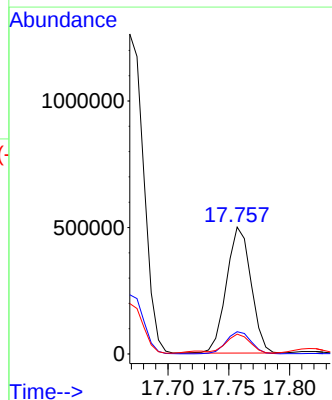
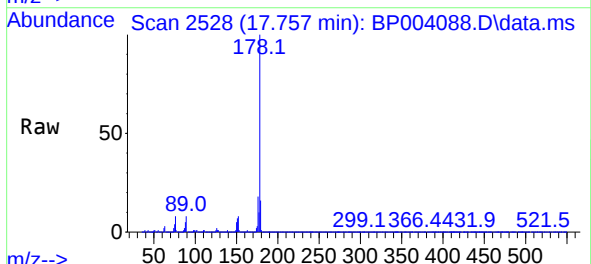
Instrument :
BNA_P
ClientSampleId :
OR-02-112020

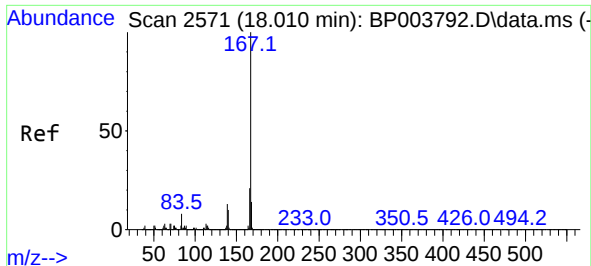
Tgt Ion:178 Resp: 1782812
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.7 12.5 18.7



#72
Anthracene
Concen: 21.17 ng
RT: 17.757 min Scan# 2528
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:178 Resp: 701458
Ion Ratio Lower Upper
178 100
176 17.6 15.0 22.4
179 15.7 12.5 18.7

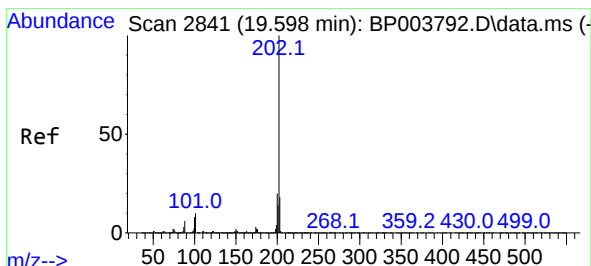
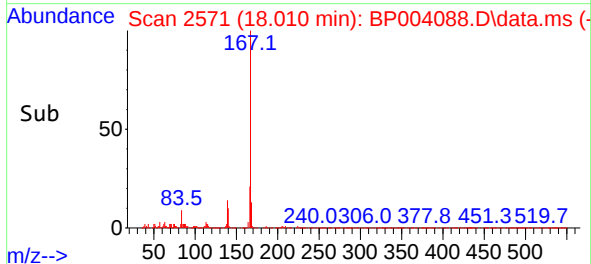
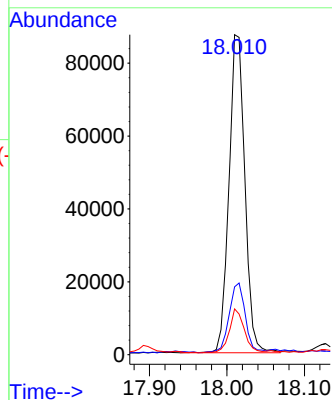
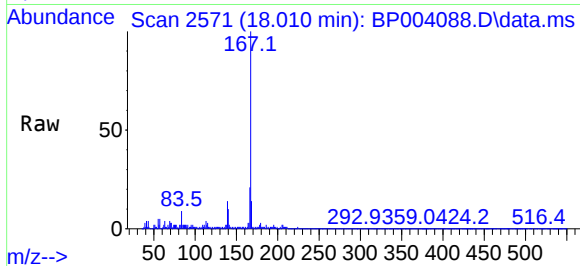




#73
 Carbazole
 Concen: 4.07 ng
 RT: 18.010 min Scan# 2571
 Delta R.T. 0.000 min
 Lab File: BP004088.D
 Acq: 24 Nov 2020 22:08

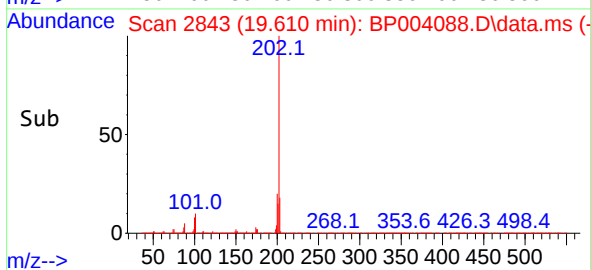
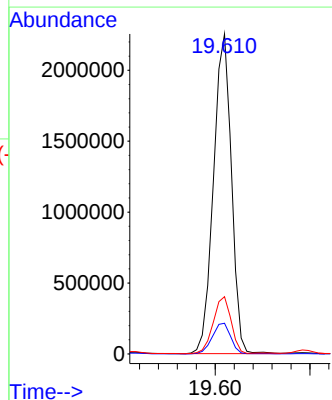
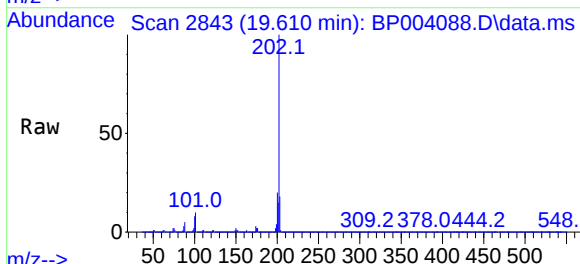
Instrument :
 BNA_P
 ClientSampleId :
 OR-02-112020

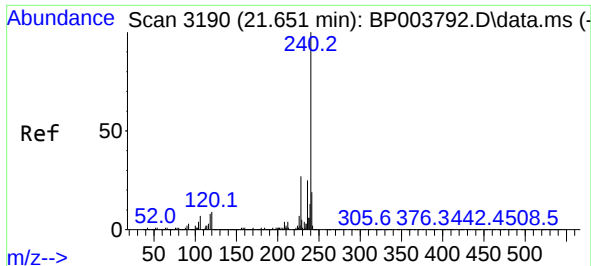
Tgt Ion:167	Resp: 124946
Ion Ratio	Lower Upper
167 100	
166 21.2	17.6 26.4
139 14.3	10.2 15.4



#75
 Fluoranthene
 Concen: 75.08 ng
 RT: 19.610 min Scan# 2843
 Delta R.T. 0.006 min
 Lab File: BP004088.D
 Acq: 24 Nov 2020 22:08

Tgt Ion:202	Resp: 2971571
Ion Ratio	Lower Upper
202 100	
101 9.6	0.0 29.4
203 17.9	0.0 37.8



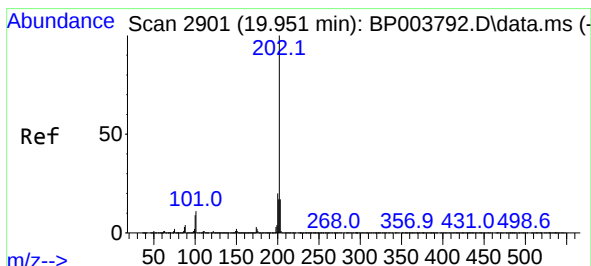
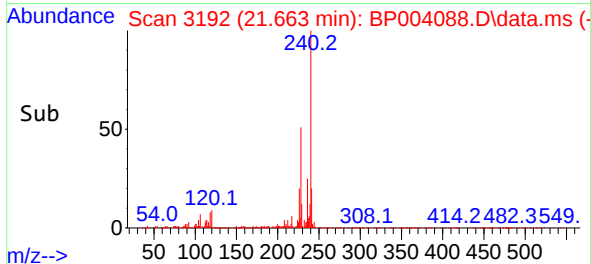
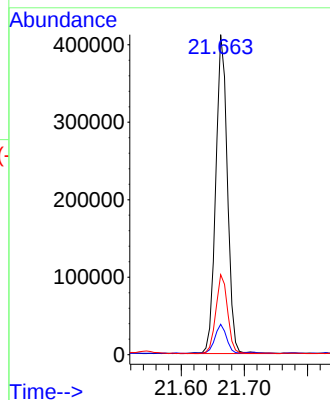
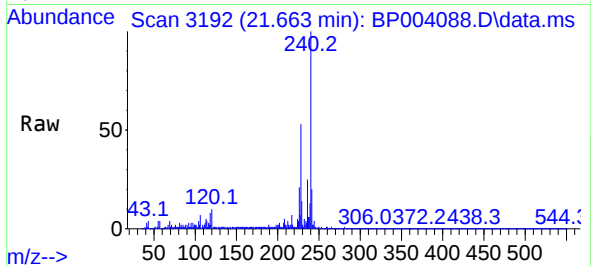


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.663 min Scan# 3192
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

Tgt Ion:240 Resp: 526032

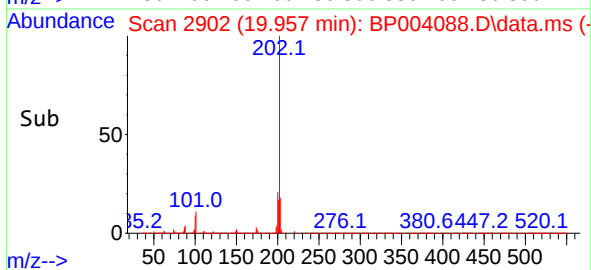
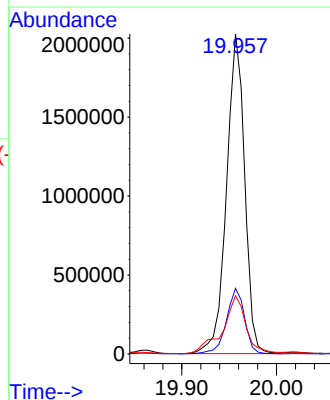
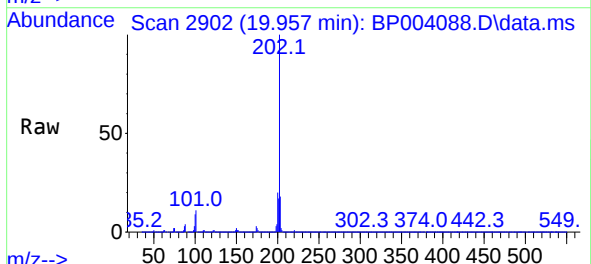
Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.8	11.6
236	25.0	20.8	31.2

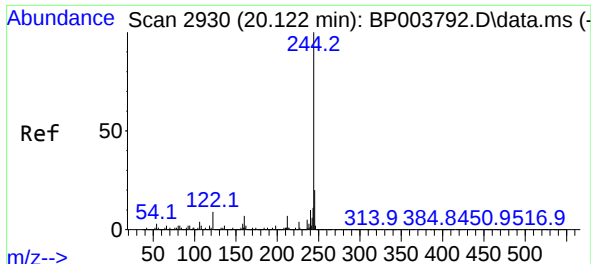


#78
Pyrene
Concen: 75.61 ng
RT: 19.957 min Scan# 2902
Delta R.T. 0.006 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:202 Resp: 2698957

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.1	25.7
203	18.2	14.2	21.2



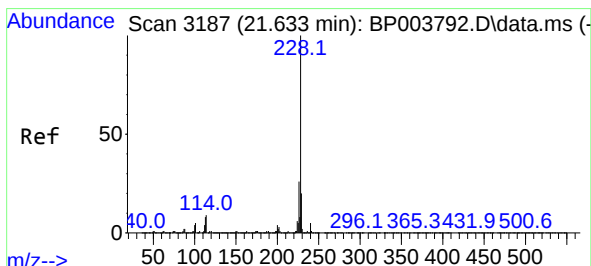
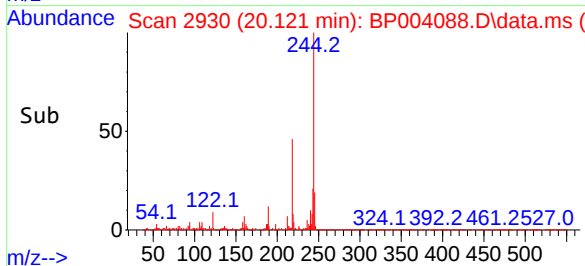
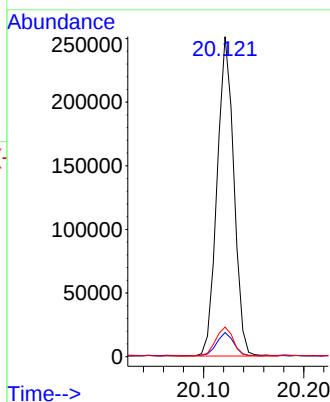
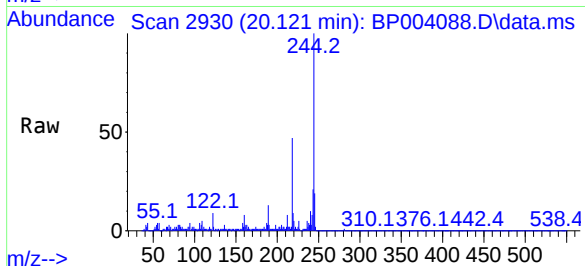


#79
Terphenyl-d14
Concen: 10.67 ng
RT: 20.121 min Scan# 2930
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

Tgt Ion:244 Resp: 290521

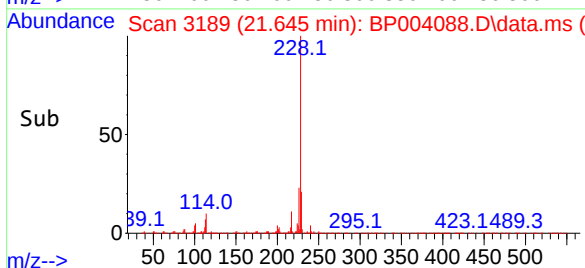
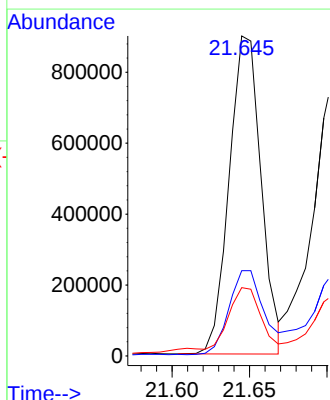
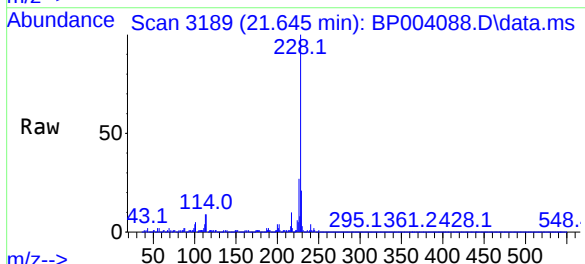
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	9.3	7.8	11.8

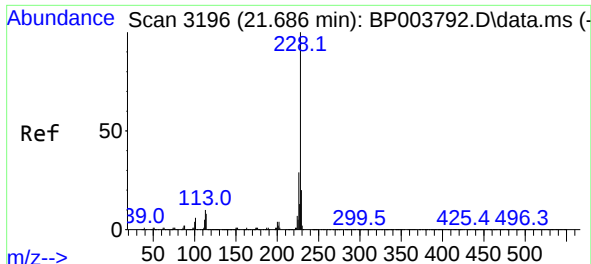


#81
Benzo(a)anthracene
Concen: 37.00 ng
RT: 21.645 min Scan# 3189
Delta R.T. 0.000 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:228 Resp: 1283529

Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.1	33.1
229	21.4	15.9	23.9



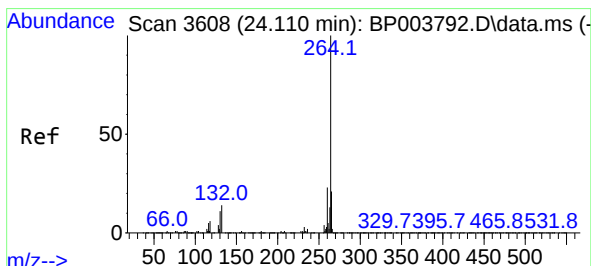
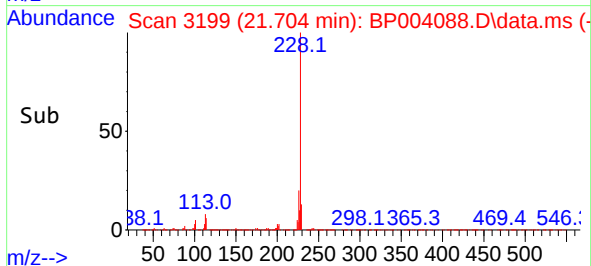
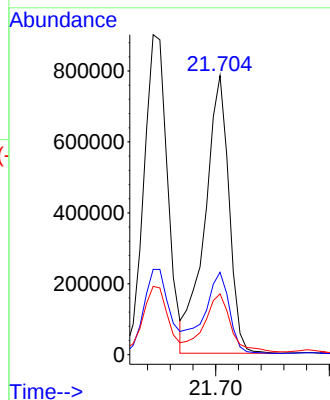
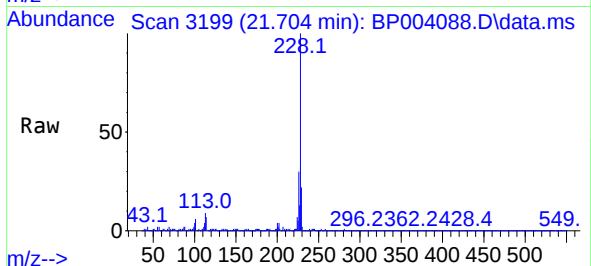


#83
Chrysene
Concen: 34.69 ng
RT: 21.704 min Scan# 3199
Delta R.T. 0.006 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Instrument :
BNA_P
ClientSampled :
OR-02-112020

Tgt Ion:228 Resp: 1156202

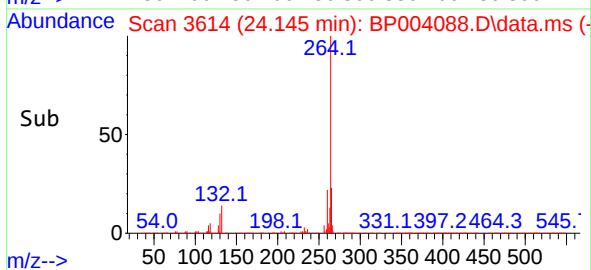
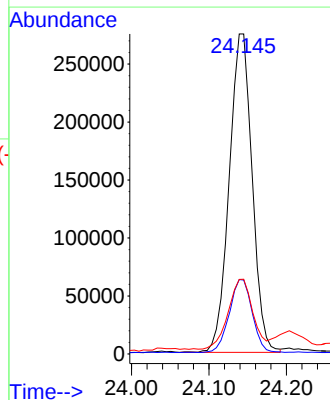
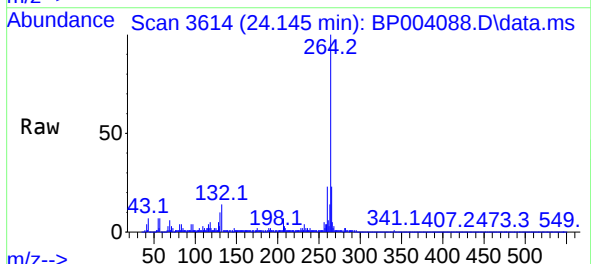
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.4	36.6
229	21.8	15.8	23.6

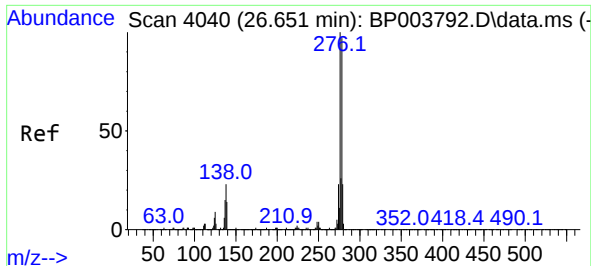


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.145 min Scan# 3614
Delta R.T. 0.018 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:264 Resp: 566115

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	23.4	17.4	26.2

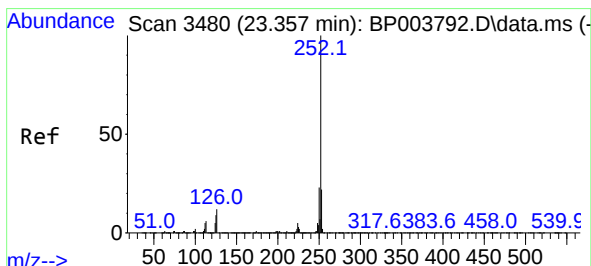
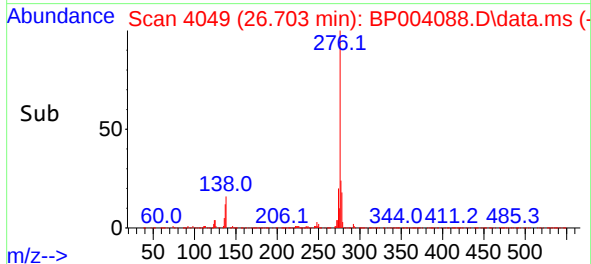
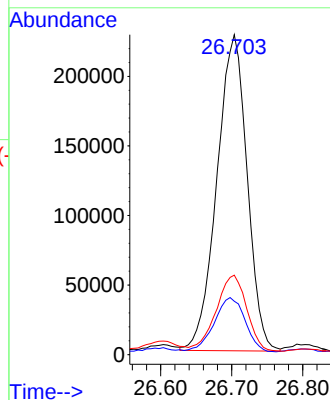
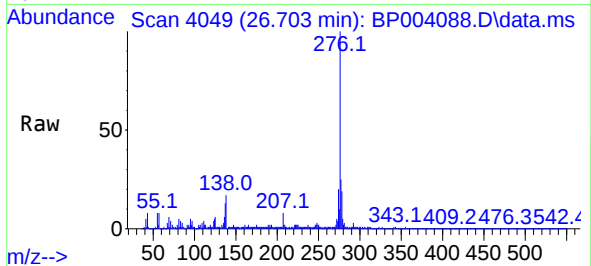




#87
Indeno(1,2,3-cd)pyrene
Concen: 16.46 ng
RT: 26.703 min Scan# 4049
Delta R.T. 0.012 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

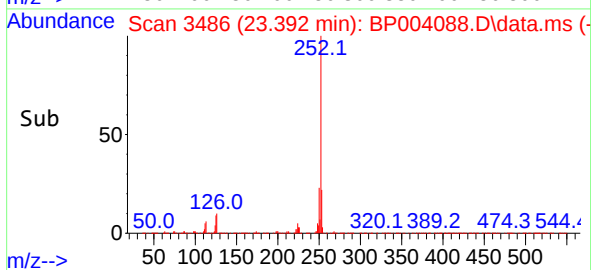
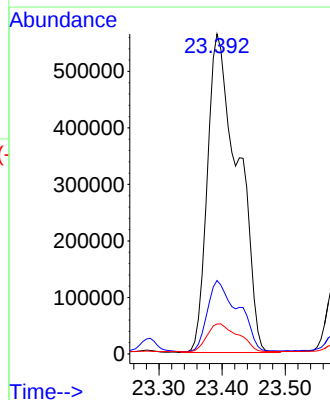
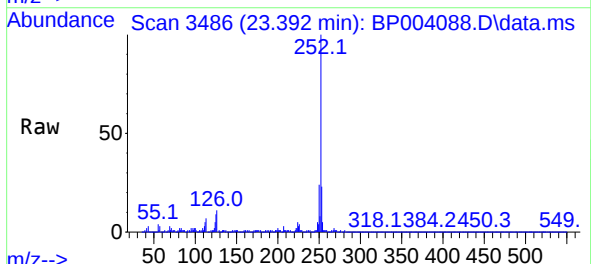
Instrument :
BNA_P
ClientSampled :
OR-02-112020

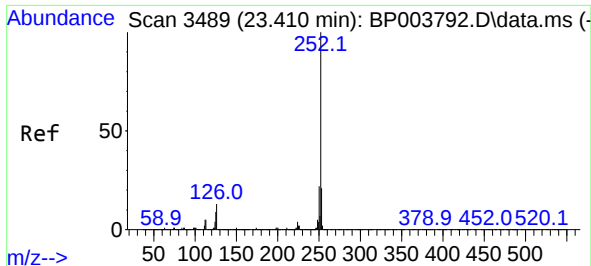
Tgt Ion:276 Resp: 672069
Ion Ratio Lower Upper
276 100
138 17.8 18.7 28.1#
277 24.3 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 51.34 ng
RT: 23.392 min Scan# 3486
Delta R.T. 0.012 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:252 Resp: 1901935
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 9.3 7.3 10.9

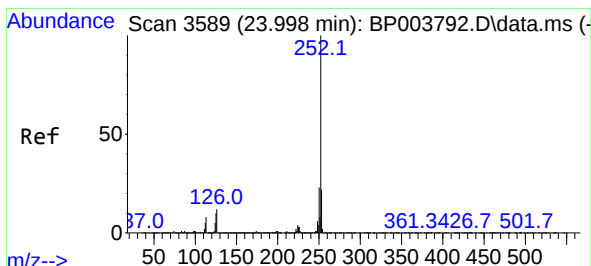
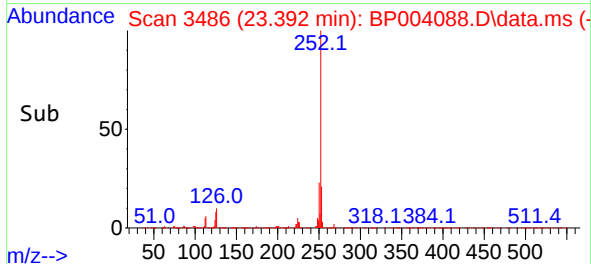
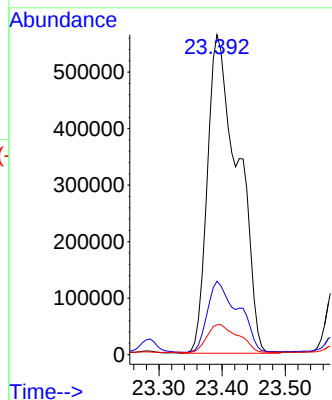
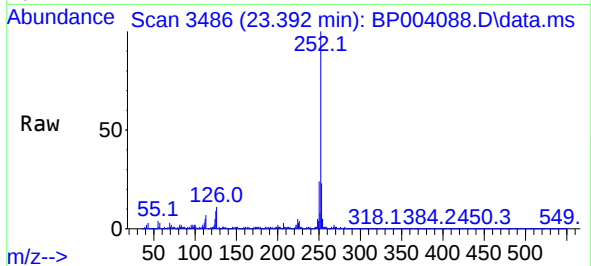




#89
Benzo(k)fluoranthene
Concen: 51.99 ng
RT: 23.392 min Scan# 3486
Delta R.T. -0.035 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

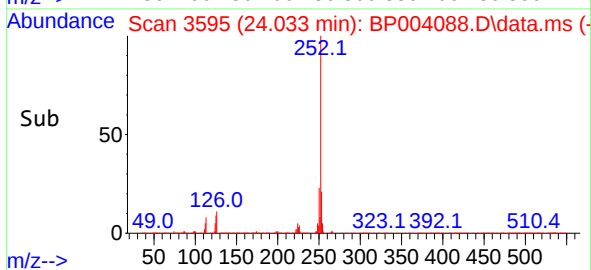
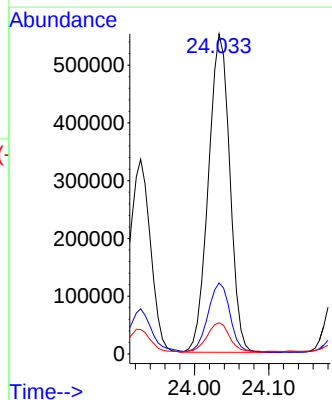
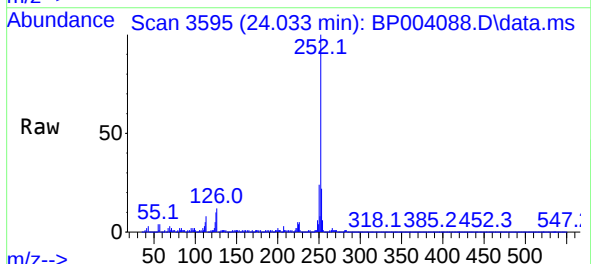
Instrument :
BNA_P
ClientSampleId :
OR-02-112020

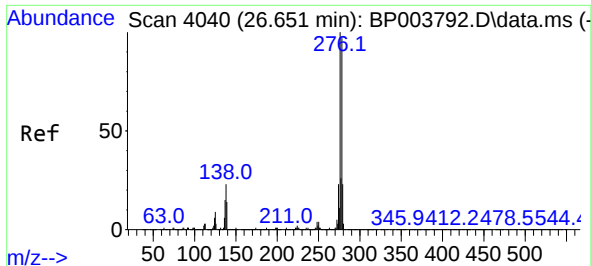
Tgt Ion:252 Resp: 1901935
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 9.3 7.4 11.2



#90
Benzo(a)pyrene
Concen: 32.20 ng
RT: 24.033 min Scan# 3595
Delta R.T. 0.012 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:252 Resp: 1104142
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 9.7 8.2 12.4

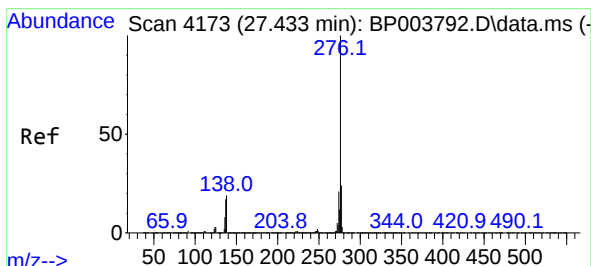
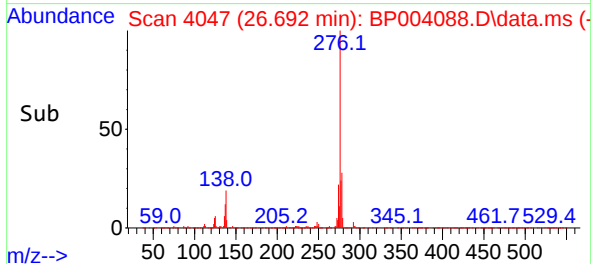
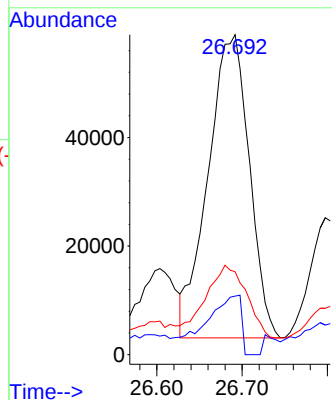
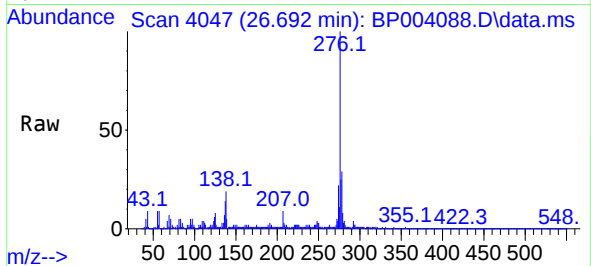




#91
Dibenzo(a,h)anthracene
Concen: 5.51 ng
RT: 26.692 min Scan# 4047
Delta R.T. 0.006 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Instrument :
BNA_P
ClientSampled :
OR-02-112020

Tgt Ion:278 Resp: 187636
Ion Ratio Lower Upper
278 100
139 18.3 12.4 18.6
279 25.9 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 18.92 ng
RT: 27.492 min Scan# 4183
Delta R.T. 0.012 min
Lab File: BP004088.D
Acq: 24 Nov 2020 22:08

Tgt Ion:276 Resp: 623468
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.6
138 18.2 16.6 24.8

