

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112020\
 Data File : BP004032.D
 Acq On : 20 Nov 2020 19:42
 Operator : CG/JU
 Sample : L4810-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-111920

Quant Time: Nov 23 04:04:28 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 03:48:44 2020
 Response via : Initial Calibration

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

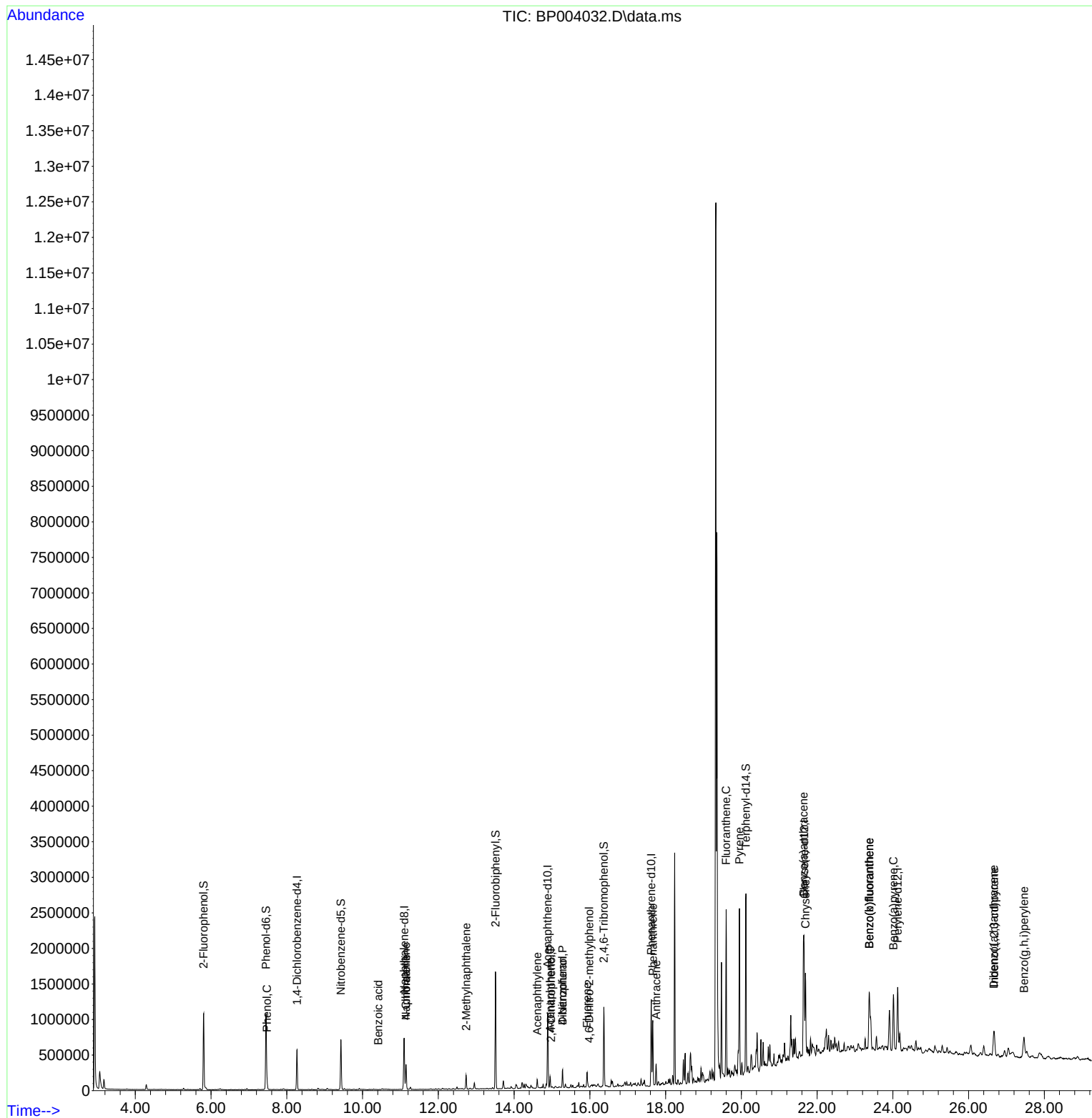
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.269	152	151238	20.00	ng	-0.02
21) Naphthalene-d8	11.099	136	590323	20.00	ng	#-0.03
39) Acenaphthene-d10	14.887	164	356836	20.00	ng	-0.02
64) Phenanthrene-d10	17.622	188	725115	20.00	ng	#-0.01
76) Chrysene-d12	21.657	240	666289	20.00	ng	0.00
86) Perylene-d12	24.127	264	705667	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.805	112	456013	50.32	ng	0.00
7) Phenol-d6	7.452	99	595353	45.77	ng	0.00
23) Nitrobenzene-d5	9.428	82	373386	30.98	ng	-0.03
42) 2,4,6-Tribromophenol	16.369	330	201577	45.17	ng	-0.02
45) 2-Fluorobiphenyl	13.510	172	828138	32.45	ng	-0.02
79) Terphenyl-d14	20.122	244	1015412	29.44	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.387	77	792	Below Cal	#	53
10) Phenol	7.475	94	53225	4.24	ng	73
31) Naphthalene	11.146	128	270274	8.53	ng	99
32) Benzoic acid	10.416	122	92	8.32	ng	# 11
33) 4-Chloroaniline	11.146	127	34892	2.59	ng	# 32
37) 2-Methylnaphthalene	12.734	142	90449	3.99	ng	96
49) Acenaphthylene	14.610	152	87754	2.63	ng	99
52) Acenaphthene	14.951	154	51379	2.31	ng	97
54) 2,4-Dinitrophenol	14.975	184	15	2.74	ng	# 1
55) Dibenzofuran	15.281	168	136781	4.14	ng	98
56) 4-Nitrophenol	15.281	139	49461	10.83	ng	# 21
58) Fluorene	15.928	166	93975	3.55	ng	98
65) 4,6-Dinitro-2-methylph...	15.981	198	31	6.35	ng	# 1
71) Phenanthrene	17.663	178	539405	13.25	ng	99
72) Anthracene	17.751	178	188511	4.80	ng	99
75) Fluoranthene	19.598	202	1321902	28.15	ng	99
78) Pyrene	19.951	202	1433613	31.71	ng	99
81) Benzo(a)anthracene	21.639	228	737498	16.78	ng	98
83) Chrysene	21.692	228	705956	16.72	ng	97
87) Indeno(1,2,3-cd)pyrene	26.674	276	361168	7.09	ng	# 94
88) Benzo(b)fluoranthene	23.380	252	1044186	22.61	ng	98
89) Benzo(k)fluoranthene	23.380	252	1044186	22.90	ng	98
90) Benzo(a)pyrene	24.016	252	601656	14.07	ng	98
91) Dibenzo(a,h)anthracene	26.662	278	105327	2.48	ng	92
92) Benzo(g,h,i)perylene	27.462	276	368835	8.98	ng	99

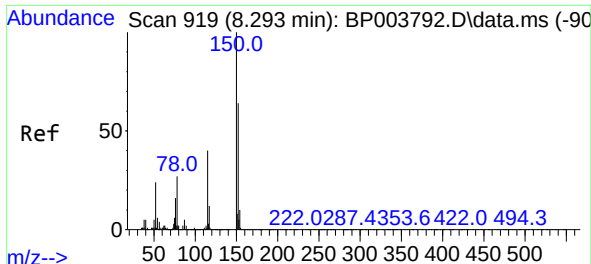
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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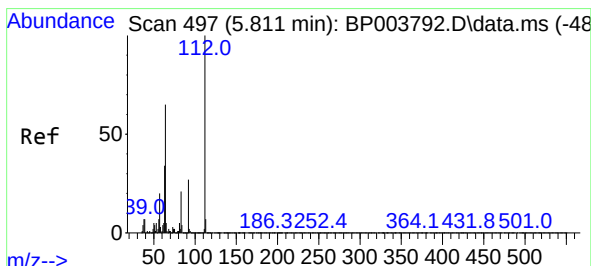
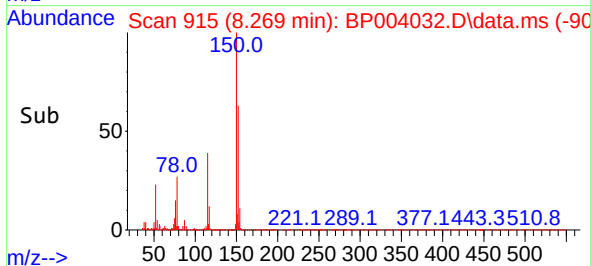
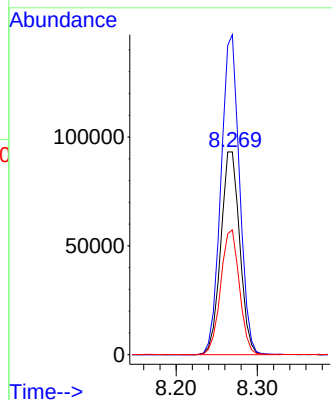
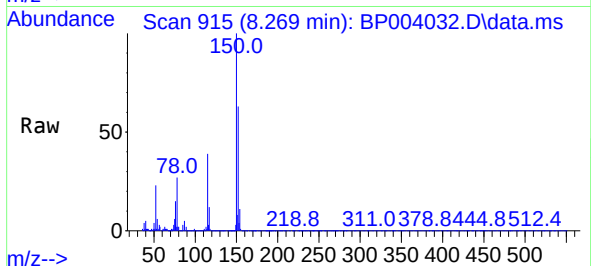




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.269 min Scan# 915
Delta R.T. -0.024 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

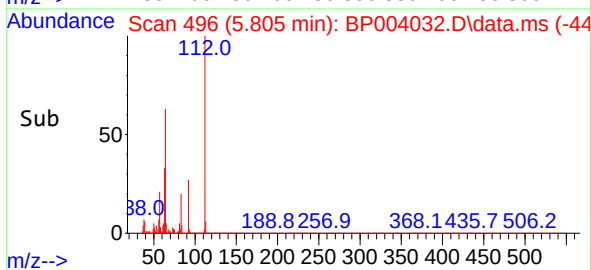
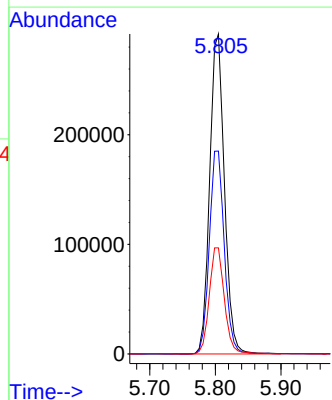
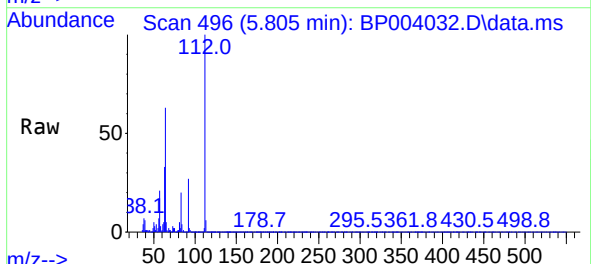
Instrument :
BNA_P
ClientSampleId :
TR-04-111920

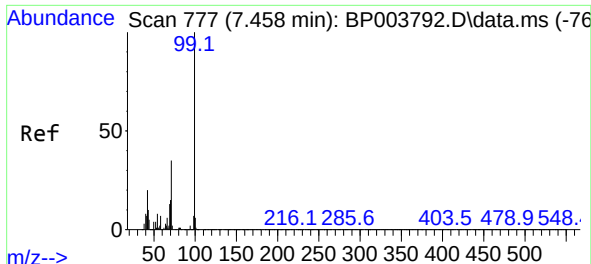
Tgt Ion:152 Resp: 151238
Ion Ratio Lower Upper
152 100
150 157.8 123.8 185.6
115 61.5 43.8 65.6



#5
2-Fluorophenol
Concen: 50.32 ng
RT: 5.805 min Scan# 496
Delta R.T. -0.006 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:112 Resp: 456013
Ion Ratio Lower Upper
112 100
64 63.4 32.8 49.2#
63 33.1 17.0 25.4#

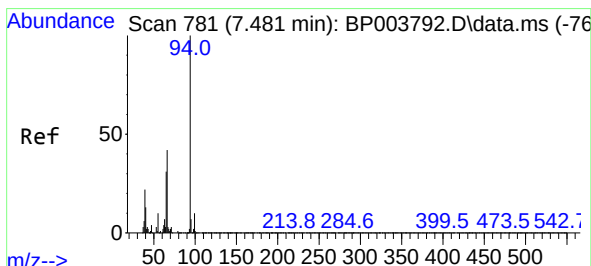
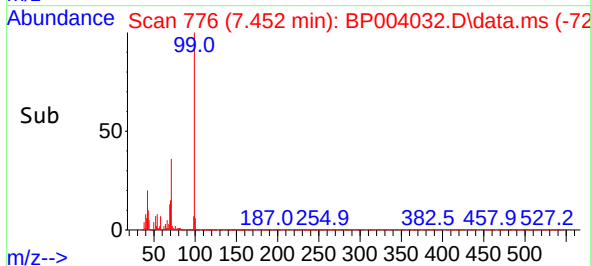
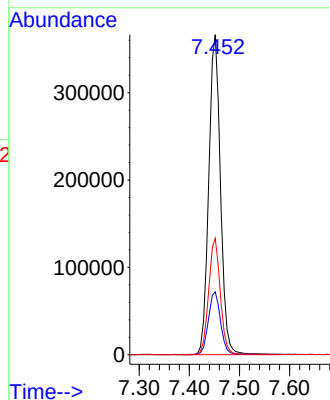
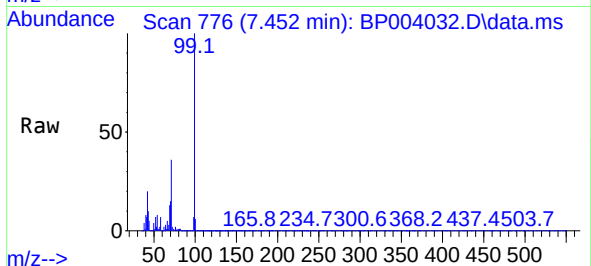




#7
Phenol-d6
Concen: 45.77 ng
RT: 7.452 min Scan# 776
Delta R.T. -0.006 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

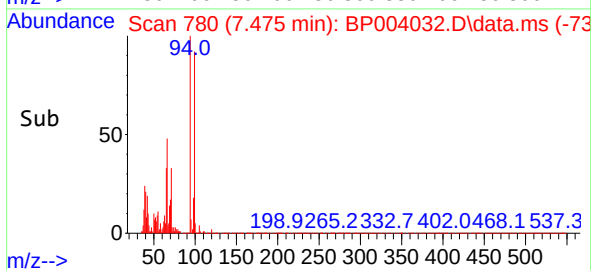
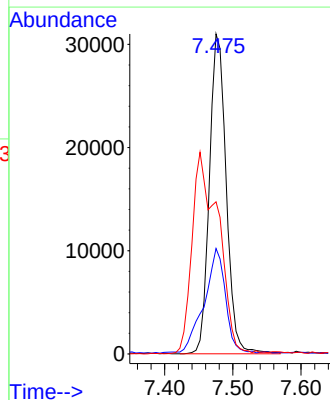
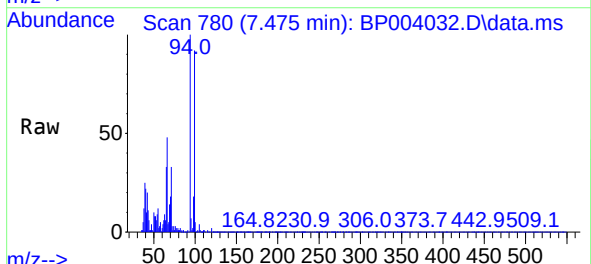
Instrument :
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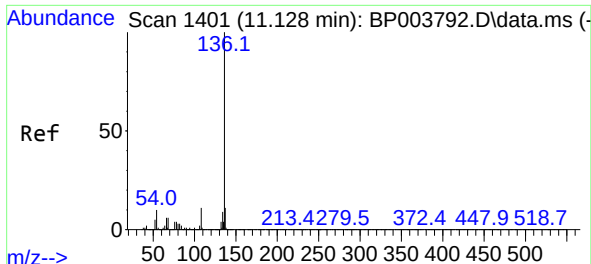
Tgt Ion: 99 Resp: 595353
Ion Ratio Lower Upper
99 100
42 19.6 8.6 13.0#
71 36.4 23.4 35.2#



#10
Phenol
Concen: 4.24 ng
RT: 7.475 min Scan# 780
Delta R.T. -0.006 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion: 94 Resp: 53225
Ion Ratio Lower Upper
94 100
65 32.9 2.3 42.3
66 47.6 10.9 50.9



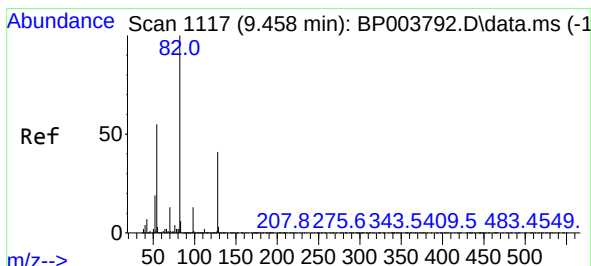
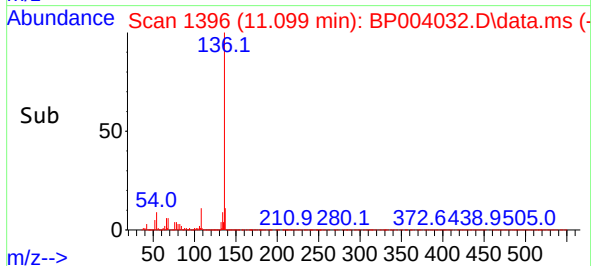
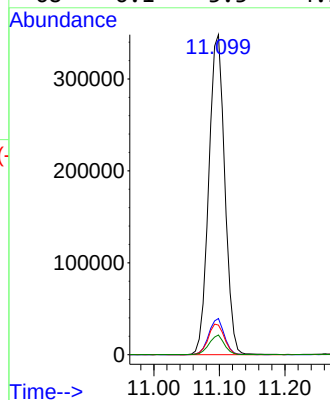
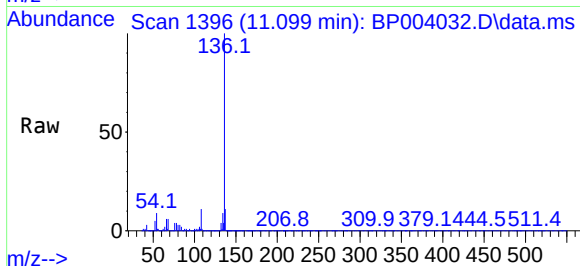


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.099 min Scan# 1396
Delta R.T. -0.030 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Instrument :
BNA_P
ClientSampleId :
TR-04-111920

Tgt Ion:136 Resp: 590323

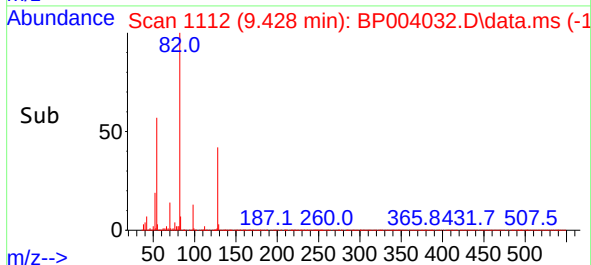
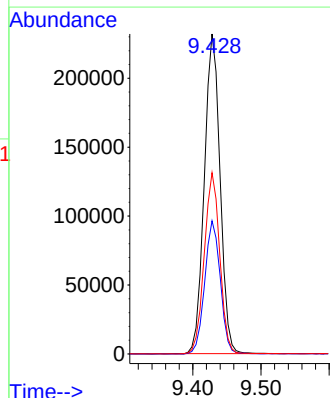
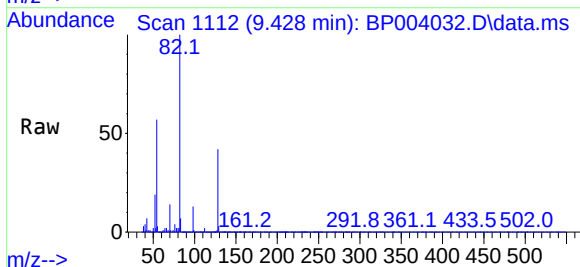
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	9.2	3.6	5.4#
68	6.1	3.3	4.9#

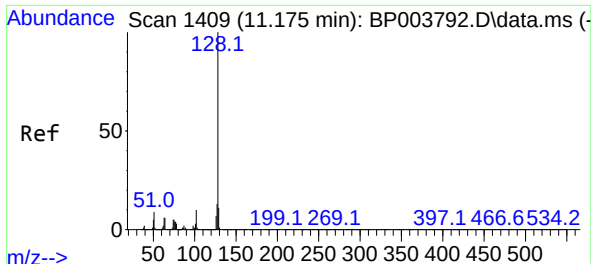


#23
Nitrobenzene-d5
Concen: 30.98 ng
RT: 9.428 min Scan# 1112
Delta R.T. -0.030 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion: 82 Resp: 373386

Ion	Ratio	Lower	Upper
82	100		
128	41.6	45.6	68.4#
54	56.6	30.1	45.1#



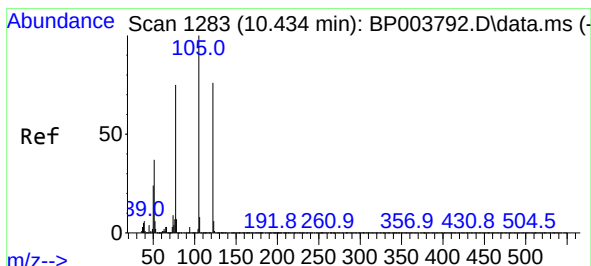
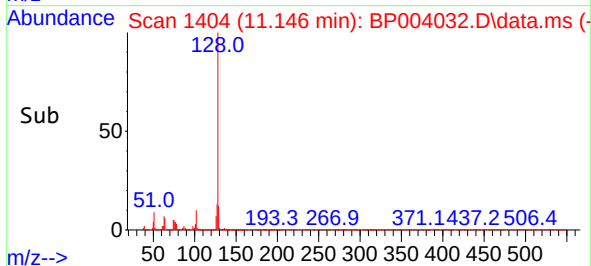
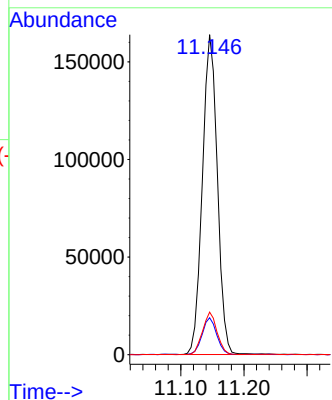
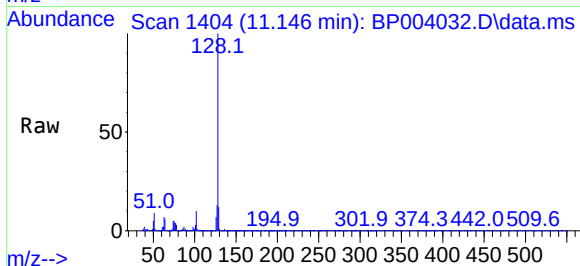


#31
Naphthalene
Concen: 8.53 ng
RT: 11.146 min Scan# 1404
Delta R.T. -0.029 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:128 Resp: 270274

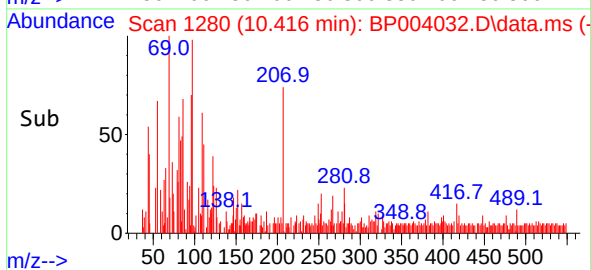
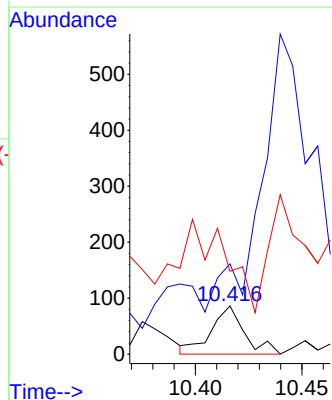
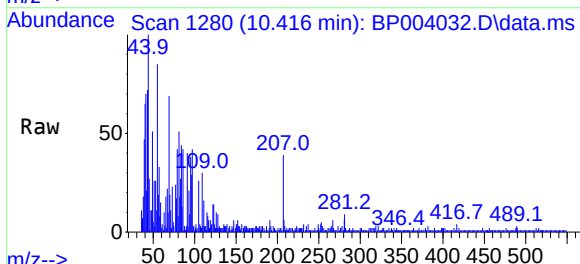
Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	13.3	10.6	15.8

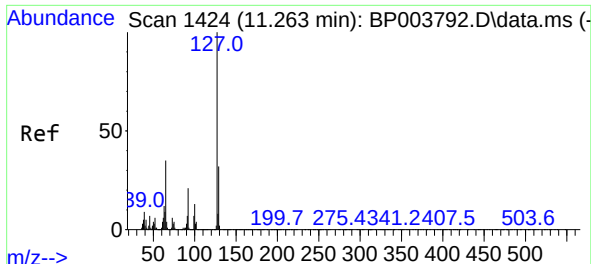


#32
Benzoic acid
Concen: 8.32 ng
RT: 10.416 min Scan# 1280
Delta R.T. -0.018 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:122 Resp: 92

Ion	Ratio	Lower	Upper
122	100		
105	187.2	94.1	134.1#
77	172.1	50.1	90.1#

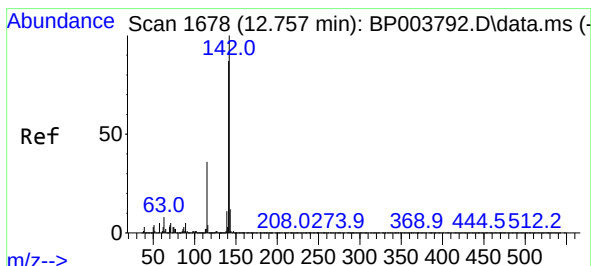
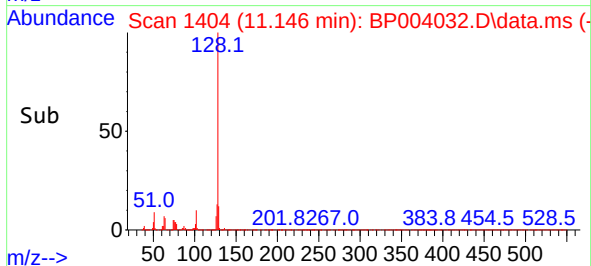
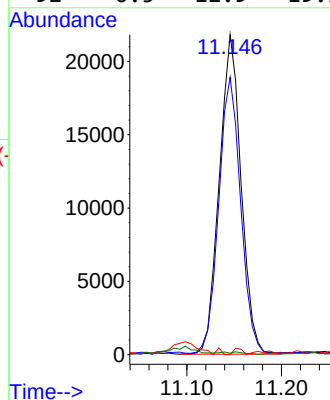
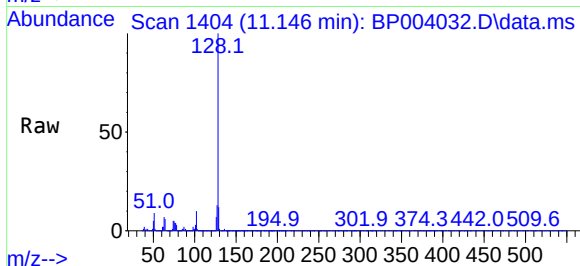




#33
4-Chloroaniline
Concen: 2.59 ng
RT: 11.146 min Scan# 1404
Delta R.T. -0.118 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

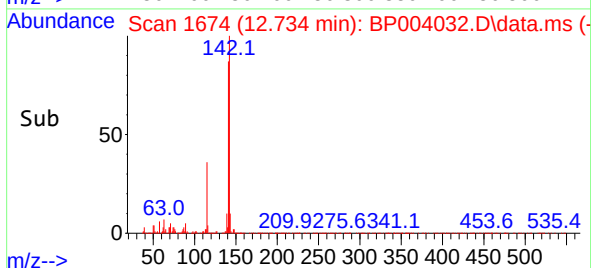
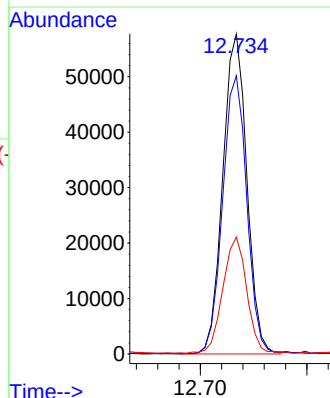
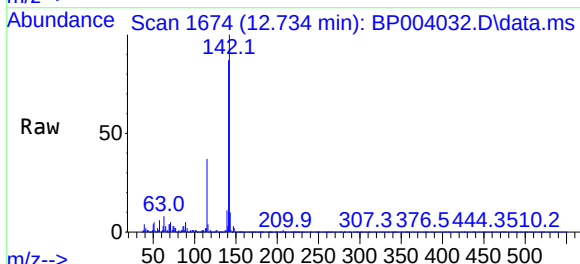
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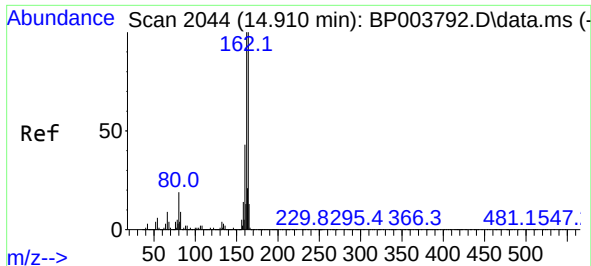
Tgt Ion:	127	Resp:	34892
Ion	Ratio	Lower	Upper
127	100		
129	86.7	25.7	38.5#
65	0.0	17.3	25.9#
92	0.5	12.9	19.3#



#37
2-Methylnaphthalene
Concen: 3.99 ng
RT: 12.734 min Scan# 1674
Delta R.T. -0.024 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:	142	Resp:	90449
Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.4	107.2
115	36.5	25.8	38.6

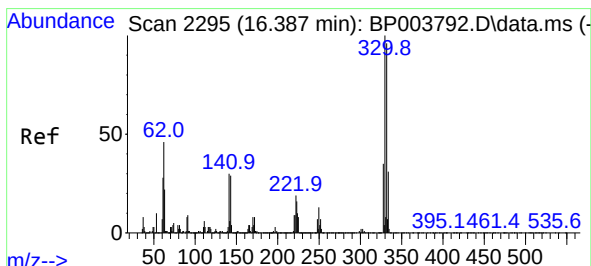
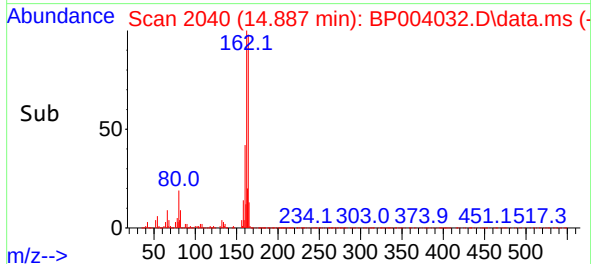
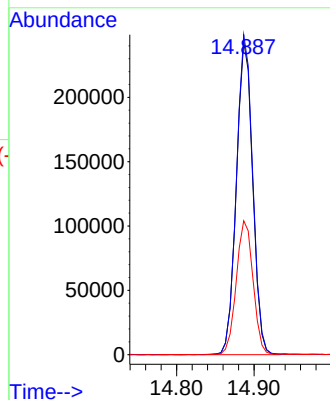
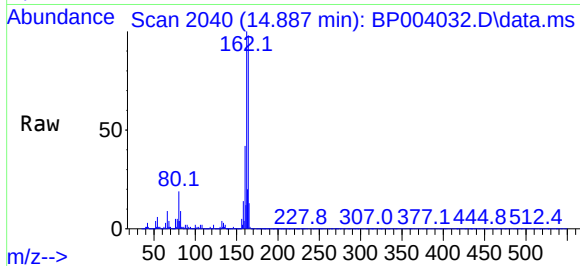




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.887 min Scan# 2040
Delta R.T. -0.024 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

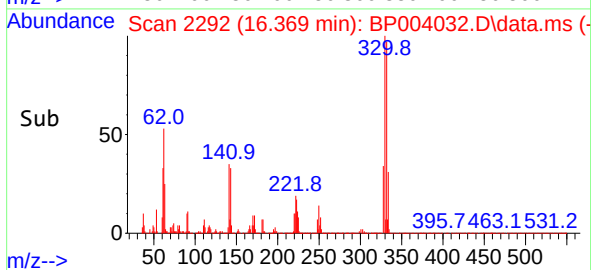
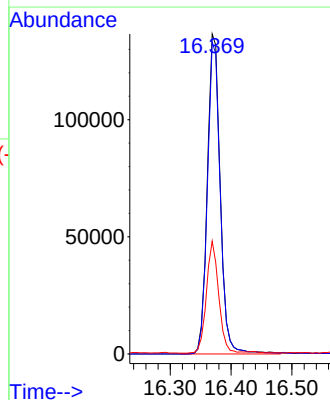
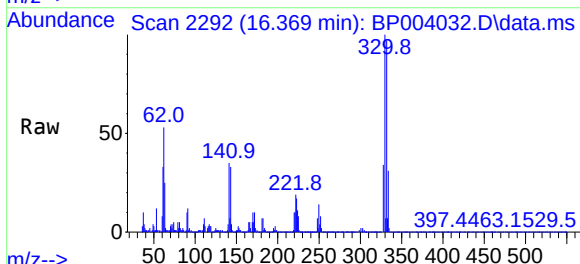
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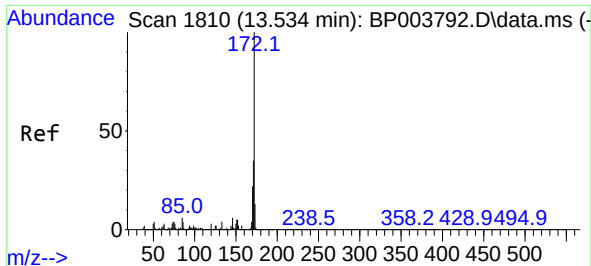
Tgt Ion:164 Resp: 356836
Ion Ratio Lower Upper
164 100
162 102.2 79.4 119.2
160 42.8 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 45.17 ng
RT: 16.369 min Scan# 2292
Delta R.T. -0.018 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:330 Resp: 201577
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 33.2 23.4 35.2

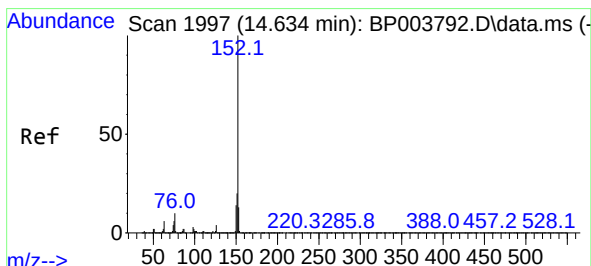
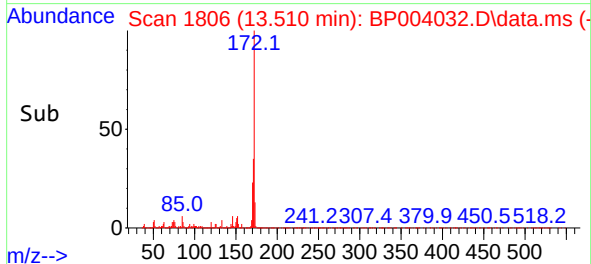
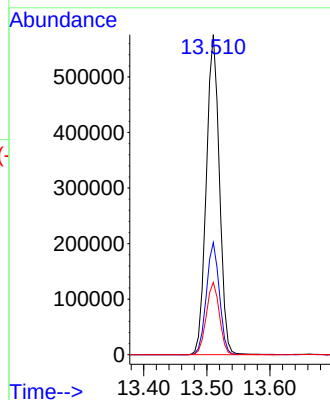
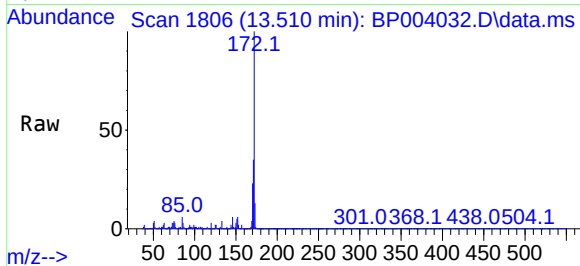




#45
2-Fluorobiphenyl
Concen: 32.45 ng
RT: 13.510 min Scan# 1806
Delta R.T. -0.024 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

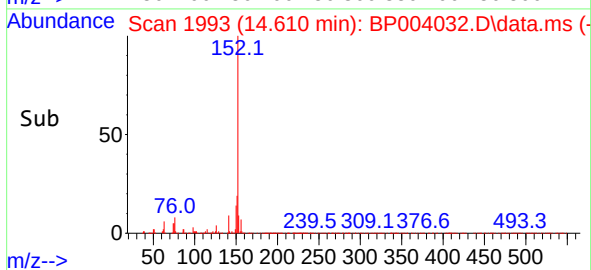
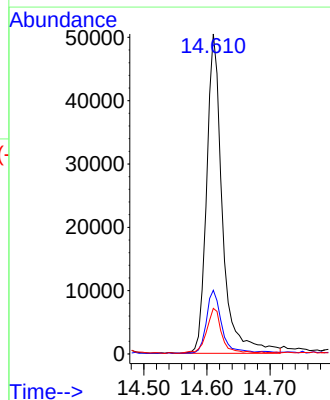
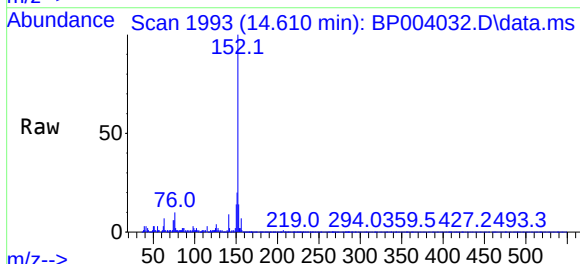
Instrument :
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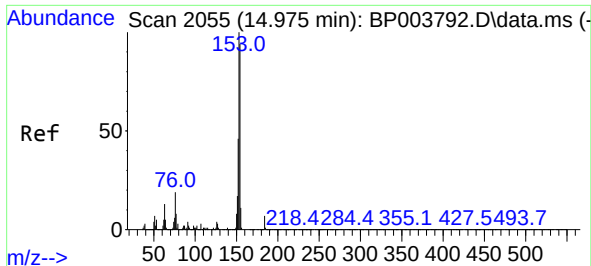
Tgt Ion:172 Resp: 828138
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 22.6 19.2 28.8



#49
Acenaphthylene
Concen: 2.63 ng
RT: 14.610 min Scan# 1993
Delta R.T. -0.024 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:152 Resp: 87754
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 14.3 10.5 15.7

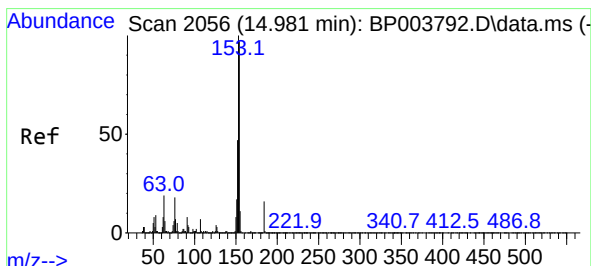
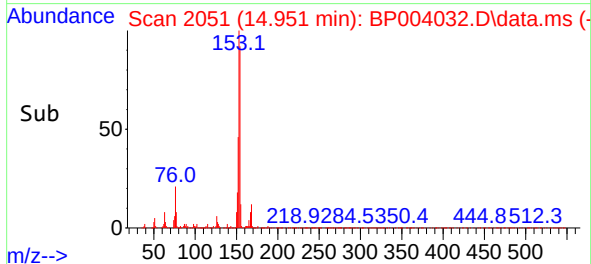
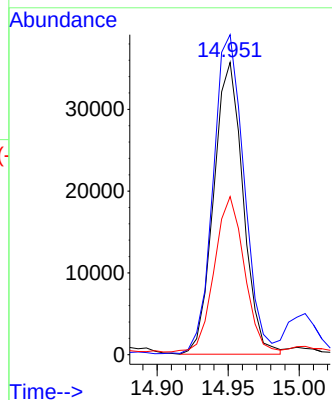
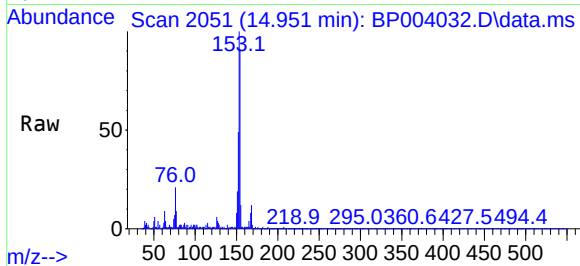




#52
Acenaphthene
Concen: 2.31 ng
RT: 14.951 min Scan# 2051
Delta R.T. -0.024 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

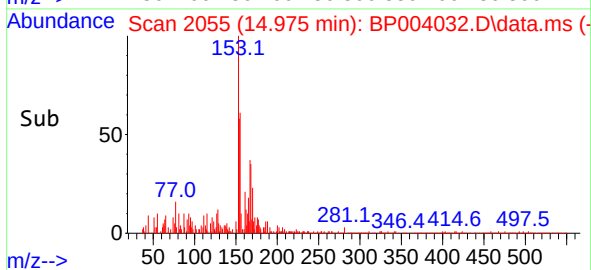
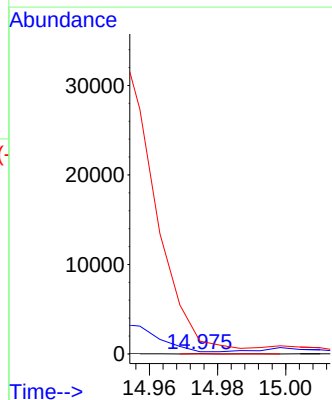
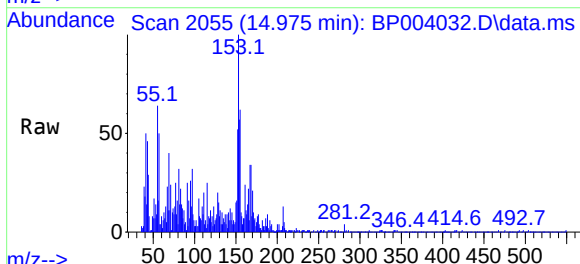
Instrument :
BNA_P
ClientSampleId :
TR-04-111920

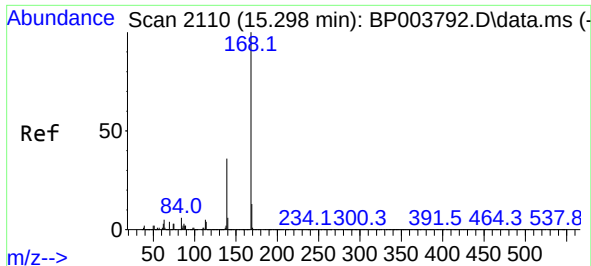
Tgt Ion:	154	Resp:	51379
Ion Ratio	Lower	Upper	
154	100		
153	109.4	91.0	136.6
152	54.1	43.0	64.6



#54
2,4-Dinitrophenol
Concen: 2.74 ng
RT: 14.975 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:	184	Resp:	15
Ion Ratio	Lower	Upper	
184	100		
63	645.0	32.3	48.5#
154	3562.5	49.1	73.7#

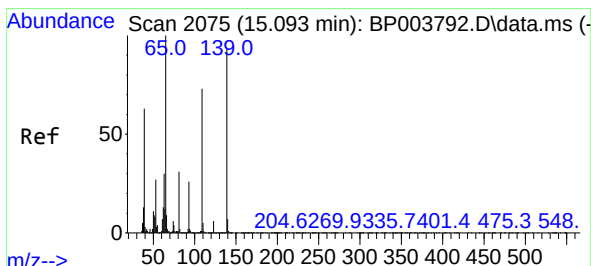
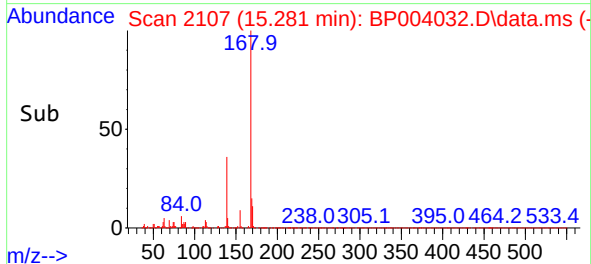
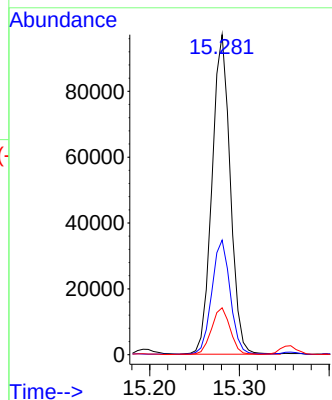
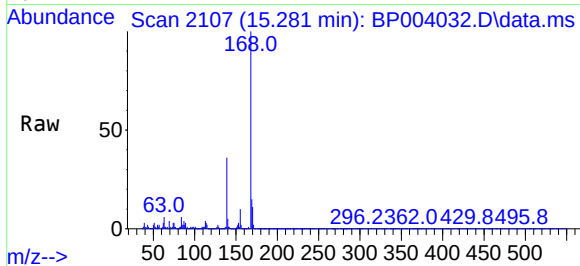




#55
Dibenzofuran
Concen: 4.14 ng
RT: 15.281 min Scan# 2107
Delta R.T. -0.018 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

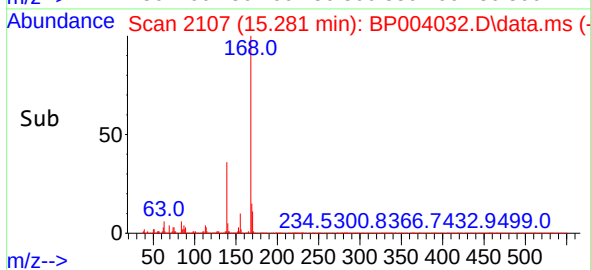
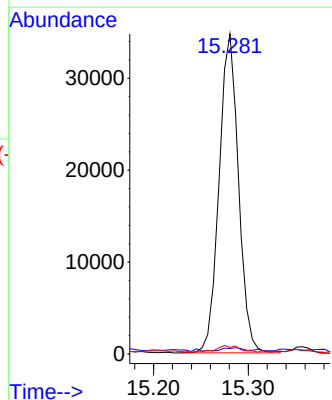
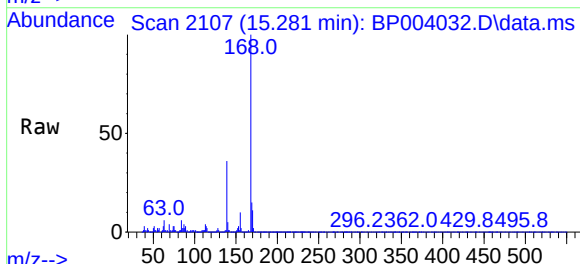
Instrument :
BNA_P
ClientSampleId :
TR-04-111920

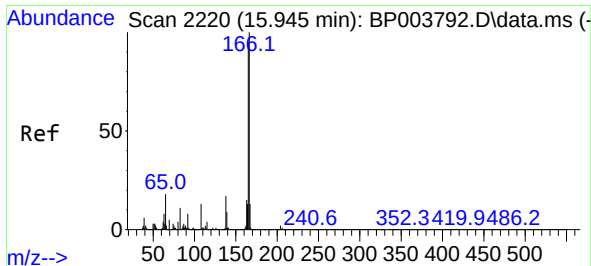
Tgt Ion:168 Resp: 136781
Ion Ratio Lower Upper
168 100
139 35.8 29.1 43.7
169 14.7 10.4 15.6



#56
4-Nitrophenol
Concen: 10.83 ng
RT: 15.281 min Scan# 2107
Delta R.T. 0.188 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:139 Resp: 49461
Ion Ratio Lower Upper
139 100
109 1.7 44.6 84.6#
65 2.0 41.6 81.6#

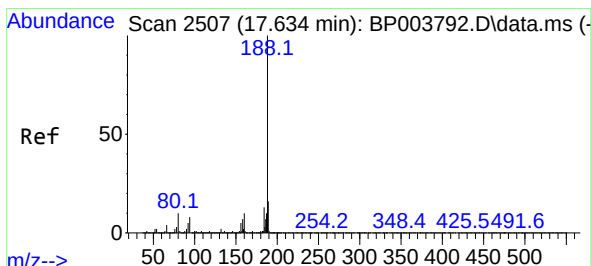
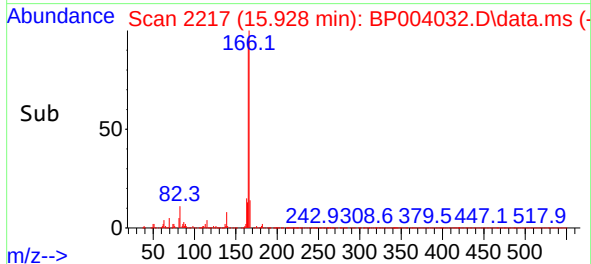
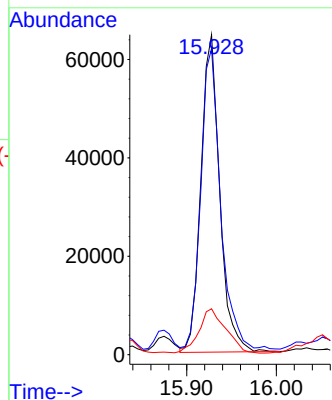
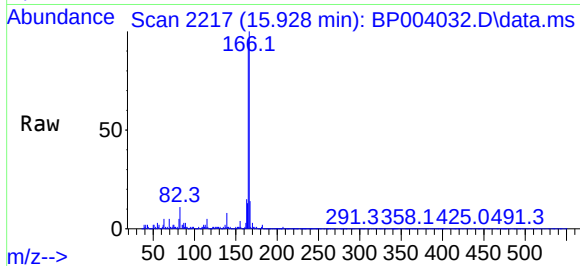




#58
Fluorene
Concen: 3.55 ng
RT: 15.928 min Scan# 2217
Delta R.T. -0.018 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

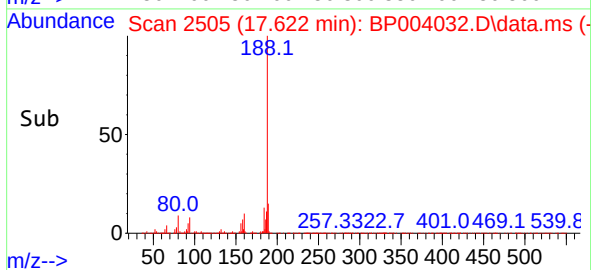
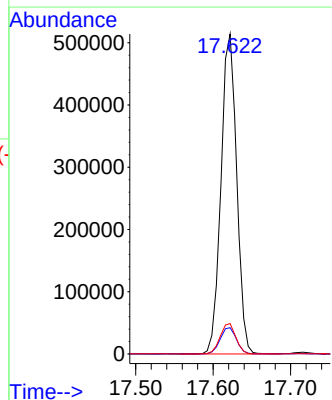
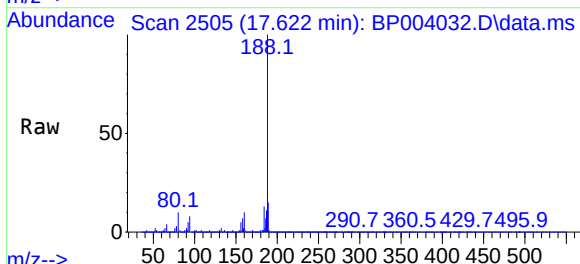
Instrument :
BNA_P
ClientSampleId :
TR-04-111920

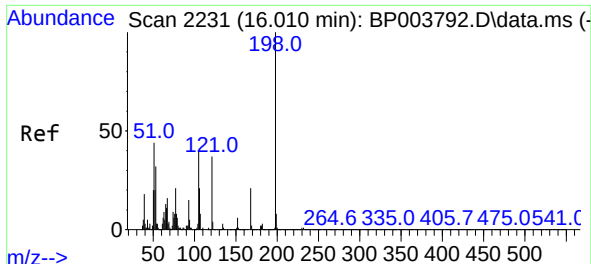
Tgt Ion:	166	Resp:	93975
Ion Ratio	Lower	Upper	
166	100		
165	95.7	77.8	116.8
167	14.3	11.0	16.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.622 min Scan# 2505
Delta R.T. -0.012 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:	188	Resp:	725115
Ion Ratio	Lower	Upper	
188	100		
94	8.2	6.2	9.2
80	9.5	6.2	9.2#

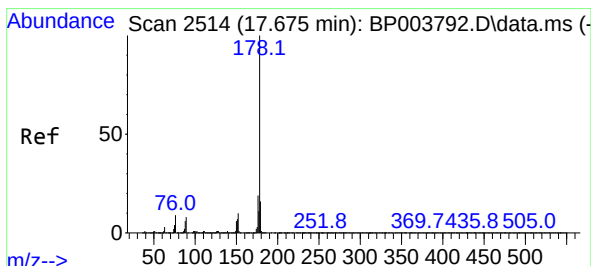
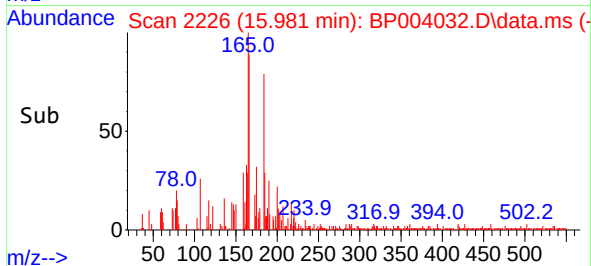
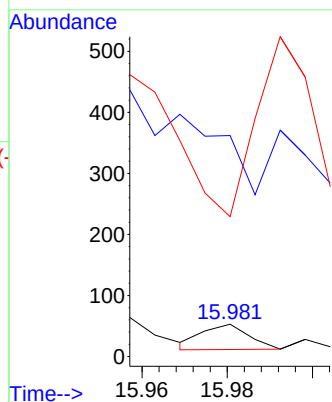
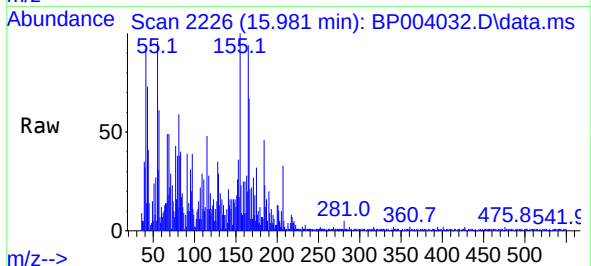




#65
4,6-Dinitro-2-methylphenol
Concen: 6.35 ng
RT: 15.981 min Scan# 2226
Delta R.T. -0.030 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

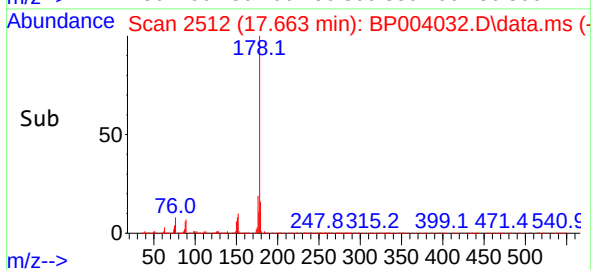
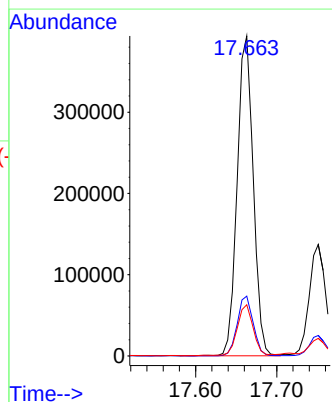
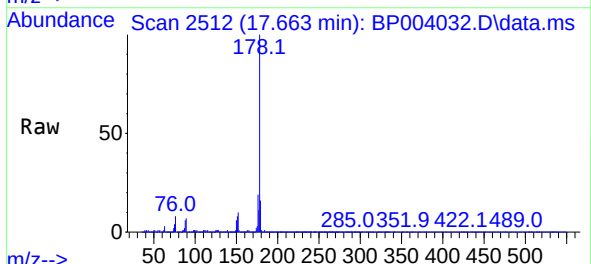
Instrument :
BNA_P
ClientSampleId :
TR-04-111920

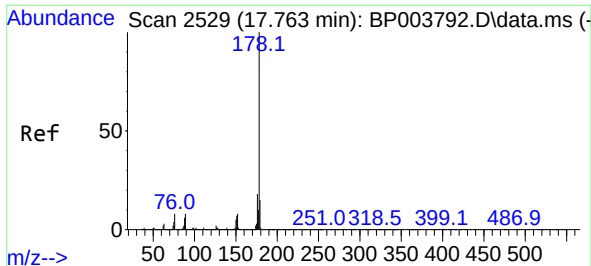
Tgt Ion:198 Resp: 31
Ion Ratio Lower Upper
198 100
51 683.0 6.4 46.4#
105 432.1 18.9 58.9#



#71
Phenanthrene
Concen: 13.25 ng
RT: 17.663 min Scan# 2512
Delta R.T. -0.012 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:178 Resp: 539405
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 16.0 12.5 18.7

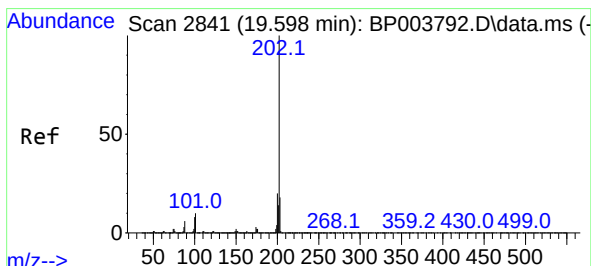
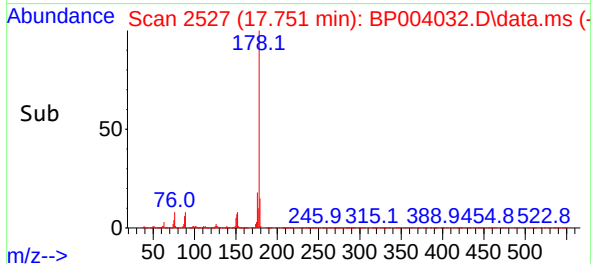
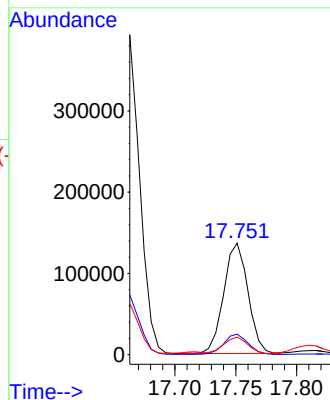
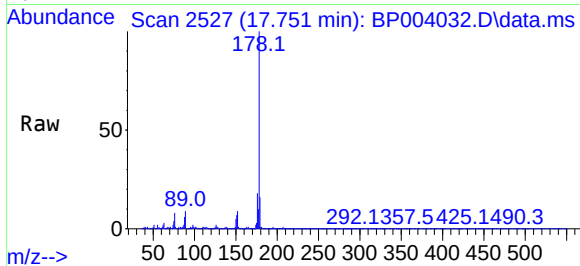




#72
 Anthracene
 Concen: 4.80 ng
 RT: 17.751 min Scan# 2527
 Delta R.T. -0.012 min
 Lab File: BP004032.D
 Acq: 20 Nov 2020 19:42

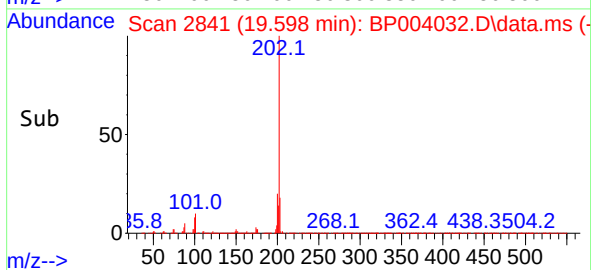
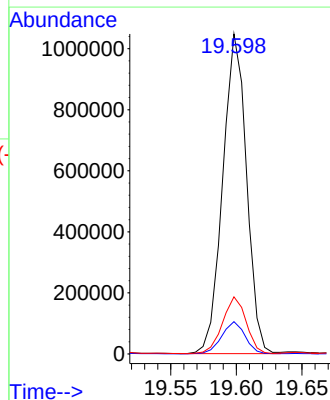
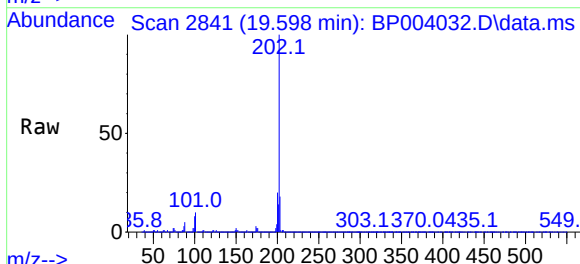
Instrument :
 BNA_P
 ClientSampleId :
 TR-04-111920

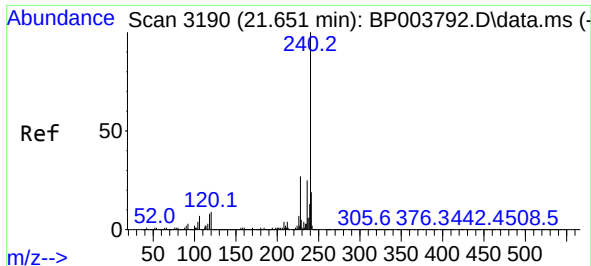
Tgt Ion:178 Resp: 188511
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.4
 179 15.8 12.5 18.7



#75
 Fluoranthene
 Concen: 28.15 ng
 RT: 19.598 min Scan# 2841
 Delta R.T. -0.000 min
 Lab File: BP004032.D
 Acq: 20 Nov 2020 19:42

Tgt Ion:202 Resp: 1321902
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 29.4
 203 17.8 0.0 37.8

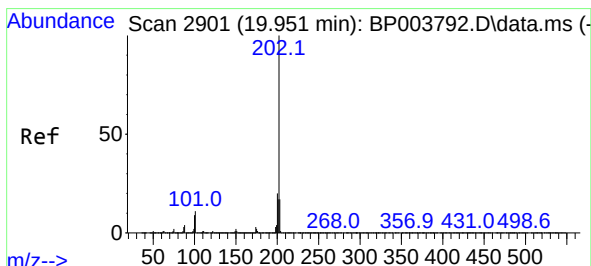
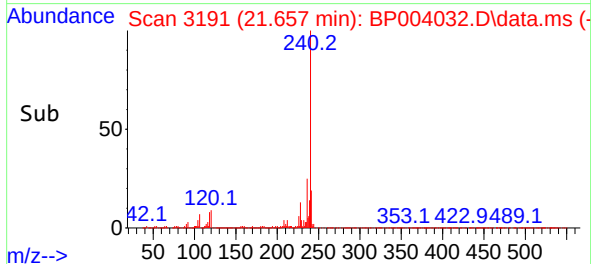
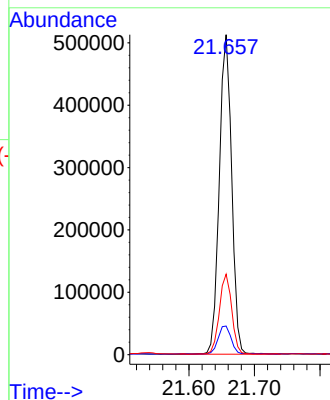
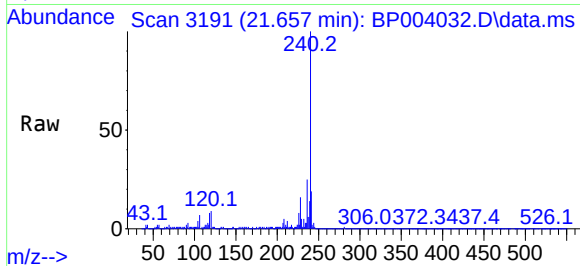




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.657 min Scan# 3191
Delta R.T. 0.006 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

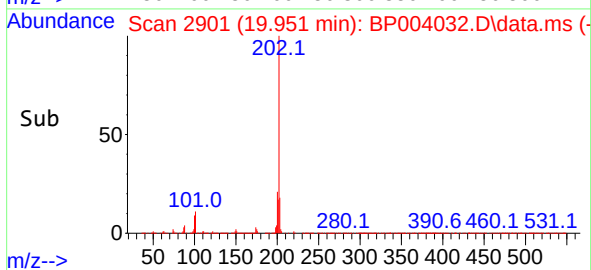
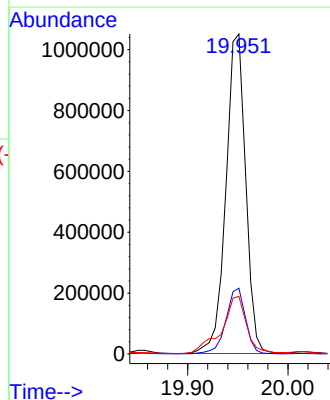
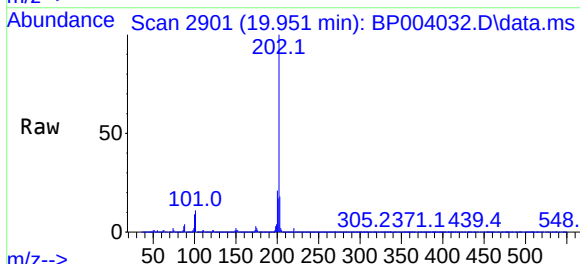
Instrument :
BNA_P
ClientSampleId :
TR-04-111920

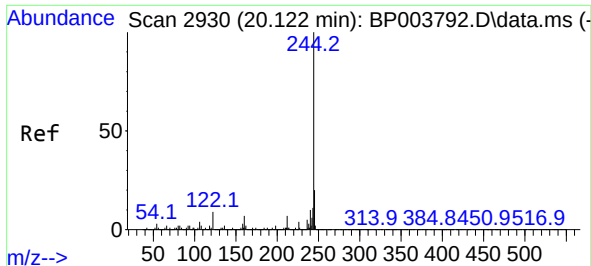
Tgt Ion:240 Resp: 666289
Ion Ratio Lower Upper
240 100
120 8.9 7.8 11.6
236 25.2 20.8 31.2



#78
Pyrene
Concen: 31.71 ng
RT: 19.951 min Scan# 2901
Delta R.T. -0.000 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:202 Resp: 1433613
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 18.0 14.2 21.2

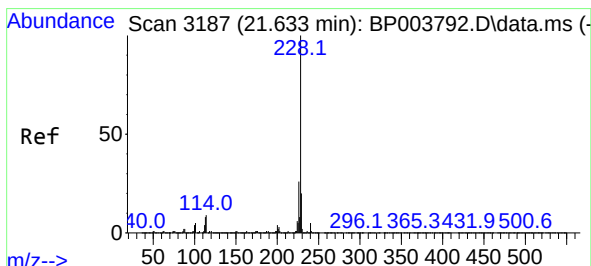
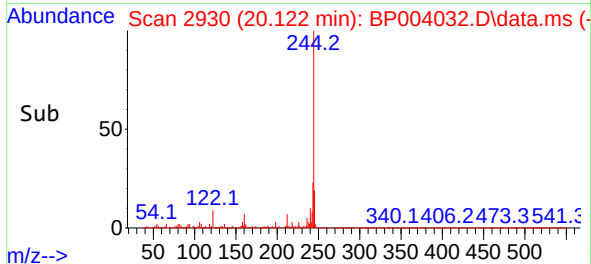
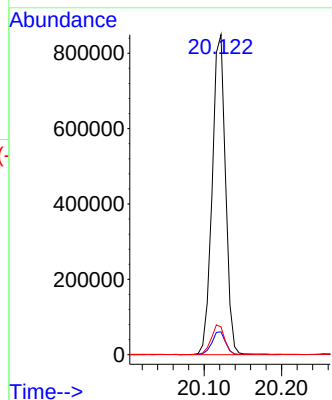
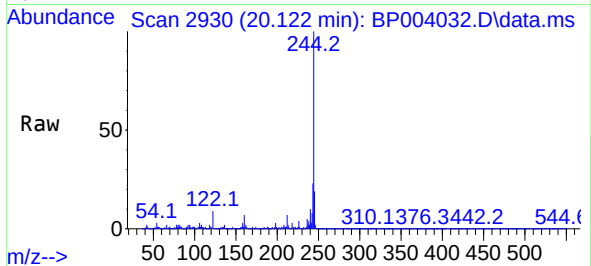




#79
Terphenyl-d14
Concen: 29.44 ng
RT: 20.122 min Scan# 2930
Delta R.T. -0.000 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

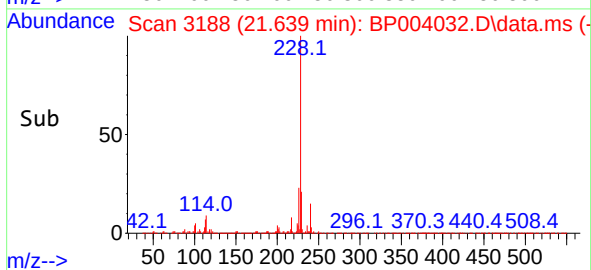
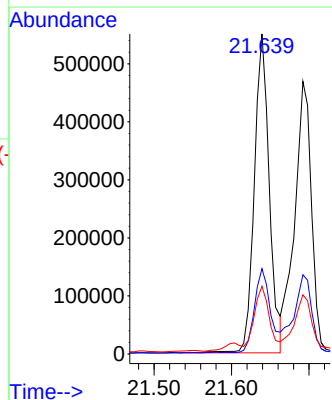
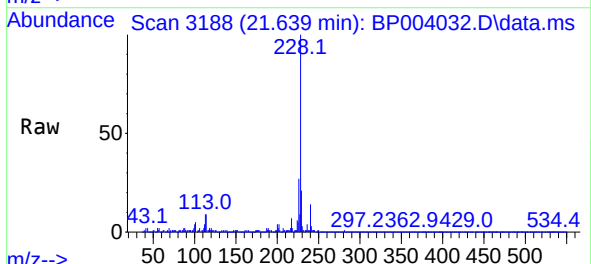
Instrument :
BNA_P
ClientSampleId :
TR-04-111920

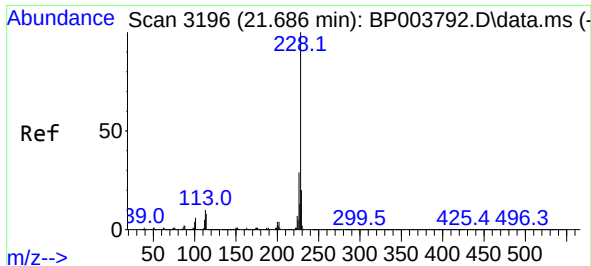
Tgt Ion:244 Resp: 1015412
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 8.7 7.8 11.8



#81
Benzo(a)anthracene
Concen: 16.78 ng
RT: 21.639 min Scan# 3188
Delta R.T. 0.006 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:228 Resp: 737498
Ion Ratio Lower Upper
228 100
226 26.6 22.1 33.1
229 21.2 15.9 23.9

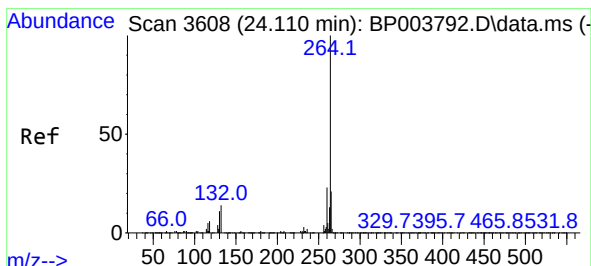
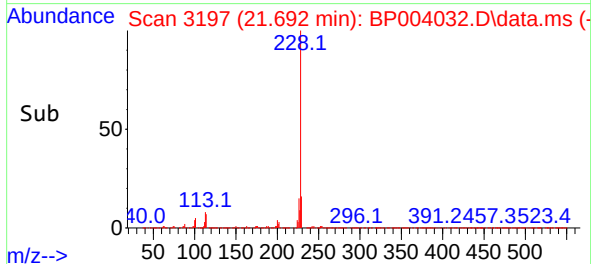
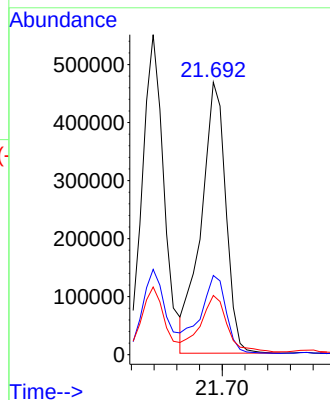
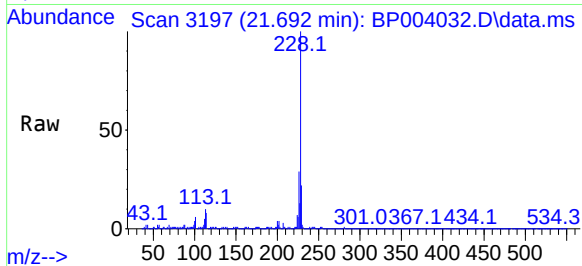




#83
Chrysene
Concen: 16.72 ng
RT: 21.692 min Scan# 3197
Delta R.T. 0.006 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

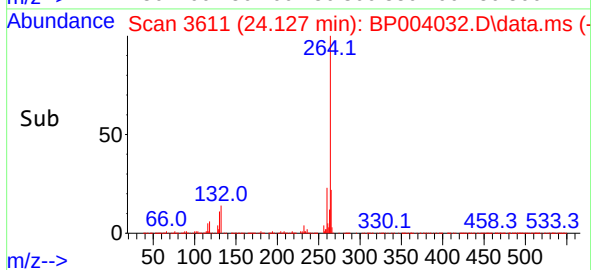
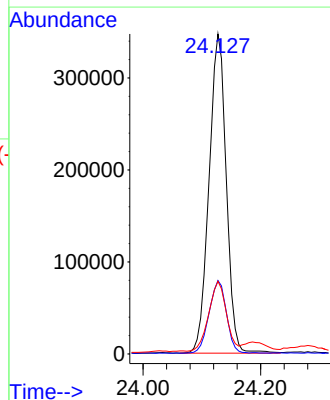
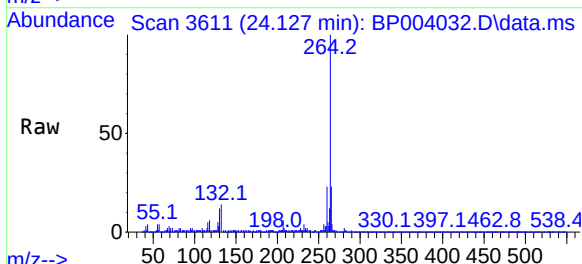
Instrument :
BNA_P
ClientSampleId :
TR-04-111920

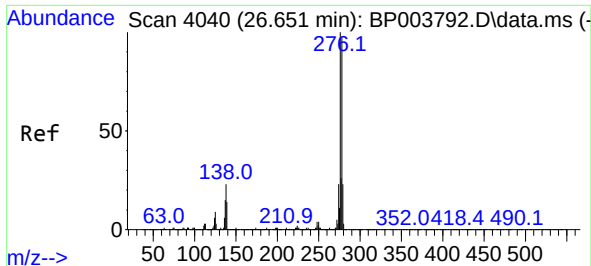
Tgt Ion:	228	Resp:	705956
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.4	36.6
229	21.7	15.8	23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.127 min Scan# 3611
Delta R.T. 0.018 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:	264	Resp:	705667
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.8	28.2
265	22.7	17.4	26.2

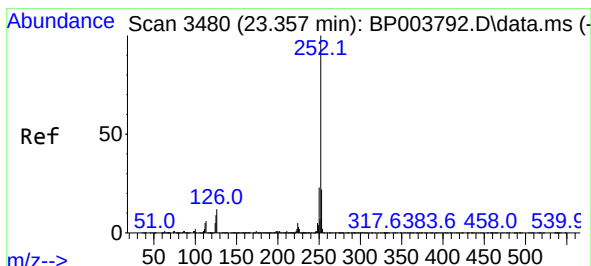
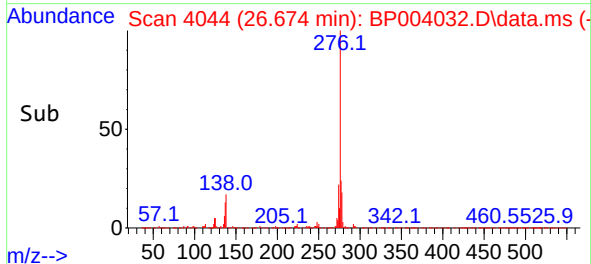
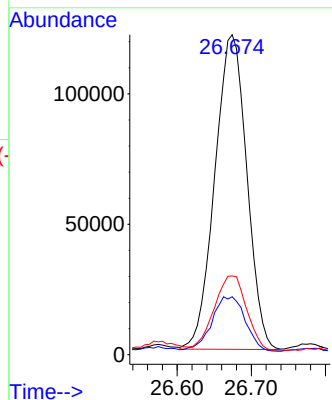
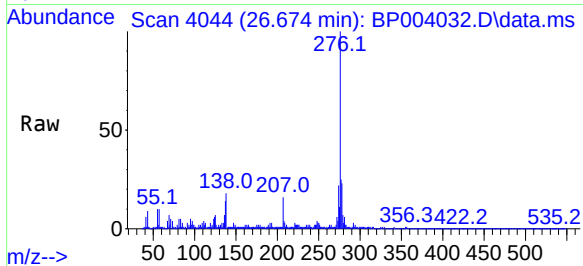




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.09 ng
 RT: 26.674 min Scan# 4044
 Delta R.T. 0.023 min
 Lab File: BP004032.D
 Acq: 20 Nov 2020 19:42

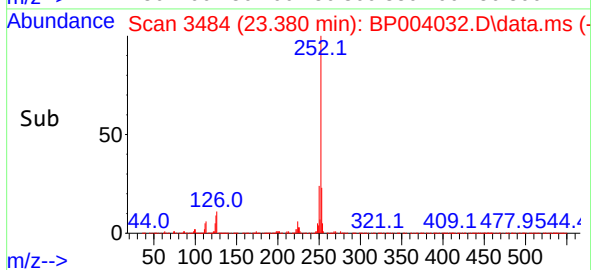
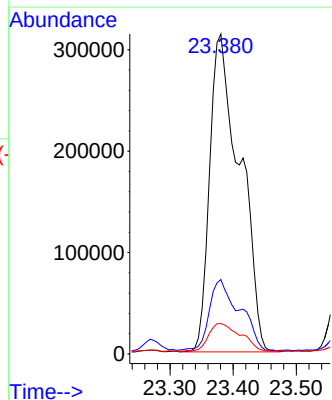
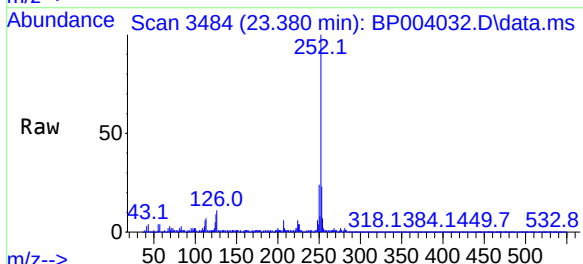
Instrument :
 BNA_P
 ClientSampleId :
 TR-04-111920

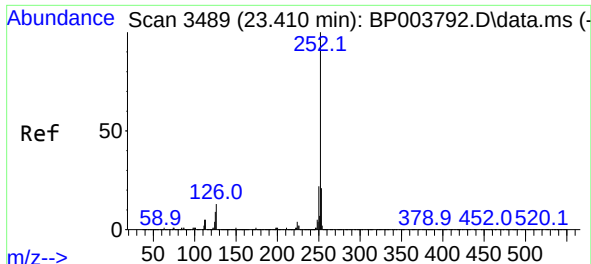
Tgt Ion: 276 Resp: 361168
 Ion Ratio Lower Upper
 276 100
 138 18.3 18.7 28.1#
 277 24.8 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 22.61 ng
 RT: 23.380 min Scan# 3484
 Delta R.T. 0.023 min
 Lab File: BP004032.D
 Acq: 20 Nov 2020 19:42

Tgt Ion: 252 Resp: 1044186
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.6 26.4
 125 9.5 7.3 10.9

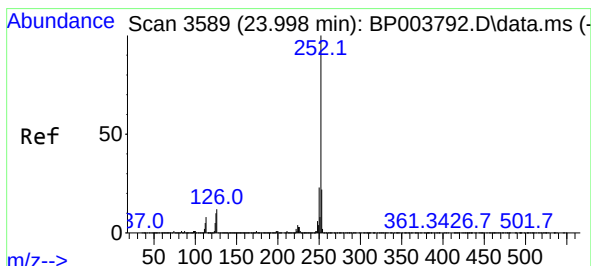
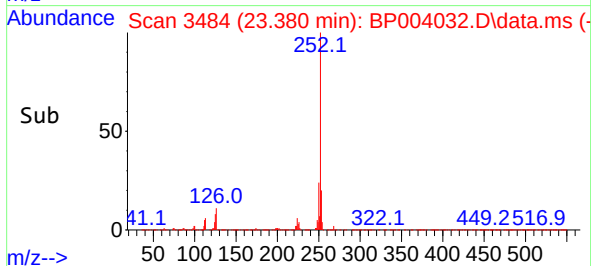
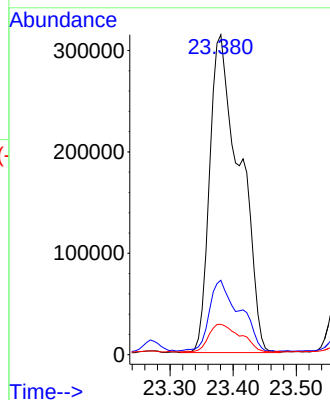
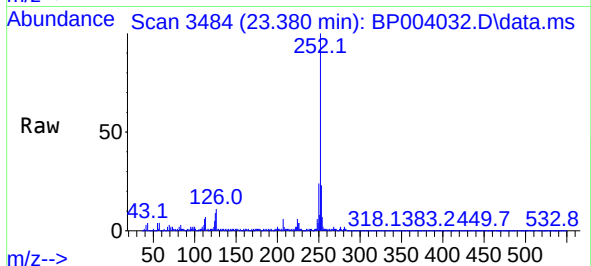




#89
Benzo(k)fluoranthene
Concen: 22.90 ng
RT: 23.380 min Scan# 3484
Delta R.T. -0.029 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

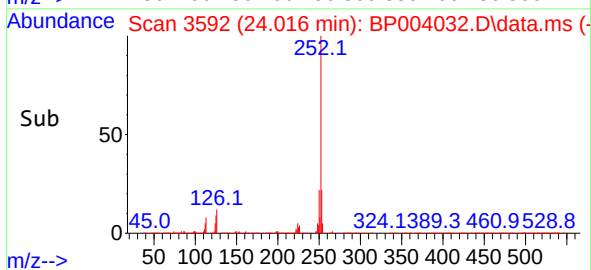
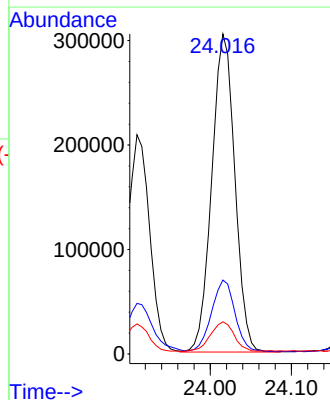
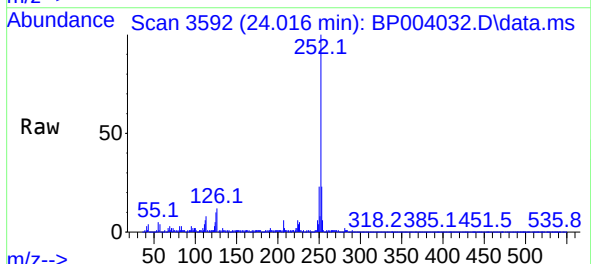
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BNA_P
ClientSampleId :
TR-04-111920

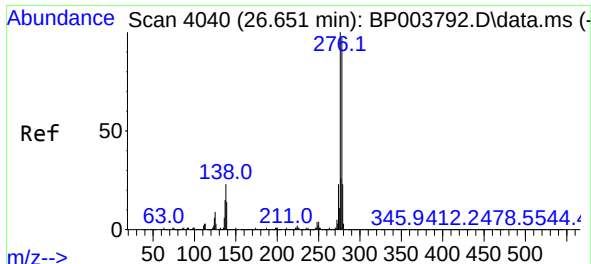
Tgt Ion:252 Resp: 1044186
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 9.5 7.4 11.2



#90
Benzo(a)pyrene
Concen: 14.07 ng
RT: 24.016 min Scan# 3592
Delta R.T. 0.018 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:252 Resp: 601656
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 10.1 8.2 12.4

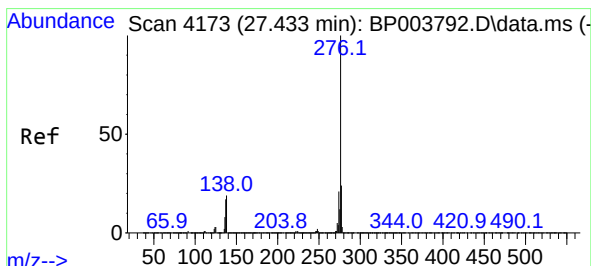
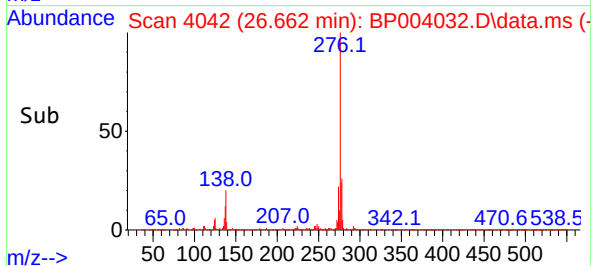
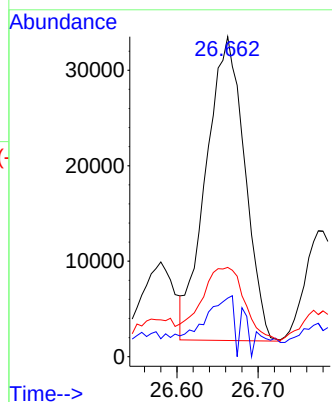
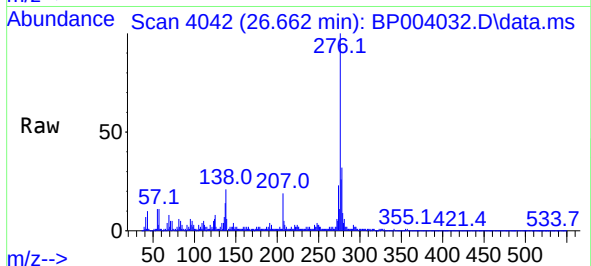




#91
Dibenzo(a,h)anthracene
Concen: 2.48 ng
RT: 26.662 min Scan# 4042
Delta R.T. 0.012 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Instrument :
BNA_P
ClientSampleId :
TR-04-111920

Tgt Ion:278 Resp: 105327
Ion Ratio Lower Upper
278 100
139 18.3 12.4 18.6
279 27.9 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 8.98 ng
RT: 27.462 min Scan# 4178
Delta R.T. 0.029 min
Lab File: BP004032.D
Acq: 20 Nov 2020 19:42

Tgt Ion:276 Resp: 368835
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 19.8 16.6 24.8

