

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
 Data File : BP008100.D
 Acq On : 23 Nov 2021 17:21
 Operator : CG/JU
 Sample : M4811-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 20071

Quant Time: Nov 24 00:07:01 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 20 00:21:11 2021
 Response via : Initial Calibration

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

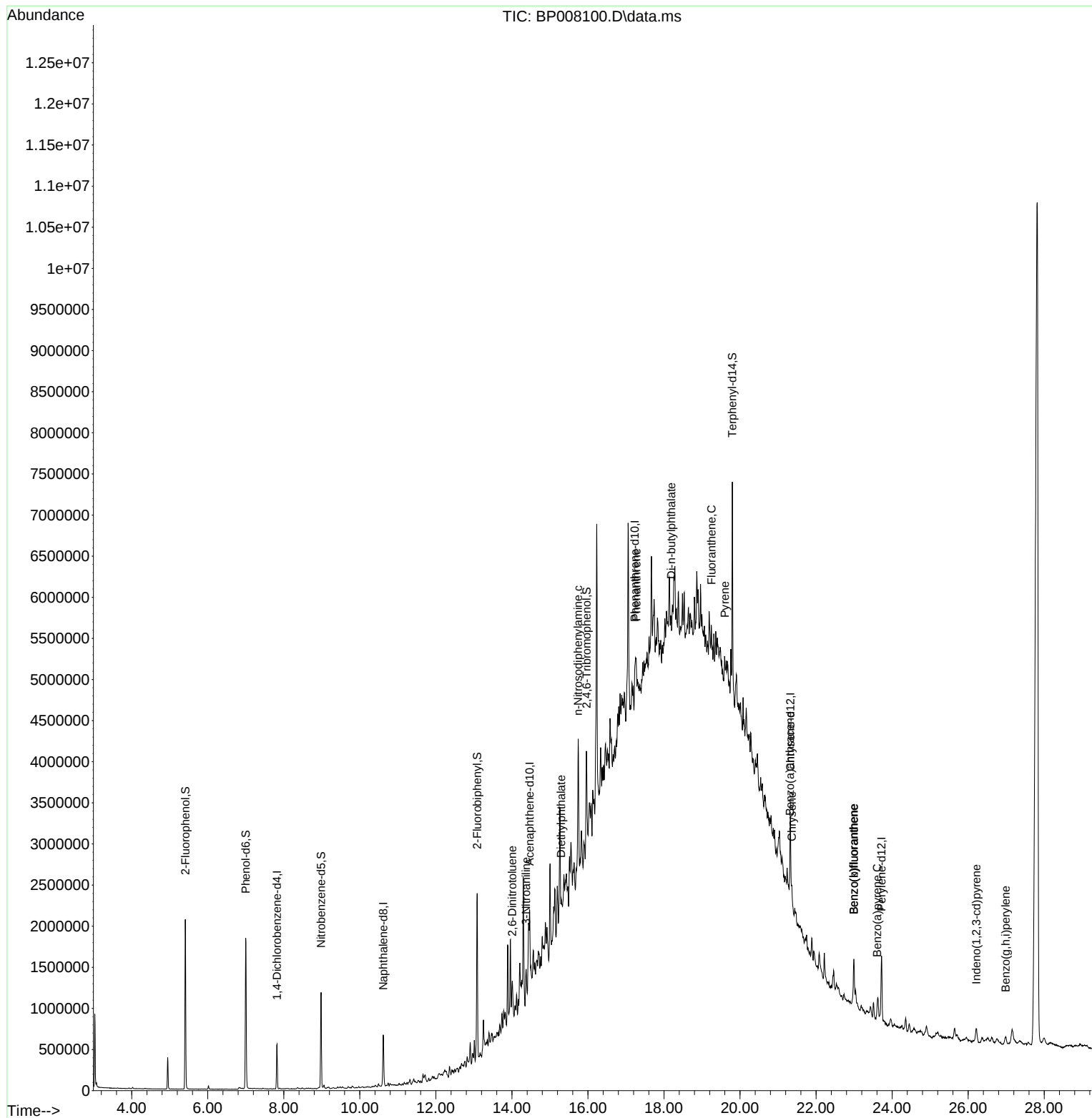
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	144743	20.000	ng	0.00
21) Naphthalene-d8	10.616	136	482406	20.000	ng	-0.01
39) Acenaphthene-d10	14.463	164	223184	20.000	ng	0.00
64) Phenanthrene-d10	17.233	188	359779	20.000	ng	# 0.00
76) Chrysene-d12	21.327	240	519550	20.000	ng	0.00
86) Perylene-d12	23.721	264	623621	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	810654	95.729	ng	0.00
7) Phenol-d6	6.999	99	1021791	87.047	ng	-0.01
23) Nitrobenzene-d5	8.981	82	680299	63.975	ng	-0.01
42) 2,4,6-Tribromophenol	15.963	330	215717	76.375	ng	0.00
45) 2-Fluorobiphenyl	13.087	172	1070092	75.077	ng	0.00
79) Terphenyl-d14	19.798	244	1328068	50.256	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.940	77	270	Below Cal	#	24
51) 2,6-Dinitrotoluene	14.010	165	18690	5.279 ng	#	31
53) 3-Nitroaniline	14.375	138	14811	4.003 ng	#	16
58) Fluorene	15.516	166	9909	Below Cal	#	1
60) Diethylphthalate	15.292	149	107493	6.200 ng	#	75
61) 4-Chlorophenyl-phenyle...	15.481	204	653	Below Cal	#	1
66) n-Nitrosodiphenylamine	15.739	169	62847	6.156 ng	#	48
71) Phenanthrene	17.275	178	100126	5.165 ng	#	57
74) Di-n-butylphthalate	18.192	149	65528	3.085 ng	#	46
75) Fluoranthene	19.251	202	111155	4.449 ng		78
78) Pyrene	19.604	202	120789	3.424 ng	#	83
81) Benzo(a)anthracene	21.310	228	107638	3.089 ng	#	77
82) 3,3'-Dichlorobenzidine	21.239	252	723	Below Cal	#	23
83) Chrysene	21.363	228	157839	4.774 ng	#	89
87) Indeno(1,2,3-cd)pyrene	26.215	276	138807	3.208 ng		98
88) Benzo(b)fluoranthene	22.992	252	371485	9.527 ng	#	89
89) Benzo(k)fluoranthene	22.992	252	371485	9.576 ng	#	89
90) Benzo(a)pyrene	23.610	252	123090	3.767 ng	#	88
92) Benzo(g,h,i)perylene	26.986	276	133941	3.796 ng		98

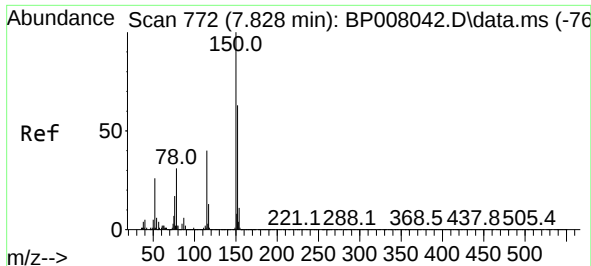
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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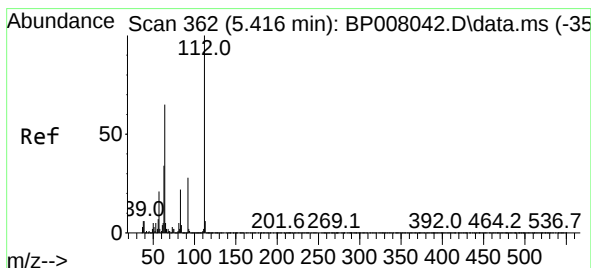
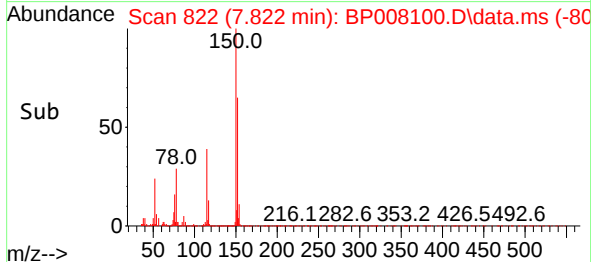
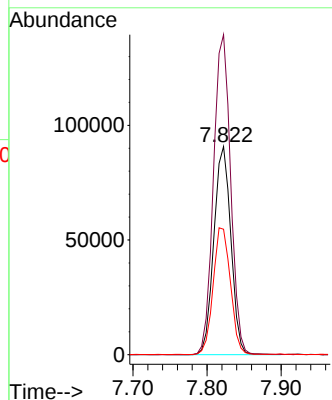
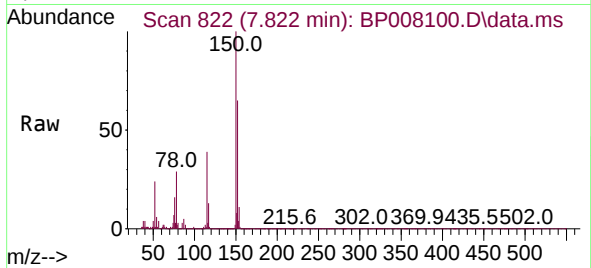




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

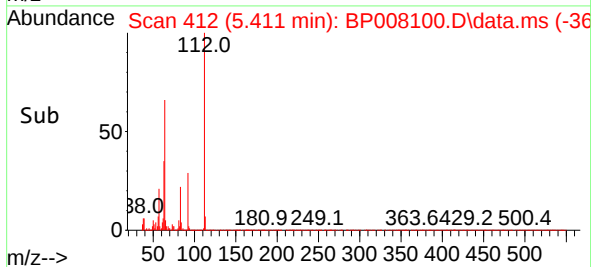
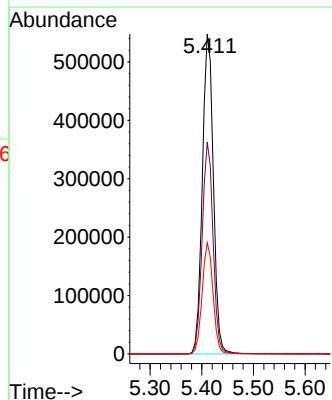
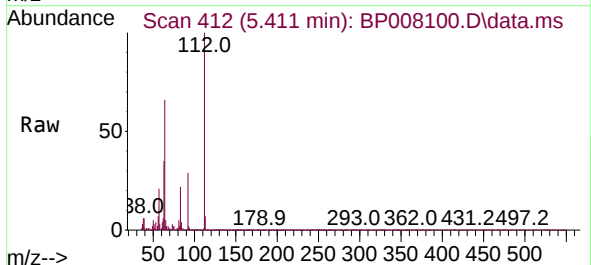
Instrument :
BNA_P
ClientSampleId :
20071

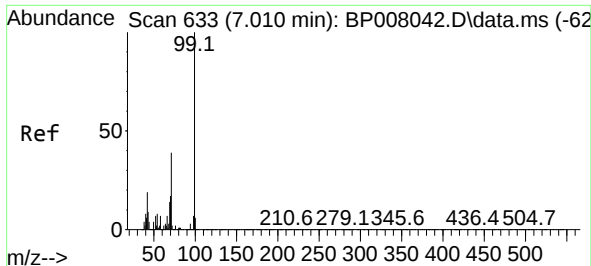
Tgt Ion:152 Resp: 144743
Ion Ratio Lower Upper
152 100
150 153.8 126.5 189.7
115 60.2 50.6 75.8



#5
2-Fluorophenol
Concen: 95.729 ng
RT: 5.411 min Scan# 412
Delta R.T. -0.005 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion:112 Resp: 810654
Ion Ratio Lower Upper
112 100
64 66.2 51.7 77.5
63 34.8 27.4 41.0

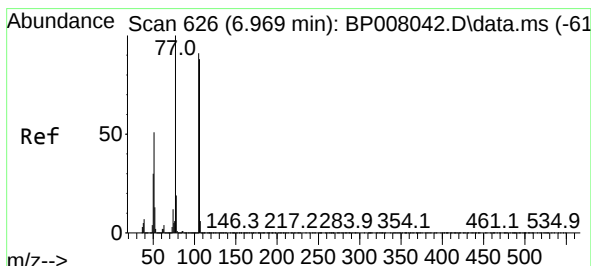
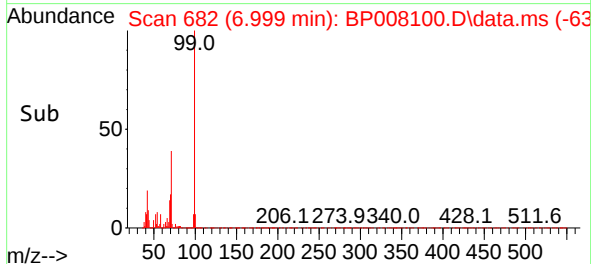
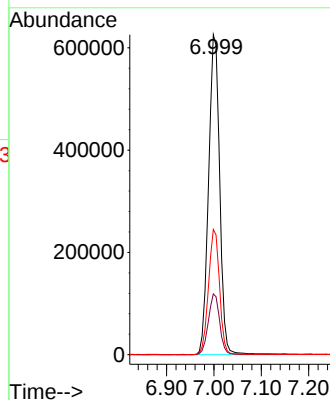
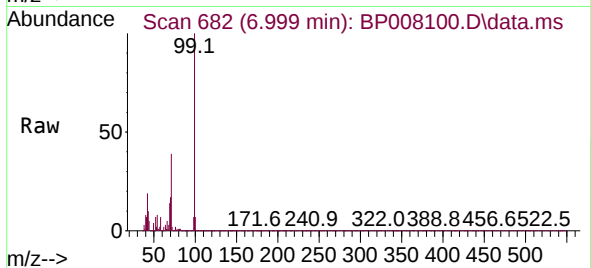




#7
Phenol-d6
Concen: 87.047 ng
RT: 6.999 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

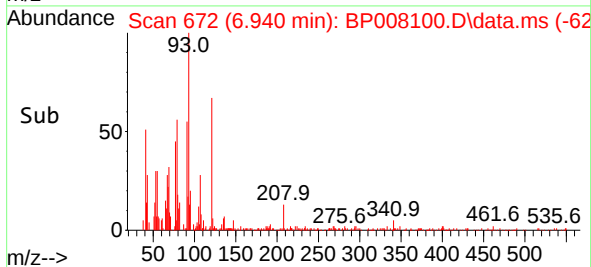
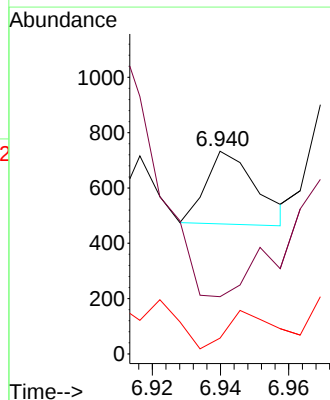
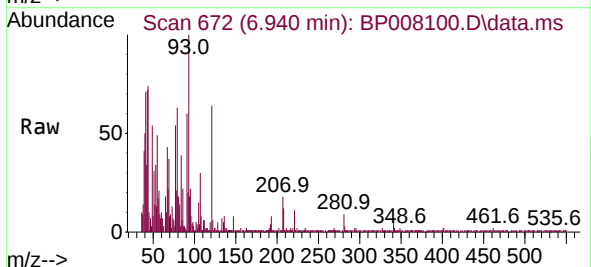
Instrument :
BNA_P
ClientSampleId :
20071

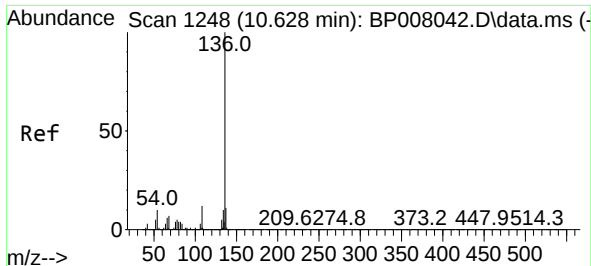
Tgt Ion: 99 Resp: 1021791
Ion Ratio Lower Upper
99 100
42 19.0 15.4 23.2
71 39.1 31.0 46.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.940 min Scan# 672
Delta R.T. -0.029 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion: 77 Resp: 270
Ion Ratio Lower Upper
77 100
105 28.2 71.5 111.5#
106 7.8 67.9 107.9#

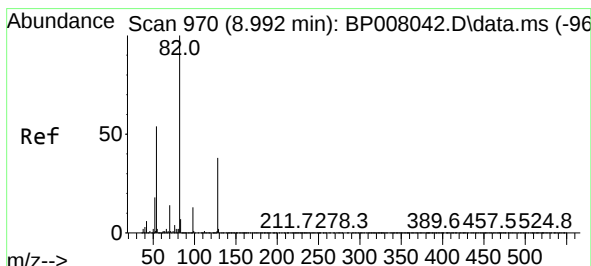
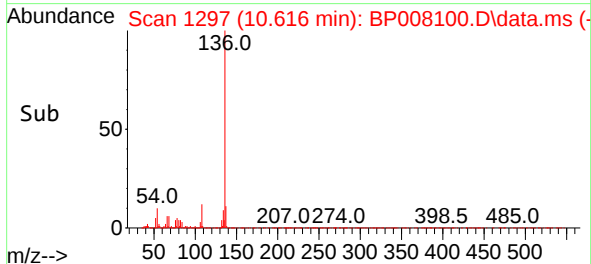
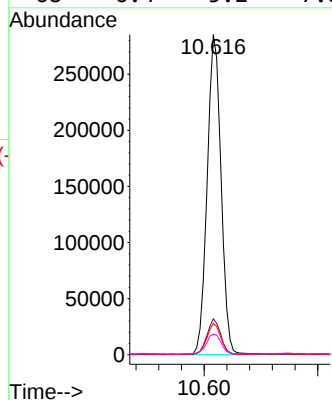
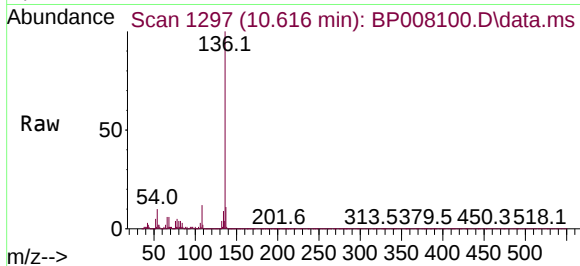




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.616 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

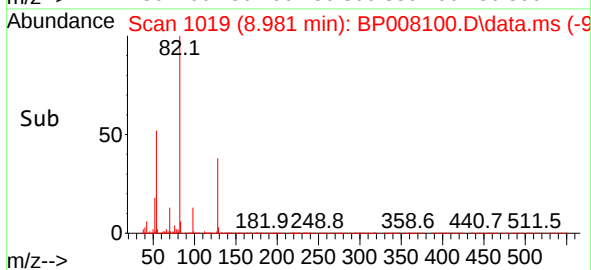
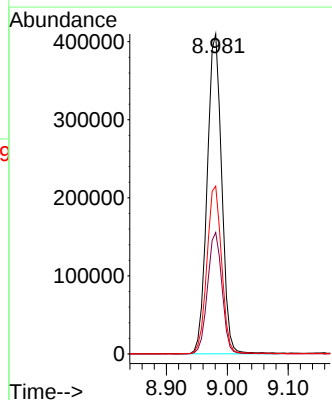
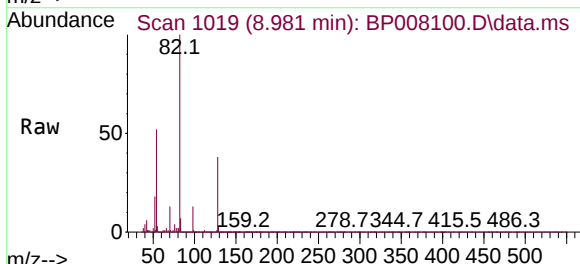
Instrument :
BNA_P
ClientSampleId :
20071

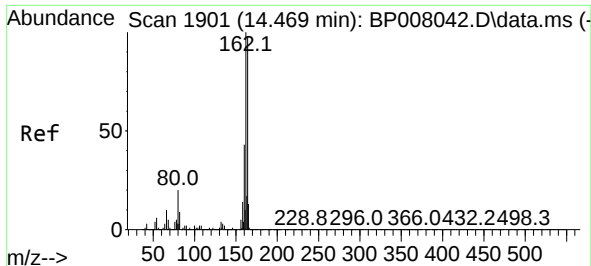
Tgt Ion: 136 Resp: 482406
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 9.7 8.0 12.0
68 6.4 5.2 7.8



#23
Nitrobenzene-d5
Concen: 63.975 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.011 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion: 82 Resp: 680299
Ion Ratio Lower Upper
82 100
128 38.0 30.2 45.2
54 52.4 43.1 64.7

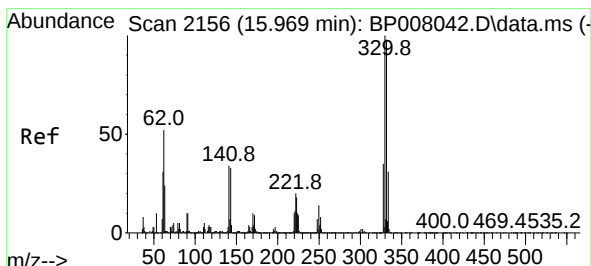
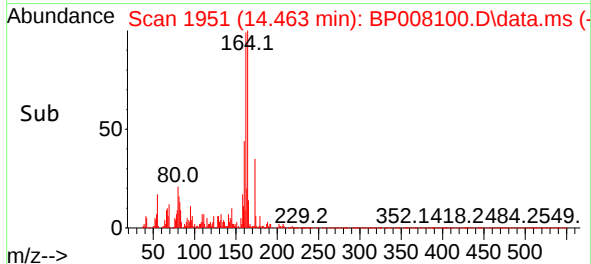
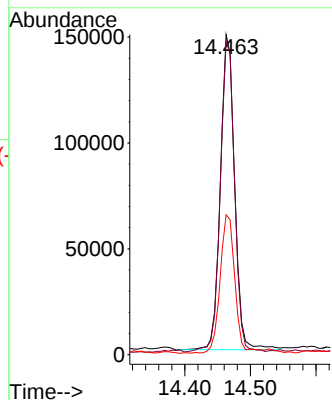
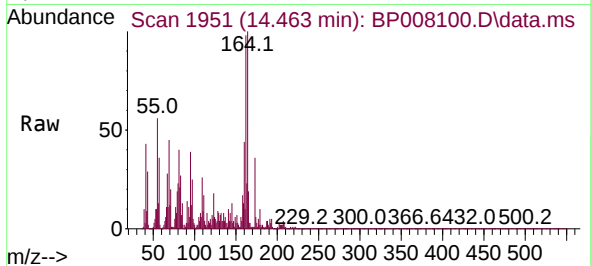




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

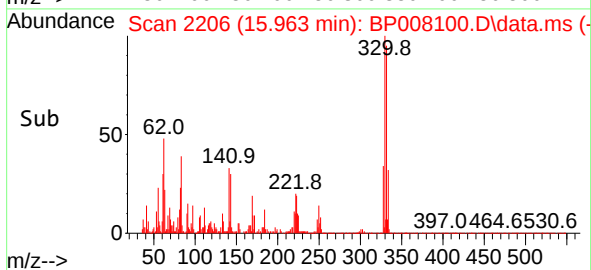
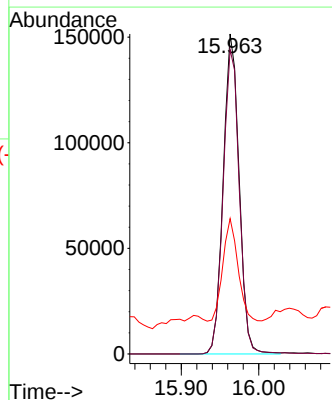
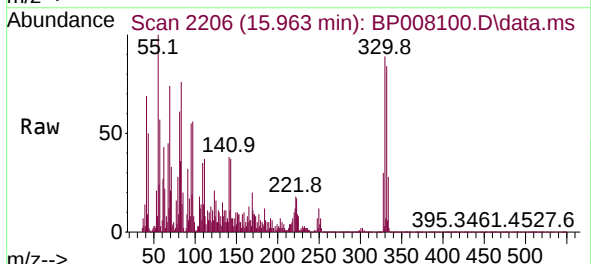
Instrument :
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ClientSampleId :
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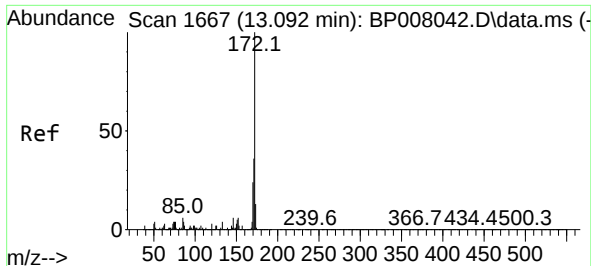
Tgt Ion:164 Resp: 223184
Ion Ratio Lower Upper
164 100
162 97.8 81.8 122.8
160 43.7 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 76.375 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion:330 Resp: 215717
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 30.7 29.6 44.4

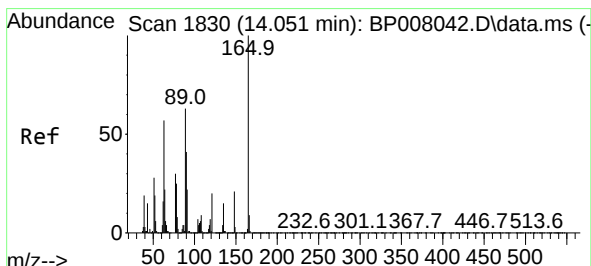
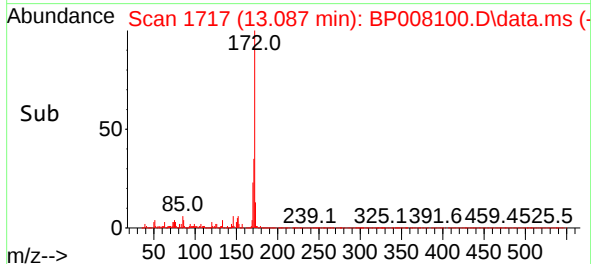
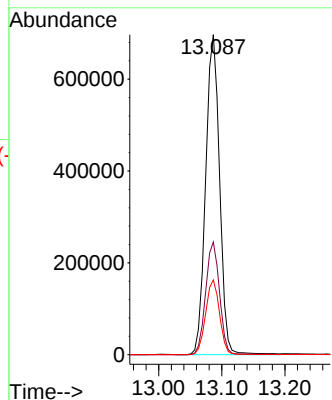
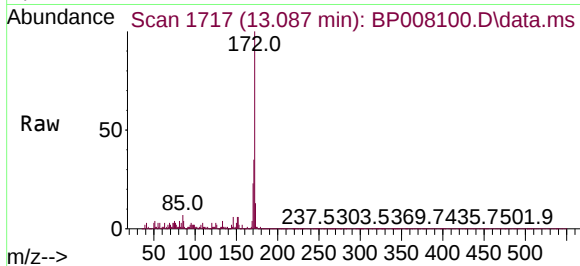




#45
2-Fluorobiphenyl
Concen: 75.077 ng
RT: 13.087 min Scan# 11
Delta R.T. -0.005 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

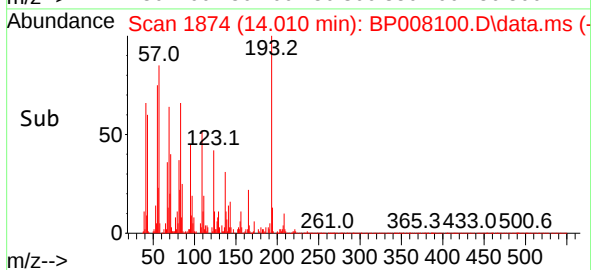
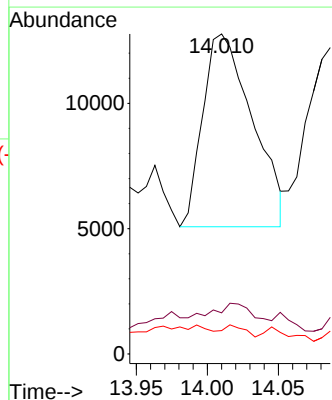
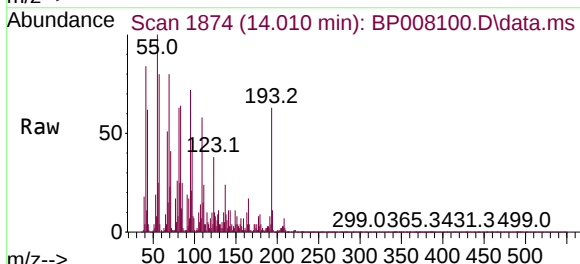
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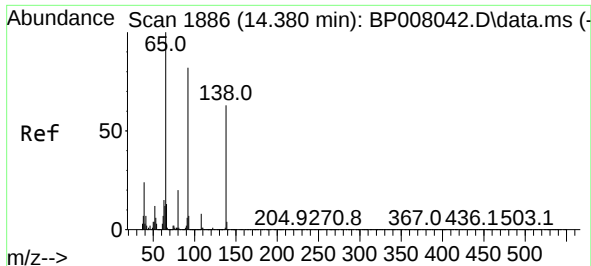
Tgt Ion:172 Resp: 1070092
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.3 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 5.279 ng
RT: 14.010 min Scan# 1874
Delta R.T. -0.041 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion:165 Resp: 18690
Ion Ratio Lower Upper
165 100
63 12.8 51.0 76.6#
89 7.3 50.5 75.7#

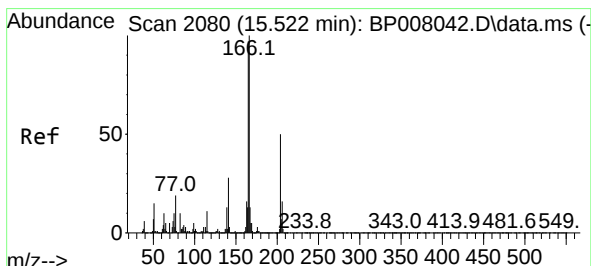
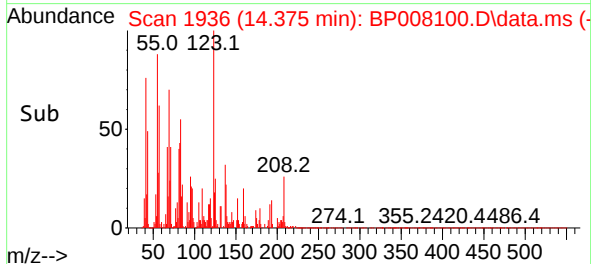
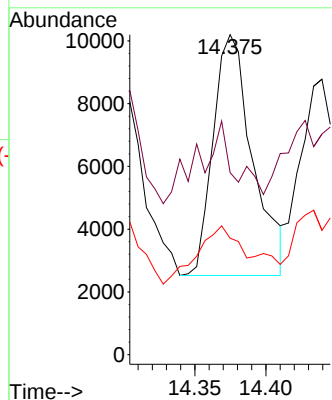
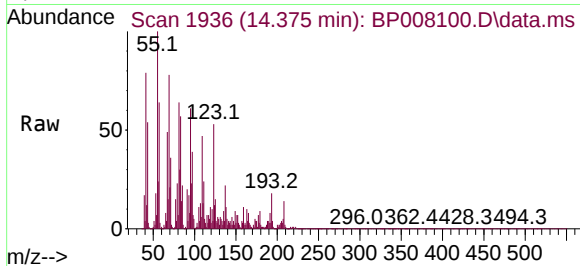




#53
3-Nitroaniline
Concen: 4.003 ng
RT: 14.375 min Scan# 14811
Delta R.T. -0.006 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

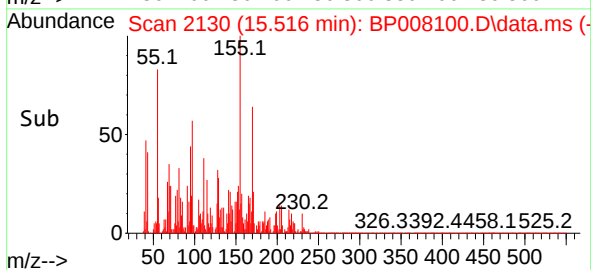
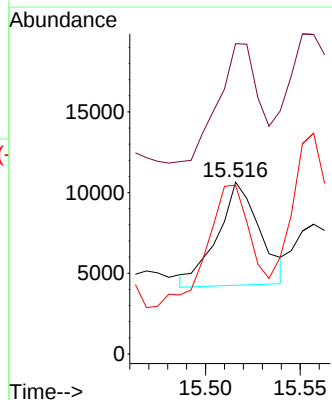
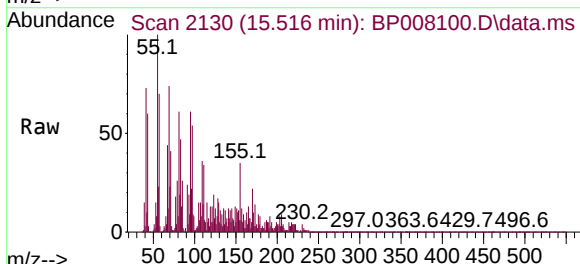
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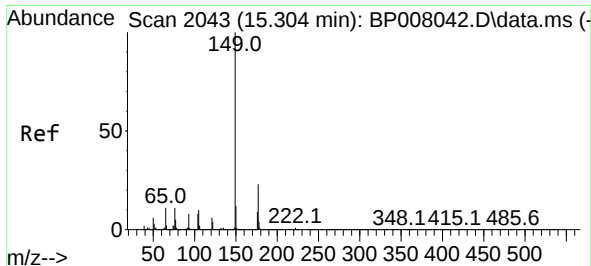
Tgt Ion:138 Resp: 14811
Ion Ratio Lower Upper
138 100
108 56.9 9.6 14.4#
92 36.4 104.8 157.2#



#58
Fluorene
Concen: Below Cal
RT: 15.516 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion:166 Resp: 9909
Ion Ratio Lower Upper
166 100
165 180.6 77.4 116.0#
167 98.3 10.7 16.1#

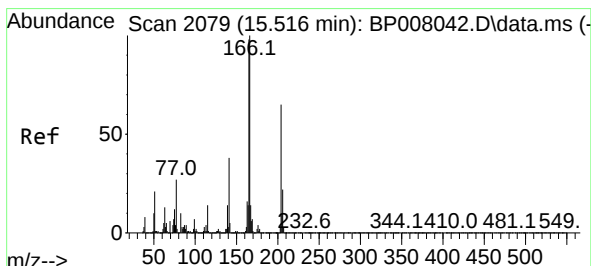
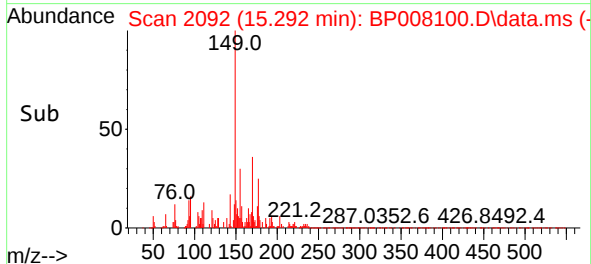
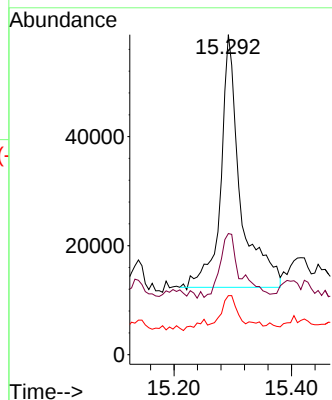
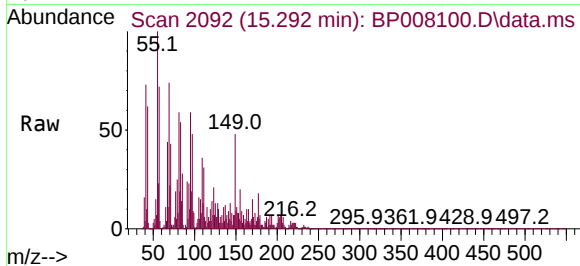




#60
Diethylphthalate
Concen: 6.200 ng
RT: 15.292 min Scan# 2043
Delta R.T. -0.012 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

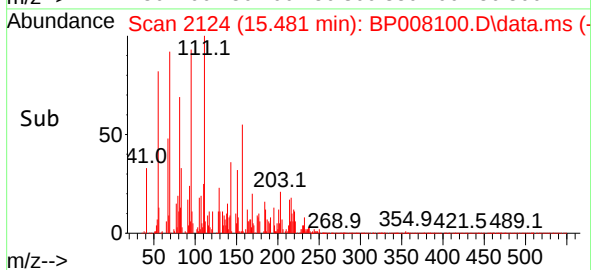
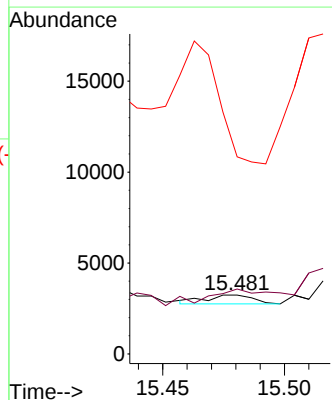
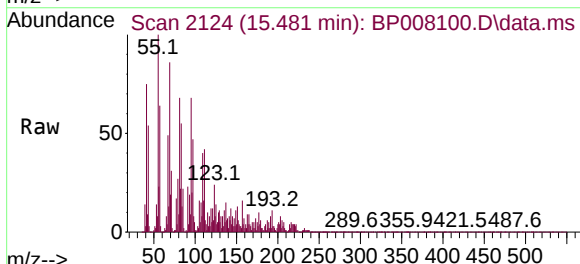
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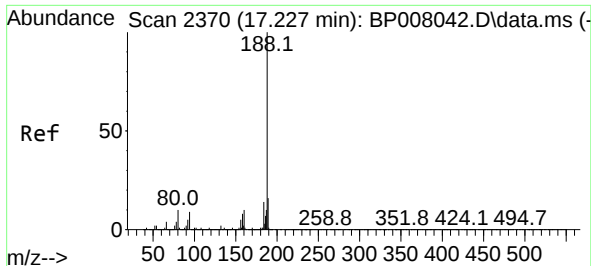
Tgt Ion:149 Resp: 107493
Ion Ratio Lower Upper
149 100
177 37.8 18.3 27.5#
150 18.4 10.0 15.0#



#61
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 15.481 min Scan# 2124
Delta R.T. -0.035 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion:204 Resp: 653
Ion Ratio Lower Upper
204 100
206 110.2 27.3 40.9#
141 334.4 46.7 70.1#

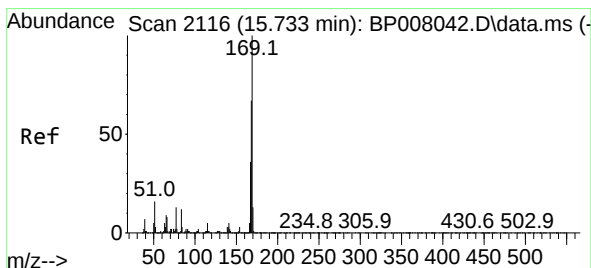
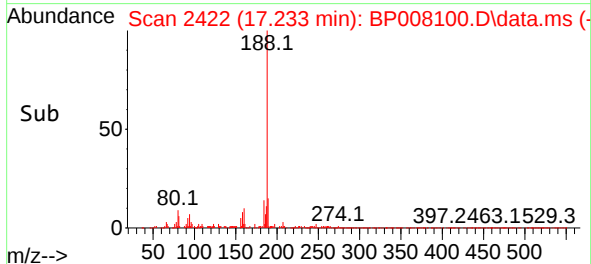
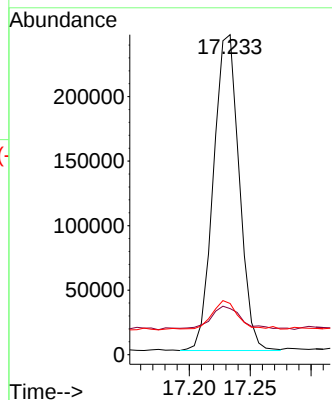
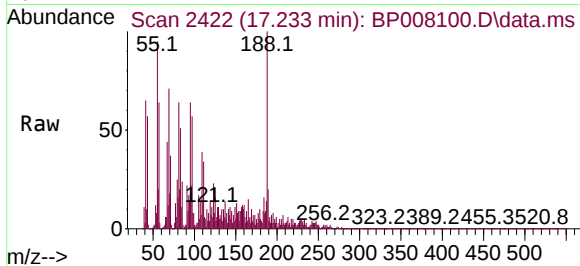




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.233 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

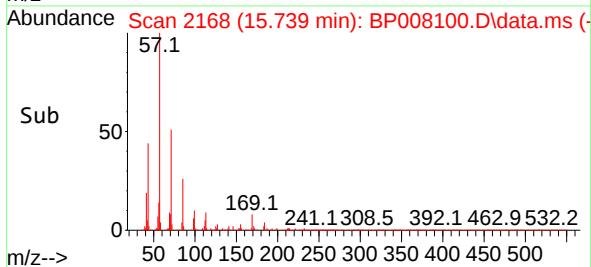
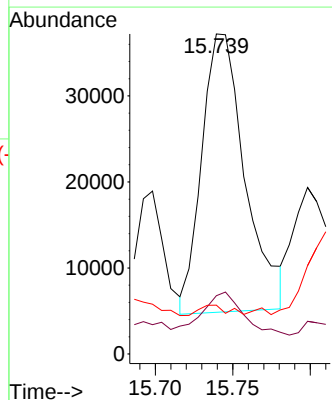
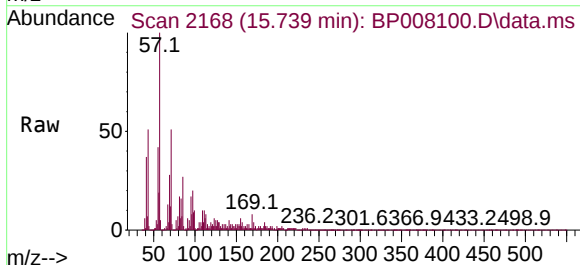
Instrument :
BNA_P
ClientSampleId :
20071

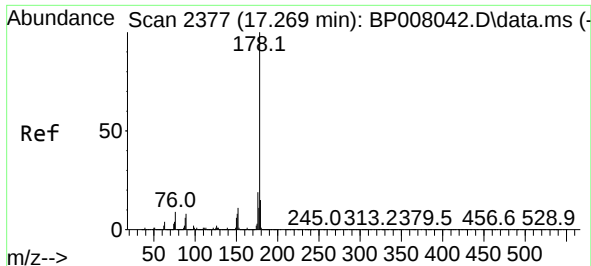
Tgt Ion:188 Resp: 359779
Ion Ratio Lower Upper
188 100
94 14.4 7.1 10.7#
80 16.0 8.1 12.1#



#66
n-Nitrosodiphenylamine
Concen: 6.156 ng
RT: 15.739 min Scan# 2168
Delta R.T. 0.006 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion:169 Resp: 62847
Ion Ratio Lower Upper
169 100
168 18.2 53.6 80.4#
167 15.3 29.0 43.4#

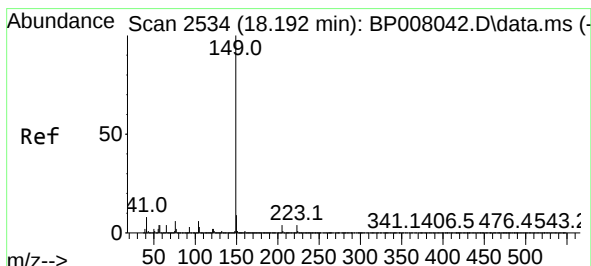
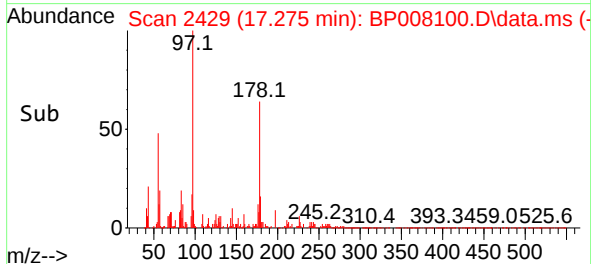
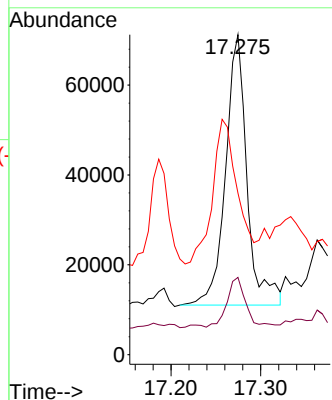
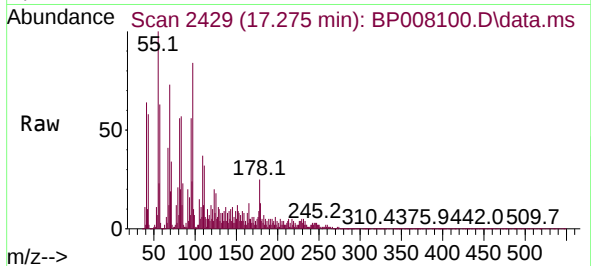




#71
Phenanthrene
Concen: 5.165 ng
RT: 17.275 min Scan# 2429
Delta R.T. 0.006 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

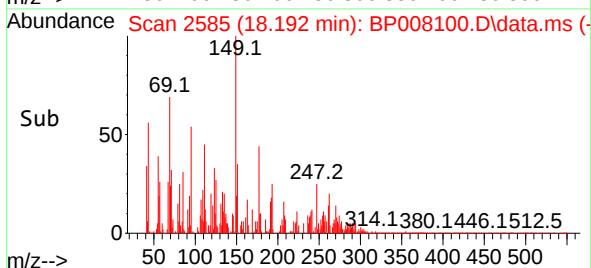
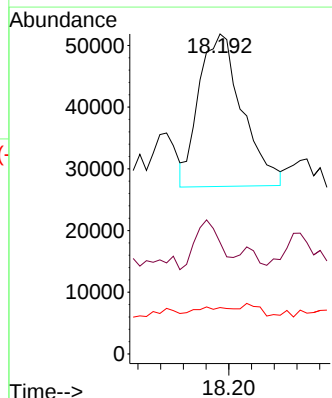
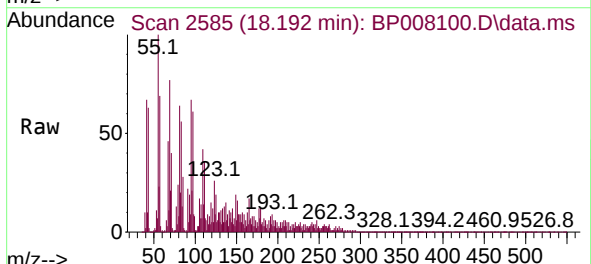
Instrument :
BNA_P
ClientSampleId :
20071

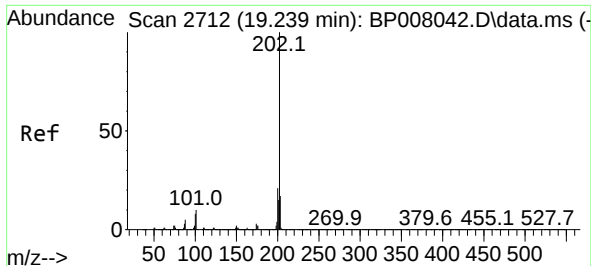
Tgt Ion:178 Resp: 100126
Ion Ratio Lower Upper
178 100
176 24.2 15.6 23.4#
179 50.5 12.4 18.6#



#74
Di-n-butylphthalate
Concen: 3.085 ng
RT: 18.192 min Scan# 2585
Delta R.T. 0.000 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion:149 Resp: 65528
Ion Ratio Lower Upper
149 100
150 34.8 7.4 11.2#
104 14.5 4.5 6.7#

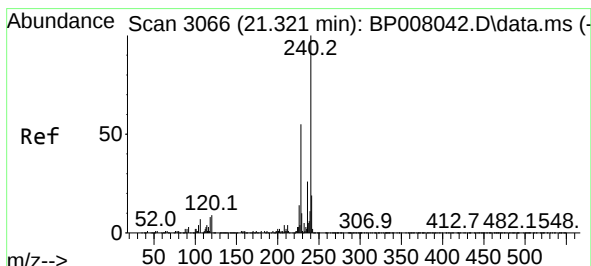
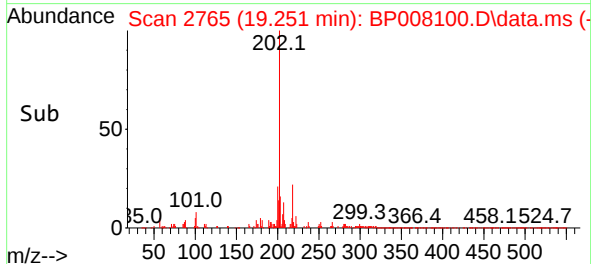
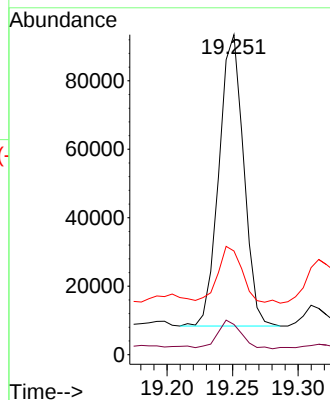
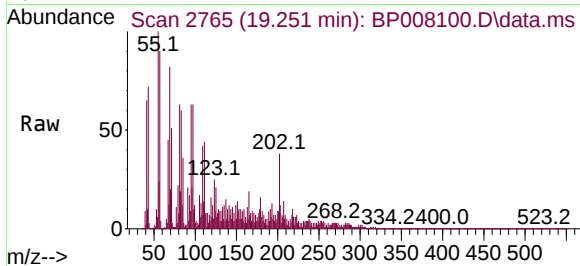




#75
Fluoranthene
Concen: 4.449 ng
RT: 19.251 min Scan# 2111
Delta R.T. 0.012 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

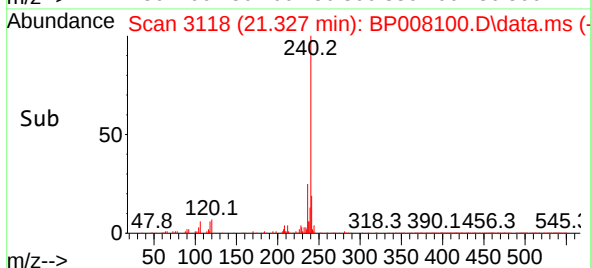
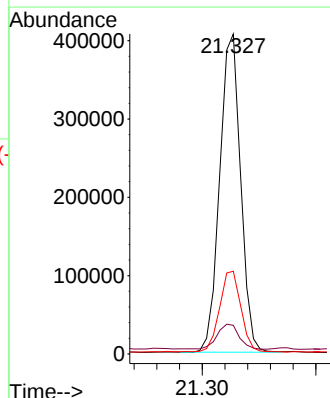
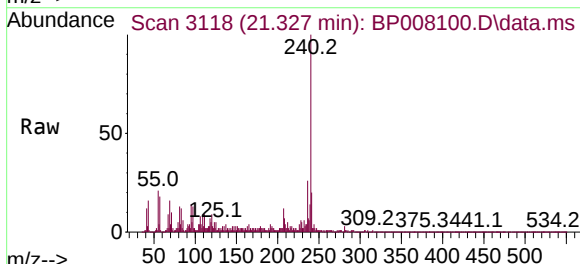
Instrument :
BNA_P
ClientSampleId :
20071

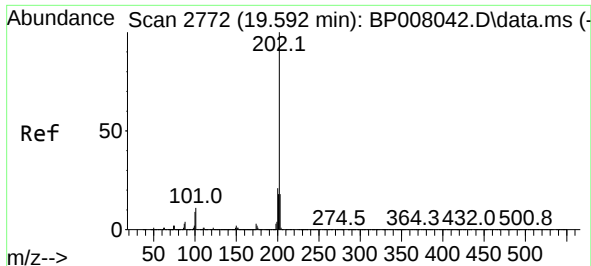
Tgt Ion:	202	Resp:	111155
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	29.5
203	32.4	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion:	240	Resp:	519550
Ion Ratio	Lower	Upper	
240	100		
120	9.0	7.4	11.2
236	25.8	21.0	31.4

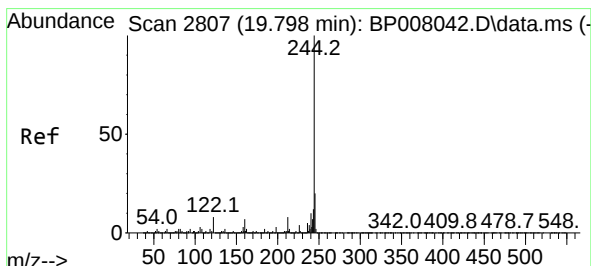
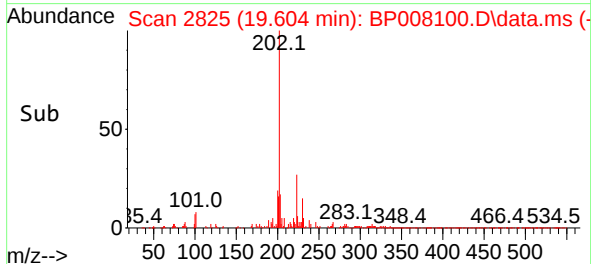
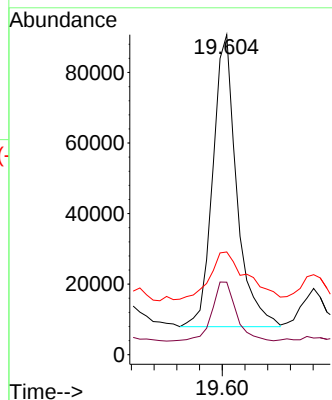
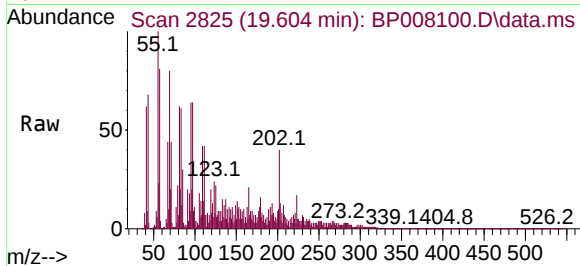




#78
Pyrene
Concen: 3.424 ng
RT: 19.604 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

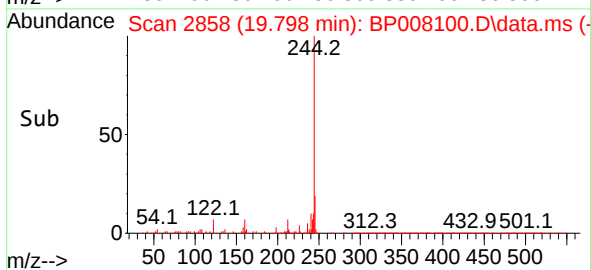
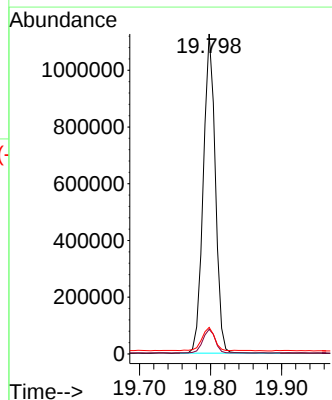
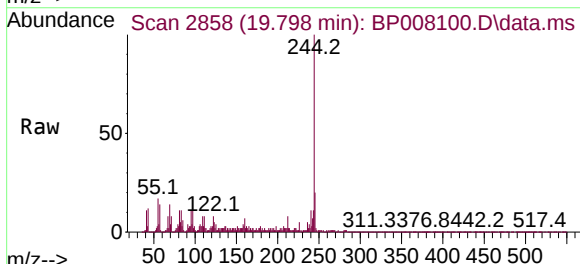
Instrument :
BNA_P
ClientSampleId :
20071

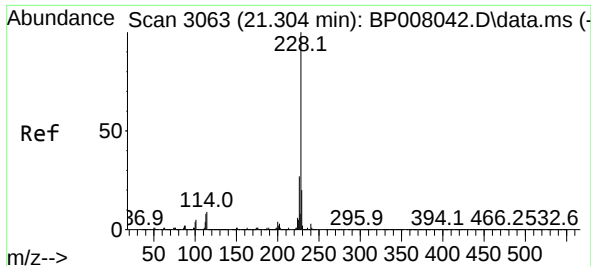
Tgt Ion:202 Resp: 120789
Ion Ratio Lower Upper
202 100
200 22.6 16.9 25.3
203 32.1 14.2 21.2#



#79
Terphenyl-d14
Concen: 50.256 ng
RT: 19.798 min Scan# 2858
Delta R.T. -0.000 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion:244 Resp: 1328068
Ion Ratio Lower Upper
244 100
212 7.7 6.3 9.5
122 8.3 6.1 9.1

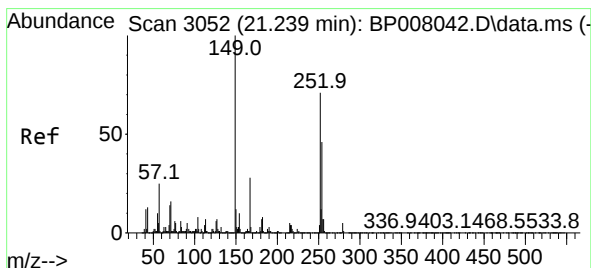
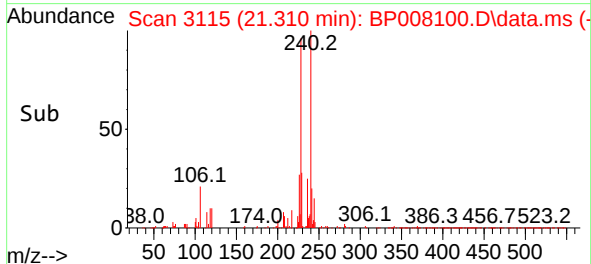
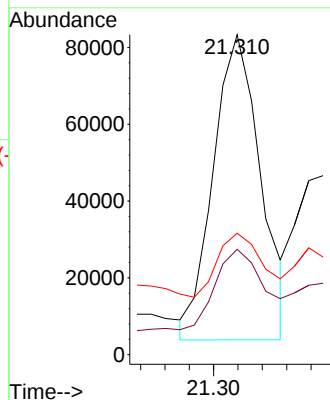
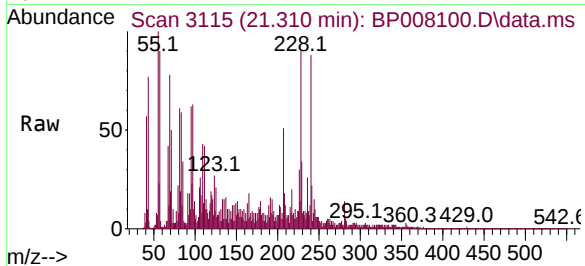




#81
Benzo(a)anthracene
Concen: 3.089 ng
RT: 21.310 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

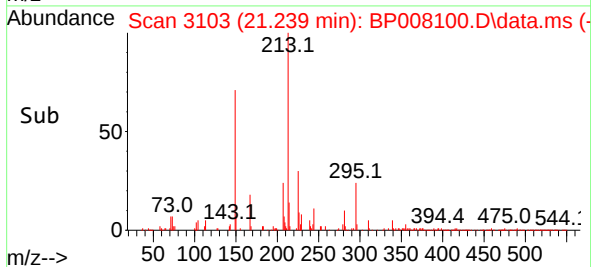
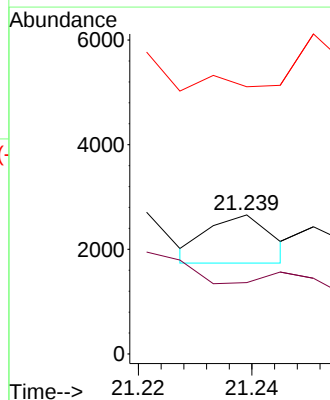
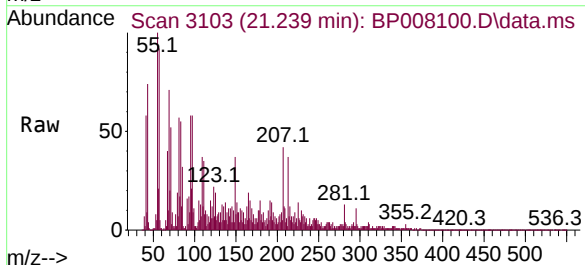
Instrument :
BNA_P
ClientSampleId :
20071

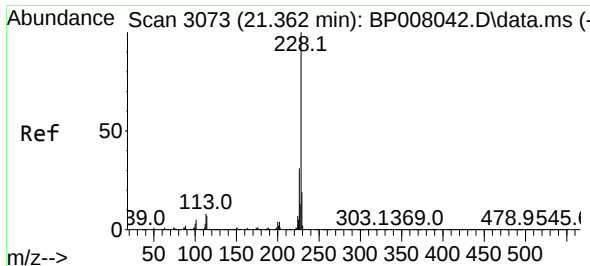
Tgt Ion:228 Resp: 107638
Ion Ratio Lower Upper
228 100
226 33.0 21.8 32.6#
229 38.0 16.1 24.1#



#82
3,3'-Dichlorobenzidine
Concen: Below Cal
RT: 21.239 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion:252 Resp: 723
Ion Ratio Lower Upper
252 100
254 51.3 51.8 77.8#
126 192.0 7.2 10.8#

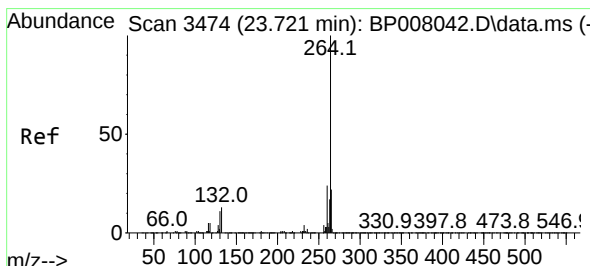
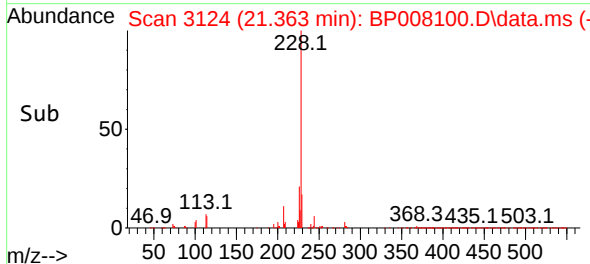
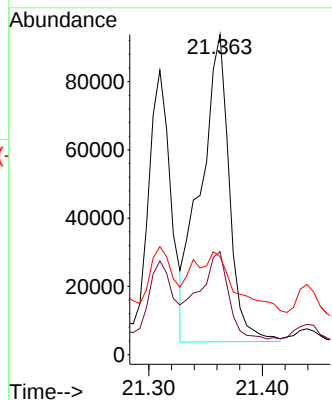
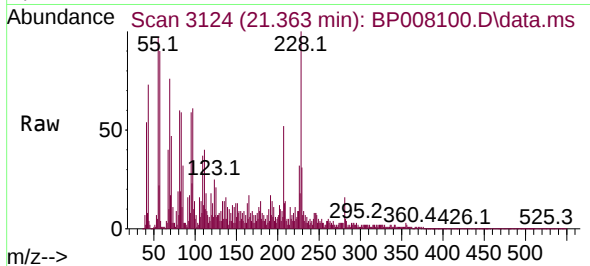




#83
Chrysene
Concen: 4.774 ng
RT: 21.363 min Scan# 31
Delta R.T. 0.001 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

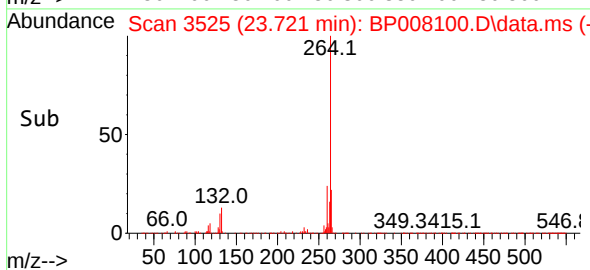
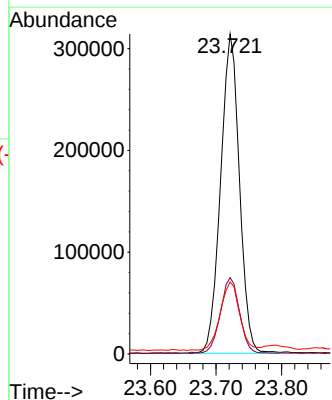
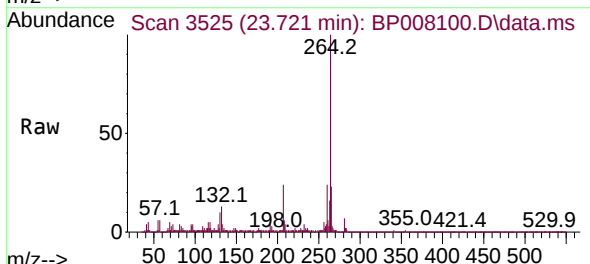
Instrument :
BNA_P
ClientSampleId :
20071

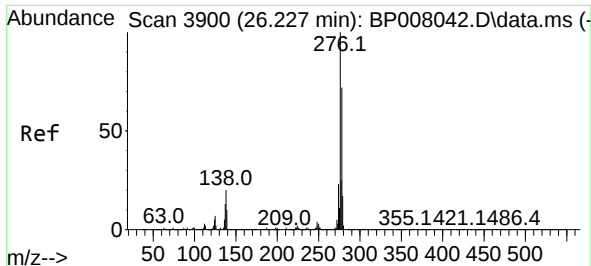
Tgt Ion:228 Resp: 157839
Ion Ratio Lower Upper
228 100
226 32.2 24.5 36.7
229 30.6 15.5 23.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.721 min Scan# 3525
Delta R.T. 0.000 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion:264 Resp: 623621
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 22.5 17.7 26.5

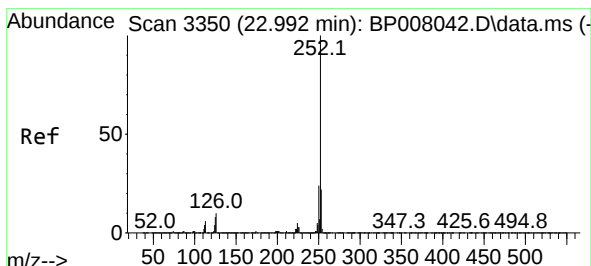
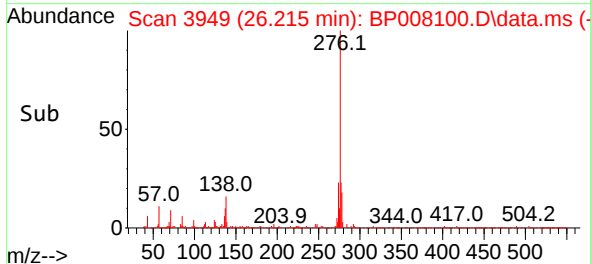
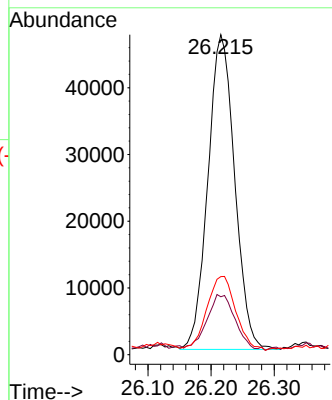
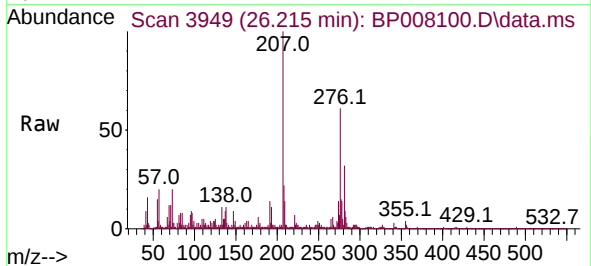




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.208 ng
 RT: 26.215 min Scan# 3401
 Delta R.T. -0.012 min
 Lab File: BP008100.D
 Acq: 23 Nov 2021 17:21

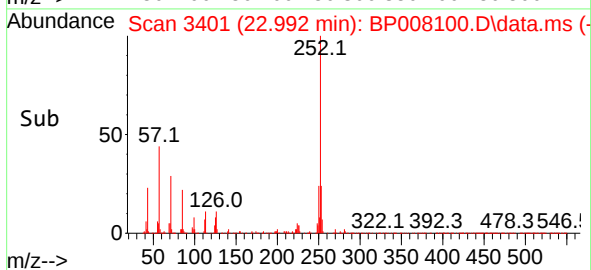
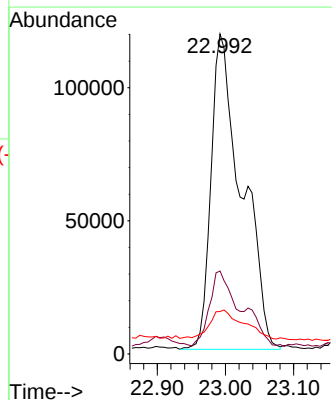
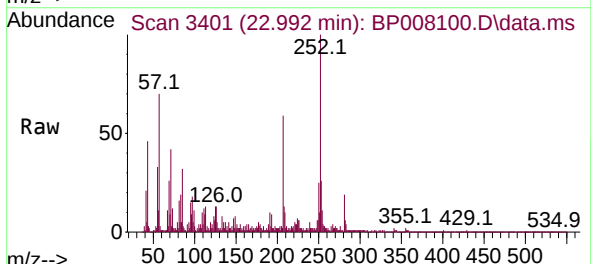
Instrument :
 BNA_P
 ClientSampleId :
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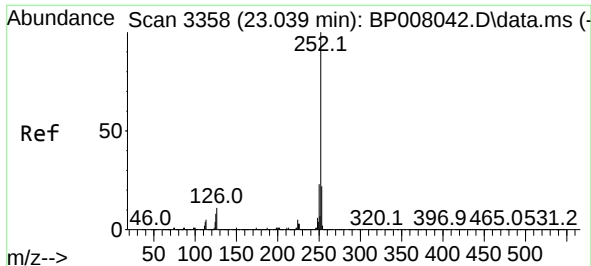
Tgt Ion:276 Resp: 138807
 Ion Ratio Lower Upper
 276 100
 138 19.0 16.5 24.7
 277 25.5 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 9.527 ng
 RT: 22.992 min Scan# 3401
 Delta R.T. 0.000 min
 Lab File: BP008100.D
 Acq: 23 Nov 2021 17:21

Tgt Ion:252 Resp: 371485
 Ion Ratio Lower Upper
 252 100
 253 25.9 17.4 26.2
 125 13.3 6.1 9.1#

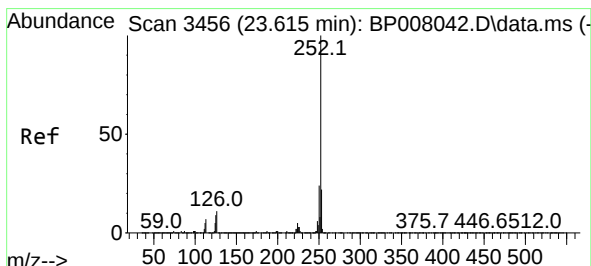
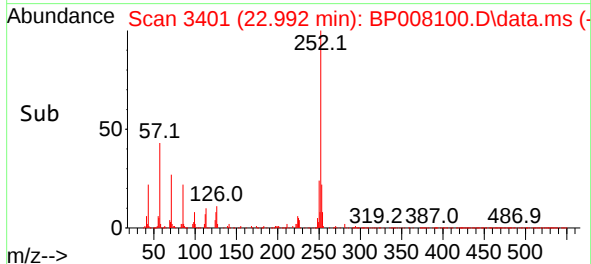
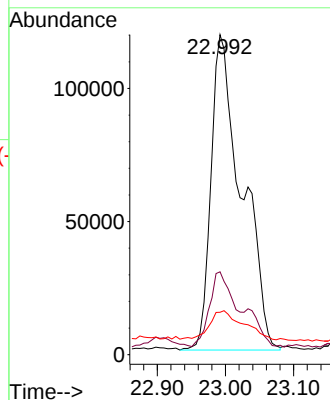
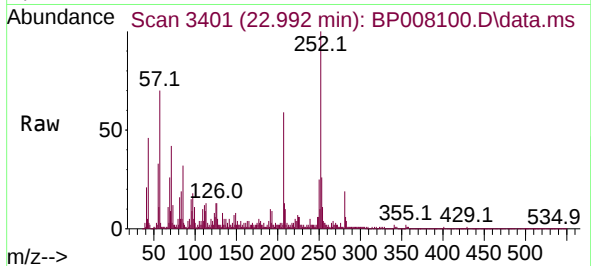




#89
Benzo(k)fluoranthene
Concen: 9.576 ng
RT: 22.992 min Scan# 34
Delta R.T. -0.047 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

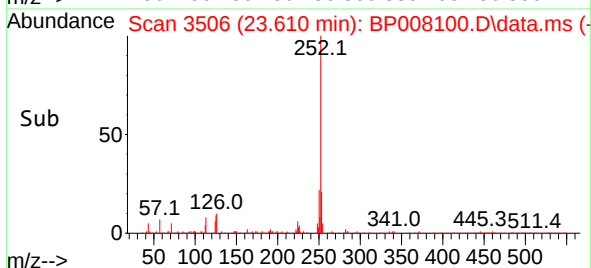
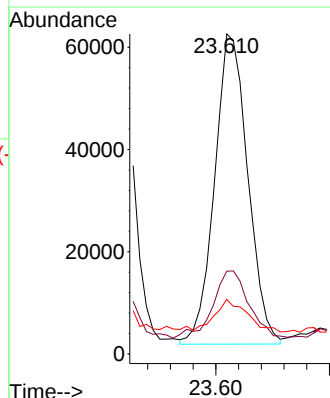
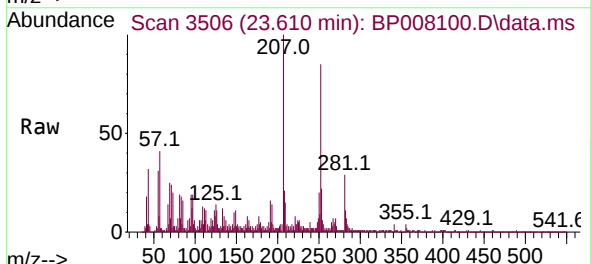
Instrument :
BNA_P
ClientSampleId :
20071

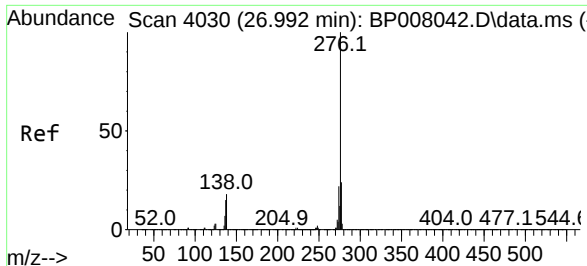
Tgt Ion:252 Resp: 371485
Ion Ratio Lower Upper
252 100
253 25.9 17.4 26.0
125 13.3 6.2 9.4#



#90
Benzo(a)pyrene
Concen: 3.767 ng
RT: 23.610 min Scan# 3506
Delta R.T. -0.006 min
Lab File: BP008100.D
Acq: 23 Nov 2021 17:21

Tgt Ion:252 Resp: 123090
Ion Ratio Lower Upper
252 100
253 25.9 17.4 26.2
125 17.0 7.4 11.2#





#92
 Benzo(g,h,i)perylene
 Concen: 3.796 ng
 RT: 26.986 min Scan# 40
 Delta R.T. -0.006 min
 Lab File: BP008100.D
 Acq: 23 Nov 2021 17:21

Instrument :
 BNA_P
 ClientSampleId :
 20071

Tgt Ion:276 Resp: 133941
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.0 28.6
 138 16.2 14.2 21.2

