

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120721\
 Data File : BP008267.D
 Acq On : 08 Dec 2021 00:36
 Operator : CG/JU
 Sample : M4947-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 355-994

Quant Time: Dec 08 01:12:44 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 03 14:39:24 2021
 Response via : Initial Calibration

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

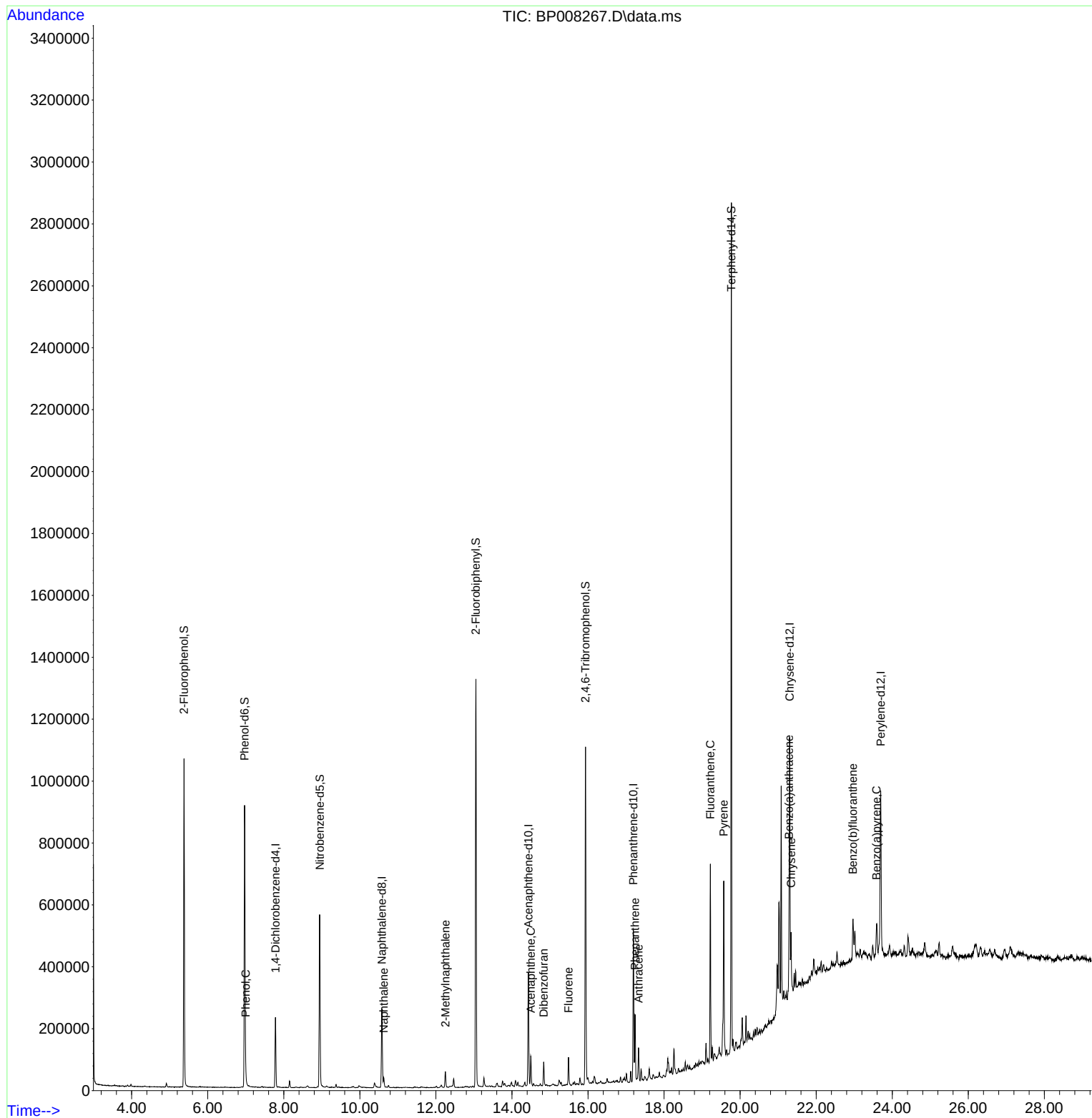
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	57247	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	204014	20.000	ng	-0.02
39) Acenaphthene-d10	14.434	164	129101	20.000	ng	-0.01
64) Phenanthrene-d10	17.192	188	291430	20.000	ng	-0.02
76) Chrysene-d12	21.304	240	369447	20.000	ng	-0.01
86) Perylene-d12	23.698	264	422657	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	410801	115.539	ng	-0.01
7) Phenol-d6	6.969	99	509846	106.225	ng	-0.02
23) Nitrobenzene-d5	8.946	82	345313	76.968	ng	-0.02
42) 2,4,6-Tribromophenol	15.934	330	205385	124.466	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	680667	76.583	ng	-0.02
79) Terphenyl-d14	19.769	244	1214307	68.692	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.999	94	11107	2.252	ng	# 79
31) Naphthalene	10.628	128	22679	2.170	ng	98
37) 2-Methylnaphthalene	12.251	142	23816	3.222	ng	99
52) Acenaphthene	14.498	154	32532	4.783	ng	96
55) Dibenzofuran	14.834	168	46115	3.968	ng	99
58) Fluorene	15.487	166	36890	3.907	ng	94
71) Phenanthrene	17.234	178	128878	8.376	ng	98
72) Anthracene	17.328	178	59502	3.897	ng	98
75) Fluoranthene	19.216	202	351853	16.975	ng	98
78) Pyrene	19.569	202	342124	12.854	ng	99
81) Benzo(a)anthracene	21.286	228	122278	4.994	ng	97
83) Chrysene	21.339	228	107671	4.621	ng	96
88) Benzo(b)fluoranthene	22.969	252	104466	4.100	ng	# 91
90) Benzo(a)pyrene	23.586	252	60754	2.790	ng	# 91

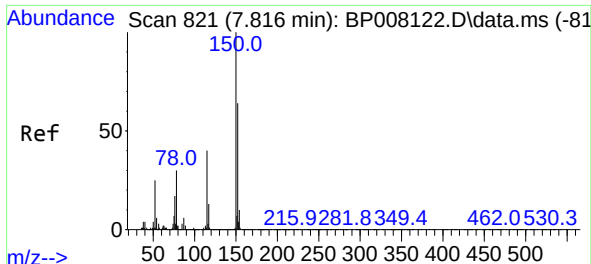
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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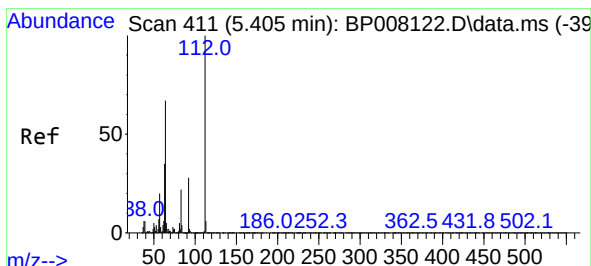
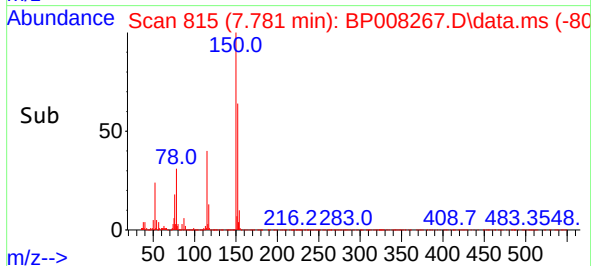
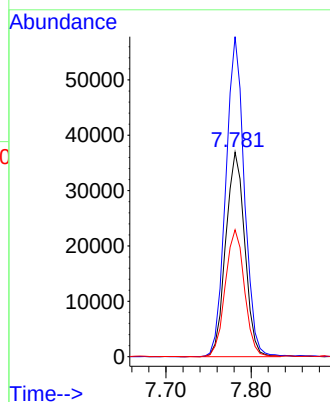
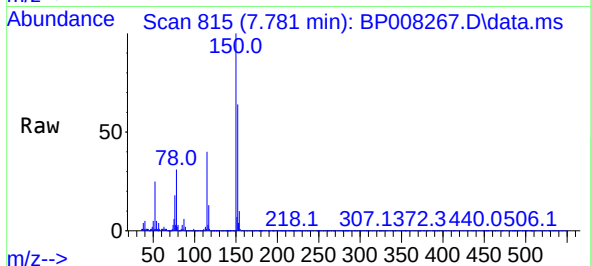




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

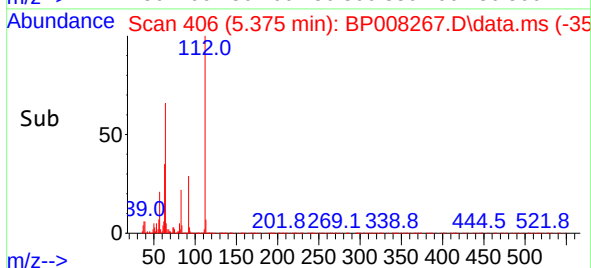
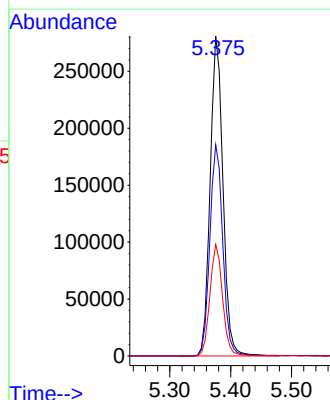
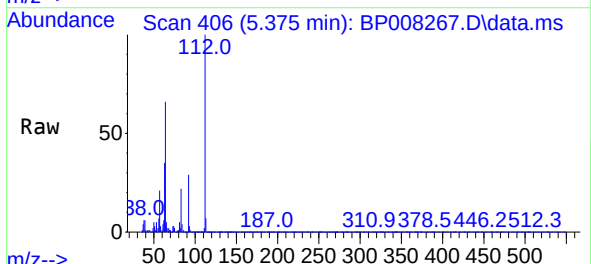
Instrument :
BNA_P
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355-994

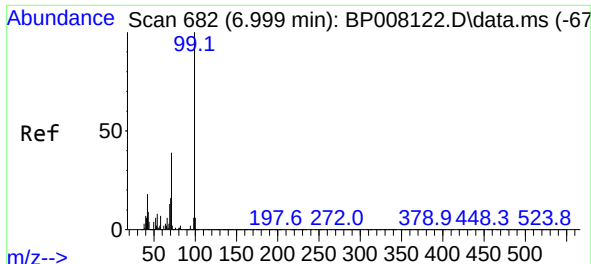
Tgt Ion:152 Resp: 57247
Ion Ratio Lower Upper
152 100
150 156.5 125.7 188.5
115 62.0 50.7 76.1



#5
2-Fluorophenol
Concen: 115.539 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.012 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

Tgt Ion:112 Resp: 410801
Ion Ratio Lower Upper
112 100
64 66.0 53.4 80.2
63 34.9 27.8 41.8

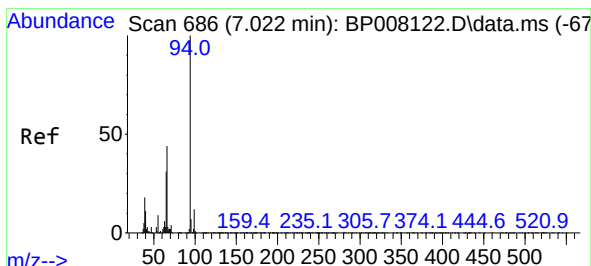
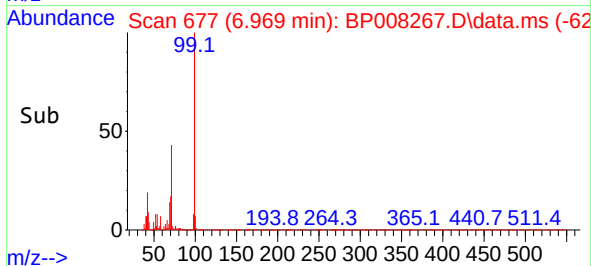
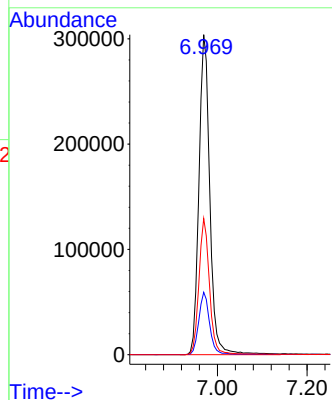
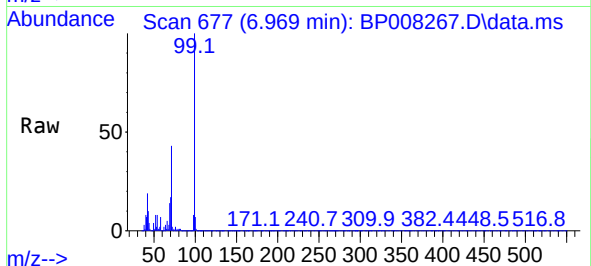




#7
Phenol-d6
Concen: 106.225 ng
RT: 6.969 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

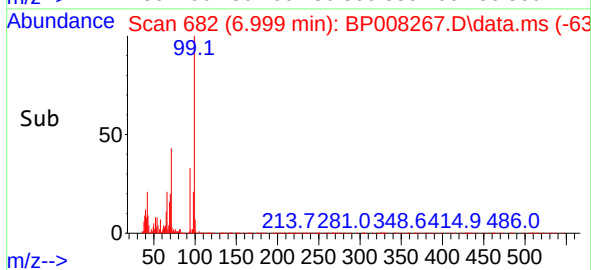
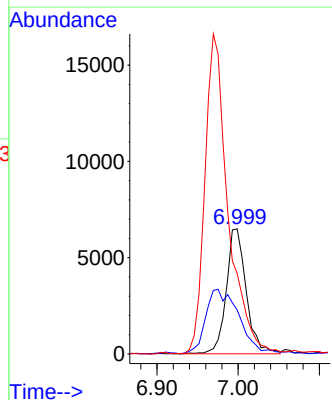
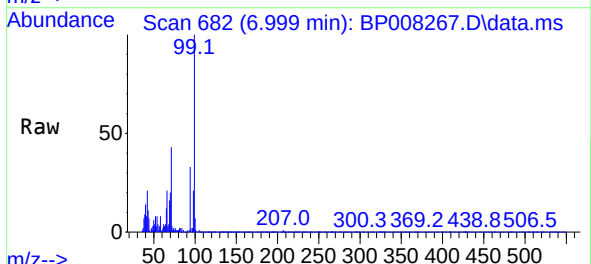
Instrument :
BNA_P
ClientSampleId :
355-994

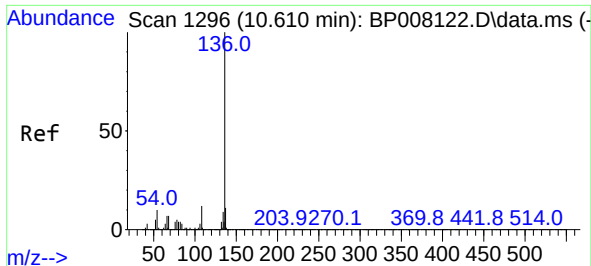
Tgt Ion: 99 Resp: 509846
Ion Ratio Lower Upper
99 100
42 19.5 14.6 22.0
71 42.5 31.1 46.7



#10
Phenol
Concen: 2.252 ng
RT: 6.999 min Scan# 682
Delta R.T. -0.012 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

Tgt Ion: 94 Resp: 11107
Ion Ratio Lower Upper
94 100
65 35.1 10.9 50.9
66 64.4 24.3 64.3#

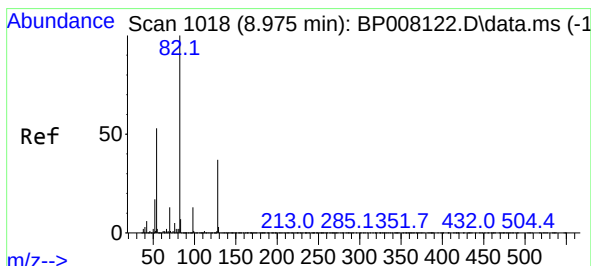
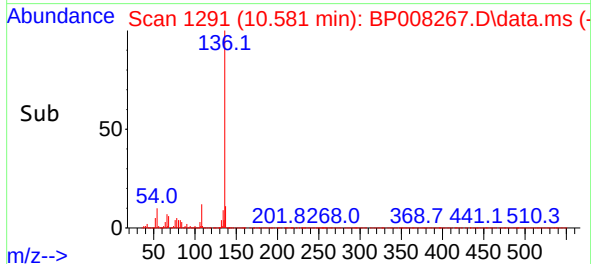
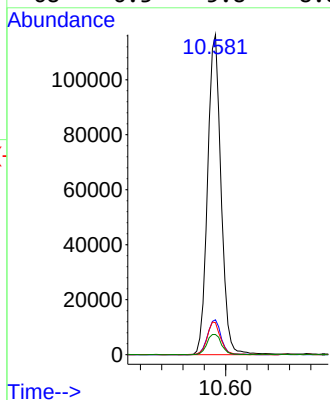
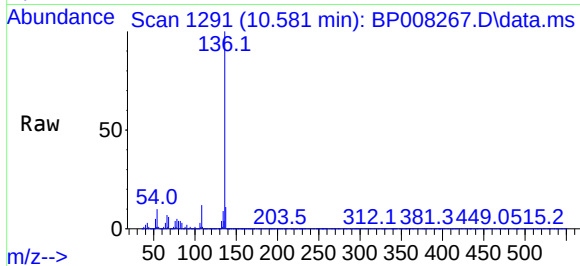




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1013
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

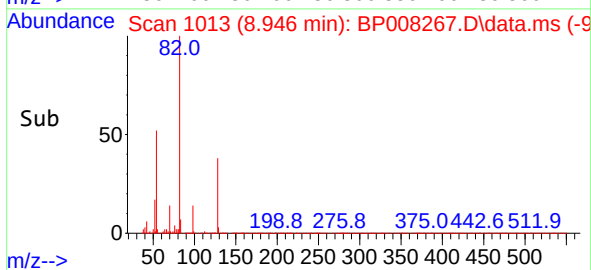
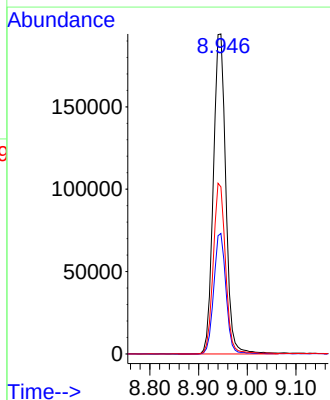
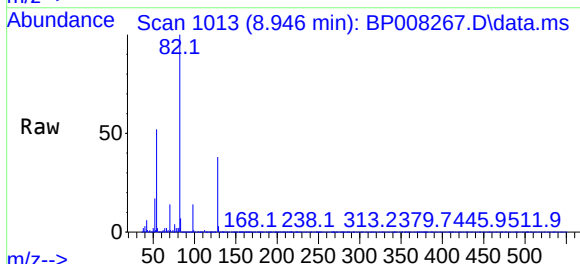
Instrument :
BNA_P
ClientSampleId :
355-994

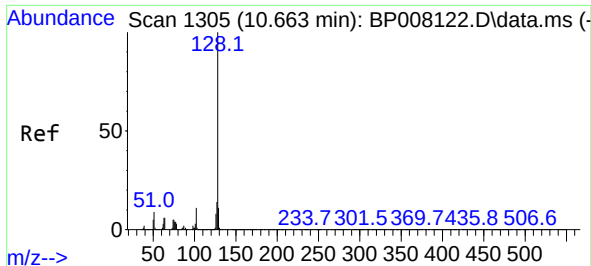
Tgt Ion:136 Resp: 204014
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 10.0 8.2 12.4
68 6.3 5.8 8.8



#23
Nitrobenzene-d5
Concen: 76.968 ng
RT: 8.946 min Scan# 1013
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

Tgt Ion: 82 Resp: 345313
Ion Ratio Lower Upper
82 100
128 37.6 29.6 44.4
54 52.2 42.7 64.1

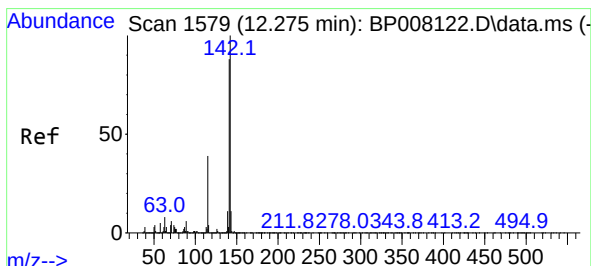
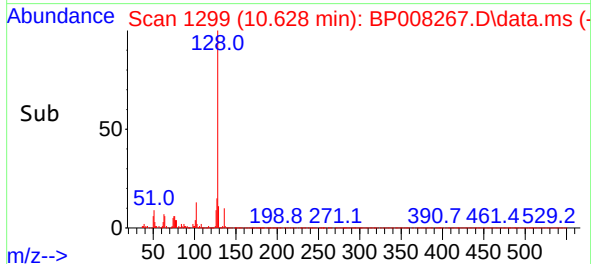
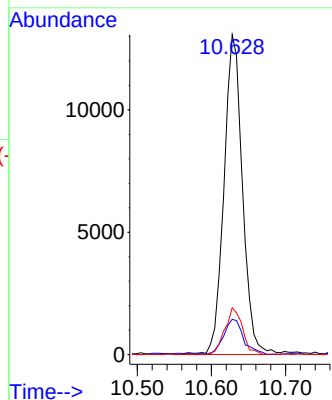
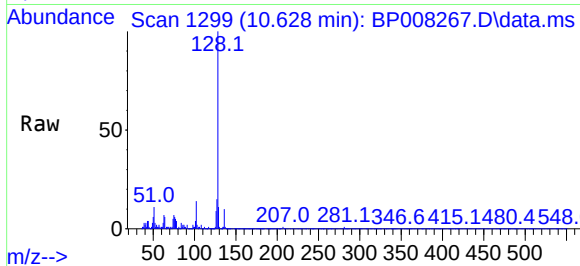




#31
Naphthalene
Concen: 2.170 ng
RT: 10.628 min Scan# 1299
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

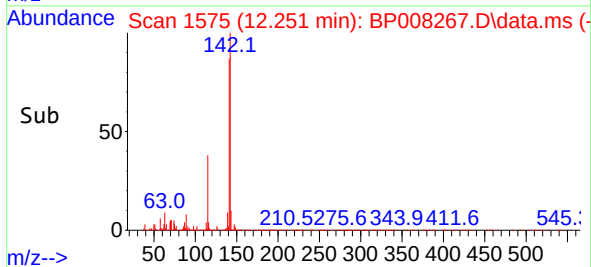
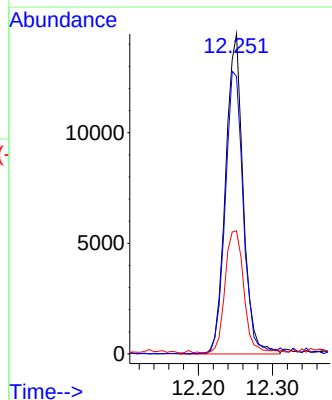
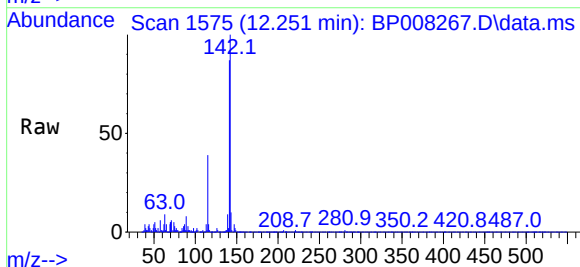
Instrument :
BNA_P
ClientSampleId :
355-994

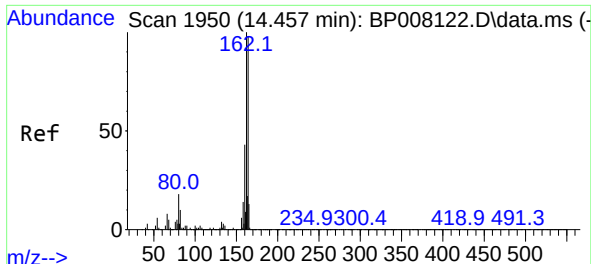
Tgt Ion:	128	Resp:	22679
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.5	12.7
127	14.6	10.9	16.3



#37
2-Methylnaphthalene
Concen: 3.222 ng
RT: 12.251 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

Tgt Ion:	142	Resp:	23816
Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.7	106.1
115	38.5	30.9	46.3

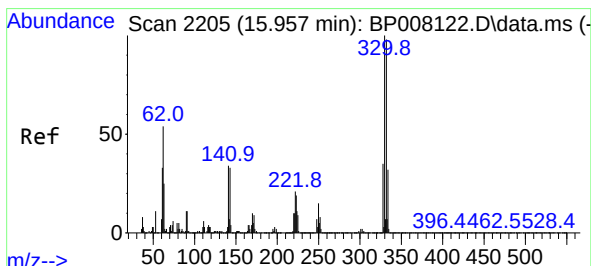
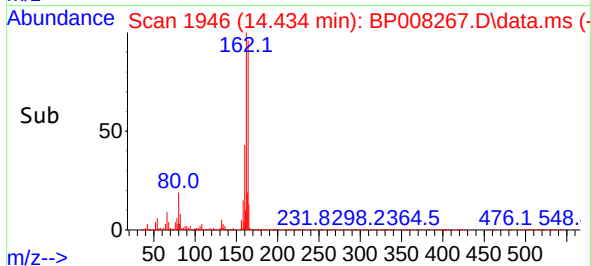
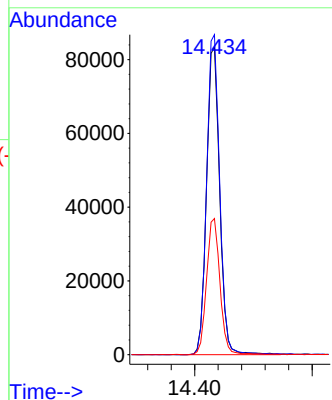
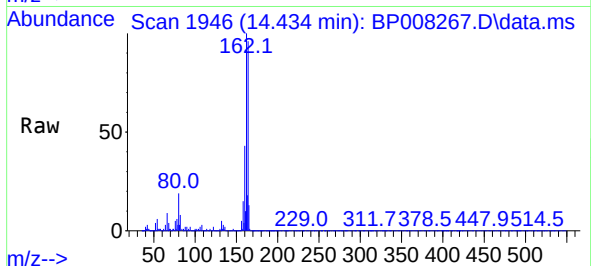




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.434 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

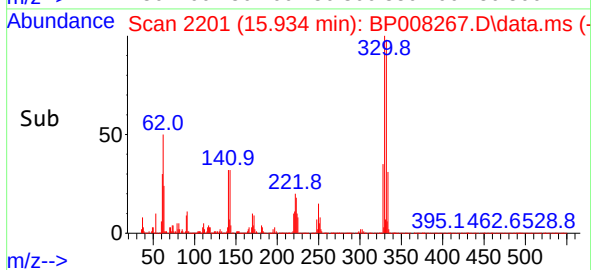
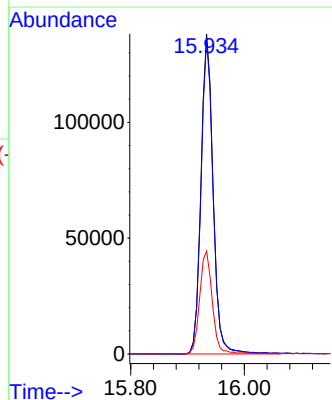
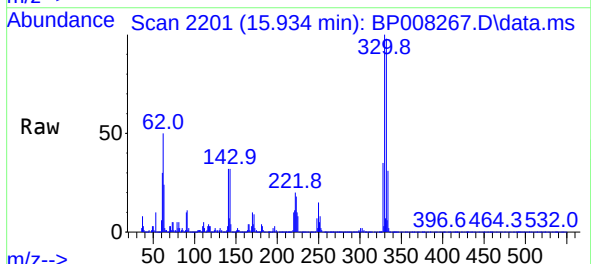
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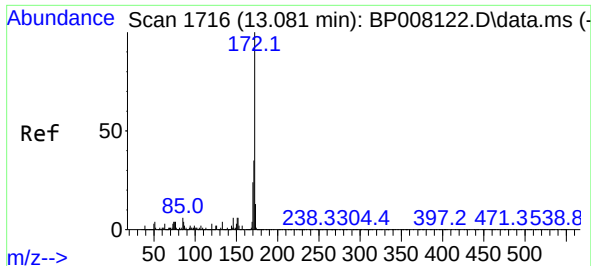
Tgt Ion:164 Resp: 129101
Ion Ratio Lower Upper
164 100
162 104.0 81.9 122.9
160 44.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 124.466 ng
RT: 15.934 min Scan# 2201
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

Tgt Ion:330 Resp: 205385
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.4
141 33.7 28.4 42.6

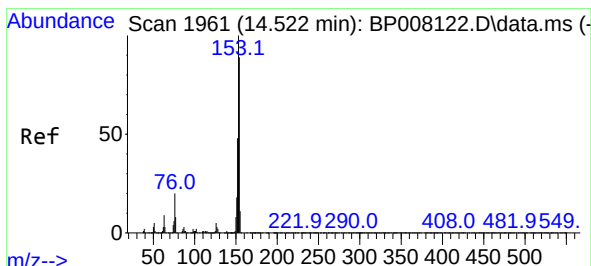
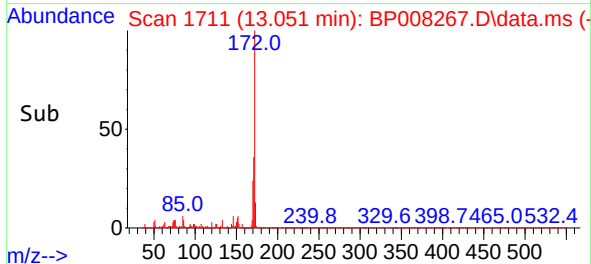
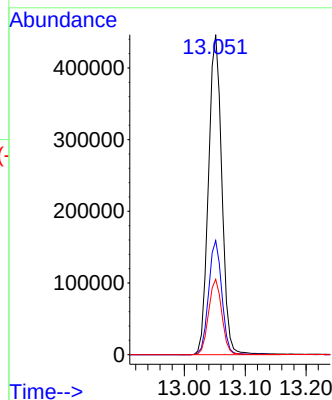
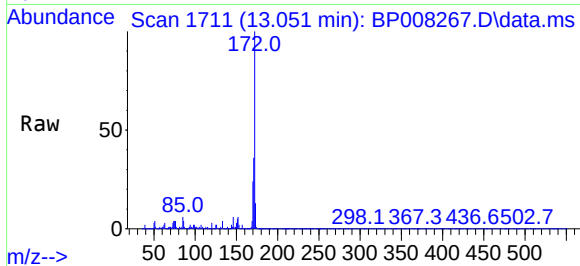




#45
2-Fluorobiphenyl
Concen: 76.583 ng
RT: 13.051 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

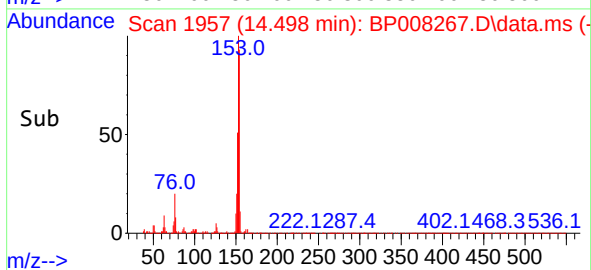
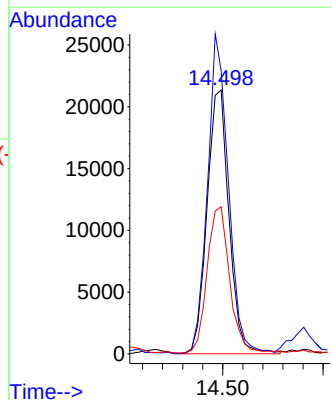
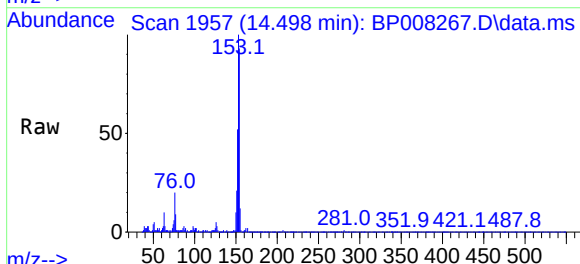
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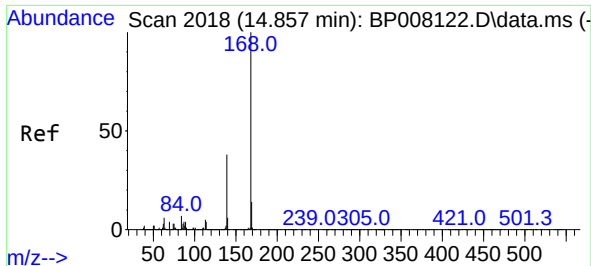
Tgt Ion:172 Resp: 680667
Ion Ratio Lower Upper
172 100
171 35.6 28.0 42.0
170 23.5 18.9 28.3



#52
Acenaphthene
Concen: 4.783 ng
RT: 14.498 min Scan# 1957
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

Tgt Ion:154 Resp: 32532
Ion Ratio Lower Upper
154 100
153 107.3 90.3 135.5
152 55.7 43.3 64.9

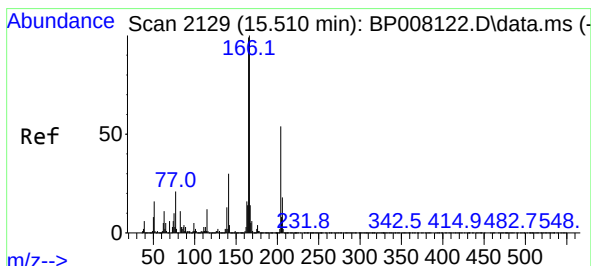
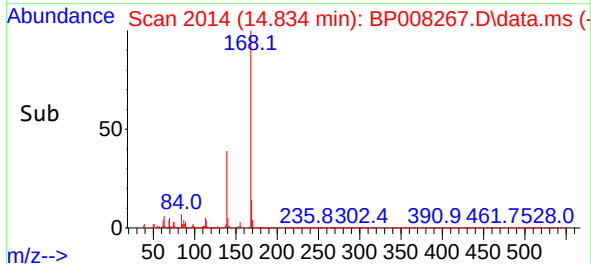
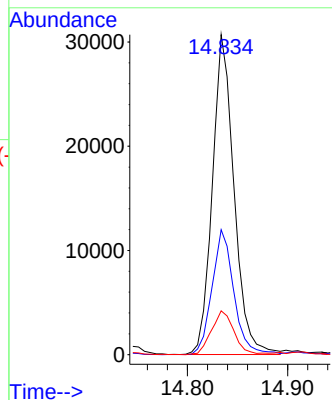
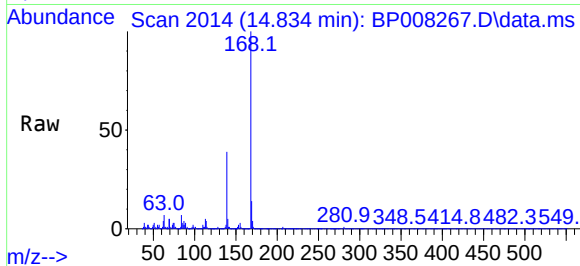




#55
Dibenzenofuran
Concen: 3.968 ng
RT: 14.834 min Scan# 2014
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

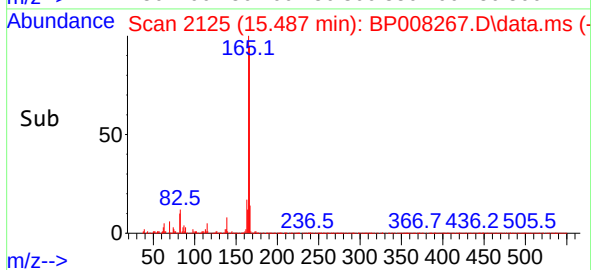
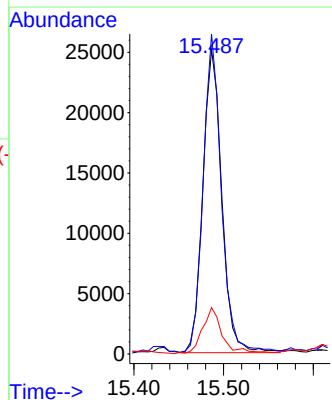
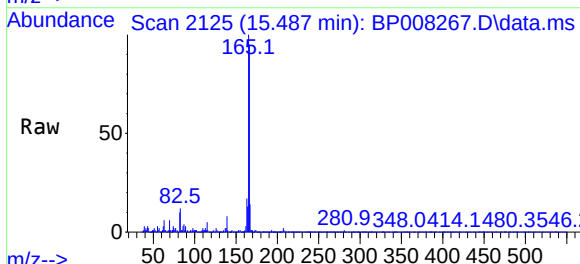
Instrument :
BNA_P
ClientSampleId :
355-994

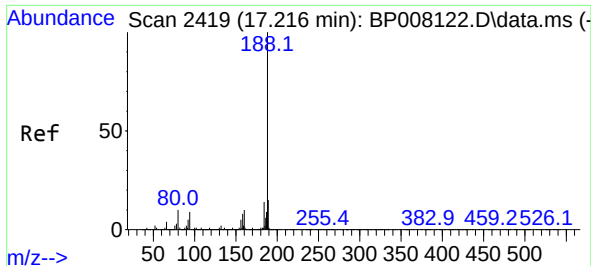
Tgt Ion:	168	Resp:	46115
Ion Ratio	Lower	Upper	
168	100		
139	39.1	30.6	46.0
169	13.7	11.0	16.4



#58
Fluorene
Concen: 3.907 ng
RT: 15.487 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

Tgt Ion:	166	Resp:	36890
Ion Ratio	Lower	Upper	
166	100		
165	105.2	79.4	119.2
167	15.2	10.9	16.3

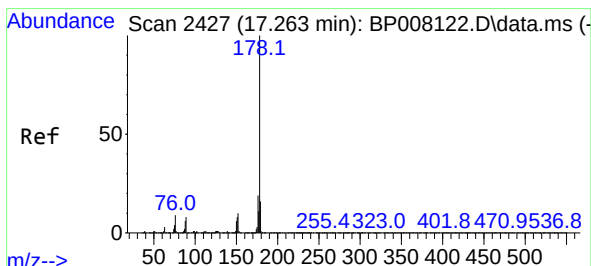
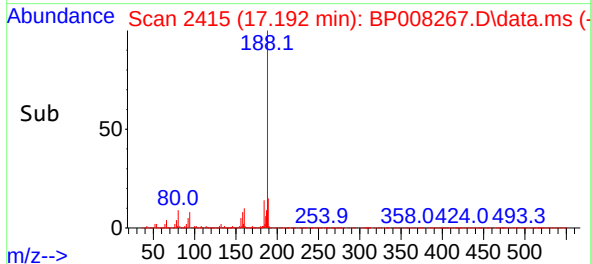
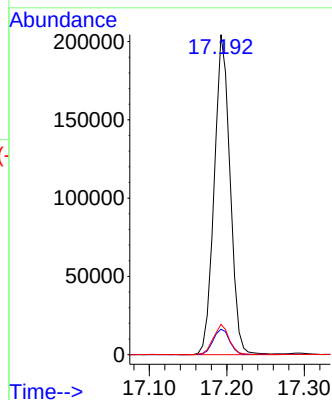
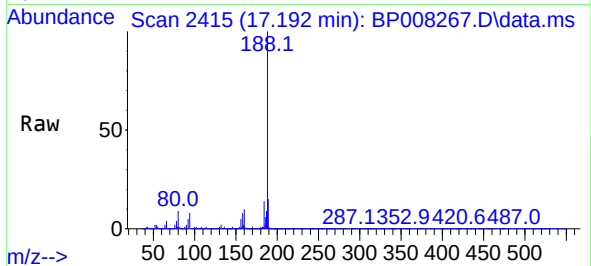




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2419
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

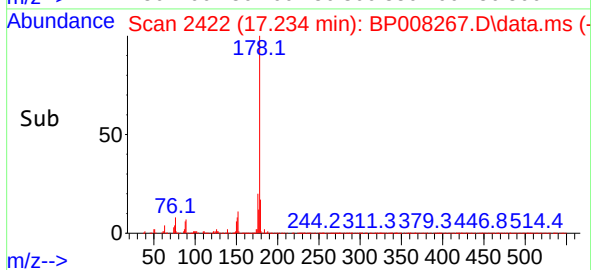
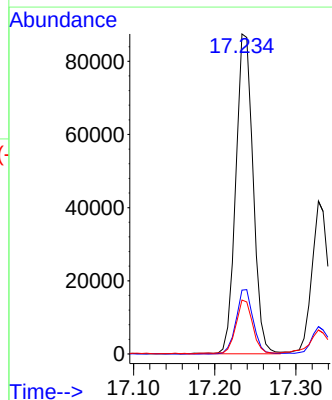
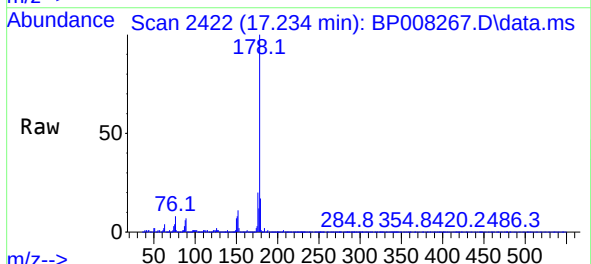
Instrument :
BNA_P
ClientSampleId :
355-994

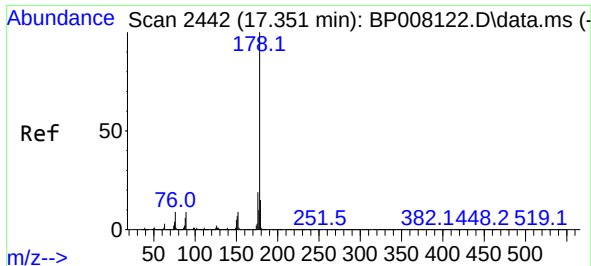
Tgt Ion:188 Resp: 291430
Ion Ratio Lower Upper
188 100
94 8.0 7.2 10.8
80 9.4 8.2 12.4



#71
Phenanthrene
Concen: 8.376 ng
RT: 17.234 min Scan# 2422
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

Tgt Ion:178 Resp: 128878
Ion Ratio Lower Upper
178 100
176 20.0 15.3 22.9
179 16.8 12.5 18.7

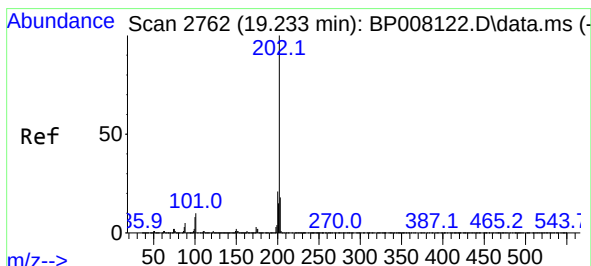
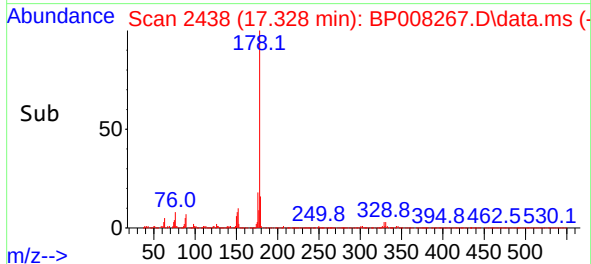
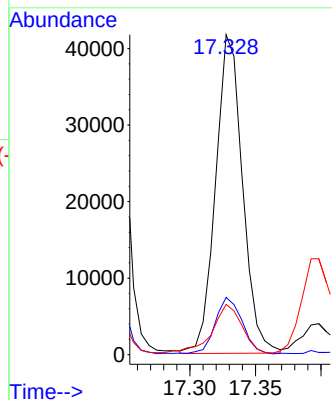
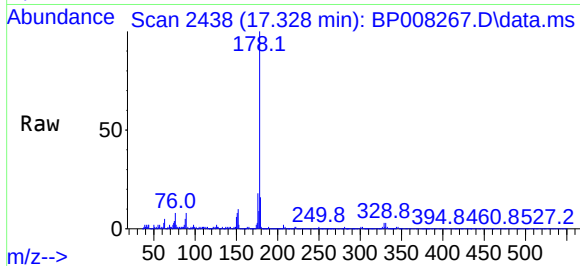




#72
 Anthracene
 Concen: 3.897 ng
 RT: 17.328 min Scan# 2442
 Delta R.T. -0.018 min
 Lab File: BP008267.D
 Acq: 08 Dec 2021 00:36

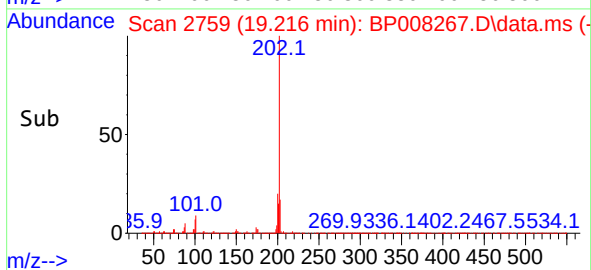
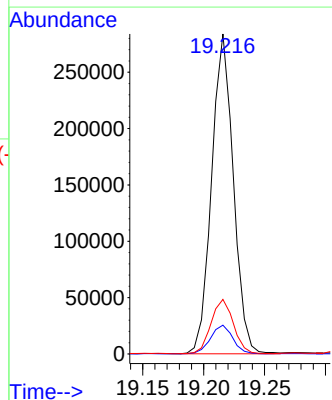
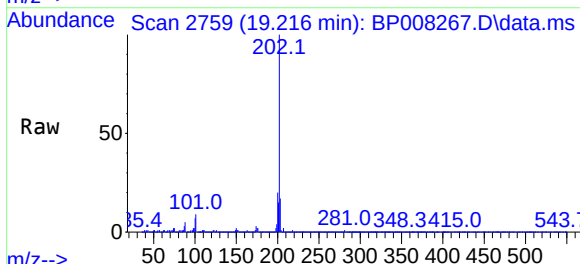
Instrument :
 BNA_P
 ClientSampleId :
 355-994

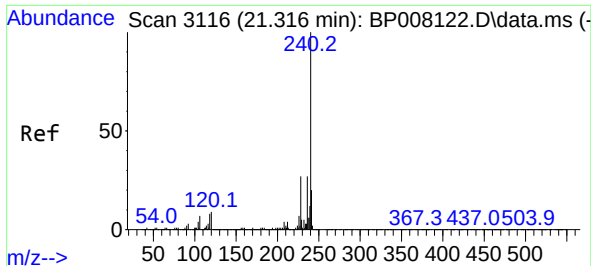
Tgt Ion:178 Resp: 59502
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.1 22.7
 179 15.7 12.3 18.5



#75
 Fluoranthene
 Concen: 16.975 ng
 RT: 19.216 min Scan# 2759
 Delta R.T. -0.018 min
 Lab File: BP008267.D
 Acq: 08 Dec 2021 00:36

Tgt Ion:202 Resp: 351853
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 29.8
 203 17.1 0.0 37.7

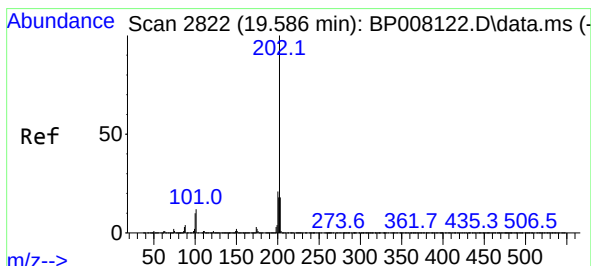
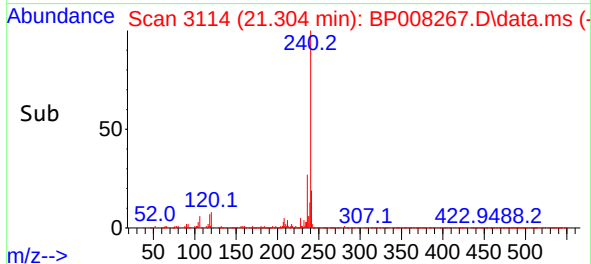
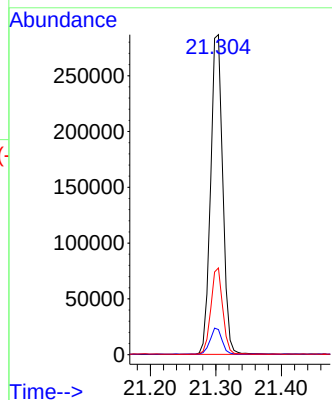
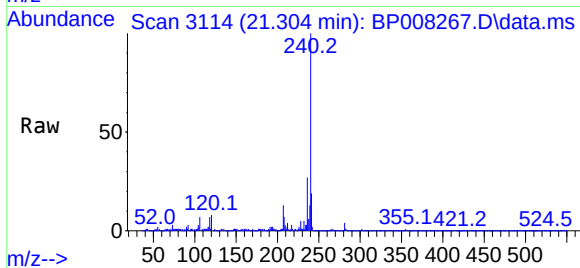




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.304 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

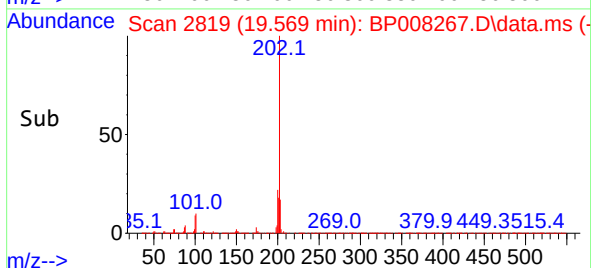
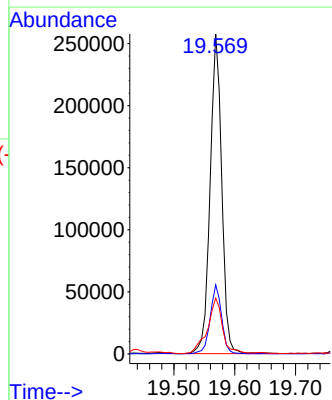
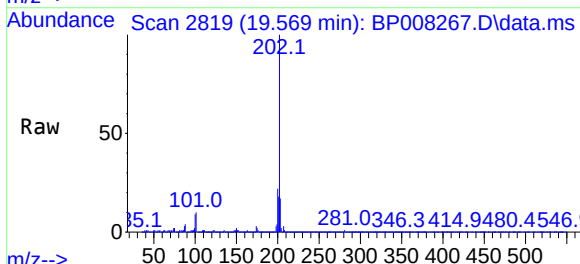
Instrument :
BNA_P
ClientSampleId :
355-994

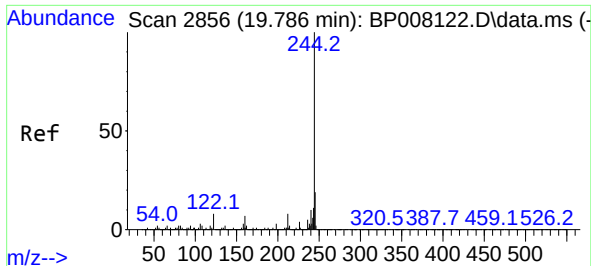
Tgt Ion:240 Resp: 369447
Ion Ratio Lower Upper
240 100
120 7.8 7.3 10.9
236 27.1 21.4 32.2



#78
Pyrene
Concen: 12.854 ng
RT: 19.569 min Scan# 2819
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

Tgt Ion:202 Resp: 342124
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 17.4 14.2 21.2



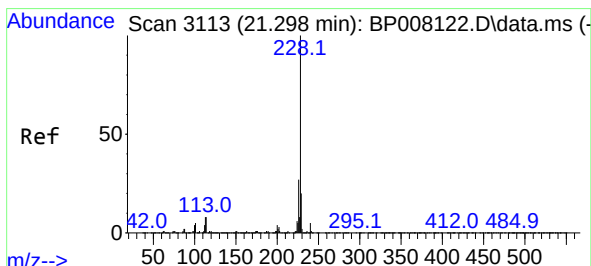
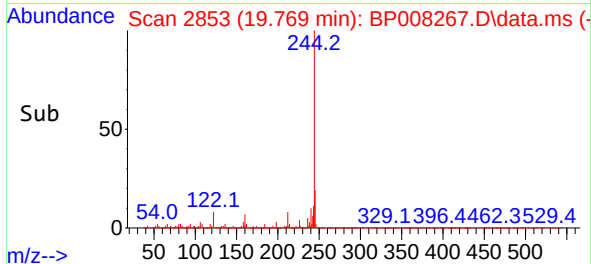
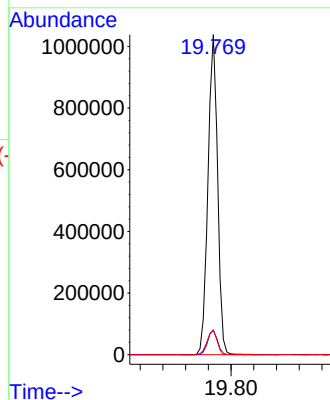
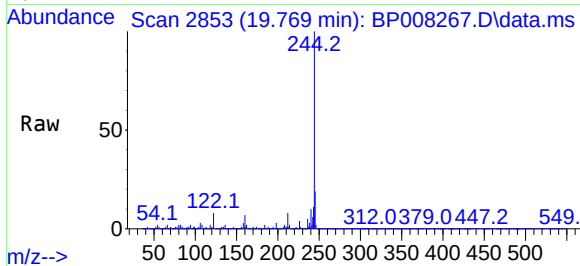


#79
 Terphenyl-d14
 Concen: 68.692 ng
 RT: 19.769 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP008267.D
 Acq: 08 Dec 2021 00:36

Instrument :
 BNA_P
 ClientSampleId :
 355-994

Tgt Ion:244 Resp: 1214307

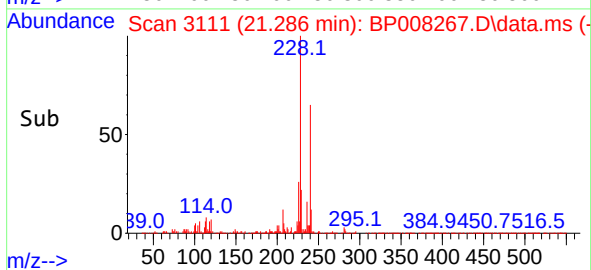
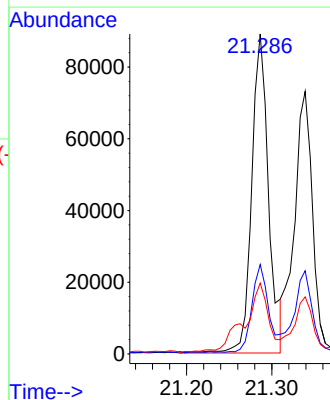
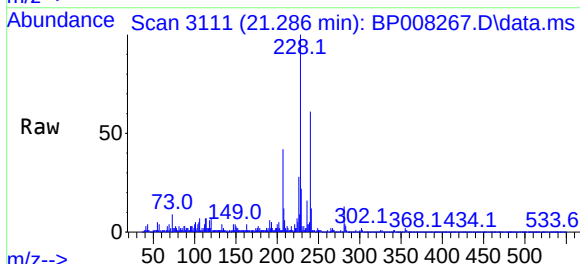
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	7.7	6.6	9.8

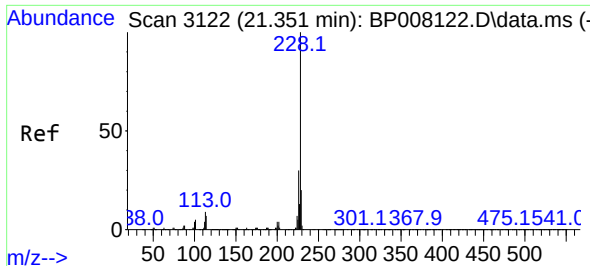


#81
 Benzo(a)anthracene
 Concen: 4.994 ng
 RT: 21.286 min Scan# 3111
 Delta R.T. -0.012 min
 Lab File: BP008267.D
 Acq: 08 Dec 2021 00:36

Tgt Ion:228 Resp: 122278

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.9	32.9
229	22.2	15.9	23.9



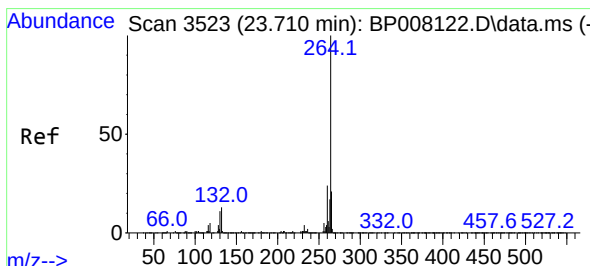
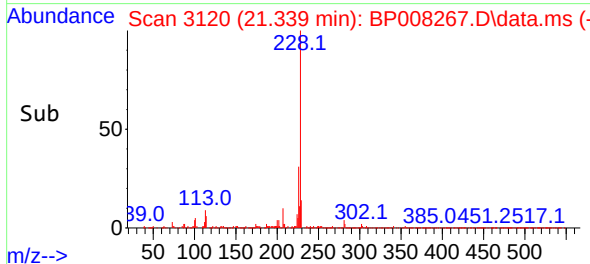
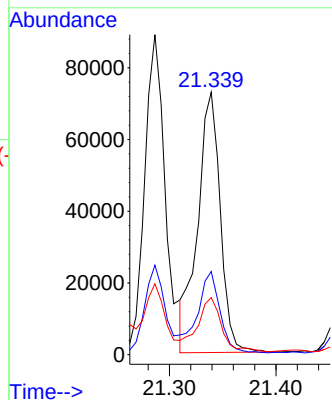
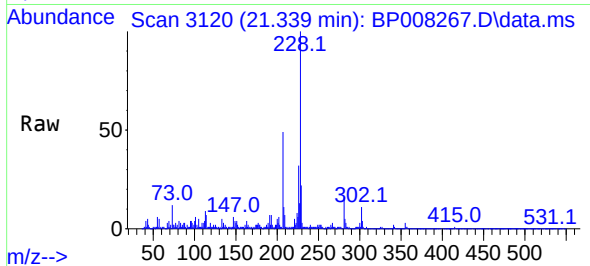


#83
Chrysene
Concen: 4.621 ng
RT: 21.339 min Scan# 3122
Delta R.T. -0.012 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

Instrument :
BNA_P
ClientSampleId :
355-994

Tgt Ion:228 Resp: 107671

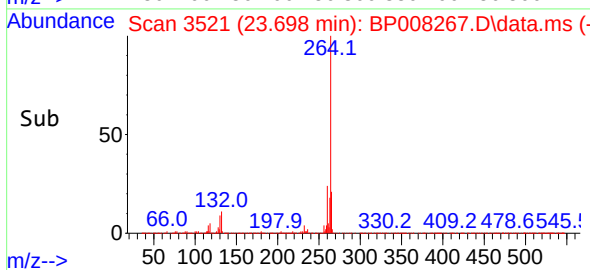
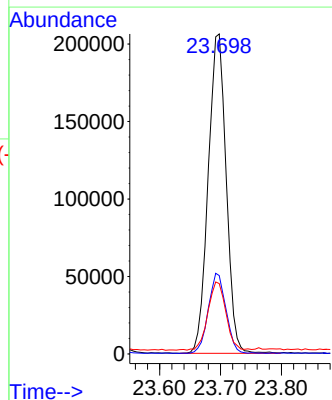
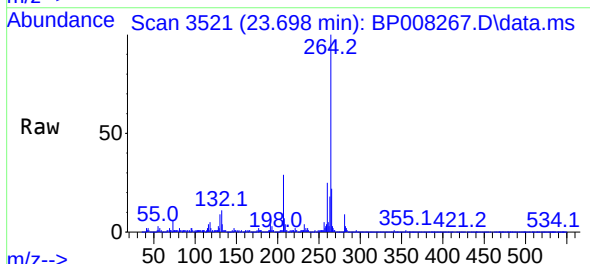
Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.0	36.0
229	21.7	15.8	23.8

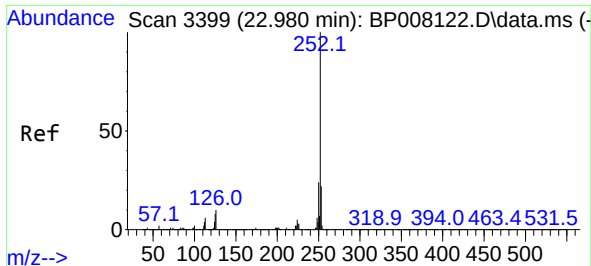


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.698 min Scan# 3521
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

Tgt Ion:264 Resp: 422657

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.0	17.6	26.4

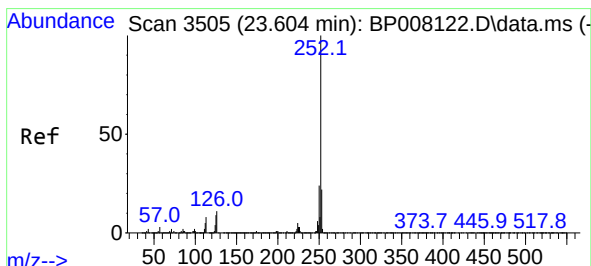
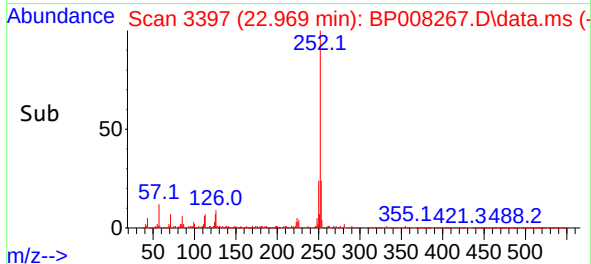
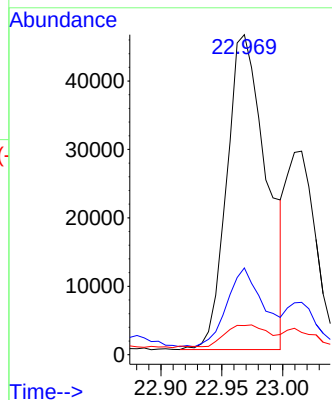
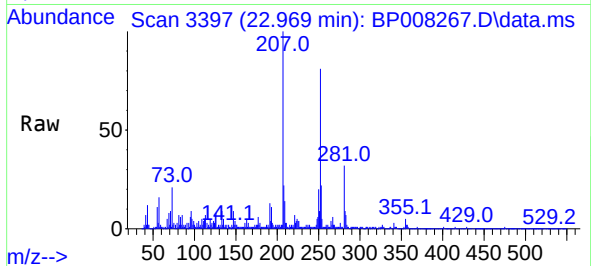




#88
Benzo(b)fluoranthene
Concen: 4.100 ng
RT: 22.969 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

Instrument :
BNA_P
ClientSampleId :
355-994

Tgt Ion:252 Resp: 104466
Ion Ratio Lower Upper
252 100
253 27.1 17.7 26.5#
125 9.1 6.2 9.4



#90
Benzo(a)pyrene
Concen: 2.790 ng
RT: 23.586 min Scan# 3502
Delta R.T. -0.024 min
Lab File: BP008267.D
Acq: 08 Dec 2021 00:36

Tgt Ion:252 Resp: 60754
Ion Ratio Lower Upper
252 100
253 27.0 17.6 26.4#
125 11.0 7.4 11.0

