

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
 Data File : BP007314.D
 Acq On : 04 Oct 2021 20:20
 Operator : CG/JU
 Sample : M4032-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NB-08-100121

Quant Time: Oct 05 02:22:31 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 12:49:05 2021
 Response via : Initial Calibration

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

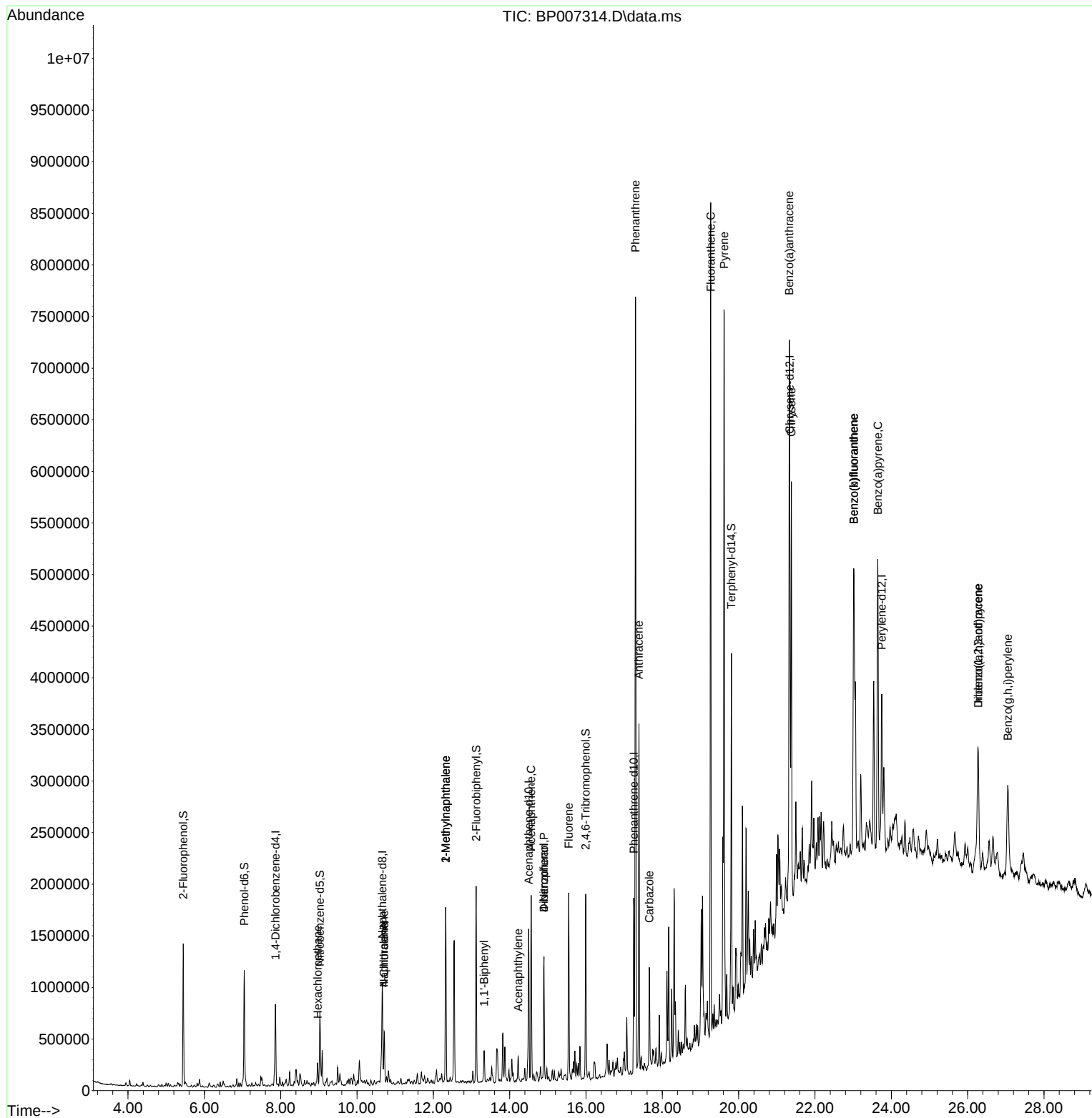
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	221107	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	822014	20.000	ng	# 0.00
39) Acenaphthene-d10	14.498	164	501416	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	1043835	20.000	ng	# 0.00
76) Chrysene-d12	21.339	240	1058395	20.000	ng	# 0.00
86) Perylene-d12	23.750	264	1140090	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	618868	46.853	ng	0.00
7) Phenol-d6	7.045	99	715654	39.642	ng	0.00
23) Nitrobenzene-d5	9.028	82	421847	29.886	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	279383	42.978	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	1003267	28.665	ng	0.00
79) Terphenyl-d14	19.810	244	1522315	27.562	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	8.969	117	18080	3.262	ng	# 1
31) Naphthalene	10.710	128	383544	9.142	ng	99
33) 4-Chloroaniline	10.710	127	51581	2.976	ng	# 36
37) 2-Methylnaphthalene	12.322	142	852271	29.013	ng	97
38) 1-Methylnaphthalene	12.322	142	852271	29.693	ng	97
46) 1,1'-Biphenyl	13.333	154	127863	3.428	ng	96
49) Acenaphthylene	14.222	152	118613	2.666	ng	# 94
52) Acenaphthene	14.563	154	653864	24.253	ng	99
55) Dibenzofuran	14.898	168	717209	15.945	ng	96
56) 4-Nitrophenol	14.898	139	257876	39.880	ng	# 5
58) Fluorene	15.545	166	831581	23.931	ng	100
71) Phenanthrene	17.298	178	4744287	84.765	ng	99
72) Anthracene	17.386	178	2128192	38.870	ng	99
73) Carbazole	17.657	167	632788	11.794	ng	98
75) Fluoranthene	19.268	202	5010656	77.704	ng	98
78) Pyrene	19.621	202	4401612	63.387	ng	98
81) Benzo(a)anthracene	21.327	228	2661080	38.735	ng	97
83) Chrysene	21.380	228	2184125	33.265	ng	96
87) Indeno(1,2,3-cd)pyrene	26.274	276	1236861	15.096	ng	98
88) Benzo(b)fluoranthene	23.015	252	2690573	39.490	ng	# 95
89) Benzo(k)fluoranthene	23.015	252	2690573	39.003	ng	# 95
90) Benzo(a)pyrene	23.645	252	2137472	36.926	ng	# 96
91) Dibenzo(a,h)anthracene	26.280	278	368879	5.372	ng	# 81
92) Benzo(g,h,i)perylene	27.050	276	1153816	17.220	ng	# 92

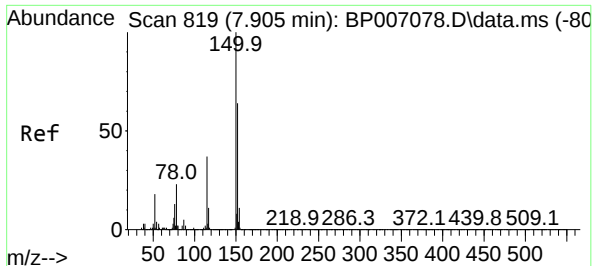
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

Quant Time: Oct 05 02:22:31 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 12:49:05 2021
Response via : Initial Calibration

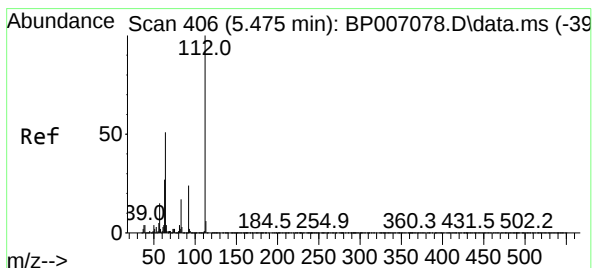
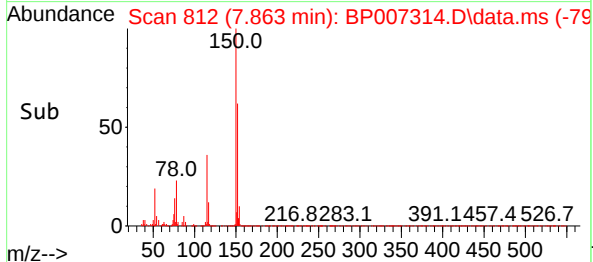
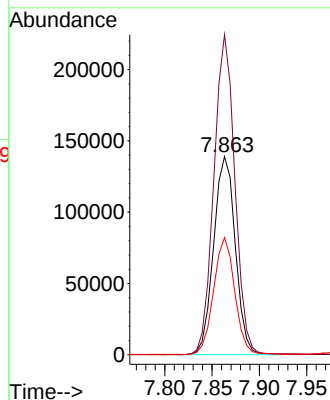
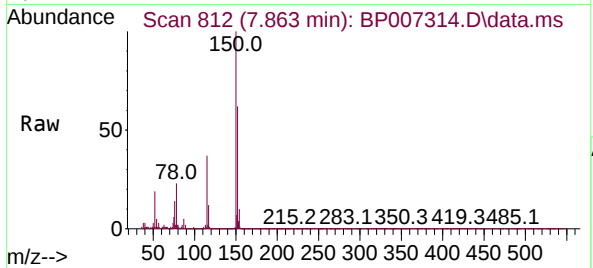




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 812
Delta R.T. 0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

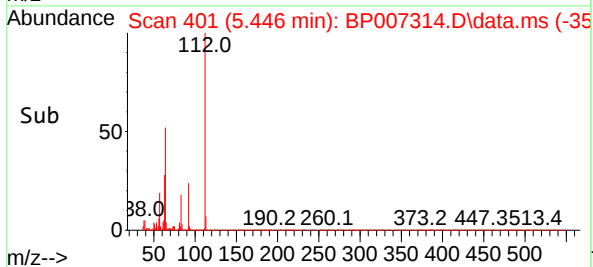
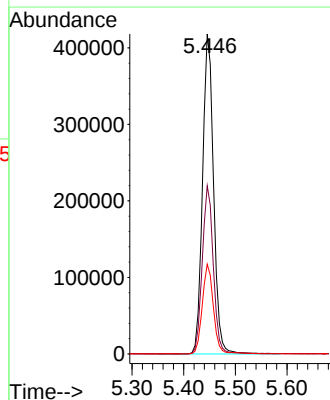
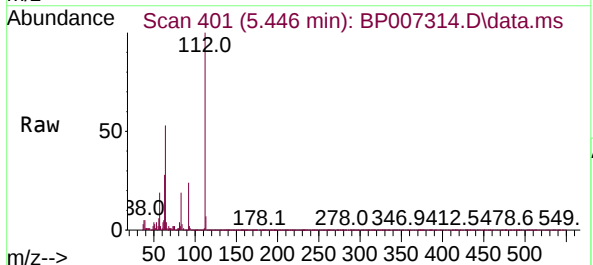
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BNA_P
ClientSampleId :
NB-08-100121

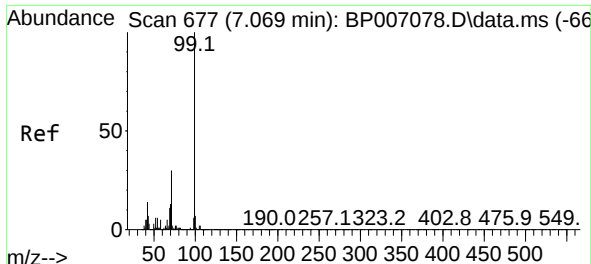
Tgt Ion:152 Resp: 221107
Ion Ratio Lower Upper
152 100
150 161.6 125.6 188.4
115 59.1 48.5 72.7



#5
2-Fluorophenol
Concen: 46.853 ng
RT: 5.446 min Scan# 401
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:112 Resp: 618868
Ion Ratio Lower Upper
112 100
64 52.6 41.4 62.2
63 28.1 23.8 35.8

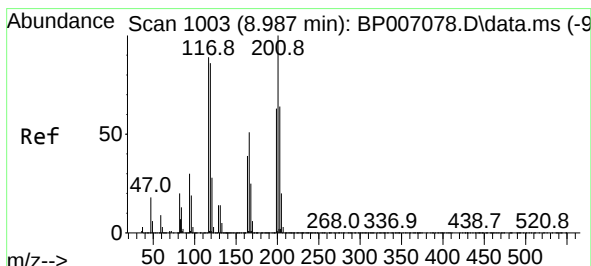
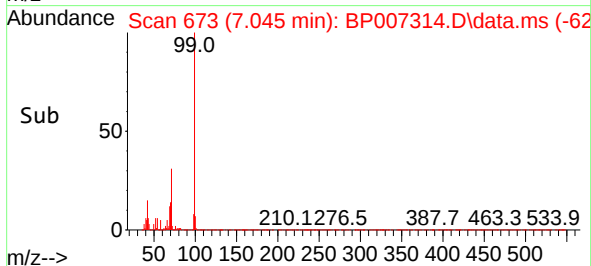
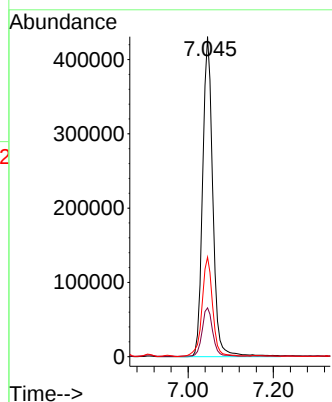
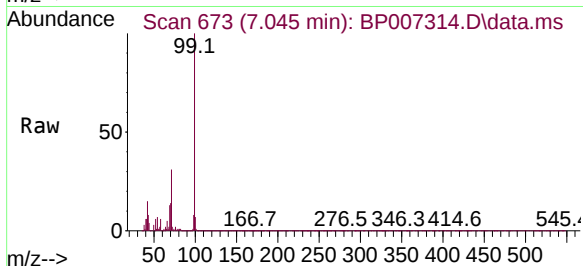




#7
Phenol-d6
Concen: 39.642 ng
RT: 7.045 min Scan# 673
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

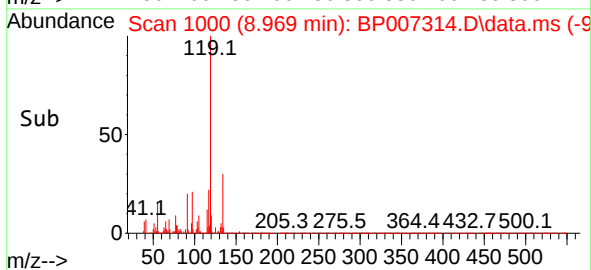
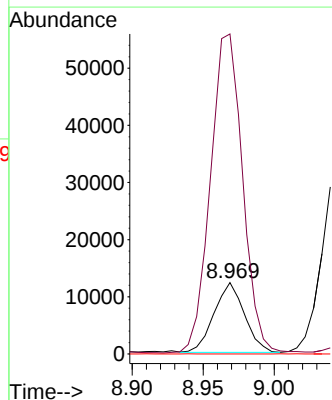
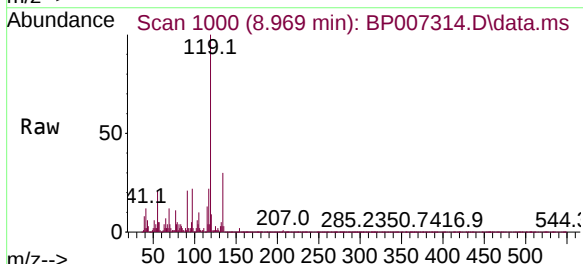
Instrument :
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ClientSampleId :
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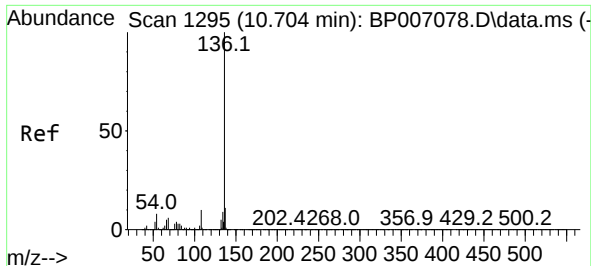
Tgt Ion:	99	Resp:	715654
Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.4	20.0
71	31.1	30.6	46.0



#18
Hexachloroethane
Concen: 3.262 ng
RT: 8.969 min Scan# 1000
Delta R.T. 0.029 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:	117	Resp:	18080
Ion	Ratio	Lower	Upper
117	100		
119	448.7	76.2	114.2#
201	0.0	83.4	125.0#

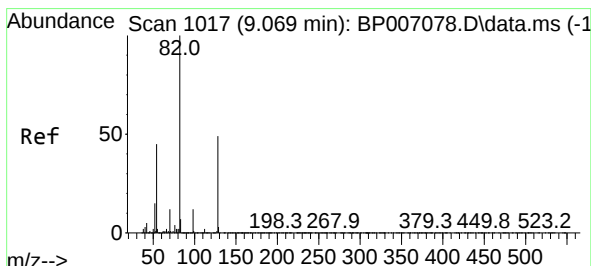
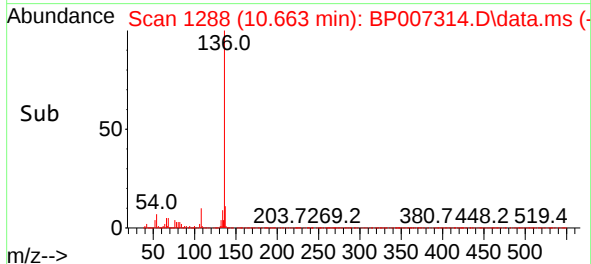
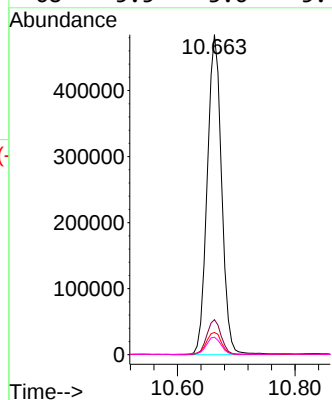
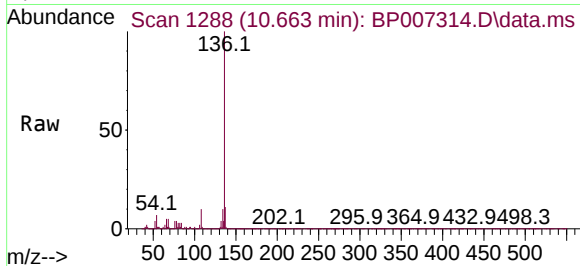




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

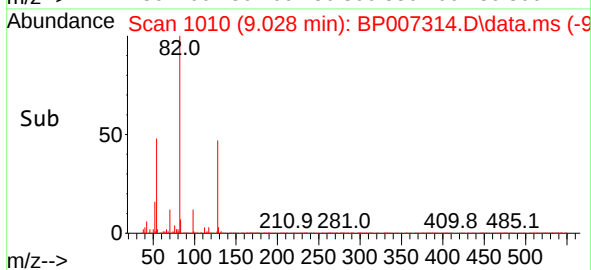
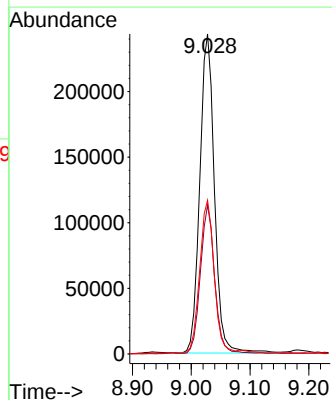
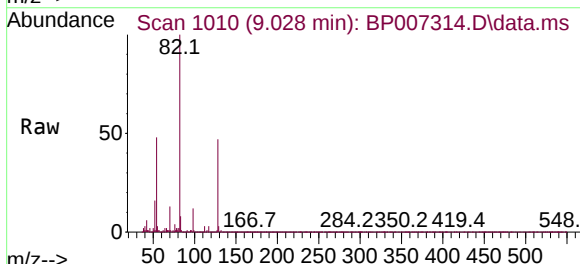
Instrument :
BNA_P
ClientSampleId :
NB-08-100121

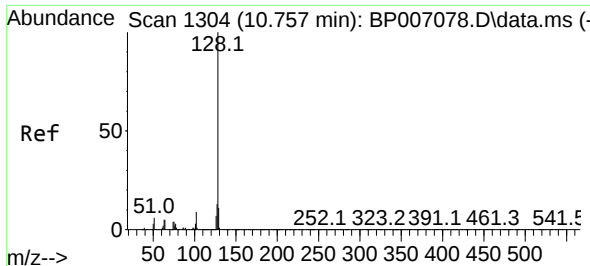
Tgt Ion:	136	Resp:	822014
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	12.8
54	7.0	4.6	6.8#
68	5.5	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 29.886 ng
RT: 9.028 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:	82	Resp:	421847
Ion Ratio	Lower	Upper	
82	100		
128	46.6	35.7	53.5
54	48.1	35.0	52.4

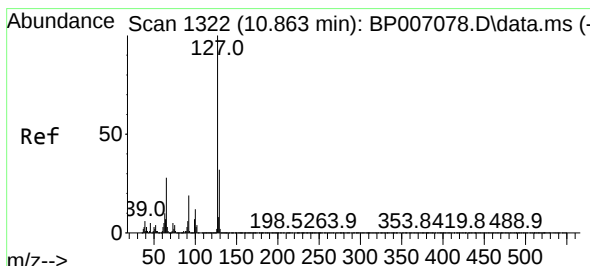
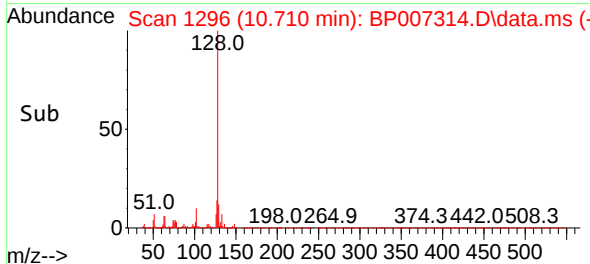
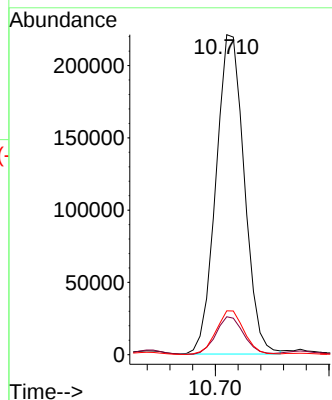
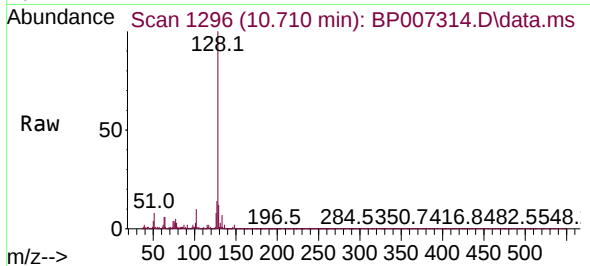




#31
Naphthalene
Concen: 9.142 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

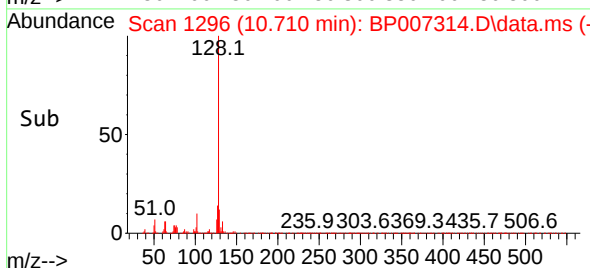
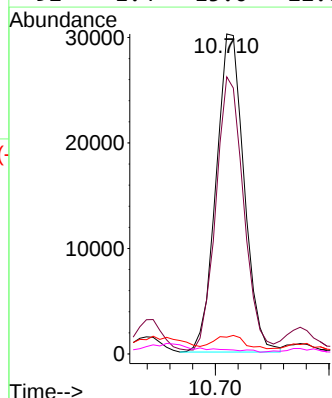
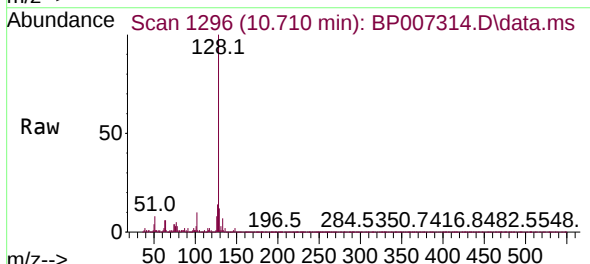
Instrument :
BNA_P
ClientSampleId :
NB-08-100121

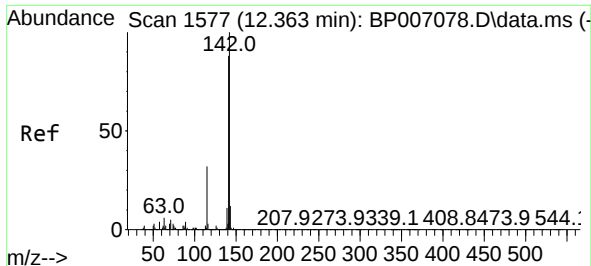
Tgt Ion:	128	Resp:	383544
Ion Ratio	Lower	Upper	
128	100		
129	11.9	9.0	13.6
127	13.7	10.7	16.1



#33
4-Chloroaniline
Concen: 2.976 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.124 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:	127	Resp:	51581
Ion Ratio	Lower	Upper	
127	100		
129	86.6	26.1	39.1#
65	5.3	22.5	33.7#
92	1.4	15.0	22.6#

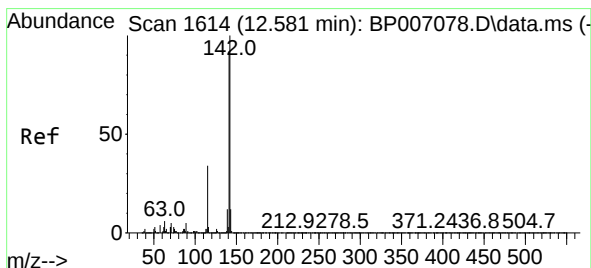
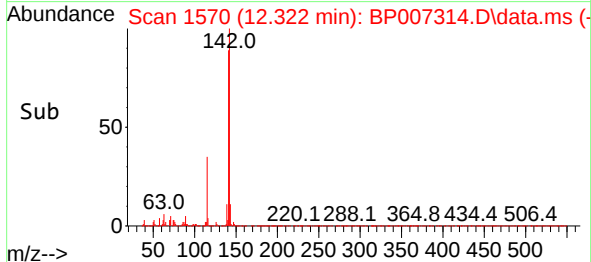
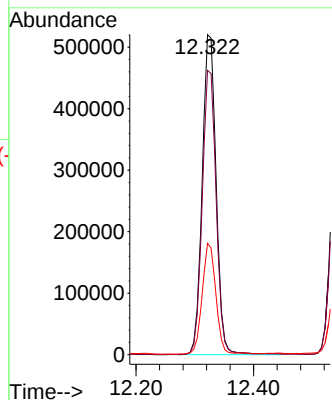
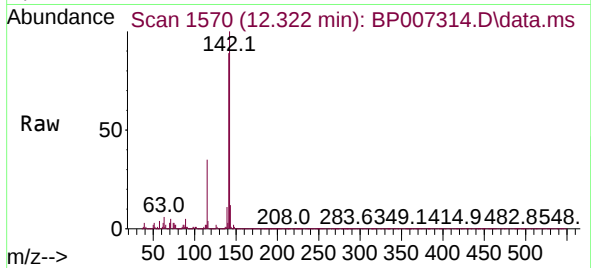




#37
2-Methylnaphthalene
Concen: 29.013 ng
RT: 12.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

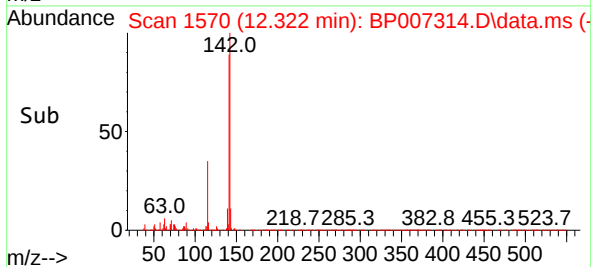
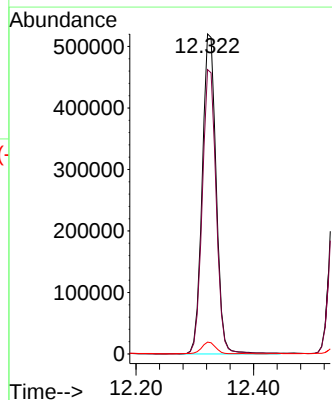
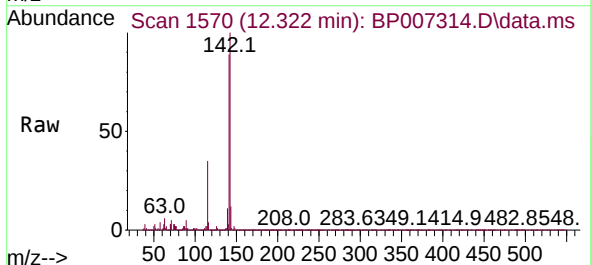
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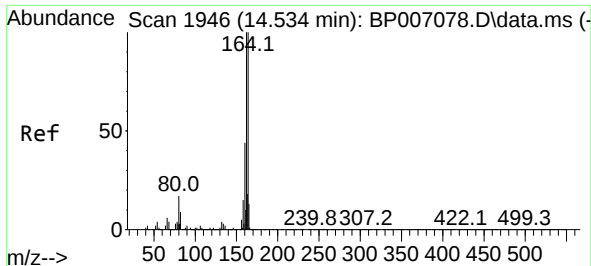
Tgt Ion:142 Resp: 852271
Ion Ratio Lower Upper
142 100
141 88.9 71.8 107.6
115 34.8 31.6 47.4



#38
1-Methylnaphthalene
Concen: 29.693 ng
RT: 12.322 min Scan# 1570
Delta R.T. -0.224 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:142 Resp: 852271
Ion Ratio Lower Upper
142 100
141 88.9 73.3 109.9
116 3.7 3.5 5.3

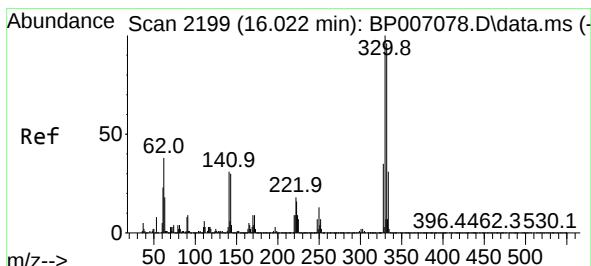
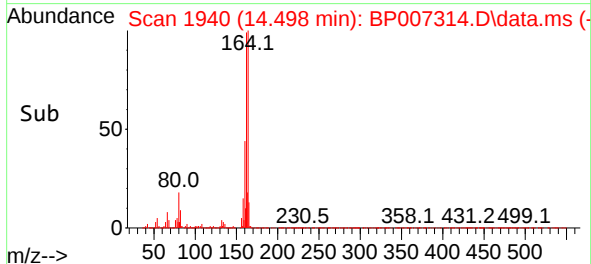
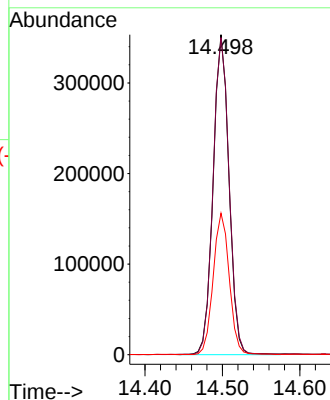
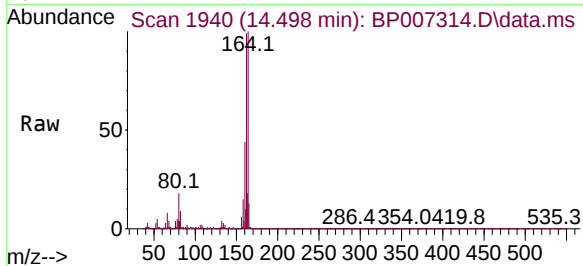




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

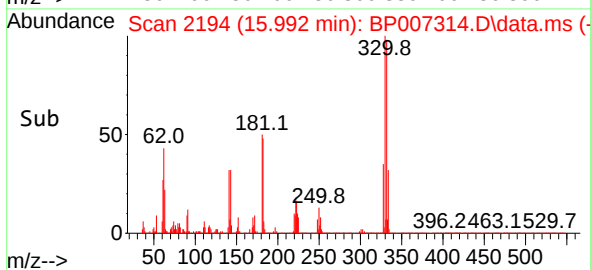
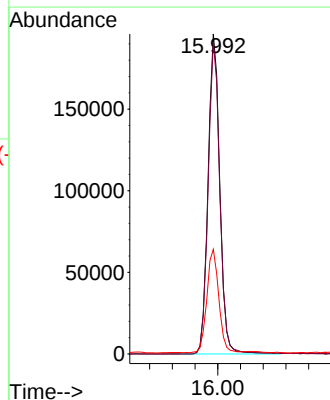
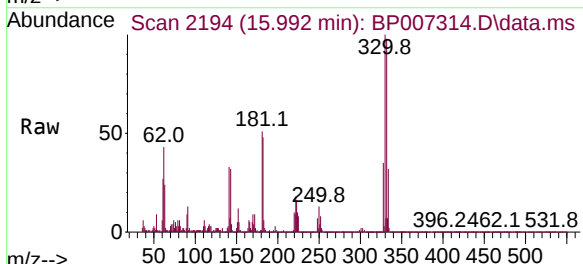
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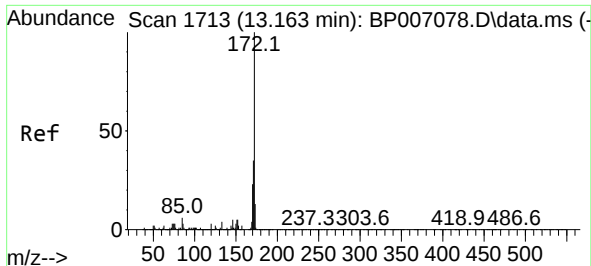
Tgt Ion:164 Resp: 501416
Ion Ratio Lower Upper
164 100
162 99.1 80.2 120.2
160 44.2 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 42.978 ng
RT: 15.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:330 Resp: 279383
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.8
141 32.9 25.4 38.2

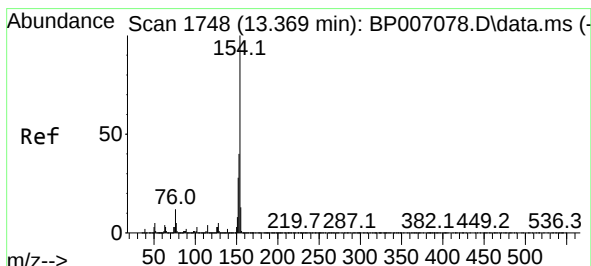
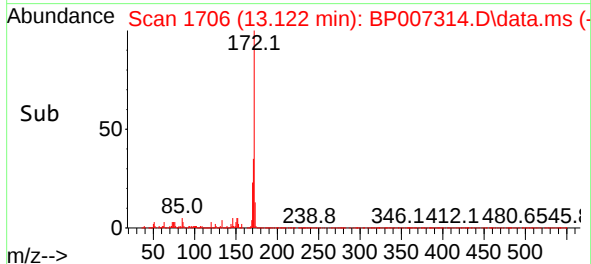
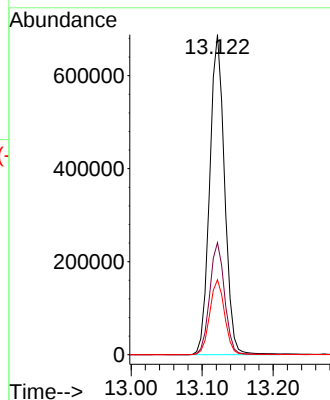
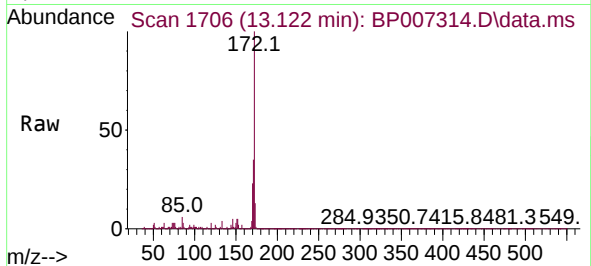




#45
2-Fluorobiphenyl
Concen: 28.665 ng
RT: 13.122 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

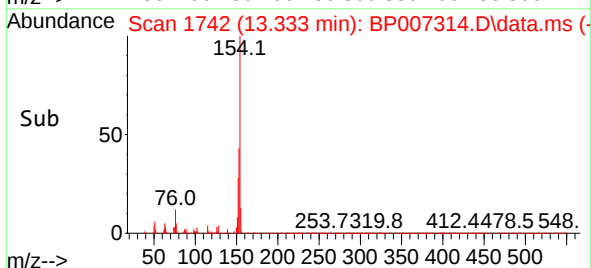
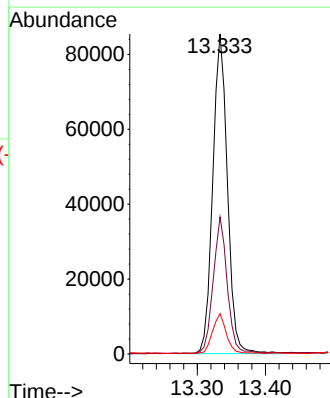
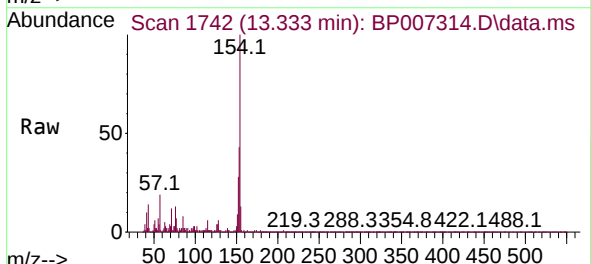
Instrument :
BNA_P
ClientSampleId :
NB-08-100121

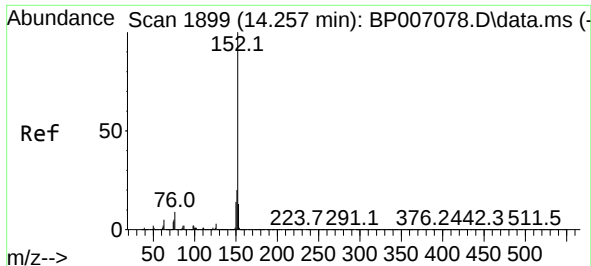
Tgt Ion:172 Resp: 1003267
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.4 18.6 27.8



#46
1,1'-Biphenyl
Concen: 3.428 ng
RT: 13.333 min Scan# 1742
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:154 Resp: 127863
Ion Ratio Lower Upper
154 100
153 42.8 20.4 60.4
76 12.6 0.0 30.8

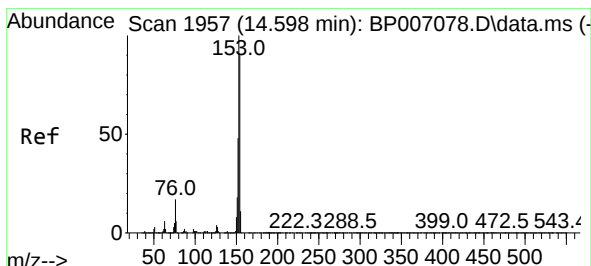
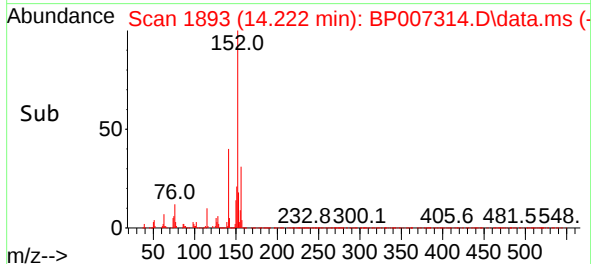
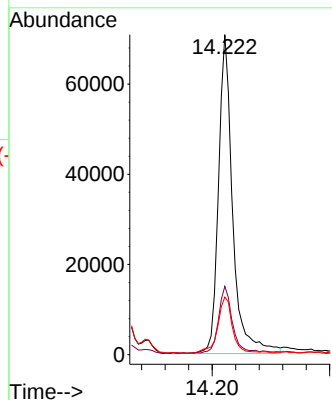
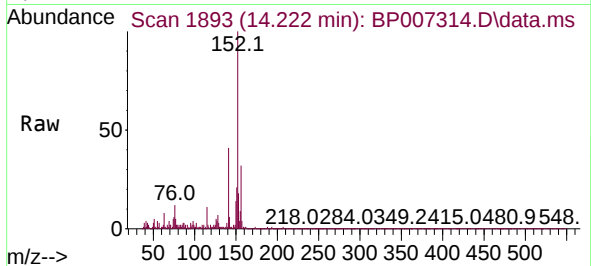




#49
Acenaphthylene
Concen: 2.666 ng
RT: 14.222 min Scan# 1893
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

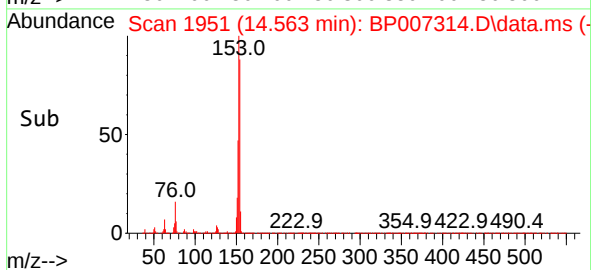
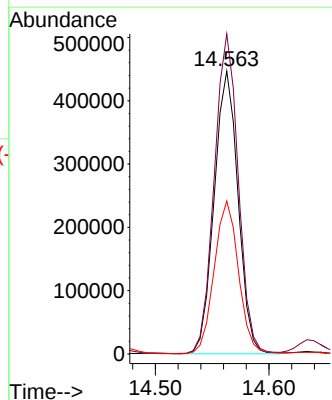
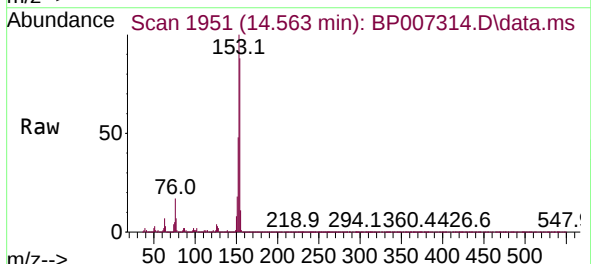
Instrument :
BNA_P
ClientSampleId :
NB-08-100121

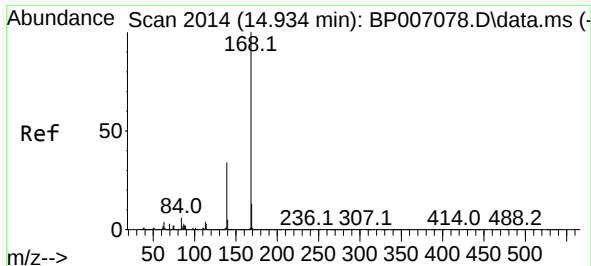
Tgt Ion:152 Resp: 118613
Ion Ratio Lower Upper
152 100
151 21.3 16.2 24.2
153 18.0 10.6 16.0#



#52
Acenaphthene
Concen: 24.253 ng
RT: 14.563 min Scan# 1951
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:154 Resp: 653864
Ion Ratio Lower Upper
154 100
153 113.1 89.4 134.2
152 54.1 43.0 64.4

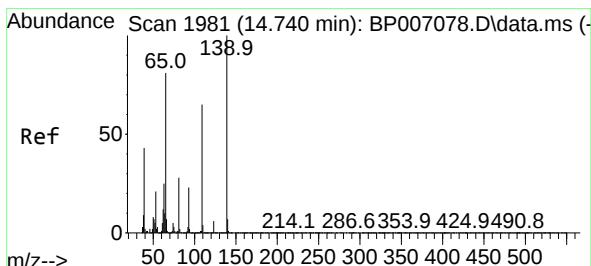
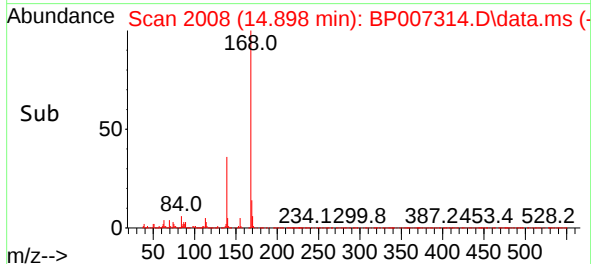
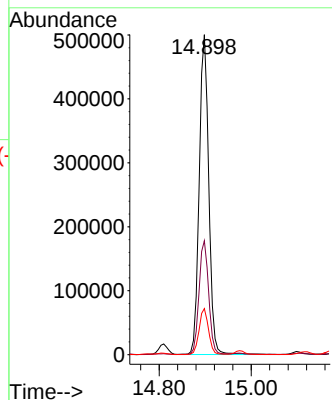
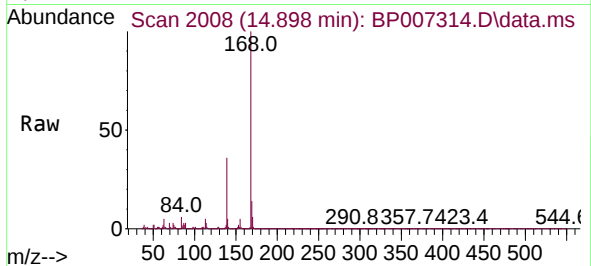




#55
Dibenzenofuran
Concen: 15.945 ng
RT: 14.898 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

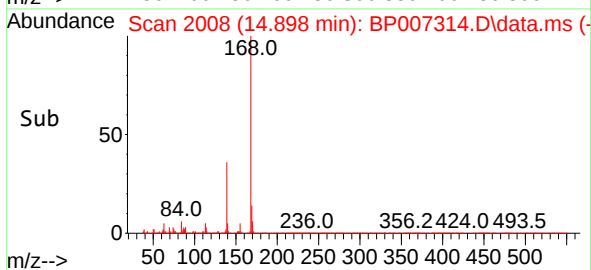
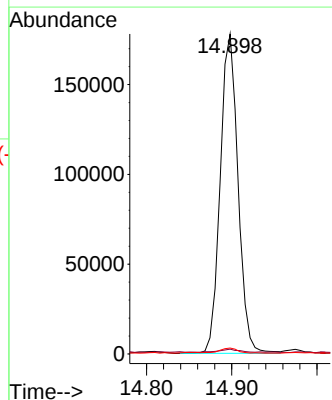
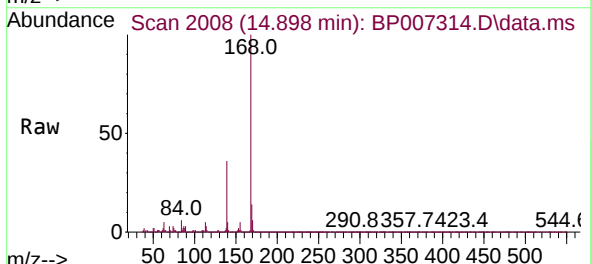
Instrument :
BNA_P
ClientSampleId :
NB-08-100121

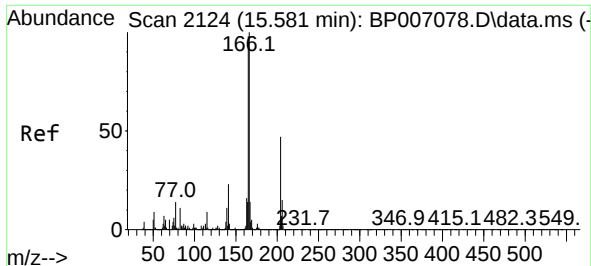
Tgt Ion:	168	Resp:	717209
Ion Ratio	Lower	Upper	
168	100		
139	35.6	31.0	46.6
169	14.4	10.8	16.2



#56
4-Nitrophenol
Concen: 39.880 ng
RT: 14.898 min Scan# 2008
Delta R.T. 0.159 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:	139	Resp:	257876
Ion Ratio	Lower	Upper	
139	100		
109	1.5	72.3	112.3#
65	1.8	72.5	112.5#

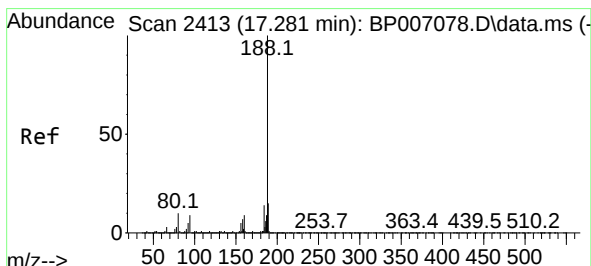
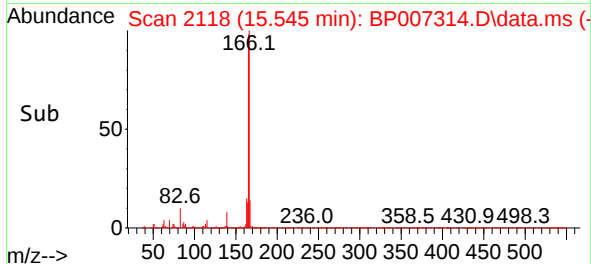
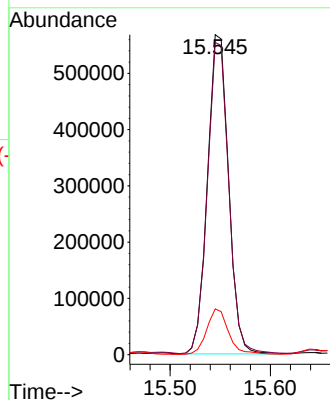
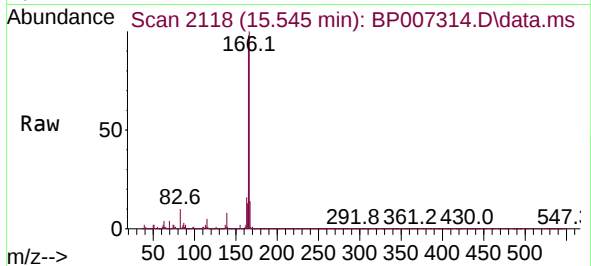




#58
Fluorene
Concen: 23.931 ng
RT: 15.545 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

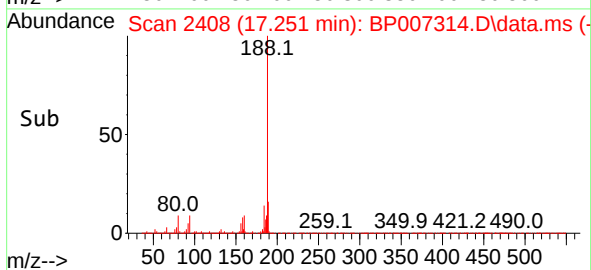
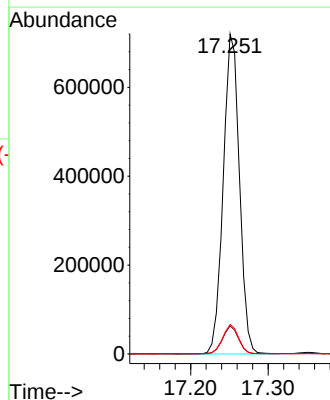
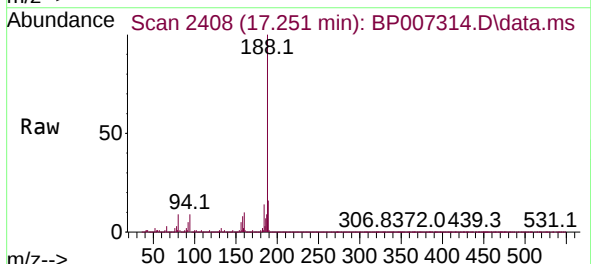
Instrument :
BNA_P
ClientSampleId :
NB-08-100121

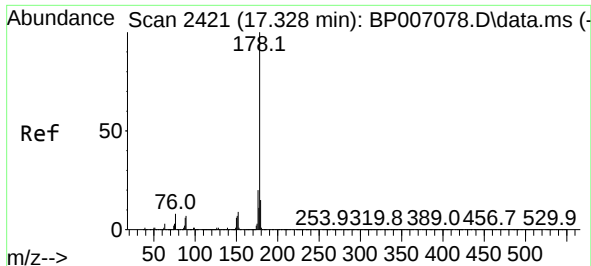
Tgt Ion:166 Resp: 831581
Ion Ratio Lower Upper
166 100
165 97.6 78.0 117.0
167 14.3 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:188 Resp: 1043835
Ion Ratio Lower Upper
188 100
94 8.8 5.6 8.4#
80 9.2 6.3 9.5

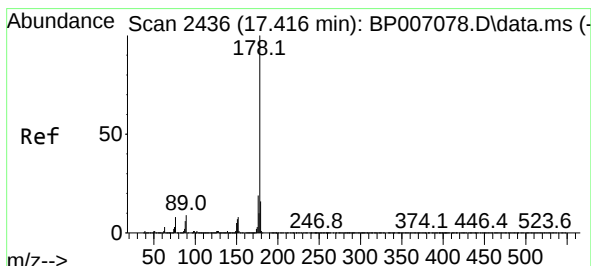
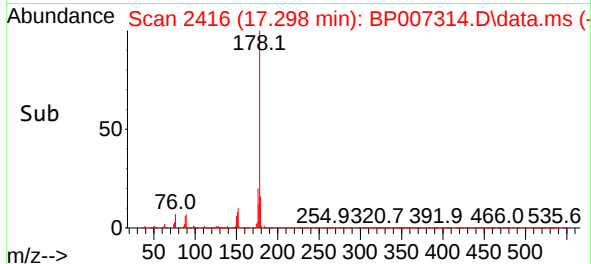
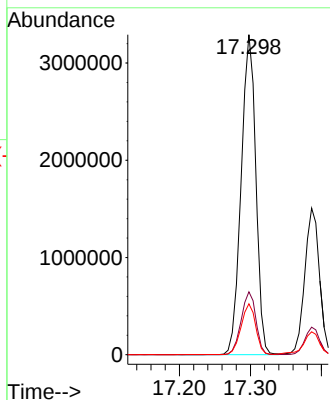
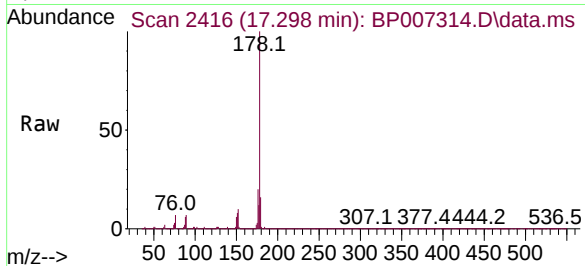




#71
Phenanthrene
Concen: 84.765 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

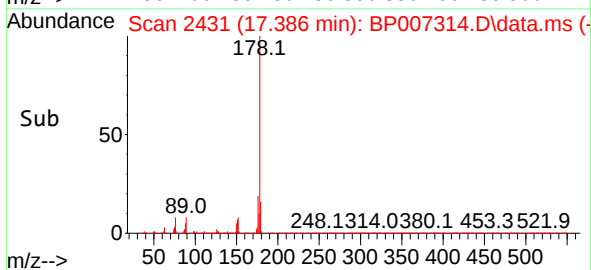
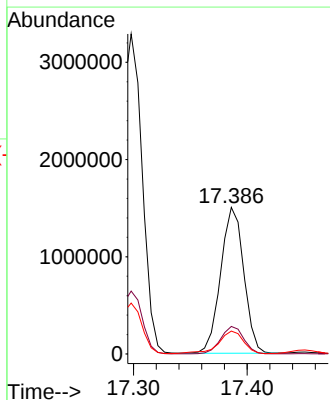
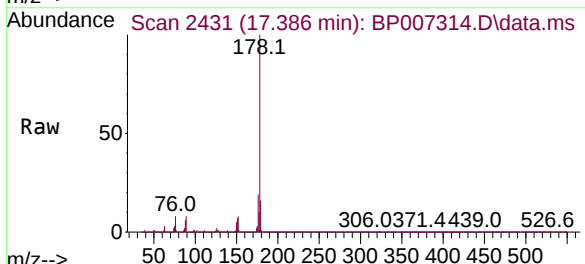
Instrument :
BNA_P
ClientSampleId :
NB-08-100121

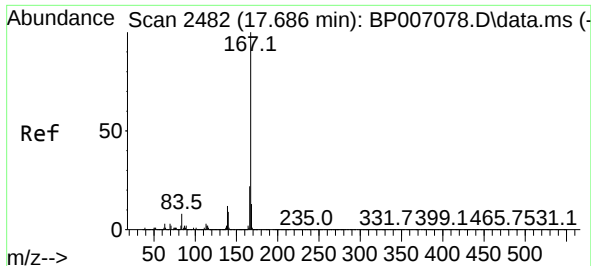
Tgt Ion:178 Resp: 4744287
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 15.9 12.4 18.6



#72
Anthracene
Concen: 38.870 ng
RT: 17.386 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:178 Resp: 2128192
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.6 12.2 18.2

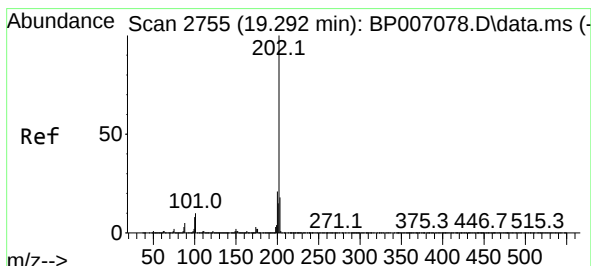
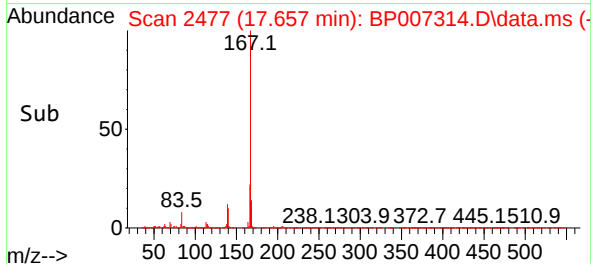
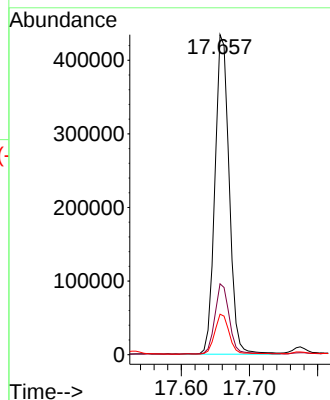
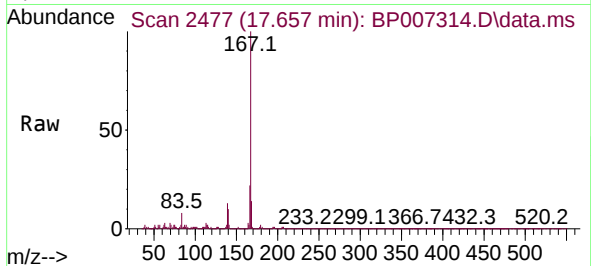




#73
Carbazole
Concen: 11.794 ng
RT: 17.657 min Scan# 2477
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

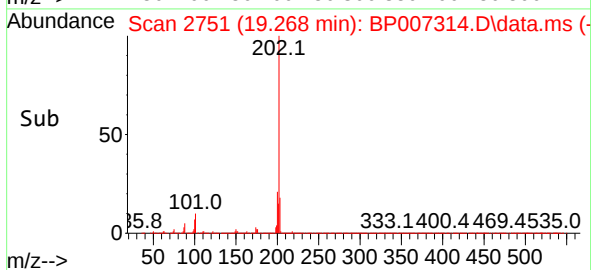
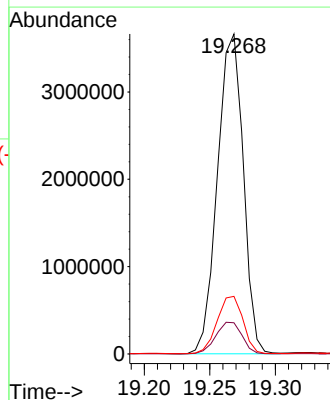
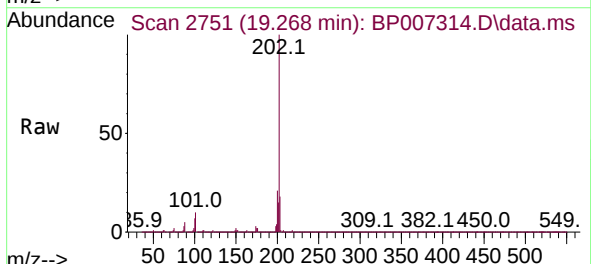
Instrument :
BNA_P
ClientSampleId :
NB-08-100121

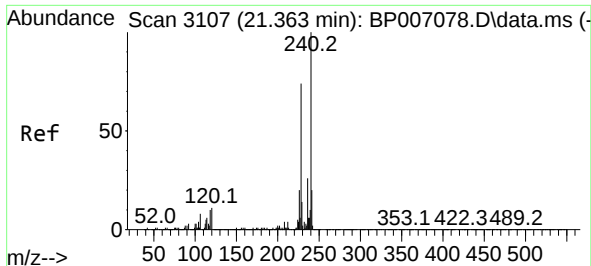
Tgt Ion:167 Resp: 632788
Ion Ratio Lower Upper
167 100
166 22.1 17.1 25.7
139 12.7 10.7 16.1



#75
Fluoranthene
Concen: 77.704 ng
RT: 19.268 min Scan# 2751
Delta R.T. 0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:202 Resp: 5010656
Ion Ratio Lower Upper
202 100
101 9.8 0.0 27.6
203 18.0 0.0 37.8

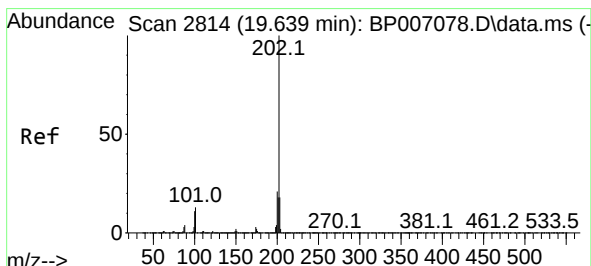
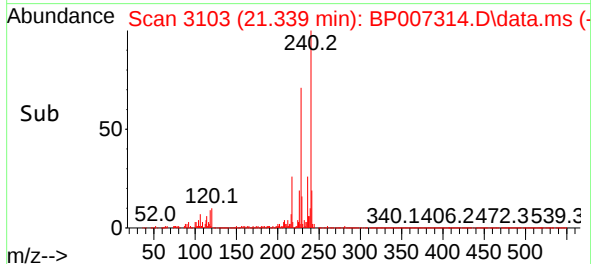
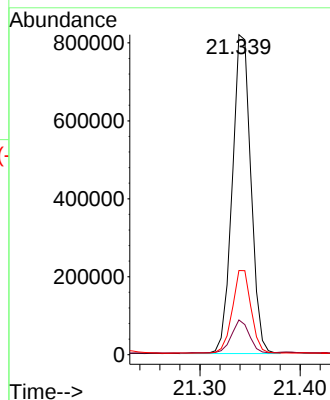
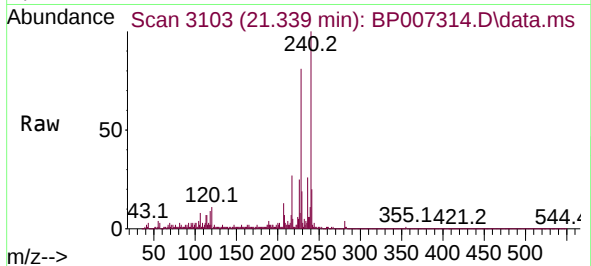




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

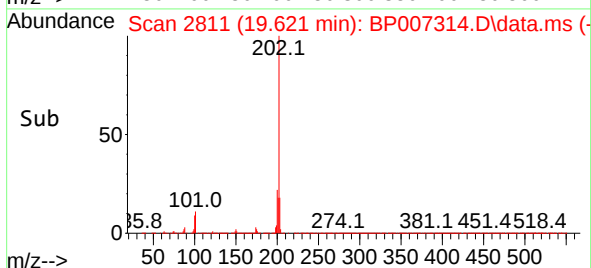
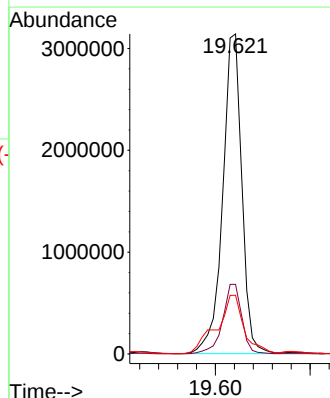
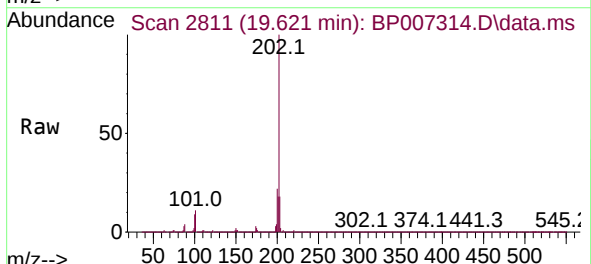
Instrument :
BNA_P
ClientSampleId :
NB-08-100121

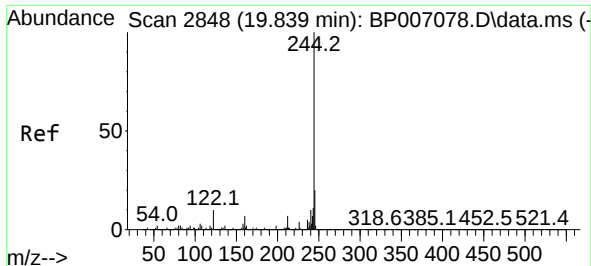
Tgt Ion:240 Resp: 1058395
Ion Ratio Lower Upper
240 100
120 10.9 6.5 9.7#
236 26.3 20.6 31.0



#78
Pyrene
Concen: 63.387 ng
RT: 19.621 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:202 Resp: 4401612
Ion Ratio Lower Upper
202 100
200 21.8 16.3 24.5
203 18.4 14.2 21.2

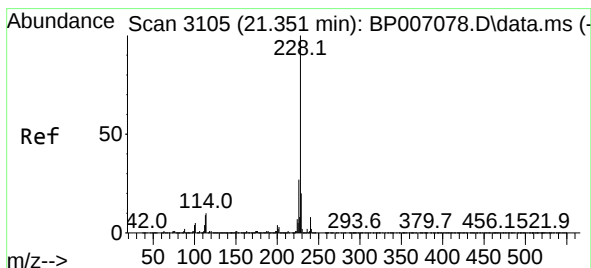
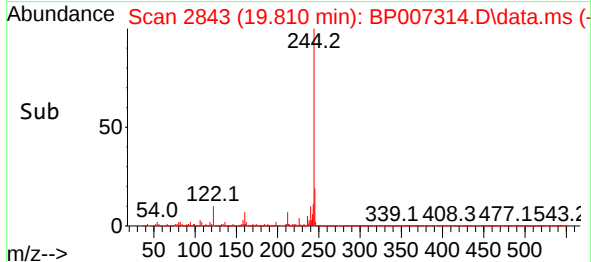
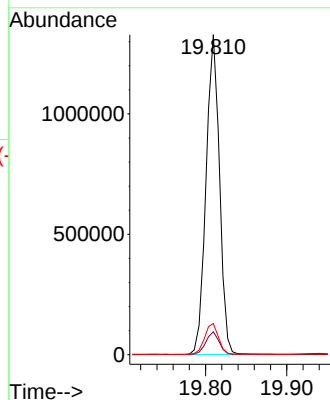
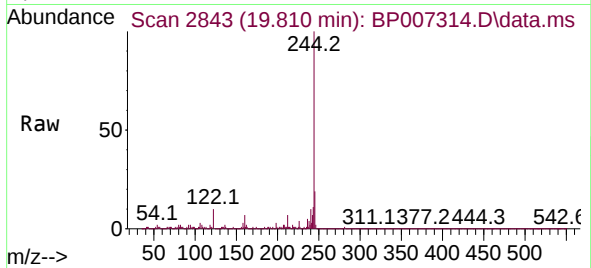




#79
Terphenyl-d14
Concen: 27.562 ng
RT: 19.810 min Scan# 2843
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

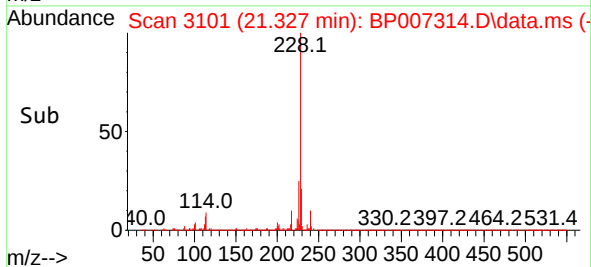
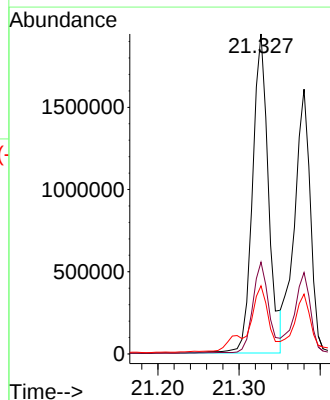
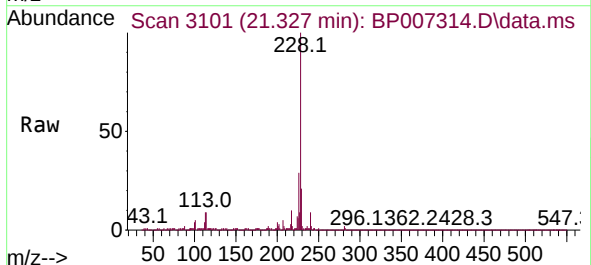
Instrument :
BNA_P
ClientSampleId :
NB-08-100121

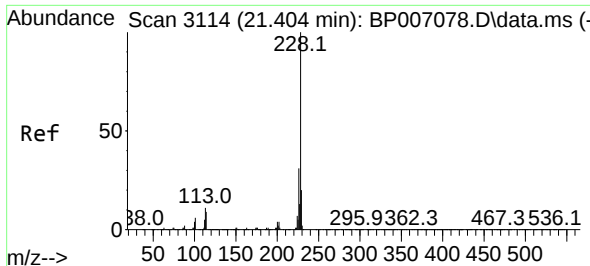
Tgt Ion:244 Resp: 1522315
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 9.8 7.1 10.7



#81
Benzo(a)anthracene
Concen: 38.735 ng
RT: 21.327 min Scan# 3101
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:228 Resp: 2661080
Ion Ratio Lower Upper
228 100
226 28.7 21.6 32.4
229 21.3 15.8 23.6



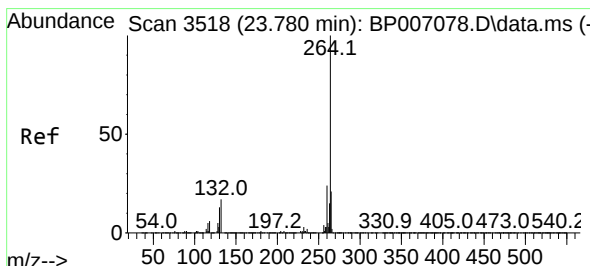
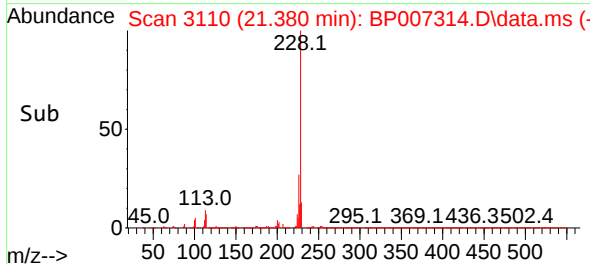
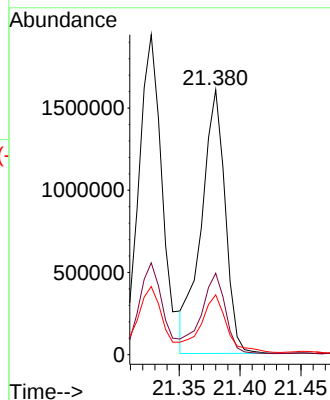
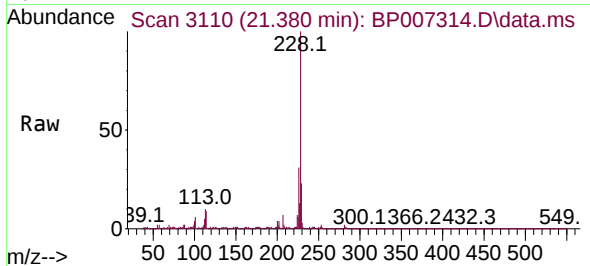


#83
Chrysene
Concen: 33.265 ng
RT: 21.380 min Scan# 3110
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

Tgt Ion:228 Resp: 2184125

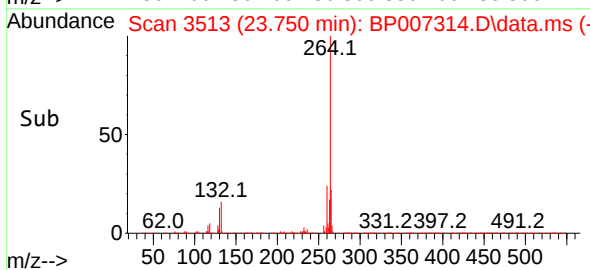
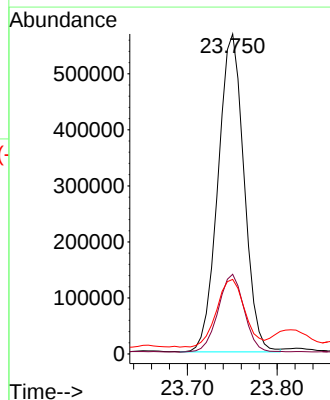
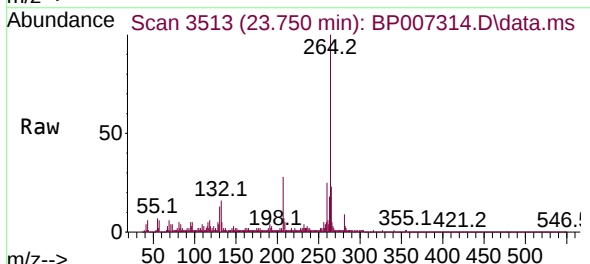
Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.8	35.6
229	22.6	15.4	23.2

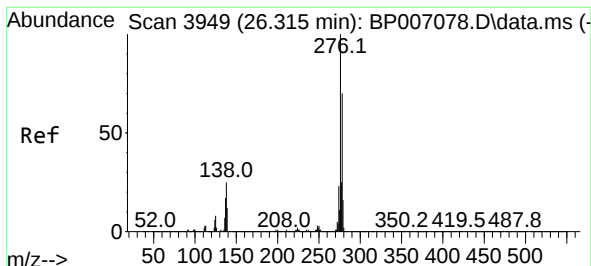


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.750 min Scan# 3513
Delta R.T. 0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:264 Resp: 1140090

Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.6	28.0
265	23.3	17.6	26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.096 ng

RT: 26.274 min Scan# 3942

Delta R.T. 0.006 min

Lab File: BP007314.D

Acq: 04 Oct 2021 20:20

Instrument :

BNA_P

ClientSampleId :

NB-08-100121

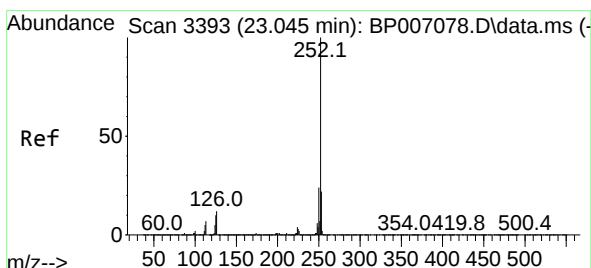
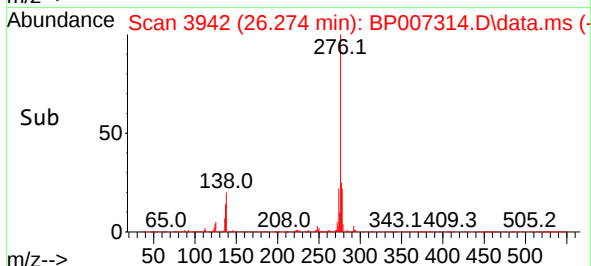
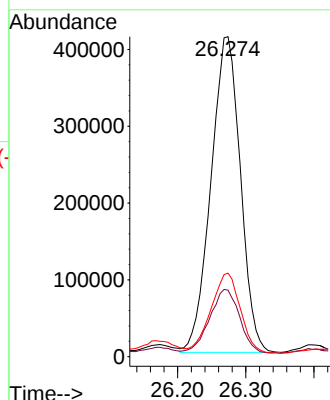
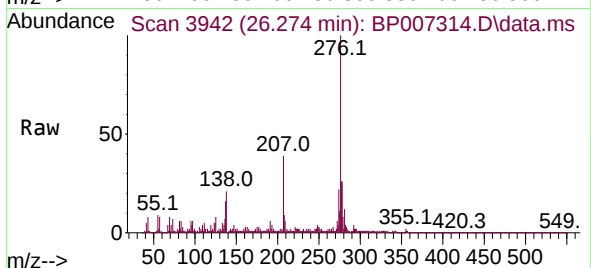
Tgt Ion:276 Resp: 1236861

Ion Ratio Lower Upper

276 100

138 20.8 15.3 22.9

277 25.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 39.490 ng

RT: 23.015 min Scan# 3388

Delta R.T. 0.006 min

Lab File: BP007314.D

Acq: 04 Oct 2021 20:20

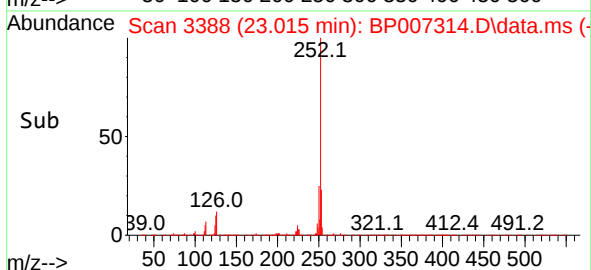
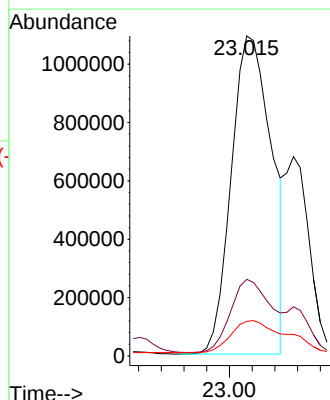
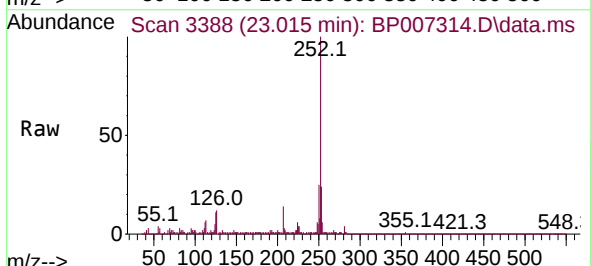
Tgt Ion:252 Resp: 2690573

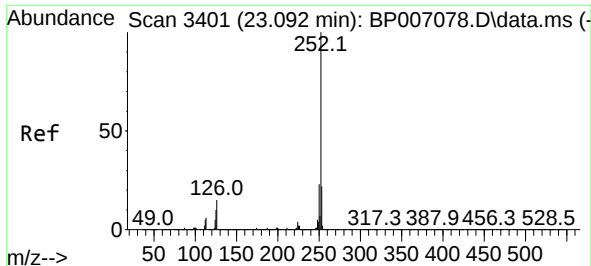
Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 10.8 6.2 9.4#

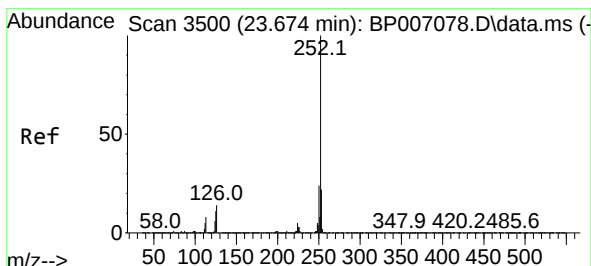
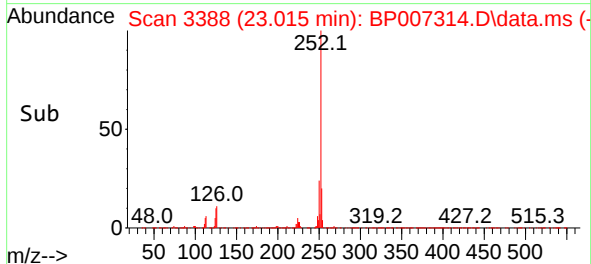
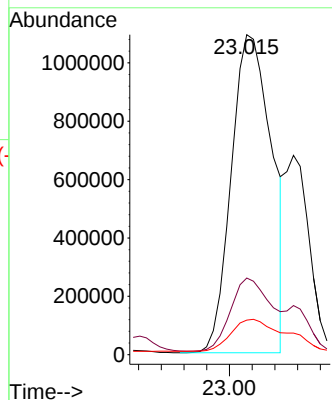
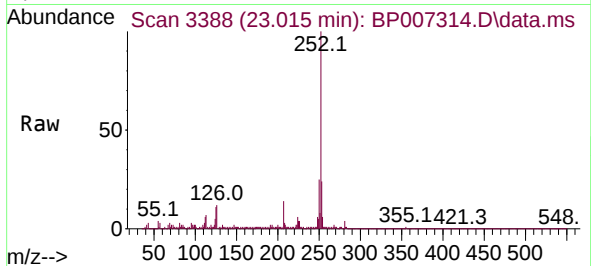




#89
Benzo(k)fluoranthene
Concen: 39.003 ng
RT: 23.015 min Scan# 3388
Delta R.T. -0.041 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

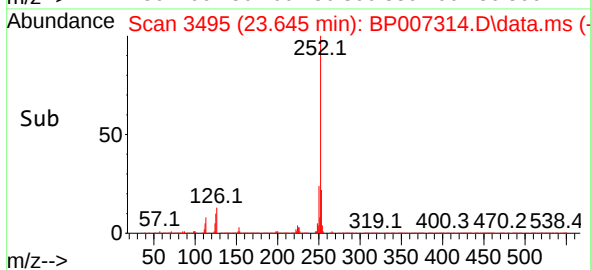
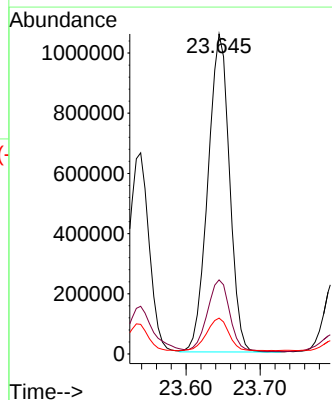
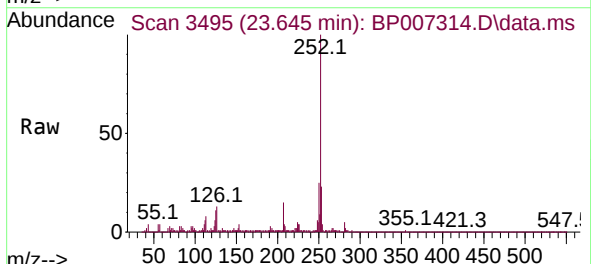
Instrument :
BNA_P
ClientSampleId :
NB-08-100121

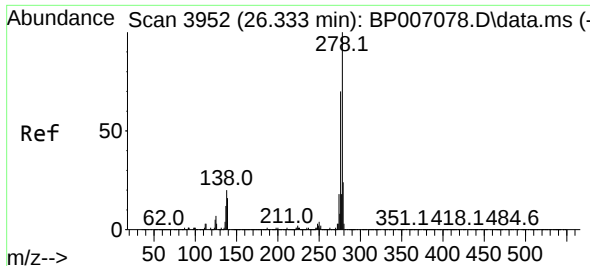
Tgt Ion:252 Resp: 2690573
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 10.8 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 36.926 ng
RT: 23.645 min Scan# 3495
Delta R.T. 0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:252 Resp: 2137472
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 11.2 6.5 9.7#

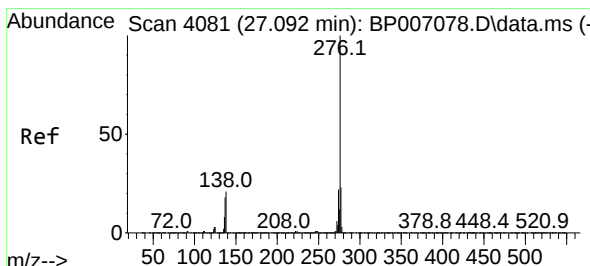
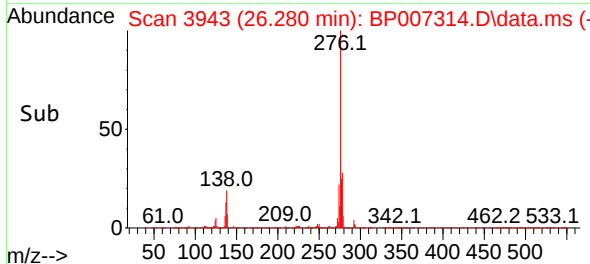
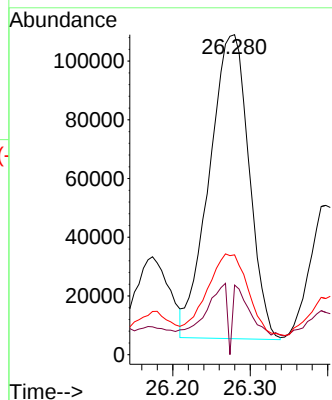
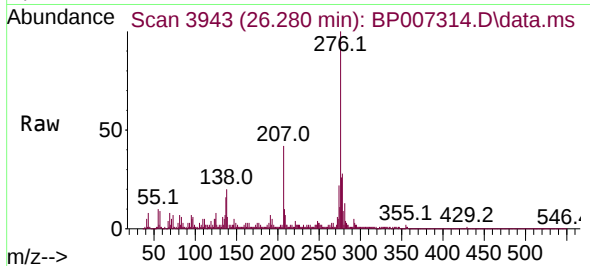




#91
Dibenzo(a,h)anthracene
Concen: 5.372 ng
RT: 26.280 min Scan# 3943
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

Tgt Ion:278 Resp: 368879
Ion Ratio Lower Upper
278 100
139 21.8 9.3 13.9#
279 31.2 18.8 28.2#



#92
Benzo(g,h,i)perylene
Concen: 17.220 ng
RT: 27.050 min Scan# 4074
Delta R.T. 0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

Tgt Ion:276 Resp: 1153816
Ion Ratio Lower Upper
276 100
277 25.0 18.9 28.3
138 21.8 12.6 18.8#

