

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
 Data File : BP008355.D
 Acq On : 10 Dec 2021 23:22
 Operator : CG/JU
 Sample : M4989-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 P5-COMP

Quant Time: Dec 11 04:02:30 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 03:53:01 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 12/11/2021
 Supervised By : Jagrut Upadhyay 12/13/2021

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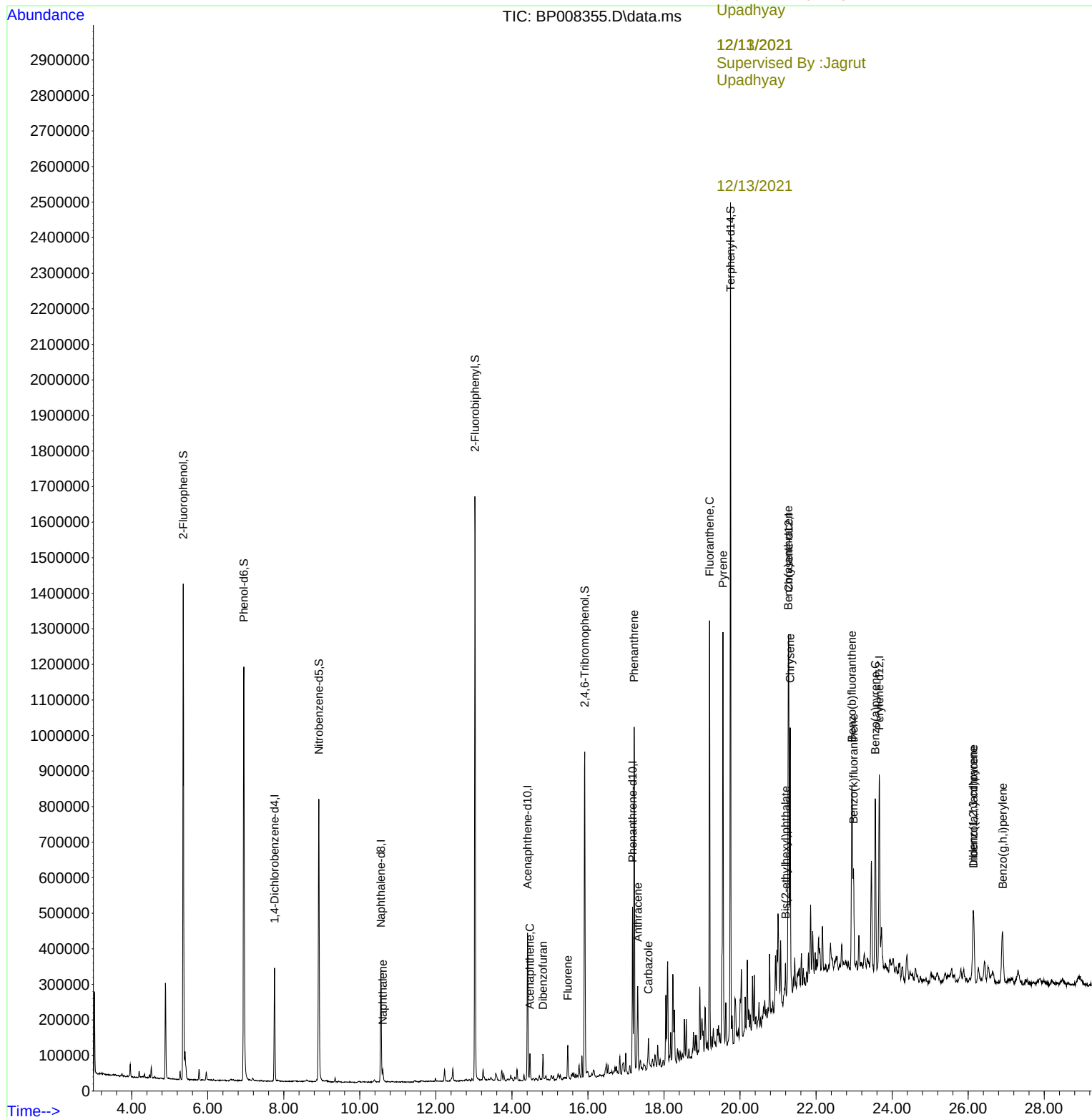
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	80022	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	247127	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	135333	20.000	ng	0.00
64) Phenanthrene-d10	17.175	188	257937	20.000	ng	0.00
76) Chrysene-d12	21.280	240	317539	20.000	ng	0.00
86) Perylene-d12	23.663	264	410471	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	550705	110.805	ng	0.00
7) Phenol-d6	6.952	99	657368	97.980	ng	0.00
23) Nitrobenzene-d5	8.922	82	467668	86.054	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	170203	98.396	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	815775	87.558	ng	0.00
79) Terphenyl-d14	19.751	244	1043927	68.707	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.604	128	27172	2.146	ng	99
52) Acenaphthene	14.475	154	24645	3.457	ng	96
55) Dibenzofuran	14.816	168	37569	3.084	ng	99
58) Fluorene	15.469	166	39849	4.026	ng	97
71) Phenanthrene	17.216	178	558438	41.006	ng	99
72) Anthracene	17.310	178	124235	9.192	ng	99
73) Carbazole	17.592	167	49376	3.743	ng	96
75) Fluoranthene	19.198	202	666347	36.321	ng	99
78) Pyrene	19.551	202	690274	33.874	ng	99
81) Benzo(a)anthracene	21.269	228	438965	20.858	ng	98
83) Chrysene	21.322	228	397204	19.834	ng	97
84) Bis(2-ethylhexyl)phtha...	21.198	149	27521	2.005	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.133	276	212717	7.123	ng	# 95
88) Benzo(b)fluoranthene	22.945	252	487779	19.712	ng	99
89) Benzo(k)fluoranthene	22.986	252	153601m	6.340	ng	
90) Benzo(a)pyrene	23.557	252	382056	18.065	ng	98
91) Dibenzo(a,h)anthracene	26.139	278	68814	2.775	ng	# 93
92) Benzo(g,h,i)perylene	26.909	276	203141	8.119	ng	97

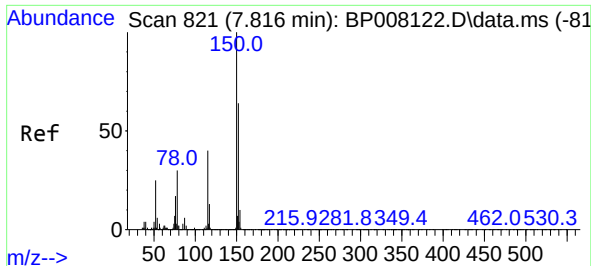
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Manual Integrations

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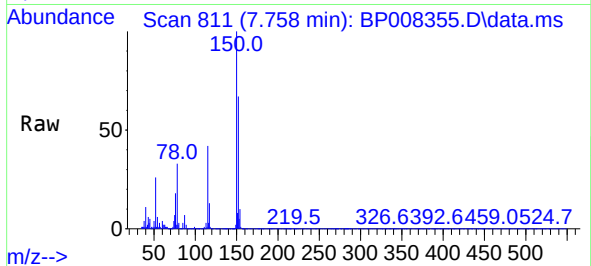
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Instrument :
BNA_P
ClientSampleId :
P5-COMP



Tgt Ion:152 Resp: 8002
Ion Ratio Lower Upper
152 100
150 150.4 125.7 188.5
115 63.1 50.7 76.1

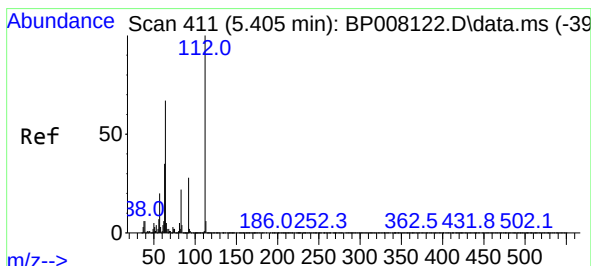
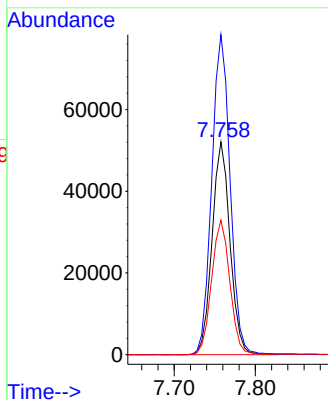
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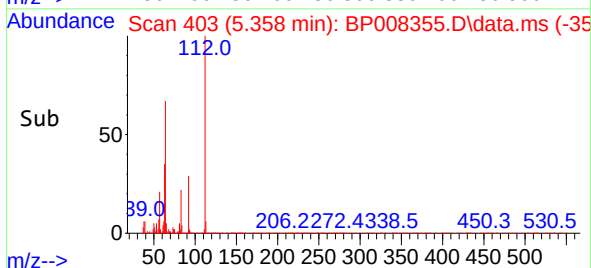
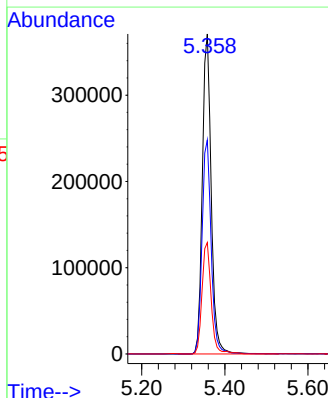
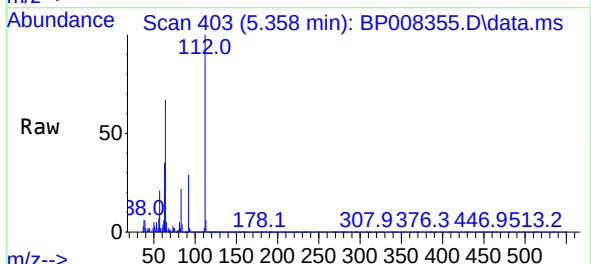
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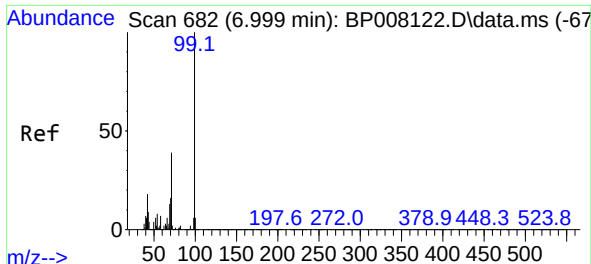
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#5
2-Fluorophenol
Concen: 110.805 ng
RT: 5.358 min Scan# 403
Delta R.T. 0.000 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

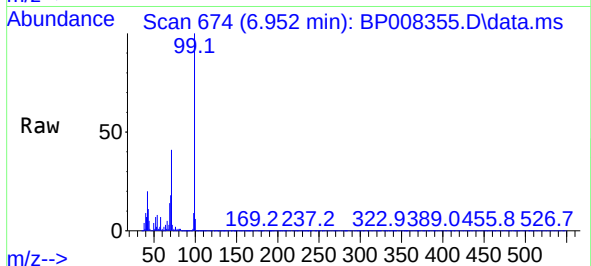
Tgt Ion:112 Resp: 550705
Ion Ratio Lower Upper
112 100
64 66.8 53.4 80.2
63 34.8 27.8 41.8





#7
Phenol-d6
Concen: 97.980 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Instrument :
BNA_P
ClientSampleId :
P5-COMP



Tgt Ion: 99 Resp: 65736
Ion Ratio Lower Upper
99 100
42 19.7 14.6 22.0
71 41.3 31.1 46.7

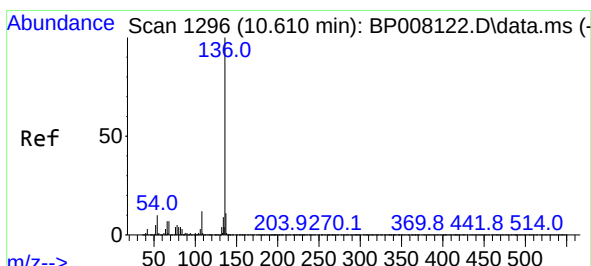
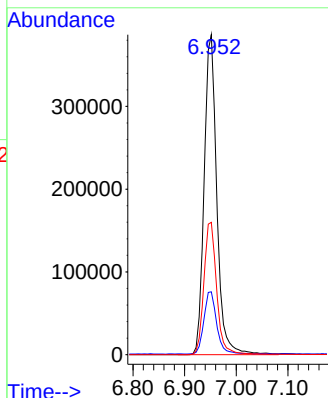
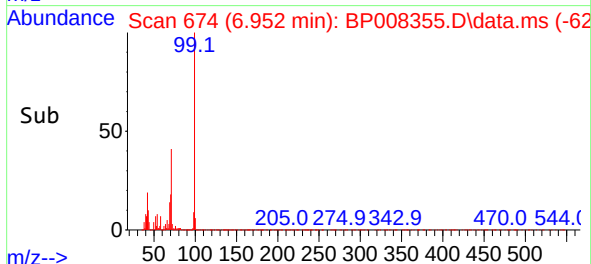
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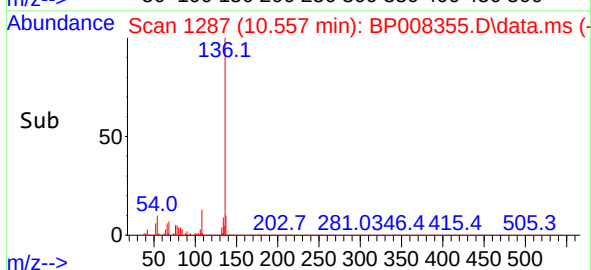
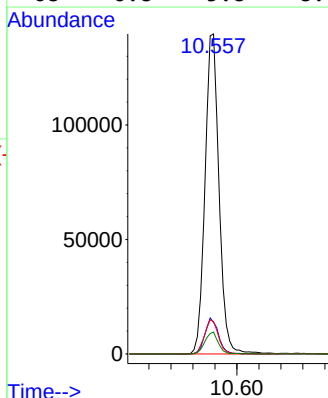
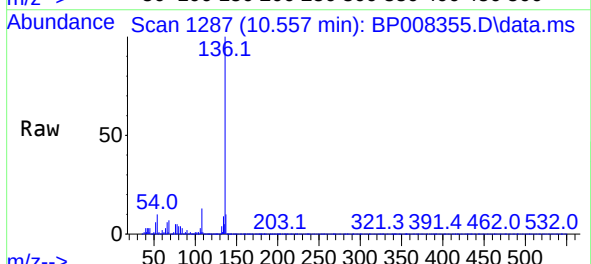
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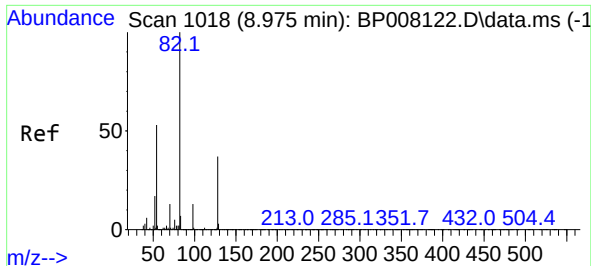
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:136 Resp: 247127
Ion Ratio Lower Upper
136 100
137 9.9 9.0 13.6
54 10.1 8.2 12.4
68 6.8 5.8 8.8





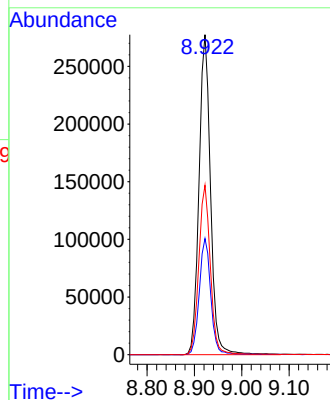
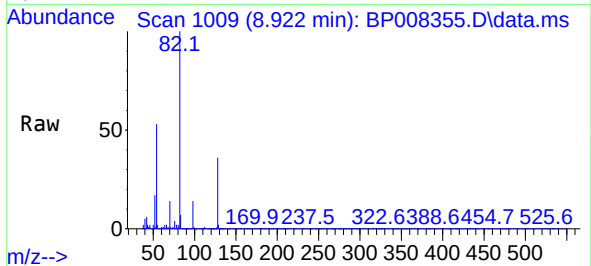
#23
Nitrobenzene-d5
Concen: 86.054 ng
RT: 8.922 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Instrument :
BNA_P
ClientSampleId :
P5-COMP

Tgt Ion: 82 Resp: 46766
Ion Ratio Lower Upper
82 100
128 36.3 29.6 44.4
54 52.9 42.7 64.1

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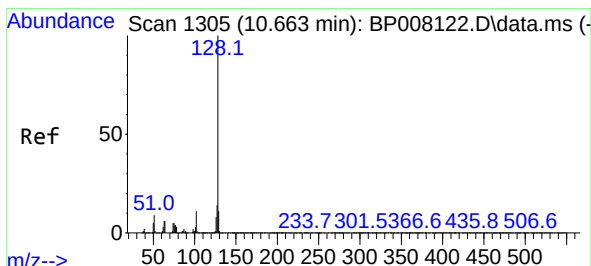
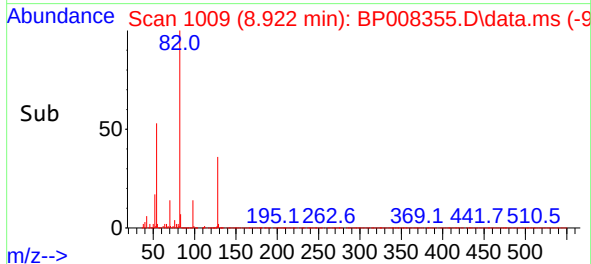
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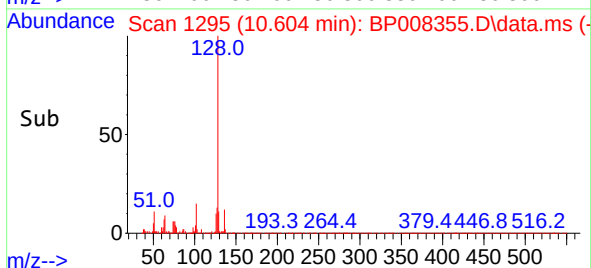
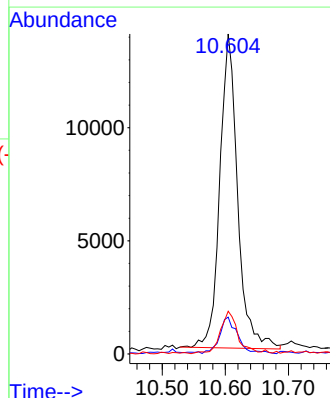
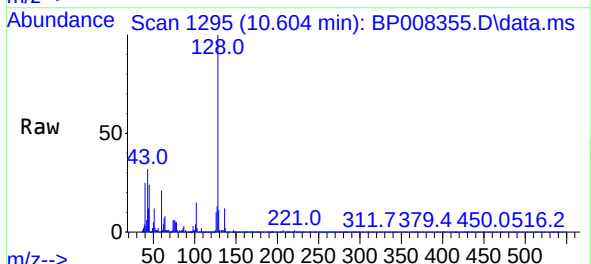
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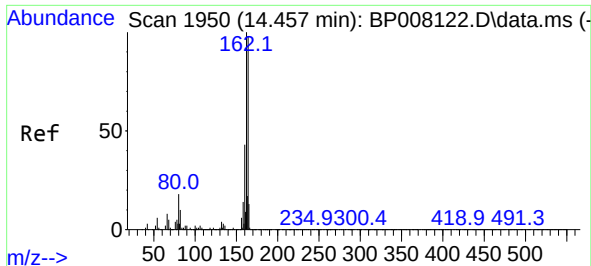
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#31
Naphthalene
Concen: 2.146 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:128 Resp: 27172
Ion Ratio Lower Upper
128 100
129 11.5 8.5 12.7
127 13.4 10.9 16.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Instrument :

BNA_P

ClientSampleId :

P5-COMP

Tgt Ion:164 Resp: 13533
Ion Ratio Lower Upper
164 100
162 97.4 81.9 122.9
160 43.8 35.4 53.0

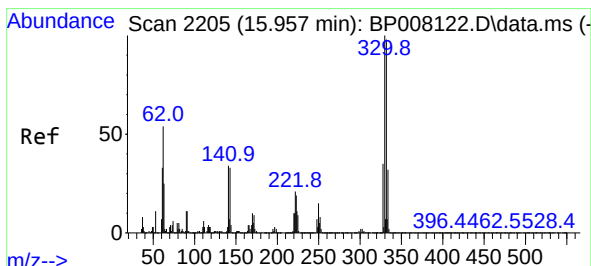
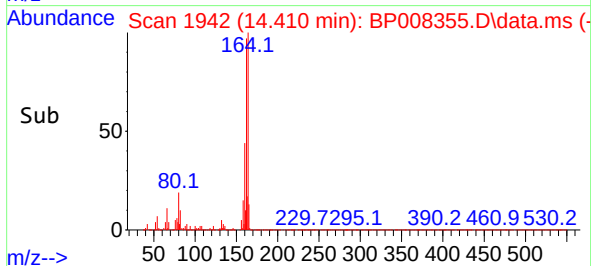
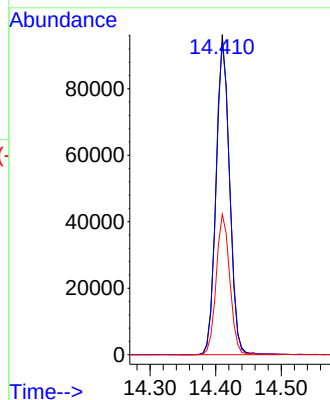
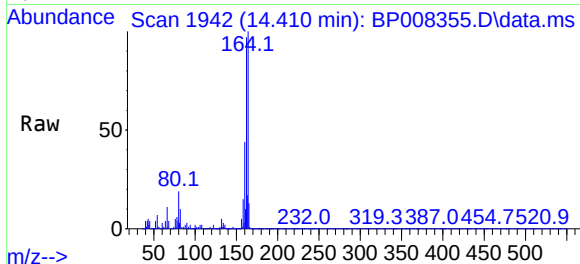
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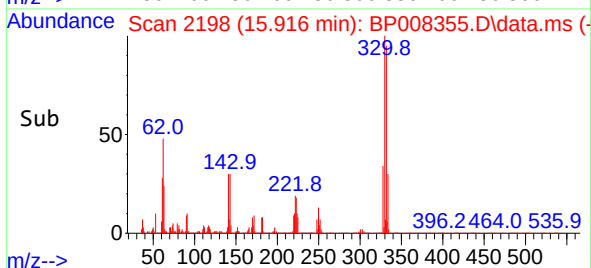
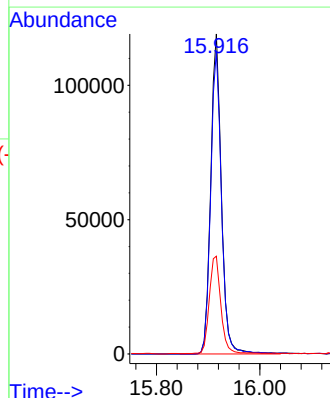
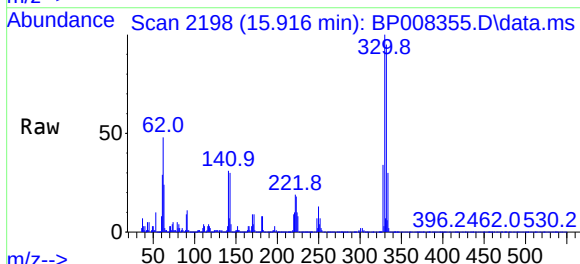
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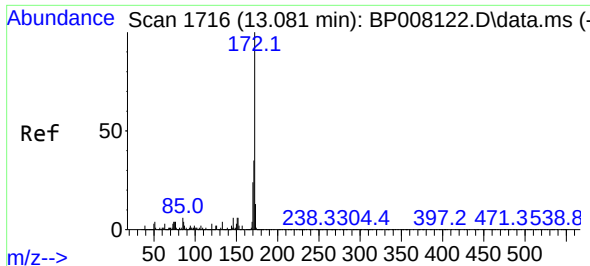
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#42
2,4,6-Tribromophenol
Concen: 98.396 ng
RT: 15.916 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

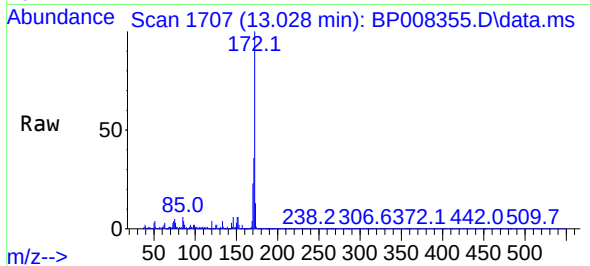
Tgt Ion:330 Resp: 170203
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.4
141 33.3 28.4 42.6





#45
2-Fluorobiphenyl
Concen: 87.558 ng
RT: 13.028 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Instrument :
BNA_P
ClientSampleId :
P5-COMP



Tgt Ion:172 Resp: 815775
Ion Ratio Lower Upper
172 100
171 35.5 28.0 42.0
170 23.3 18.9 28.3

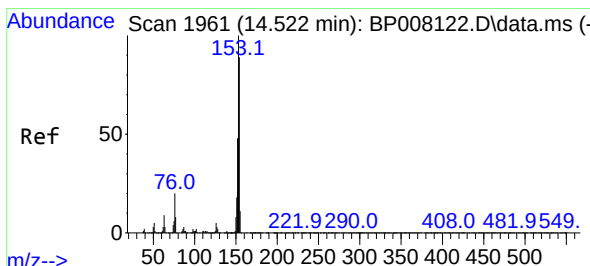
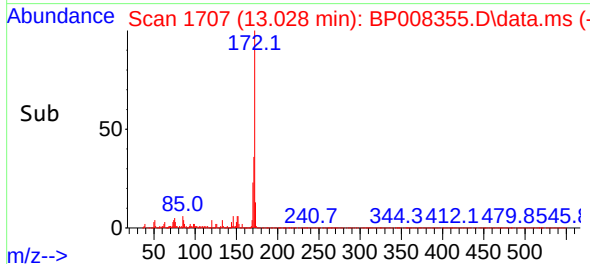
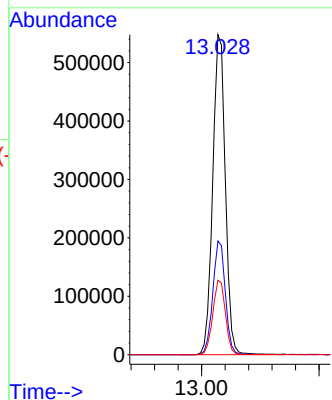
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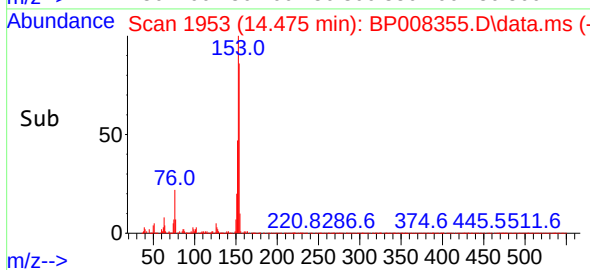
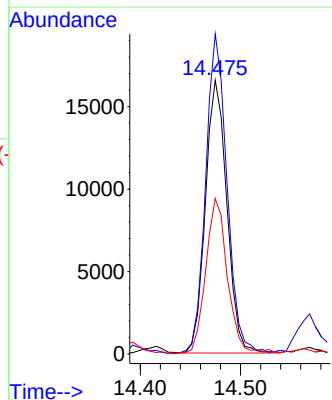
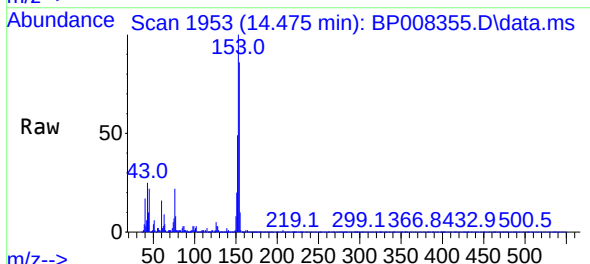
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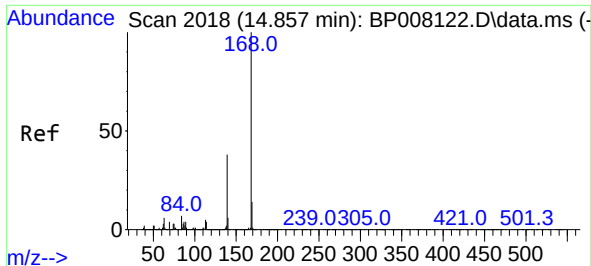
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#52
Acenaphthene
Concen: 3.457 ng
RT: 14.475 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

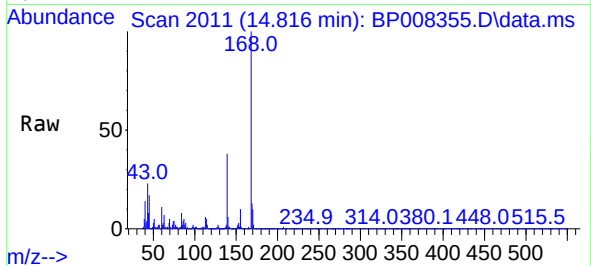
Tgt Ion:154 Resp: 24645
Ion Ratio Lower Upper
154 100
153 116.9 90.3 135.5
152 56.7 43.3 64.9





#55
Dibenzenofuran
Concen: 3.084 ng
RT: 14.816 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Instrument :
BNA_P
ClientSampleId :
P5-COMP



Tgt Ion:168 Resp: 37569
Ion Ratio Lower Upper
168 100
139 37.5 30.6 46.0
169 13.4 11.0 16.4

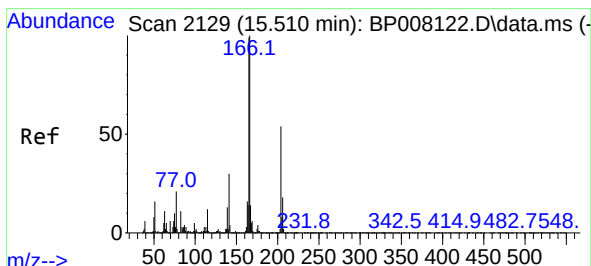
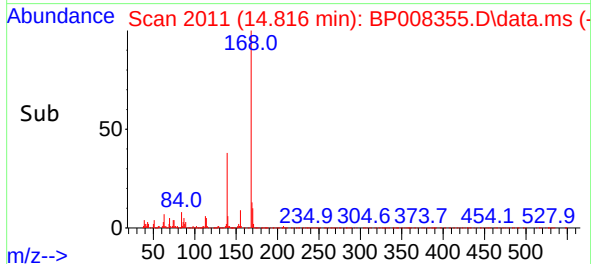
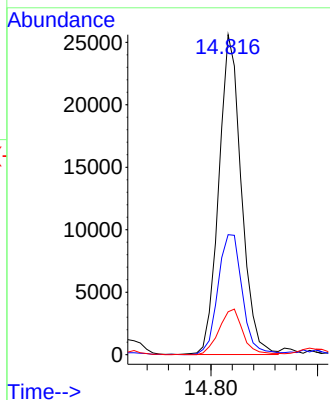
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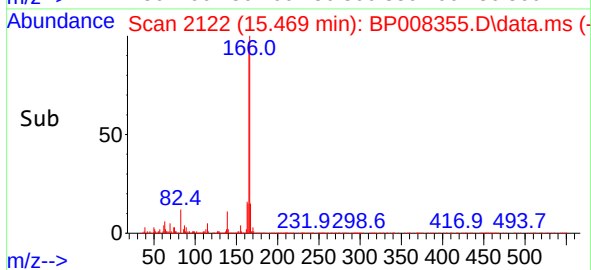
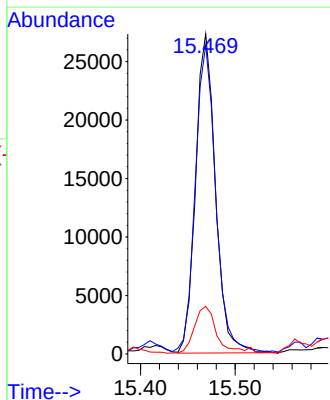
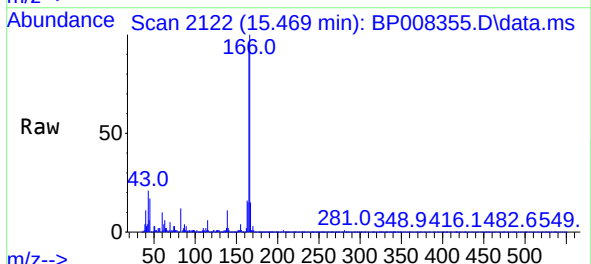
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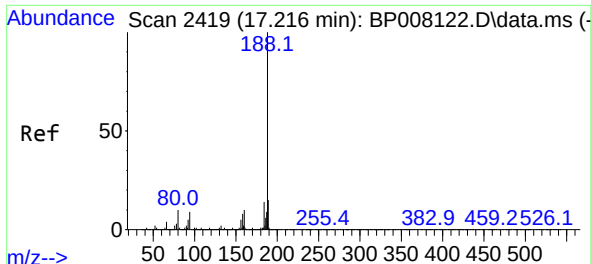
12/13/2021



#58
Fluorene
Concen: 4.026 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:166 Resp: 39849
Ion Ratio Lower Upper
166 100
165 96.5 79.4 119.2
167 14.9 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Instrument :

BNA_P

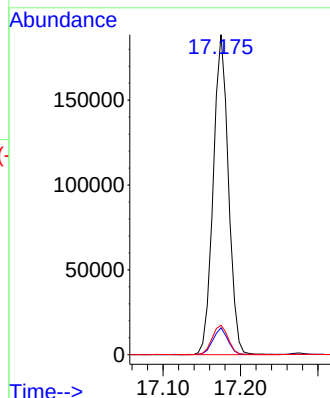
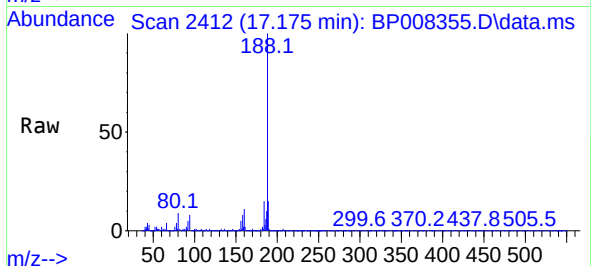
ClientSampleId :

P5-COMP

Tgt Ion:188 Resp: 25793
Ion Ratio Lower Upper
188 100
94 8.4 7.2 10.8
80 9.2 8.2 12.4

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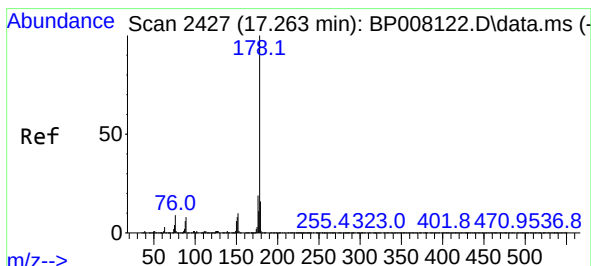
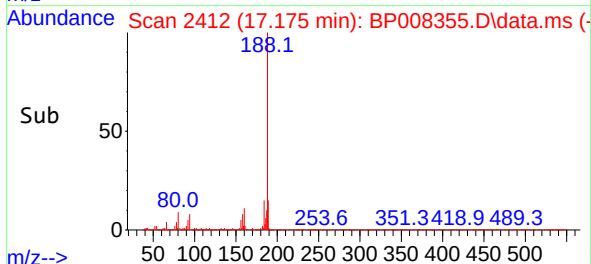
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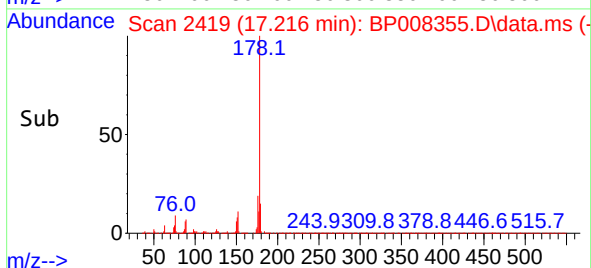
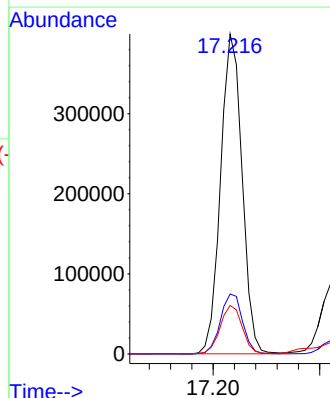
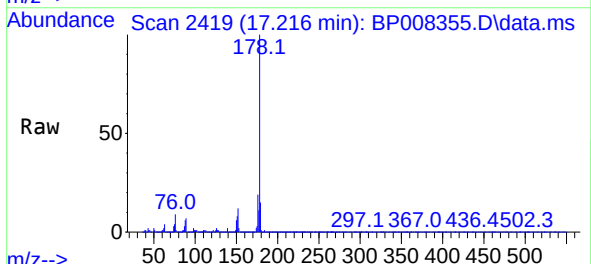
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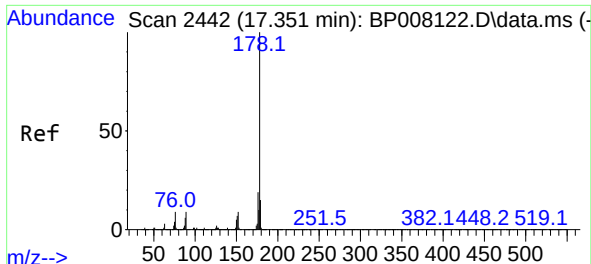
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#71
Phenanthrene
Concen: 41.006 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

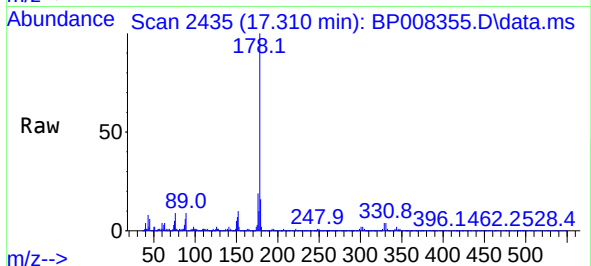
Tgt Ion:178 Resp: 558438
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.2 12.5 18.7





#72
 Anthracene
 Concen: 9.192 ng
 RT: 17.310 min Scan# 2442
 Delta R.T. -0.006 min
 Lab File: BP008355.D
 Acq: 10 Dec 2021 23:22

Instrument :
 BNA_P
 ClientSampleId :
 P5-COMP



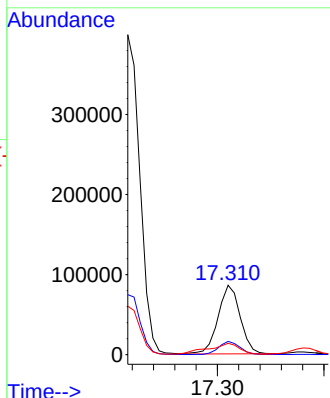
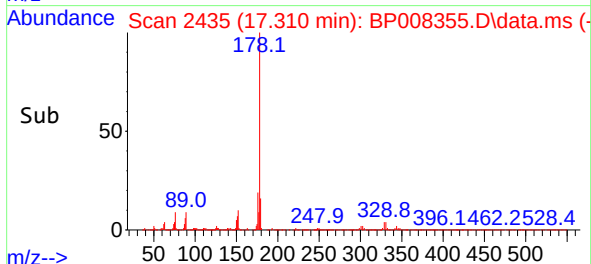
Tgt Ion:178 Resp: 124235
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.1 22.7
 179 16.4 12.3 18.5

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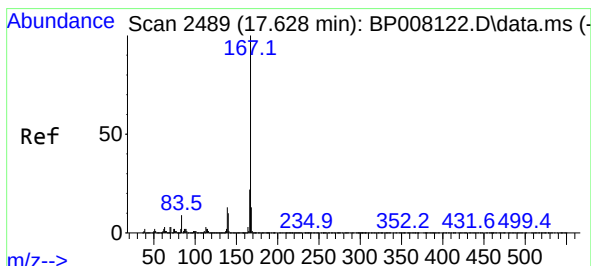
Reviewed By :Christian Giraldo 12/11/2021
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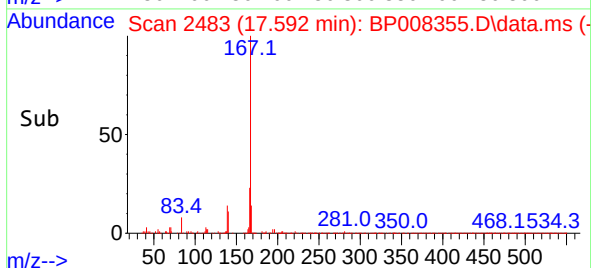
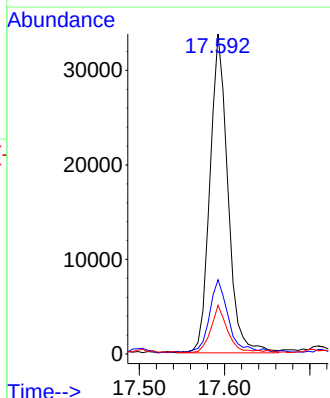
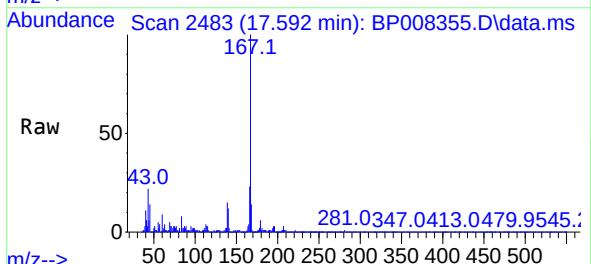


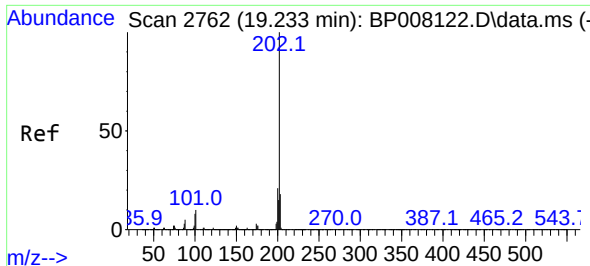
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#73
 Carbazole
 Concen: 3.743 ng
 RT: 17.592 min Scan# 2483
 Delta R.T. -0.006 min
 Lab File: BP008355.D
 Acq: 10 Dec 2021 23:22

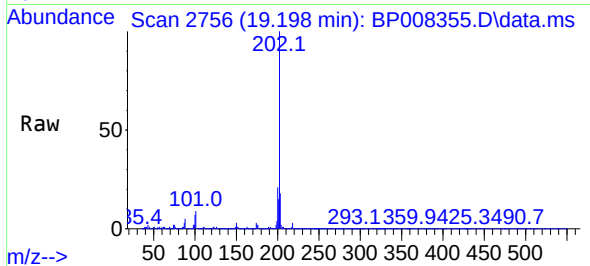
Tgt Ion:167 Resp: 49376
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.4 26.0
 139 15.2 10.2 15.2





#75
Fluoranthene
Concen: 36.321 ng
RT: 19.198 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

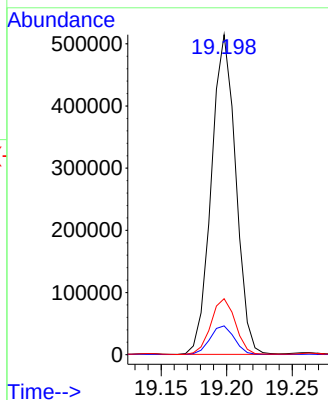
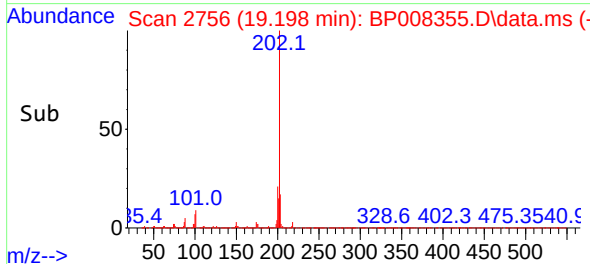
Instrument :
BNA_P
ClientSampleId :
P5-COMP



Tgt Ion:202 Resp: 66634
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.8
203 17.5 0.0 37.7

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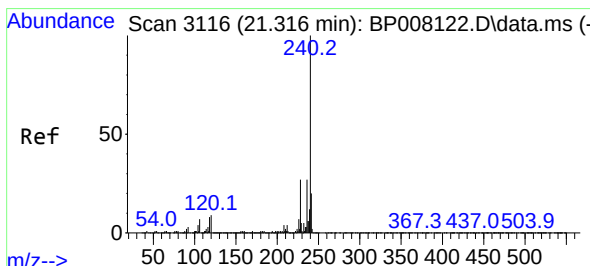
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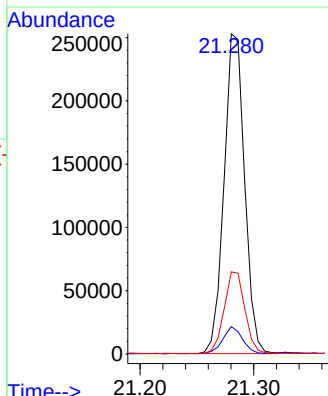
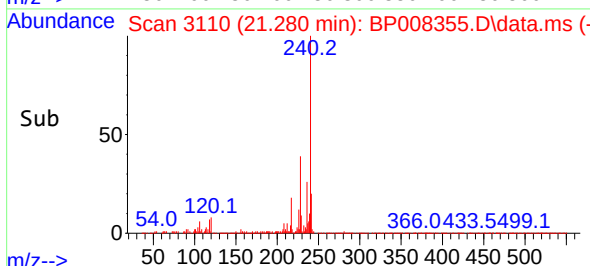
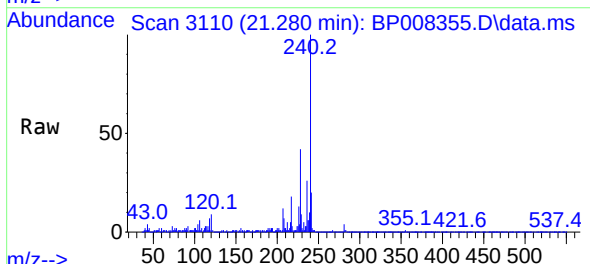
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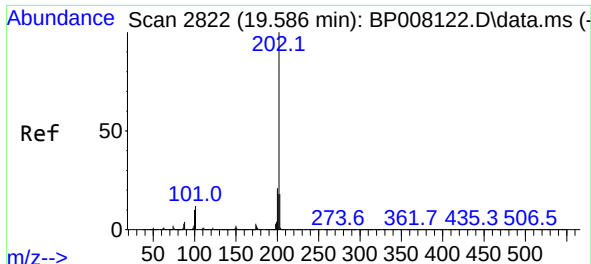
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:240 Resp: 317539
Ion Ratio Lower Upper
240 100
120 8.6 7.3 10.9
236 25.6 21.4 32.2





#78
Pyrene
Concen: 33.874 ng
RT: 19.551 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Instrument :

BNA_P

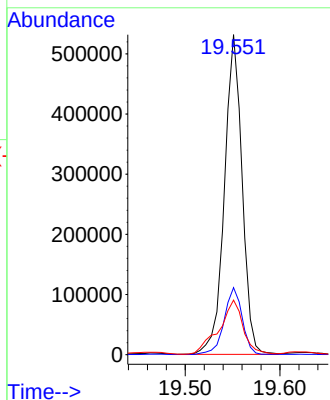
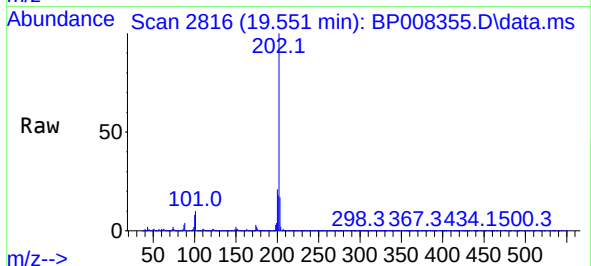
ClientSampleId :

P5-COMP

Tgt Ion:202 Resp: 690274
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.0 14.2 21.2

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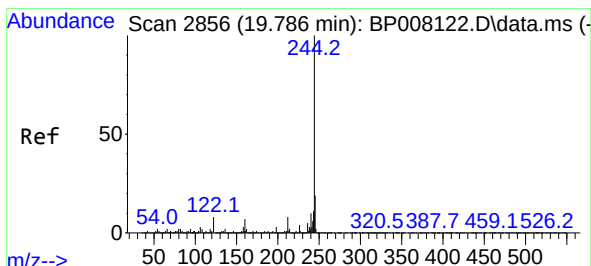
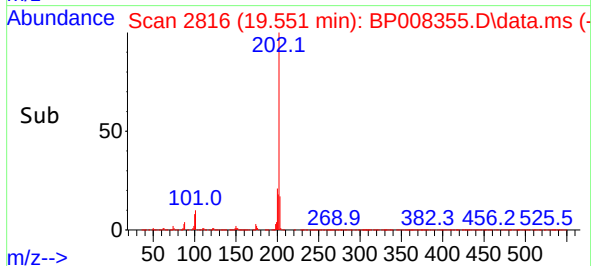
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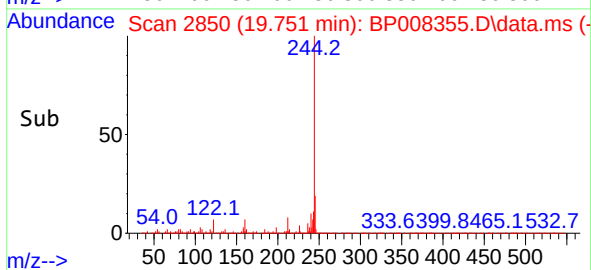
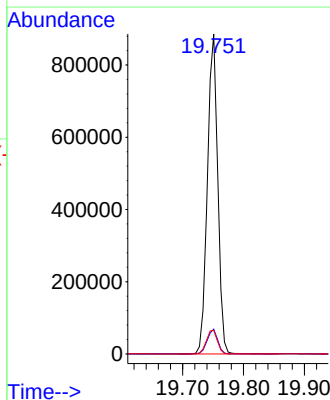
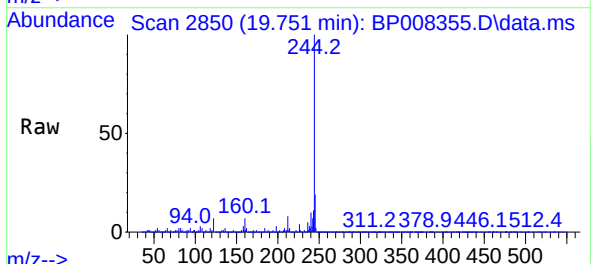
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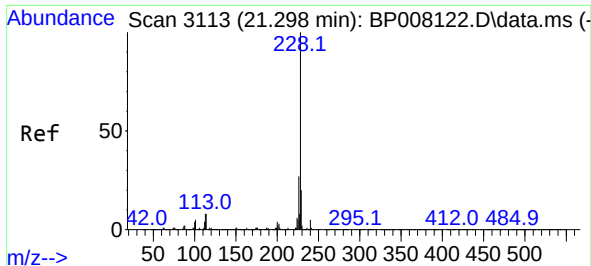
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#79
Terphenyl-d14
Concen: 68.707 ng
RT: 19.751 min Scan# 2850
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:244 Resp: 1043927
Ion Ratio Lower Upper
244 100
212 7.8 6.0 9.0
122 7.4 6.6 9.8





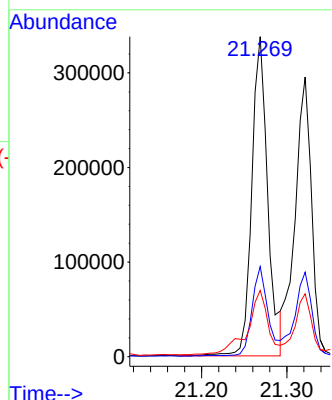
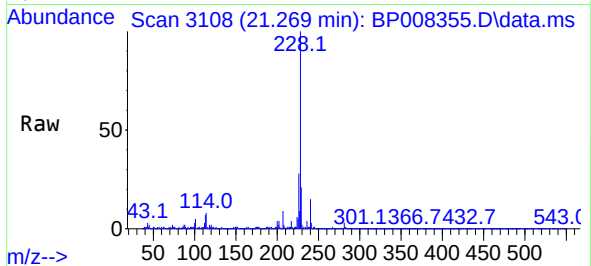
#81
Benzo(a)anthracene
Concen: 20.858 ng
RT: 21.269 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Instrument :
BNA_P
ClientSampleId :
P5-COMP

Tgt Ion:228 Resp: 43896
Ion Ratio Lower Upper
228 100
226 28.1 21.9 32.9
229 20.7 15.9 23.9

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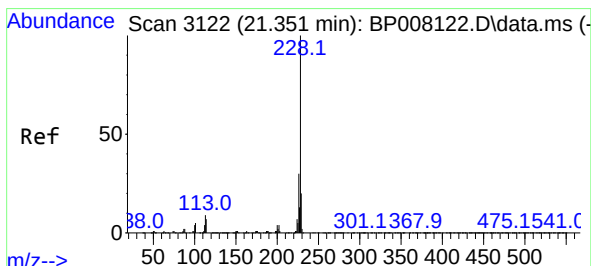
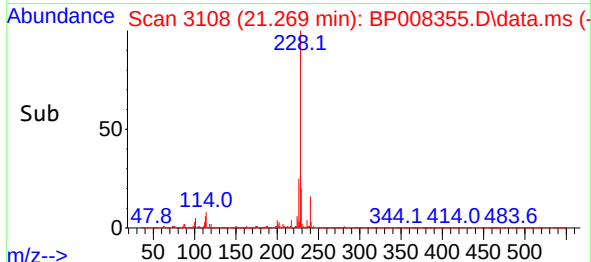
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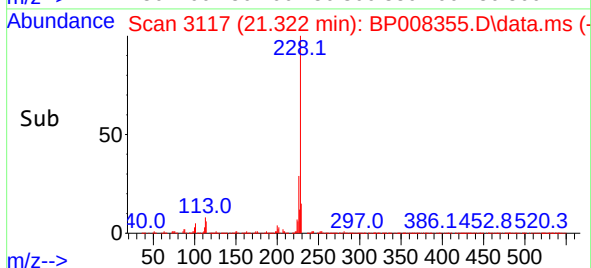
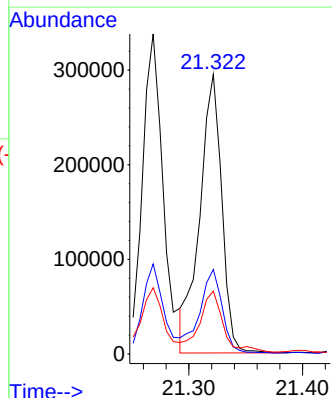
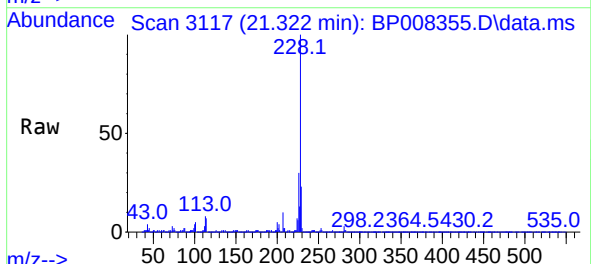
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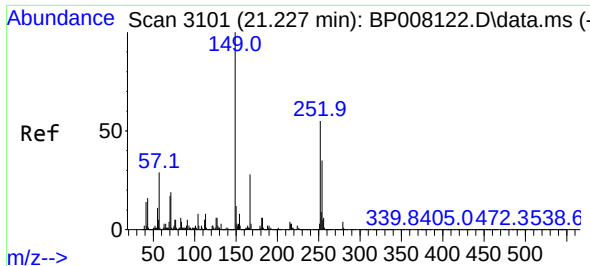
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#83
Chrysene
Concen: 19.834 ng
RT: 21.322 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

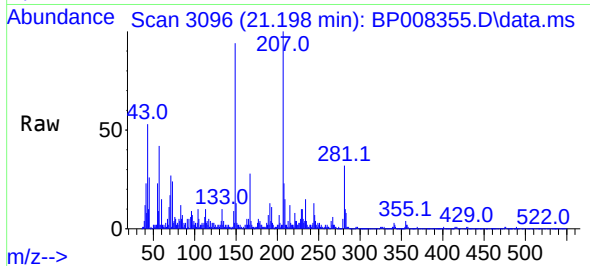
Tgt Ion:228 Resp: 397204
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 22.5 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.005 ng
RT: 21.198 min Scan# 3096
Delta R.T. 0.000 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Instrument :
BNA_P
ClientSampleId :
P5-COMP



Tgt Ion:149 Resp: 2752
Ion Ratio Lower Upper
149 100
167 30.1 22.5 33.7
279 5.8 3.5 5.3

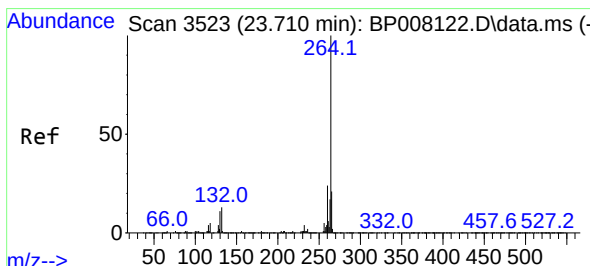
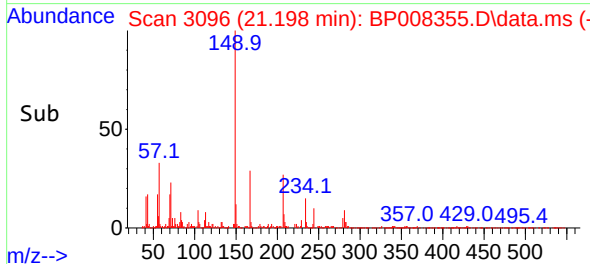
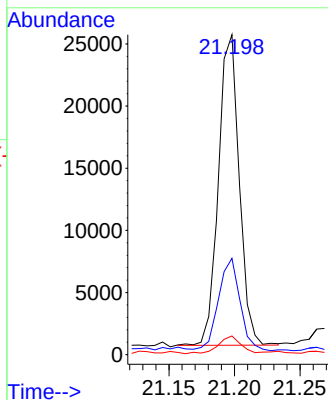
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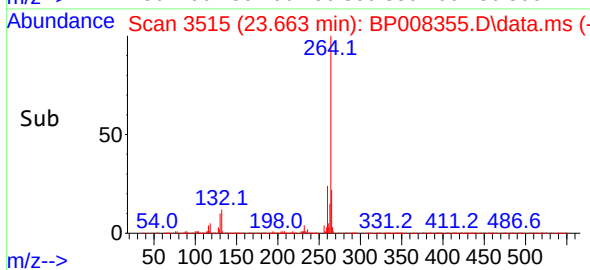
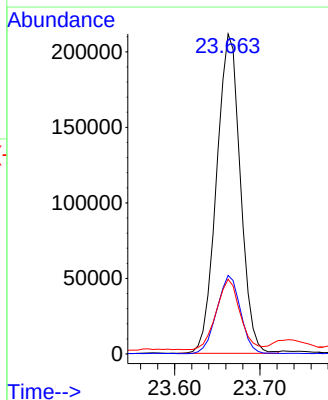
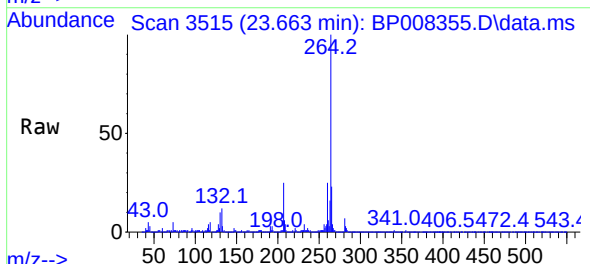
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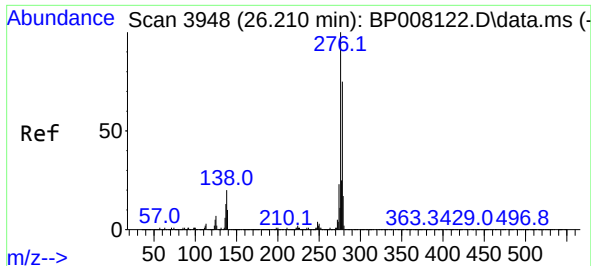
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.663 min Scan# 3515
Delta R.T. -0.012 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:264 Resp: 410471
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 23.4 17.6 26.4





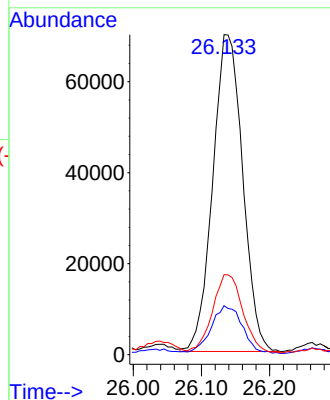
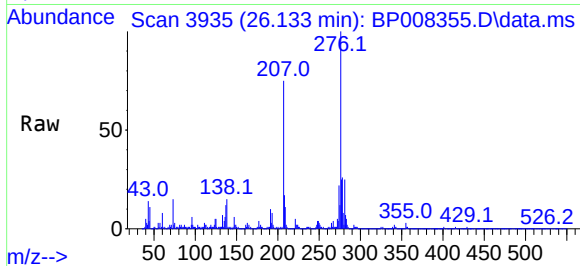
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.123 ng
RT: 26.133 min Scan# 3935
Delta R.T. -0.029 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Instrument :
BNA_P
ClientSampleId :
P5-COMP

Tgt Ion: 276 Resp: 21271
Ion Ratio Lower Upper
276 100
138 15.6 16.6 25.0
277 24.9 20.2 30.2

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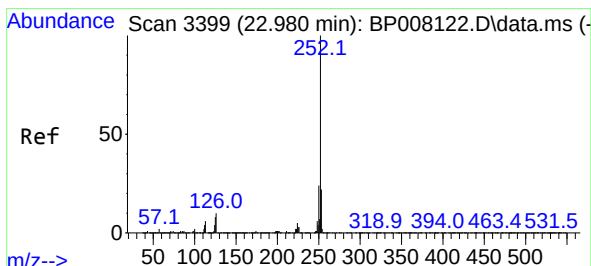
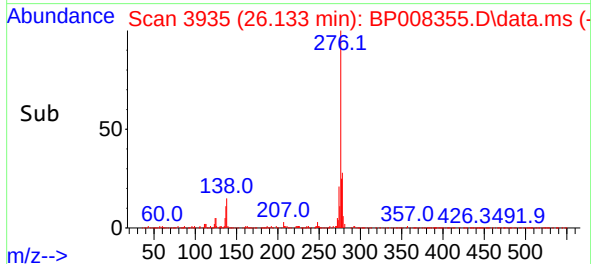
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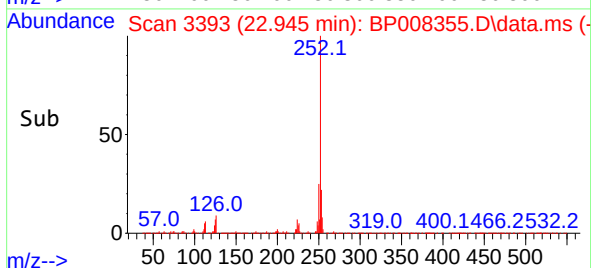
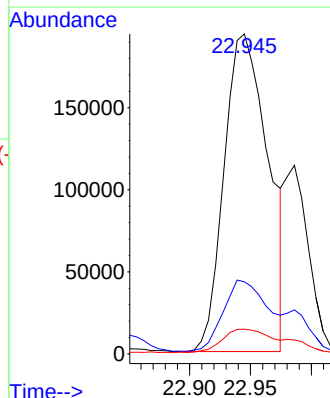
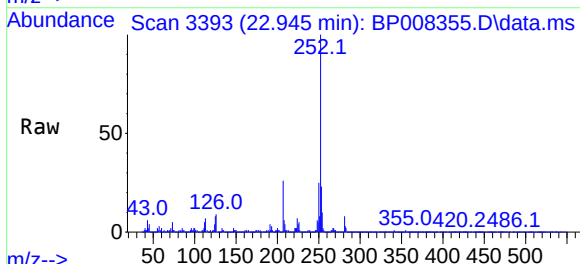
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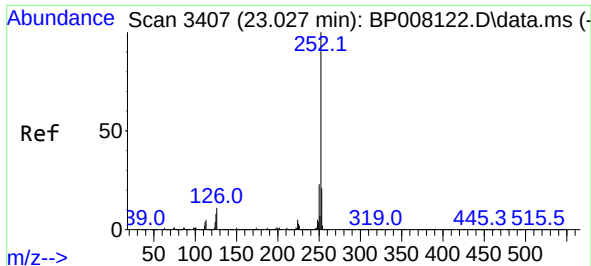
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#88
Benzo(b)fluoranthene
Concen: 19.712 ng
RT: 22.945 min Scan# 3393
Delta R.T. 0.000 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion: 252 Resp: 487779
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 7.7 6.2 9.4





#89
Benzo(k)fluoranthene
Concen: 6.340 ng m
RT: 22.986 min Scan# 3407
Delta R.T. -0.012 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Instrument :
BNA_P
ClientSampleId :
P5-COMP

Tgt Ion:252 Resp: 153600
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 7.4 6.5 9.7

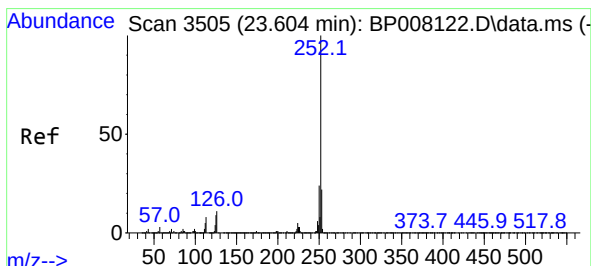
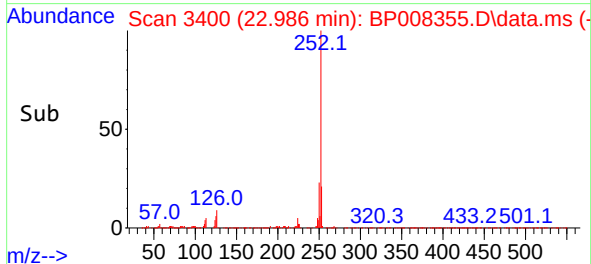
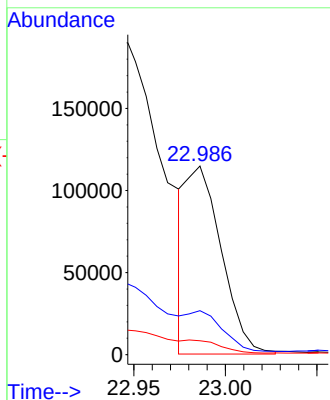
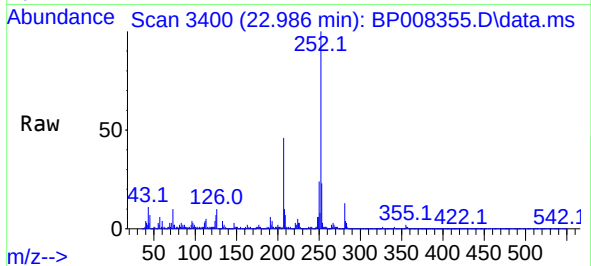
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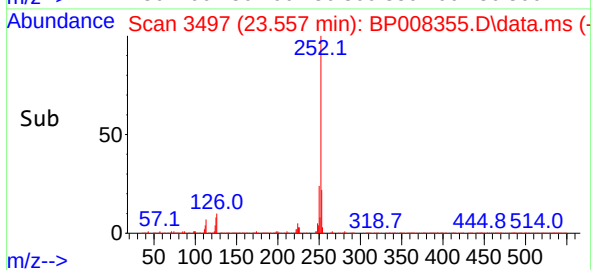
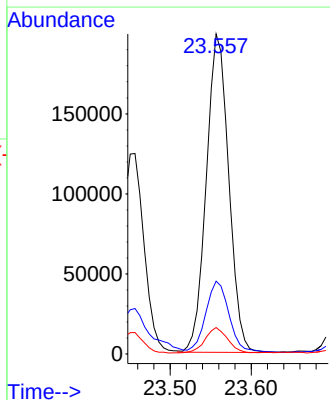
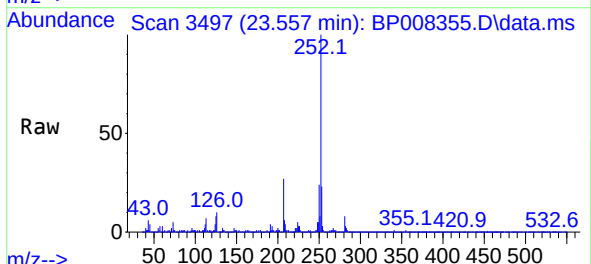
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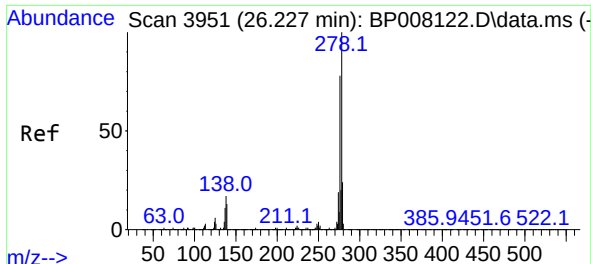
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#90
Benzo(a)pyrene
Concen: 18.065 ng
RT: 23.557 min Scan# 3497
Delta R.T. -0.012 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

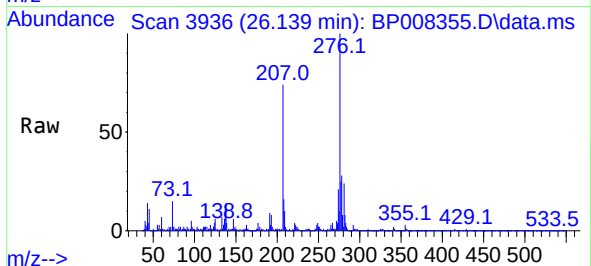
Tgt Ion:252 Resp: 382056
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 8.3 7.4 11.0





#91
Dibenzo(a,h)anthracene
Concen: 2.775 ng
RT: 26.139 min Scan# 3951
Delta R.T. -0.029 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Instrument :
BNA_P
ClientSampleId :
P5-COMP



Tgt Ion:278 Resp: 68814
Ion Ratio Lower Upper
278 100
139 13.1 10.8 16.2
279 28.7 19.1 28.7

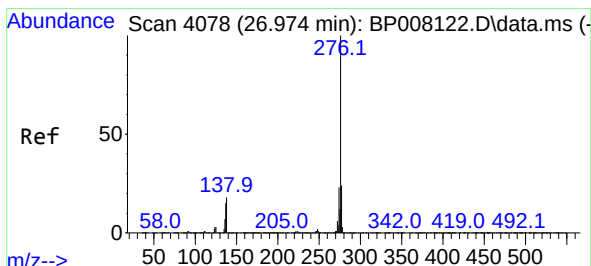
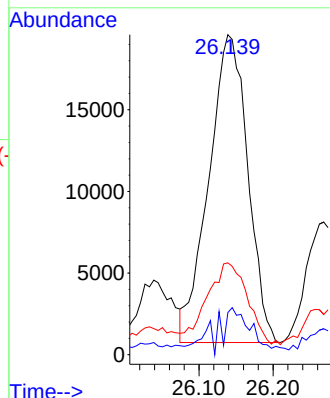
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#92
Benzo(g,h,i)perylene
Concen: 8.119 ng
RT: 26.909 min Scan# 4067
Delta R.T. -0.012 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:276 Resp: 203141
Ion Ratio Lower Upper
276 100
277 23.9 20.0 30.0
138 15.9 14.1 21.1

