

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

Manual Integrations
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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	20.00	ng	0.00
21) Naphthalene-d8	10.663	136	822014	20.00	ng	# 0.00
39) Acenaphthene-d10	14.498	164	501416	20.00	ng	0.00
64) Phenanthrene-d10	17.251	188	1043835	20.00	ng	# 0.00
76) Chrysene-d12	21.339	240	1058395	20.00	ng	# 0.00
86) Perylene-d12	23.750	264	1140090	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	618868	46.85	ng	0.00
7) Phenol-d6	7.045	99	715654	39.64	ng	0.00
23) Nitrobenzene-d5	9.028	82	421847	29.89	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	279383	42.98	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	1003267	28.66	ng	0.00
79) Terphenyl-d14	19.810	244	1522315	27.56	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.710	128	383544	9.14	ng	99
37) 2-Methylnaphthalene	12.322	142	852271	29.01	ng	97
38) 1-Methylnaphthalene	12.545	142	662566m	23.08	ng	
46) 1,1'-Biphenyl	13.333	154	127863	3.43	ng	96
49) Acenaphthylene	14.222	152	118613	2.67	ng	# 94
52) Acenaphthene	14.563	154	653864	24.25	ng	99
55) Dibenzofuran	14.898	168	717209	15.94	ng	96
58) Fluorene	15.545	166	831581	23.93	ng	100
71) Phenanthrene	17.298	178	4744287	84.77	ng	99
72) Anthracene	17.386	178	2128192	38.87	ng	99
73) Carbazole	17.657	167	632788	11.79	ng	98
75) Fluoranthene	19.268	202	5010656	77.70	ng	98
78) Pyrene	19.621	202	4401612	63.39	ng	98
81) Benzo(a)anthracene	21.327	228	2661080	38.73	ng	97
83) Chrysene	21.380	228	2184125	33.26	ng	96
87) Indeno(1,2,3-cd)pyrene	26.274	276	1236861	15.10	ng	98
88) Benzo(b)fluoranthene	23.015	252	2690573	39.49	ng	# 95
89) Benzo(k)fluoranthene	23.056	252	991231m	14.37	ng	
90) Benzo(a)pyrene	23.645	252	2137472	36.93	ng	# 96
91) Dibenzo(a,h)anthracene	26.280	278	368879	5.37	ng	# 81
92) Benzo(g,h,i)perylene	27.050	276	1153816	17.22	ng	# 92

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

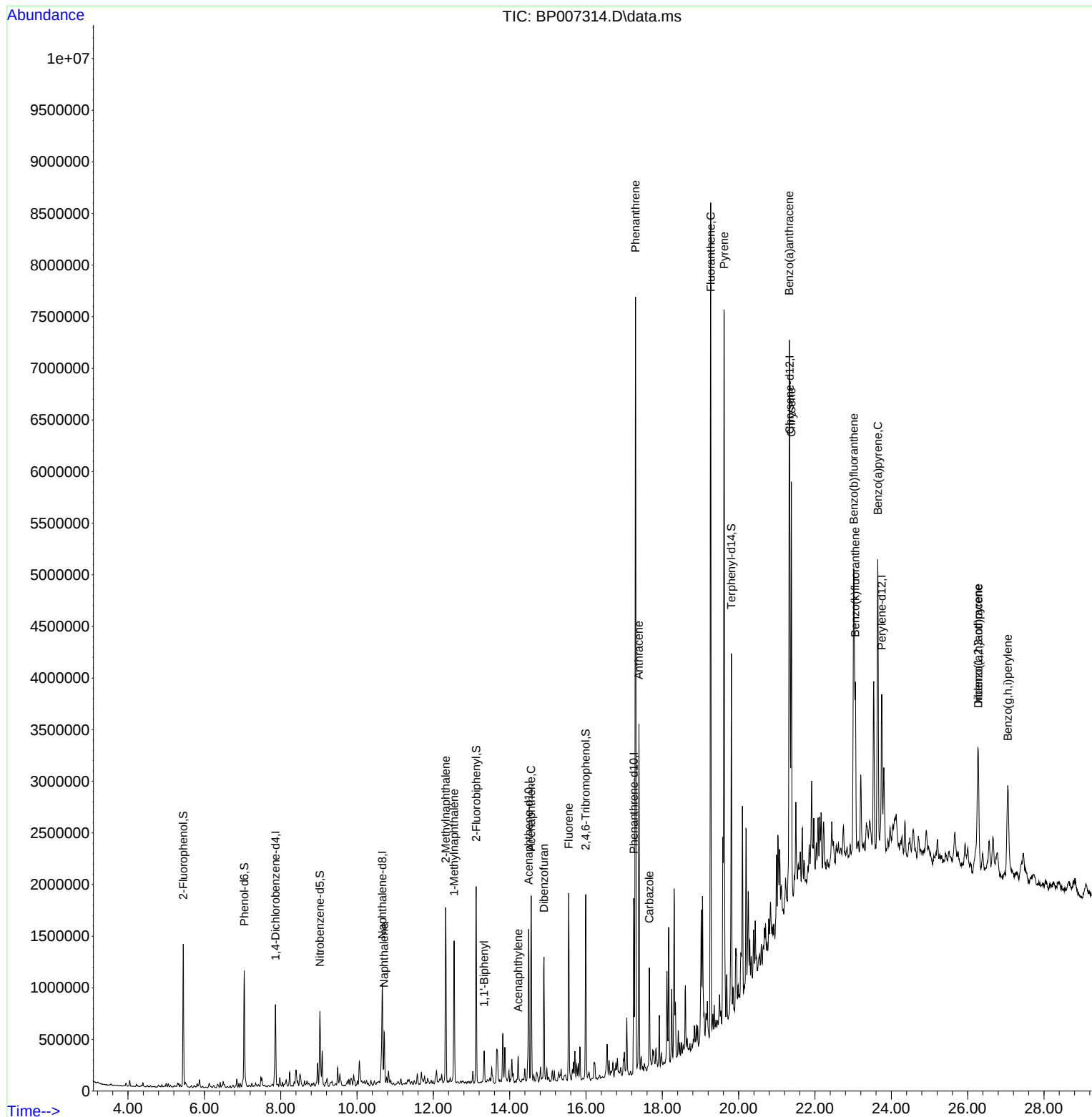
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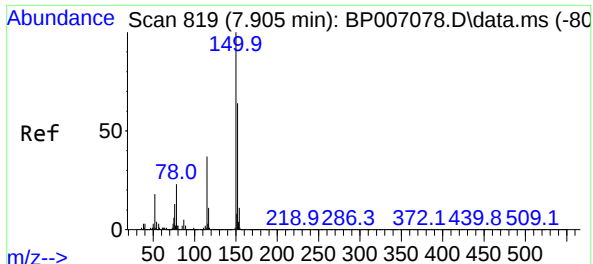
Instrument :
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ClientSampleId :
NB-08-100121

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Quant Time: Oct 05 02:22:31 2021
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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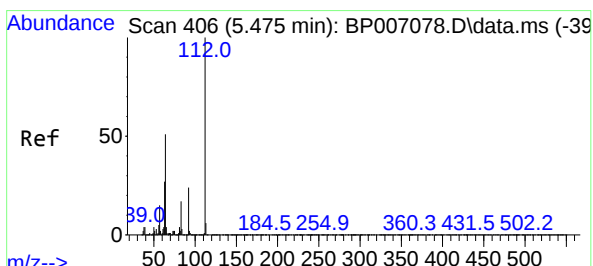
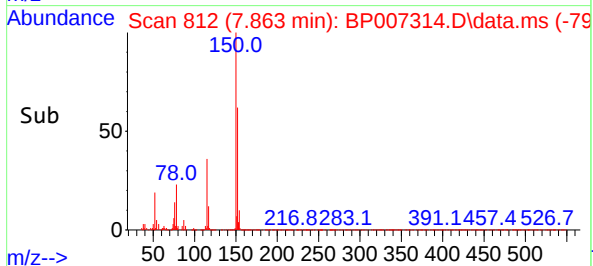
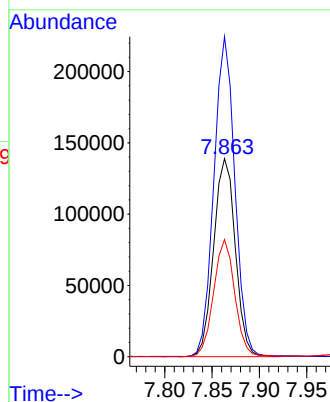
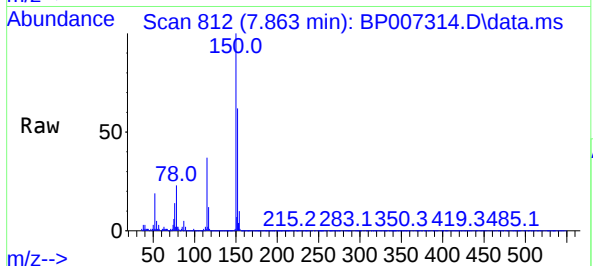
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.863 min Scan# 812
Delta R.T. 0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

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

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

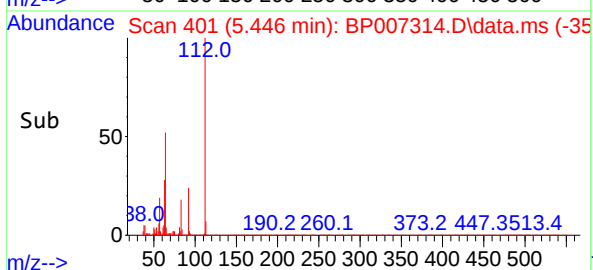
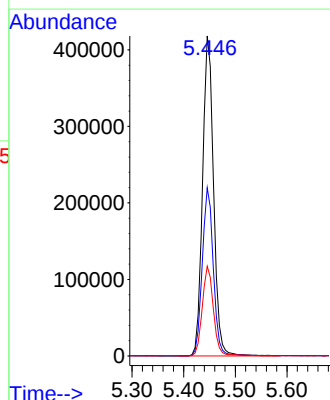
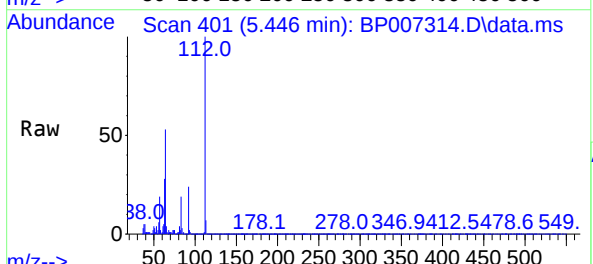
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#5
2-Fluorophenol
Concen: 46.85 ng
RT: 5.446 min Scan# 401
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

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





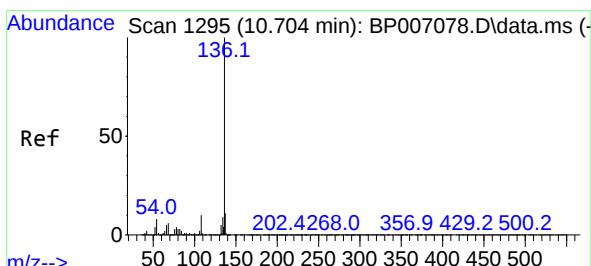
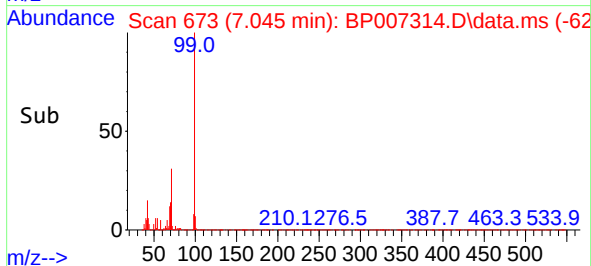
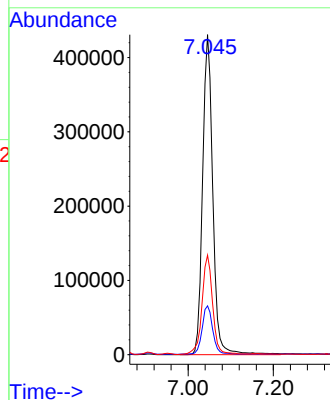
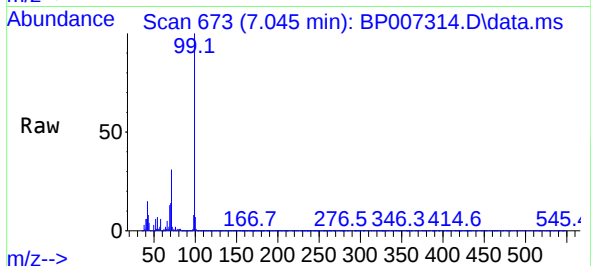
#7
Phenol-d6
Concen: 39.64 ng
RT: 7.045 min Scan# 673
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

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

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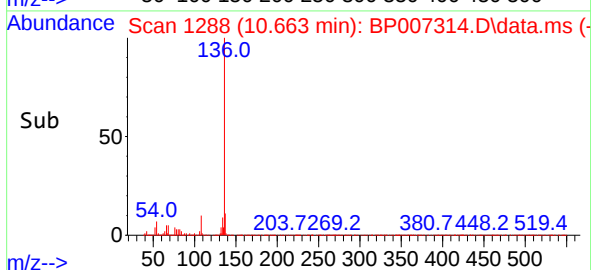
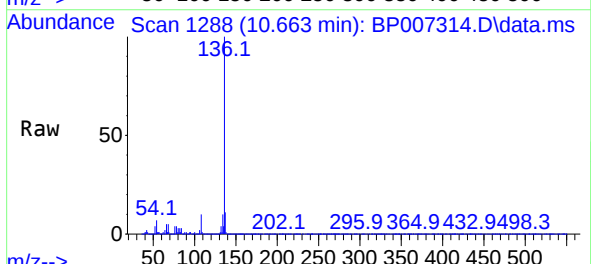
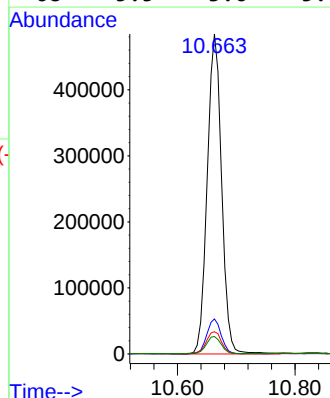
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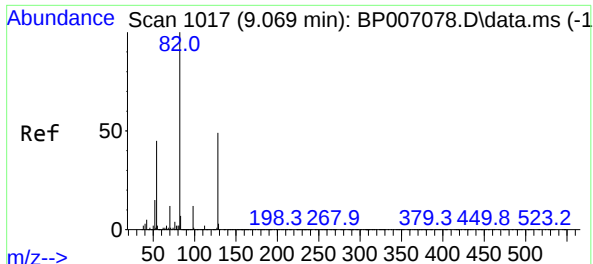
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.663 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

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#





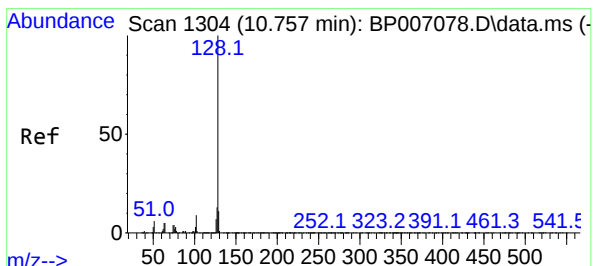
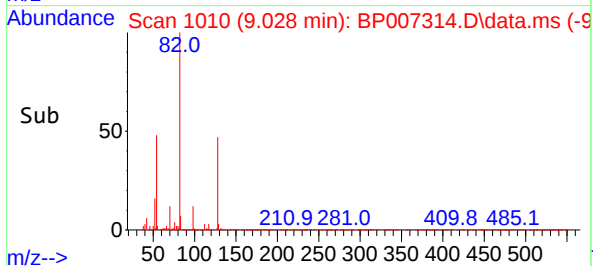
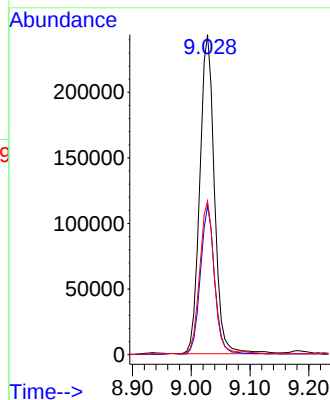
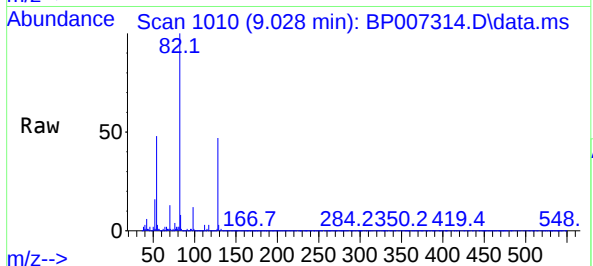
#23
Nitrobenzene-d5
Concen: 29.89 ng
RT: 9.028 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

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

Instrument :
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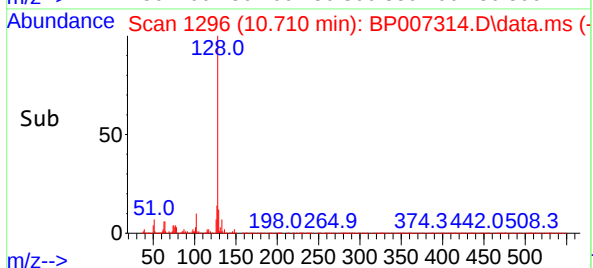
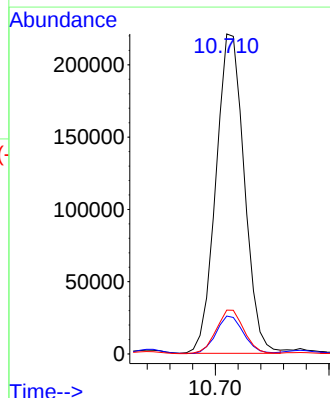
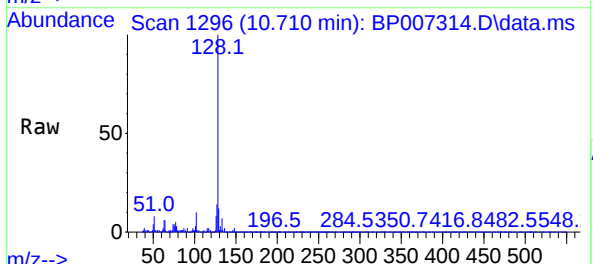
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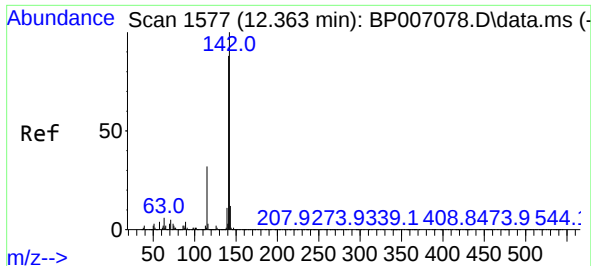
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#31
Naphthalene
Concen: 9.14 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

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





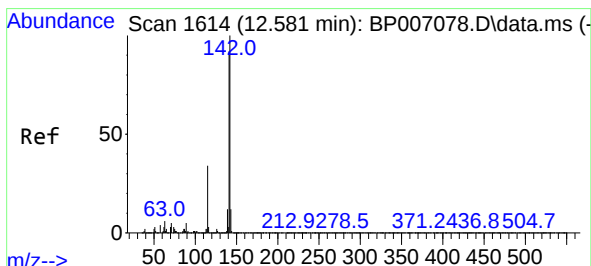
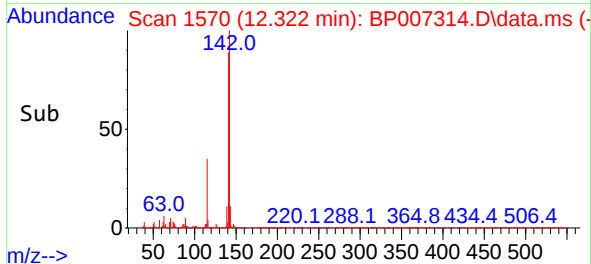
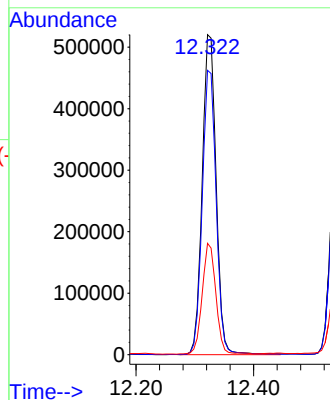
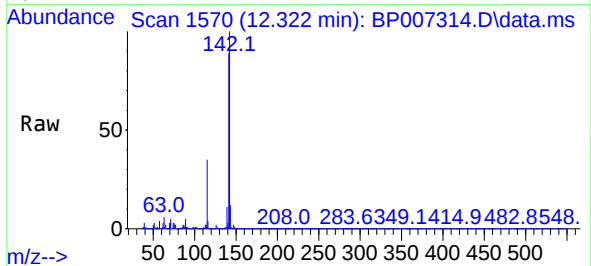
#37
2-Methylnaphthalene
Concen: 29.01 ng
RT: 12.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

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

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

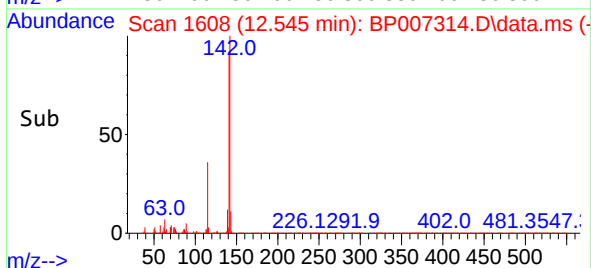
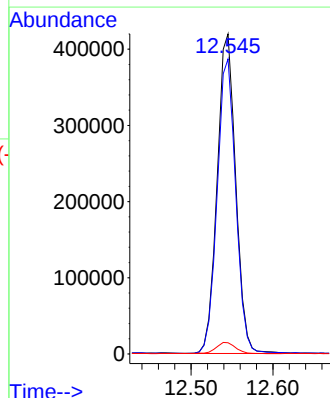
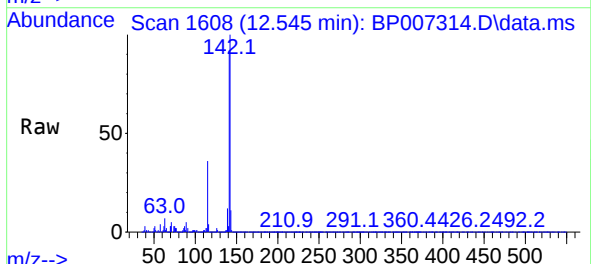
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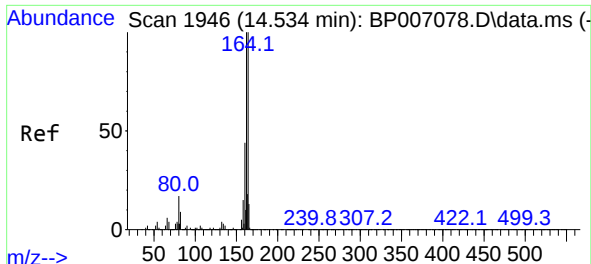
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#38
1-Methylnaphthalene
Concen: 23.08 ng m
RT: 12.545 min Scan# 1608
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

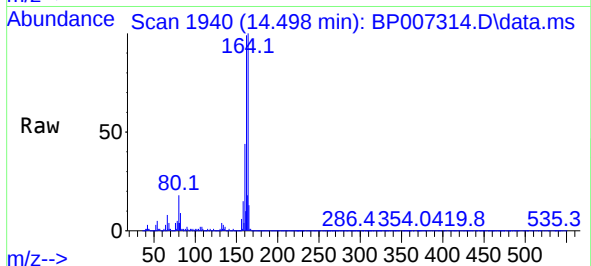
Tgt Ion:142 Resp: 662566
Ion Ratio Lower Upper
142 100
141 92.2 73.3 109.9
116 3.5 3.5 5.3#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.498 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

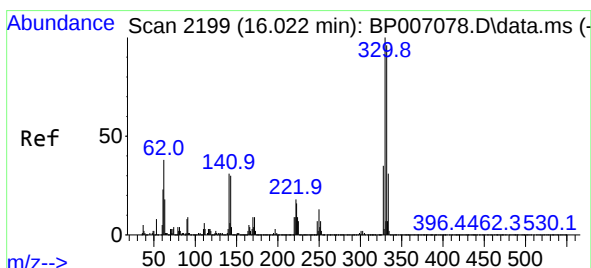
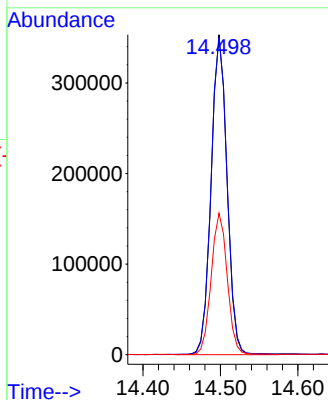
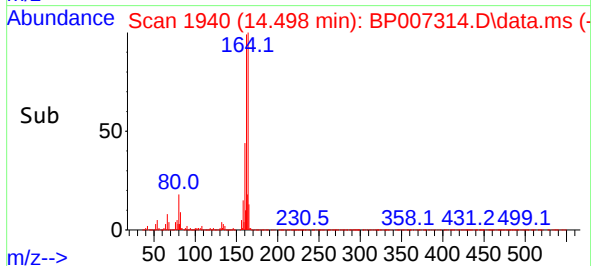
Instrument :
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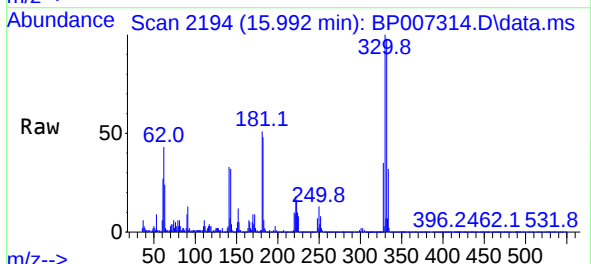
Tgt Ion:164 Resp: 501416
Ion Ratio Lower Upper
164 100
162 99.1 80.2 120.2
160 44.2 34.5 51.7

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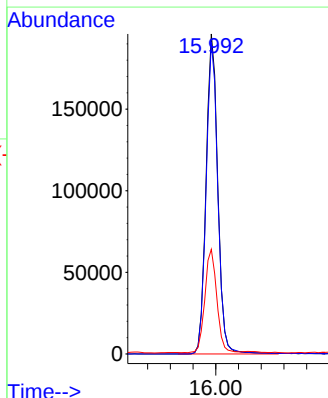
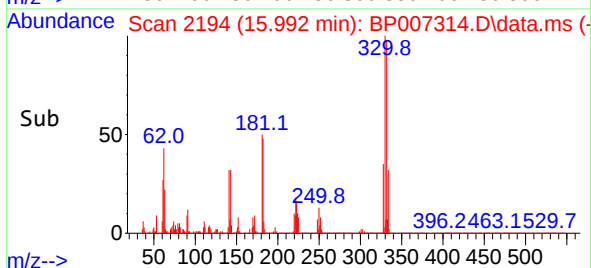
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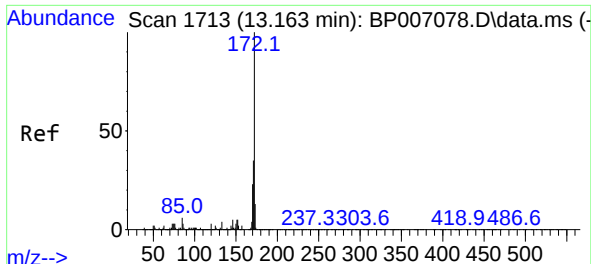


#42
2,4,6-Tribromophenol
Concen: 42.98 ng
RT: 15.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20



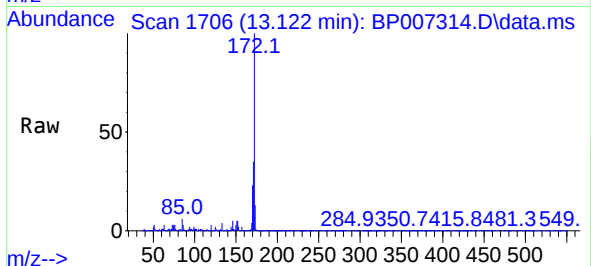
Tgt Ion:330 Resp: 279383
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.8
141 32.9 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 28.66 ng
RT: 13.122 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

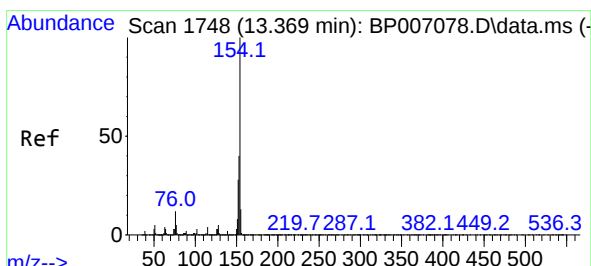
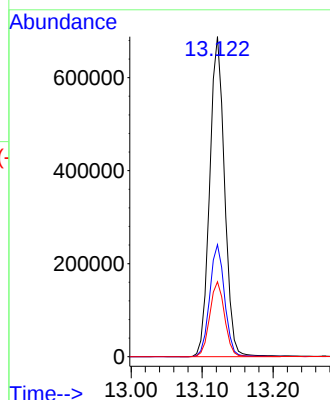
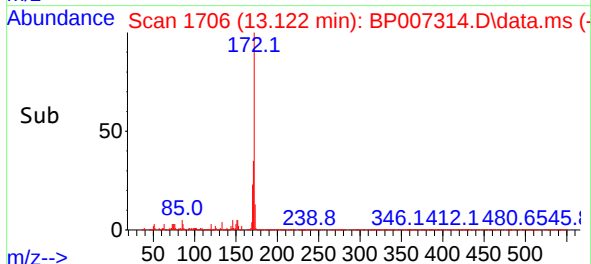
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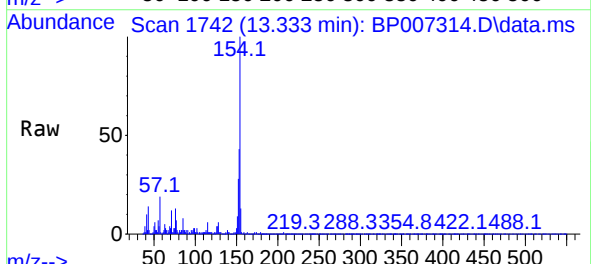
Tgt Ion:172 Resp: 1003267
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.4 18.6 27.8

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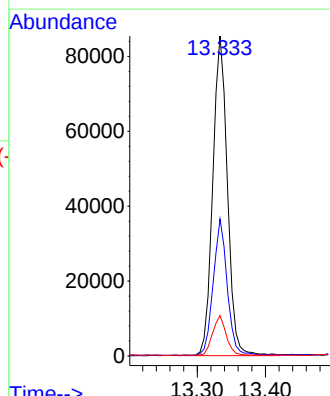
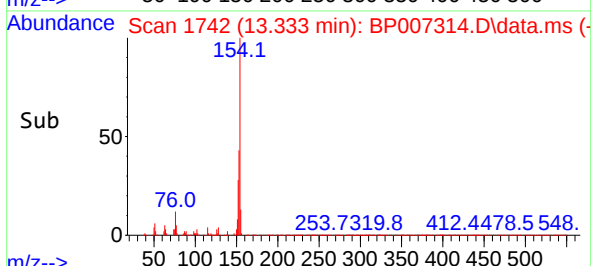
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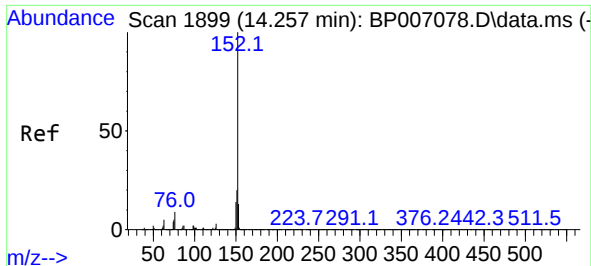


#46
1,1'-Biphenyl
Concen: 3.43 ng
RT: 13.333 min Scan# 1742
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20



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





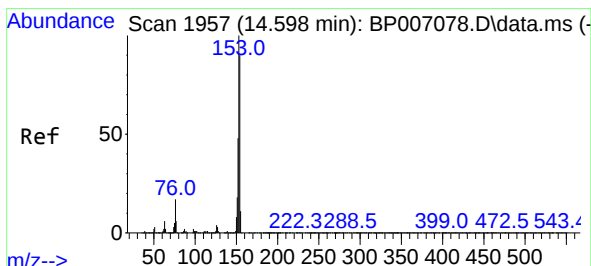
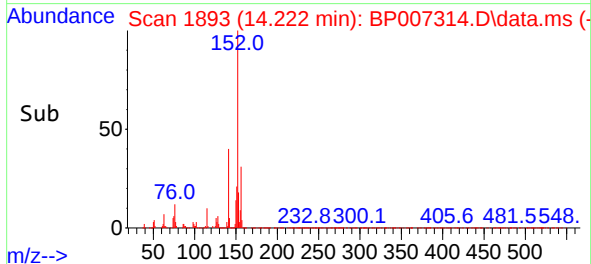
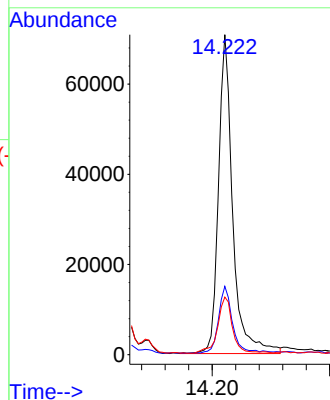
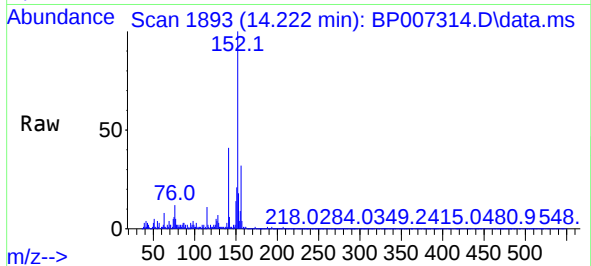
#49
Acenaphthylene
Concen: 2.67 ng
RT: 14.222 min Scan# 1893
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

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#

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

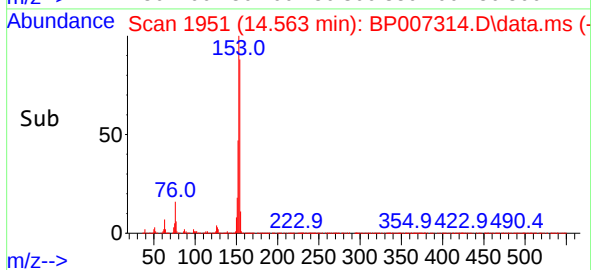
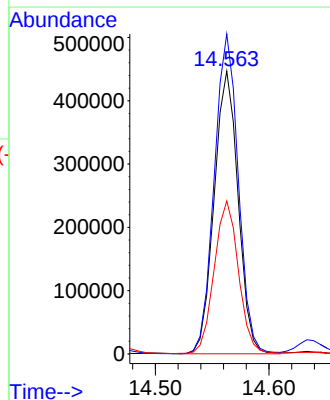
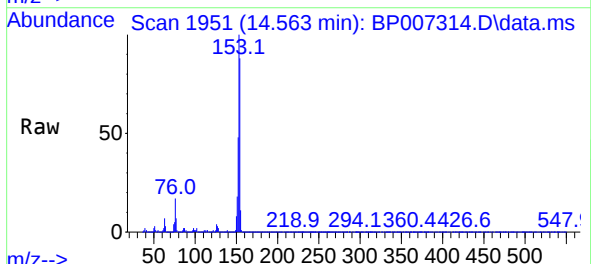
Manual Integrations
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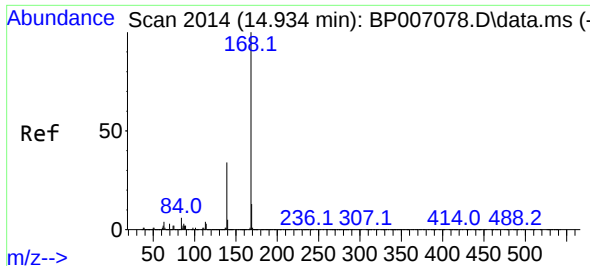
mohammad
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#52
Acenaphthene
Concen: 24.25 ng
RT: 14.563 min Scan# 1951
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

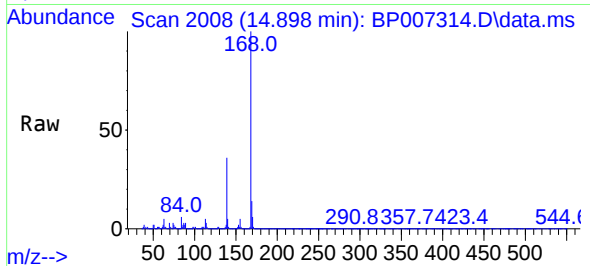
Tgt Ion:154 Resp: 653864
Ion Ratio Lower Upper
154 100
153 113.1 89.4 134.2
152 54.1 43.0 64.4





#55
Dibenzenofuran
Concen: 15.94 ng
RT: 14.898 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

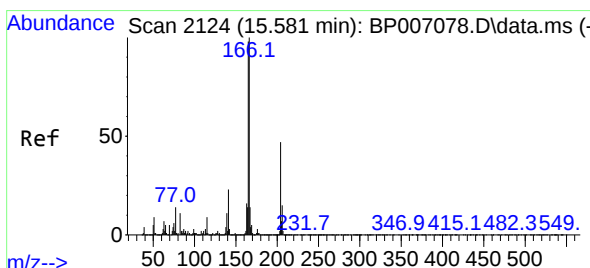
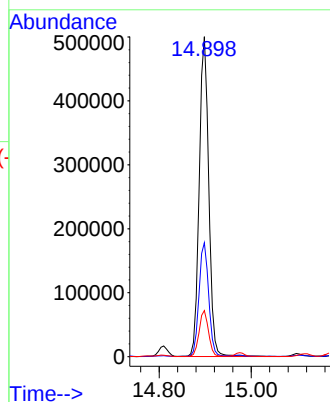
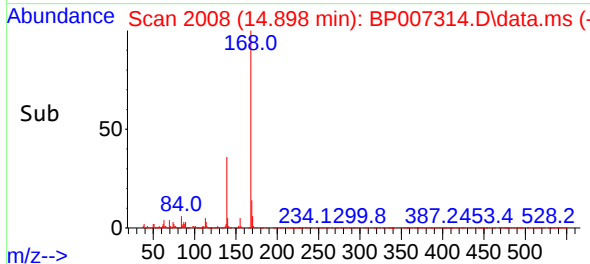
Instrument :
BNA_P
ClientSampleId :
NB-08-100121



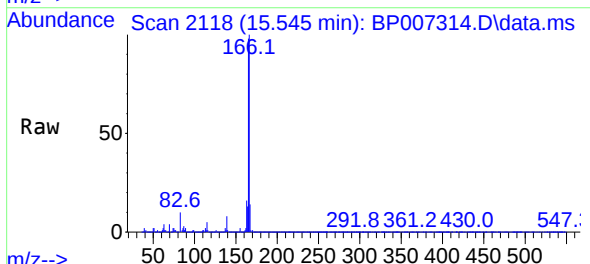
Tgt Ion:168 Resp: 717209
Ion Ratio Lower Upper
168 100
139 35.6 31.0 46.6
169 14.4 10.8 16.2

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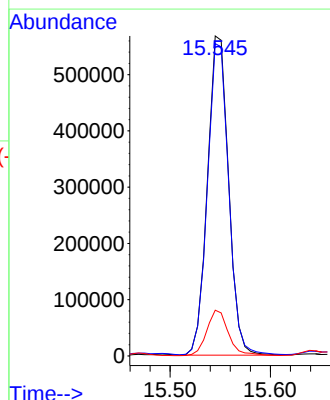
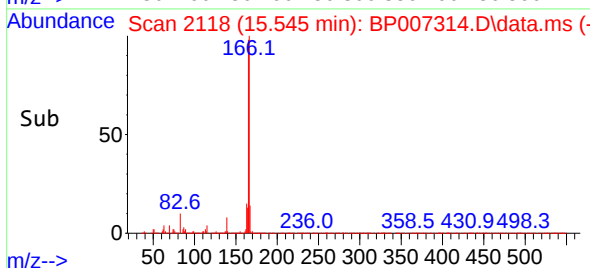
mohammad
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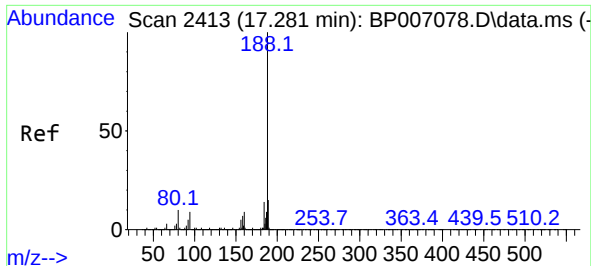


#58
Fluorene
Concen: 23.93 ng
RT: 15.545 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20



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





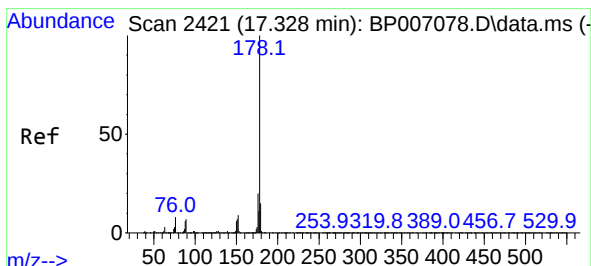
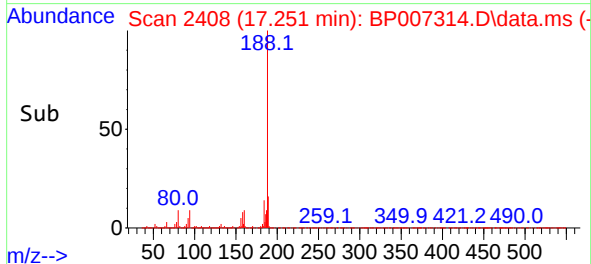
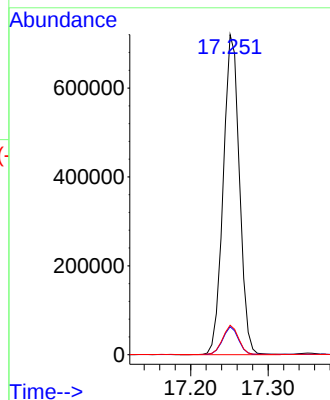
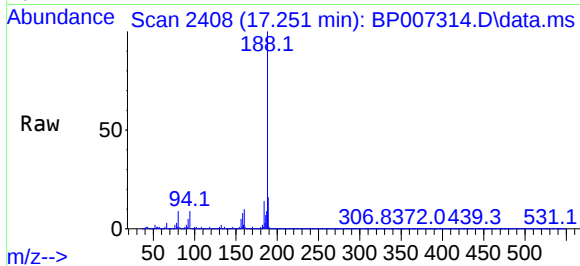
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.251 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

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

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

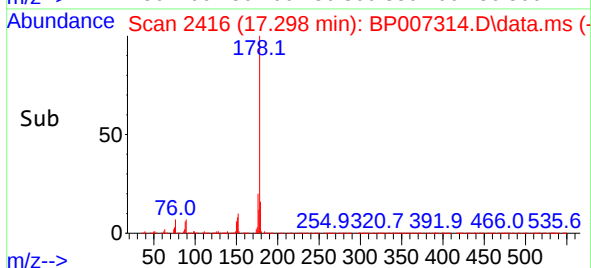
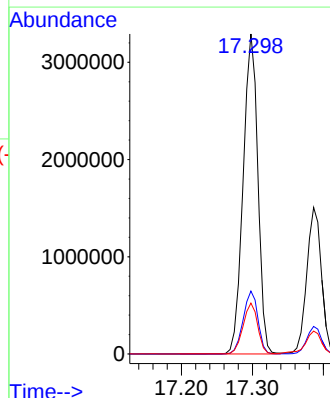
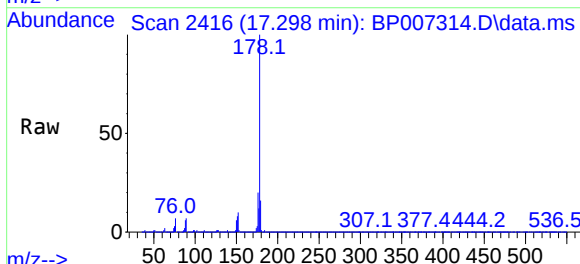
Manual Integrations
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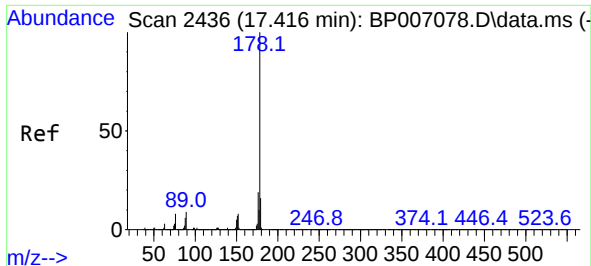
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#71
Phenanthrene
Concen: 84.77 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

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





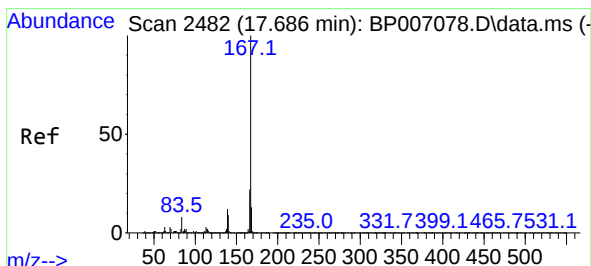
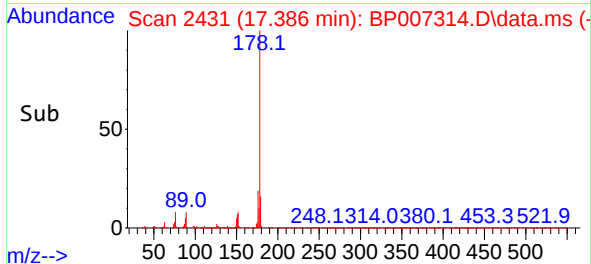
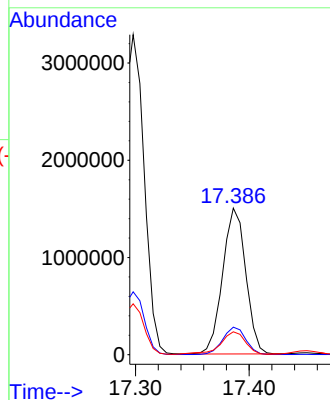
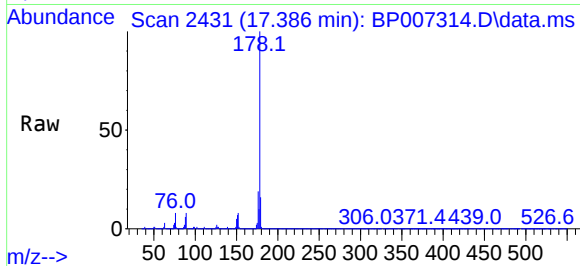
#72
 Anthracene
 Concen: 38.87 ng
 RT: 17.386 min Scan# 2431
 Delta R.T. -0.000 min
 Lab File: BP007314.D
 Acq: 04 Oct 2021 20:20

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

Instrument :
 BNA_P
 ClientSampleId :
 NB-08-100121

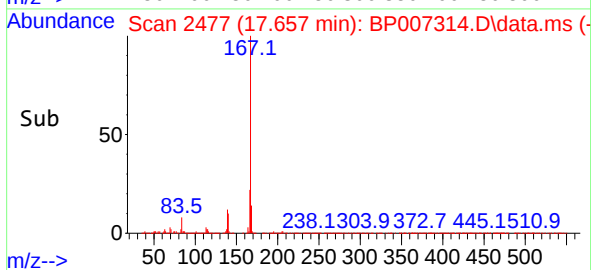
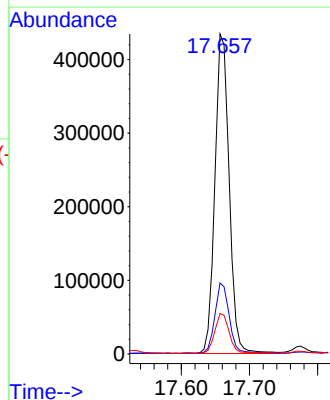
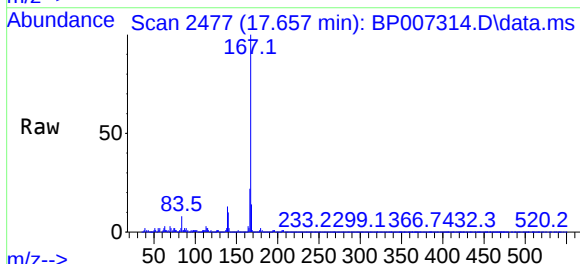
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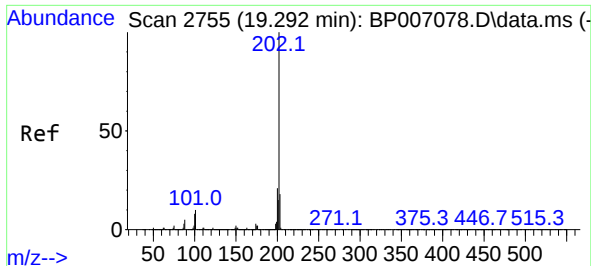
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#73
 Carbazole
 Concen: 11.79 ng
 RT: 17.657 min Scan# 2477
 Delta R.T. -0.006 min
 Lab File: BP007314.D
 Acq: 04 Oct 2021 20:20

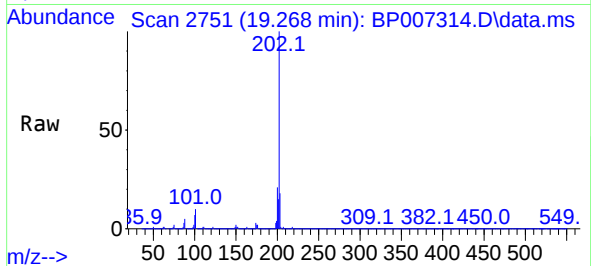
Tgt Ion:167 Resp: 632788
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.1 25.7
 139 12.7 10.7 16.1





#75
Fluoranthene
Concen: 77.70 ng
RT: 19.268 min Scan# 2751
Delta R.T. 0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

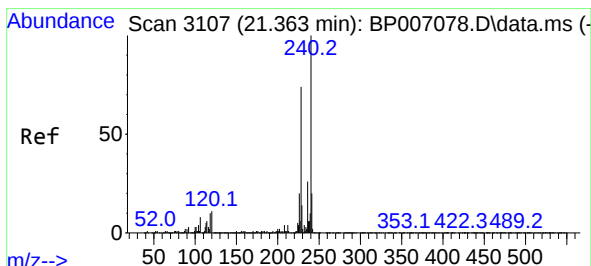
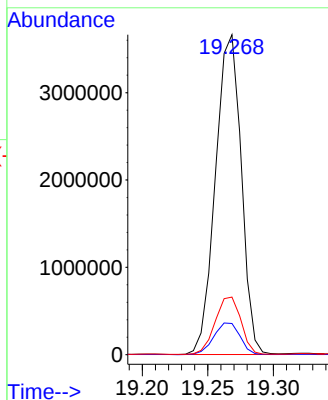
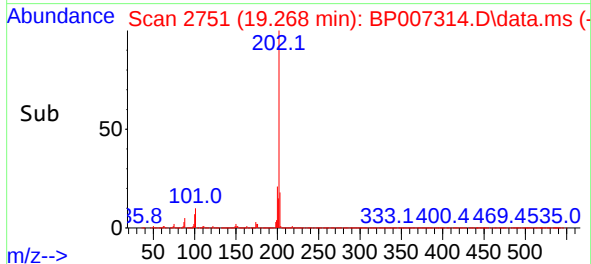
Instrument :
BNA_P
ClientSampleId :
NB-08-100121



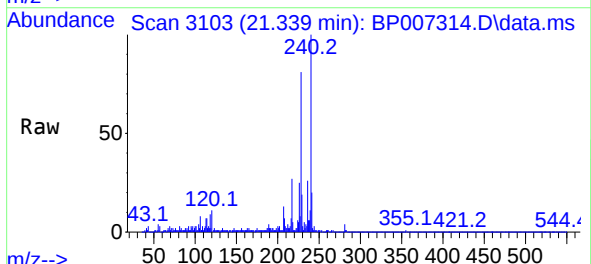
Tgt Ion:202 Resp: 5010656
Ion Ratio Lower Upper
202 100
101 9.8 0.0 27.6
203 18.0 0.0 37.8

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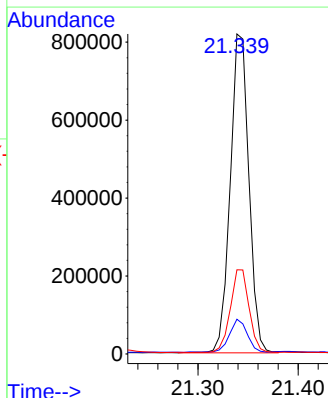
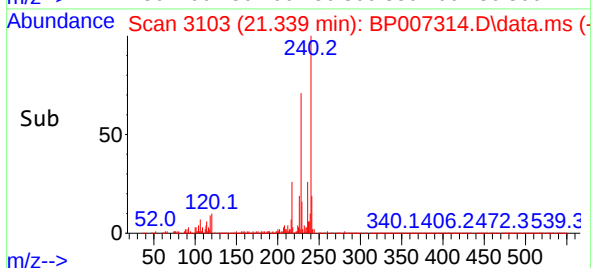
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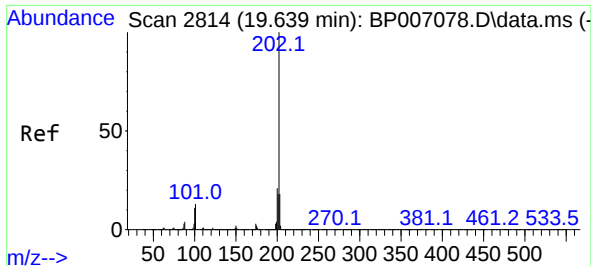


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20



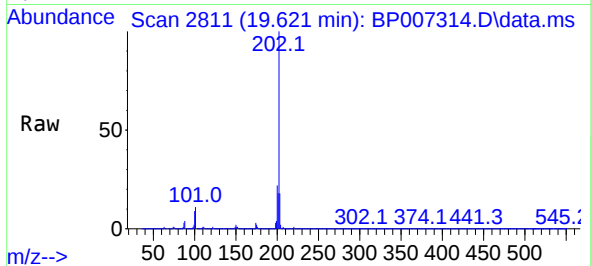
Tgt Ion:240 Resp: 1058395
Ion Ratio Lower Upper
240 100
120 10.9 6.5 9.7#
236 26.3 20.6 31.0





#78
Pyrene
Concen: 63.39 ng
RT: 19.621 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

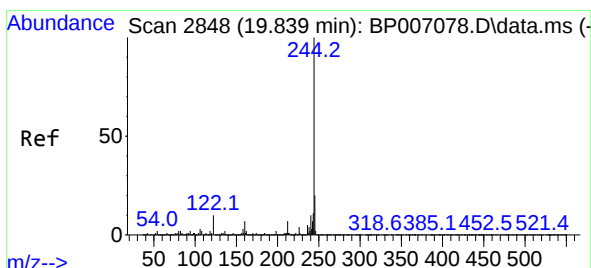
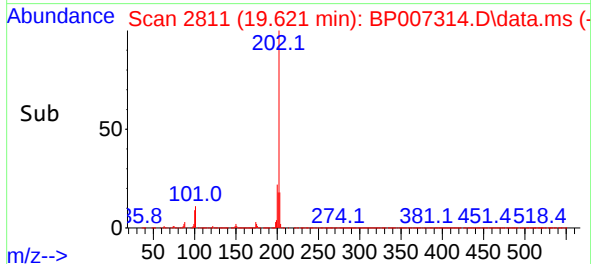
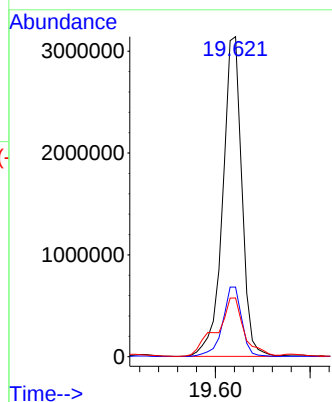
Instrument :
BNA_P
ClientSampleId :
NB-08-100121



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

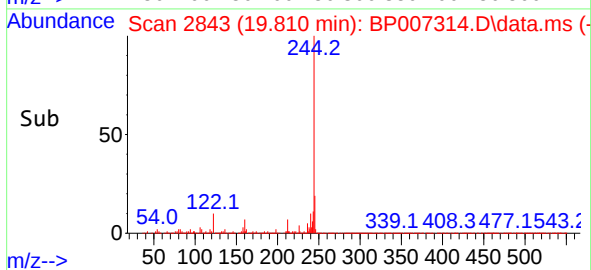
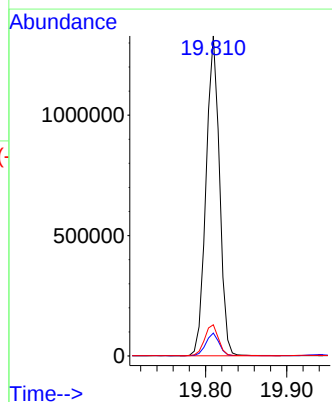
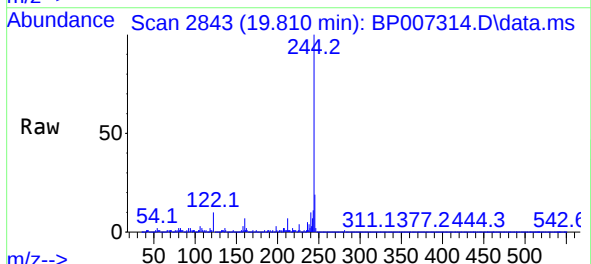
Manual Integrations
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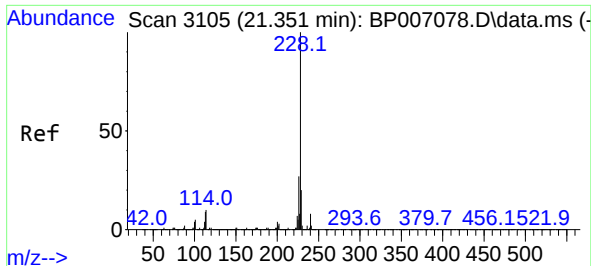
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#79
Terphenyl-d14
Concen: 27.56 ng
RT: 19.810 min Scan# 2843
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

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





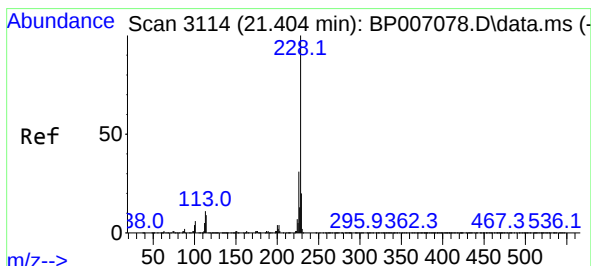
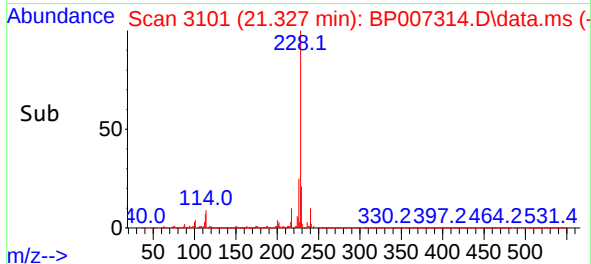
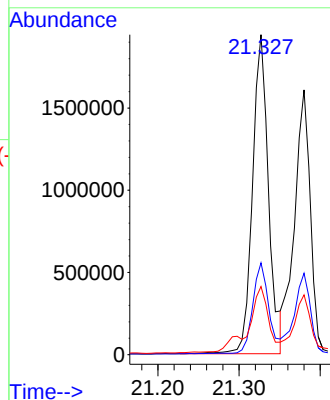
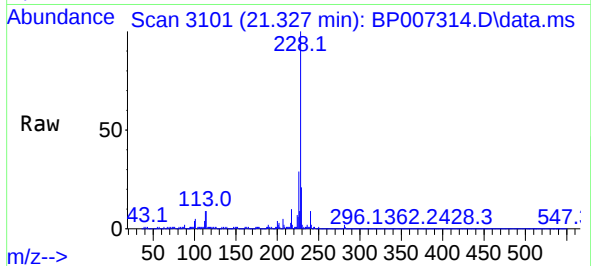
#81
Benzo(a)anthracene
Concen: 38.73 ng
RT: 21.327 min Scan# 3101
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

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

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

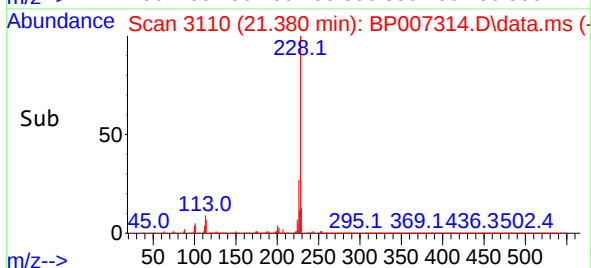
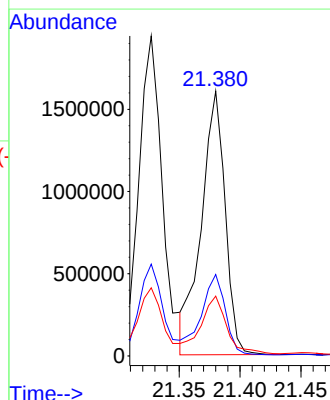
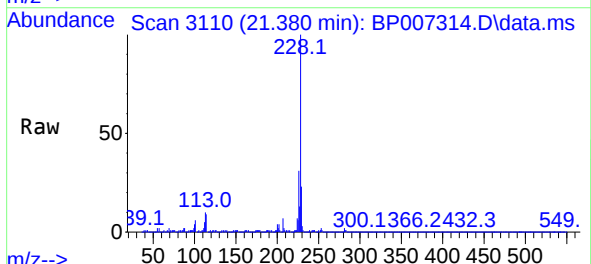
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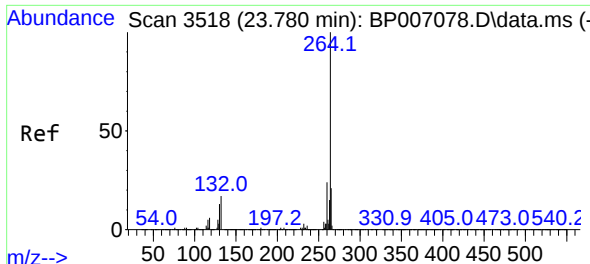
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#83
Chrysene
Concen: 33.26 ng
RT: 21.380 min Scan# 3110
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

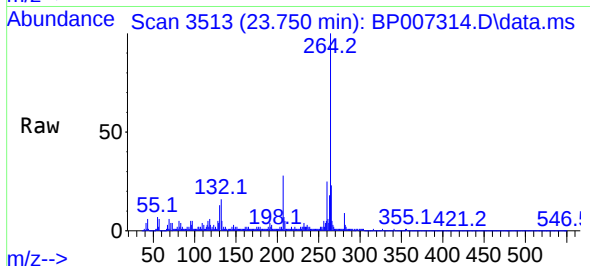
Tgt Ion:228 Resp: 2184125
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.6
229 22.6 15.4 23.2





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.750 min Scan# 3513
Delta R.T. 0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

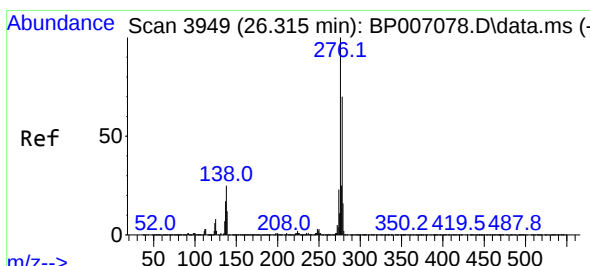
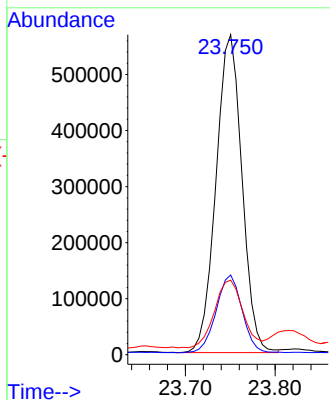
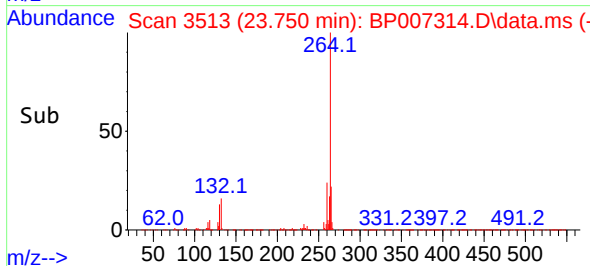
Instrument :
BNA_P
ClientSampleId :
NB-08-100121



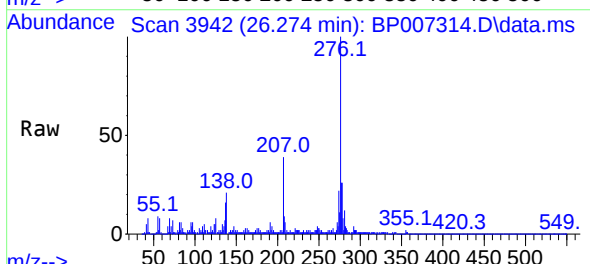
Tgt Ion:264 Resp: 1140090
Ion Ratio Lower Upper
264 100
260 24.9 18.6 28.0
265 23.3 17.6 26.4

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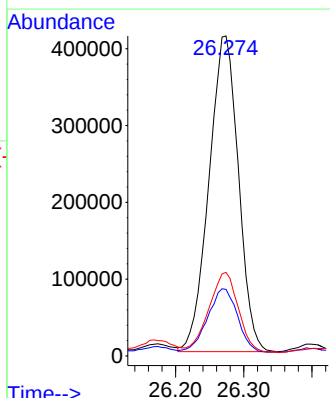
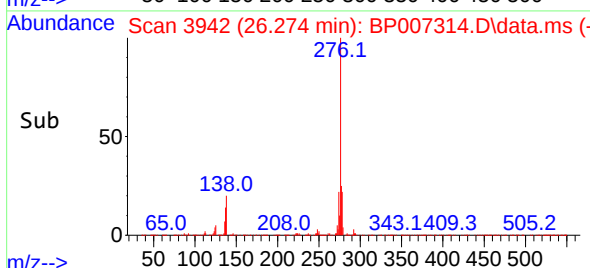
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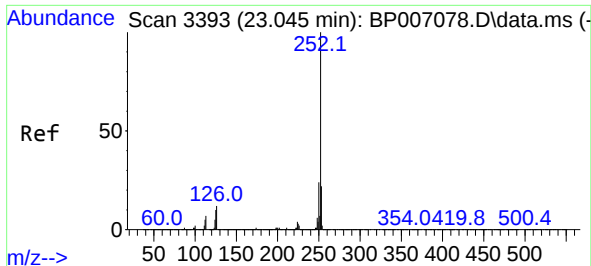


#87
Indeno(1,2,3-cd)pyrene
Concen: 15.10 ng
RT: 26.274 min Scan# 3942
Delta R.T. 0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20



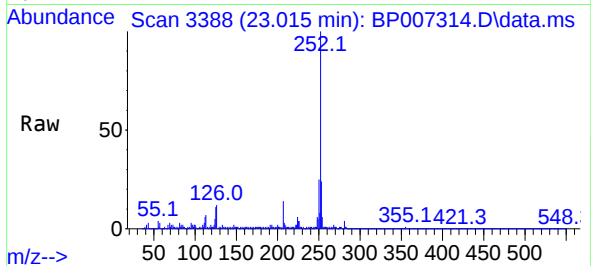
Tgt Ion:276 Resp: 1236861
Ion Ratio Lower Upper
276 100
138 20.8 15.3 22.9
277 25.4 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 39.49 ng
RT: 23.015 min Scan# 3388
Delta R.T. 0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

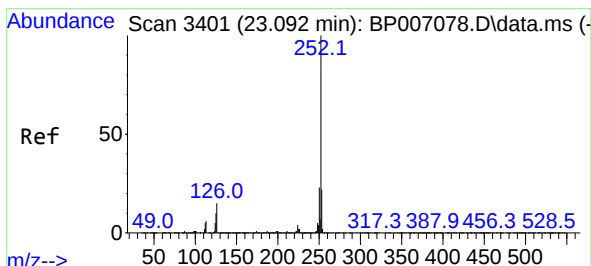
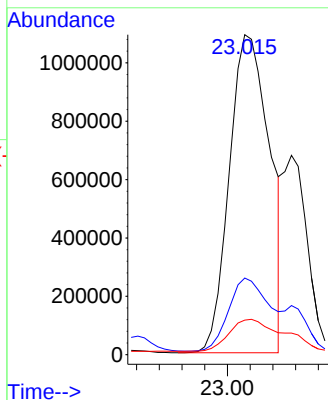
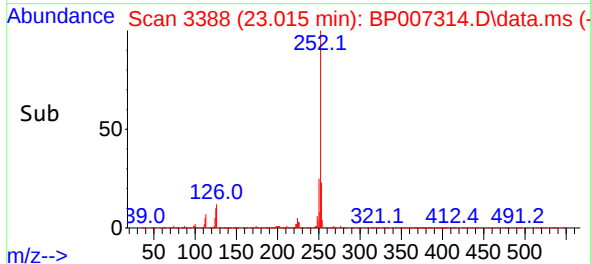
Instrument :
BNA_P
ClientSampleId :
NB-08-100121



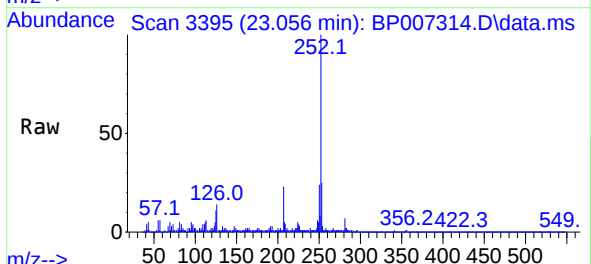
Tgt Ion:252 Resp: 2690573
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 10.8 6.2 9.4#

Manual Integrations
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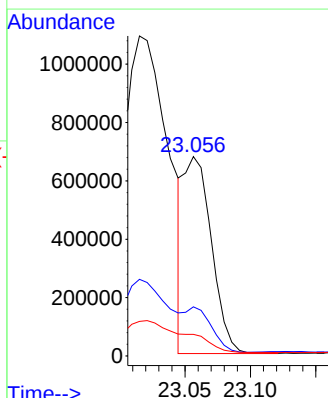
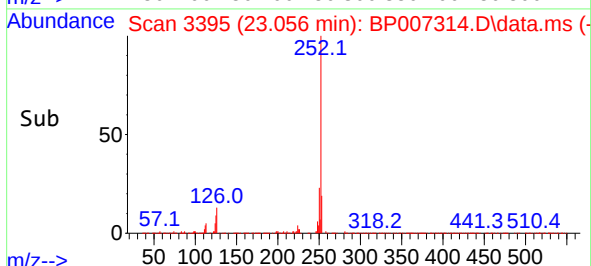
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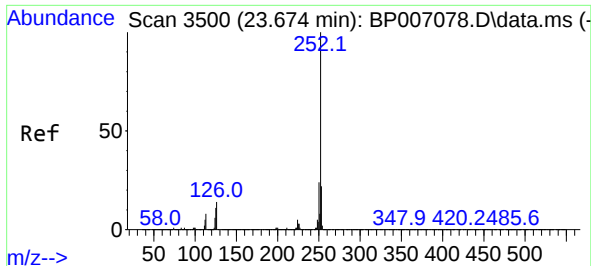


#89
Benzo(k)fluoranthene
Concen: 14.37 ng m
RT: 23.056 min Scan# 3395
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20



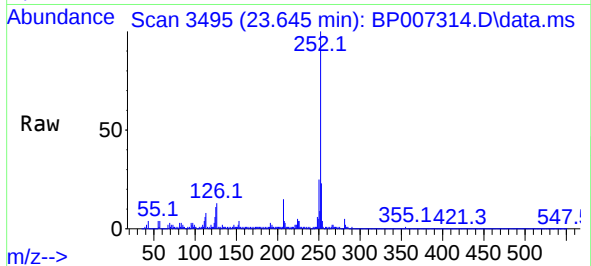
Tgt Ion:252 Resp: 991231
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 10.8 6.0 9.0#





#90
Benzo(a)pyrene
Concen: 36.93 ng
RT: 23.645 min Scan# 3495
Delta R.T. 0.006 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20

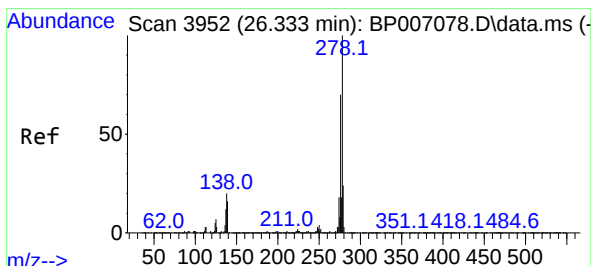
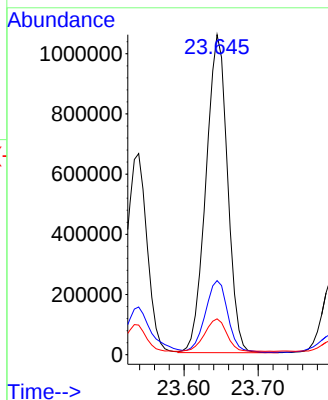
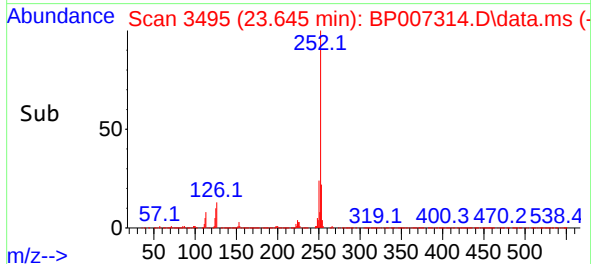
Instrument :
BNA_P
ClientSampleId :
NB-08-100121



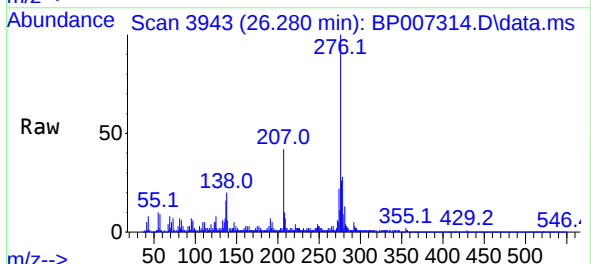
Tgt Ion:252 Resp: 2137472
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 11.2 6.5 9.7#

Manual Integrations
APPROVED

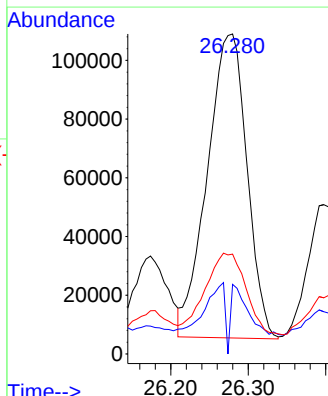
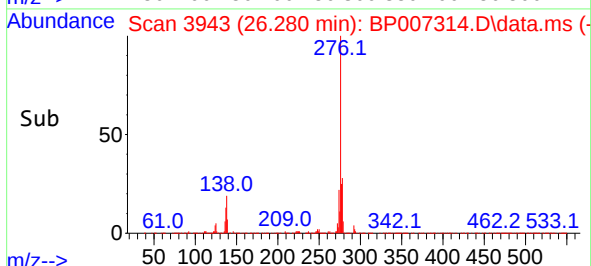
mohammad
10/5/2021 12:08:17 PM

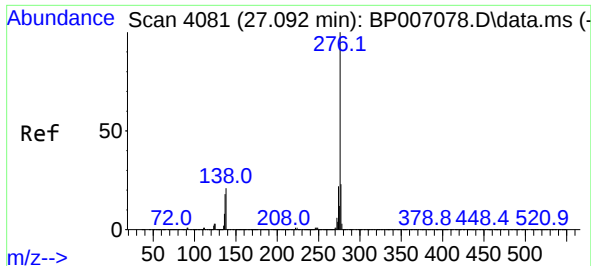


#91
Dibenzo(a,h)anthracene
Concen: 5.37 ng
RT: 26.280 min Scan# 3943
Delta R.T. -0.000 min
Lab File: BP007314.D
Acq: 04 Oct 2021 20:20



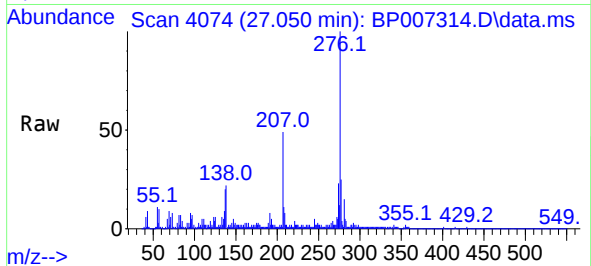
Tgt Ion:278 Resp: 368879
Ion Ratio Lower Upper
278 100
139 21.8 9.3 13.9#
279 31.2 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 17.22 ng
RT: 27.050 min Scan# 4074
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: 1153816
Ion Ratio Lower Upper
276 100
277 25.0 18.9 28.3
138 21.8 12.6 18.8#

Manual Integrations
APPROVED

mohammad
10/5/2021 12:08:17 PM

