

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060421\
 Data File : BP005726.D
 Acq On : 04 Jun 2021 23:24
 Operator : CG/JU
 Sample : M2589-20 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 18-B12(4-6)

Manual Integrations
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Quant Time: Jun 05 03:26:26 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 27 16:11:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	172337	20.000	ng	0.00
21) Naphthalene-d8	10.793	136	659439	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	407616	20.000	ng	0.00
64) Phenanthrene-d10	17.357	188	822748	20.000	ng	# 0.00
76) Chrysene-d12	21.427	240	837420	20.000	ng	# 0.00
86) Perylene-d12	23.874	264	988467	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	356216	32.136	ng	0.00
7) Phenol-d6	7.152	99	435408	28.814	ng	0.00
23) Nitrobenzene-d5	9.146	82	286411	24.154	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	212649	40.684	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	674818	21.910	ng	0.00
79) Terphenyl-d14	19.898	244	992264	22.234	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.846	128	498631	12.697	ng	98
37) 2-Methylnaphthalene	12.446	142	157475	5.659	ng	# 86
38) 1-Methylnaphthalene	12.663	142	105216	3.985	ng	# 96
49) Acenaphthylene	14.334	152	102405	2.442	ng	97
52) Acenaphthene	14.675	154	335727	12.316	ng	96
55) Dibenzofuran	15.004	168	292383	6.998	ng	98
58) Fluorene	15.657	166	410608	12.291	ng	100
71) Phenanthrene	17.404	178	3570121	69.651	ng	100
72) Anthracene	17.492	178	997115	19.702	ng	99
73) Carbazole	17.757	167	469413	9.424	ng	99
75) Fluoranthene	19.375	202	4547454	73.907	ng	96
78) Pyrene	19.716	202	3860816	65.338	ng	98
80) Butylbenzylphthalate	20.563	149	83920	7.340	ng	# 94
81) Benzo(a)anthracene	21.410	228	2110085	34.334	ng	97
83) Chrysene	21.463	228	1902071	31.962	ng	97
84) Bis(2-ethylhexyl)phtha...	21.322	149	772115	23.131	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.457	276	1326875	15.778	ng	# 94
88) Benzo(b)fluoranthene	23.127	252	2654044	37.006	ng	# 96
89) Benzo(k)fluoranthene	23.174	252	768945m	11.315	ng	
90) Benzo(a)pyrene	23.769	252	1906489	29.220	ng	# 93
91) Dibenzo(a,h)anthracene	26.463	278	357093	4.893	ng	# 82
92) Benzo(g,h,i)perylene	27.257	276	1274593	18.106	ng	# 93

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

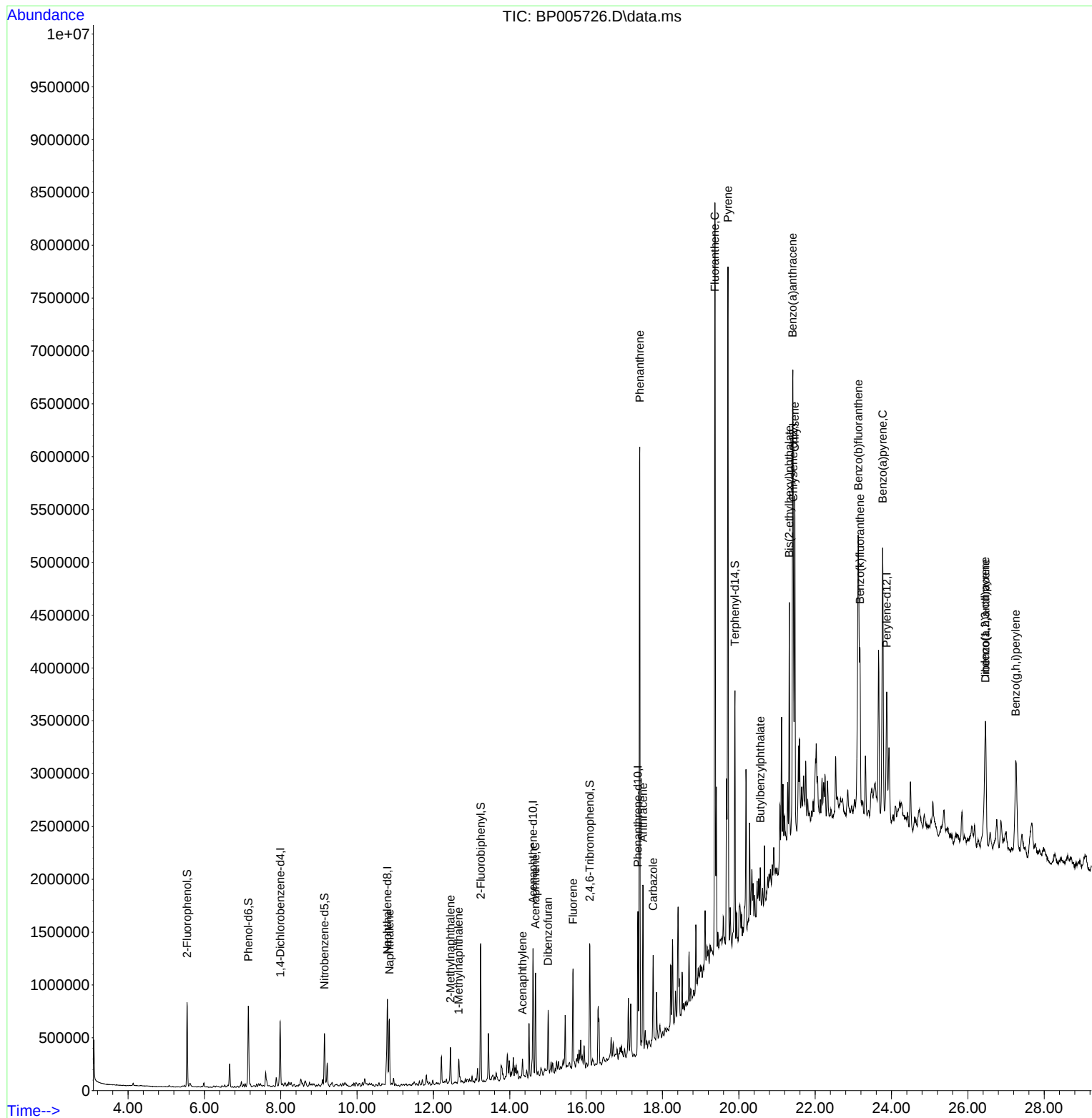
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060421\
Data File : BP005726.D
Acq On : 04 Jun 2021 23:24
Operator : CG/JU
Sample : M2589-20 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

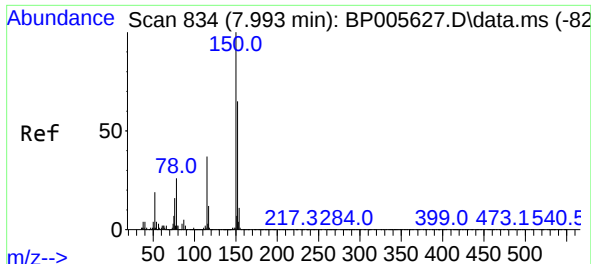
Instrument :
BNA_P
ClientSampled :
18-B12(4-6)

Manual Integrations
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Quant Time: Jun 05 03:26:26 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 27 16:11:11 2021
Response via : Initial Calibration





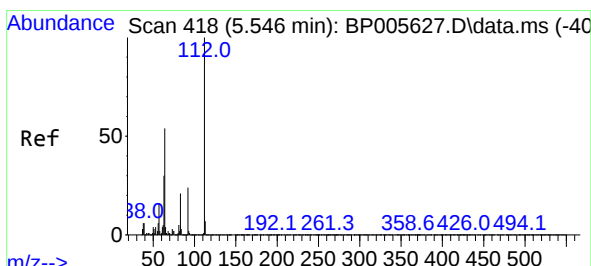
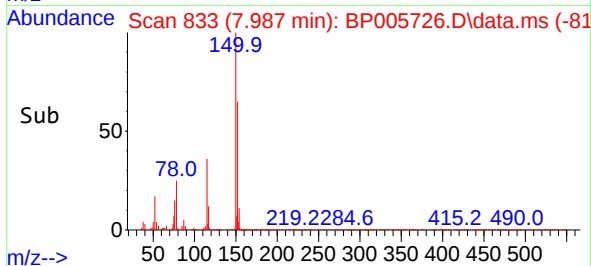
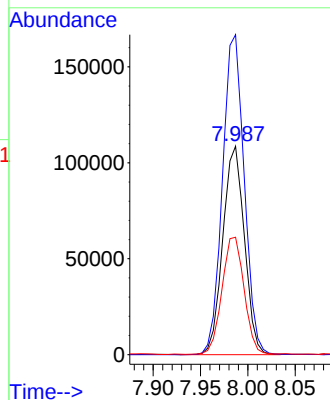
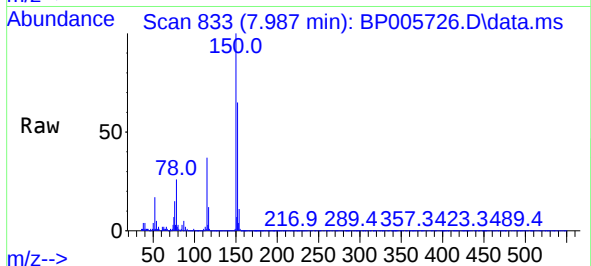
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.987 min Scan# 833
Delta R.T. -0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

Tgt Ion:152 Resp: 172337
Ion Ratio Lower Upper
152 100
150 153.5 119.8 179.8
115 56.3 49.0 73.4

Instrument :
BNA_P
ClientSampled :
18-B12(4-6)

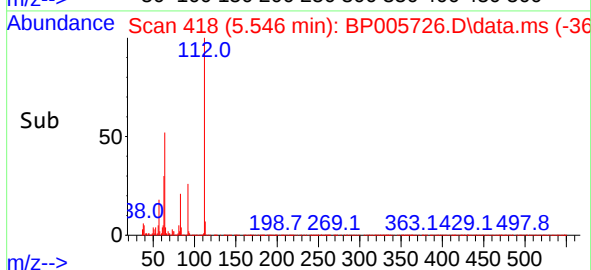
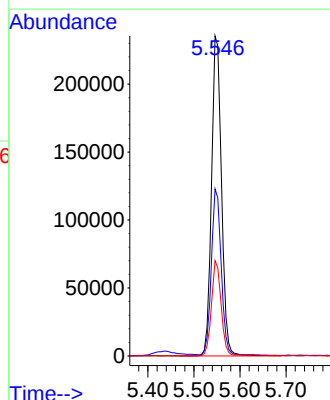
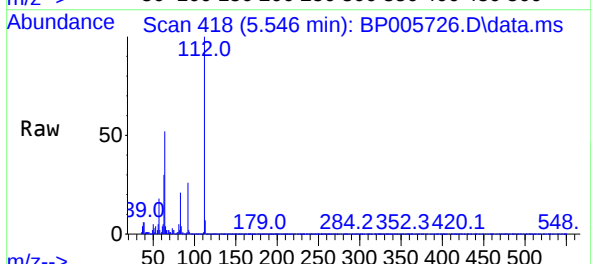
Manual Integrations
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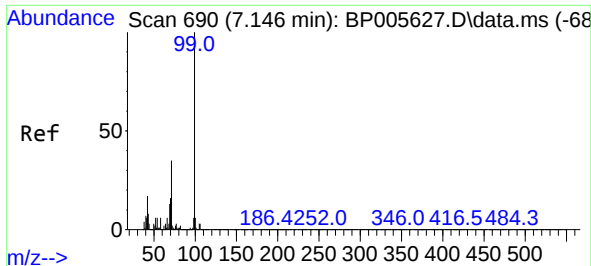
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#5
2-Fluorophenol
Concen: 32.136 ng
RT: 5.546 min Scan# 418
Delta R.T. -0.000 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

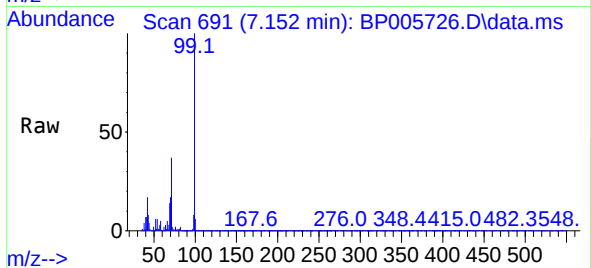
Tgt Ion:112 Resp: 356216
Ion Ratio Lower Upper
112 100
64 52.2 33.6 50.4#
63 29.8 18.6 27.8#





#7
Phenol-d6
Concen: 28.814 ng
RT: 7.152 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

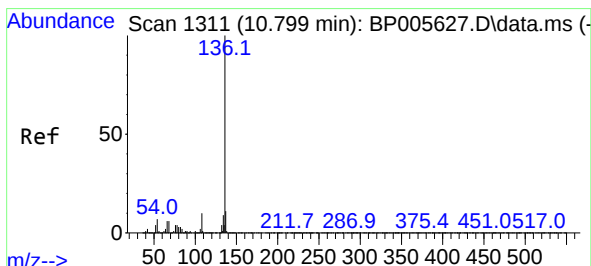
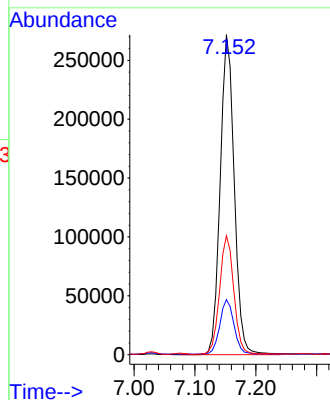
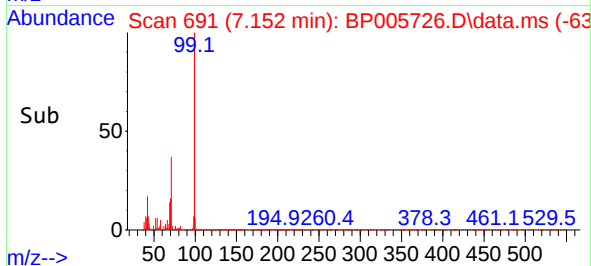
Instrument :
BNA_P
ClientSampled :
18-B12(4-6)



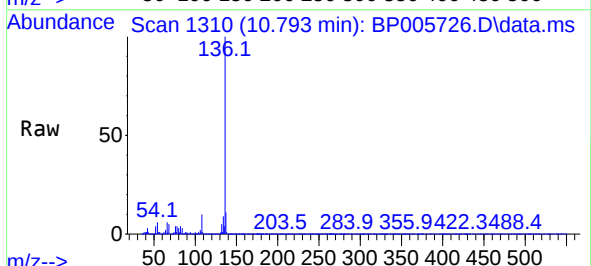
Tgt Ion: 99 Resp: 435408
Ion Ratio Lower Upper
99 100
42 17.2 12.9 19.3
71 37.1 26.7 40.1

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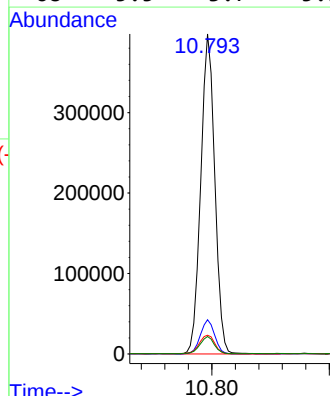
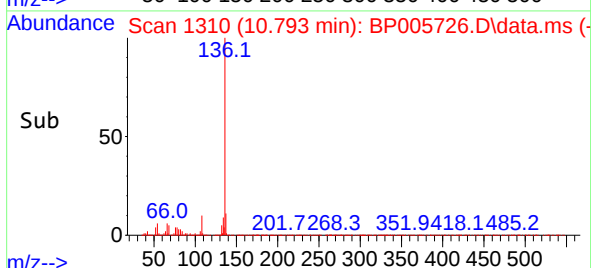
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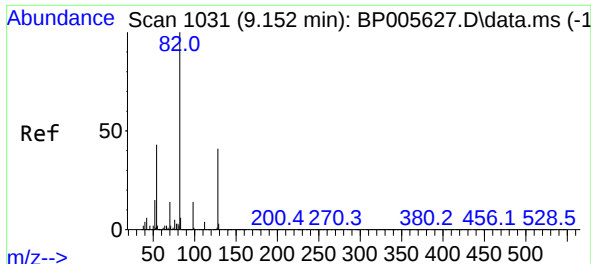


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.793 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24



Tgt Ion: 136 Resp: 659439
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 5.8 5.0 7.4
68 5.5 3.7 5.5





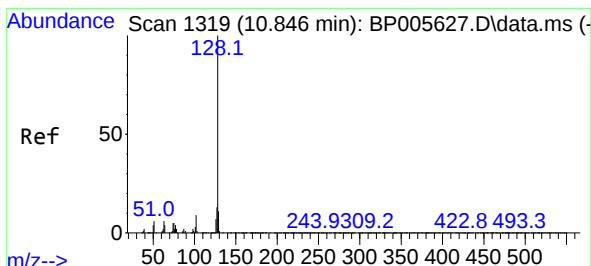
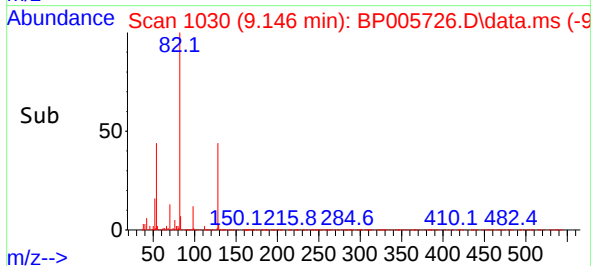
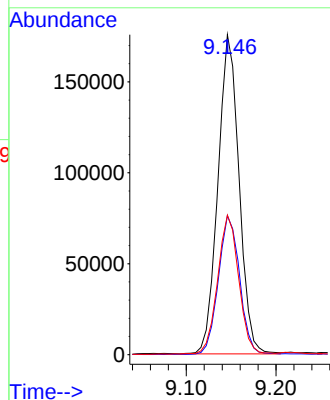
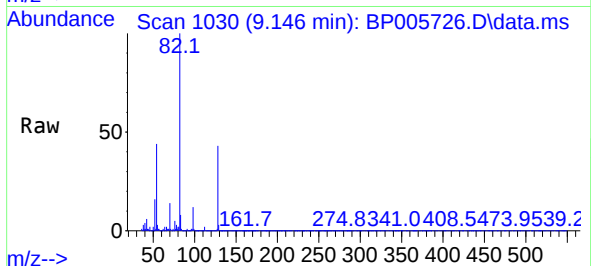
#23
Nitrobenzene-d5
Concen: 24.154 ng
RT: 9.146 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

Tgt Ion: 82 Resp: 286411
Ion Ratio Lower Upper
82 100
128 43.4 30.5 45.7
54 43.6 33.9 50.9

Instrument :
BNA_P
ClientSampled :
18-B12(4-6)

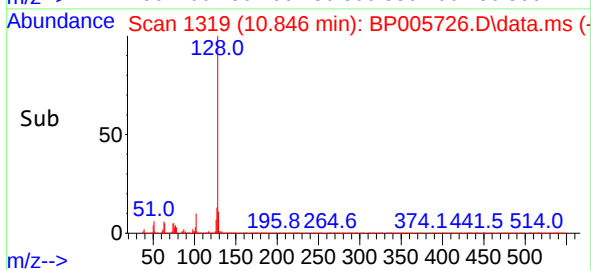
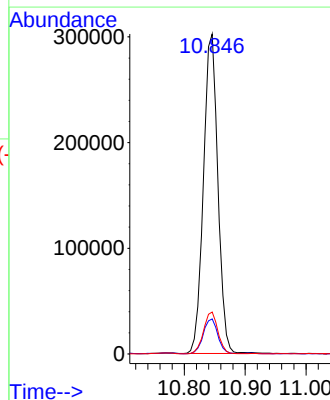
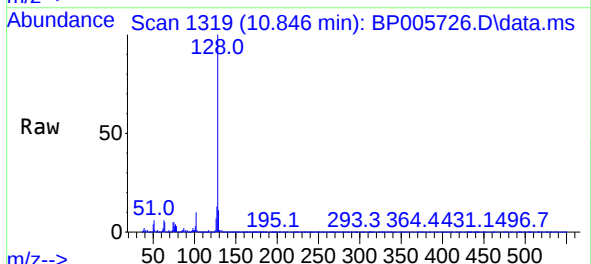
Manual Integrations
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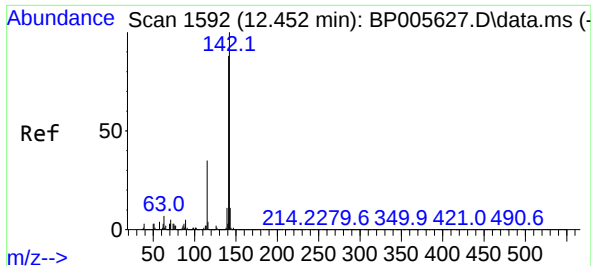
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#31
Naphthalene
Concen: 12.697 ng
RT: 10.846 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

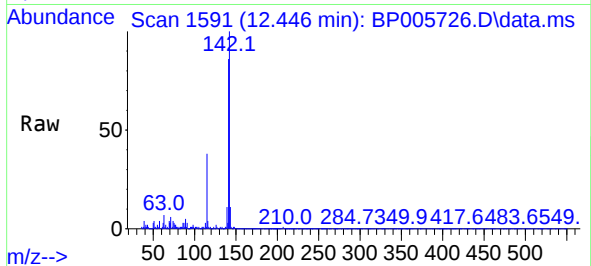
Tgt Ion: 128 Resp: 498631
Ion Ratio Lower Upper
128 100
129 10.9 8.0 12.0
127 13.1 11.1 16.7





#37
2-Methylnaphthalene
Concen: 5.659 ng
RT: 12.446 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

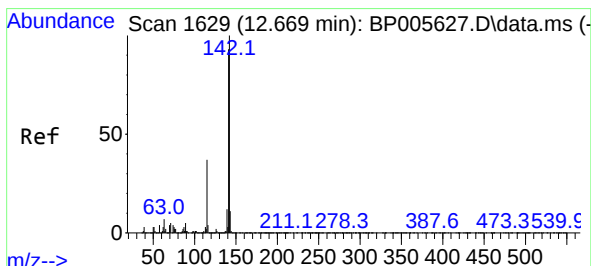
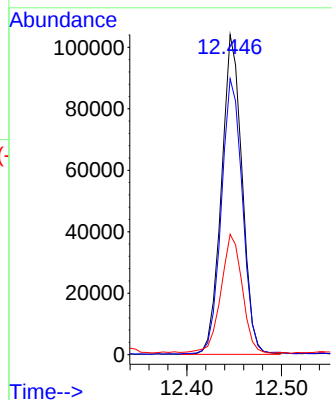
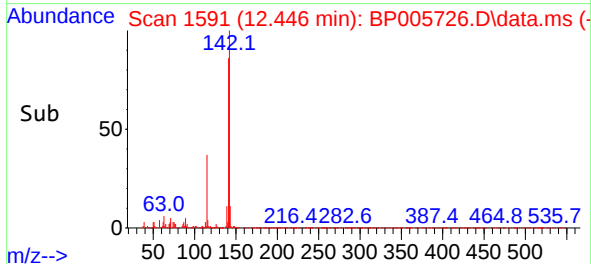
Instrument :
BNA_P
ClientSampled :
18-B12(4-6)



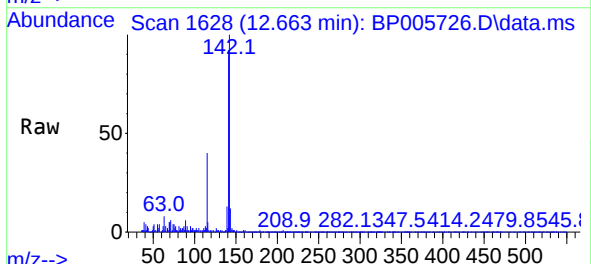
Tgt Ion:142 Resp: 157475
Ion Ratio Lower Upper
142 100
141 86.3 74.7 112.1
115 37.6 43.8 65.8#

Manual Integrations
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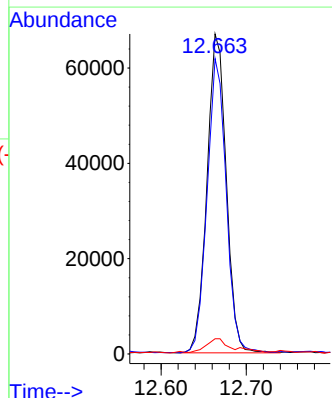
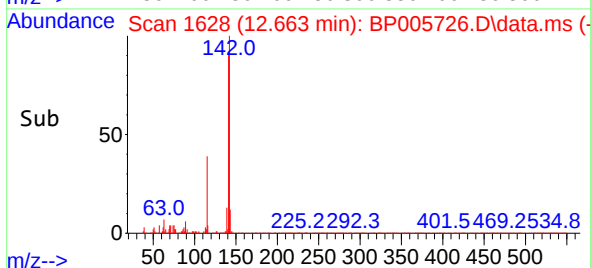
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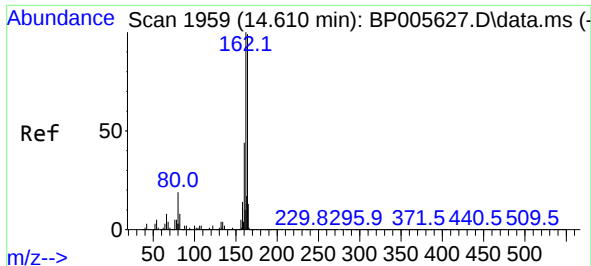


#38
1-Methylnaphthalene
Concen: 3.985 ng
RT: 12.663 min Scan# 1628
Delta R.T. -0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24



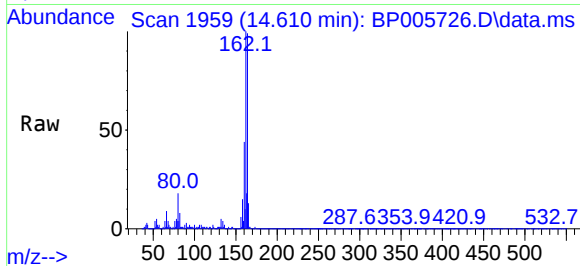
Tgt Ion:142 Resp: 105216
Ion Ratio Lower Upper
142 100
141 92.3 77.0 115.6
116 4.7 5.0 7.6#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

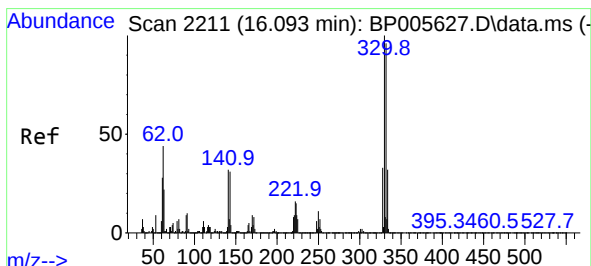
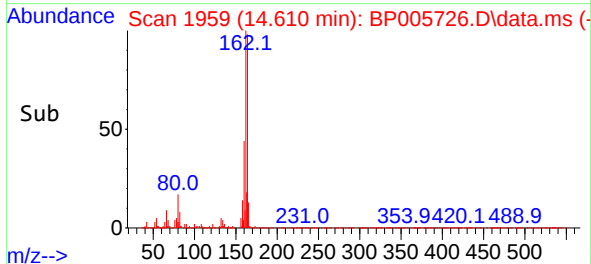
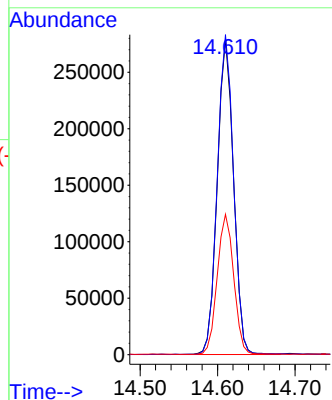
Instrument :
BNA_P
ClientSampleId :
18-B12(4-6)



Tgt Ion:164 Resp: 407616
Ion Ratio Lower Upper
164 100
162 101.5 73.5 110.3
160 44.5 40.6 61.0

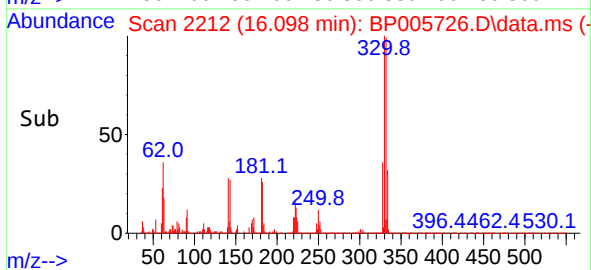
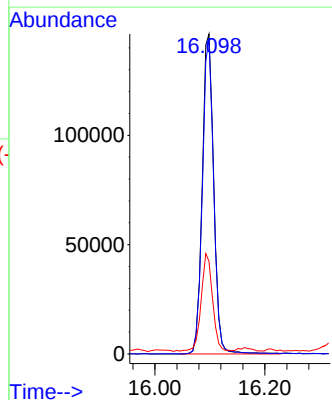
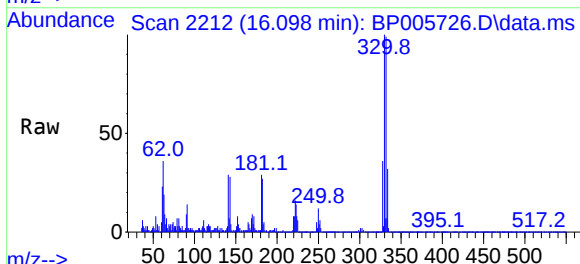
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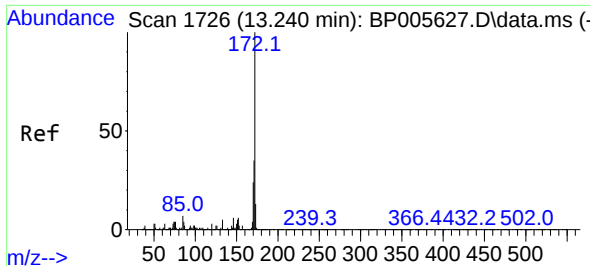
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#42
2,4,6-Tribromophenol
Concen: 40.684 ng
RT: 16.098 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

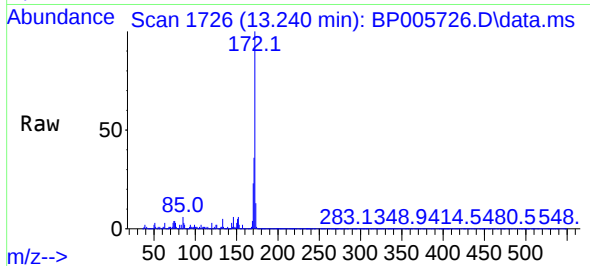
Tgt Ion:330 Resp: 212649
Ion Ratio Lower Upper
330 100
332 96.8 76.3 114.5
141 30.6 22.8 34.2





#45
2-Fluorobiphenyl
Concen: 21.910 ng
RT: 13.240 min Scan# 1726
Delta R.T. -0.000 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

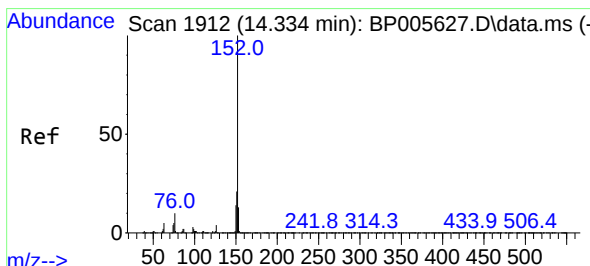
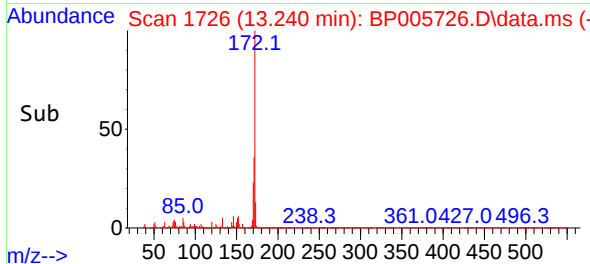
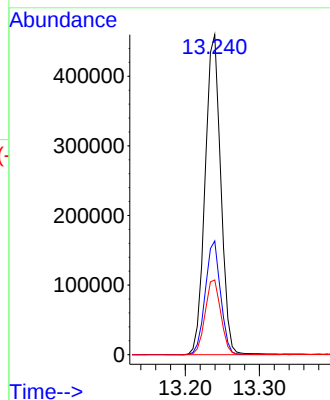
Instrument :
BNA_P
ClientSampleId :
18-B12(4-6)



Tgt Ion:172 Resp: 674818
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.3 19.6 29.4

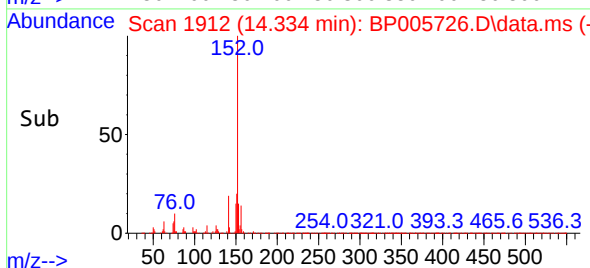
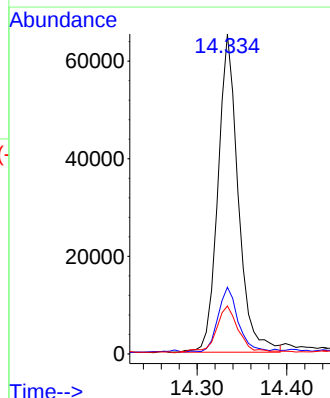
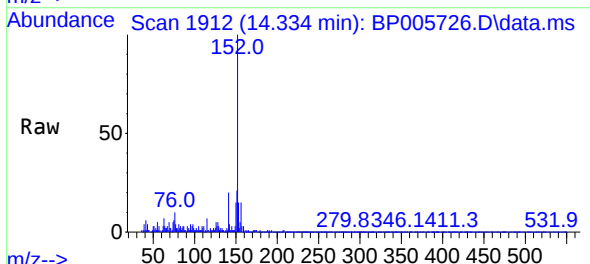
Manual Integrations
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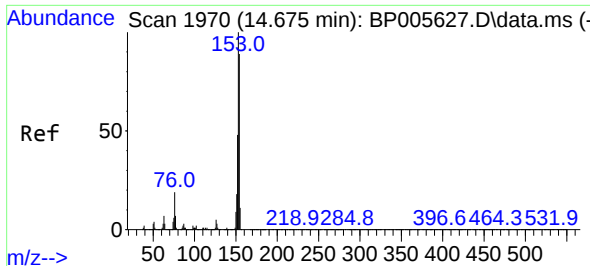
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#49
Acenaphthylene
Concen: 2.442 ng
RT: 14.334 min Scan# 1912
Delta R.T. -0.000 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

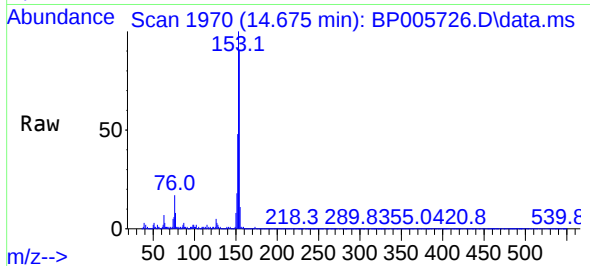
Tgt Ion:152 Resp: 102405
Ion Ratio Lower Upper
152 100
151 20.8 15.8 23.6
153 15.0 10.5 15.7





#52
Acenaphthene
Concen: 12.316 ng
RT: 14.675 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

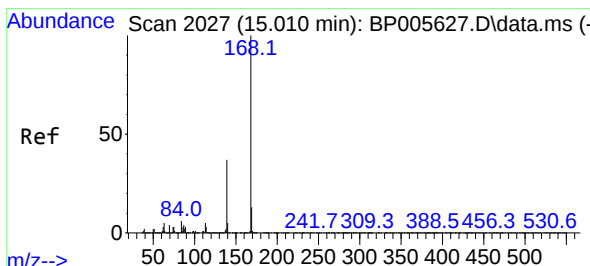
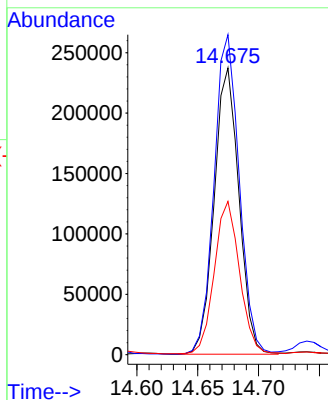
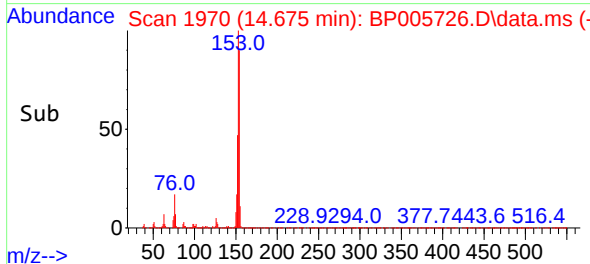
Instrument :
BNA_P
ClientSampleId :
18-B12(4-6)



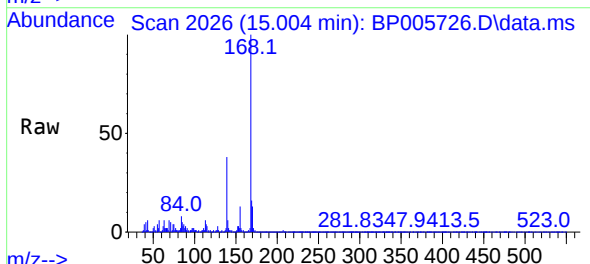
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Ion Ratio Lower Upper
154 100
153 111.6 90.9 136.3
152 53.5 48.5 72.7

Manual Integrations
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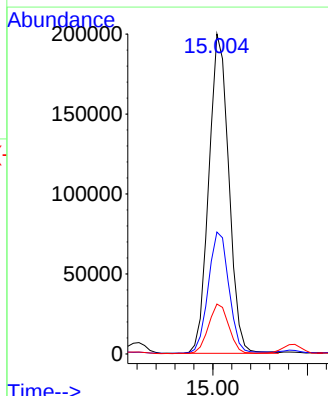
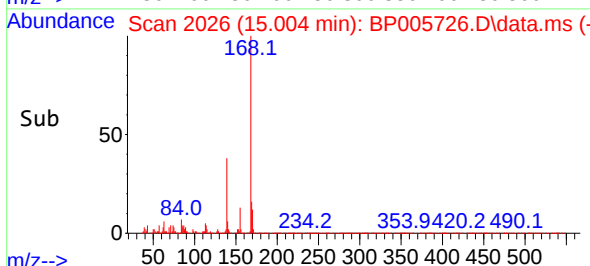
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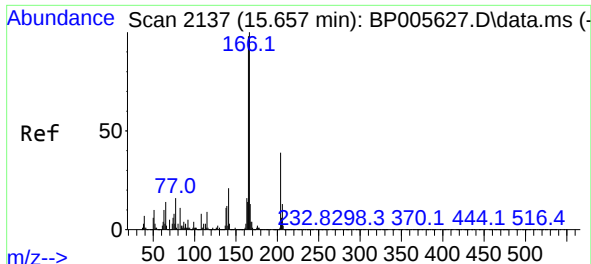


#55
Dibenzofuran
Concen: 6.998 ng
RT: 15.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24



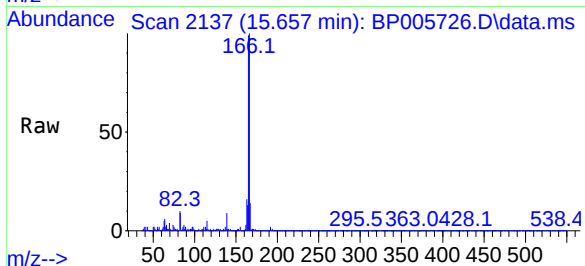
Tgt Ion:168 Resp: 292383
Ion Ratio Lower Upper
168 100
139 38.1 31.4 47.0
169 15.6 11.4 17.0





#58
Fluorene
Concen: 12.291 ng
RT: 15.657 min Scan# 2137
Delta R.T. -0.000 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

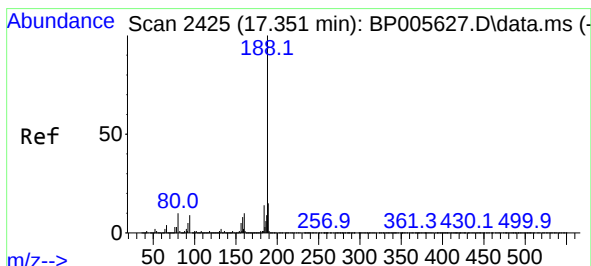
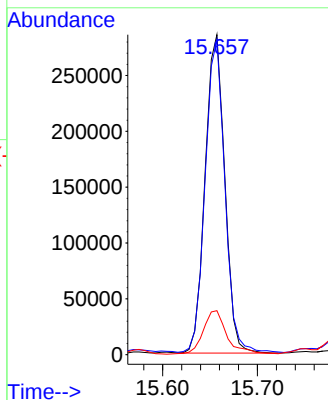
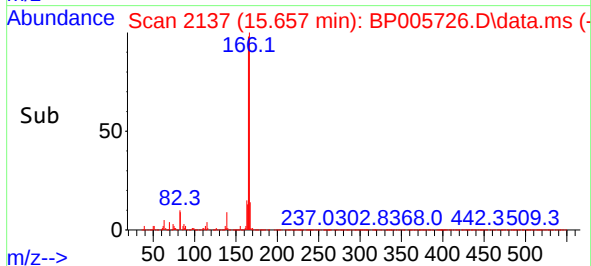
Instrument :
BNA_P
ClientSampleId :
18-B12(4-6)



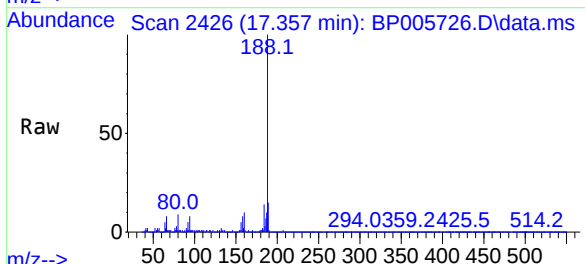
Tgt Ion:166 Resp: 410608
Ion Ratio Lower Upper
166 100
165 98.5 78.8 118.2
167 13.7 10.9 16.3

Manual Integrations
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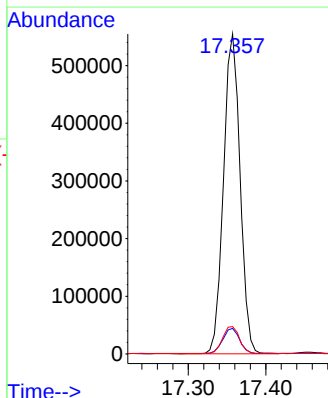
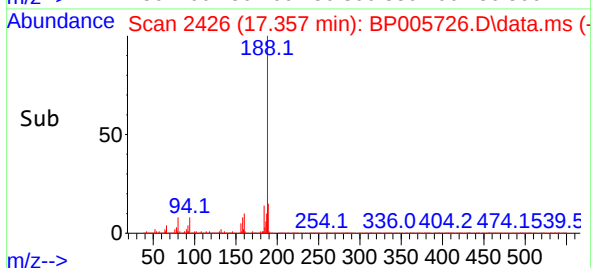
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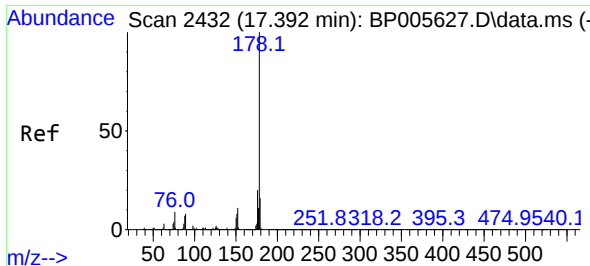


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.357 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24



Tgt Ion:188 Resp: 822748
Ion Ratio Lower Upper
188 100
94 8.0 5.0 7.6#
80 8.6 5.9 8.9





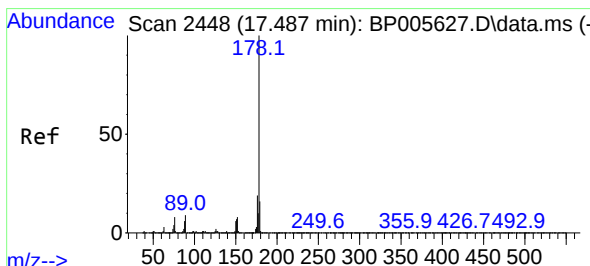
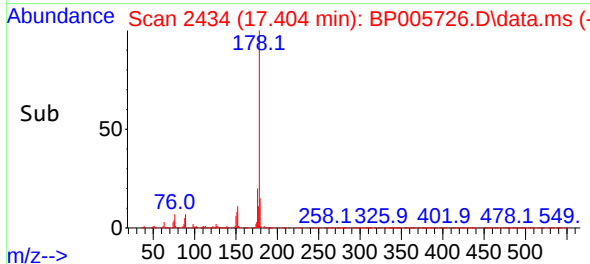
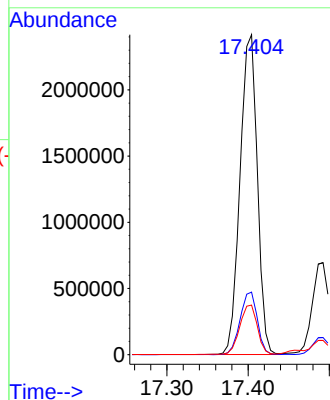
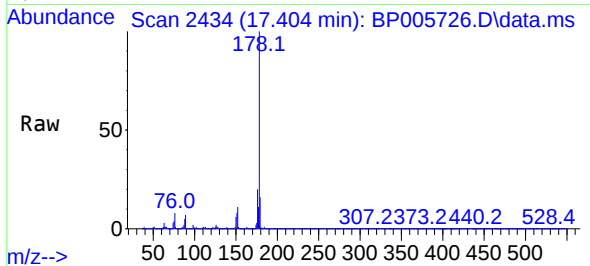
#71
Phenanthrene
Concen: 69.651 ng
RT: 17.404 min Scan# 2434
Delta R.T. 0.012 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

Tgt Ion:178 Resp: 3570121
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.5 12.3 18.5

Instrument :
BNA_P
ClientSampleId :
18-B12(4-6)

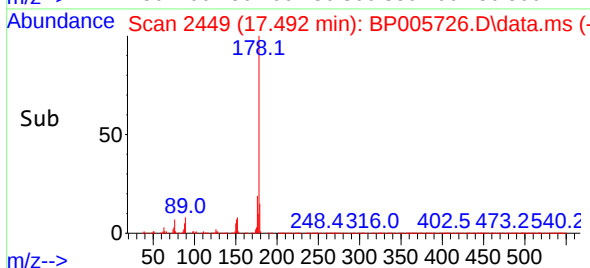
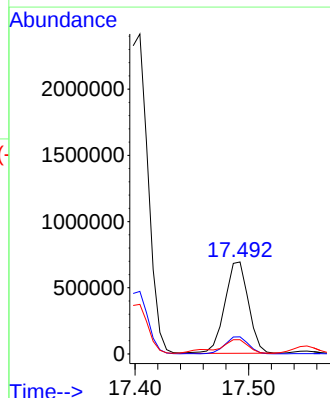
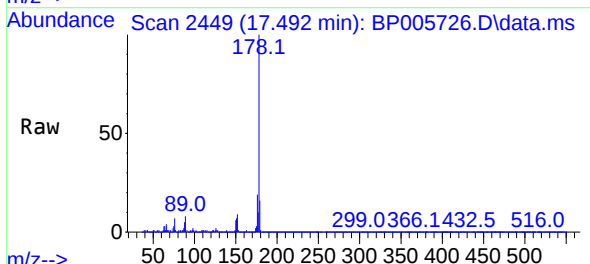
Manual Integrations
APPROVED

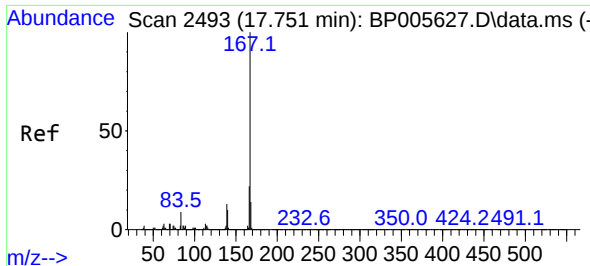
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#72
Anthracene
Concen: 19.702 ng
RT: 17.492 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

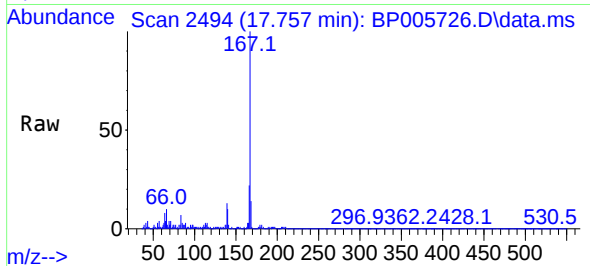
Tgt Ion:178 Resp: 997115
Ion Ratio Lower Upper
178 100
176 18.7 15.2 22.8
179 15.6 12.6 19.0





#73
 Carbazole
 Concen: 9.424 ng
 RT: 17.757 min Scan# 2494
 Delta R.T. 0.006 min
 Lab File: BP005726.D
 Acq: 04 Jun 2021 23:24

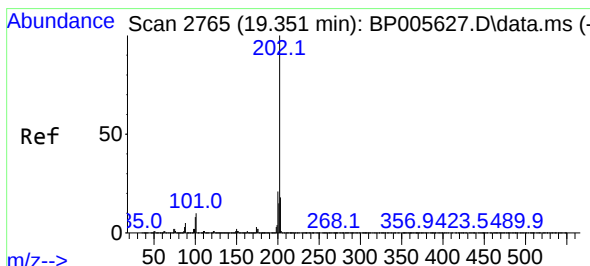
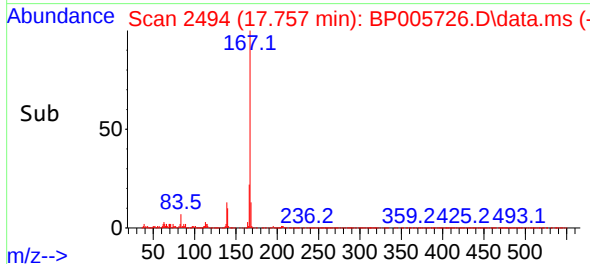
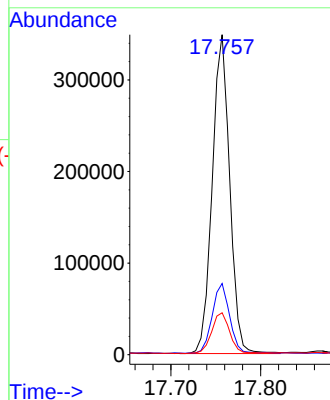
Instrument :
 BNA_P
 ClientSampled :
 18-B12(4-6)



Tgt Ion:167 Resp: 469413
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.4 26.0
 139 13.1 10.4 15.6

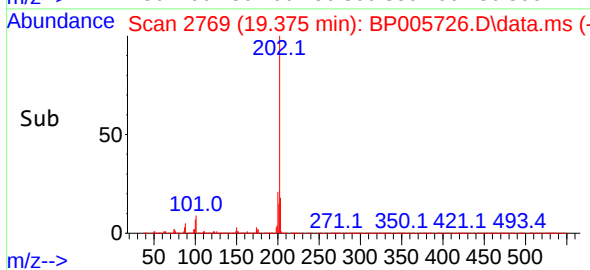
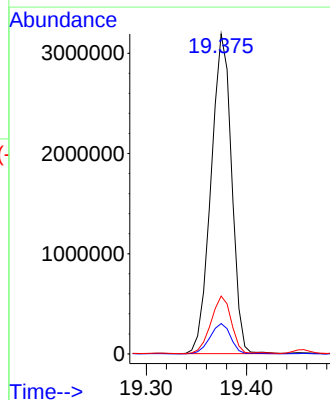
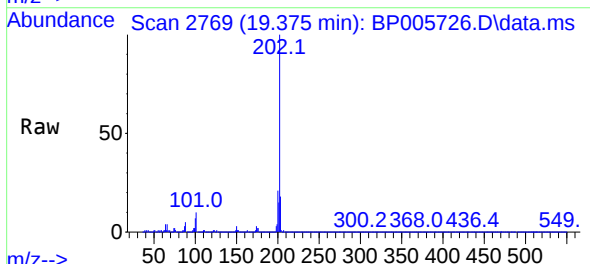
Manual Integrations
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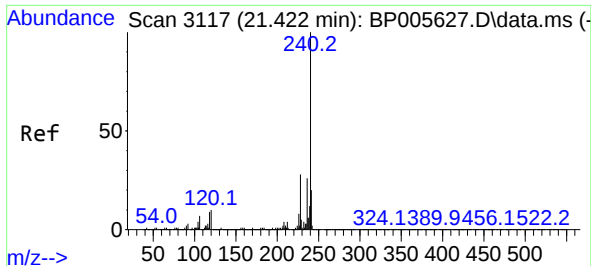
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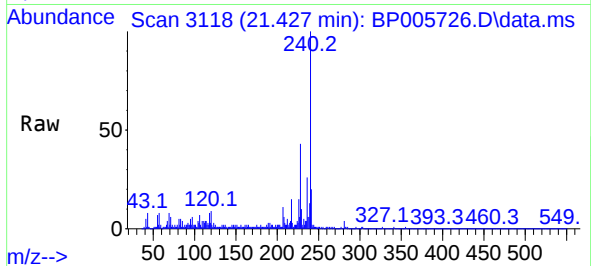
#75
 Fluoranthene
 Concen: 73.907 ng
 RT: 19.375 min Scan# 2769
 Delta R.T. 0.023 min
 Lab File: BP005726.D
 Acq: 04 Jun 2021 23:24

Tgt Ion:202 Resp: 4547454
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 26.1
 203 18.1 0.0 37.2

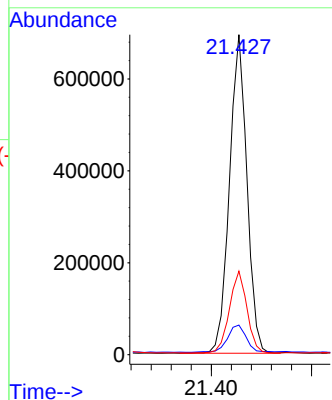




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.005 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24



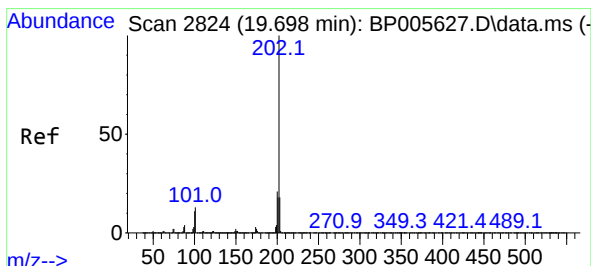
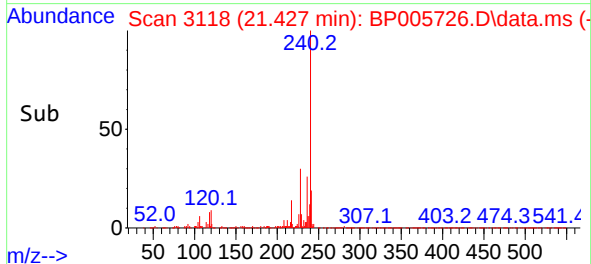
Tgt Ion:240 Resp: 837420
Ion Ratio Lower Upper
240 100
120 9.2 4.2 6.2#
236 26.1 20.2 30.2



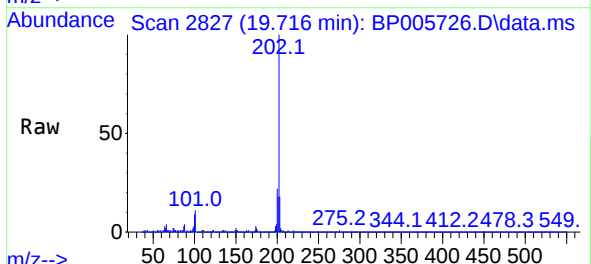
Instrument :
BNA_P
ClientSampleId :
18-B12(4-6)

Manual Integrations
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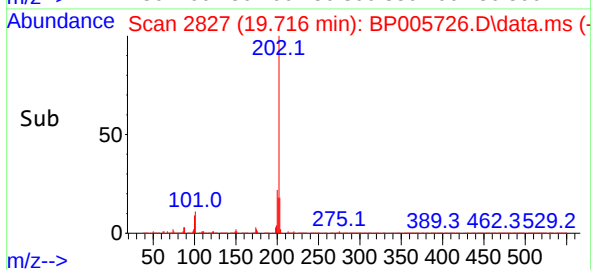
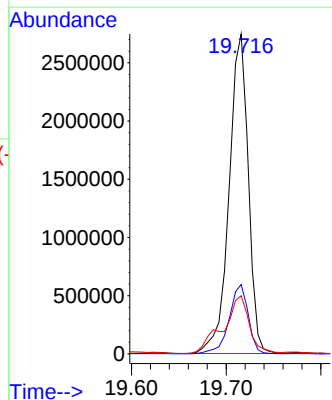
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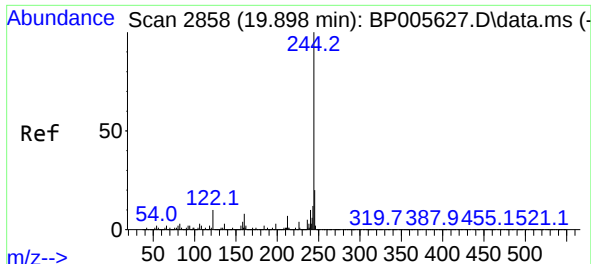


#78
Pyrene
Concen: 65.338 ng
RT: 19.716 min Scan# 2827
Delta R.T. 0.018 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24



Tgt Ion:202 Resp: 3860816
Ion Ratio Lower Upper
202 100
200 21.7 16.9 25.3
203 18.2 13.8 20.6





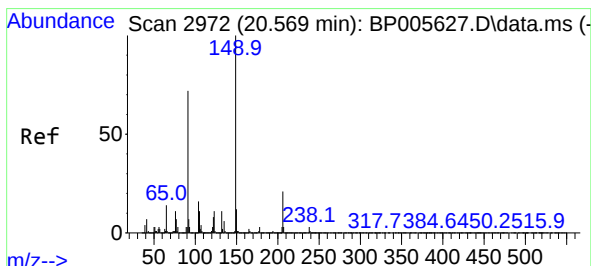
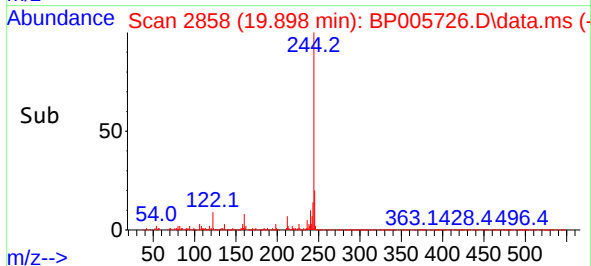
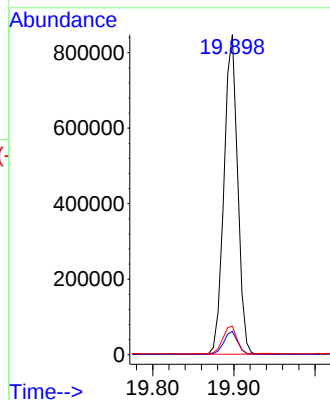
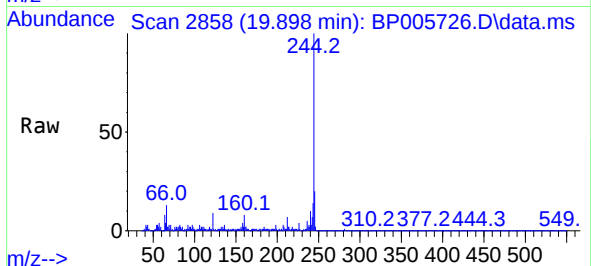
#79
Terphenyl-d14
Concen: 22.234 ng
RT: 19.898 min Scan# 2858
Delta R.T. -0.000 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

Tgt Ion:244 Resp: 992264
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 8.9 5.2 7.8#

Instrument :
BNA_P
ClientSampleId :
18-B12(4-6)

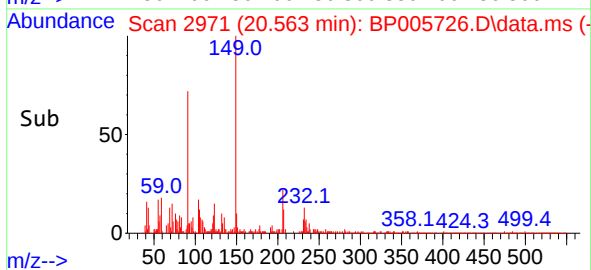
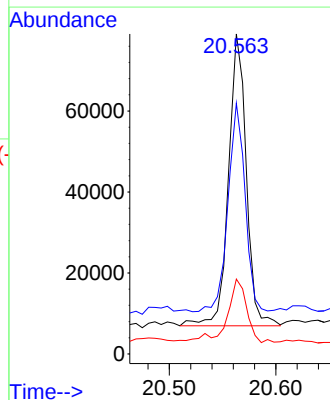
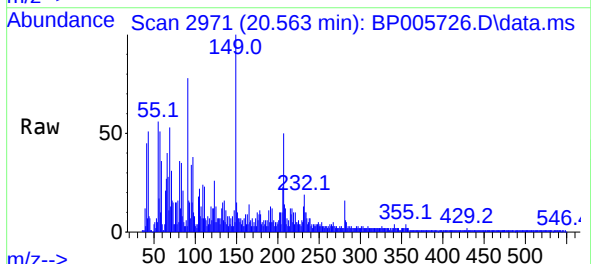
Manual Integrations
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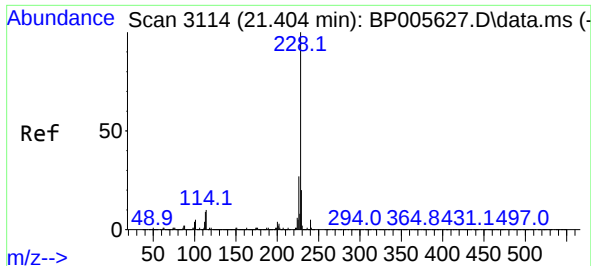
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#80
Butylbenzylphthalate
Concen: 7.340 ng
RT: 20.563 min Scan# 2971
Delta R.T. -0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

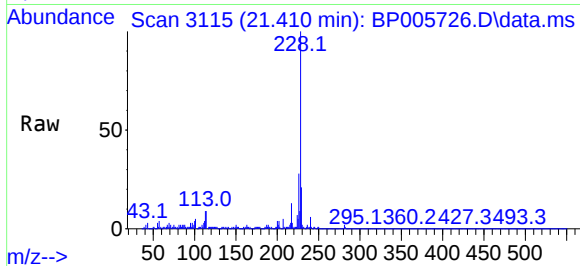
Tgt Ion:149 Resp: 83920
Ion Ratio Lower Upper
149 100
91 78.3 60.2 90.4
206 23.4 23.9 35.9#





#81
Benzo(a)anthracene
Concen: 34.334 ng
RT: 21.410 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

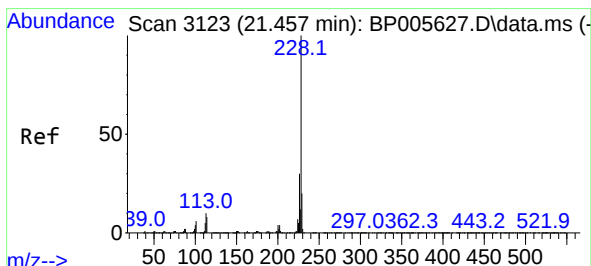
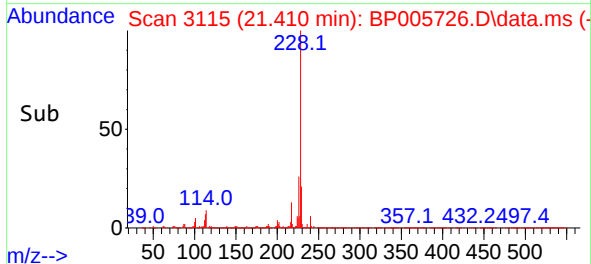
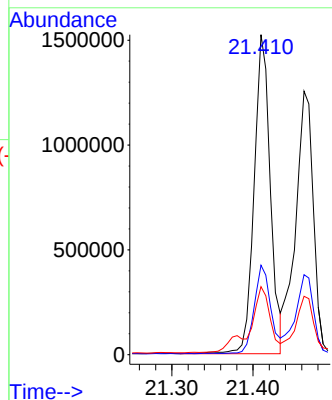
Instrument :
BNA_P
ClientSampled :
18-B12(4-6)



Tgt Ion:228 Resp: 2110085
Ion Ratio Lower Upper
228 100
226 27.9 21.2 31.8
229 21.3 15.6 23.4

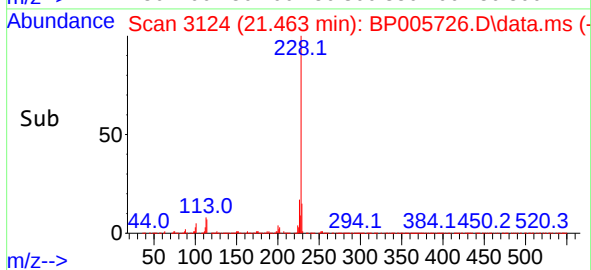
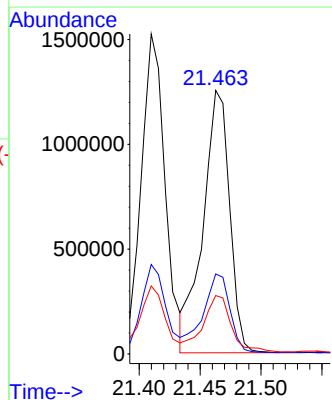
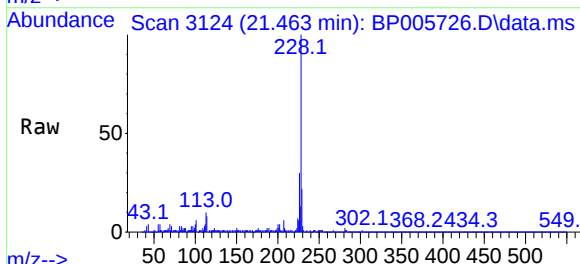
Manual Integrations
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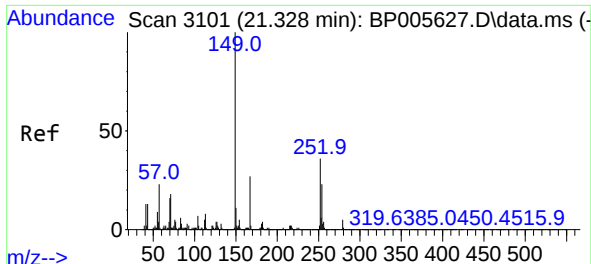
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#83
Chrysene
Concen: 31.962 ng
RT: 21.463 min Scan# 3124
Delta R.T. 0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

Tgt Ion:228 Resp: 1902071
Ion Ratio Lower Upper
228 100
226 30.4 24.8 37.2
229 22.2 15.4 23.0





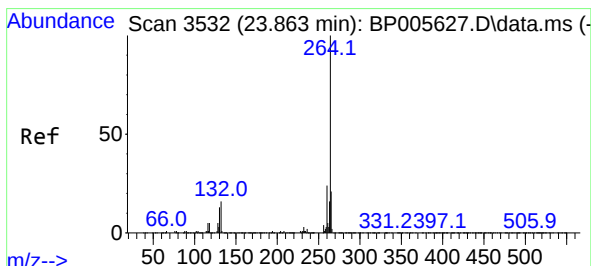
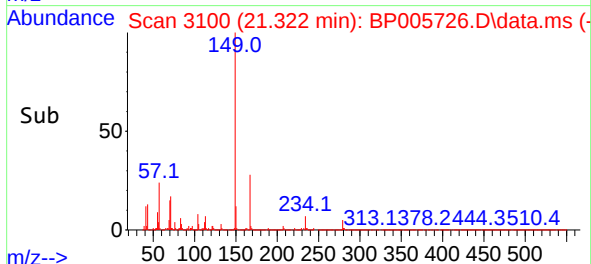
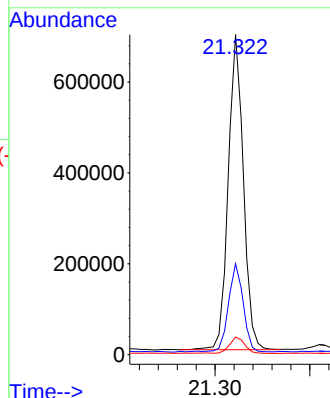
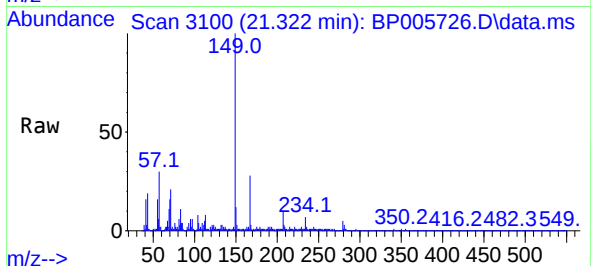
#84
Bis(2-ethylhexyl)phthalate
Concen: 23.131 ng
RT: 21.322 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

Tgt Ion:149 Resp: 772115
Ion Ratio Lower Upper
149 100
167 28.4 23.8 35.8
279 5.5 5.7 8.5#

Instrument :
BNA_P
ClientSampleId :
18-B12(4-6)

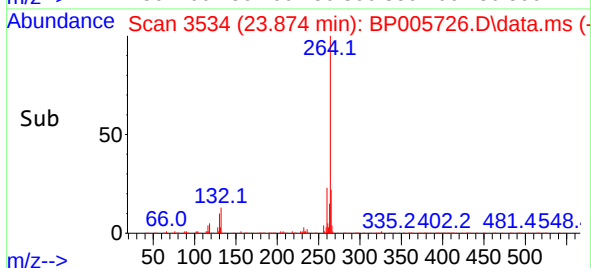
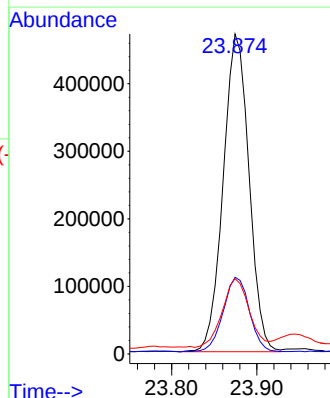
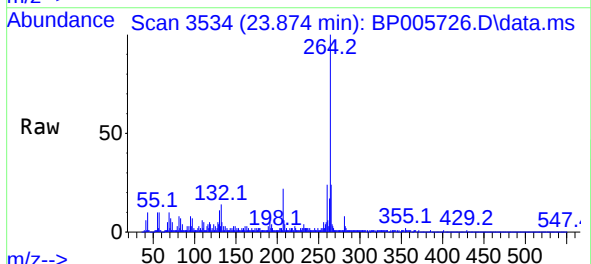
Manual Integrations
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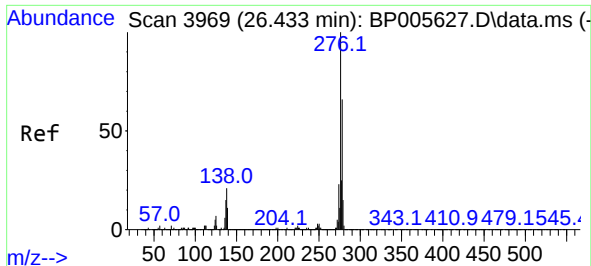
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.874 min Scan# 3534
Delta R.T. 0.012 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

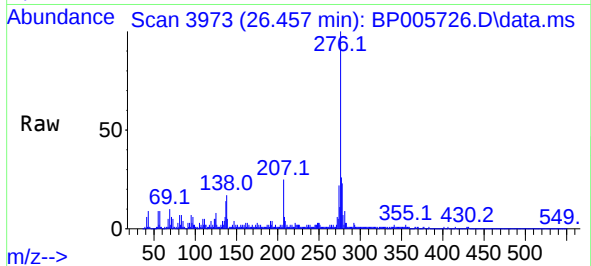
Tgt Ion:264 Resp: 988467
Ion Ratio Lower Upper
264 100
260 23.9 20.6 30.8
265 23.6 19.0 28.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 15.778 ng
RT: 26.457 min Scan# 3973
Delta R.T. 0.023 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

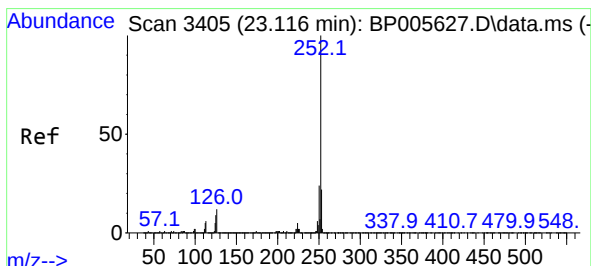
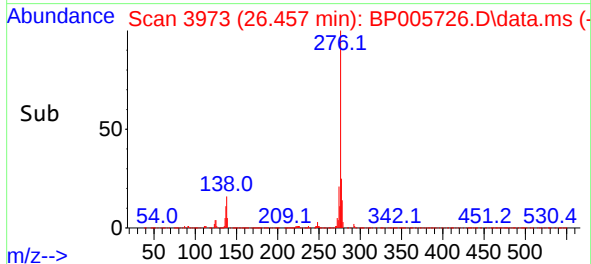
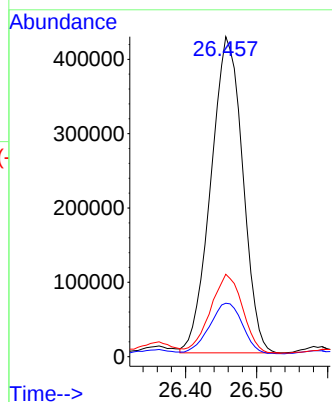
Instrument :
BNA_P
ClientSampled :
18-B12(4-6)



Tgt Ion:276 Resp: 1326875
Ion Ratio Lower Upper
276 100
138 16.7 8.4 12.6#
277 25.2 20.6 31.0

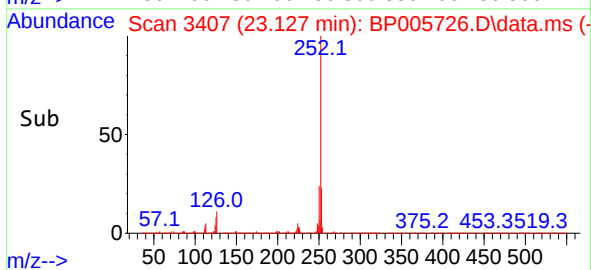
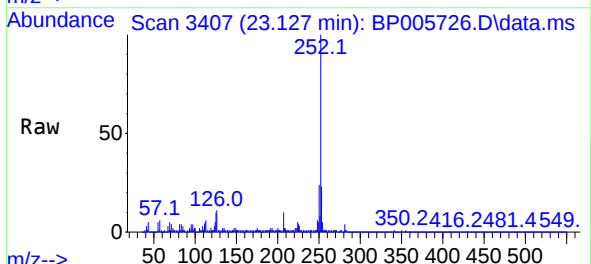
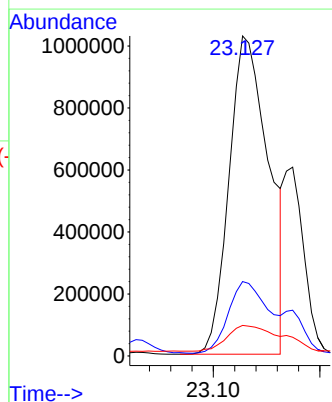
Manual Integrations
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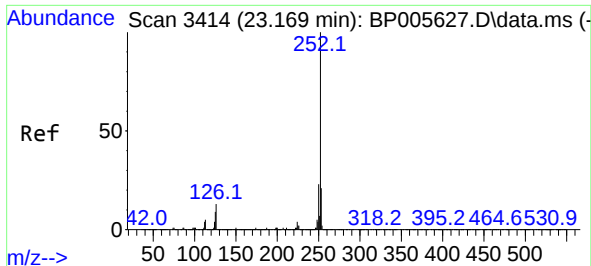
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#88
Benzo(b)fluoranthene
Concen: 37.006 ng
RT: 23.127 min Scan# 3407
Delta R.T. 0.012 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

Tgt Ion:252 Resp: 2654044
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 9.6 3.4 5.0#





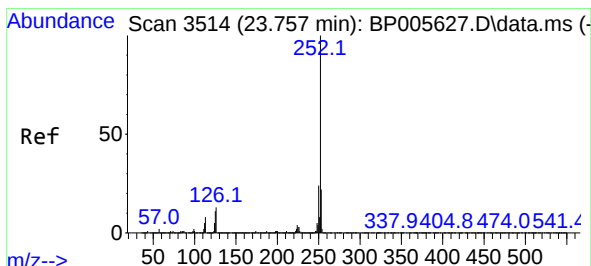
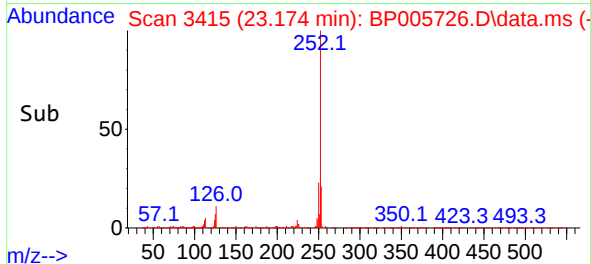
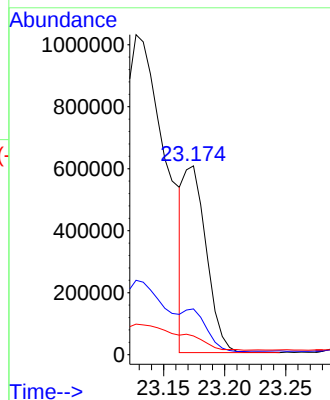
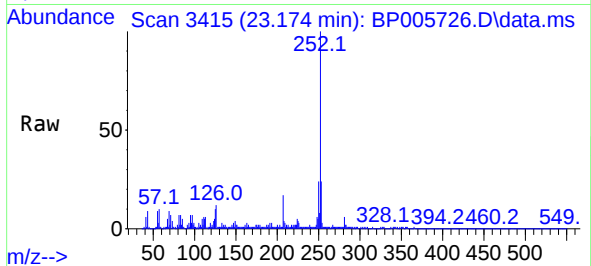
#89
Benzo(k)fluoranthene
Concen: 11.315 ng m
RT: 23.174 min Scan# 3415
Delta R.T. 0.006 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

Tgt Ion:252 Resp: 768945
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 9.9 3.8 5.6#

Instrument :
BNA_P
ClientSampleId :
18-B12(4-6)

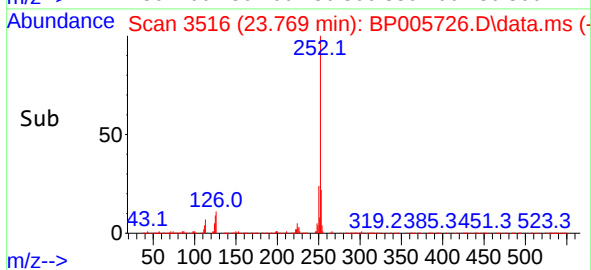
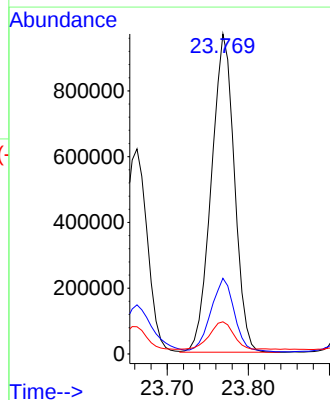
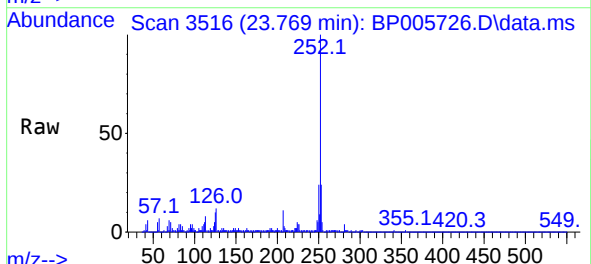
Manual Integrations
APPROVED

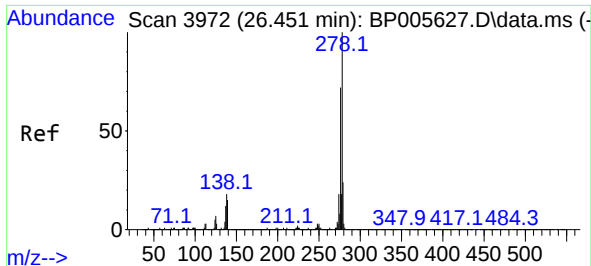
mohammad
6/7/2021 12:25:44 PM



#90
Benzo(a)pyrene
Concen: 29.220 ng
RT: 23.769 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

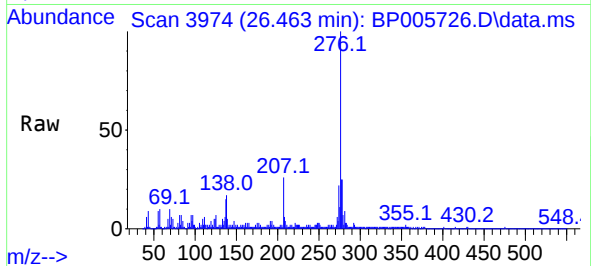
Tgt Ion:252 Resp: 1906489
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 10.0 3.8 5.6#





#91
Dibenzo(a,h)anthracene
Concen: 4.893 ng
RT: 26.463 min Scan# 3974
Delta R.T. 0.012 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24

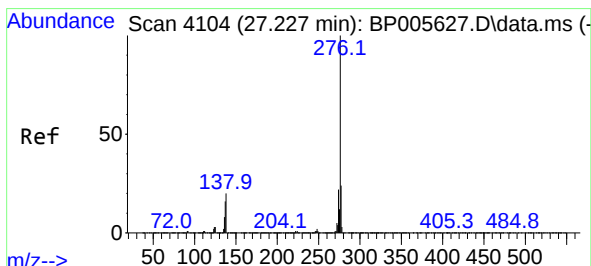
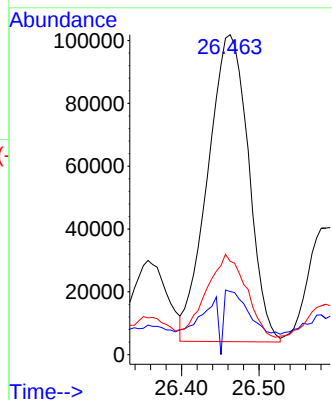
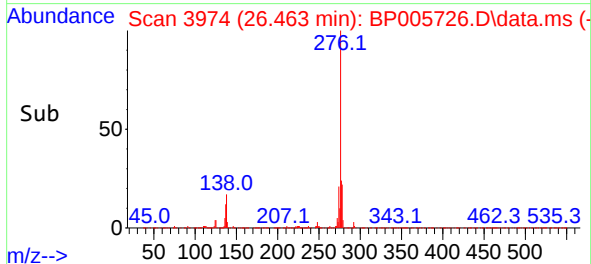
Instrument :
BNA_P
ClientSampled :
18-B12(4-6)



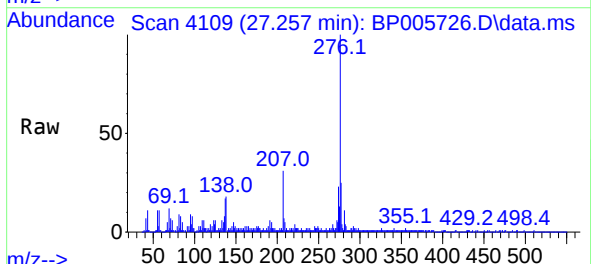
Tgt Ion:278 Resp: 357093
Ion Ratio Lower Upper
278 100
139 19.8 5.0 7.6#
279 29.2 18.6 28.0#

Manual Integrations
APPROVED

mohammad
6/7/2021 12:25:44 PM



#92
Benzo(g,h,i)perylene
Concen: 18.106 ng
RT: 27.257 min Scan# 4109
Delta R.T. 0.029 min
Lab File: BP005726.D
Acq: 04 Jun 2021 23:24



Tgt Ion:276 Resp: 1274593
Ion Ratio Lower Upper
276 100
277 25.0 19.8 29.8
138 18.5 7.7 11.5#

