

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
 Data File : BP003409.D
 Acq On : 29 Sep 2020 20:46
 Operator : CG/JU
 Sample : L4172-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-6(3-4)

Manual Integrations
 APPROVED

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Quant Time: Sep 30 01:20:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 17:55:44 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	75063	20.00	ng	0.00
21) Naphthalene-d8	10.322	136	337985	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	226898	20.00	ng	-0.01
64) Phenanthrene-d10	16.957	188	519526	20.00	ng	# 0.00
76) Chrysene-d12	21.063	240	655335	20.00	ng	-0.01
86) Perylene-d12	23.251	264	755788	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.158	112	440397	102.45	ng	0.00
7) Phenol-d6	6.752	99	590409	103.04	ng	0.00
23) Nitrobenzene-d5	8.693	82	382556	66.50	ng	-0.01
42) 2,4,6-Tribromophenol	15.704	330	261868	75.67	ng	0.00
45) 2-Fluorobiphenyl	12.816	172	794618	51.22	ng	0.00
79) Terphenyl-d14	19.539	244	1242472	39.50	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.375	128	37520	2.10	ng	98
49) Acenaphthylene	13.922	152	47331	2.21	ng	98
50) Dimethylphthalate	13.663	163	150939	8.33	ng	100
52) Acenaphthene	14.263	154	32633	2.50	ng	98
55) Dibenzofuran	14.604	168	41659	2.00	ng	93
58) Fluorene	15.257	166	53890	3.28	ng	98
71) Phenanthrene	16.998	178	631008	22.32	ng	100
72) Anthracene	17.086	178	164308	5.90	ng	99
73) Carbazole	17.369	167	65514	2.48	ng	98
75) Fluoranthene	18.980	202	809642	22.78	ng	98
78) Pyrene	19.333	202	726085	17.77	ng	100
81) Benzo(a)anthracene	21.045	228	450739	10.64	ng	99
83) Chrysene	21.098	228	381950	9.38	ng	97
87) Indeno(1,2,3-cd)pyrene	25.474	276	247751	4.32	ng	95
88) Benzo(b)fluoranthene	22.598	252	532959m	11.17	ng	
89) Benzo(k)fluoranthene	22.633	252	189458m	4.14	ng	
90) Benzo(a)pyrene	23.157	252	414487	9.21	ng	98
92) Benzo(g,h,i)perylene	26.157	276	234502	4.97	ng	99

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

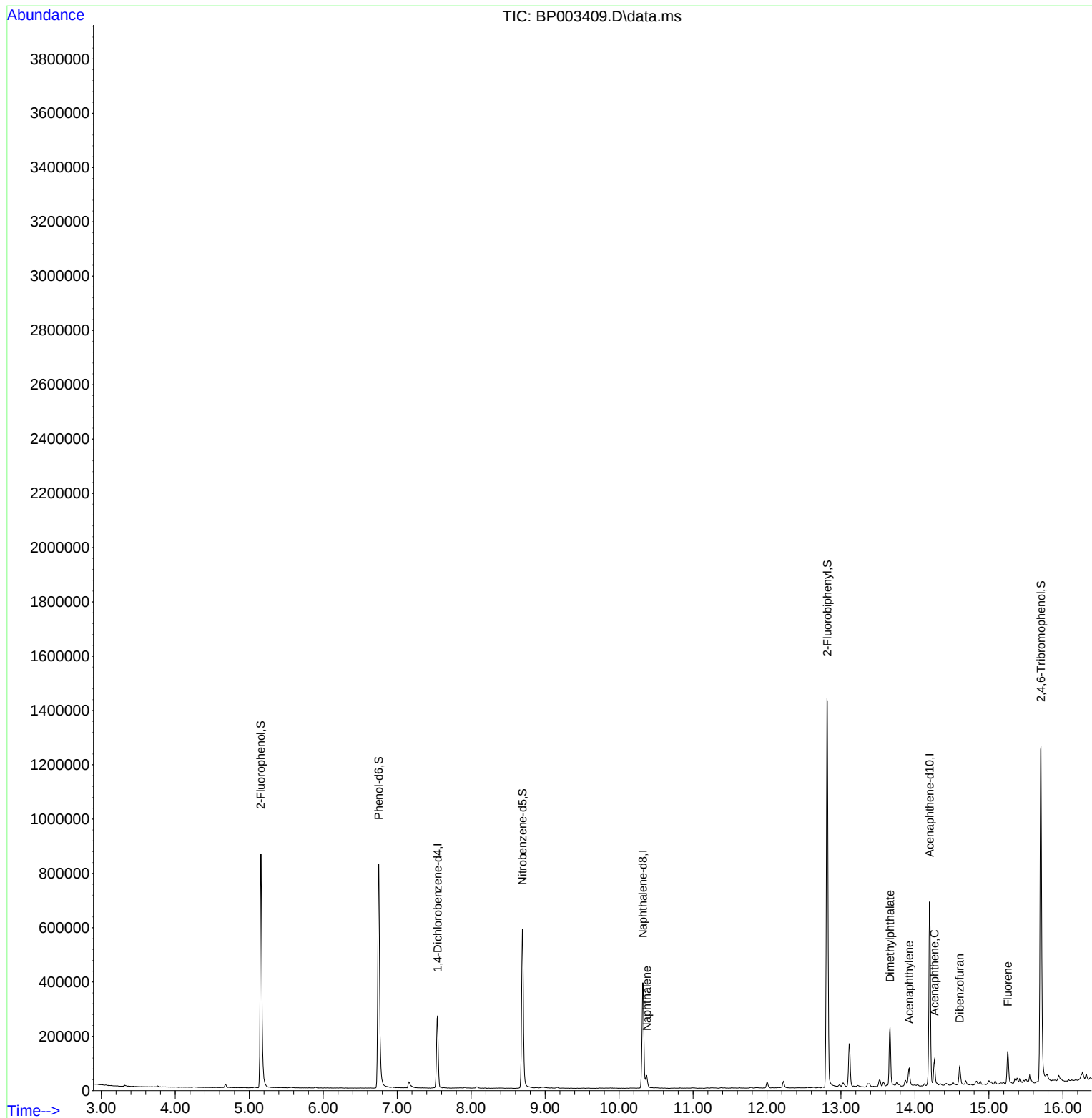
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Data File : BP003409.D
Acq On : 29 Sep 2020 20:46
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 17:55:44 2020
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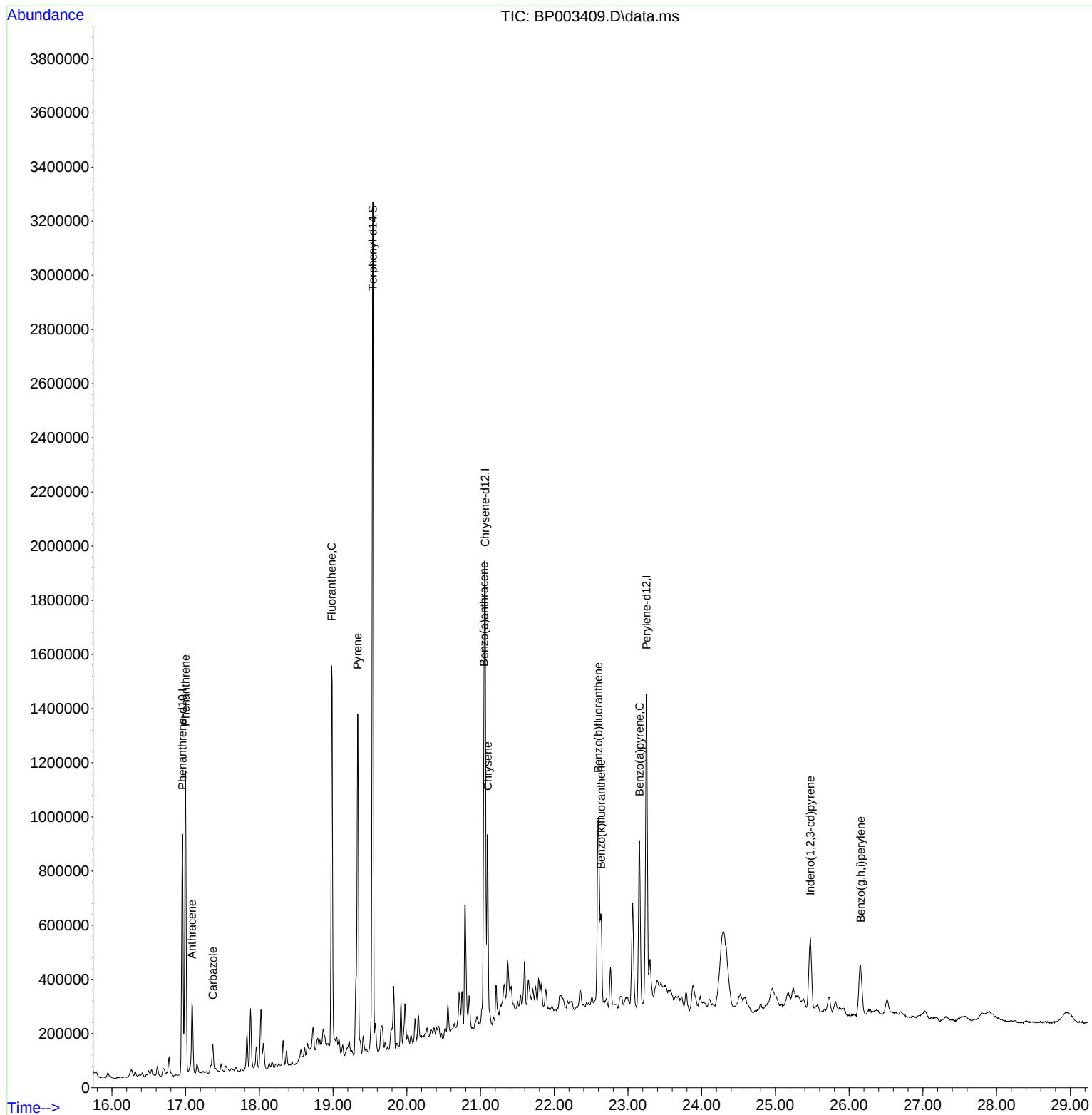
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Data File : BP003409.D
Acq On : 29 Sep 2020 20:46
Operator : CG/JU
Sample : L4172-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

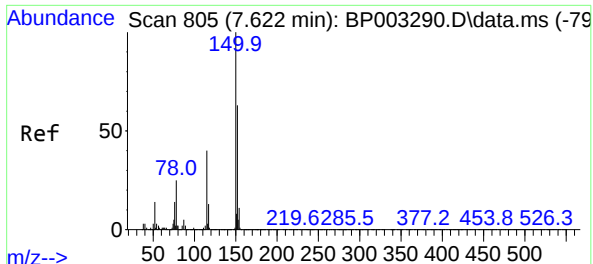
Instrument :
BNA_P
ClientSampleId :
B-6(3-4)

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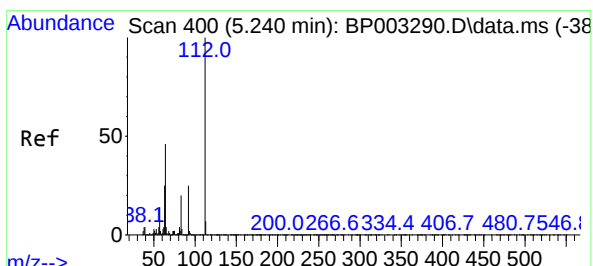
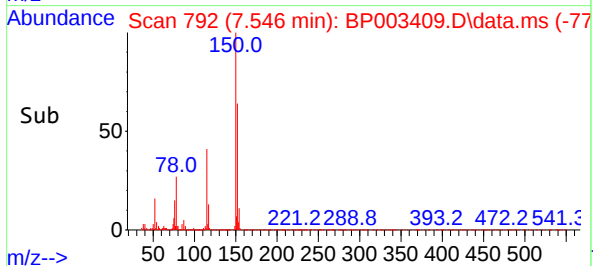
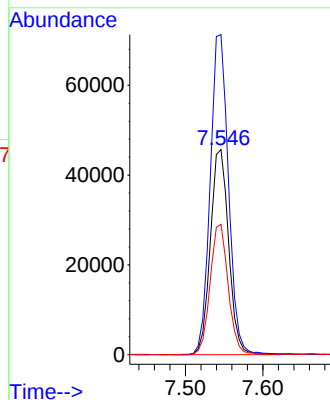
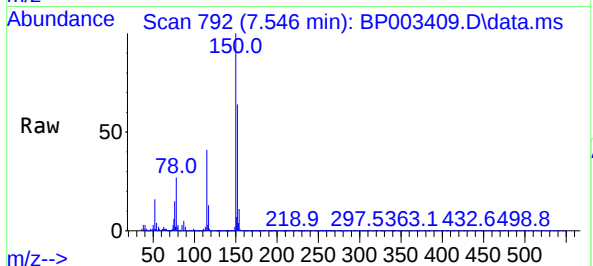
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.546 min Scan# 792
Delta R.T. -0.000 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:	152	Resp:	75063
Ion	Ratio	Lower	Upper
152	100		
150	156.1	123.8	185.6
115	63.6	43.8	65.6

Instrument :
BNA_P
ClientSampleId :
B-6(3-4)

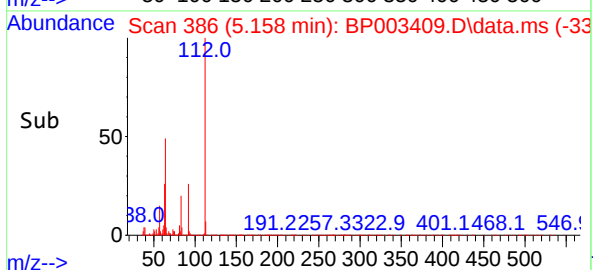
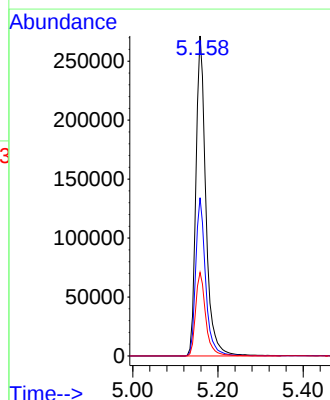
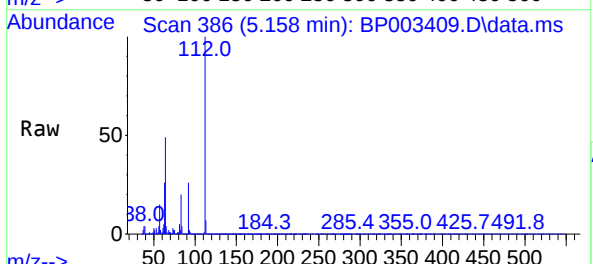
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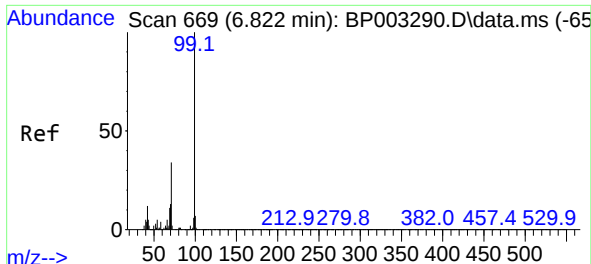
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#5
2-Fluorophenol
Concen: 102.45 ng
RT: 5.158 min Scan# 386
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:	112	Resp:	440397
Ion	Ratio	Lower	Upper
112	100		
64	49.5	32.8	49.2#
63	26.1	17.0	25.4#





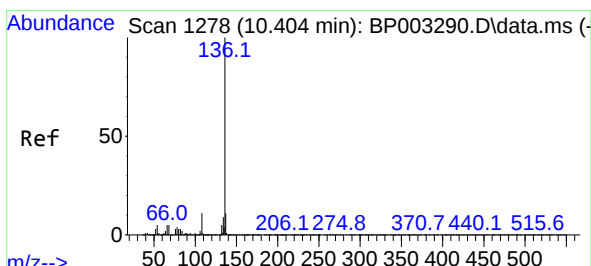
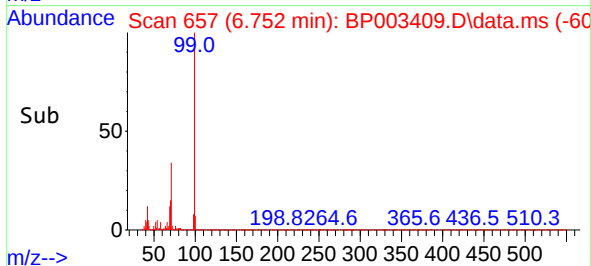
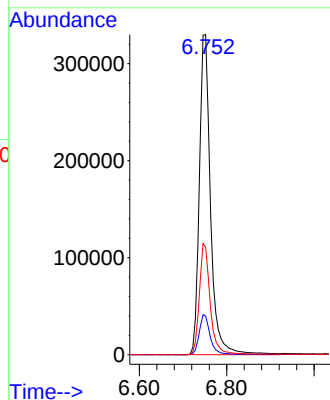
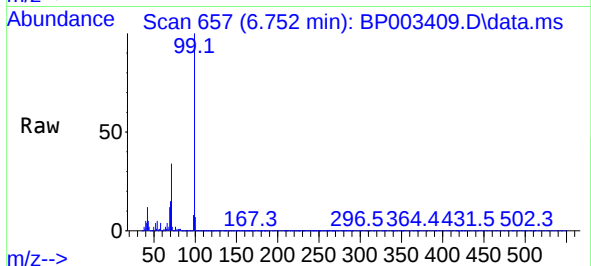
#7
Phenol-d6
Concen: 103.04 ng
RT: 6.752 min Scan# 657
Delta R.T. 0.000 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:	99	Resp:	590409
Ion	Ratio	Lower	Upper
99	100		
42	12.1	8.6	13.0
71	33.7	23.4	35.2

Instrument :
BNA_P
ClientSampled :
B-6(3-4)

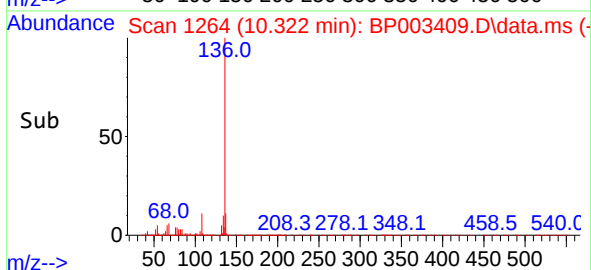
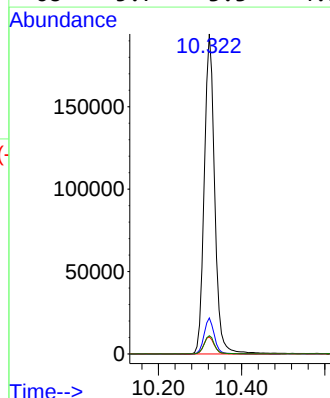
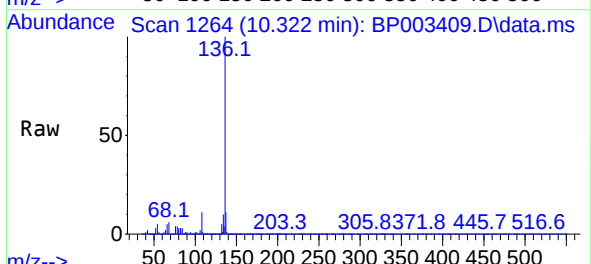
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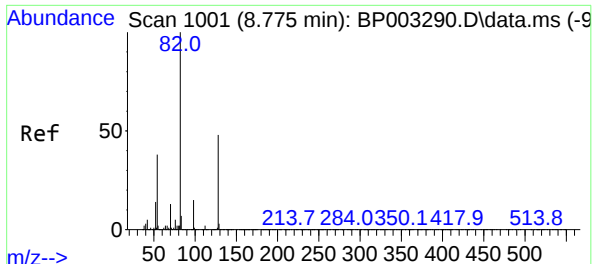
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.322 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:	136	Resp:	337985
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	5.4	3.6	5.4
68	5.7	3.3	4.9





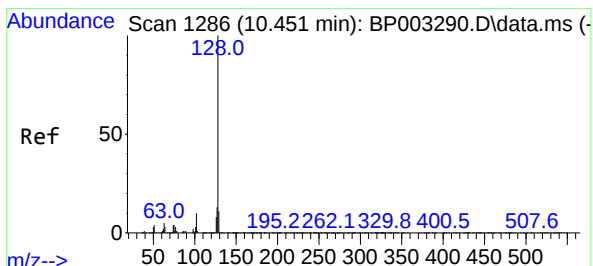
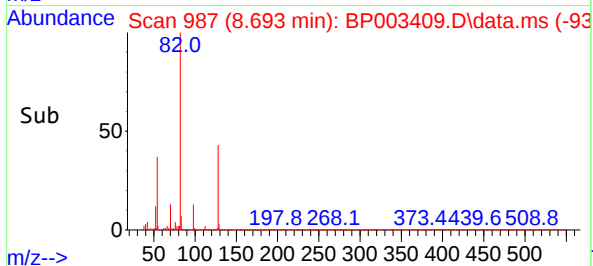
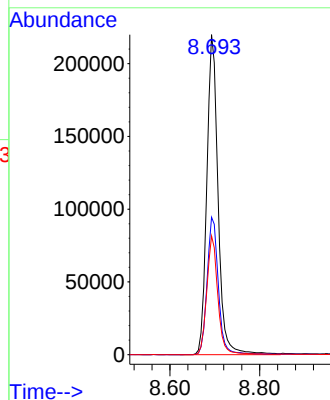
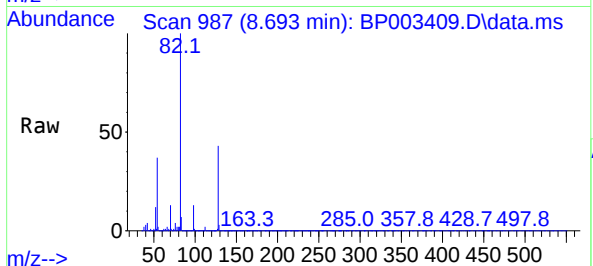
#23
Nitrobenzene-d5
Concen: 66.50 ng
RT: 8.693 min Scan# 987
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion: 82 Resp: 382556
Ion Ratio Lower Upper
82 100
128 42.9 45.6 68.4#
54 37.1 30.1 45.1

Instrument :
BNA_P
ClientSampled :
B-6(3-4)

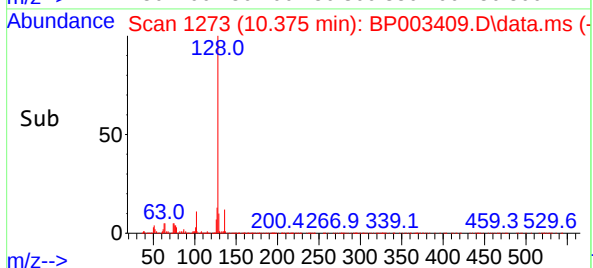
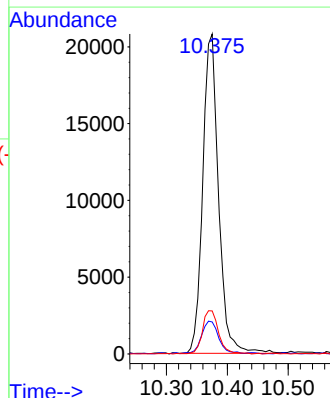
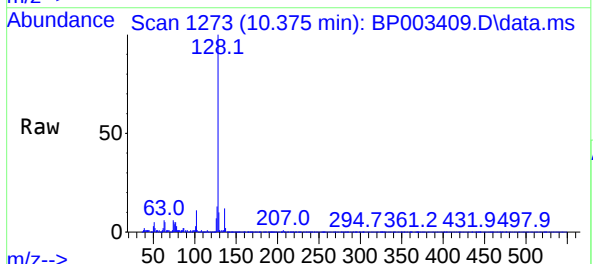
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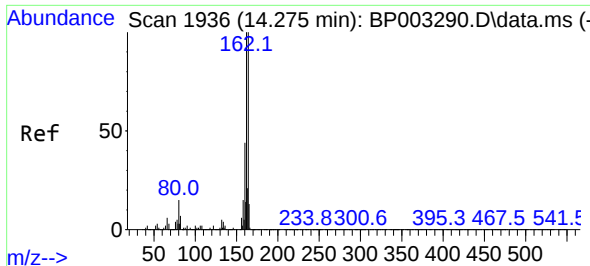
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#31
Naphthalene
Concen: 2.10 ng
RT: 10.375 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

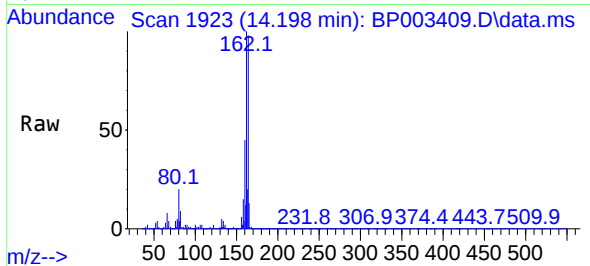
Tgt Ion: 128 Resp: 37520
Ion Ratio Lower Upper
128 100
129 10.0 8.8 13.2
127 13.5 10.6 15.8





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

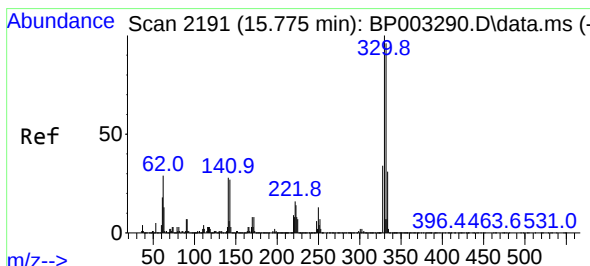
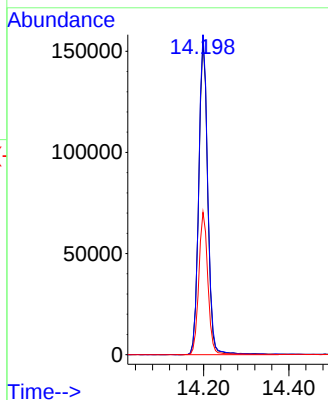
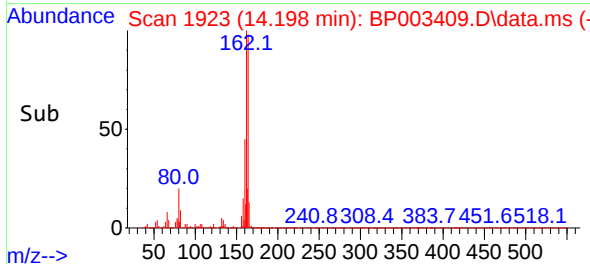
Instrument :
BNA_P
ClientSampled :
B-6(3-4)



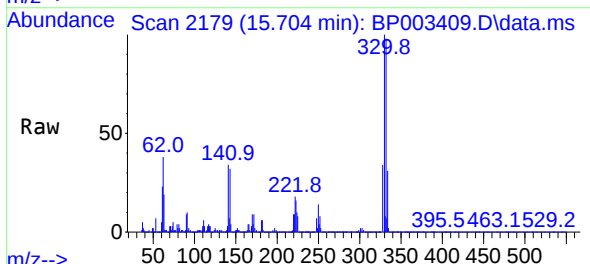
Tgt Ion:164 Resp: 226898
Ion Ratio Lower Upper
164 100
162 101.8 79.4 119.2
160 45.3 36.1 54.1

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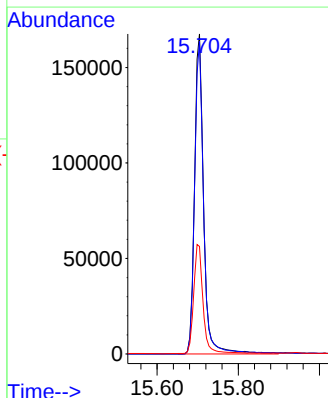
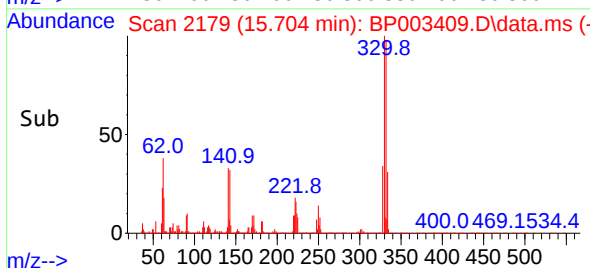
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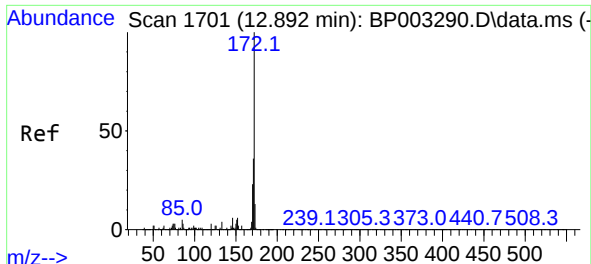


#42
2,4,6-Tribromophenol
Concen: 75.67 ng
RT: 15.704 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46



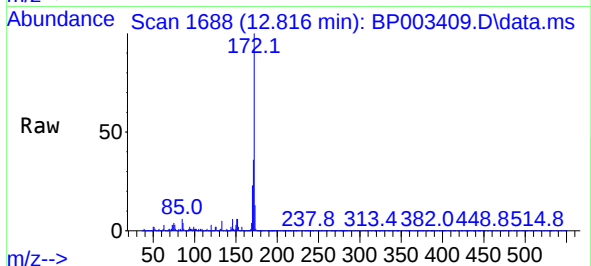
Tgt Ion:330 Resp: 261868
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 35.3 23.4 35.2#





#45
2-Fluorobiphenyl
Concen: 51.22 ng
RT: 12.816 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

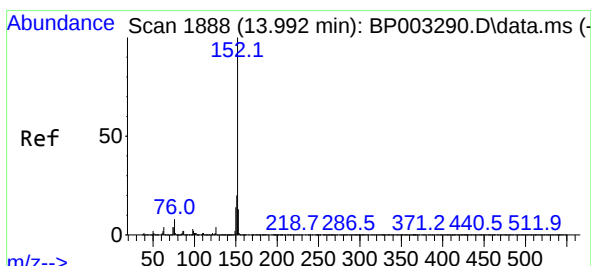
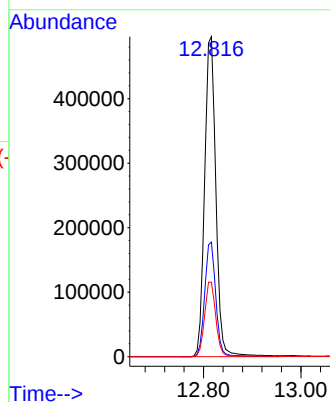
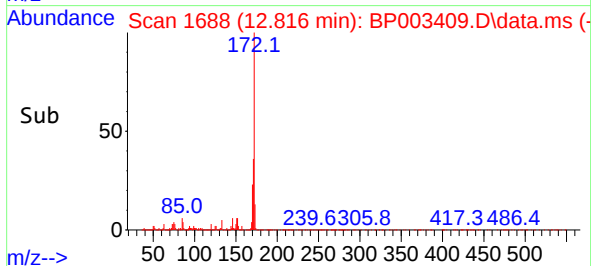
Instrument :
BNA_P
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B-6(3-4)



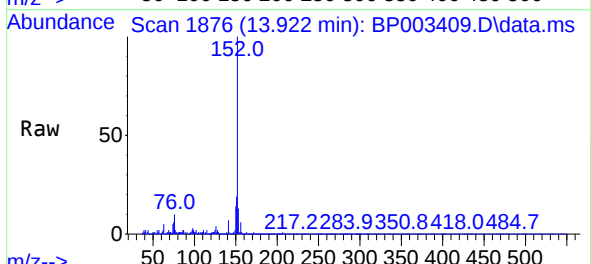
Tgt Ion:172 Resp: 794618
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 23.2 19.2 28.8

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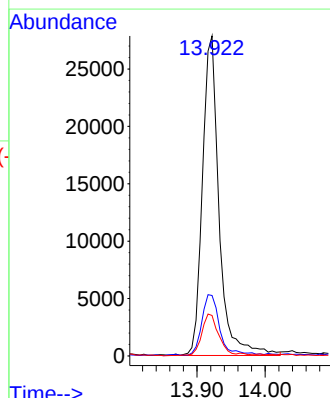
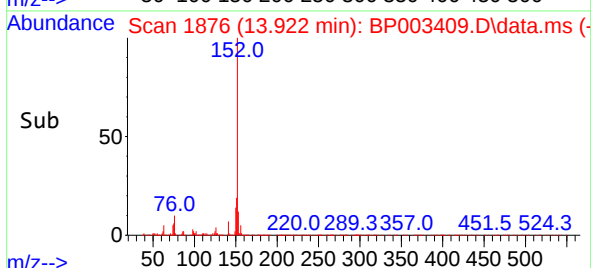
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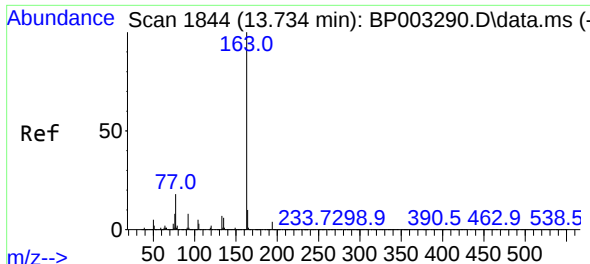


#49
Acenaphthylene
Concen: 2.21 ng
RT: 13.922 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46



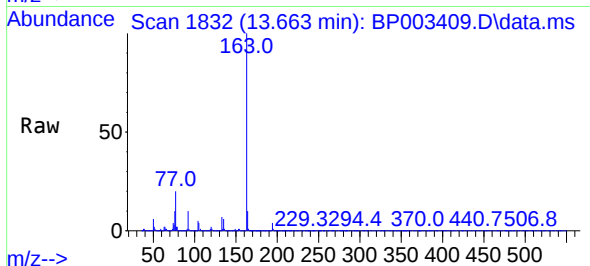
Tgt Ion:152 Resp: 47331
Ion Ratio Lower Upper
152 100
151 18.9 15.9 23.9
153 12.7 10.5 15.7





#50
Dimethylphthalate
Concen: 8.33 ng
RT: 13.663 min Scan# 1832
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

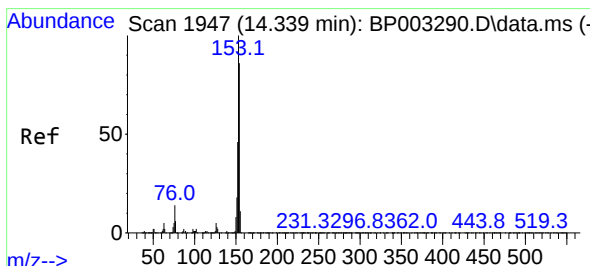
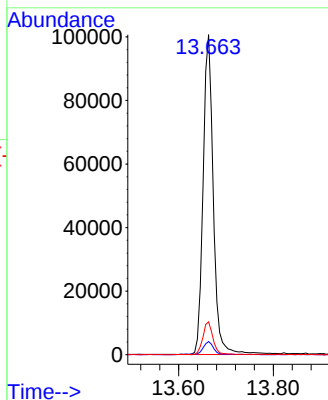
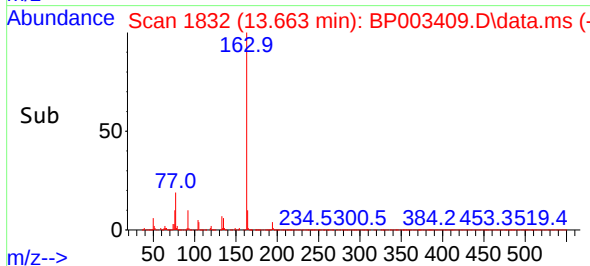
Instrument :
BNA_P
ClientSampled :
B-6(3-4)



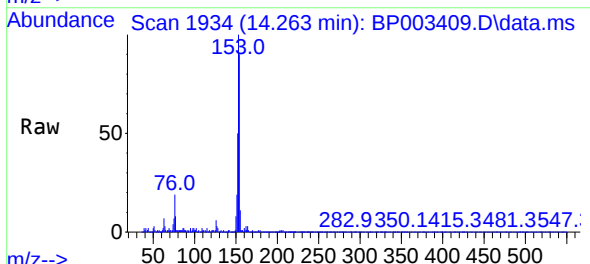
Tgt Ion:163 Resp: 150939
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.3 8.2 12.2

Manual Integrations
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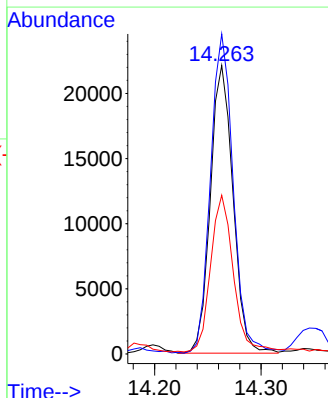
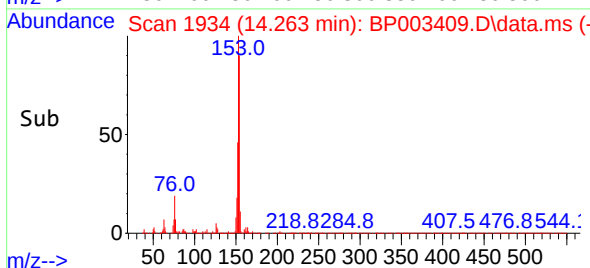
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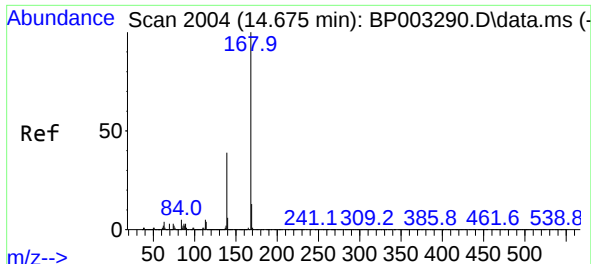


#52
Acenaphthene
Concen: 2.50 ng
RT: 14.263 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46



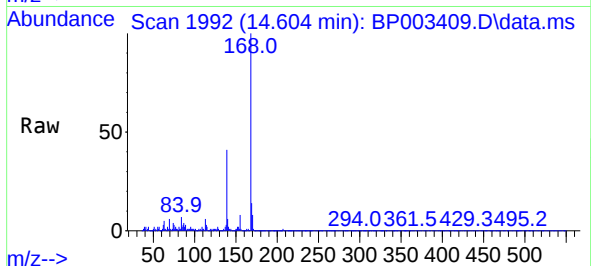
Tgt Ion:154 Resp: 32633
Ion Ratio Lower Upper
154 100
153 110.9 91.0 136.6
152 55.0 43.0 64.6





#55
Dibenzenofuran
Concen: 2.00 ng
RT: 14.604 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

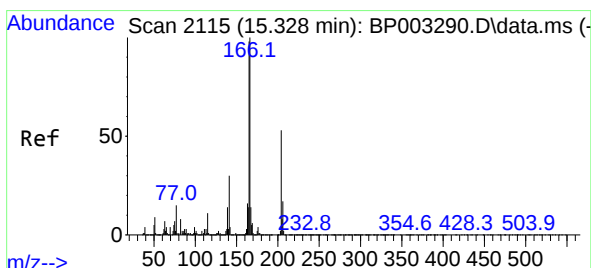
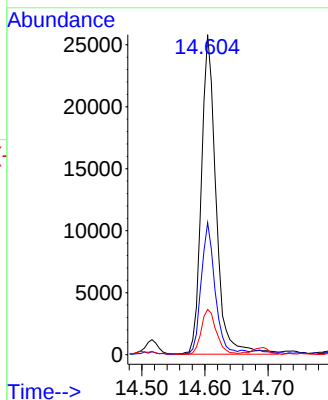
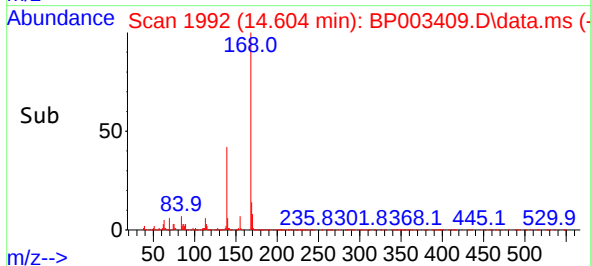
Instrument :
BNA_P
ClientSampleId :
B-6(3-4)



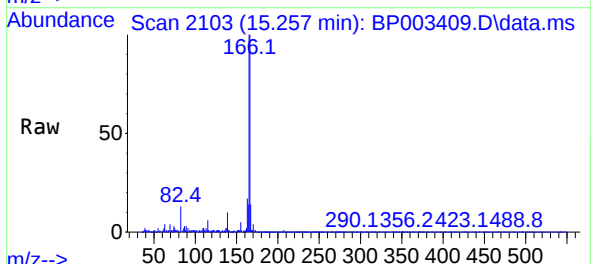
Tgt Ion:168 Resp: 41659
Ion Ratio Lower Upper
168 100
139 41.2 29.1 43.7
169 14.2 10.4 15.6

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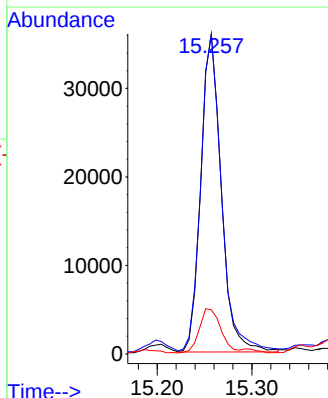
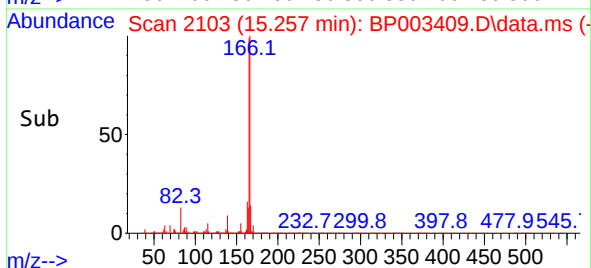
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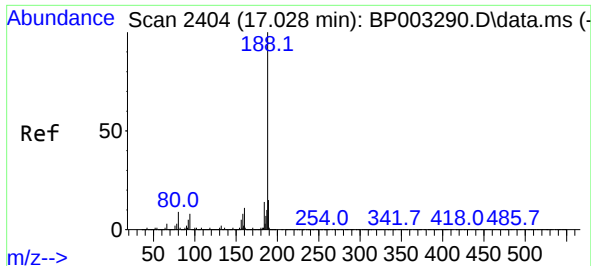


#58
Fluorene
Concen: 3.28 ng
RT: 15.257 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46



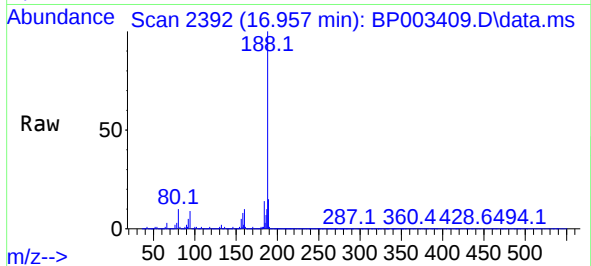
Tgt Ion:166 Resp: 53890
Ion Ratio Lower Upper
166 100
165 99.6 77.8 116.8
167 13.8 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.957 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

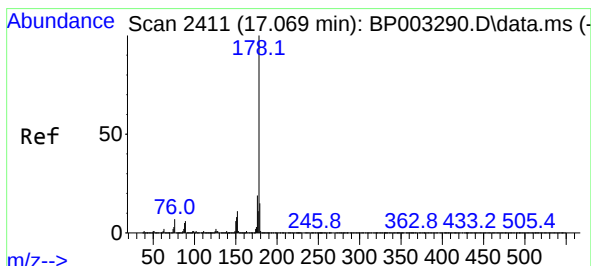
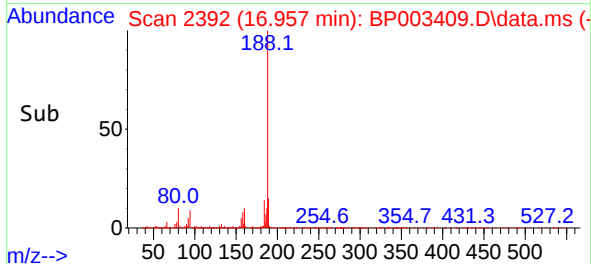
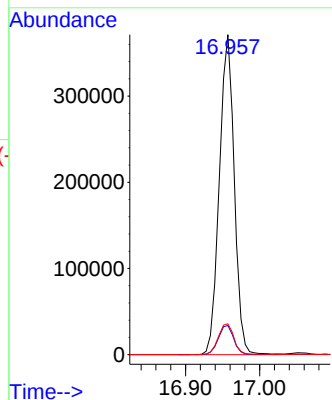
Instrument :
BNA_P
ClientSampled :
B-6(3-4)



Tgt Ion:188 Resp: 519526
Ion Ratio Lower Upper
188 100
94 9.1 6.2 9.2
80 9.6 6.2 9.2#

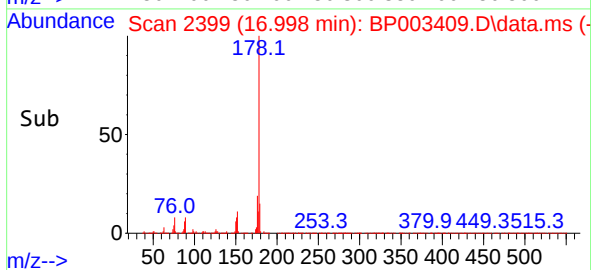
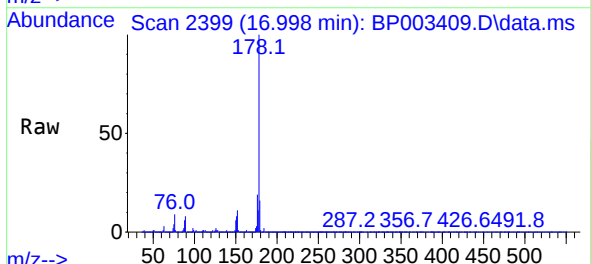
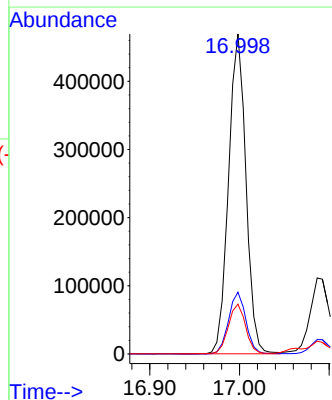
Manual Integrations
APPROVED

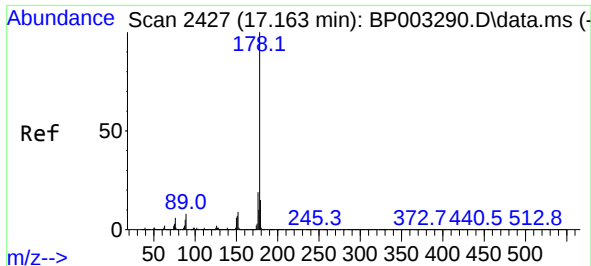
mohammad
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#71
Phenanthrene
Concen: 22.32 ng
RT: 16.998 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:178 Resp: 631008
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.5 12.5 18.7





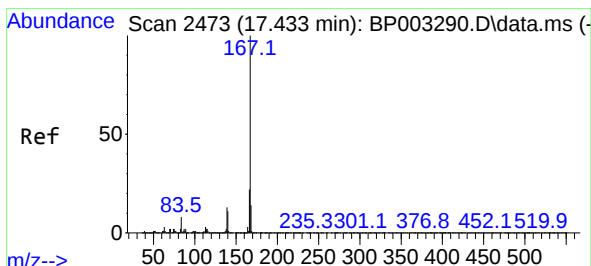
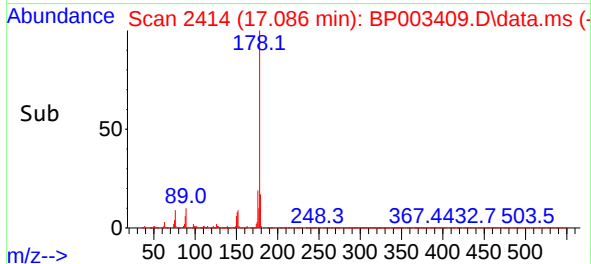
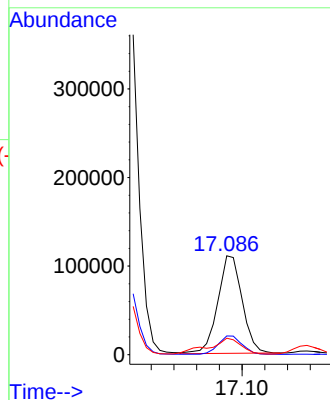
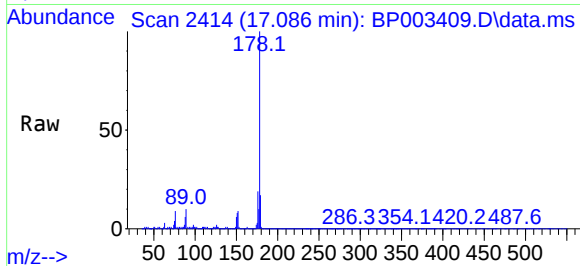
#72
 Anthracene
 Concen: 5.90 ng
 RT: 17.086 min Scan# 2414
 Delta R.T. -0.012 min
 Lab File: BP003409.D
 Acq: 29 Sep 2020 20:46

Tgt Ion:178 Resp: 164308
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.4
 179 16.8 12.5 18.7

Instrument :
 BNA_P
 ClientSampled :
 B-6(3-4)

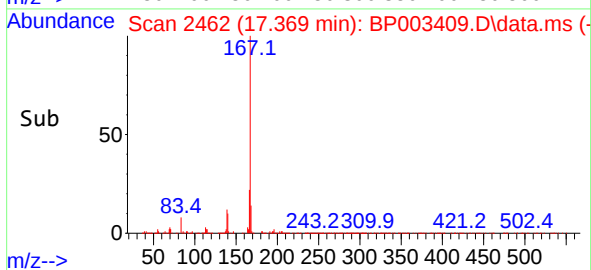
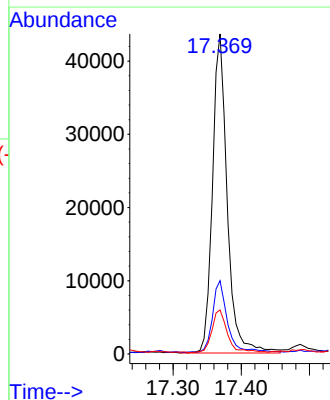
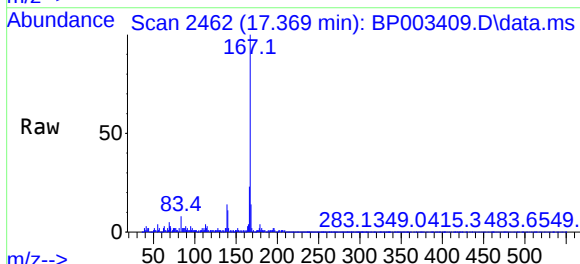
Manual Integrations
 APPROVED

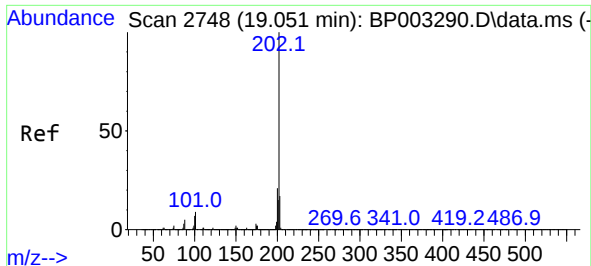
mohammad
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#73
 Carbazole
 Concen: 2.48 ng
 RT: 17.369 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BP003409.D
 Acq: 29 Sep 2020 20:46

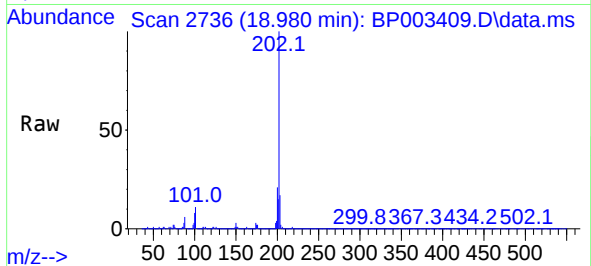
Tgt Ion:167 Resp: 65514
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.6 26.4
 139 13.8 10.2 15.4





#75
Fluoranthene
Concen: 22.78 ng
RT: 18.980 min Scan# 2736
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

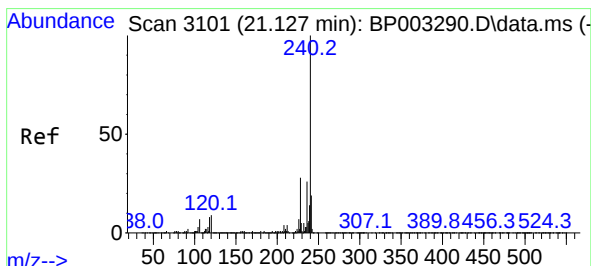
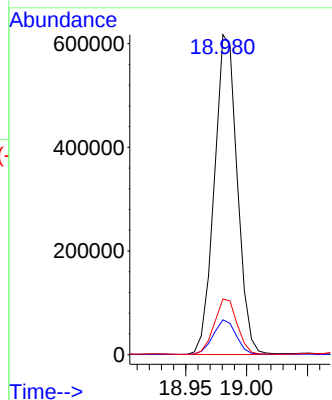
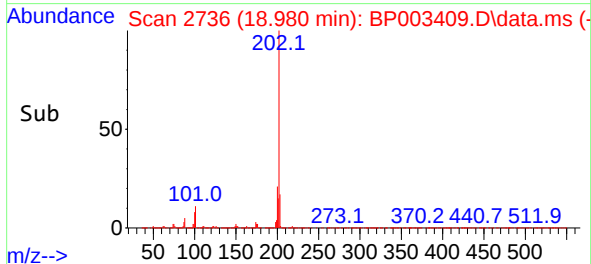
Instrument :
BNA_P
ClientSampled :
B-6(3-4)



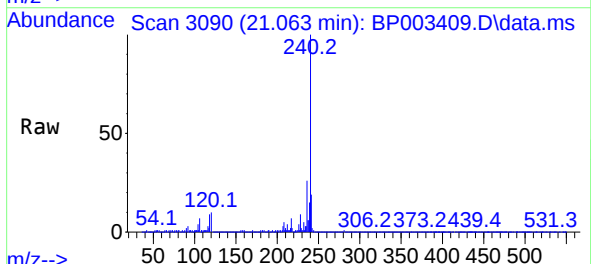
Tgt Ion:202 Resp: 809642
Ion Ratio Lower Upper
202 100
101 10.9 0.0 29.4
203 17.4 0.0 37.8

Manual Integrations
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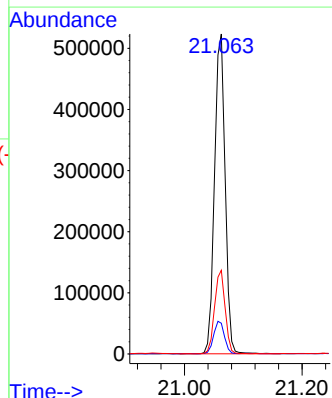
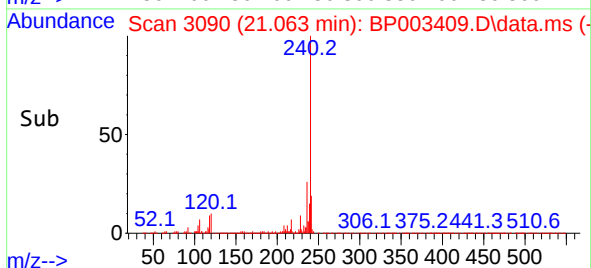
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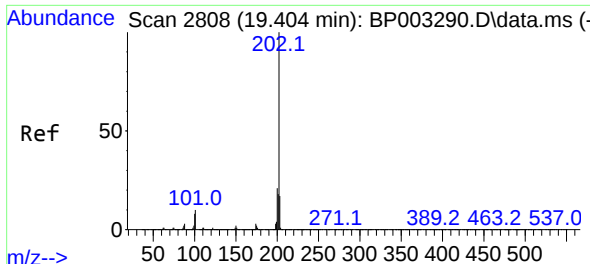


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.063 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46



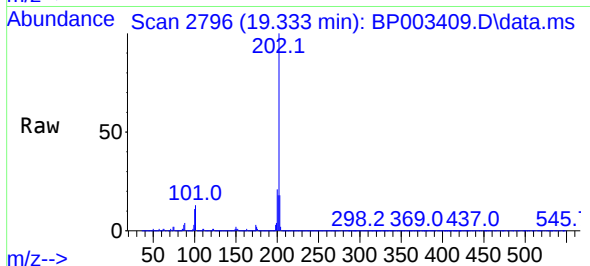
Tgt Ion:240 Resp: 655335
Ion Ratio Lower Upper
240 100
120 9.6 7.8 11.6
236 26.1 20.8 31.2





#78
Pyrene
Concen: 17.77 ng
RT: 19.333 min Scan# 2796
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

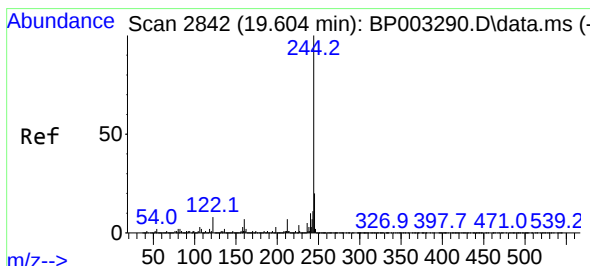
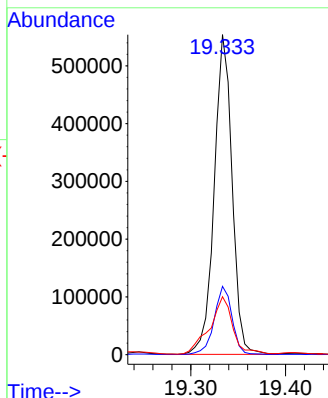
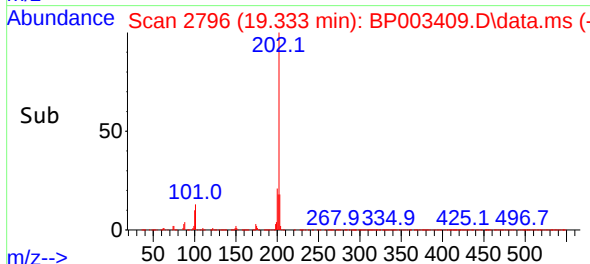
Instrument :
BNA_P
ClientSampled :
B-6(3-4)



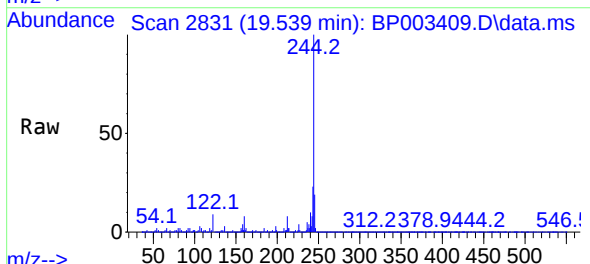
Tgt Ion:202 Resp: 726085
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 18.1 14.2 21.2

Manual Integrations
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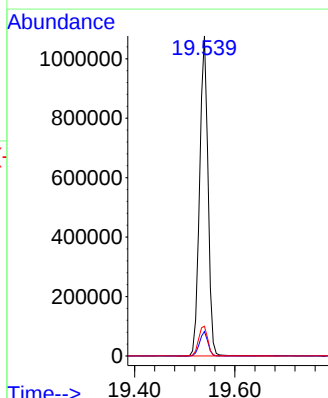
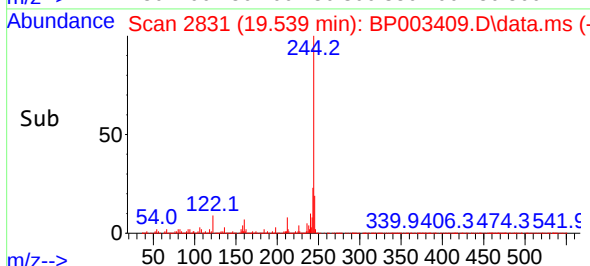
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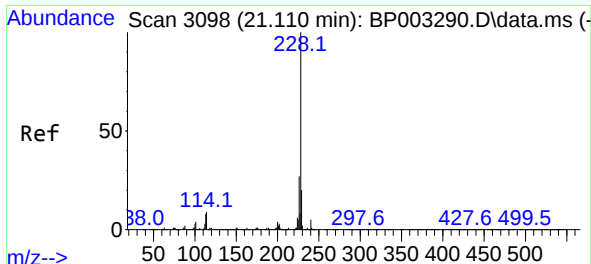


#79
Terphenyl-d14
Concen: 39.50 ng
RT: 19.539 min Scan# 2831
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

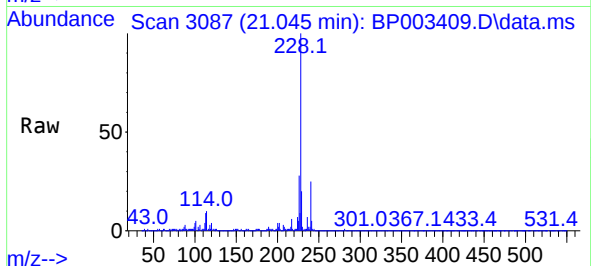


Tgt Ion:244 Resp: 1242472
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 9.3 7.8 11.8

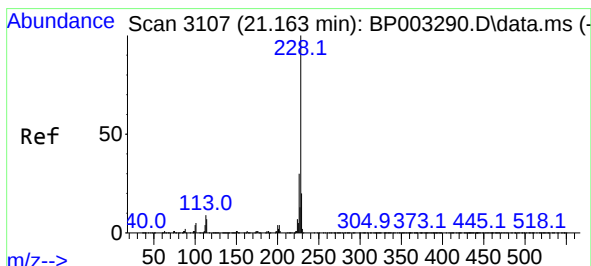
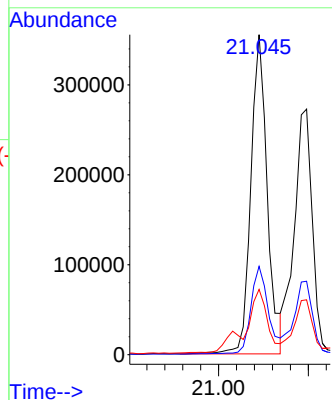
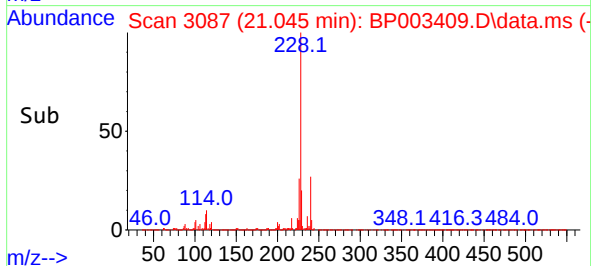




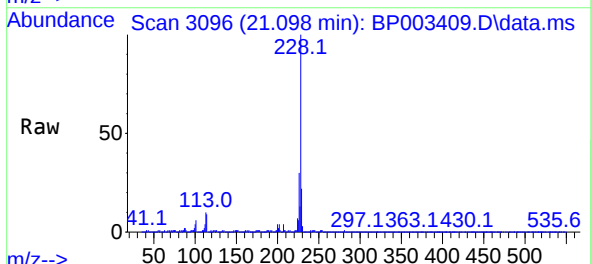
#81
Benzo(a)anthracene
Concen: 10.64 ng
RT: 21.045 min Scan# 3087
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46



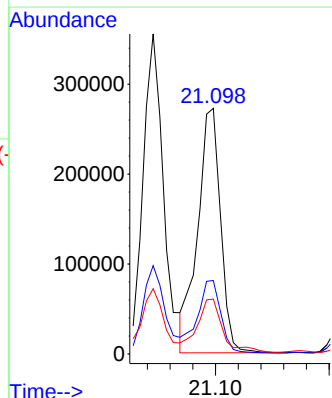
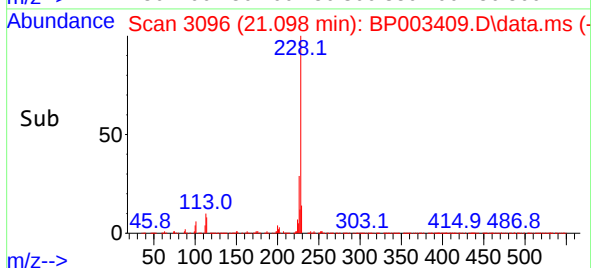
Tgt Ion:228 Resp: 450739
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 20.4 15.9 23.9



#83
Chrysene
Concen: 9.38 ng
RT: 21.098 min Scan# 3096
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46



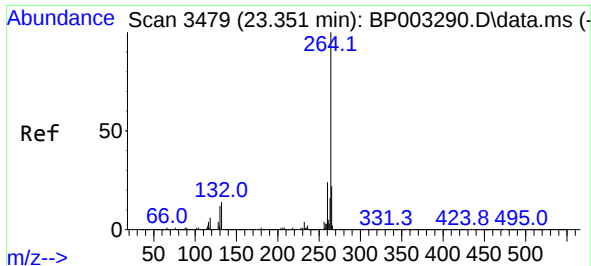
Tgt Ion:228 Resp: 381950
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 22.3 15.8 23.6



Instrument :
BNA_P
ClientSampled :
B-6(3-4)

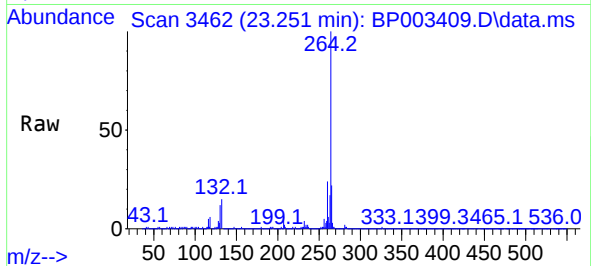
Manual Integrations
APPROVED

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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.251 min Scan# 3462
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

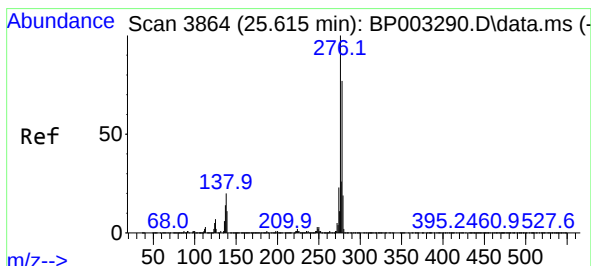
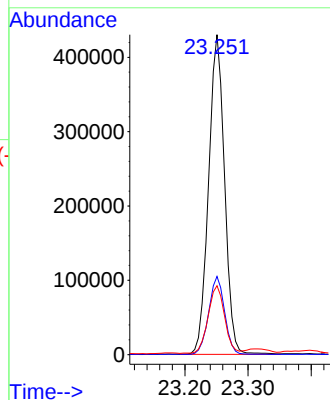
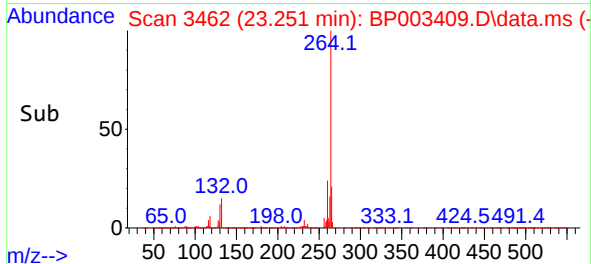
Instrument :
BNA_P
ClientSampled :
B-6(3-4)



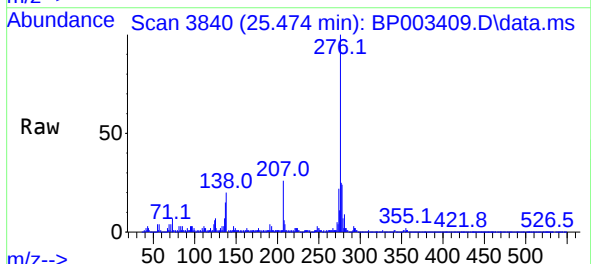
Tgt Ion:264 Resp: 755788
Ion Ratio Lower Upper
264 100
260 24.5 18.8 28.2
265 21.5 17.4 26.2

Manual Integrations
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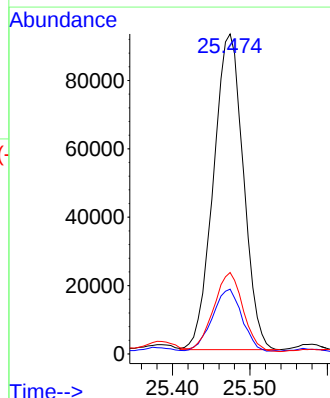
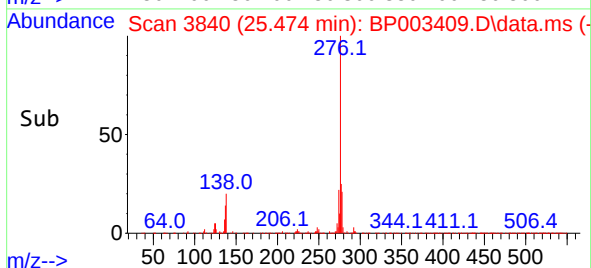
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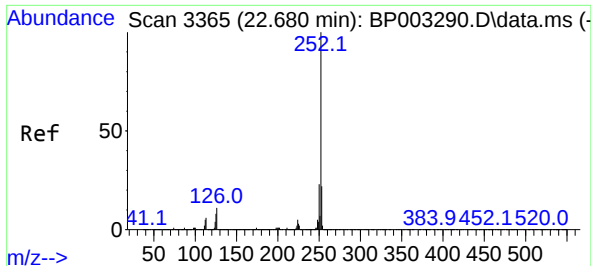


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.32 ng
RT: 25.474 min Scan# 3840
Delta R.T. -0.029 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46



Tgt Ion:276 Resp: 247751
Ion Ratio Lower Upper
276 100
138 19.7 18.7 28.1
277 24.6 20.4 30.6





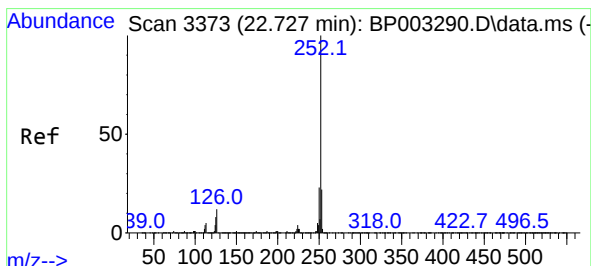
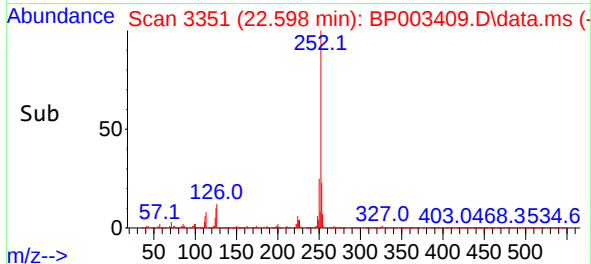
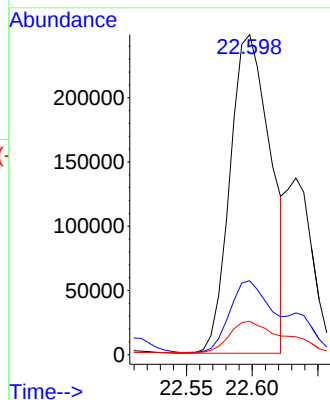
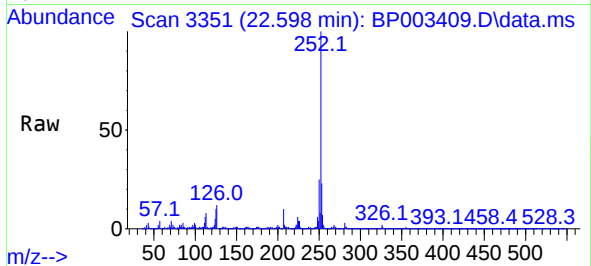
#88
Benzo(b)fluoranthene
Concen: 11.17 ng m
RT: 22.598 min Scan# 3351
Delta R.T. -0.012 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:252 Resp: 532959
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 10.5 7.3 10.9

Instrument :
BNA_P
ClientSampled :
B-6(3-4)

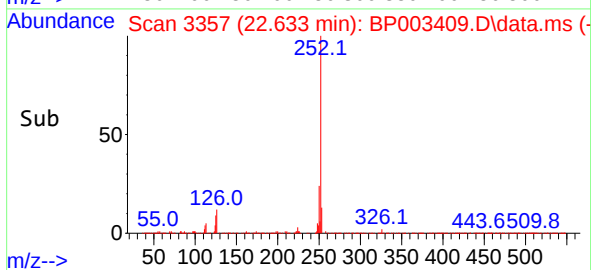
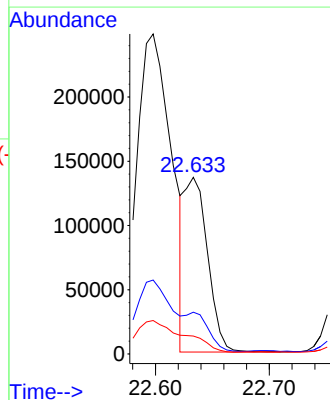
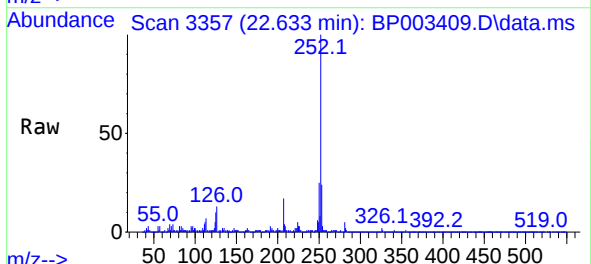
Manual Integrations
APPROVED

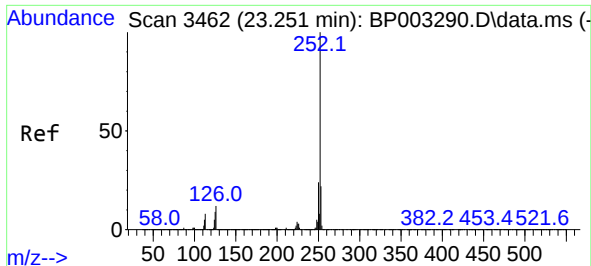
mohammad
10/1/2020 1:30:39 PM



#89
Benzo(k)fluoranthene
Concen: 4.14 ng m
RT: 22.633 min Scan# 3357
Delta R.T. -0.018 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:252 Resp: 189458
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 10.1 7.4 11.2





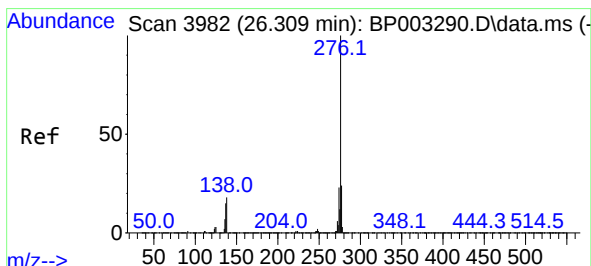
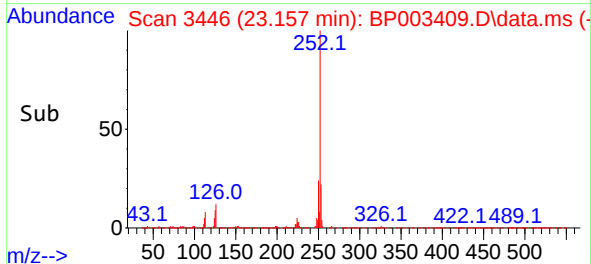
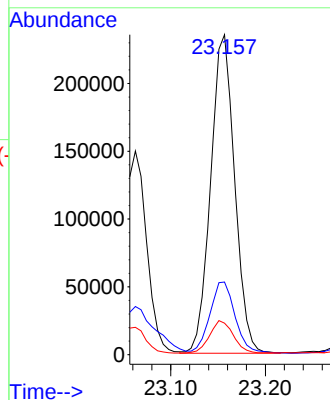
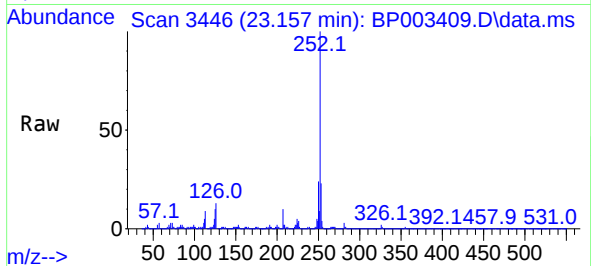
#90
Benzo(a)pyrene
Concen: 9.21 ng
RT: 23.157 min Scan# 3446
Delta R.T. -0.017 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:	252	Resp:	414487
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.0
125	9.9	8.2	12.4

Instrument :
BNA_P
ClientSampled :
B-6(3-4)

Manual Integrations
APPROVED

mohammad
10/1/2020 1:30:39 PM



#92
Benzo(g,h,i)perylene
Concen: 4.97 ng
RT: 26.157 min Scan# 3956
Delta R.T. -0.029 min
Lab File: BP003409.D
Acq: 29 Sep 2020 20:46

Tgt Ion:	276	Resp:	234502
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.0	28.6
138	20.0	16.6	24.8

