

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110520\
 Data File : BP003824.D
 Acq On : 05 Nov 2020 16:59
 Operator : CG/JU
 Sample : L4521-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-1

Manual Integrations
 APPROVED

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11/6/2020 10:32:54 AM

Quant Time: Nov 05 23:55:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 05 14:31:45 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.299	152	157020	20.00	ng	0.00
21) Naphthalene-d8	11.128	136	599843	20.00	ng	# 0.00
39) Acenaphthene-d10	14.910	164	362331	20.00	ng	0.00
64) Phenanthrene-d10	17.634	188	730471	20.00	ng	# 0.00
76) Chrysene-d12	21.657	240	698744	20.00	ng	0.00
86) Perylene-d12	24.127	264	743012	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.822	112	873208	92.81	ng	0.01
7) Phenol-d6	7.458	99	1118500	82.82	ng	0.00
23) Nitrobenzene-d5	9.458	82	702181	57.33	ng	0.00
42) 2,4,6-Tribromophenol	16.387	330	411336	90.77	ng	0.00
45) 2-Fluorobiphenyl	13.540	172	1505742	58.10	ng	0.00
79) Terphenyl-d14	20.128	244	1850391	51.16	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.634	152	111848	3.30	ng	100
50) Dimethylphthalate	14.334	163	208882	7.38	ng	98
52) Acenaphthene	14.969	154	51300	2.27	ng	92
58) Fluorene	15.945	166	62845	2.34	ng	94
71) Phenanthrene	17.675	178	1280794	31.24	ng	99
72) Anthracene	17.763	178	267711	6.76	ng	98
73) Carbazole	18.016	167	124690	3.39	ng	98
75) Fluoranthene	19.604	202	2773799	58.64	ng	99
78) Pyrene	19.957	202	2472642	52.15	ng	99
81) Benzo(a)anthracene	21.639	228	1124297	24.40	ng	97
83) Chrysene	21.698	228	1233329	27.86	ng	97
87) Indeno(1,2,3-cd)pyrene	26.668	276	799647	14.92	ng	# 94
88) Benzo(b)fluoranthene	23.380	252	1568997m	32.27	ng	
89) Benzo(k)fluoranthene	23.422	252	510692m	10.64	ng	
90) Benzo(a)pyrene	24.022	252	1110087	24.66	ng	98
91) Dibenzo(a,h)anthracene	26.663	278	193706	4.34	ng	# 92
92) Benzo(g,h,i)perylene	27.462	276	826759	19.12	ng	97

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

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Misc :
ALS Vial : 10 Sample Multiplier: 1

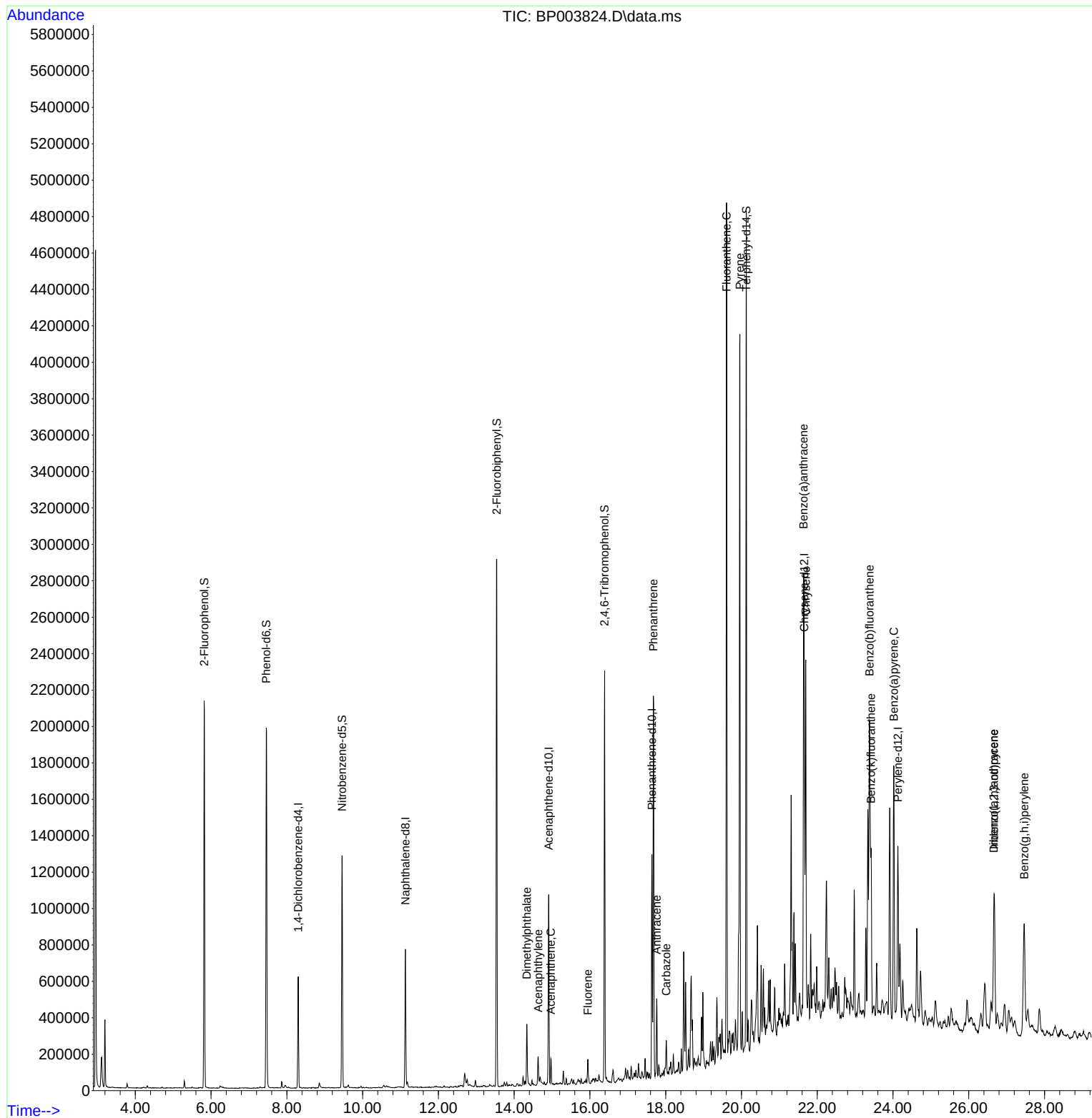
Instrument :
BNA_P
ClientSampleId :
B-1

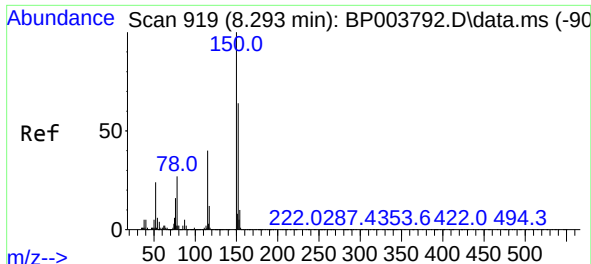
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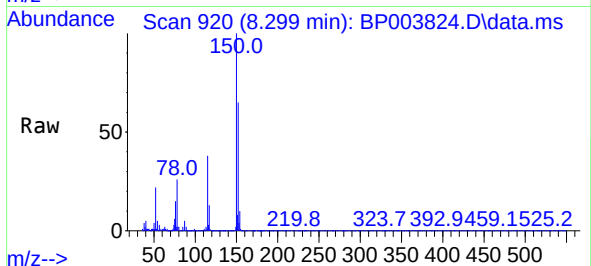
Quant Time: Nov 05 23:55:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 05 14:31:45 2020
Response via : Initial Calibration

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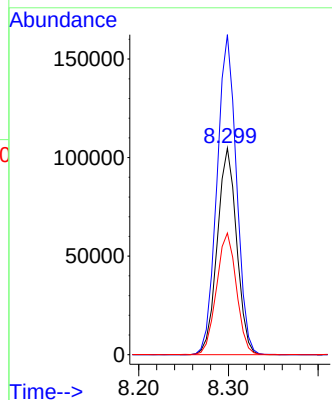




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.299 min Scan# 920
Delta R.T. 0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59



Tgt Ion:152 Resp: 157020
Ion Ratio Lower Upper
152 100
150 154.9 123.8 185.6
115 58.9 43.8 65.6

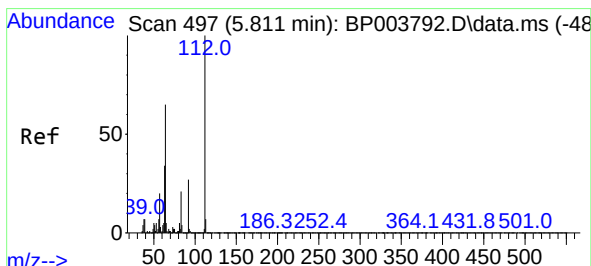
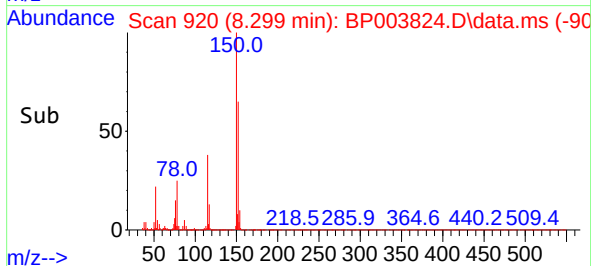


Instrument :
BNA_P
ClientSampled :
B-1

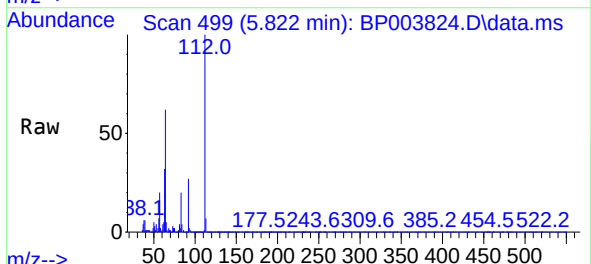
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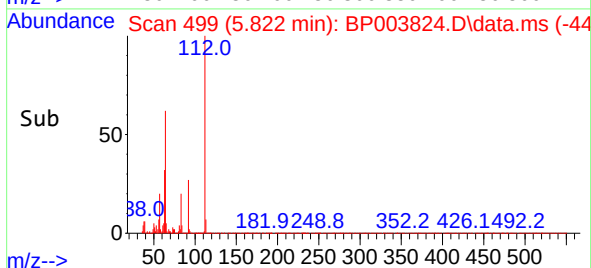
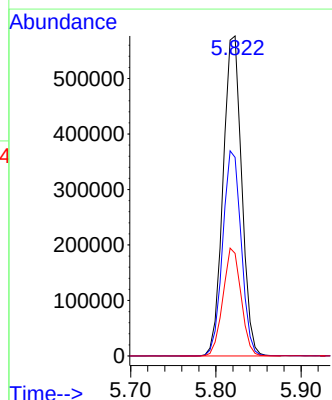
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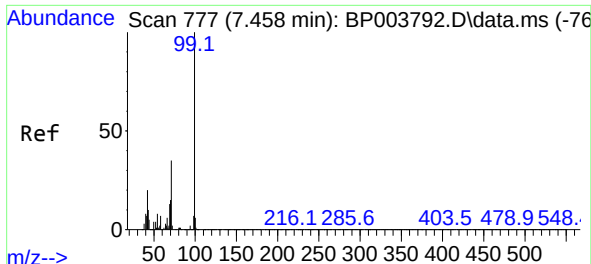


#5
2-Fluorophenol
Concen: 92.81 ng
RT: 5.822 min Scan# 499
Delta R.T. 0.011 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59



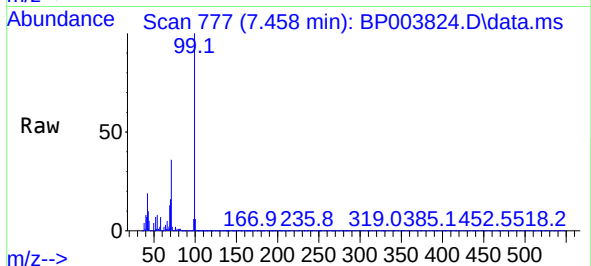
Tgt Ion:112 Resp: 873208
Ion Ratio Lower Upper
112 100
64 62.0 32.8 49.2#
63 32.0 17.0 25.4#





#7
Phenol-d6
Concen: 82.82 ng
RT: 7.458 min Scan# 777
Delta R.T. -0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Instrument :
BNA_P
ClientSampled :
B-1

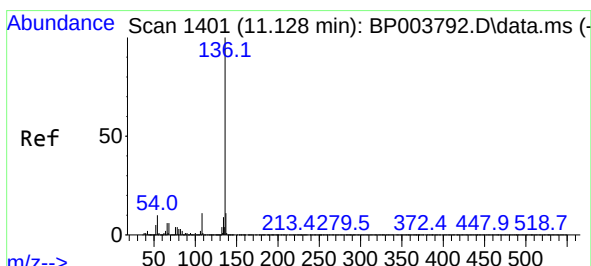
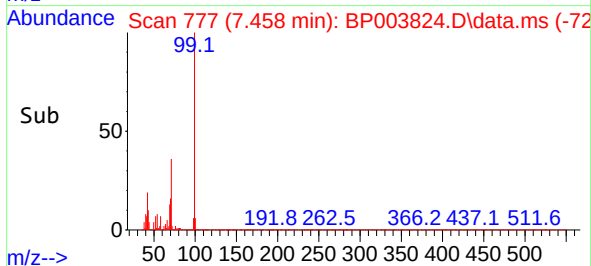
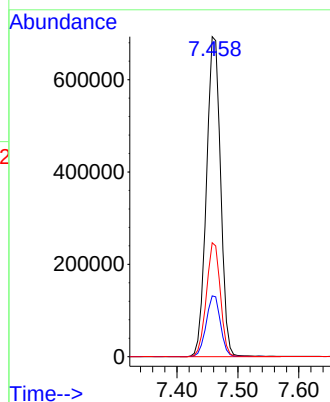


Tgt Ion: 99 Resp: 1118500
Ion Ratio Lower Upper
99 100
42 19.0 8.6 13.0#
71 35.6 23.4 35.2#

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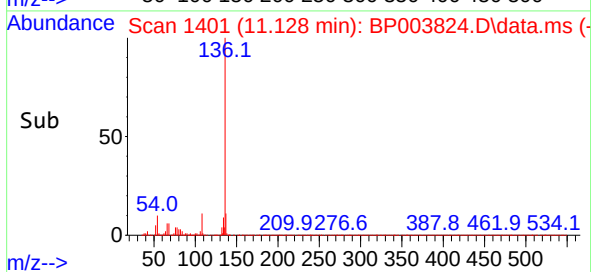
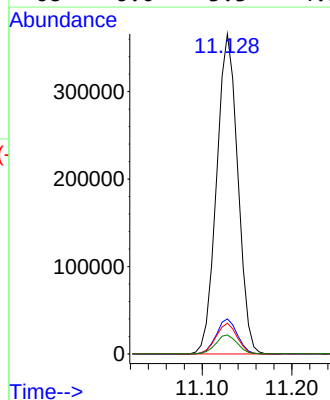
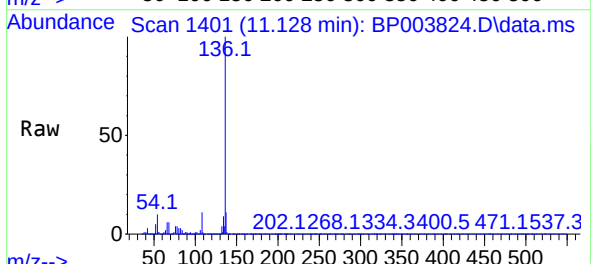
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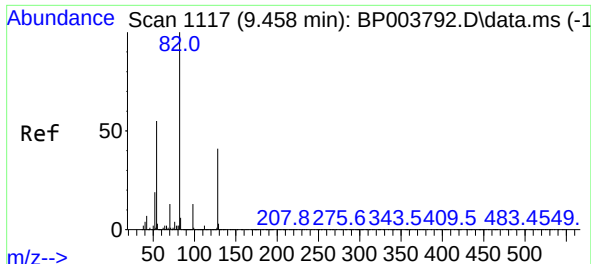
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.128 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion: 136 Resp: 599843
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.6 3.6 5.4#
68 6.0 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 57.33 ng
RT: 9.458 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

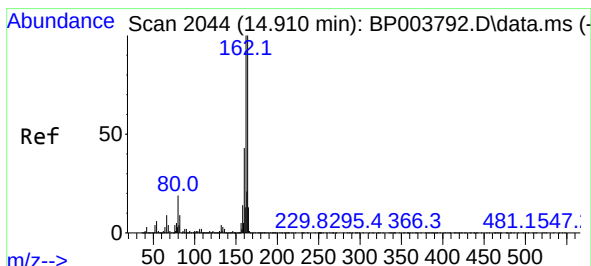
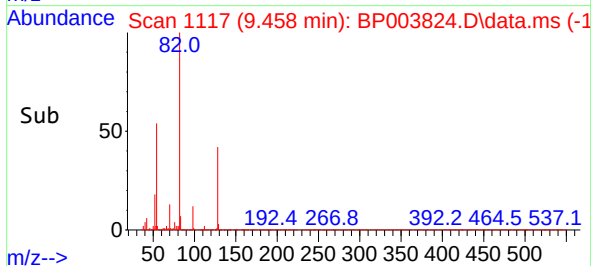
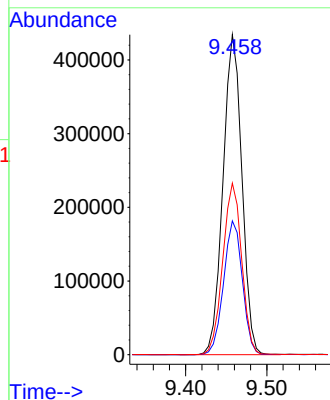
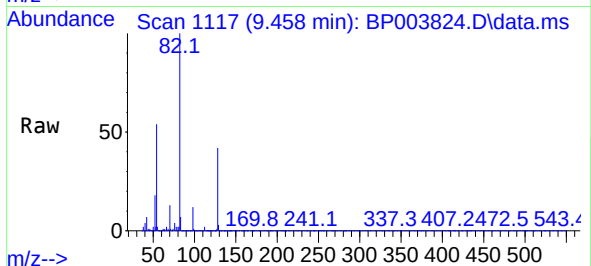
Tgt Ion: 82 Resp: 702181
Ion Ratio Lower Upper
82 100
128 41.8 45.6 68.4#
54 53.6 30.1 45.1#

Instrument :
BNA_P
ClientSampled :
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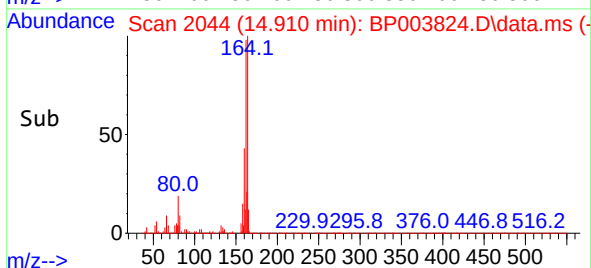
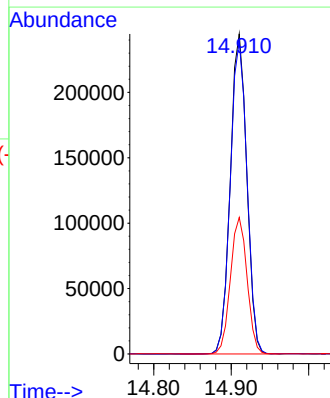
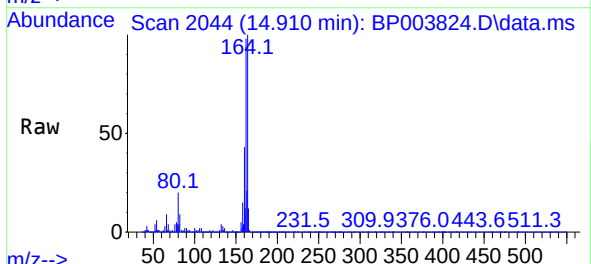
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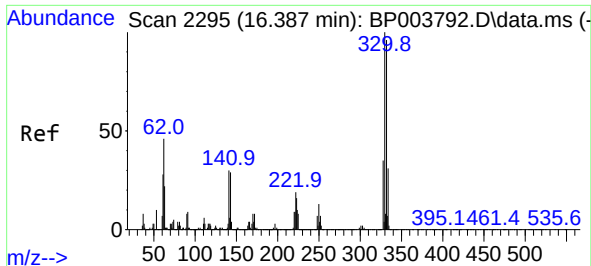
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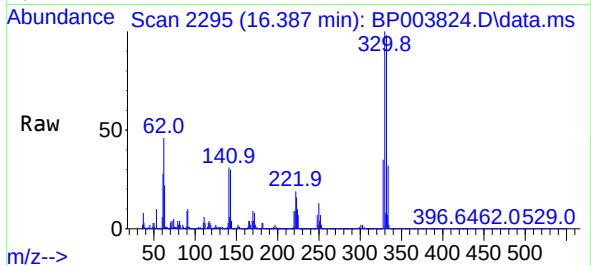
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.910 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:164 Resp: 362331
Ion Ratio Lower Upper
164 100
162 97.7 79.4 119.2
160 42.7 36.1 54.1

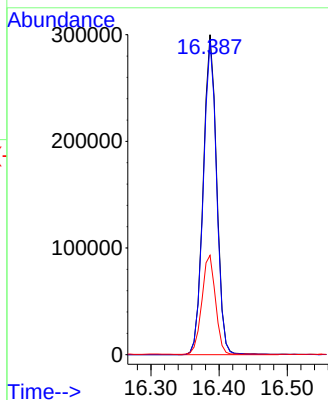
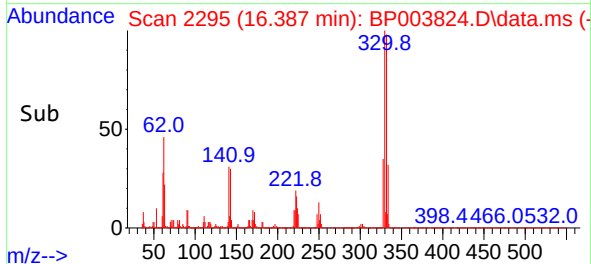




#42
2,4,6-Tribromophenol
Concen: 90.77 ng
RT: 16.387 min Scan# 2295
Delta R.T. -0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59



Tgt Ion: 330 Resp: 411336
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 31.4 23.4 35.2

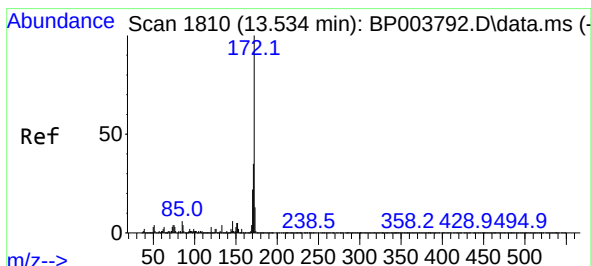


Instrument :
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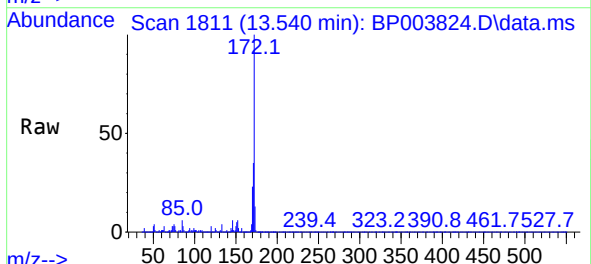
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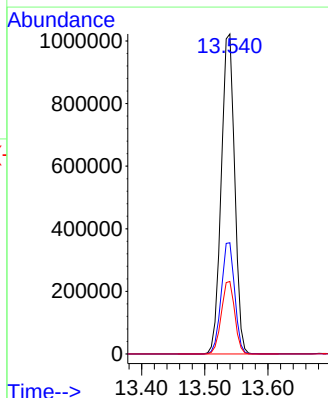
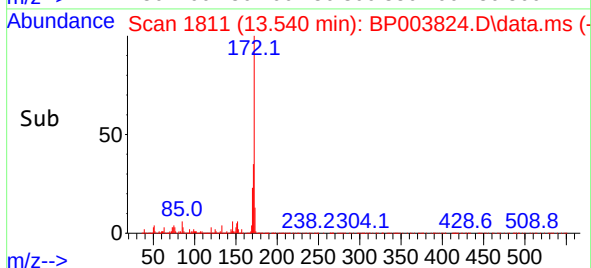
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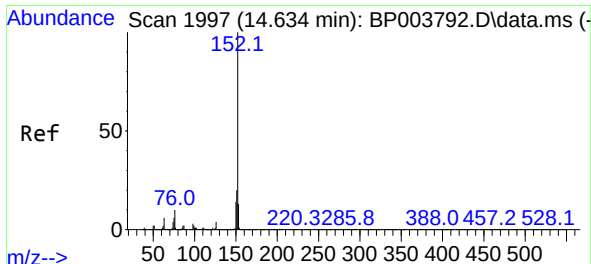


#45
2-Fluorobiphenyl
Concen: 58.10 ng
RT: 13.540 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59



Tgt Ion: 172 Resp: 1505742
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 22.7 19.2 28.8





#49
Acenaphthylene
Concen: 3.30 ng
RT: 14.634 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

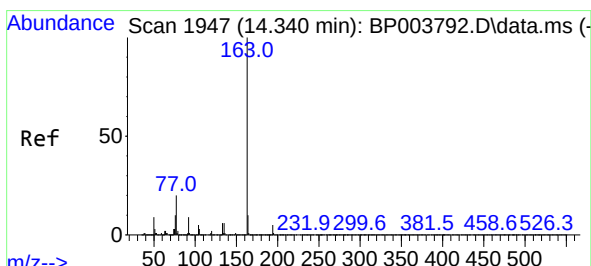
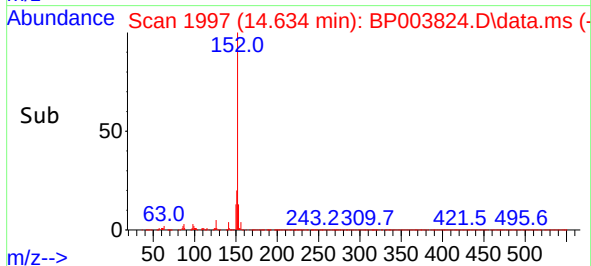
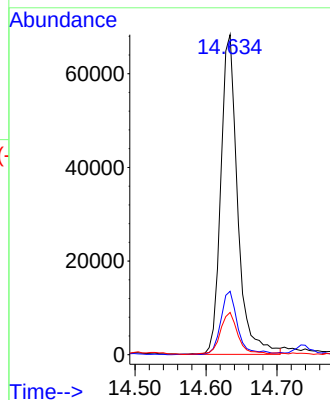
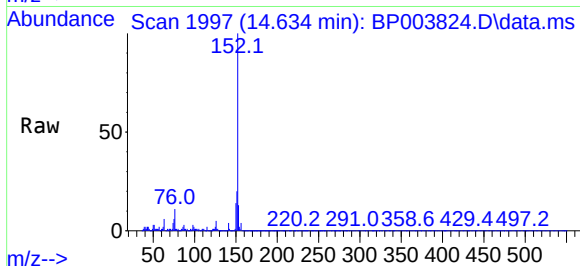
Tgt Ion:152 Resp: 111848
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.2 10.5 15.7

Instrument :
BNA_P
ClientSampled :
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Manual Integrations
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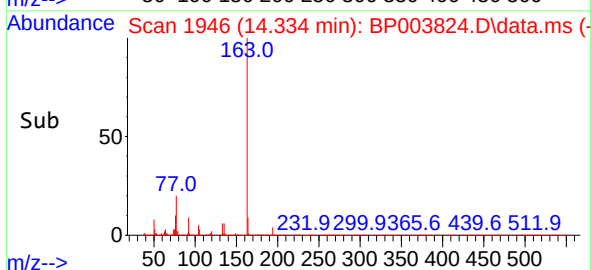
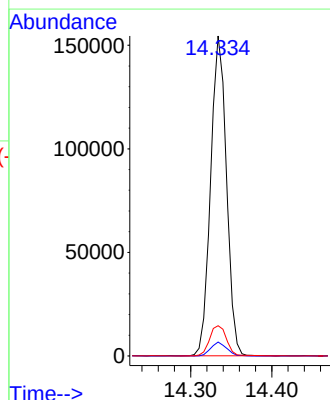
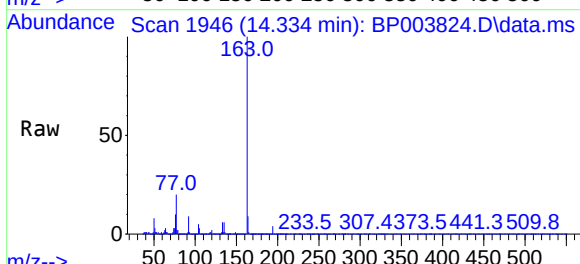
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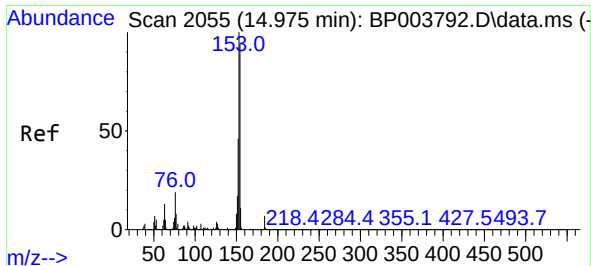
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#50
Dimethylphthalate
Concen: 7.38 ng
RT: 14.334 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:163 Resp: 208882
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 9.5 8.2 12.2





#52
Acenaphthene
Concen: 2.27 ng
RT: 14.969 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

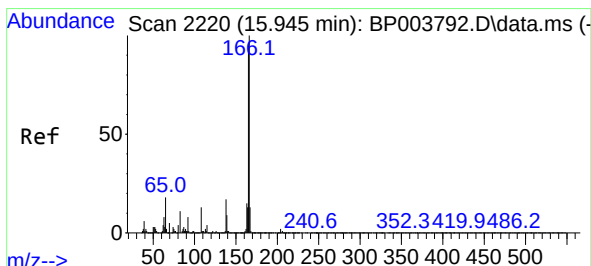
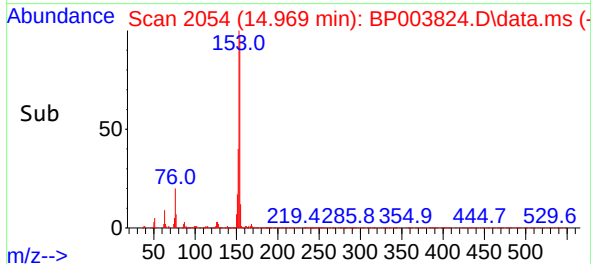
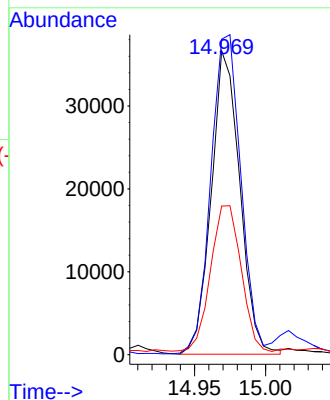
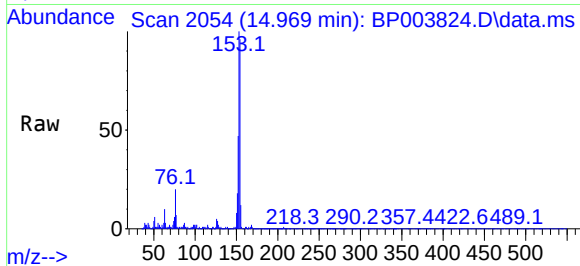
Tgt Ion:	154	Resp:	51300
Ion Ratio	Lower	Upper	
154	100		
153	103.9	91.0	136.6
152	48.9	43.0	64.6

Instrument :
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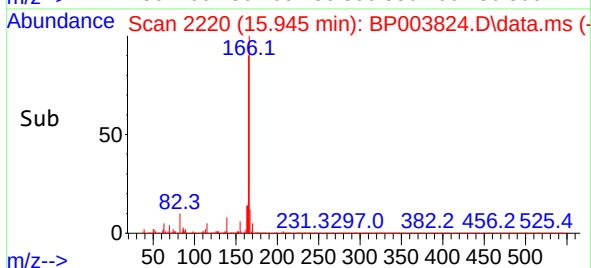
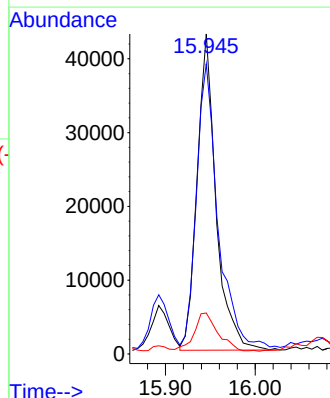
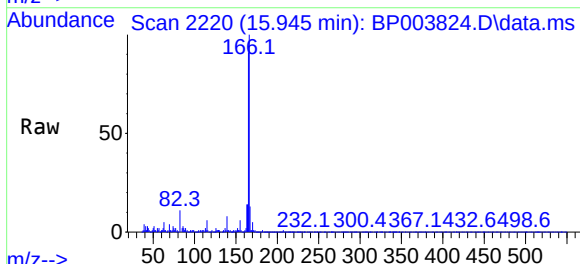
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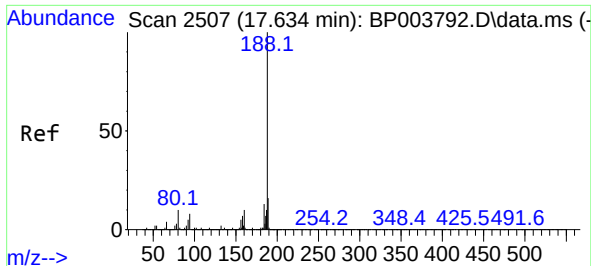
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#58
Fluorene
Concen: 2.34 ng
RT: 15.945 min Scan# 2220
Delta R.T. -0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:	166	Resp:	62845
Ion Ratio	Lower	Upper	
166	100		
165	90.7	77.8	116.8
167	12.8	11.0	16.4





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.634 min Scan# 2507
Delta R.T. -0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

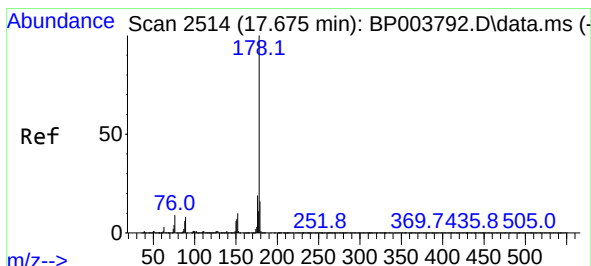
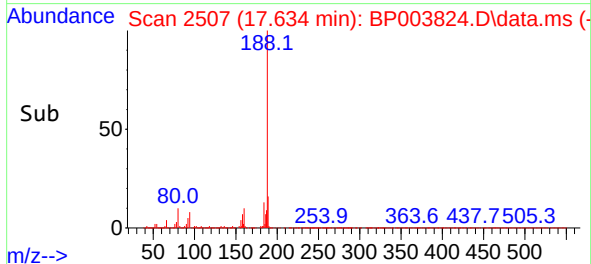
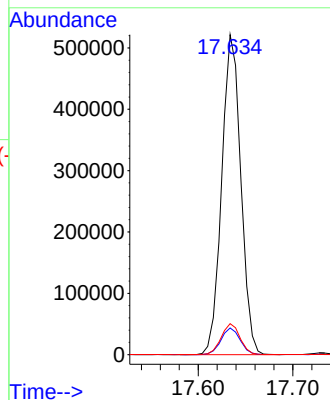
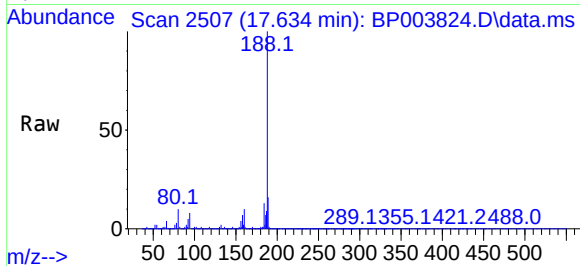
Tgt Ion:188 Resp: 730471
Ion Ratio Lower Upper
188 100
94 8.3 6.2 9.2
80 9.7 6.2 9.2#

Instrument :
BNA_P
ClientSampled :
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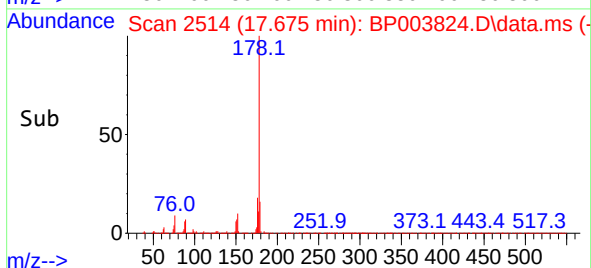
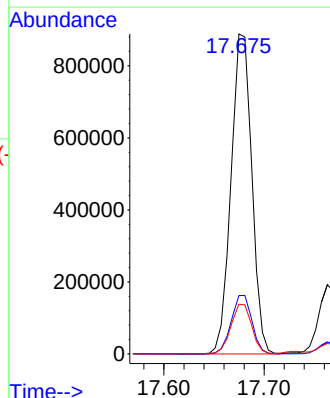
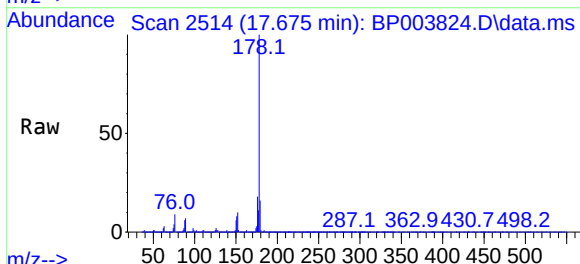
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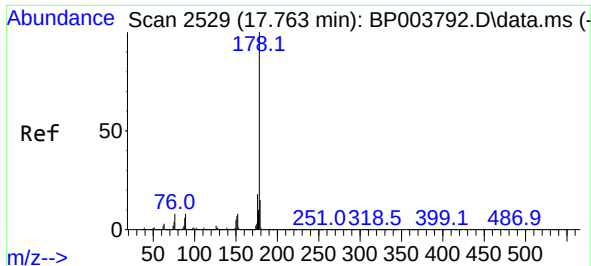
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#71
Phenanthrene
Concen: 31.24 ng
RT: 17.675 min Scan# 2514
Delta R.T. 0.000 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:178 Resp: 1280794
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.6 12.5 18.7





#72
 Anthracene
 Concen: 6.76 ng
 RT: 17.763 min Scan# 2529
 Delta R.T. -0.000 min
 Lab File: BP003824.D
 Acq: 05 Nov 2020 16:59

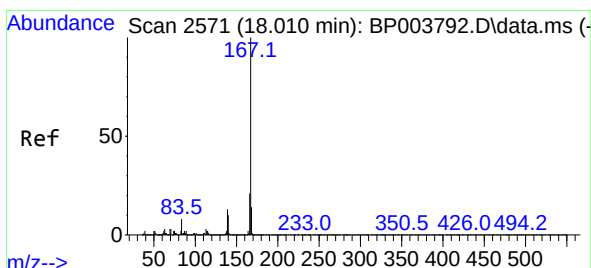
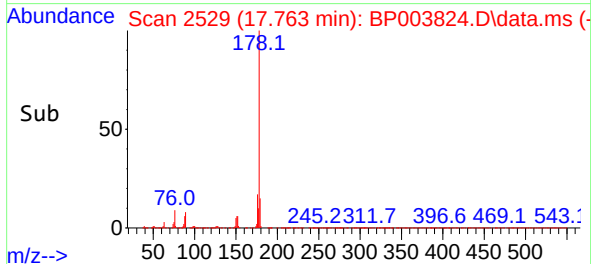
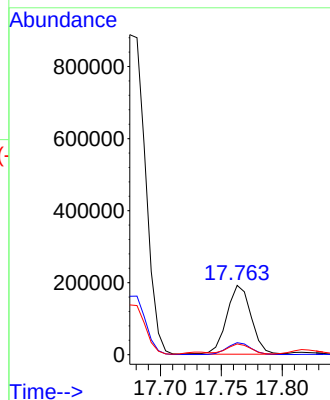
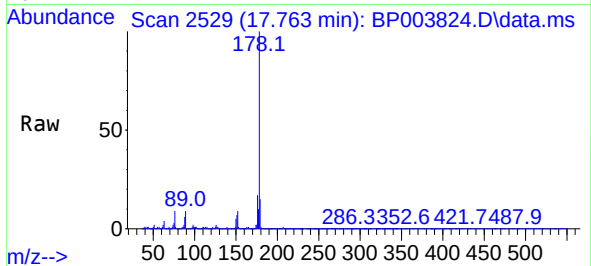
Tgt Ion:	178	Resp:	267711
Ion Ratio	Lower	Upper	
178	100		
176	17.3	15.0	22.4
179	15.4	12.5	18.7

Instrument :
 BNA_P
 ClientSampled :
 B-1

Manual Integrations
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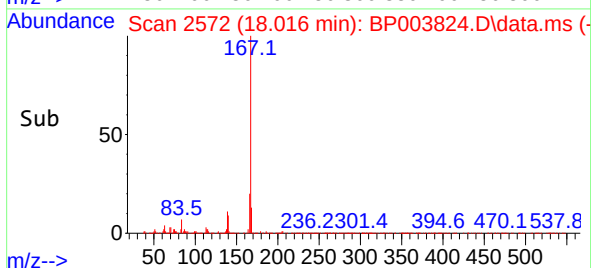
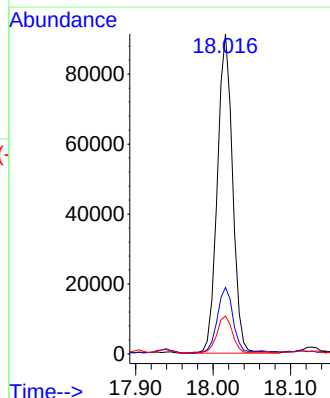
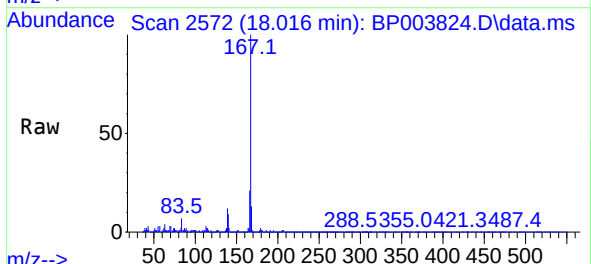
mohammad

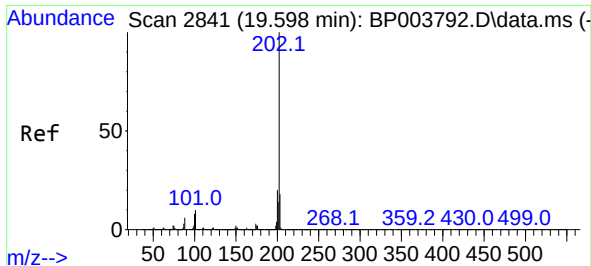
11/6/2020 10:32:54 AM



#73
 Carbazole
 Concen: 3.39 ng
 RT: 18.016 min Scan# 2572
 Delta R.T. 0.006 min
 Lab File: BP003824.D
 Acq: 05 Nov 2020 16:59

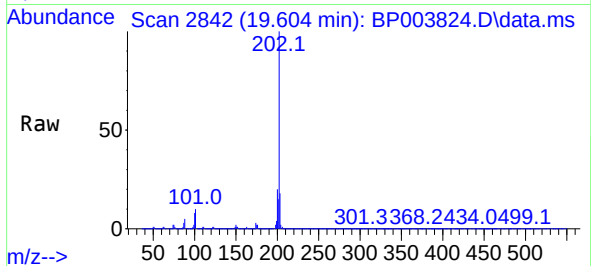
Tgt Ion:	167	Resp:	124690
Ion Ratio	Lower	Upper	
167	100		
166	20.8	17.6	26.4
139	11.9	10.2	15.4





#75
Fluoranthene
Concen: 58.64 ng
RT: 19.604 min Scan# 2842
Delta R.T. 0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Instrument :
BNA_P
ClientSampled :
B-1

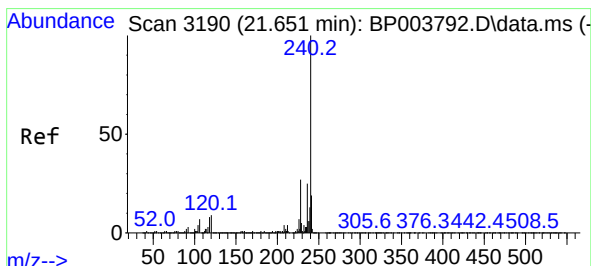
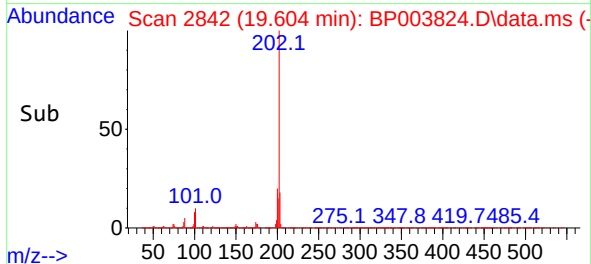
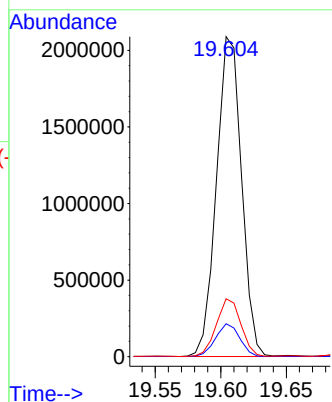


Tgt Ion:202 Resp: 2773799
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.4
203 18.1 0.0 37.8

Manual Integrations
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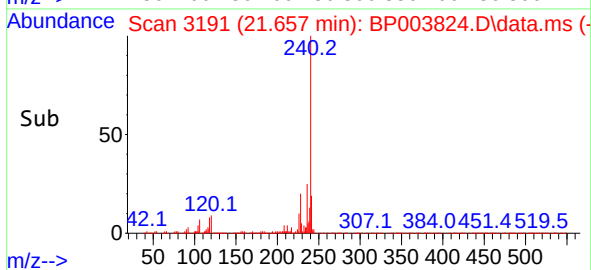
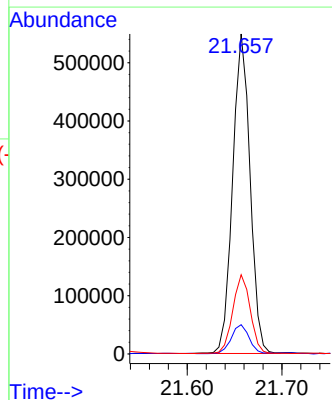
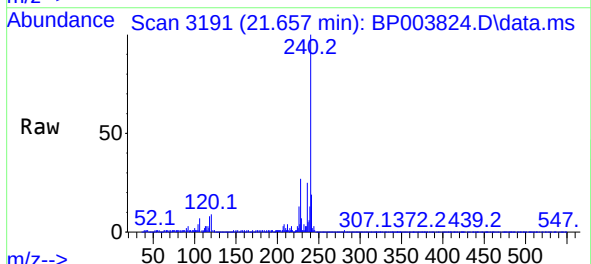
mohammad

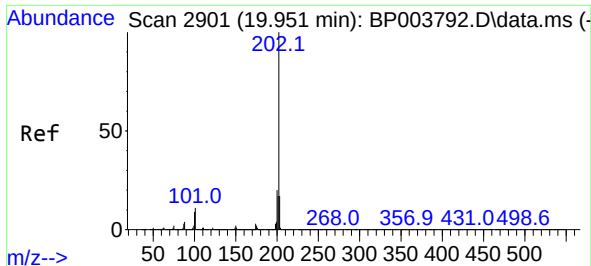
11/6/2020 10:32:54 AM



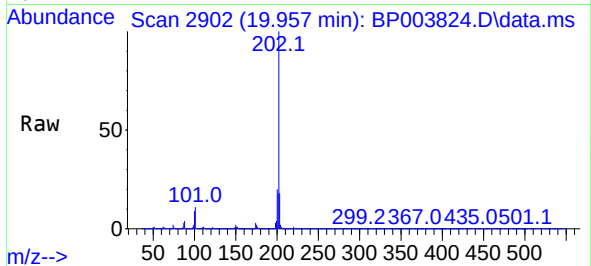
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.657 min Scan# 3191
Delta R.T. 0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:240 Resp: 698744
Ion Ratio Lower Upper
240 100
120 9.1 7.8 11.6
236 24.8 20.8 31.2

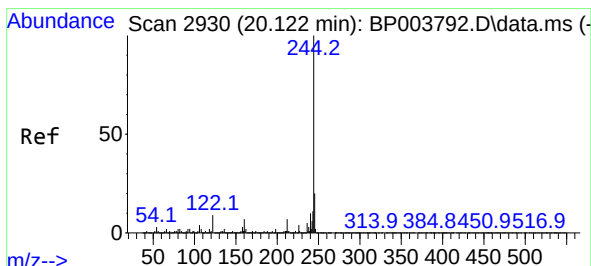
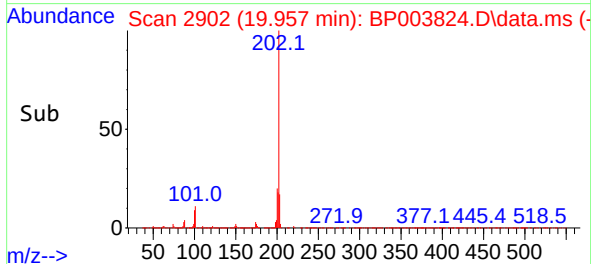
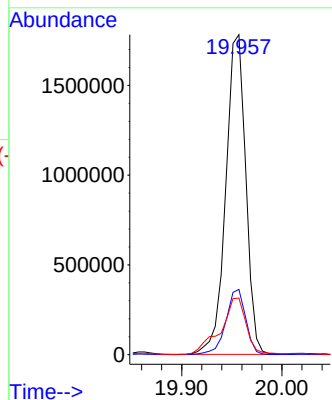




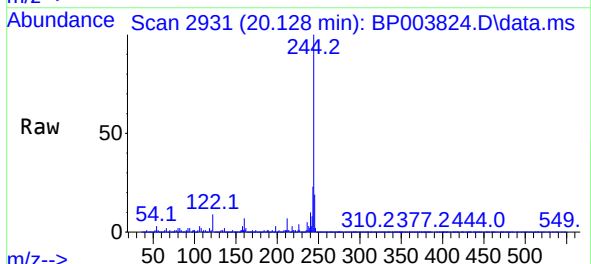
#78
Pyrene
Concen: 52.15 ng
RT: 19.957 min Scan# 2902
Delta R.T. 0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59



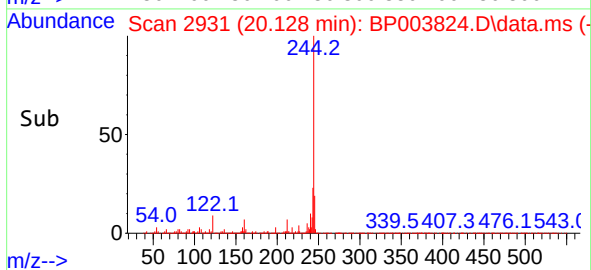
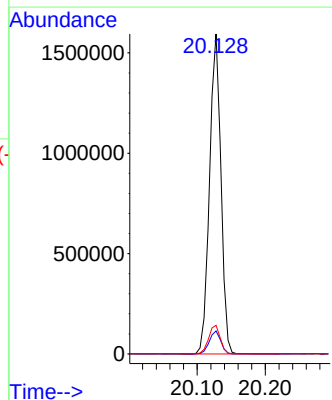
Tgt Ion:202 Resp: 2472642
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 17.7 14.2 21.2



#79
Terphenyl-d14
Concen: 51.16 ng
RT: 20.128 min Scan# 2931
Delta R.T. 0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59



Tgt Ion:244 Resp: 1850391
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 9.0 7.8 11.8

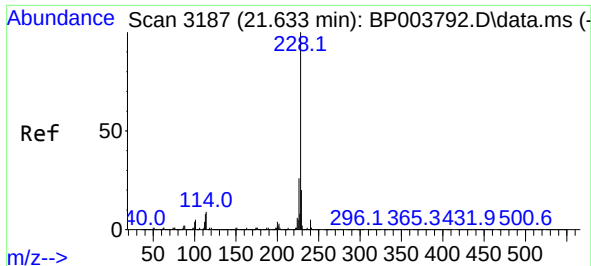


Instrument :
BNA_P
ClientSampled :
B-1

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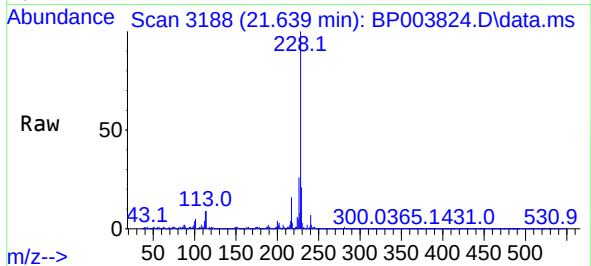
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#81
Benzo(a)anthracene
Concen: 24.40 ng
RT: 21.639 min Scan# 3188
Delta R.T. 0.006 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Instrument :
BNA_P
ClientSampled :
B-1

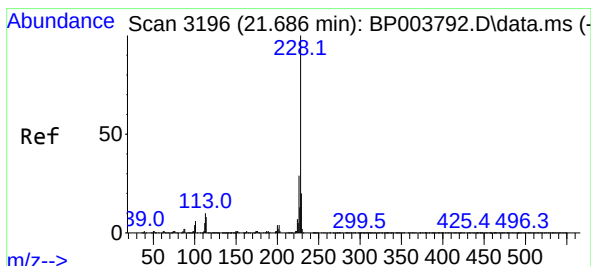
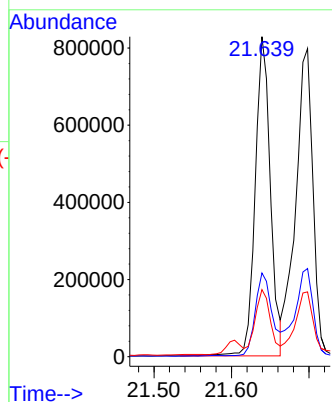


Tgt Ion:228 Resp: 1124297
Ion Ratio Lower Upper
228 100
226 26.1 22.1 33.1
229 21.0 15.9 23.9

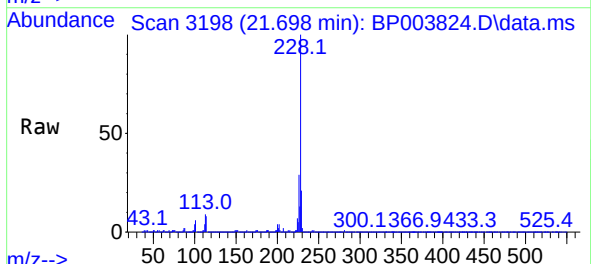
Manual Integrations
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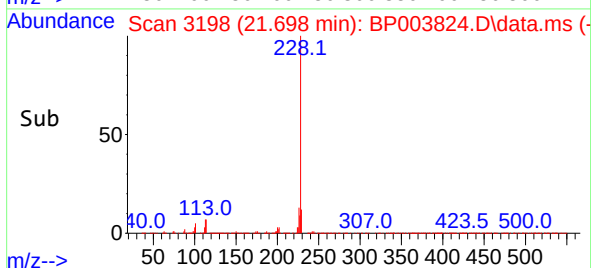
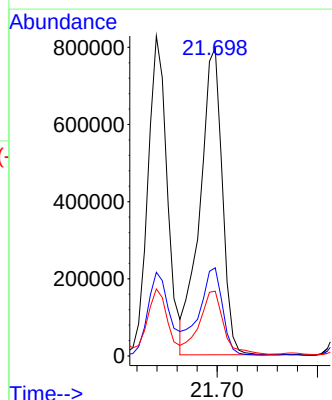
11/6/2020 10:32:54 AM

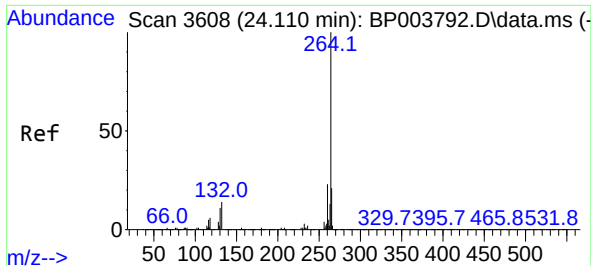


#83
Chrysene
Concen: 27.86 ng
RT: 21.698 min Scan# 3198
Delta R.T. 0.012 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59



Tgt Ion:228 Resp: 1233329
Ion Ratio Lower Upper
228 100
226 28.6 24.4 36.6
229 21.0 15.8 23.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 24.127 min Scan# 3611
Delta R.T. 0.018 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion: 264 Resp: 743012

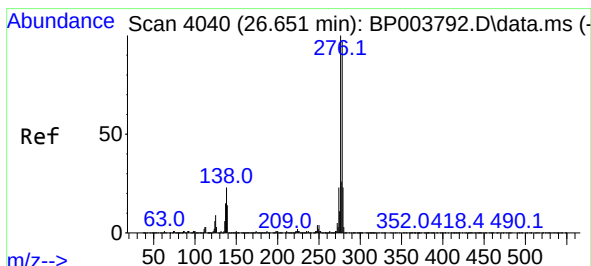
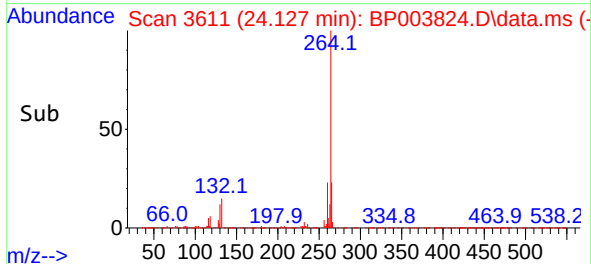
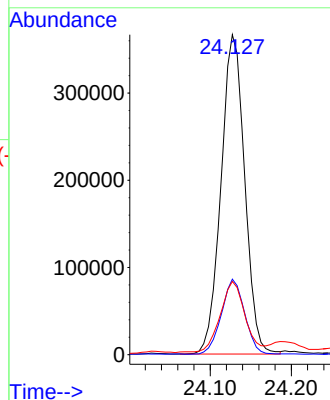
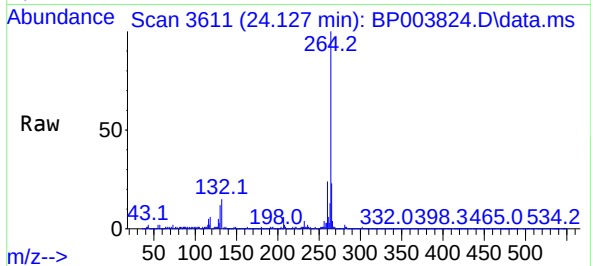
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.9	17.4	26.2

Instrument :
BNA_P
ClientSampled :
B-1

Manual Integrations
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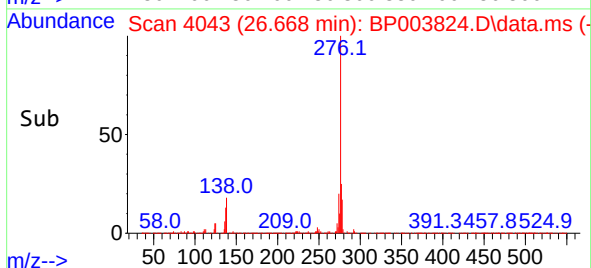
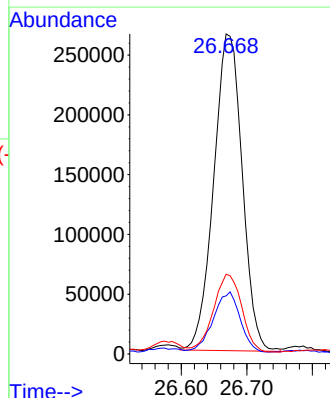
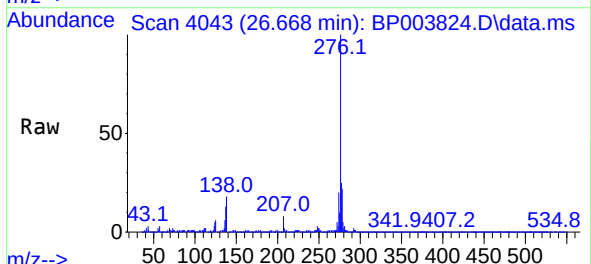
11/6/2020 10:32:54 AM

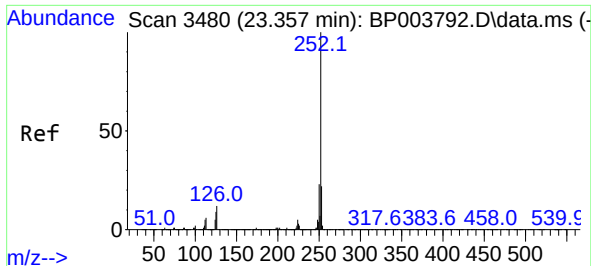


#87
Indeno(1,2,3-cd)pyrene
Concen: 14.92 ng
RT: 26.668 min Scan# 4043
Delta R.T. 0.018 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

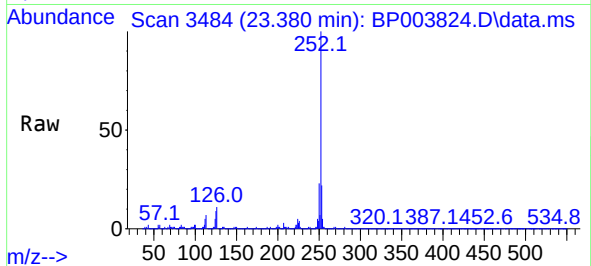
Tgt Ion: 276 Resp: 799647

Ion	Ratio	Lower	Upper
276	100		
138	18.1	18.7	28.1#
277	24.6	20.4	30.6

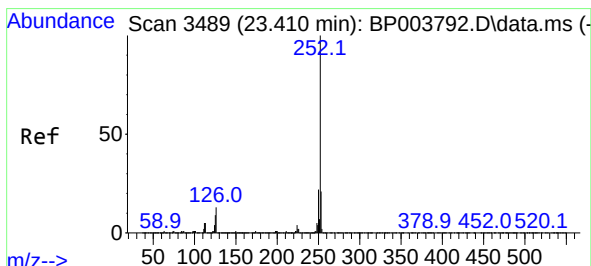
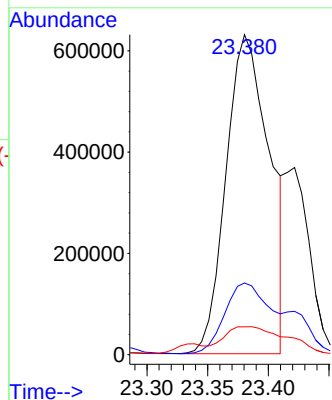
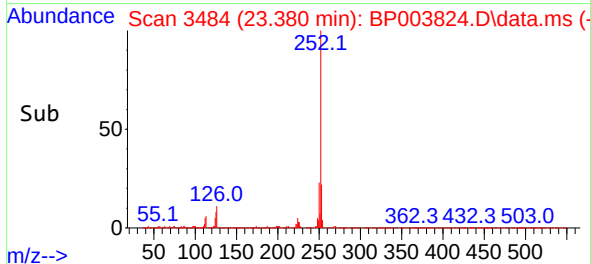




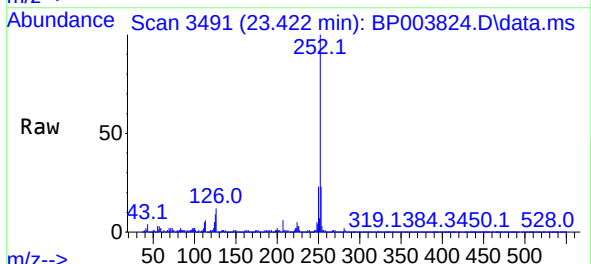
#88
Benzo(b)fluoranthene
Concen: 32.27 ng m
RT: 23.380 min Scan# 3484
Delta R.T. 0.024 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59



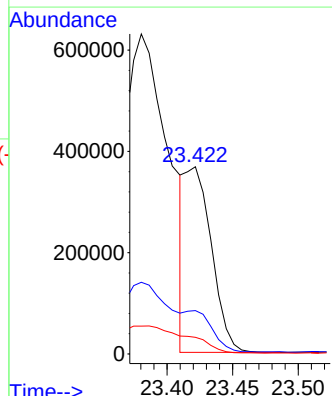
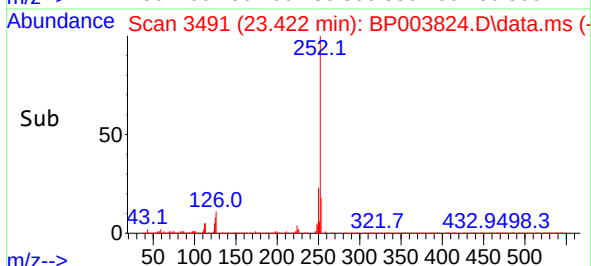
Tgt Ion:252 Resp: 1568997
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 8.7 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 10.64 ng m
RT: 23.422 min Scan# 3491
Delta R.T. 0.012 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59



Tgt Ion:252 Resp: 510692
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 8.9 7.4 11.2

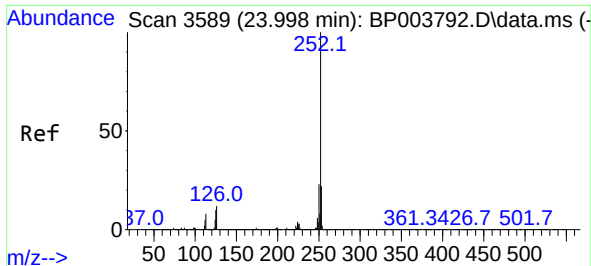


Instrument :
BNA_P
ClientSampled :
B-1

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 24.66 ng
RT: 24.022 min Scan# 3593
Delta R.T. 0.024 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

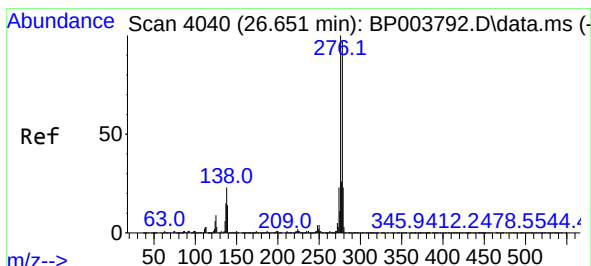
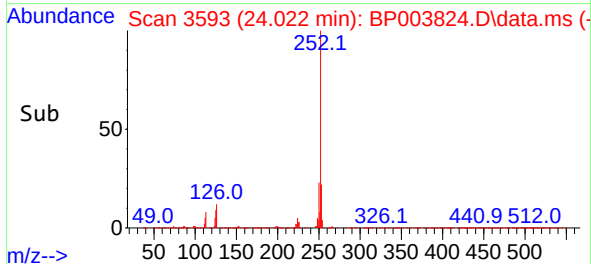
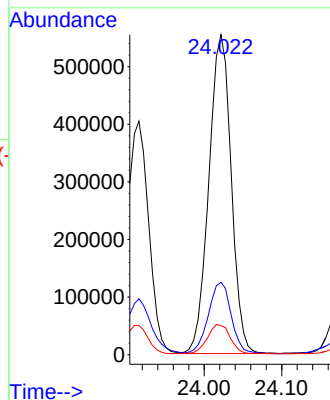
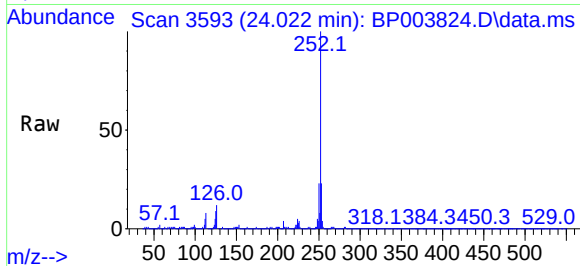
Tgt Ion:252 Resp: 1110087
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 9.1 8.2 12.4

Instrument :
BNA_P
ClientSampled :
B-1

Manual Integrations
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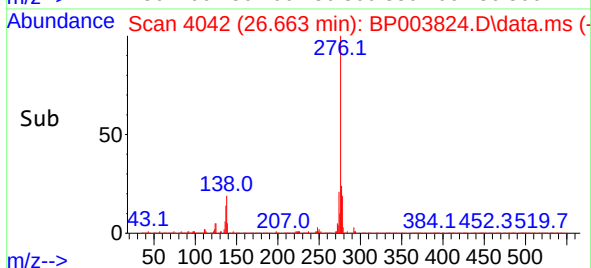
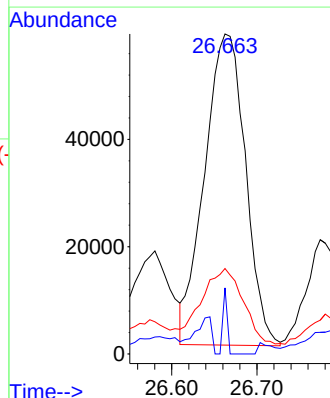
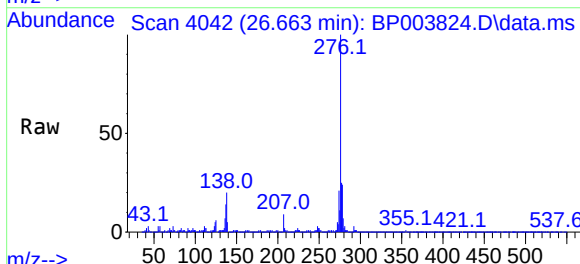
mohammad

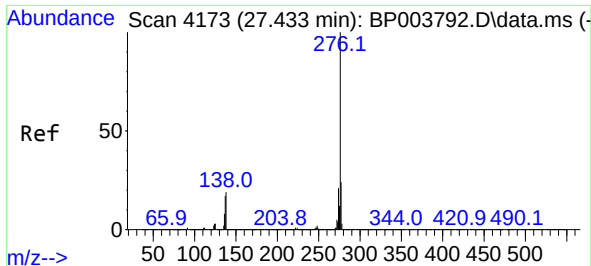
11/6/2020 10:32:54 AM



#91
Dibenzo(a,h)anthracene
Concen: 4.34 ng
RT: 26.663 min Scan# 4042
Delta R.T. 0.012 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion:278 Resp: 193706
Ion Ratio Lower Upper
278 100
139 20.6 12.4 18.6#
279 26.7 19.0 28.6





#92
Benzo(g,h,i)perylene
Concen: 19.12 ng
RT: 27.462 min Scan# 4178
Delta R.T. 0.029 min
Lab File: BP003824.D
Acq: 05 Nov 2020 16:59

Tgt Ion: 276 Resp: 826759
Ion Ratio Lower Upper
276 100
277 23.5 19.0 28.6
138 18.4 16.6 24.8

Instrument :
BNA_P
ClientSampleId :
B-1

Manual Integrations
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