

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110520\
 Data File : BP003826.D
 Acq On : 05 Nov 2020 18:08
 Operator : CG/JU
 Sample : L4521-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-3

Manual Integrations
 APPROVED

mohammad
 11/6/2020 10:32:57 AM

Quant Time: Nov 05 23:56:36 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	154946	20.00	ng	0.00
21) Naphthalene-d8	11.128	136	580790	20.00	ng	# 0.00
39) Acenaphthene-d10	14.910	164	343733	20.00	ng	0.00
64) Phenanthrene-d10	17.640	188	693016	20.00	ng	0.00
76) Chrysene-d12	21.663	240	640578	20.00	ng	0.01
86) Perylene-d12	24.139	264	703859	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.822	112	957939	103.18	ng	0.01
7) Phenol-d6	7.464	99	1198860	89.96	ng	0.00
23) Nitrobenzene-d5	9.458	82	761064	64.18	ng	0.00
42) 2,4,6-Tribromophenol	16.387	330	428468	99.66	ng	0.00
45) 2-Fluorobiphenyl	13.540	172	1578764	64.21	ng	0.00
79) Terphenyl-d14	20.128	244	1859376	56.08	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.634	152	217551	6.77	ng	97
50) Dimethylphthalate	14.334	163	245459	9.14	ng	99
52) Acenaphthene	14.975	154	154009	7.19	ng	96
55) Dibenzofuran	15.298	168	94699	2.98	ng	96
58) Fluorene	15.945	166	185747	7.29	ng	99
71) Phenanthrene	17.681	178	3682909	94.69	ng	99
72) Anthracene	17.769	178	783569	20.86	ng	99
73) Carbazole	18.016	167	524350	15.05	ng	98
75) Fluoranthene	19.616	202	7757909	172.87	ng	97
78) Pyrene	19.963	202	6627606	152.46	ng	99
81) Benzo(a)anthracene	21.645	228	3319318	78.58	ng	98
83) Chrysene	21.704	228	3566110	87.86	ng	97
84) Bis(2-ethylhexyl)phtha...	21.528	149	52847	2.21	ng	94
87) Indeno(1,2,3-cd)pyrene	26.698	276	2488682	49.01	ng	# 94
88) Benzo(b)fluoranthene	23.392	252	4812307	104.48	ng	98
89) Benzo(k)fluoranthene	23.433	252	1647980m	36.24	ng	
90) Benzo(a)pyrene	24.033	252	3284969	77.04	ng	98
91) Dibenzo(a,h)anthracene	26.686	278	601832	14.22	ng	# 83
92) Benzo(g,h,i)perylene	27.492	276	2518820	61.48	ng	97

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

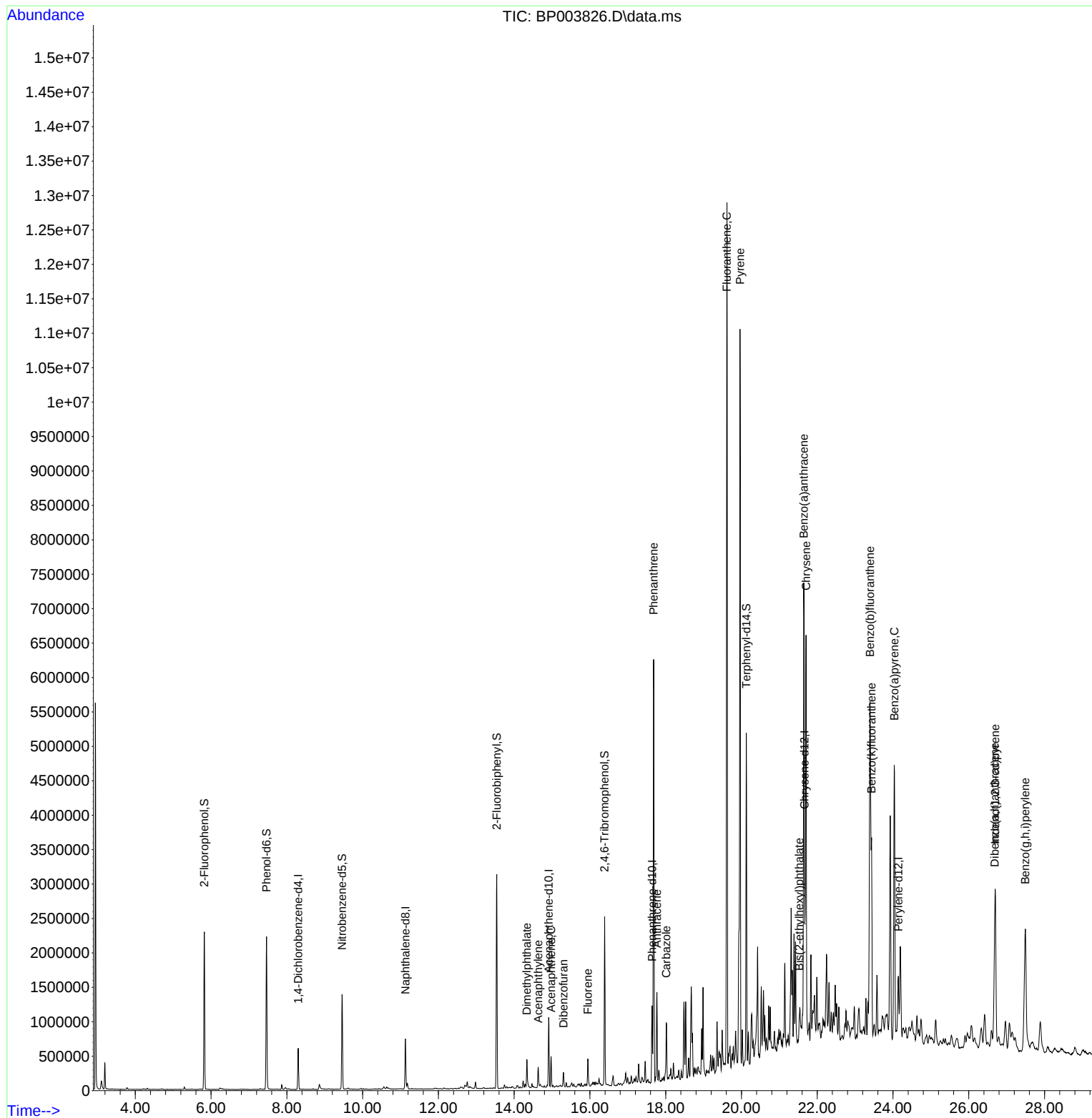
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110520\
Data File : BP003826.D
Acq On : 05 Nov 2020 18:08
Operator : CG/JU
Sample : L4521-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-3

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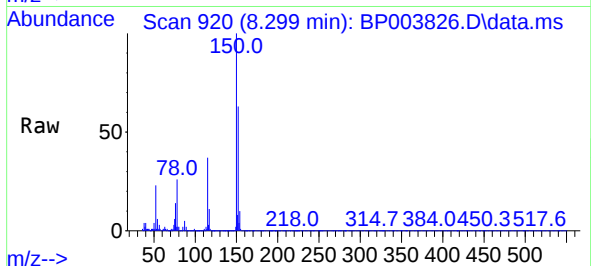
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 05 14:31:45 2020
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.299 min Scan# 920
Delta R.T. 0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

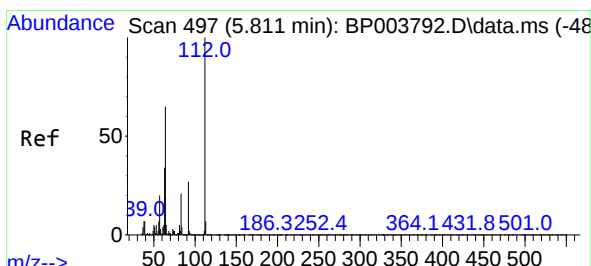
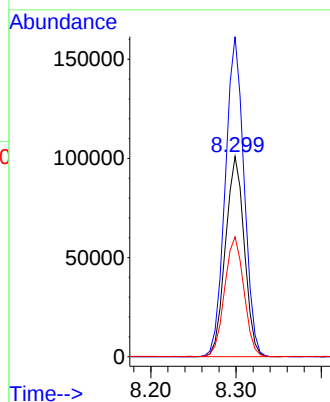
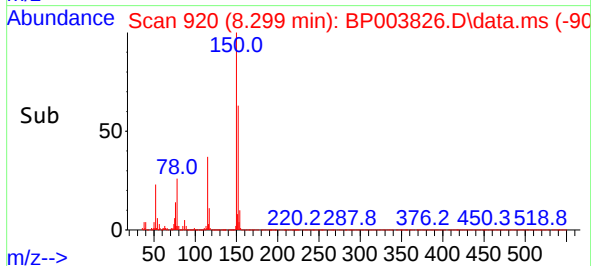
Instrument :
BNA_P
ClientSampled :
B-3



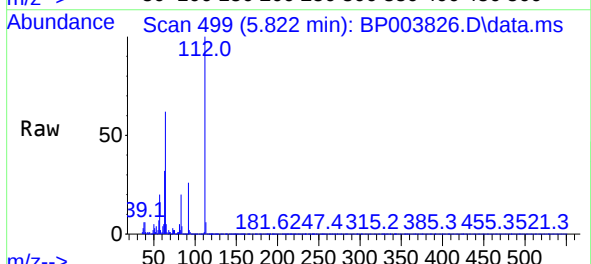
Tgt Ion:152 Resp: 154946
Ion Ratio Lower Upper
152 100
150 159.9 123.8 185.6
115 59.9 43.8 65.6

Manual Integrations
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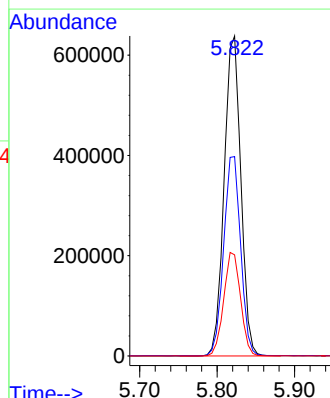
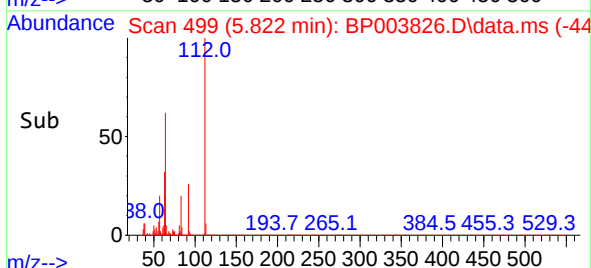
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#5
2-Fluorophenol
Concen: 103.18 ng
RT: 5.822 min Scan# 499
Delta R.T. 0.011 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08



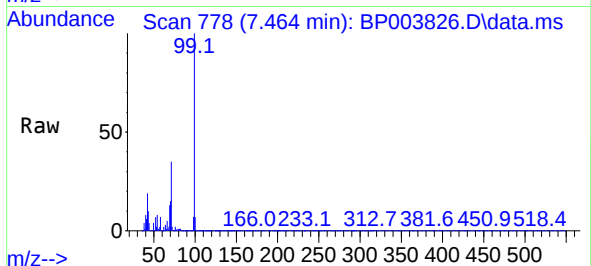
Tgt Ion:112 Resp: 957939
Ion Ratio Lower Upper
112 100
64 62.3 32.8 49.2#
63 31.6 17.0 25.4#





#7
Phenol-d6
Concen: 89.96 ng
RT: 7.464 min Scan# 778
Delta R.T. 0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

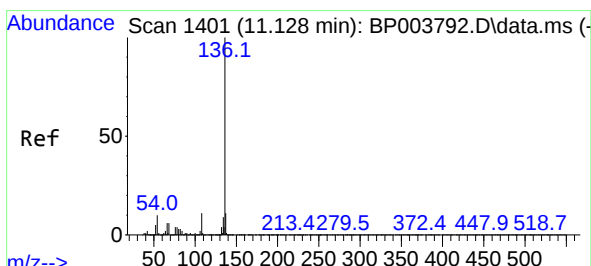
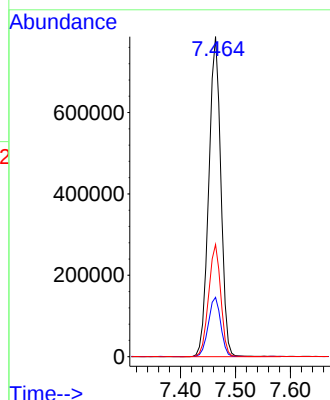
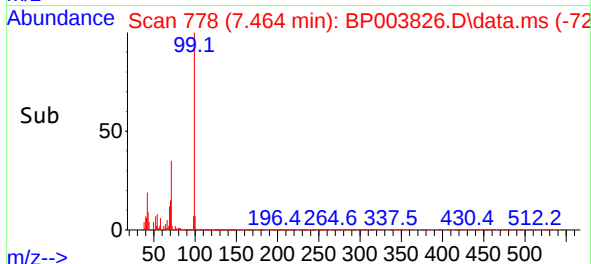
Instrument :
BNA_P
ClientSampled :
B-3



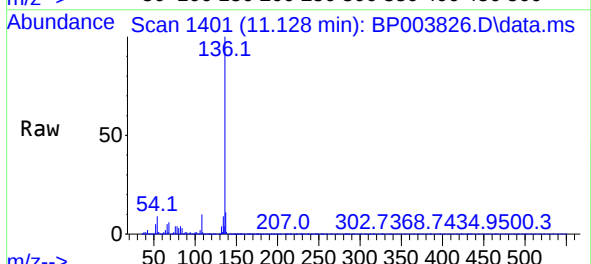
Tgt Ion: 99 Resp: 1198860
Ion Ratio Lower Upper
99 100
42 18.6 8.6 13.0#
71 35.0 23.4 35.2

Manual Integrations
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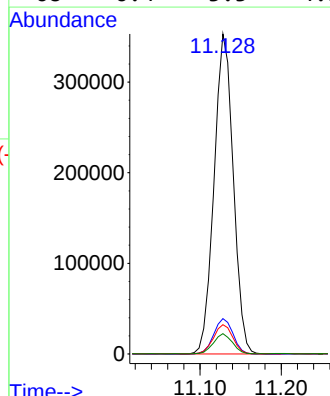
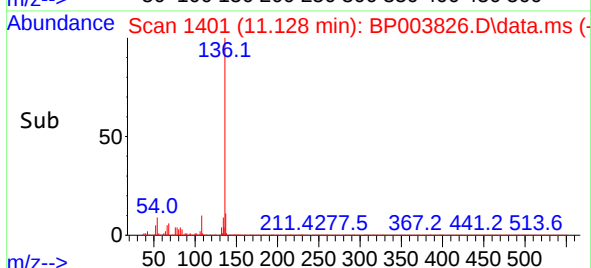
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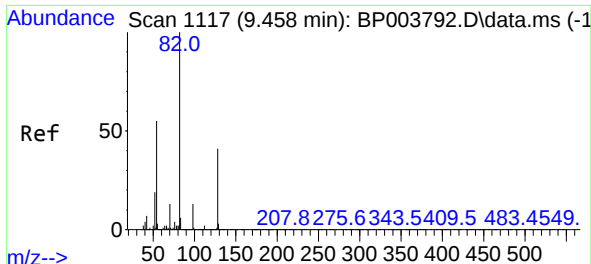


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.128 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08



Tgt Ion: 136 Resp: 580790
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.1 3.6 5.4#
68 6.4 3.3 4.9#





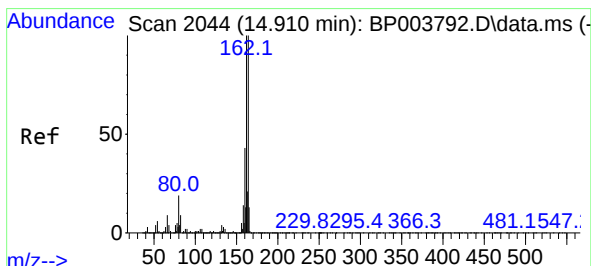
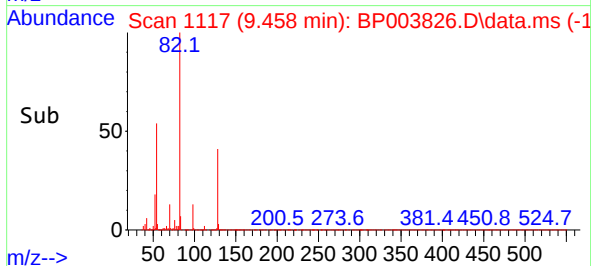
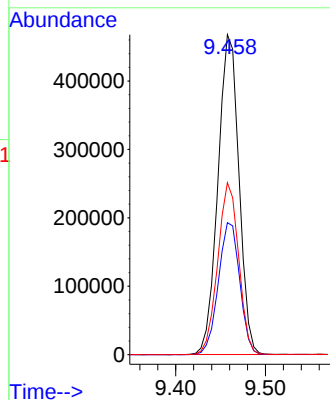
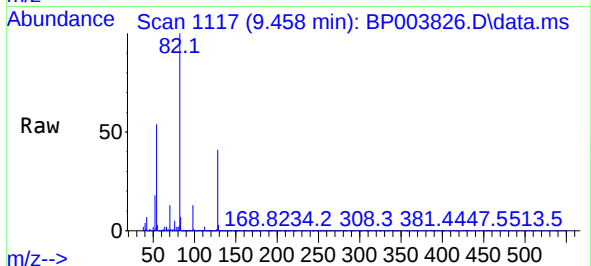
#23
Nitrobenzene-d5
Concen: 64.18 ng
RT: 9.458 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion: 82 Resp: 761064
Ion Ratio Lower Upper
82 100
128 41.2 45.6 68.4#
54 53.8 30.1 45.1#

Instrument :
BNA_P
ClientSampled :
B-3

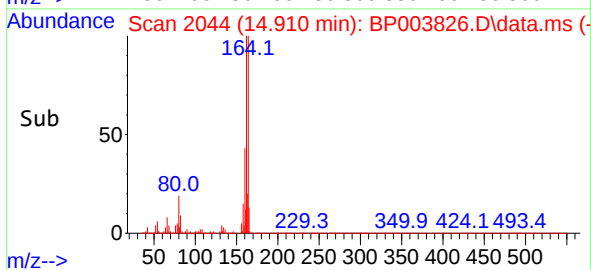
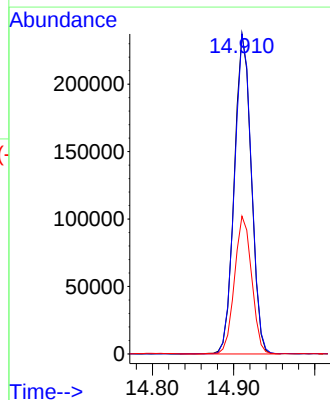
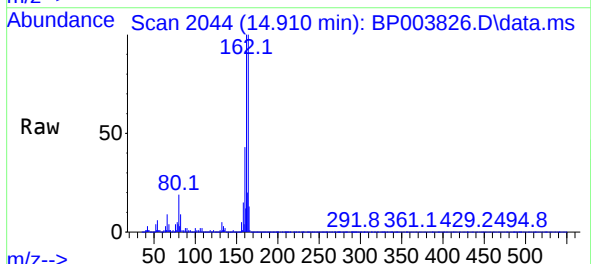
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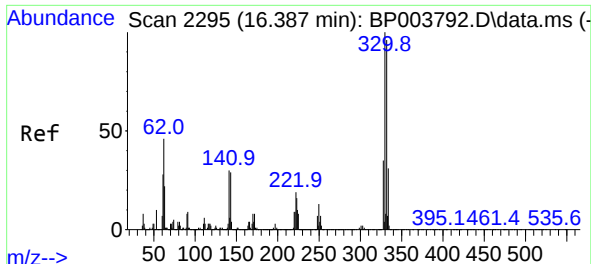
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.910 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

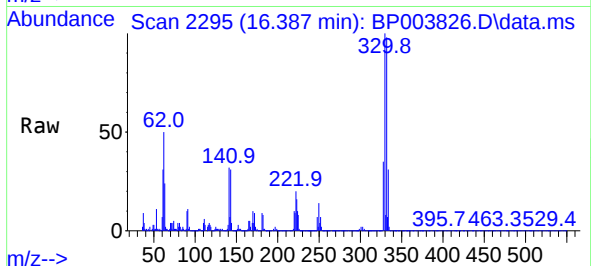
Tgt Ion: 164 Resp: 343733
Ion Ratio Lower Upper
164 100
162 99.9 79.4 119.2
160 43.0 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 99.66 ng
RT: 16.387 min Scan# 2295
Delta R.T. -0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

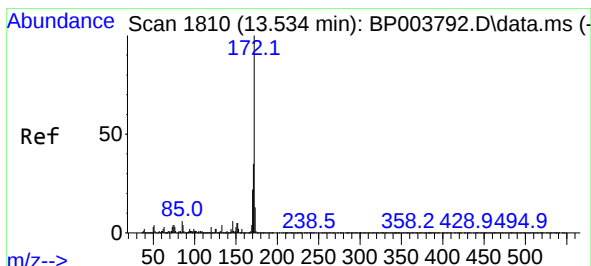
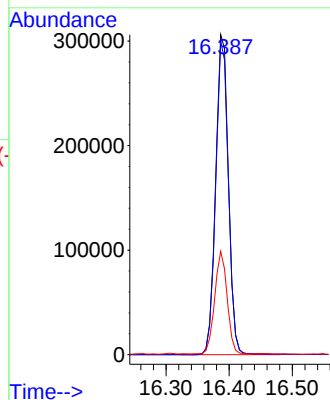
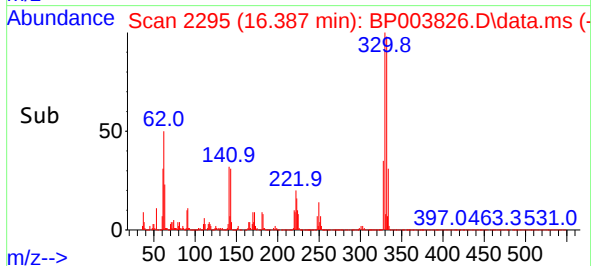
Instrument :
BNA_P
ClientSampled :
B-3



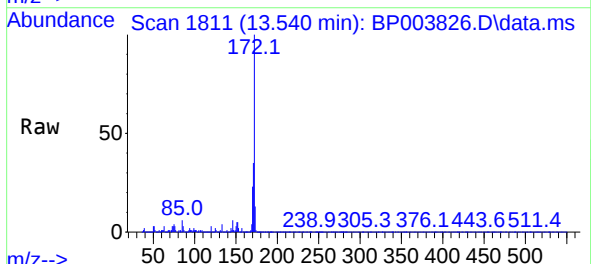
Tgt Ion:330 Resp: 428468
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 31.1 23.4 35.2

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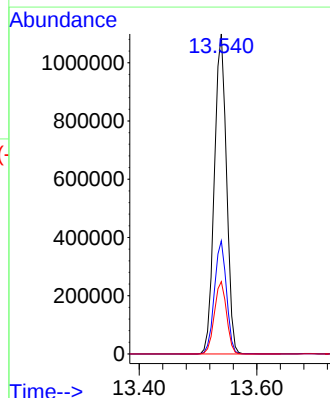
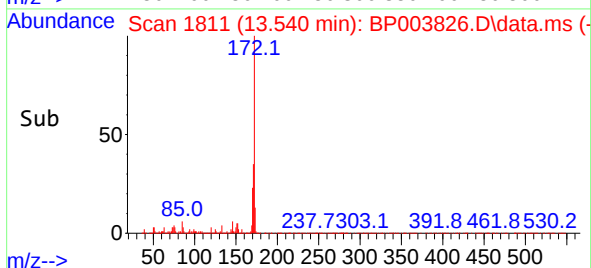
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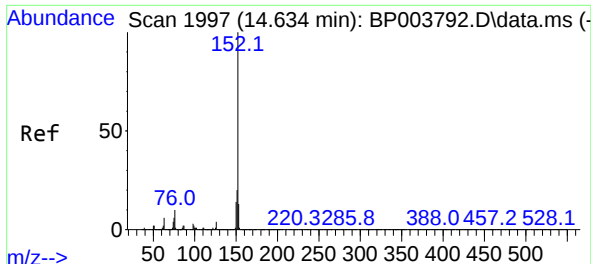


#45
2-Fluorobiphenyl
Concen: 64.21 ng
RT: 13.540 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08



Tgt Ion:172 Resp: 1578764
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 22.6 19.2 28.8





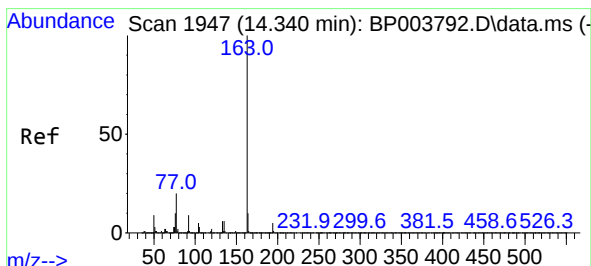
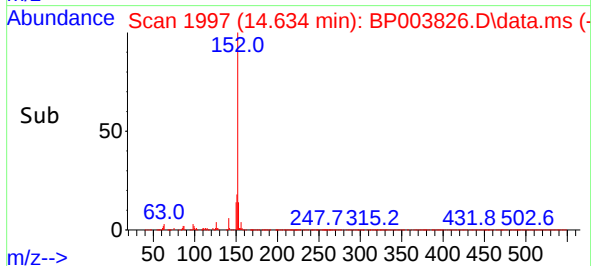
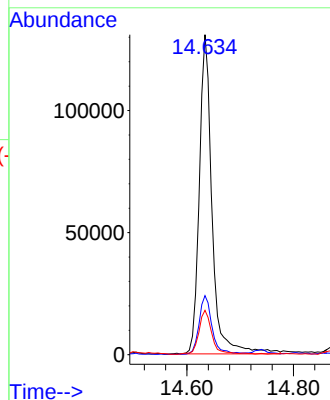
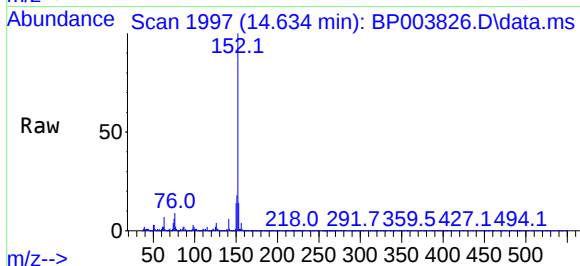
#49
Acenaphthylene
Concen: 6.77 ng
RT: 14.634 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:	152	Resp:	217551
Ion Ratio	Lower	Upper	
152	100		
151	18.4	15.9	23.9
153	13.9	10.5	15.7

Instrument :
BNA_P
ClientSampled :
B-3

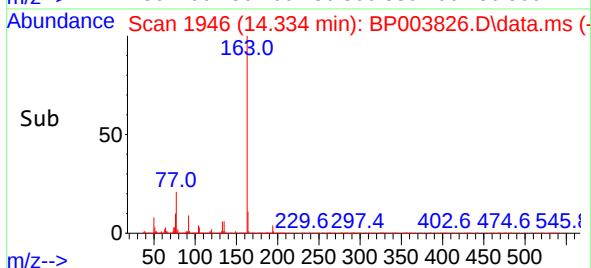
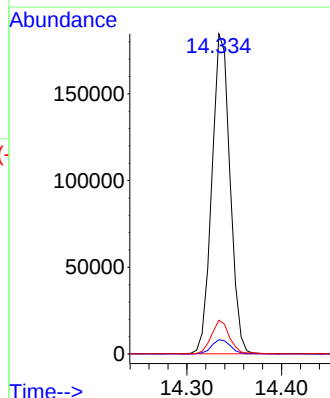
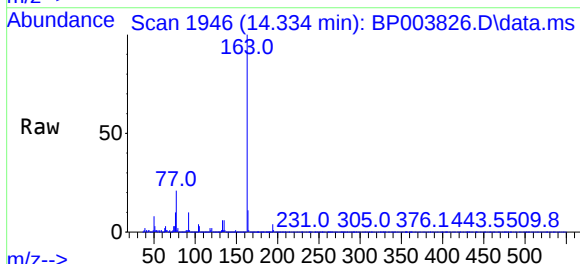
Manual Integrations
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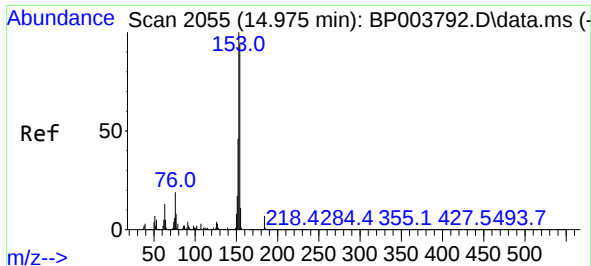
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#50
Dimethylphthalate
Concen: 9.14 ng
RT: 14.334 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

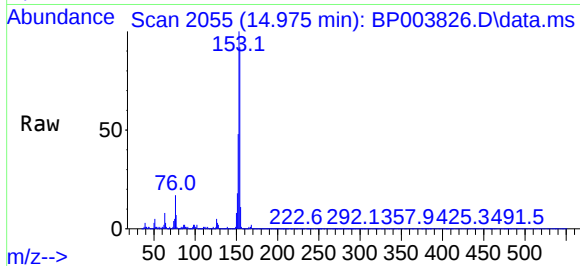
Tgt Ion:	163	Resp:	245459
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.3	4.9
164	10.5	8.2	12.2





#52
Acenaphthene
Concen: 7.19 ng
RT: 14.975 min Scan# 2055
Delta R.T. 0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

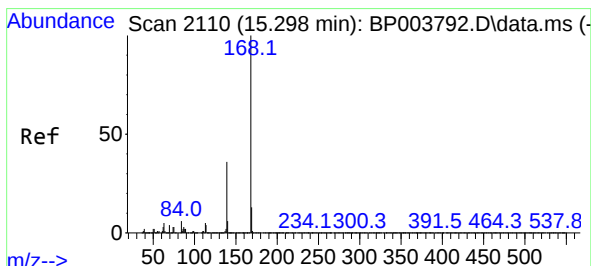
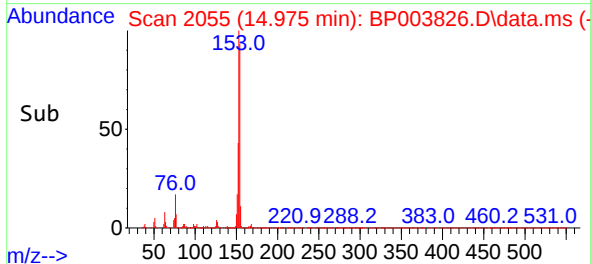
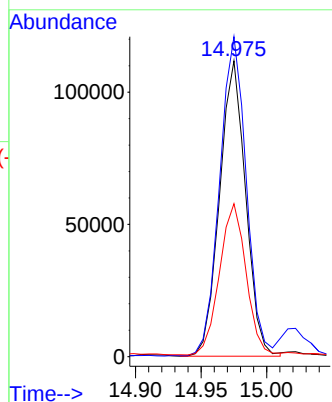
Instrument :
BNA_P
ClientSampled :
B-3



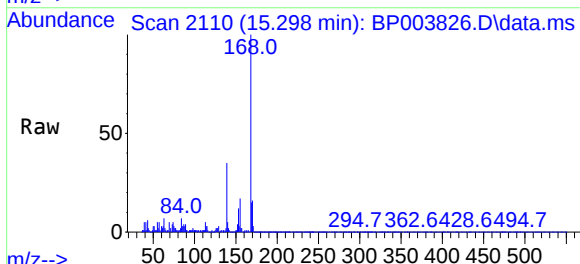
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Ion Ratio Lower Upper
154 100
153 108.2 91.0 136.6
152 51.7 43.0 64.6

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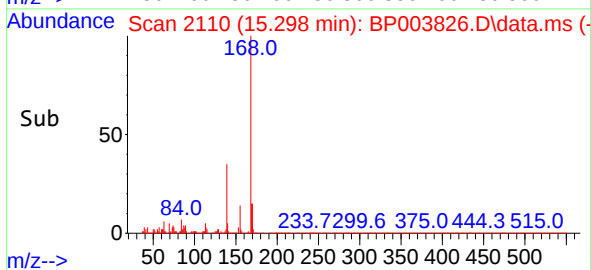
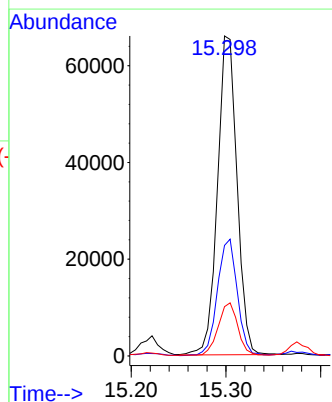
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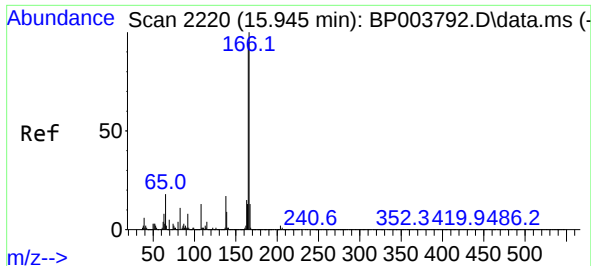


#55
Dibenzofuran
Concen: 2.98 ng
RT: 15.298 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08



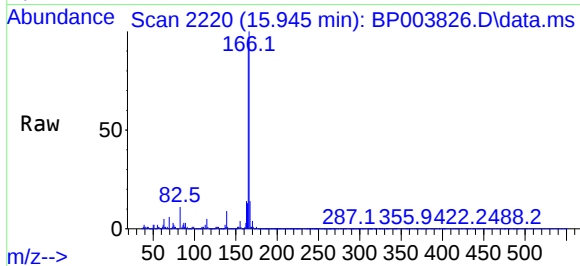
Tgt Ion:168 Resp: 94699
Ion Ratio Lower Upper
168 100
139 34.5 29.1 43.7
169 15.4 10.4 15.6





#58
Fluorene
Concen: 7.29 ng
RT: 15.945 min Scan# 2220
Delta R.T. 0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

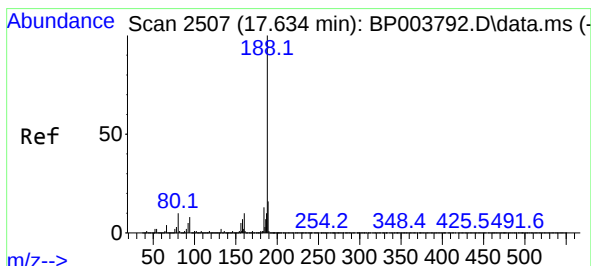
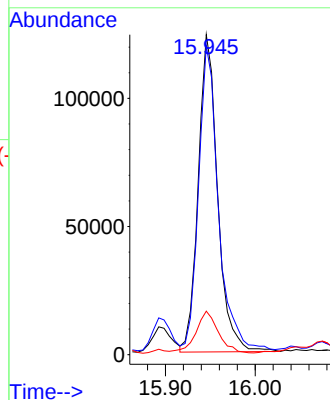
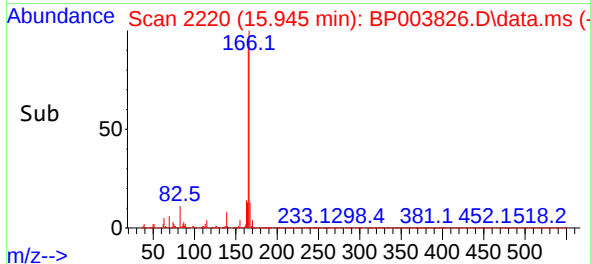
Instrument :
BNA_P
ClientSampled :
B-3



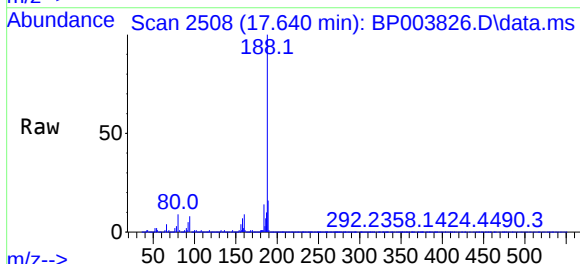
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Ion Ratio Lower Upper
166 100
165 96.6 77.8 116.8
167 13.6 11.0 16.4

Manual Integrations
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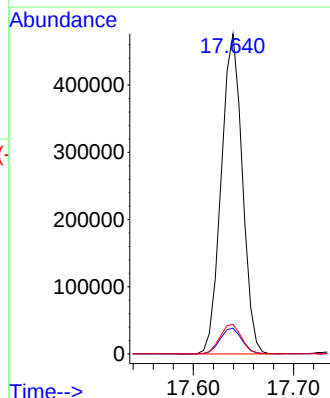
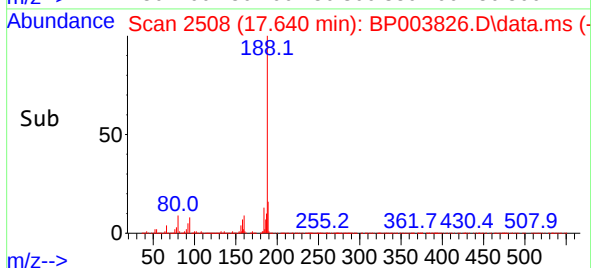
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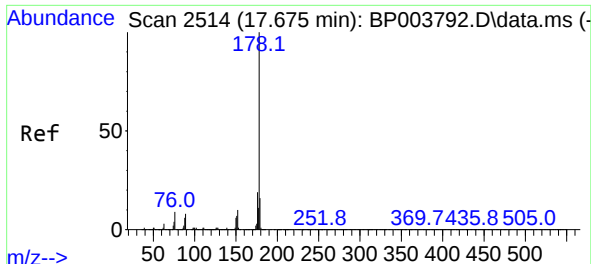


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.640 min Scan# 2508
Delta R.T. 0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08



Tgt Ion:188 Resp: 693016
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.2
80 9.2 6.2 9.2





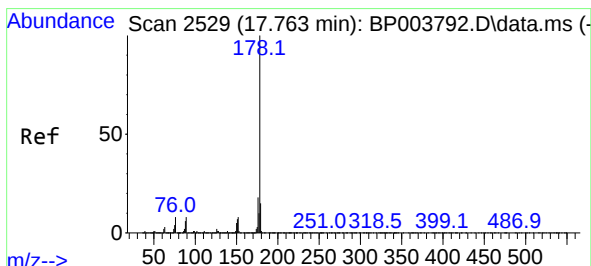
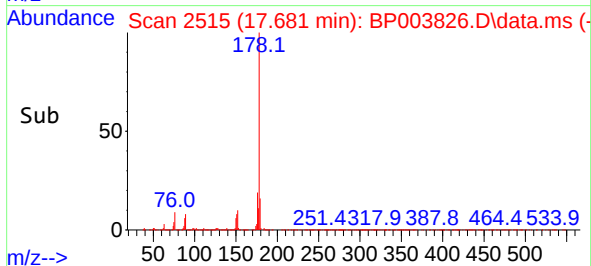
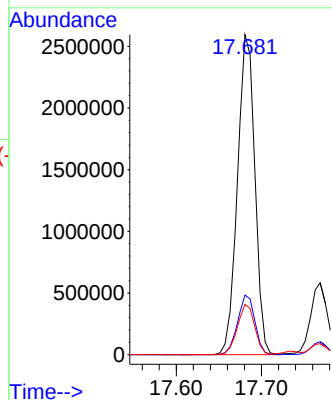
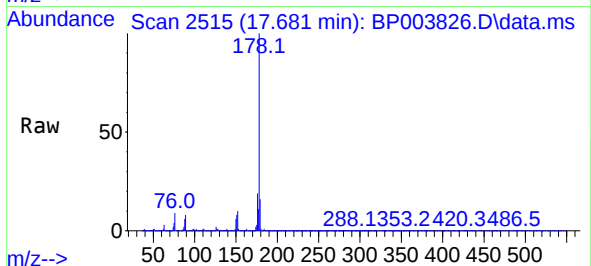
#71
Phenanthrene
Concen: 94.69 ng
RT: 17.681 min Scan# 2515
Delta R.T. 0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:178 Resp: 3682909
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.7 12.5 18.7

Instrument :
BNA_P
ClientSampled :
B-3

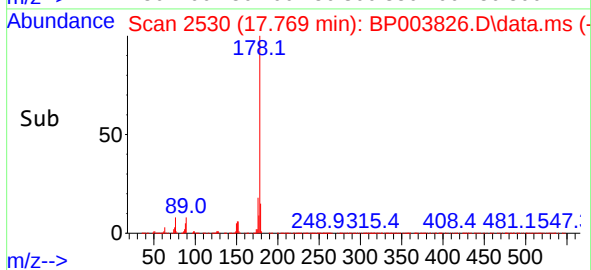
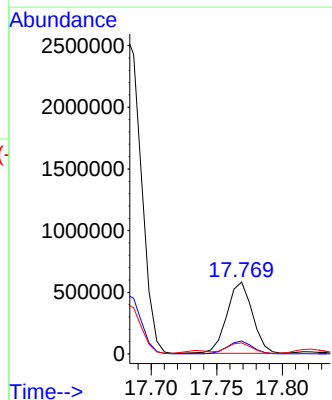
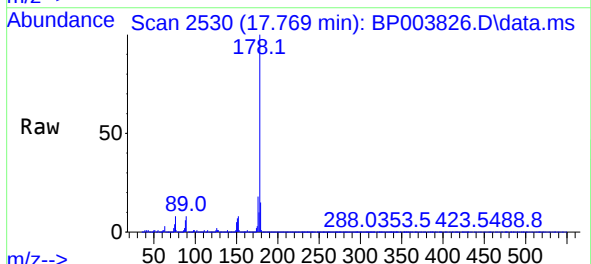
Manual Integrations
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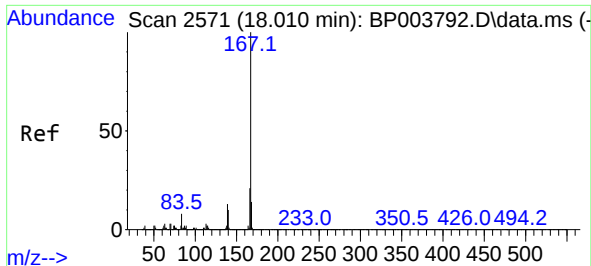
mohammad
11/6/2020 10:32:57 AM



#72
Anthracene
Concen: 20.86 ng
RT: 17.769 min Scan# 2530
Delta R.T. 0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

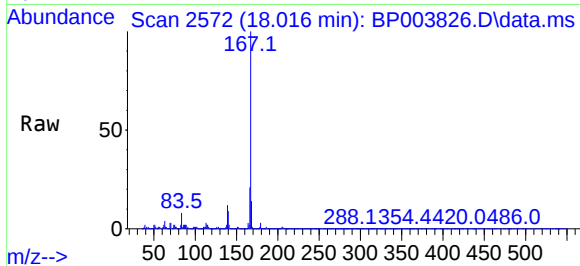
Tgt Ion:178 Resp: 783569
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 15.5 12.5 18.7





#73
 Carbazole
 Concen: 15.05 ng
 RT: 18.016 min Scan# 2572
 Delta R.T. 0.006 min
 Lab File: BP003826.D
 Acq: 05 Nov 2020 18:08

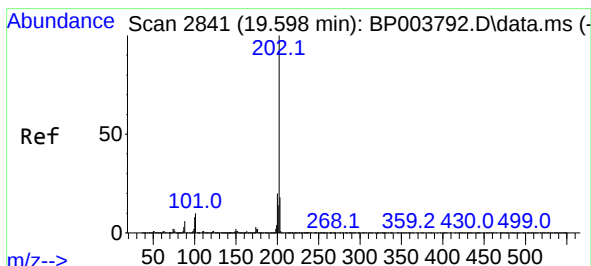
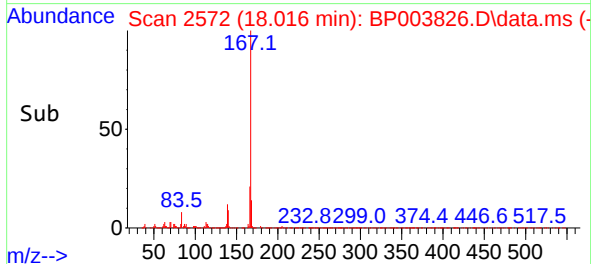
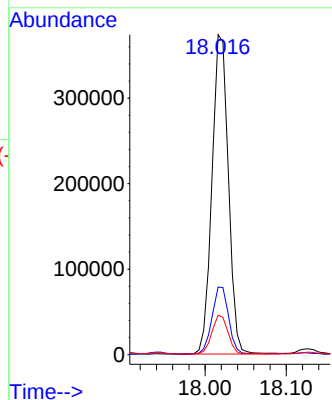
Instrument :
 BNA_P
 ClientSampled :
 B-3



Tgt Ion:167 Resp: 524350
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.6 26.4
 139 12.3 10.2 15.4

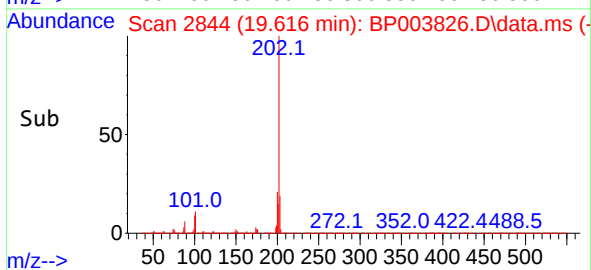
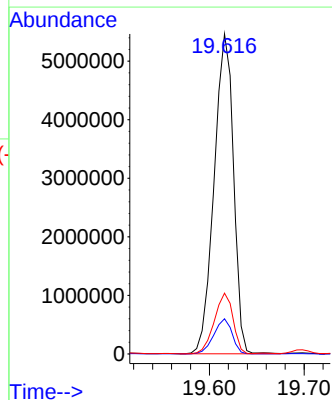
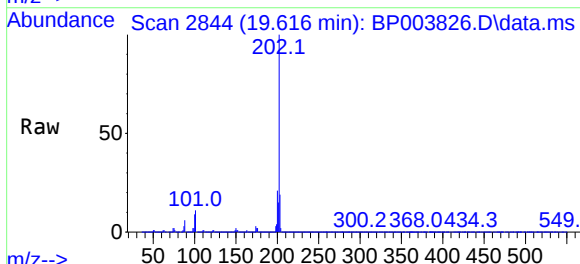
Manual Integrations
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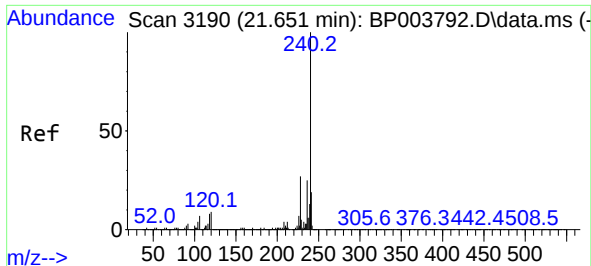
mohammad
 11/6/2020 10:32:57 AM



#75
 Fluoranthene
 Concen: 172.87 ng
 RT: 19.616 min Scan# 2844
 Delta R.T. 0.018 min
 Lab File: BP003826.D
 Acq: 05 Nov 2020 18:08

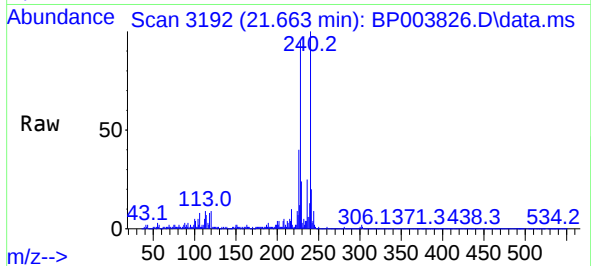
Tgt Ion:202 Resp: 7757909
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 29.4
 203 19.0 0.0 37.8





#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.663 min Scan# 3192
Delta R.T. 0.012 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

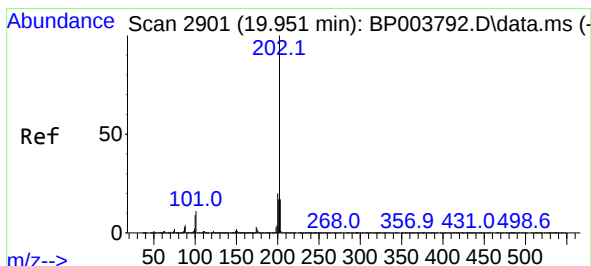
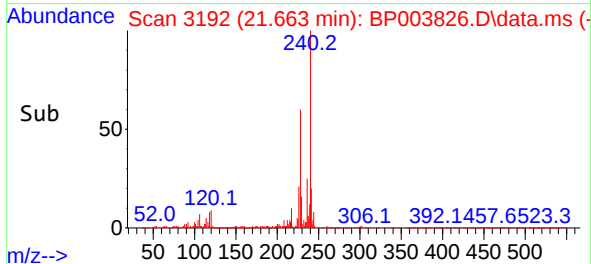
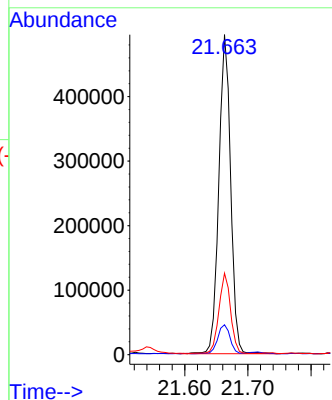
Instrument :
BNA_P
ClientSampled :
B-3



Tgt Ion:240 Resp: 640578
Ion Ratio Lower Upper
240 100
120 9.3 7.8 11.6
236 25.4 20.8 31.2

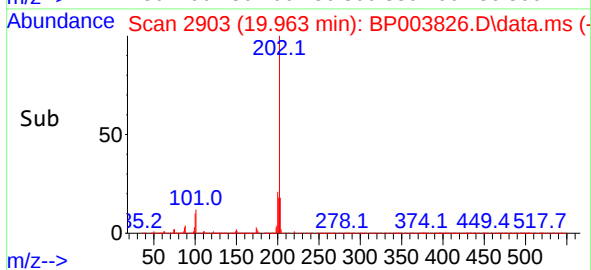
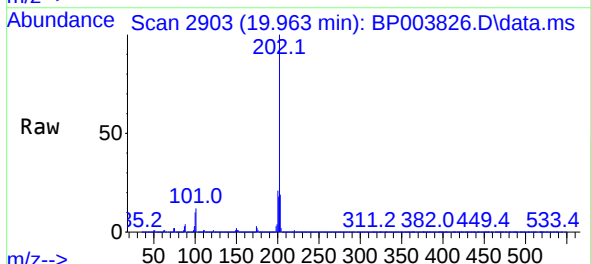
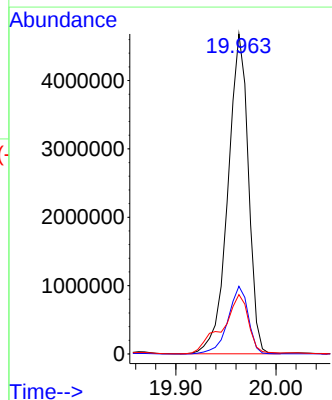
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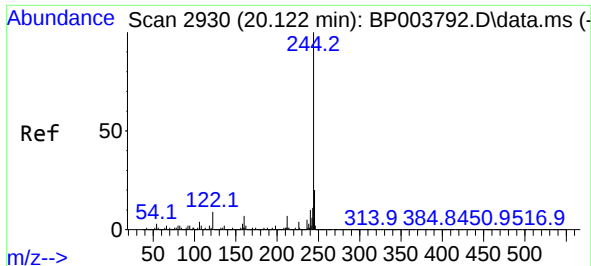
mohammad
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#78
Pyrene
Concen: 152.46 ng
RT: 19.963 min Scan# 2903
Delta R.T. 0.012 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

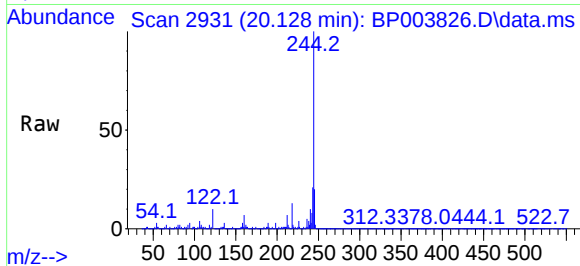
Tgt Ion:202 Resp: 6627606
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.6 14.2 21.2





#79
Terphenyl-d14
Concen: 56.08 ng
RT: 20.128 min Scan# 2931
Delta R.T. 0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

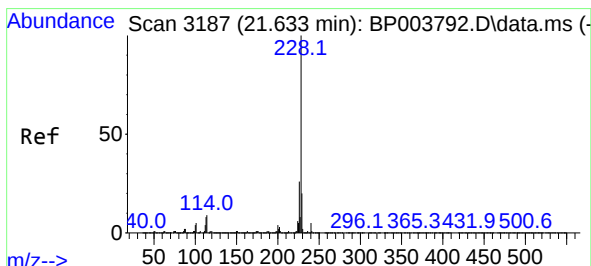
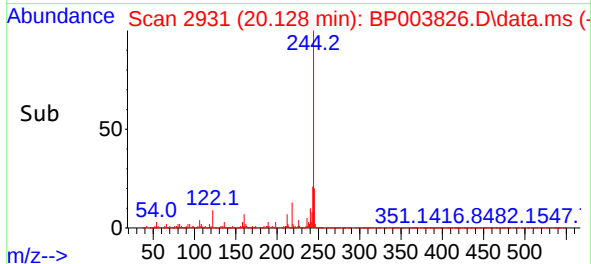
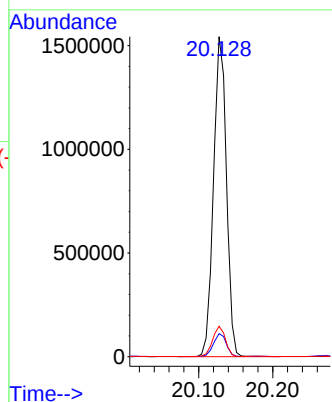
Instrument :
BNA_P
ClientSampled :
B-3



Tgt Ion:244 Resp: 1859376
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 9.5 7.8 11.8

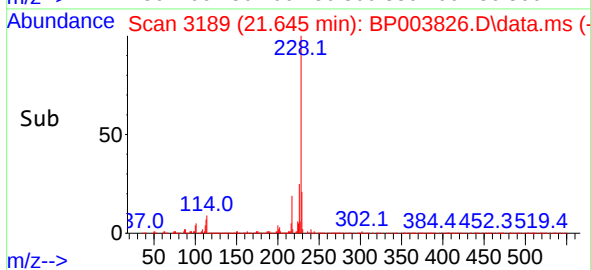
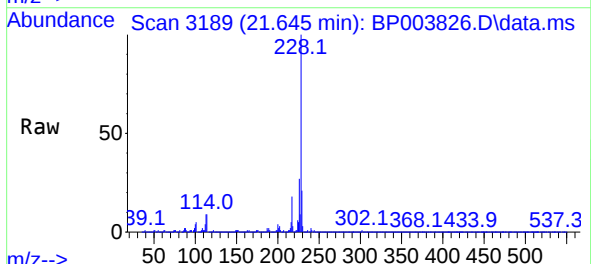
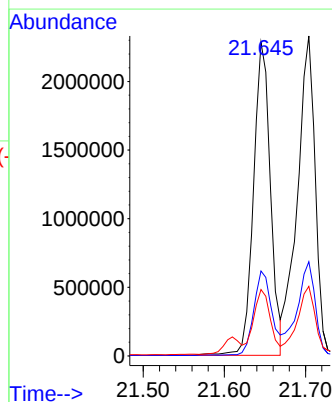
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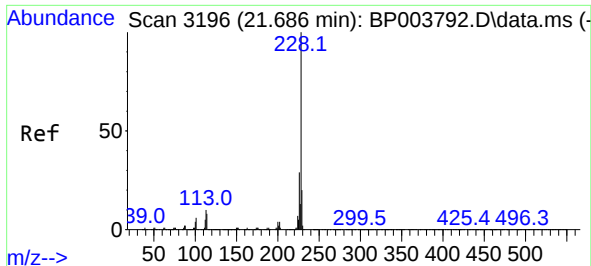
mohammad
11/6/2020 10:32:57 AM



#81
Benzo(a)anthracene
Concen: 78.58 ng
RT: 21.645 min Scan# 3189
Delta R.T. 0.012 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

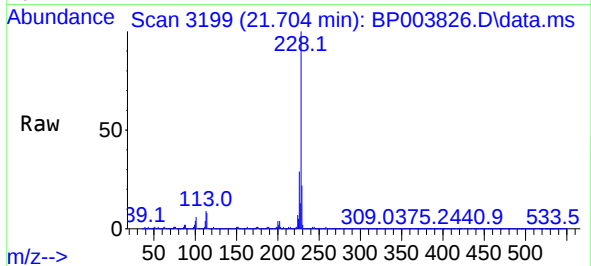
Tgt Ion:228 Resp: 3319318
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 21.2 15.9 23.9





#83
Chrysene
Concen: 87.86 ng
RT: 21.704 min Scan# 3199
Delta R.T. 0.018 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

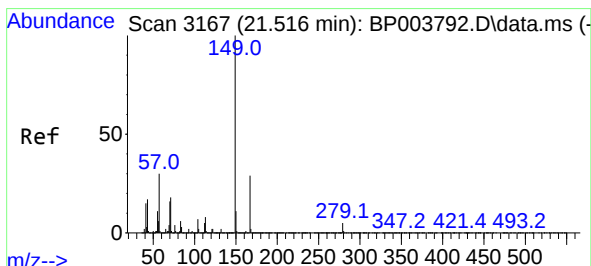
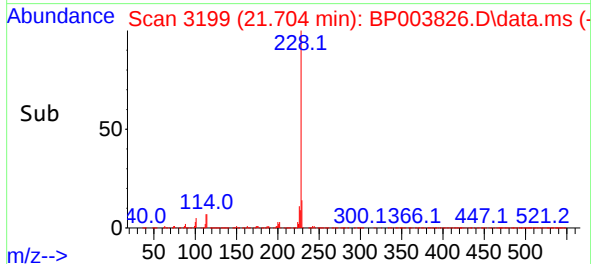
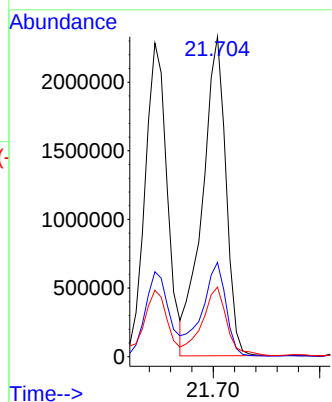
Instrument :
BNA_P
ClientSampled :
B-3



Tgt Ion:228 Resp: 3566110
Ion Ratio Lower Upper
228 100
226 29.4 24.4 36.6
229 21.7 15.8 23.6

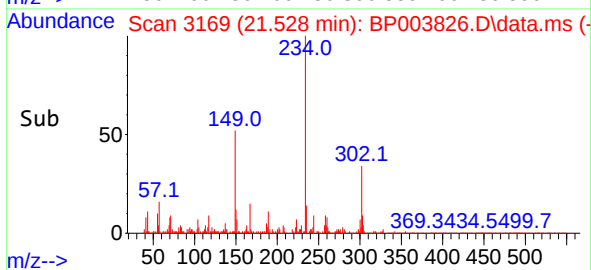
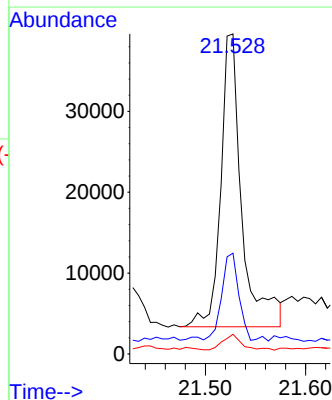
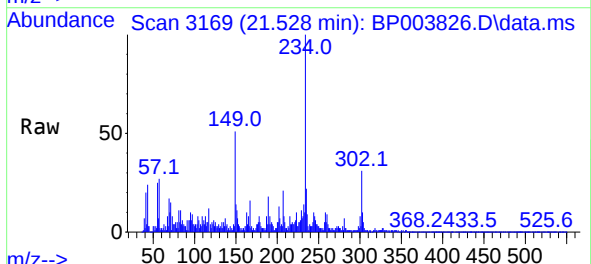
Manual Integrations
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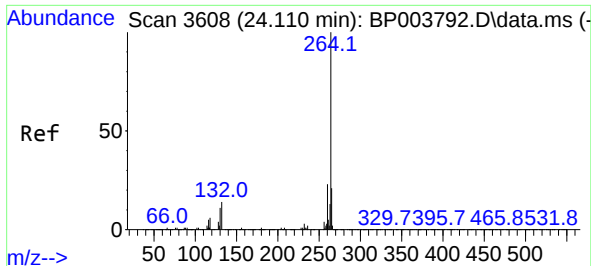
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.21 ng
RT: 21.528 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

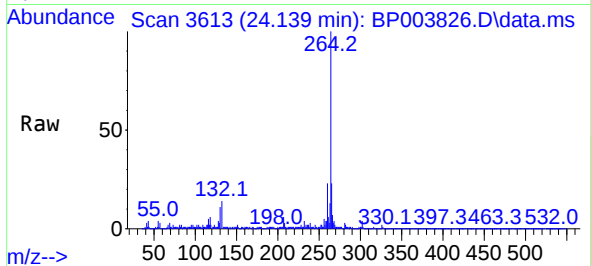
Tgt Ion:149 Resp: 52847
Ion Ratio Lower Upper
149 100
167 31.5 22.6 34.0
279 6.2 4.2 6.2





#86
Perylene-d12
Concen: 20.00 ng
RT: 24.139 min Scan# 3613
Delta R.T. 0.029 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

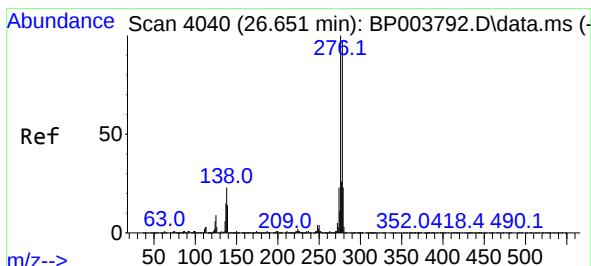
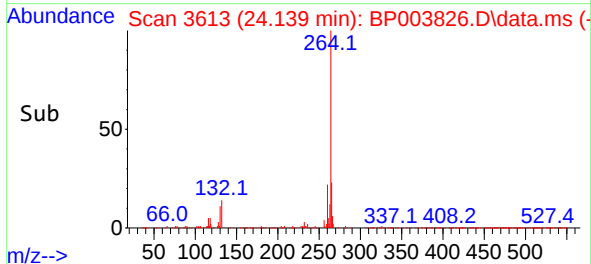
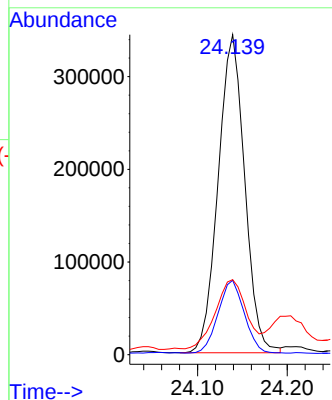
Instrument :
BNA_P
ClientSampled :
B-3



Tgt Ion:264 Resp: 703859
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 23.4 17.4 26.2

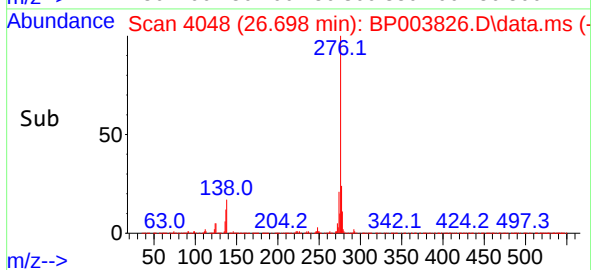
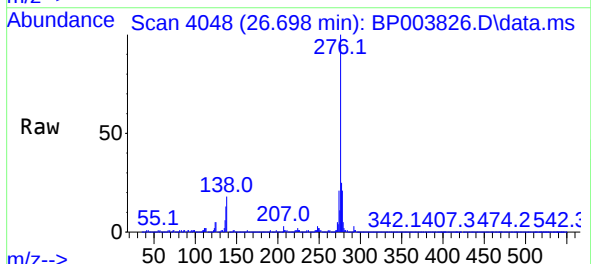
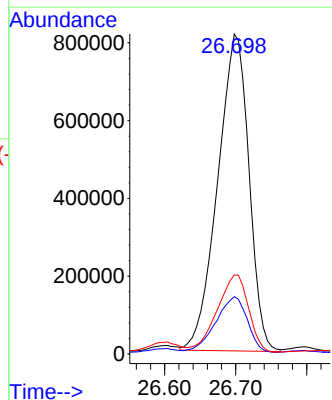
Manual Integrations
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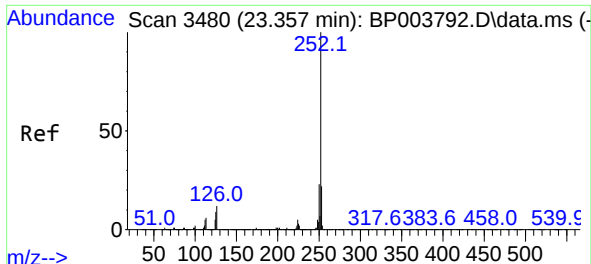
mohammad
11/6/2020 10:32:57 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 49.01 ng
RT: 26.698 min Scan# 4048
Delta R.T. 0.047 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

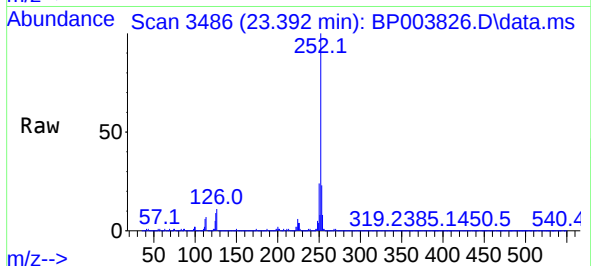
Tgt Ion:276 Resp: 2488682
Ion Ratio Lower Upper
276 100
138 18.3 18.7 28.1#
277 24.6 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 104.48 ng
RT: 23.392 min Scan# 3486
Delta R.T. 0.035 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

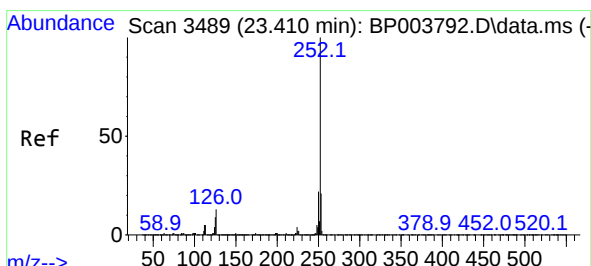
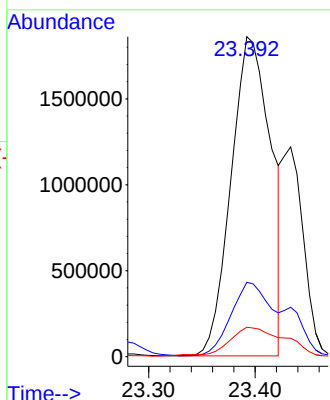
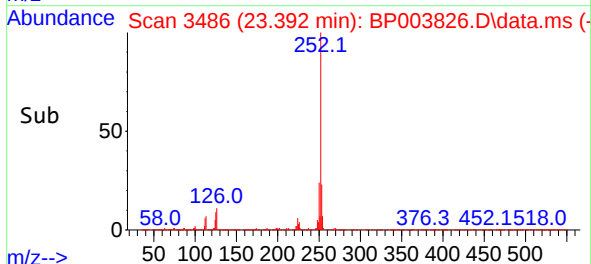
Instrument :
BNA_P
ClientSampled :
B-3



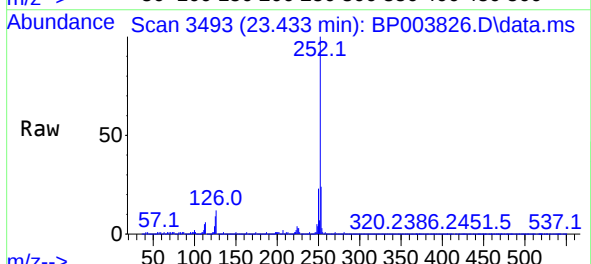
Tgt Ion:252 Resp: 4812307
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 9.2 7.3 10.9

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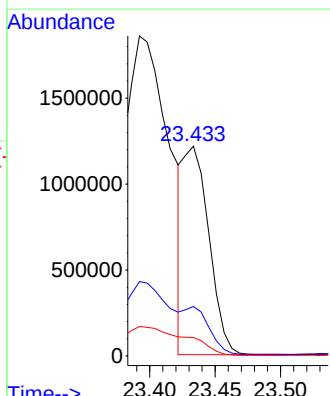
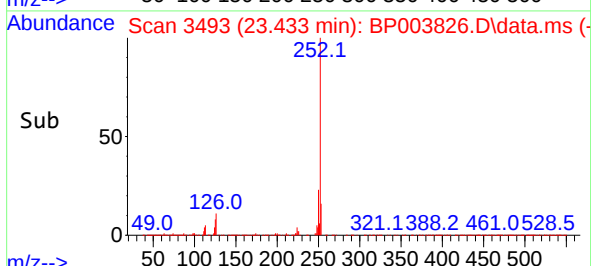
mohammad
11/6/2020 10:32:57 AM

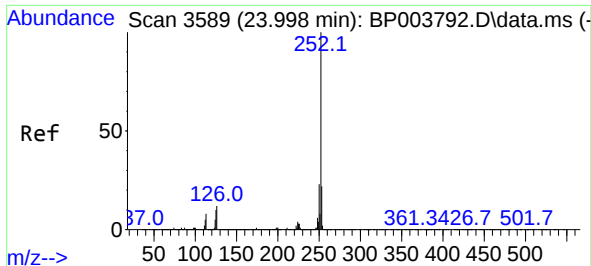


#89
Benzo(k)fluoranthene
Concen: 36.24 ng m
RT: 23.433 min Scan# 3493
Delta R.T. 0.024 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08



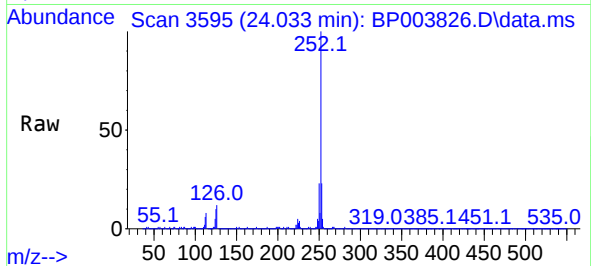
Tgt Ion:252 Resp: 1647980
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 8.8 7.4 11.2





#90
Benzo(a)pyrene
Concen: 77.04 ng
RT: 24.033 min Scan# 3595
Delta R.T. 0.035 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

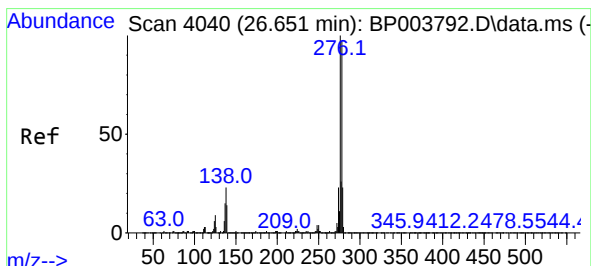
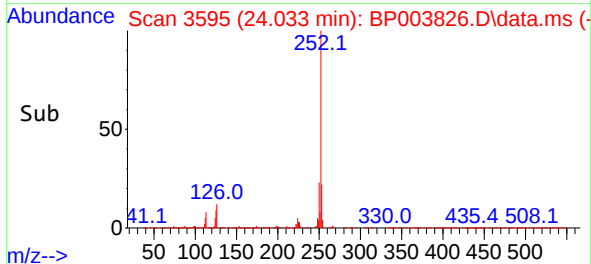
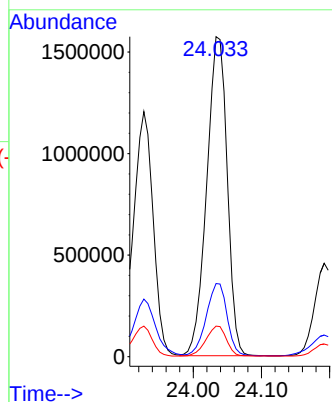
Instrument :
BNA_P
ClientSampled :
B-3



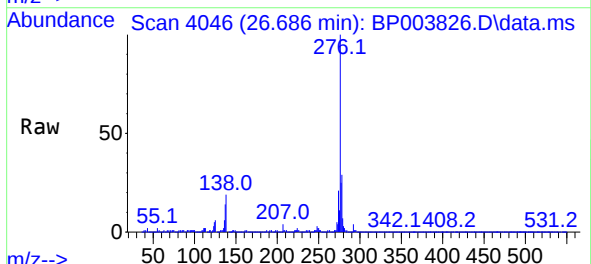
Tgt Ion:252 Resp: 3284969
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 9.6 8.2 12.4

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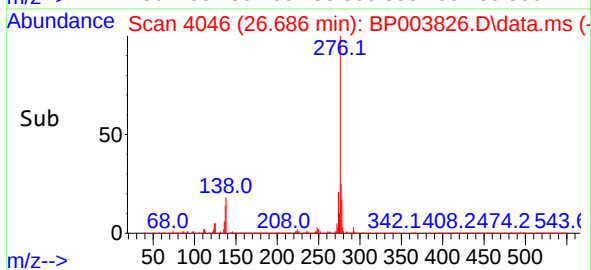
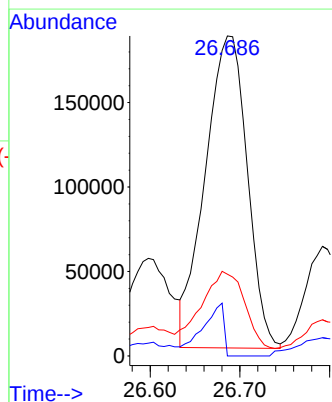
mohammad
11/6/2020 10:32:57 AM

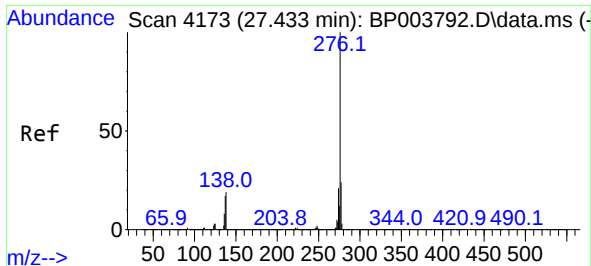


#91
Dibenzo(a,h)anthracene
Concen: 14.22 ng
RT: 26.686 min Scan# 4046
Delta R.T. 0.035 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08



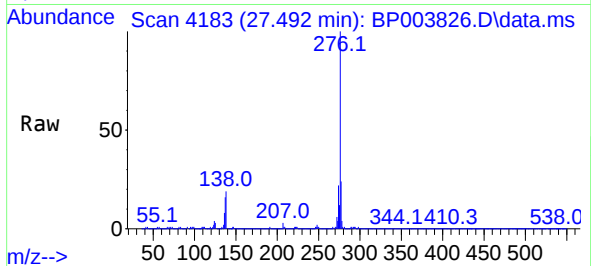
Tgt Ion:278 Resp: 601832
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6#
279 25.5 19.0 28.6





#92
Benzo(g,h,i)perylene
Concen: 61.48 ng
RT: 27.492 min Scan# 4183
Delta R.T. 0.059 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Instrument :
BNA_P
ClientSampleId :
B-3



Tgt Ion: 276 Resp: 2518820
Ion Ratio Lower Upper
276 100
277 24.4 19.0 28.6
138 18.6 16.6 24.8

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11/6/2020 10:32:57 AM

