

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120320\
 Data File : BP004144.D
 Acq On : 03 Dec 2020 23:41
 Operator : CG/JU
 Sample : L4935-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-12220

Manual Integrations
 APPROVED

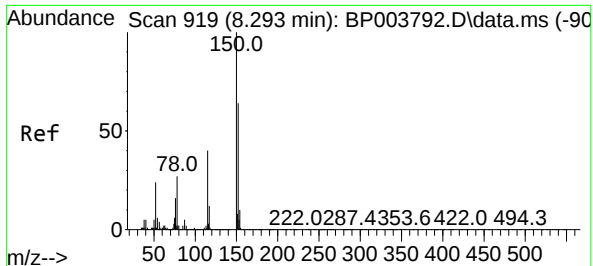
mohammad
 12/7/2020 8:54:01 AM

Quant Time: Dec 04 00:15:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 11:39:42 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.199	152	135764	20.00	ng	0.00
21) Naphthalene-d8	11.022	136	479170	20.00	ng	# 0.00
39) Acenaphthene-d10	14.822	164	279291	20.00	ng	0.00
64) Phenanthrene-d10	17.563	188	589369	20.00	ng	# 0.00
76) Chrysene-d12	21.604	240	559811	20.00	ng	0.00
86) Perylene-d12	24.045	264	602029	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.740	112	134064	16.48	ng	0.00
7) Phenol-d6	7.381	99	161763	13.85	ng	0.00
23) Nitrobenzene-d5	9.357	82	97633	9.98	ng	0.00
42) 2,4,6-Tribromophenol	16.310	330	49701	14.23	ng	0.00
45) 2-Fluorobiphenyl	13.445	172	202079	10.12	ng	0.00
79) Terphenyl-d14	20.063	244	267929	9.25	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.887	154	62905	3.62	ng	100
55) Dibenzofuran	15.216	168	53092	2.05	ng	97
58) Fluorene	15.863	166	85623	4.14	ng	100
71) Phenanthrene	17.604	178	599445	18.12	ng	99
72) Anthracene	17.692	178	210430	6.59	ng	98
75) Fluoranthene	19.545	202	922189	24.16	ng	99
78) Pyrene	19.892	202	849766	22.37	ng	99
81) Benzo(a)anthracene	21.586	228	397816	10.78	ng	98
83) Chrysene	21.639	228	359915	10.15	ng	96
87) Indeno(1,2,3-cd)pyrene	26.562	276	217817	5.02	ng	96
88) Benzo(b)fluoranthene	23.304	252	437787m	11.11	ng	
89) Benzo(k)fluoranthene	23.345	252	148481m	3.82	ng	
90) Benzo(a)pyrene	23.939	252	360662	9.89	ng	97
92) Benzo(g,h,i)perylene	27.345	276	222766	6.36	ng	98

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



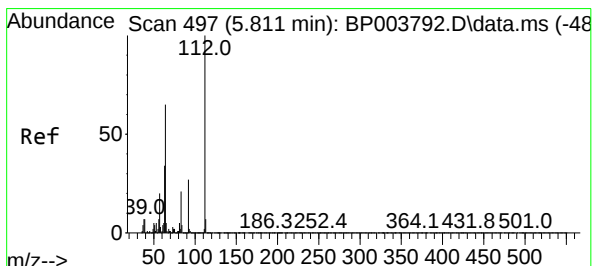
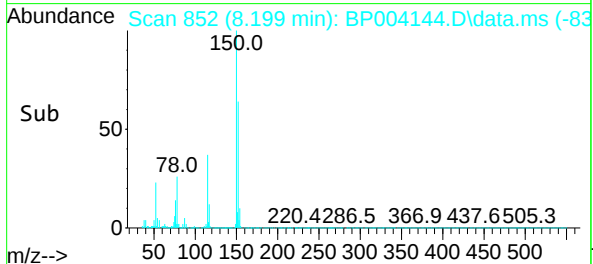
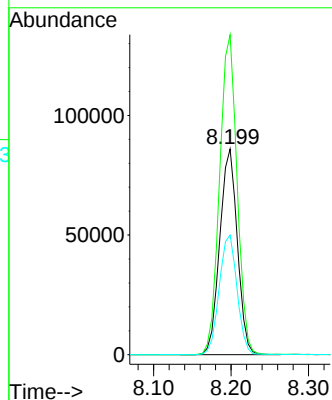
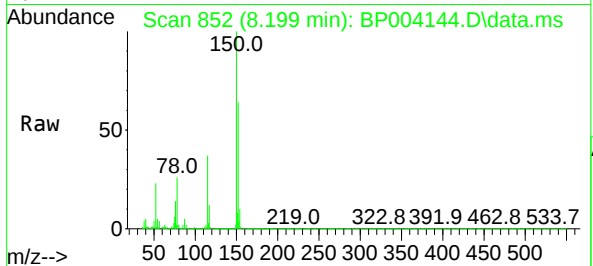
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.199 min Scan# 852
Delta R.T. 0.006 min
Lab File: BP004144.D
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Tgt Ion:152 Resp: 135764
Ion Ratio Lower Upper
152 100
150 155.5 123.8 185.6
115 58.2 43.8 65.6

Instrument :
BNA_P
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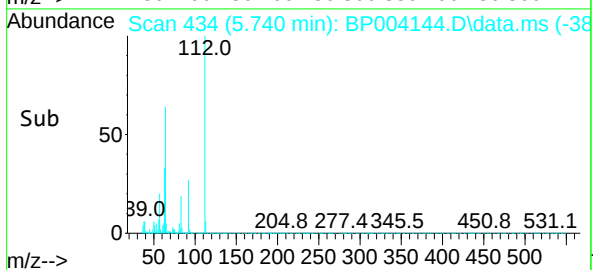
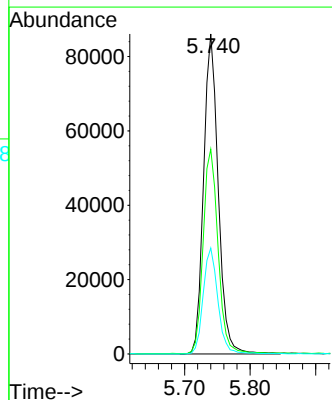
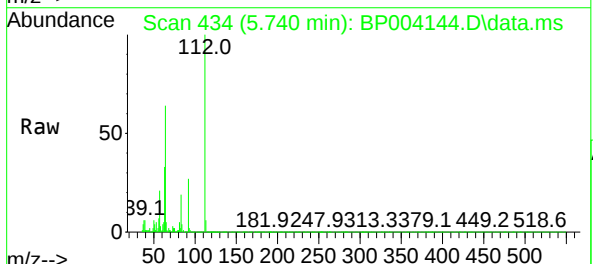
Manual Integrations
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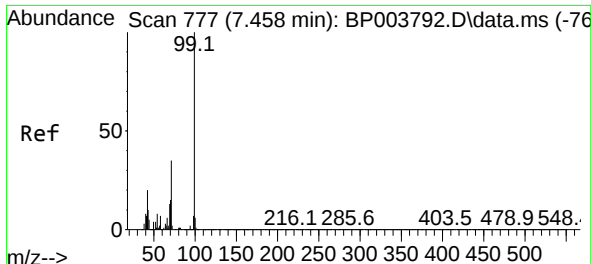
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#5
2-Fluorophenol
Concen: 16.48 ng
RT: 5.740 min Scan# 434
Delta R.T. 0.006 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

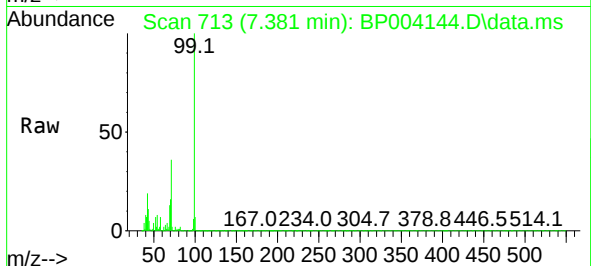
Tgt Ion:112 Resp: 134064
Ion Ratio Lower Upper
112 100
64 64.0 32.8 49.2#
63 33.1 17.0 25.4#





#7
Phenol-d6
Concen: 13.85 ng
RT: 7.381 min Scan# 713
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

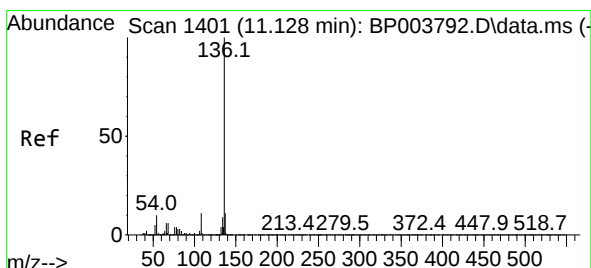
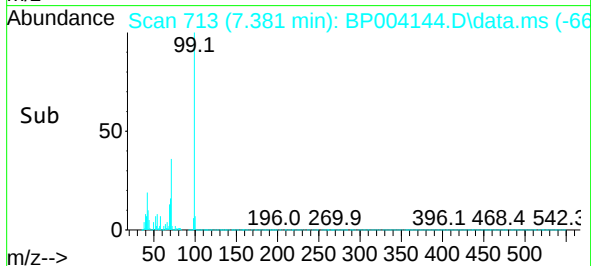
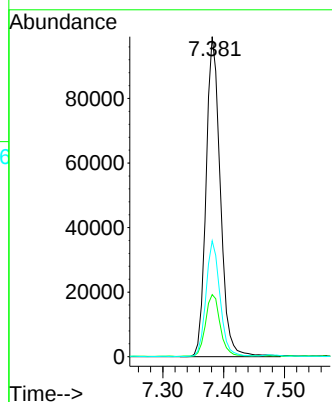
Instrument :
BNA_P
ClientSampleId :
OK-02-12220



Tgt Ion: 99 Resp: 161763
Ion Ratio Lower Upper
99 100
42 19.4 8.6 13.0#
71 36.2 23.4 35.2#

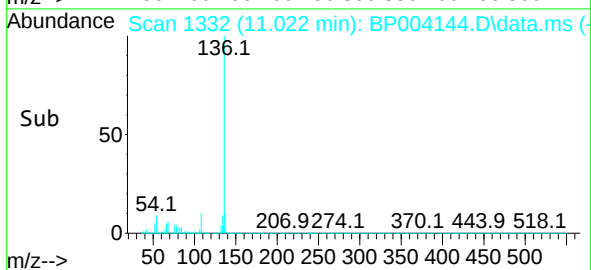
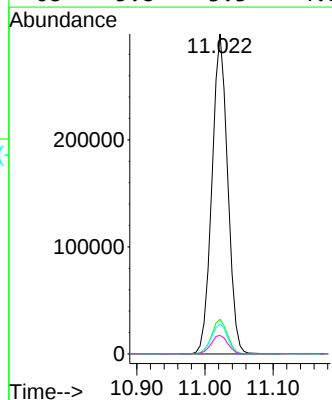
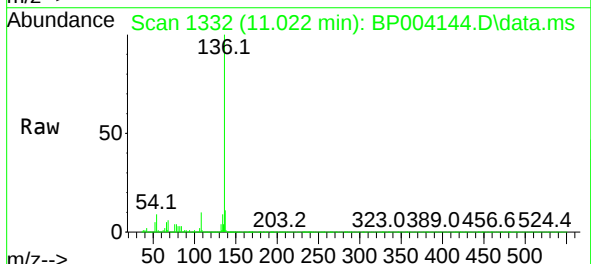
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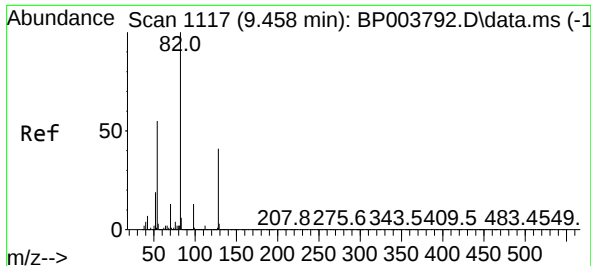
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.022 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

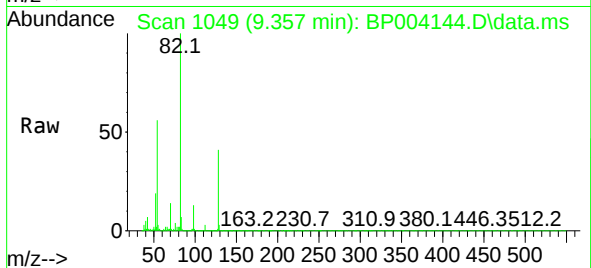
Tgt Ion: 136 Resp: 479170
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.4 3.6 5.4#
68 5.8 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 9.98 ng
RT: 9.357 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

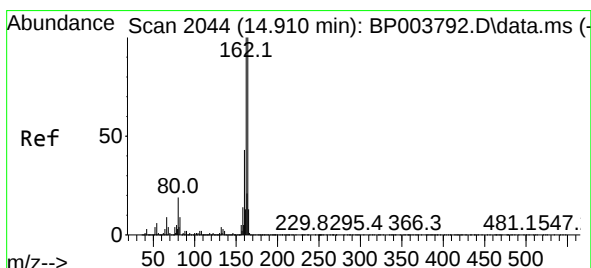
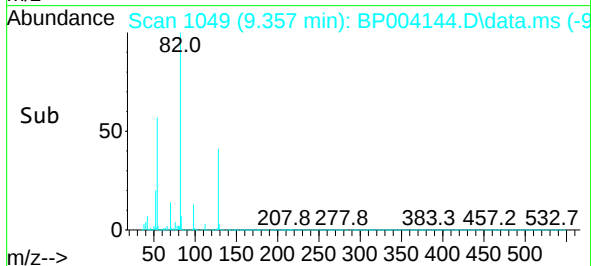
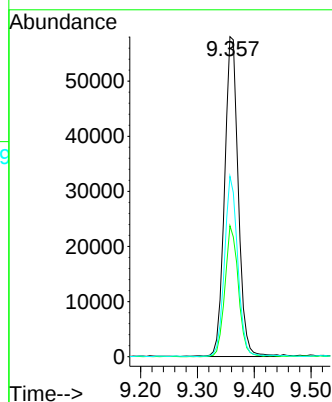
Instrument :
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ClientSampleId :
OK-02-12220



Tgt Ion: 82 Resp: 97633
Ion Ratio Lower Upper
82 100
128 40.9 45.6 68.4#
54 56.3 30.1 45.1#

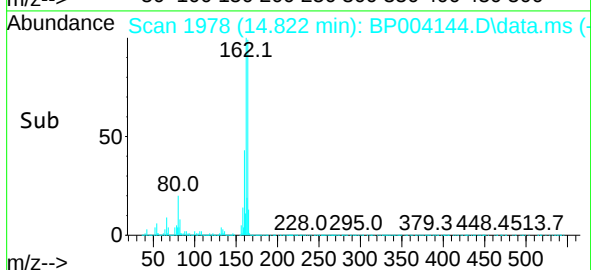
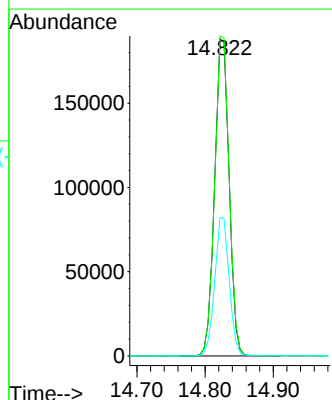
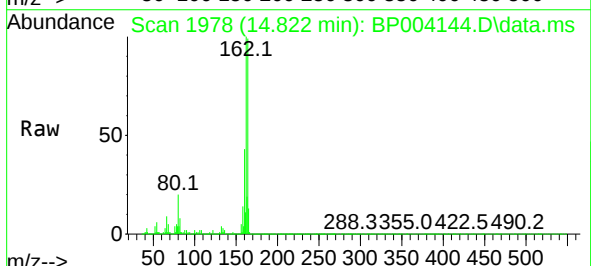
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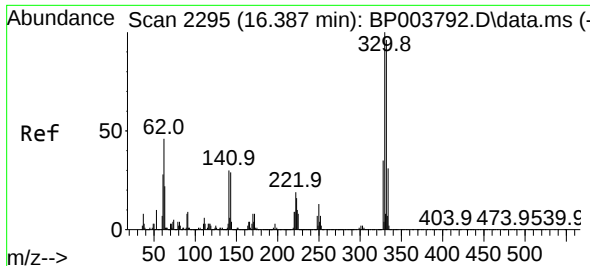
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.822 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

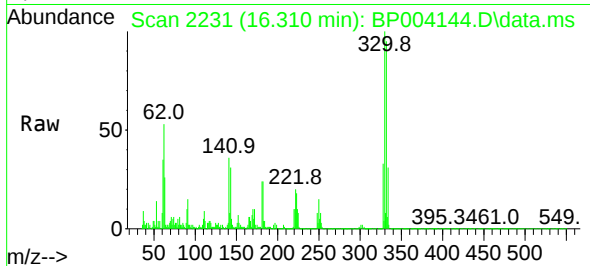
Tgt Ion: 164 Resp: 279291
Ion Ratio Lower Upper
164 100
162 100.9 79.4 119.2
160 43.7 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 14.23 ng
RT: 16.310 min Scan# 2231
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

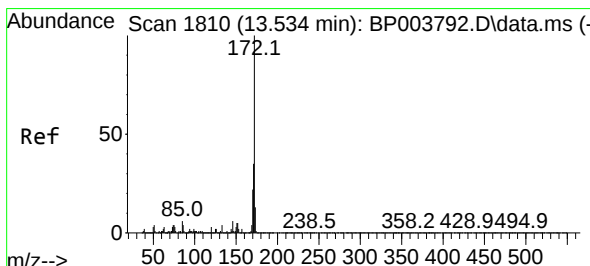
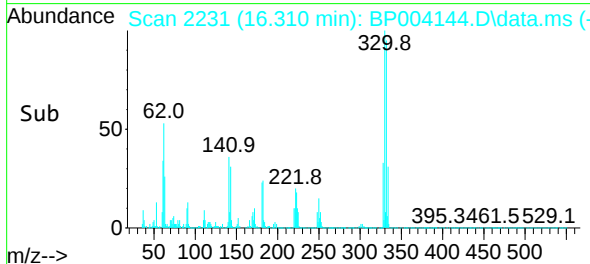
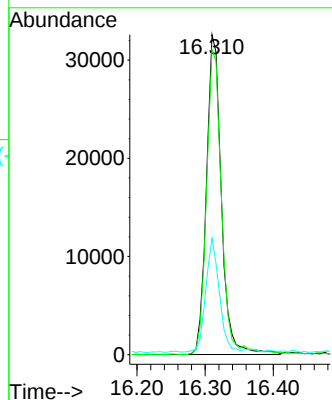
Instrument :
BNA_P
ClientSampleId :
OK-02-12220



Tgt Ion: 330 Resp: 49701
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 32.0 23.4 35.2

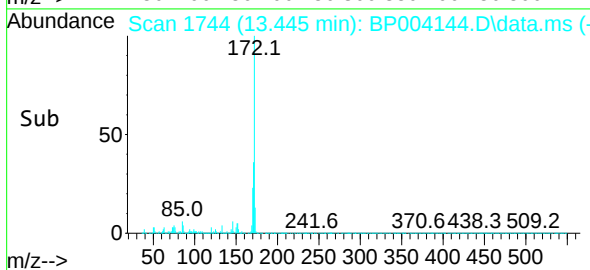
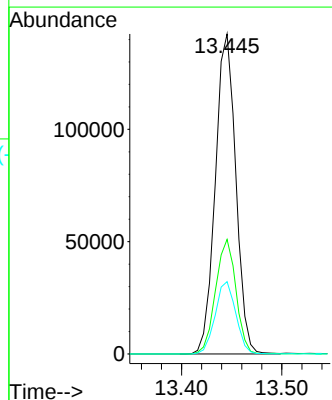
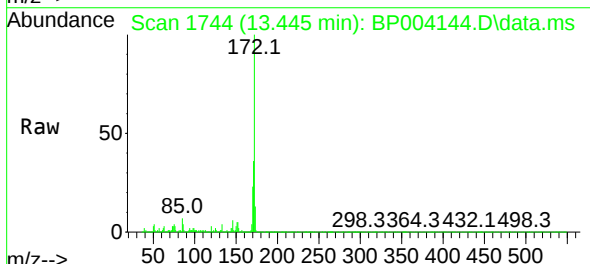
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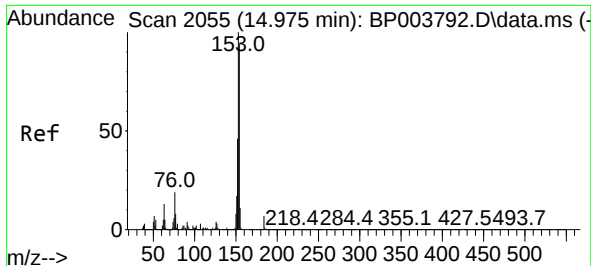
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#45
2-Fluorobiphenyl
Concen: 10.12 ng
RT: 13.445 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

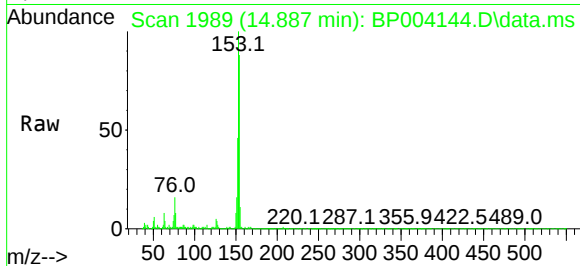
Tgt Ion: 172 Resp: 202079
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 22.6 19.2 28.8





#52
Acenaphthene
Concen: 3.62 ng
RT: 14.887 min Scan# 1989
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

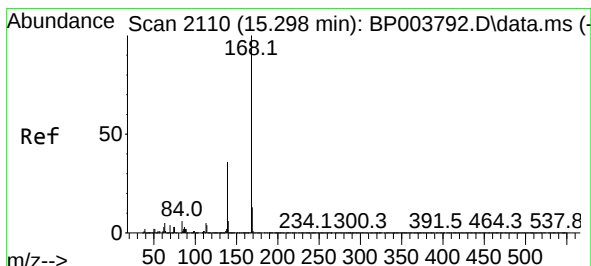
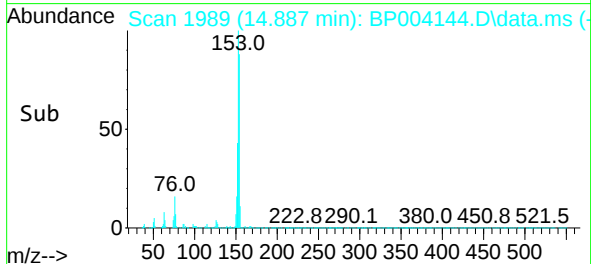
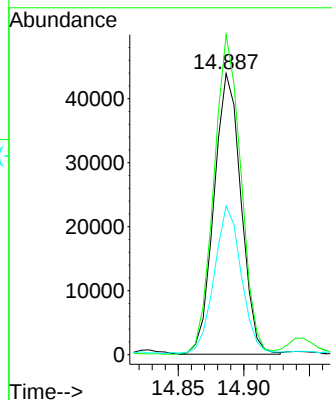
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ClientSampleId :
OK-02-12220



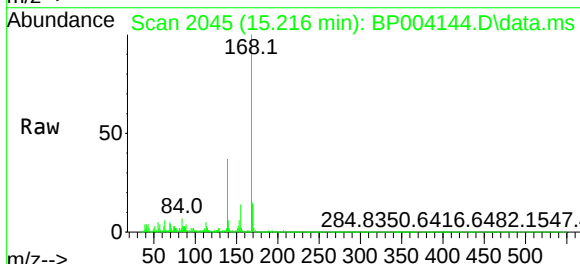
Tgt Ion:154 Resp: 62905
Ion Ratio Lower Upper
154 100
153 113.8 91.0 136.6
152 52.9 43.0 64.6

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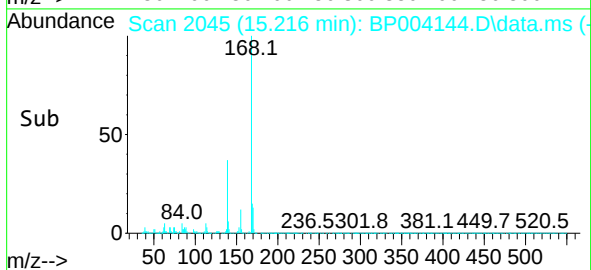
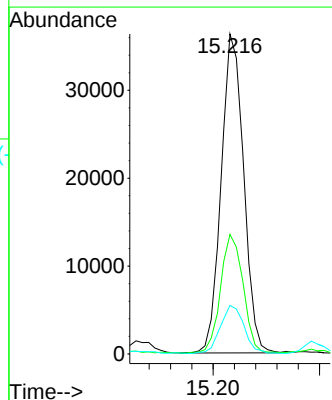
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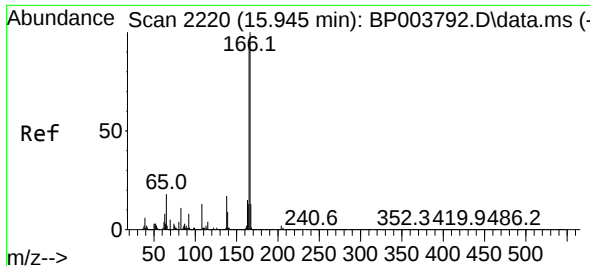


#55
Dibenzofuran
Concen: 2.05 ng
RT: 15.216 min Scan# 2045
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41



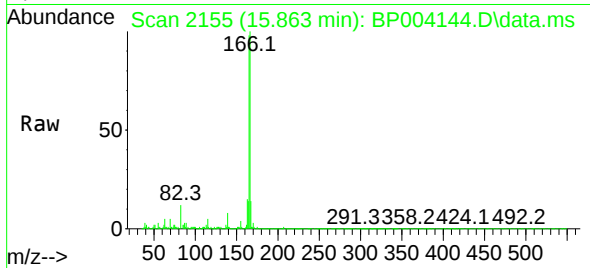
Tgt Ion:168 Resp: 53092
Ion Ratio Lower Upper
168 100
139 37.4 29.1 43.7
169 15.2 10.4 15.6





#58
Fluorene
Concen: 4.14 ng
RT: 15.863 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

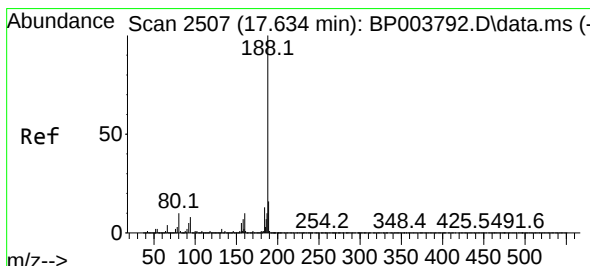
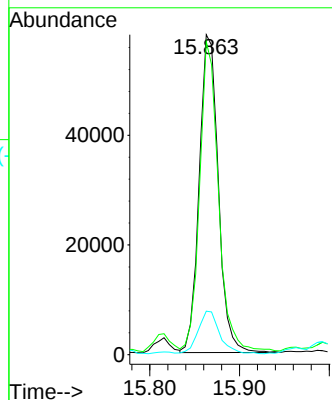
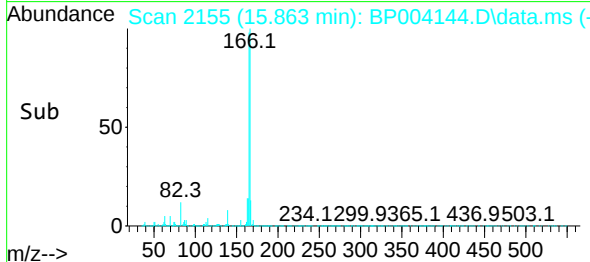
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ClientSampleId :
OK-02-12220



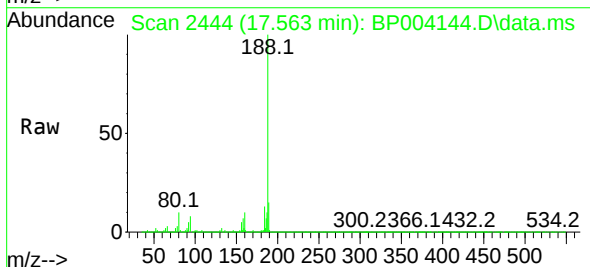
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Ion Ratio Lower Upper
166 100
165 97.8 77.8 116.8
167 13.6 11.0 16.4

Manual Integrations
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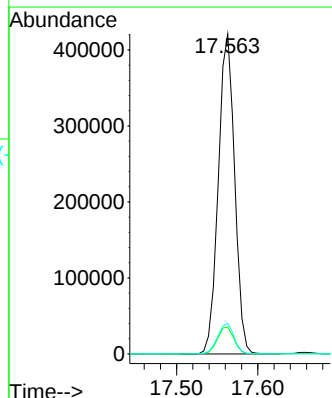
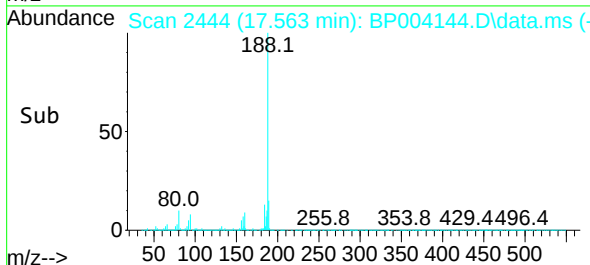
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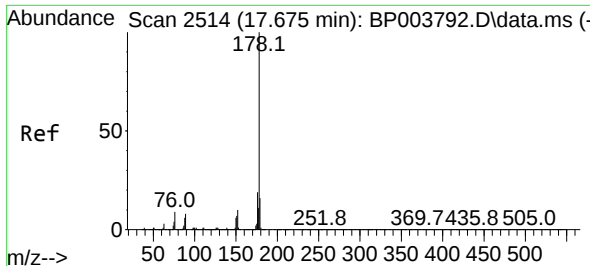


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.563 min Scan# 2444
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41



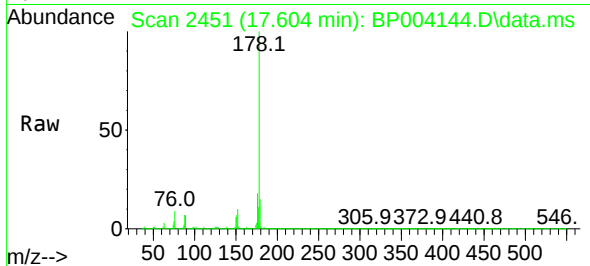
Tgt Ion:188 Resp: 589369
Ion Ratio Lower Upper
188 100
94 8.4 6.2 9.2
80 9.5 6.2 9.2#





#71
Phenanthrene
Concen: 18.12 ng
RT: 17.604 min Scan# 2451
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

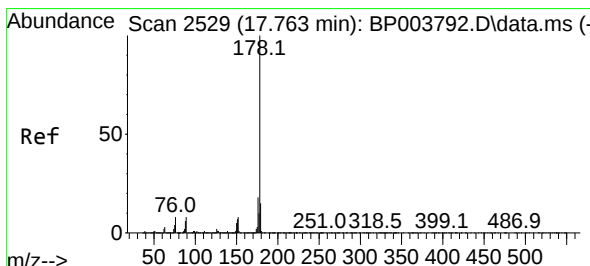
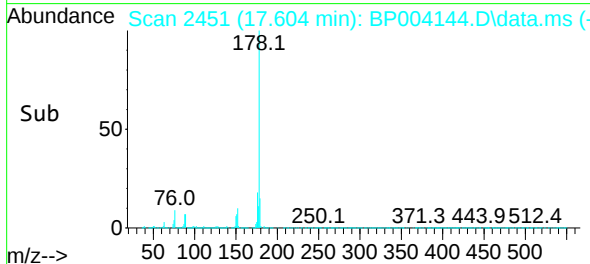
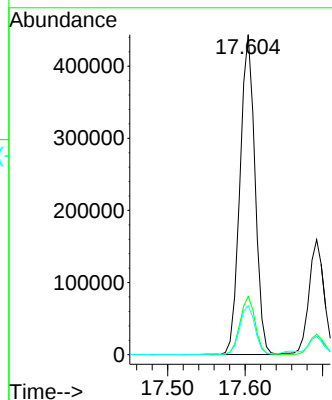
Instrument :
BNA_P
ClientSampleId :
OK-02-12220



Tgt Ion:178 Resp: 599445
Ion Ratio Lower Upper
178 100
176 18.2 15.3 22.9
179 15.3 12.5 18.7

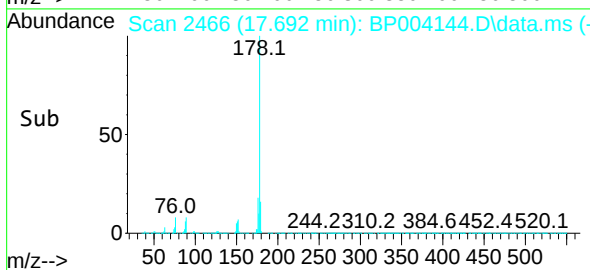
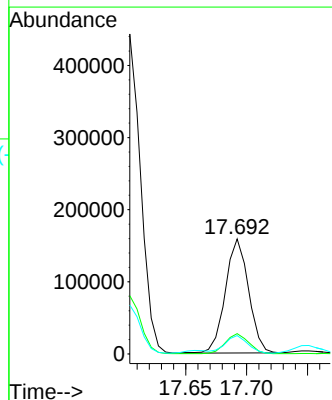
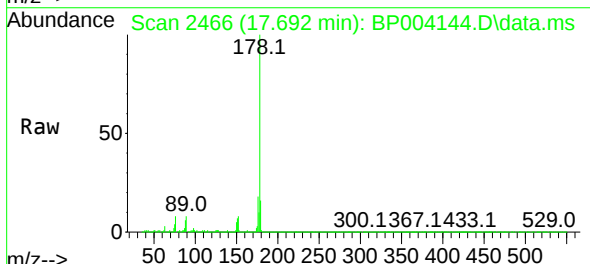
Manual Integrations
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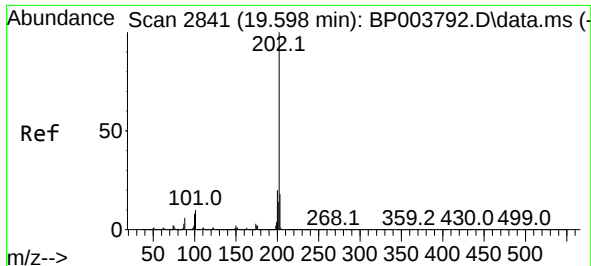
mohammad
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#72
Anthracene
Concen: 6.59 ng
RT: 17.692 min Scan# 2466
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

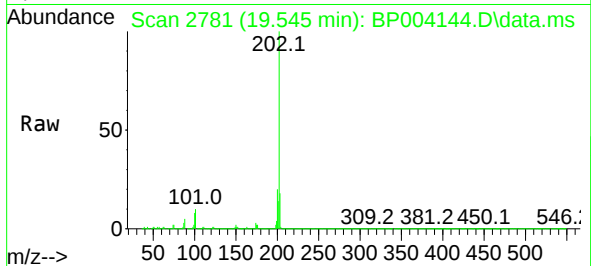
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Ion Ratio Lower Upper
178 100
176 17.7 15.0 22.4
179 16.0 12.5 18.7





#75
Fluoranthene
Concen: 24.16 ng
RT: 19.545 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

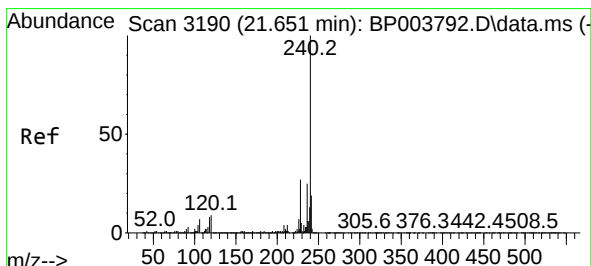
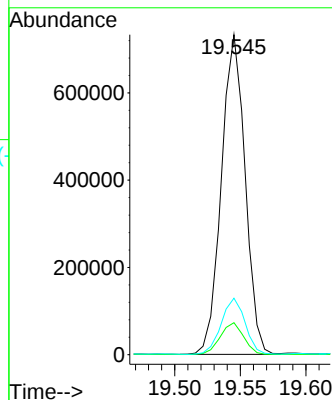
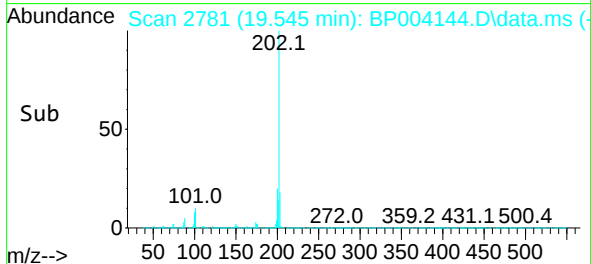
Instrument :
BNA_P
ClientSampleId :
OK-02-12220



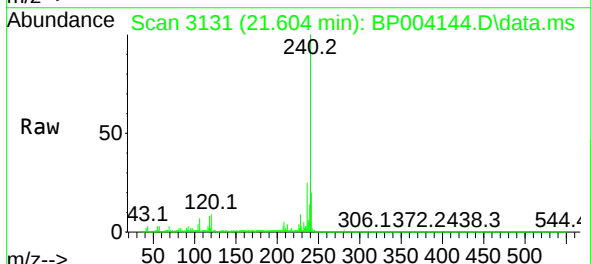
Tgt Ion:202 Resp: 922189
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.4
203 17.6 0.0 37.8

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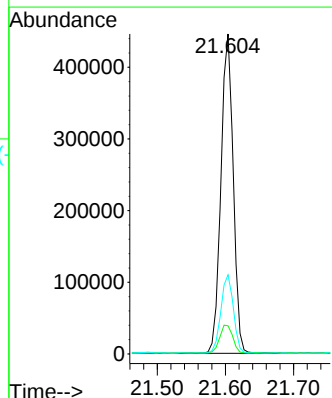
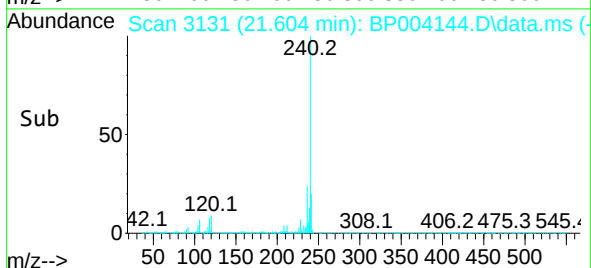
mohammad
12/7/2020 8:54:01 AM

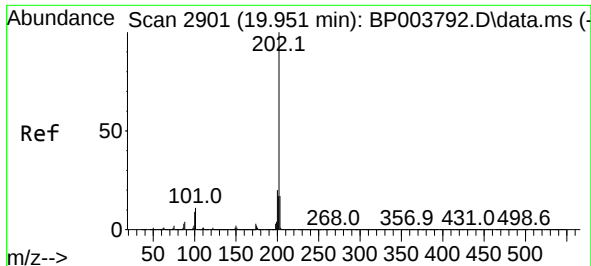


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.604 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41



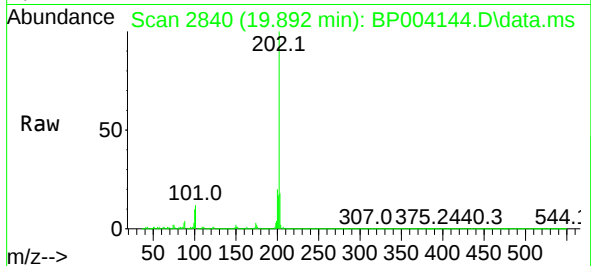
Tgt Ion:240 Resp: 559811
Ion Ratio Lower Upper
240 100
120 8.8 7.8 11.6
236 24.7 20.8 31.2





#78
Pyrene
Concen: 22.37 ng
RT: 19.892 min Scan# 2840
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

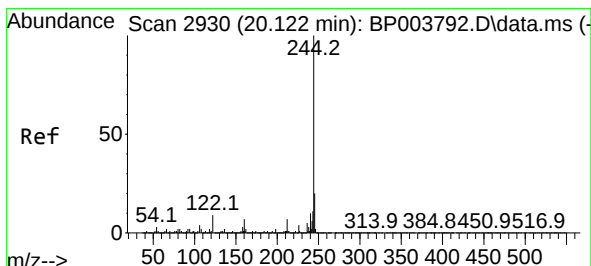
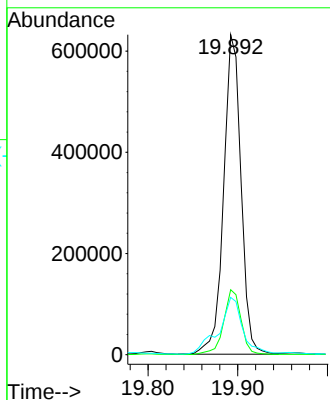
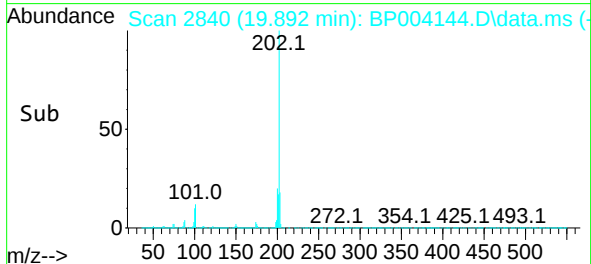
Instrument :
BNA_P
ClientSampleId :
OK-02-12220



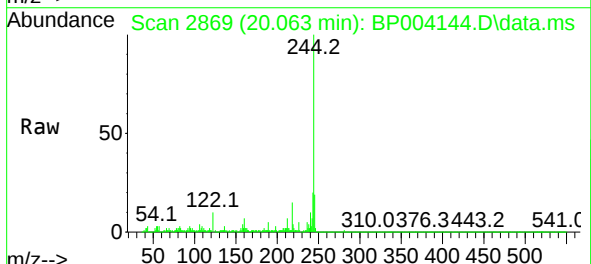
Tgt Ion:202 Resp: 849766
Ion Ratio Lower Upper
202 100
200 20.3 17.1 25.7
203 17.9 14.2 21.2

Manual Integrations
APPROVED

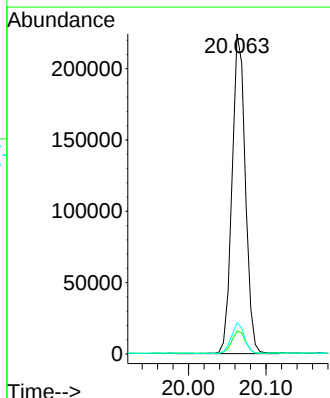
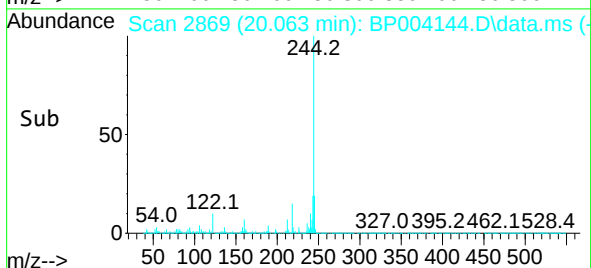
mohammad
12/7/2020 8:54:01 AM

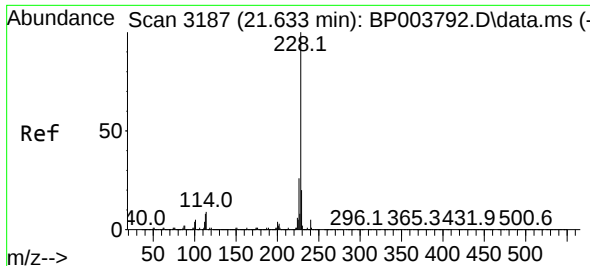


#79
Terphenyl-d14
Concen: 9.25 ng
RT: 20.063 min Scan# 2869
Delta R.T. -0.006 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41



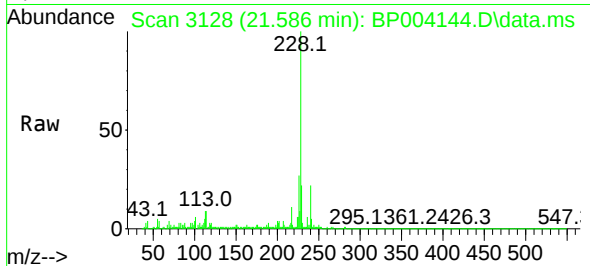
Tgt Ion:244 Resp: 267929
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 9.7 7.8 11.8





#81
Benzo(a)anthracene
Concen: 10.78 ng
RT: 21.586 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

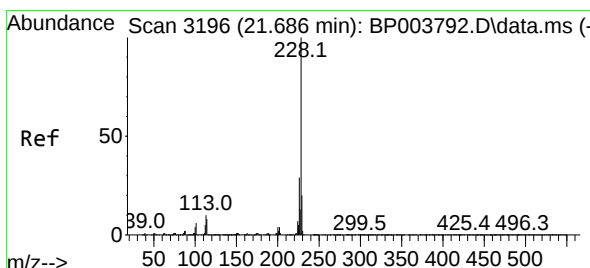
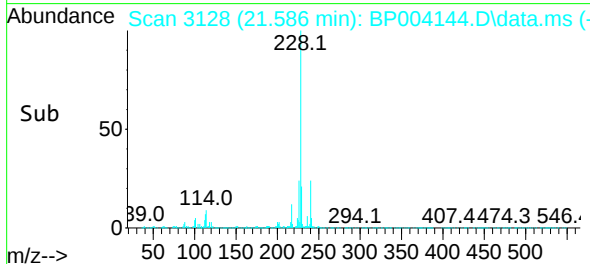
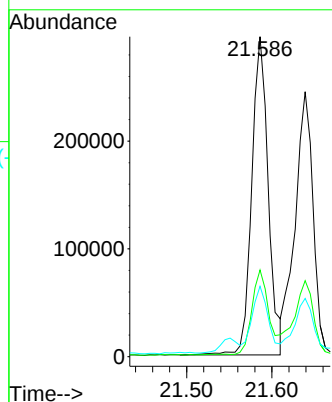
Instrument :
BNA_P
ClientSampled :
OK-02-12220



Tgt Ion:228 Resp: 397816
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 22.0 15.9 23.9

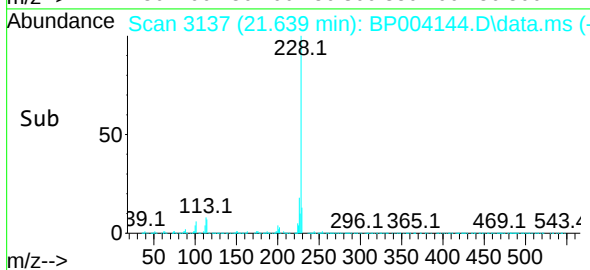
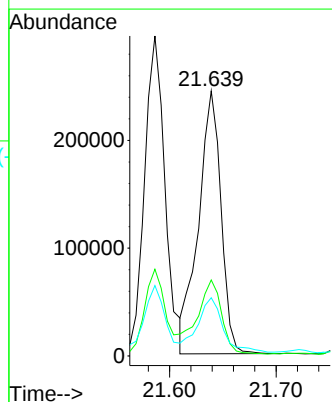
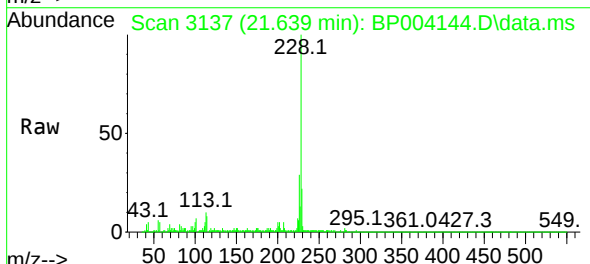
Manual Integrations
APPROVED

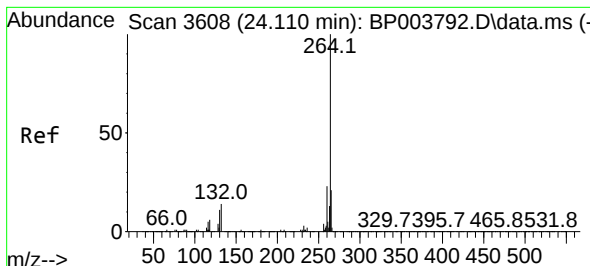
mohammad
12/7/2020 8:54:01 AM



#83
Chrysene
Concen: 10.15 ng
RT: 21.639 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

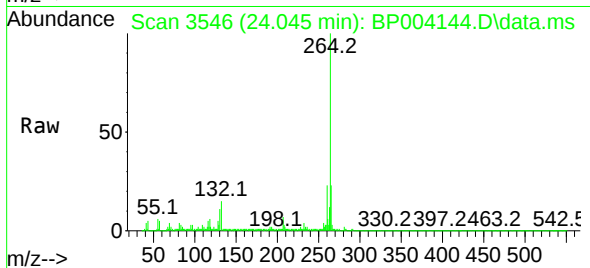
Tgt Ion:228 Resp: 359915
Ion Ratio Lower Upper
228 100
226 28.7 24.4 36.6
229 22.0 15.8 23.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 24.045 min Scan# 3546
Delta R.T. 0.006 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

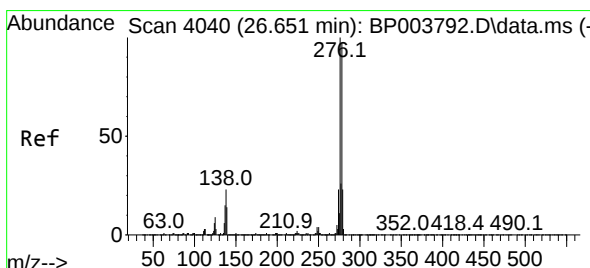
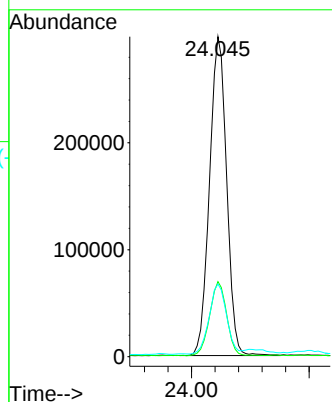
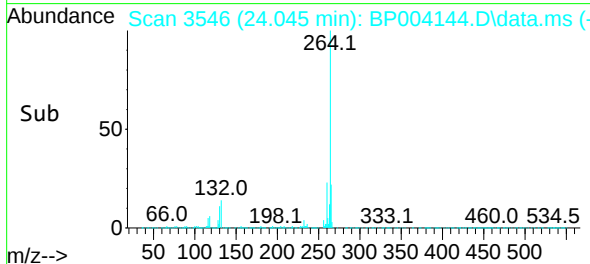
Instrument :
BNA_P
ClientSampleId :
OK-02-12220



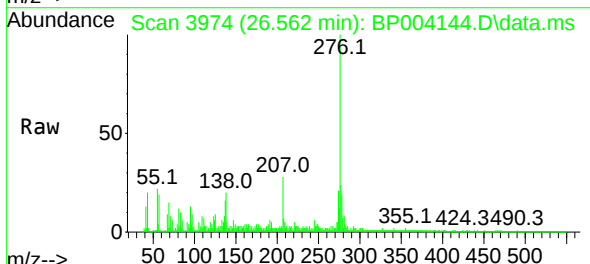
Tgt Ion:264 Resp: 602029
Ion Ratio Lower Upper
264 100
260 23.4 18.8 28.2
265 22.7 17.4 26.2

Manual Integrations
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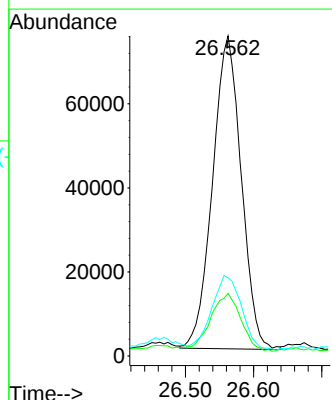
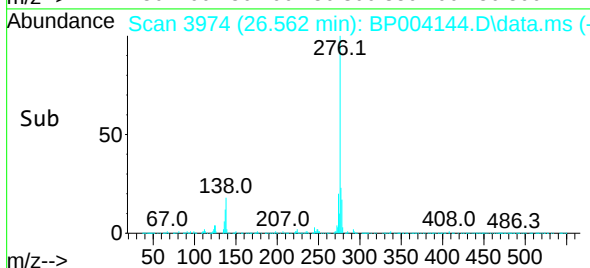
mohammad
12/7/2020 8:54:01 AM

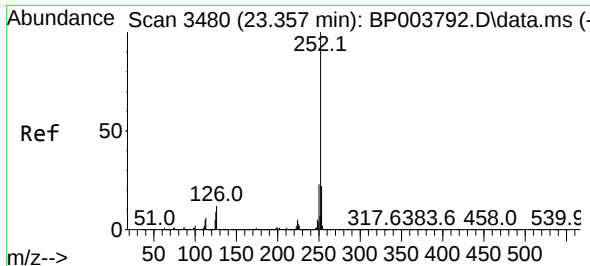


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.02 ng
RT: 26.562 min Scan# 3974
Delta R.T. 0.006 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41



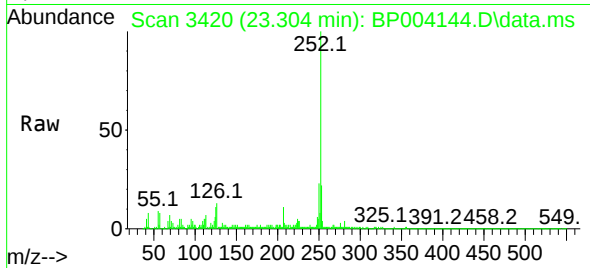
Tgt Ion:276 Resp: 217817
Ion Ratio Lower Upper
276 100
138 19.6 18.7 28.1
277 25.0 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 11.11 ng m
RT: 23.304 min Scan# 3420
Delta R.T. 0.006 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

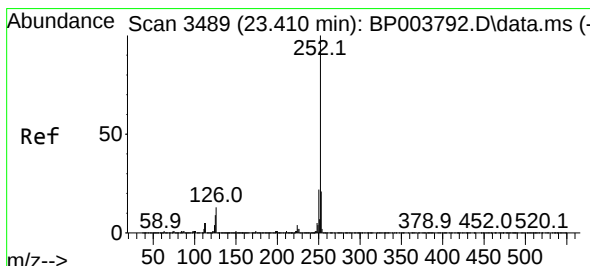
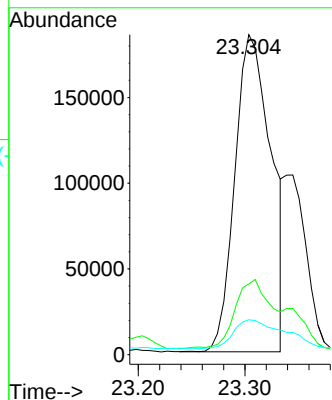
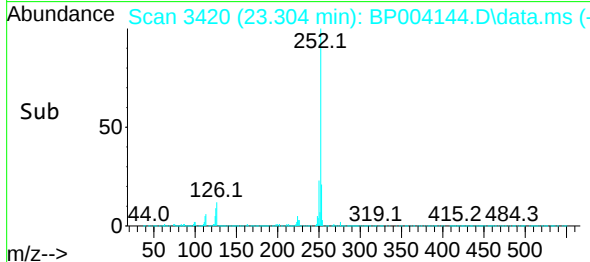
Instrument :
BNA_P
ClientSampleId :
OK-02-12220



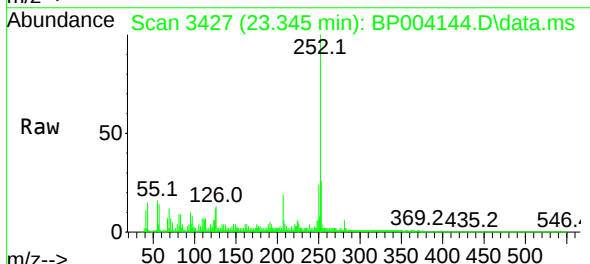
Tgt Ion:252 Resp: 437787
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 10.9 7.3 10.9

Manual Integrations
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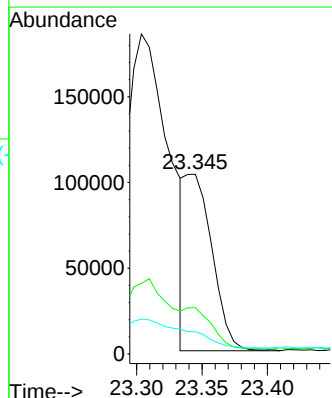
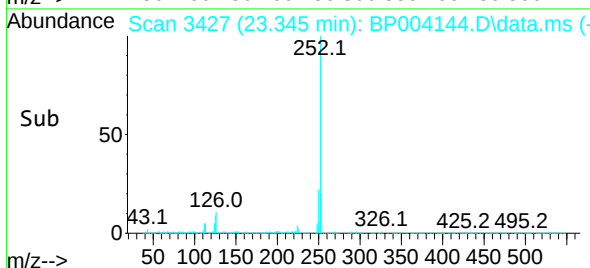
mohammad
12/7/2020 8:54:01 AM

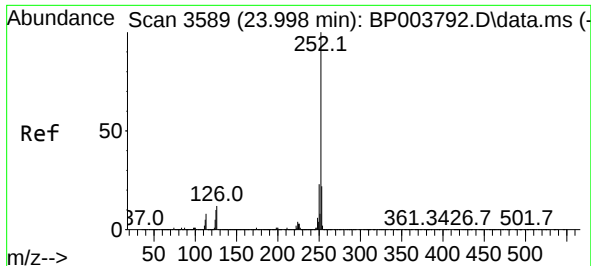


#89
Benzo(k)fluoranthene
Concen: 3.82 ng m
RT: 23.345 min Scan# 3427
Delta R.T. -0.000 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41



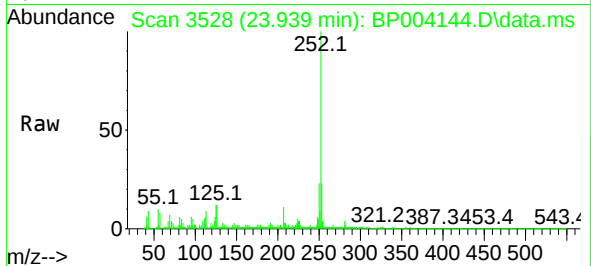
Tgt Ion:252 Resp: 148481
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.8
125 12.4 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 9.89 ng
RT: 23.939 min Scan# 3528
Delta R.T. 0.006 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41

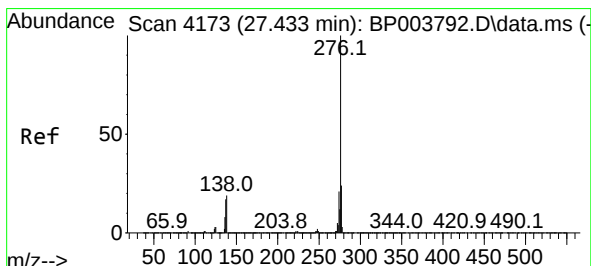
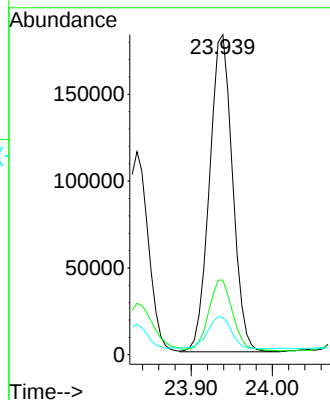
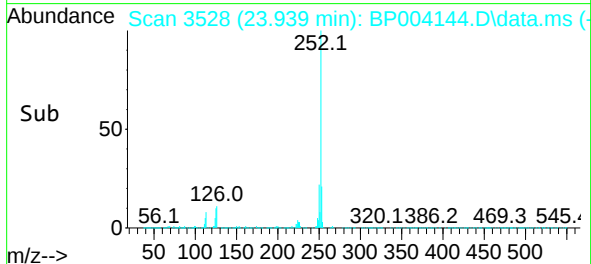
Instrument :
BNA_P
ClientSampleId :
OK-02-12220



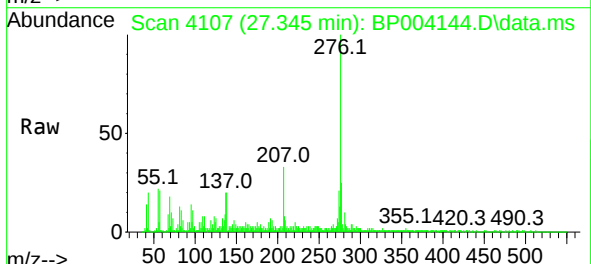
Tgt Ion:252 Resp: 360662
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 11.6 8.2 12.4

Manual Integrations
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12/7/2020 8:54:01 AM



#92
Benzo(g,h,i)perylene
Concen: 6.36 ng
RT: 27.345 min Scan# 4107
Delta R.T. 0.012 min
Lab File: BP004144.D
Acq: 03 Dec 2020 23:41



Tgt Ion:276 Resp: 222766
Ion Ratio Lower Upper
276 100
277 25.3 19.0 28.6
138 20.0 16.6 24.8

