

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110920\
 Data File : BP003877.D
 Acq On : 09 Nov 2020 20:13
 Operator : CG/JU
 Sample : L4589-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-110620

Manual Integrations
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mohammad
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Quant Time: Nov 10 00:23:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 11:33:14 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.305	152	267037	20.00	ng	0.00
21) Naphthalene-d8	11.140	136	995767	20.00	ng	# 0.00
39) Acenaphthene-d10	14.922	164	545226	20.00	ng	0.00
64) Phenanthrene-d10	17.651	188	933018	20.00	ng	0.00
76) Chrysene-d12	21.686	240	757595	20.00	ng	0.02
86) Perylene-d12	24.168	264	855579	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.822	112	479303	29.96	ng	0.00
7) Phenol-d6	7.469	99	608905	26.51	ng	0.00
23) Nitrobenzene-d5	9.463	82	361312	17.77	ng	0.00
42) 2,4,6-Tribromophenol	16.398	330	177361	26.01	ng	0.00
45) 2-Fluorobiphenyl	13.546	172	810271	20.78	ng	0.00
79) Terphenyl-d14	20.145	244	719640	18.35	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	11.187	128	437625	8.19	ng	100
37) 2-Methylnaphthalene	12.769	142	202402	5.29	ng	94
38) 1-Methylnaphthalene	12.987	142	130357	3.57	ng	97
49) Acenaphthylene	14.645	152	463477	9.09	ng	99
50) Dimethylphthalate	14.345	163	86433	2.03	ng	100
52) Acenaphthene	14.981	154	246666	7.26	ng	99
55) Dibenzofuran	15.310	168	375235	7.44	ng	99
58) Fluorene	15.957	166	578241	14.31	ng	97
71) Phenanthrene	17.698	178	4658717	88.97	ng	100
72) Anthracene	17.781	178	1790419	35.40	ng	99
73) Carbazole	18.028	167	296938	6.33	ng	98
75) Fluoranthene	19.633	202	9139365	151.26	ng	96
78) Pyrene	19.980	202	7676940	149.33	ng	99
81) Benzo(a)anthracene	21.669	228	4669799	93.47	ng	99
83) Chrysene	21.727	228	3773582	78.61	ng	97
87) Indeno(1,2,3-cd)pyrene	26.751	276	2617644	42.41	ng	# 93
88) Benzo(b)fluoranthene	23.421	252	5287693	94.44	ng	98
89) Benzo(k)fluoranthene	23.463	252	1847040m	33.41	ng	
90) Benzo(a)pyrene	24.068	252	4020912	77.58	ng	97
91) Dibenzo(a,h)anthracene	26.739	278	721152	14.02	ng	97
92) Benzo(g,h,i)perylene	27.545	276	2396897	48.13	ng	96

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

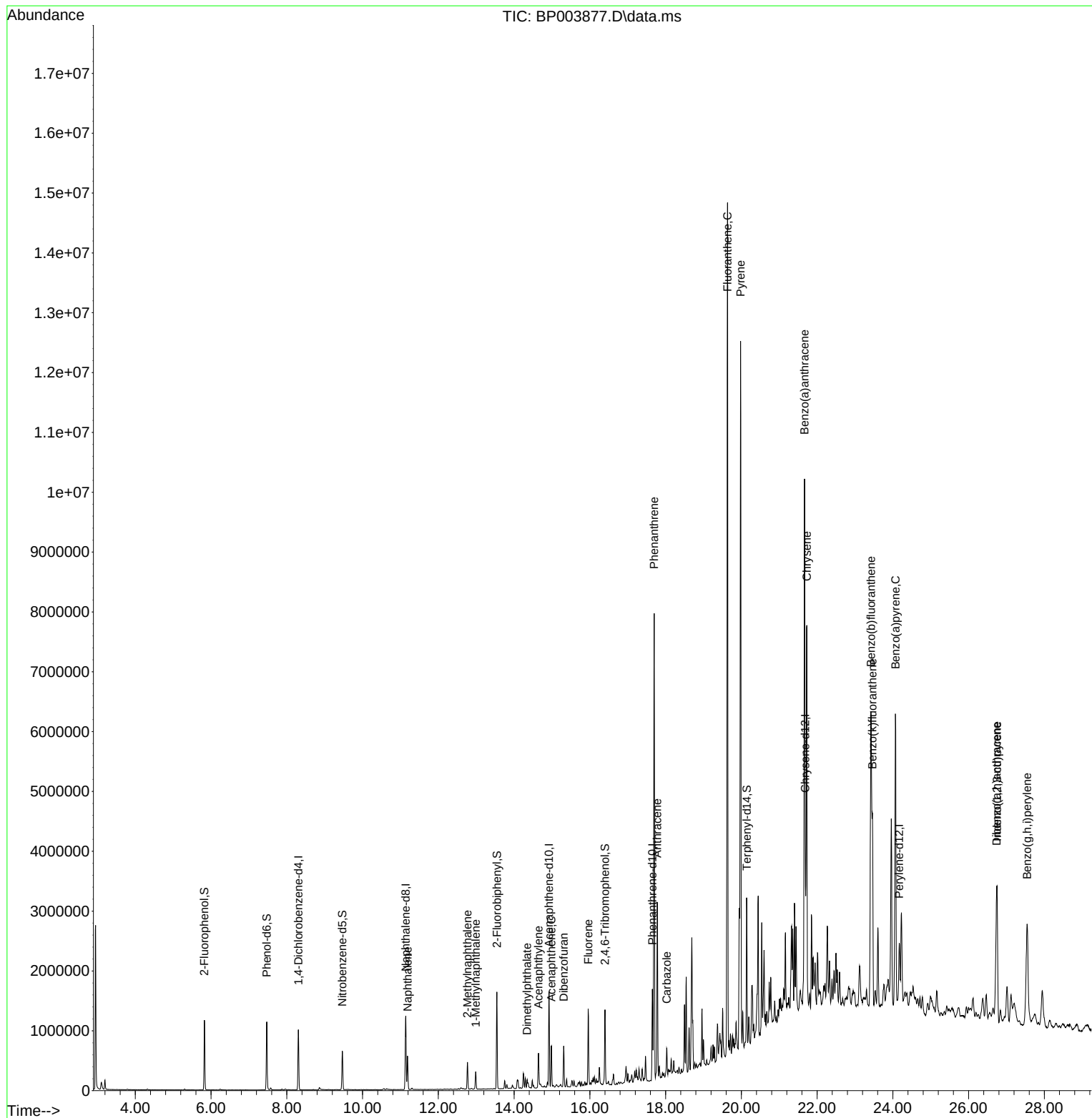
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110920\
Data File : BP003877.D
Acq On : 09 Nov 2020 20:13
Operator : CG/JU
Sample : L4589-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

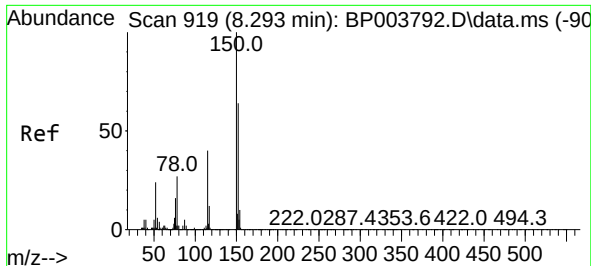
Instrument :
BNA_P
ClientSampled :
CL-02-110620

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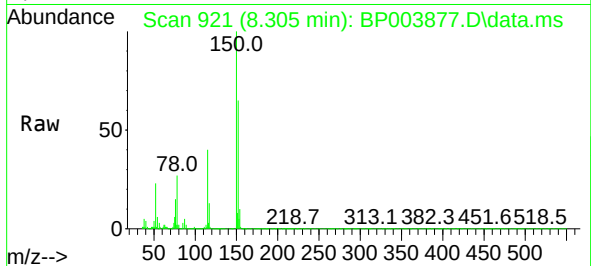
Quant Time: Nov 10 00:23:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 06 11:33:14 2020
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.305 min Scan# 921
Delta R.T. -0.000 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

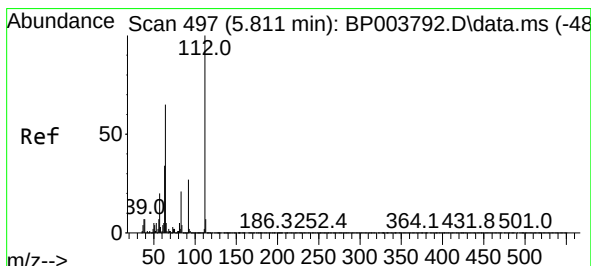
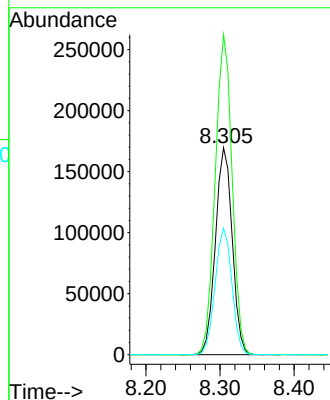
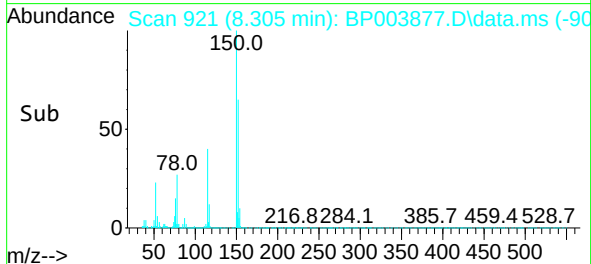
Instrument :
BNA_P
ClientSampleId :
CL-02-110620



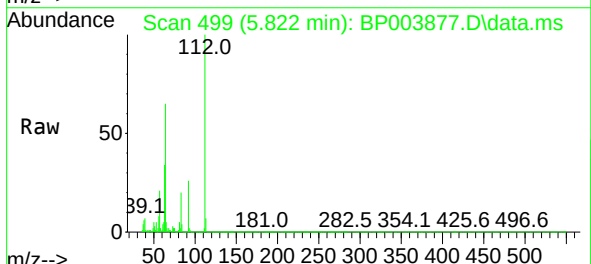
Tgt Ion:152 Resp: 267037
Ion Ratio Lower Upper
152 100
150 154.5 123.8 185.6
115 61.1 43.8 65.6

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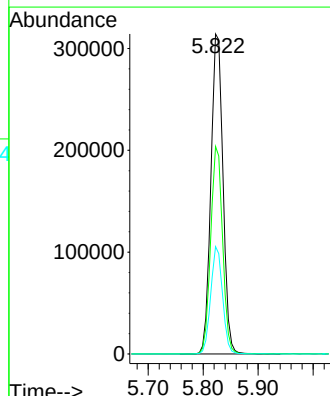
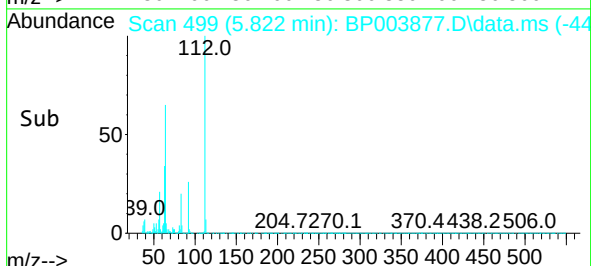
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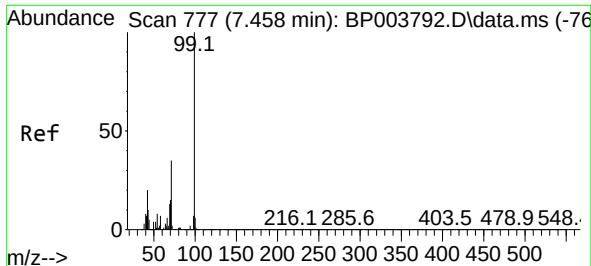


#5
2-Fluorophenol
Concen: 29.96 ng
RT: 5.822 min Scan# 499
Delta R.T. 0.000 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13



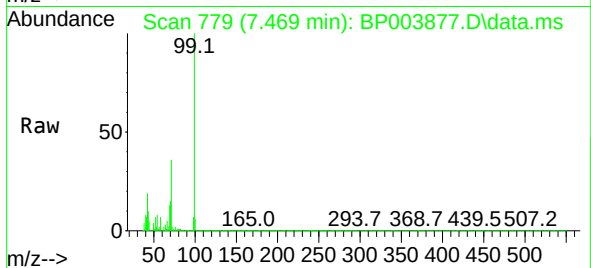
Tgt Ion:112 Resp: 479303
Ion Ratio Lower Upper
112 100
64 64.9 32.8 49.2#
63 33.6 17.0 25.4#





#7
Phenol-d6
Concen: 26.51 ng
RT: 7.469 min Scan# 779
Delta R.T. 0.000 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

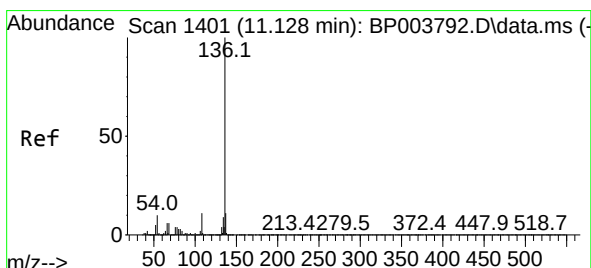
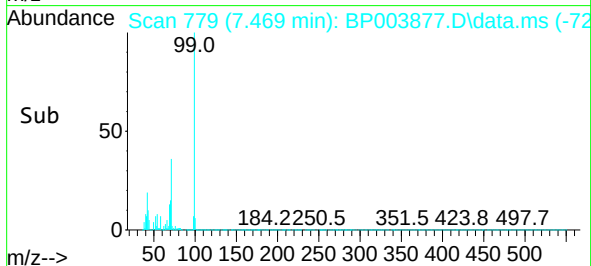
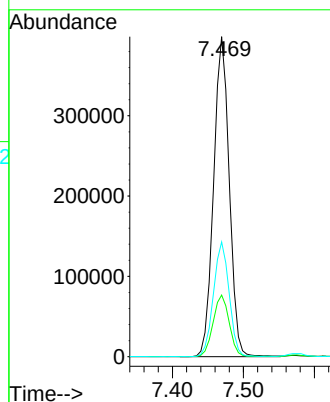
Instrument :
BNA_P
ClientSampleId :
CL-02-110620



Tgt Ion: 99 Resp: 608905
Ion Ratio Lower Upper
99 100
42 19.2 8.6 13.0#
71 35.8 23.4 35.2#

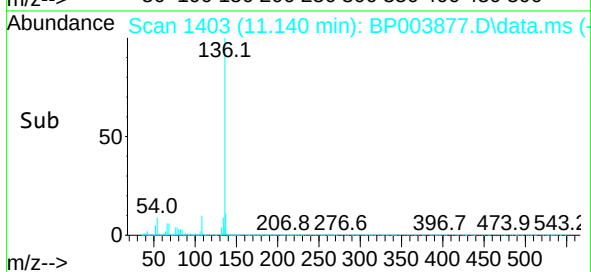
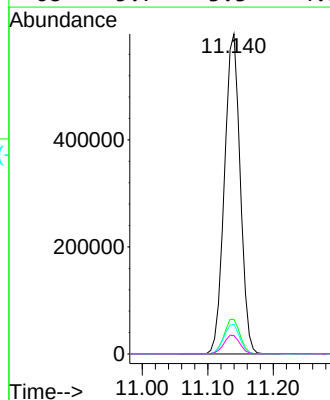
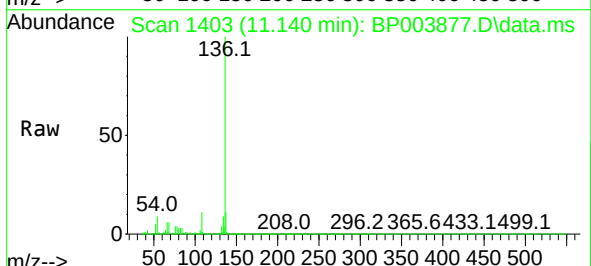
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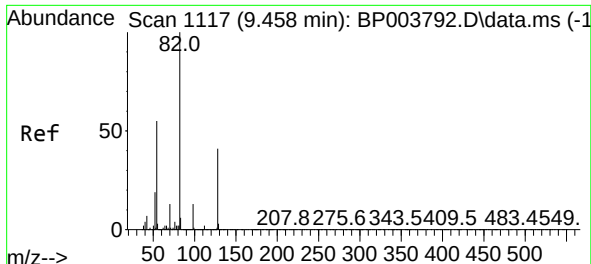
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.140 min Scan# 1403
Delta R.T. 0.006 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

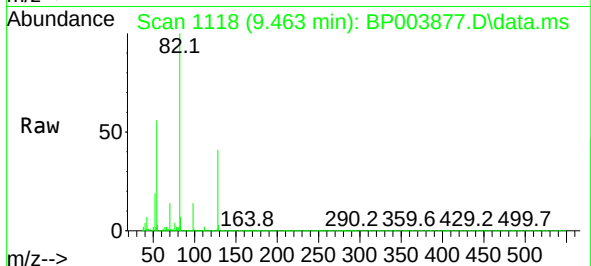
Tgt Ion: 136 Resp: 995767
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.3 3.6 5.4#
68 5.7 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 17.77 ng
RT: 9.463 min Scan# 1118
Delta R.T. -0.006 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

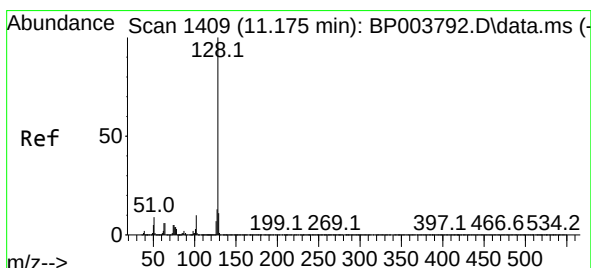
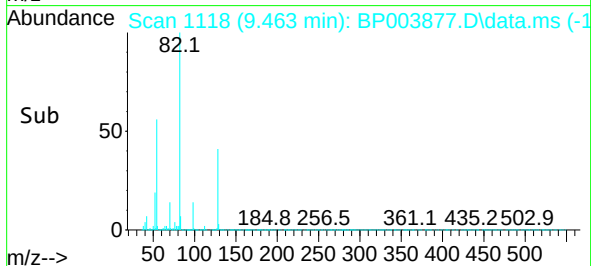
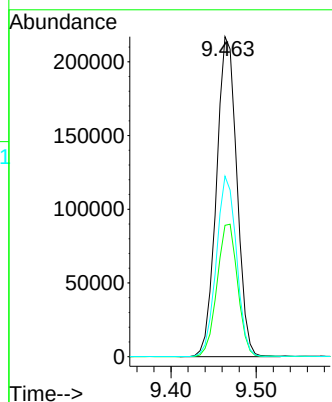
Instrument :
BNA_P
ClientSampleId :
CL-02-110620



Tgt Ion: 82 Resp: 361312
Ion Ratio Lower Upper
82 100
128 41.1 45.6 68.4#
54 56.4 30.1 45.1#

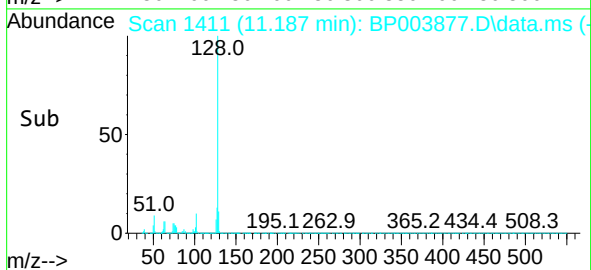
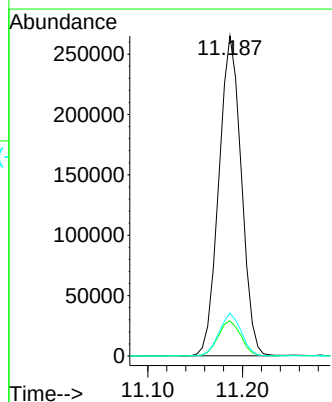
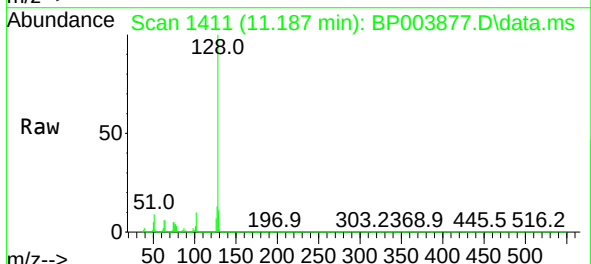
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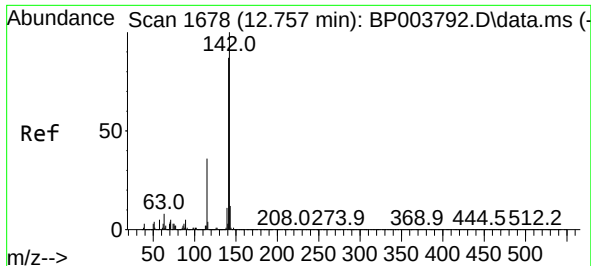
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#31
Naphthalene
Concen: 8.19 ng
RT: 11.187 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

Tgt Ion: 128 Resp: 437625
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.4 10.6 15.8





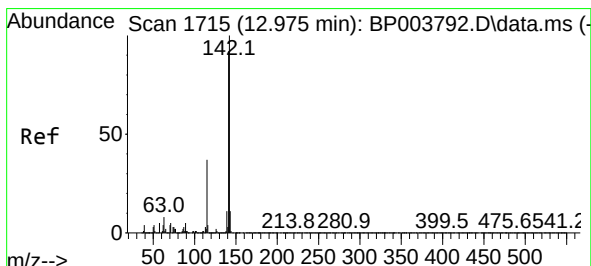
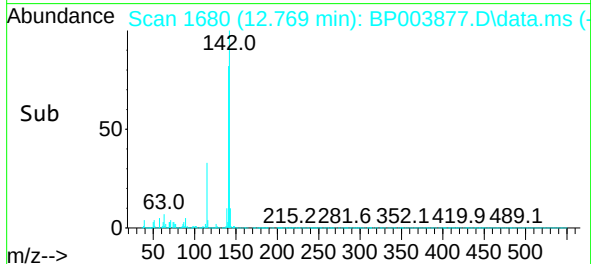
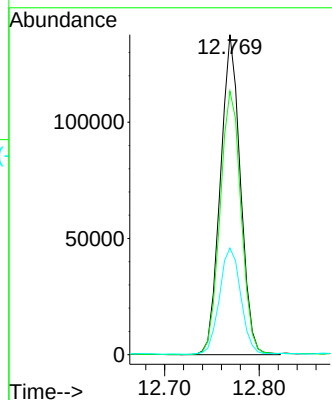
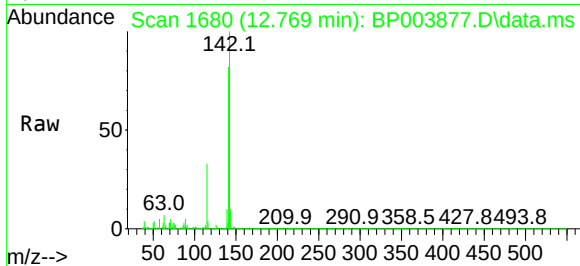
#37
2-Methylnaphthalene
Concen: 5.29 ng
RT: 12.769 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

Tgt Ion:142 Resp: 202402
Ion Ratio Lower Upper
142 100
141 82.3 71.4 107.2
115 33.3 25.8 38.6

Instrument :
BNA_P
ClientSampleId :
CL-02-110620

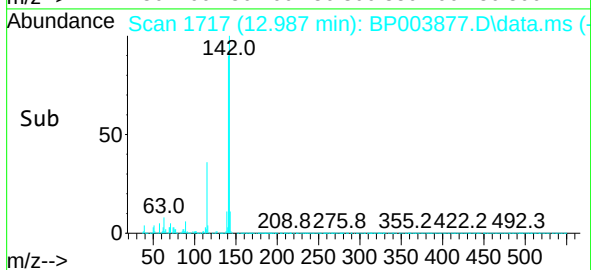
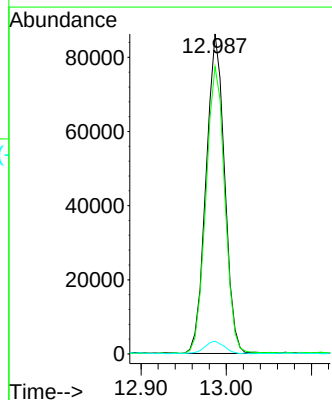
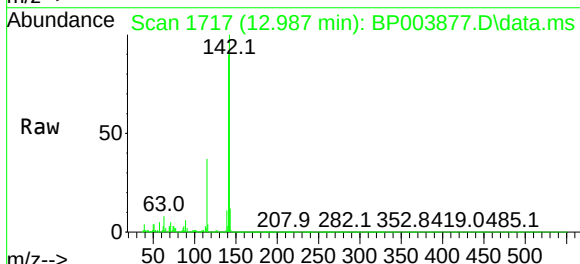
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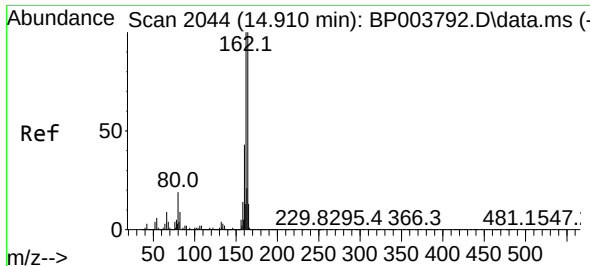
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#38
1-Methylnaphthalene
Concen: 3.57 ng
RT: 12.987 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

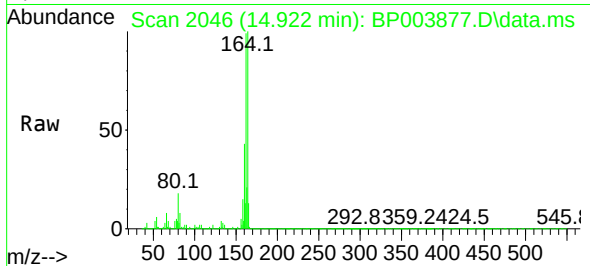
Tgt Ion:142 Resp: 130357
Ion Ratio Lower Upper
142 100
141 89.8 74.4 111.6
116 4.0 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.922 min Scan# 2046
Delta R.T. 0.006 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

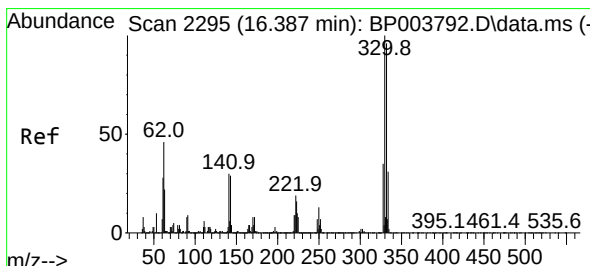
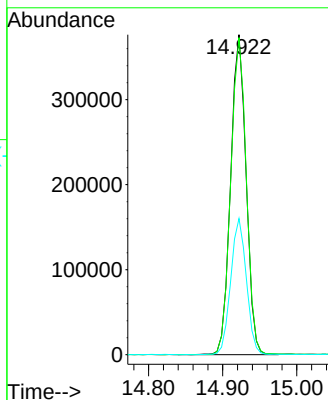
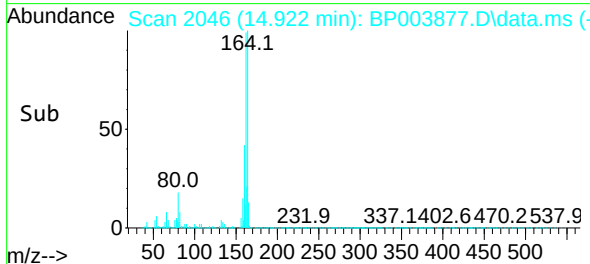
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BNA_P
ClientSampleId :
CL-02-110620



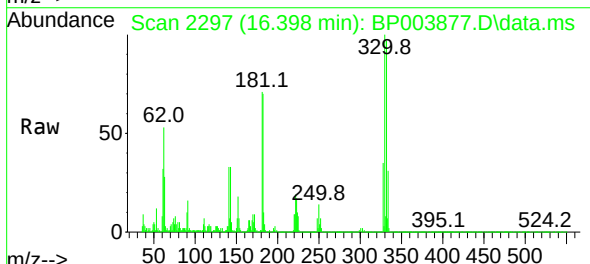
Tgt Ion:164 Resp: 545226
Ion Ratio Lower Upper
164 100
162 99.1 79.4 119.2
160 42.5 36.1 54.1

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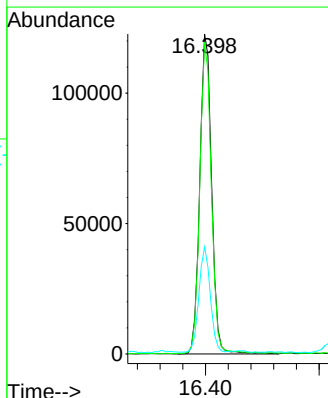
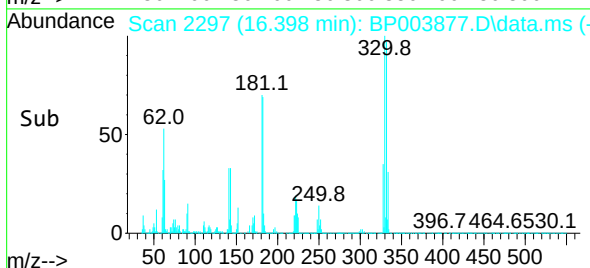
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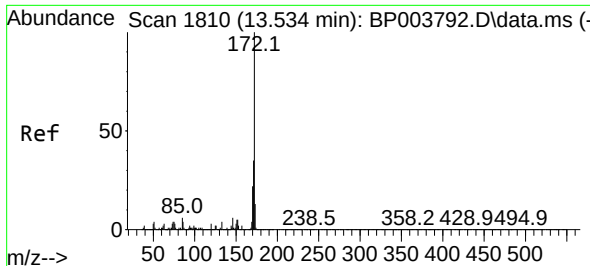


#42
2,4,6-Tribromophenol
Concen: 26.01 ng
RT: 16.398 min Scan# 2297
Delta R.T. 0.000 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13



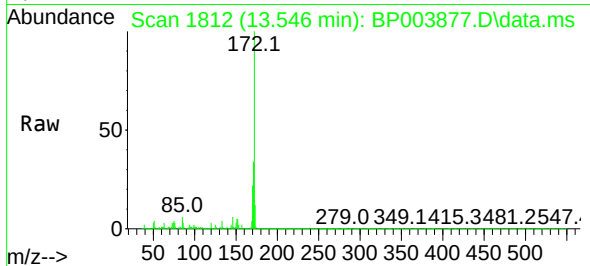
Tgt Ion:330 Resp: 177361
Ion Ratio Lower Upper
330 100
332 95.2 77.1 115.7
141 31.8 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 20.78 ng
RT: 13.546 min Scan# 1812
Delta R.T. 0.000 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

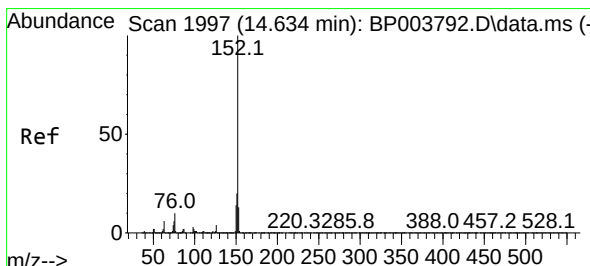
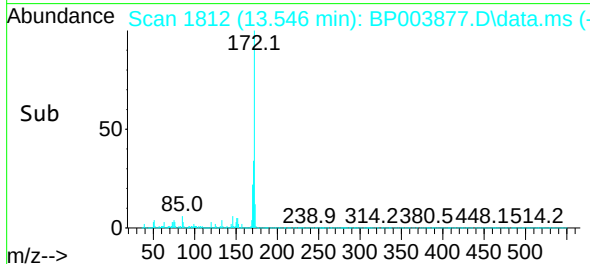
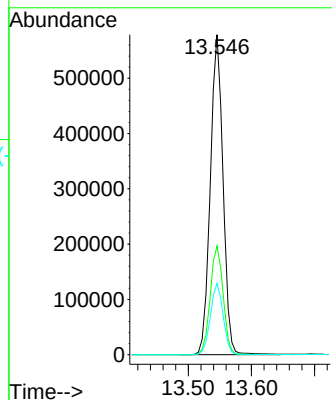
Instrument :
BNA_P
ClientSampleId :
CL-02-110620



Tgt Ion:172 Resp: 810271
Ion Ratio Lower Upper
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171 34.0 28.5 42.7
170 22.3 19.2 28.8

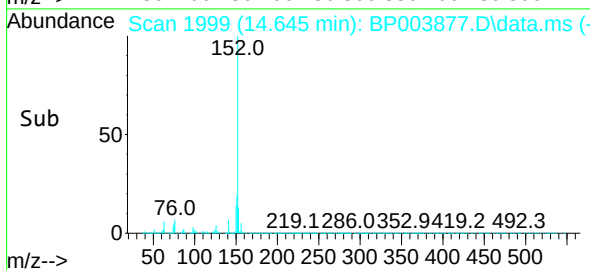
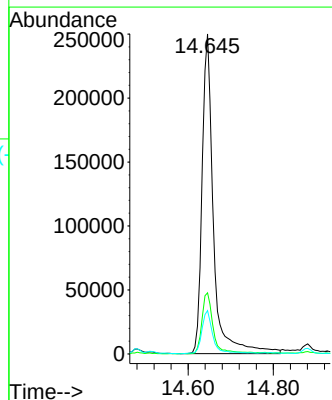
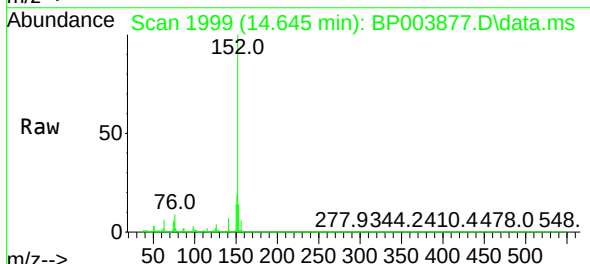
Manual Integrations
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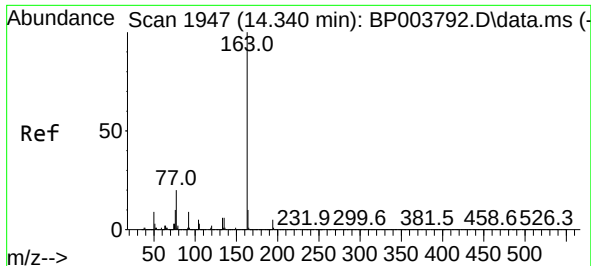
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#49
Acenaphthylene
Concen: 9.09 ng
RT: 14.645 min Scan# 1999
Delta R.T. 0.006 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

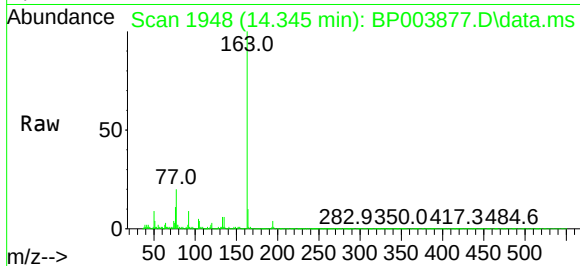
Tgt Ion:152 Resp: 463477
Ion Ratio Lower Upper
152 100
151 19.1 15.9 23.9
153 13.6 10.5 15.7





#50
Dimethylphthalate
Concen: 2.03 ng
RT: 14.345 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

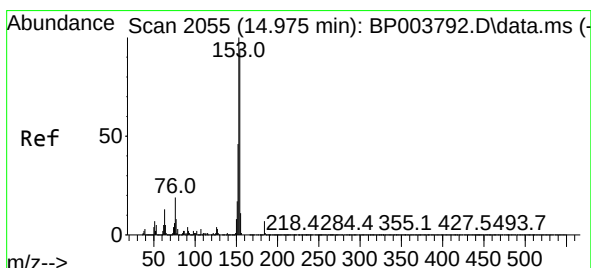
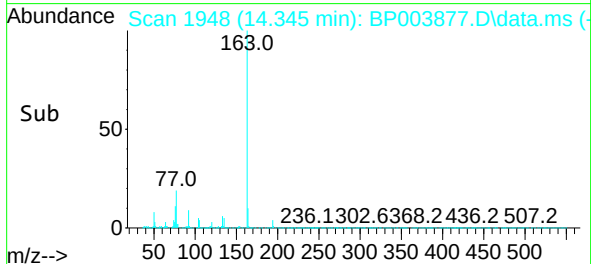
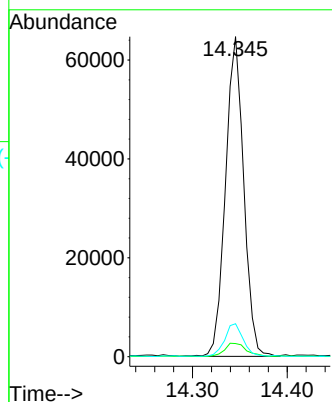
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BNA_P
ClientSampleId :
CL-02-110620



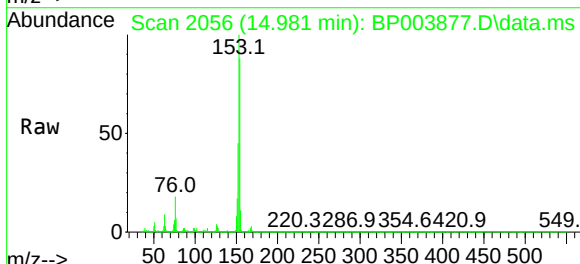
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Ion Ratio Lower Upper
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194 4.1 3.3 4.9
164 10.3 8.2 12.2

Manual Integrations
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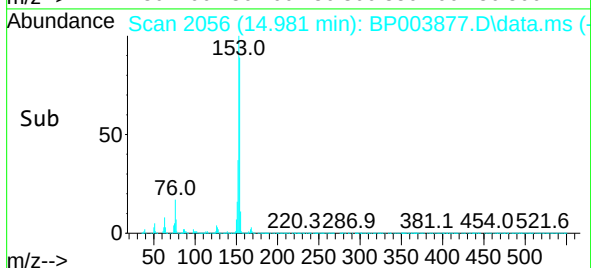
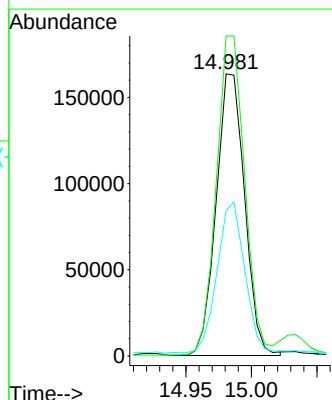
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11/10/2020 12:00:38 PM

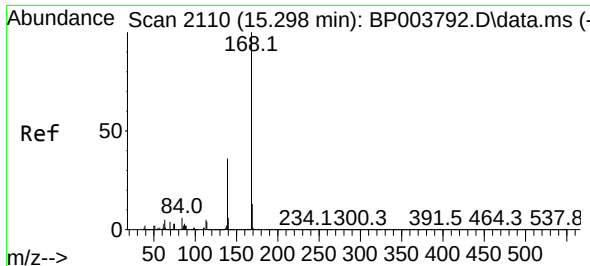


#52
Acenaphthene
Concen: 7.26 ng
RT: 14.981 min Scan# 2056
Delta R.T. 0.000 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13



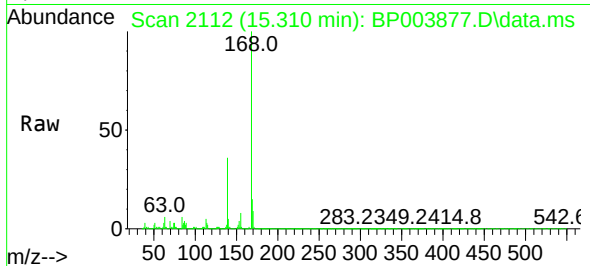
Tgt Ion:154 Resp: 246666
Ion Ratio Lower Upper
154 100
153 113.5 91.0 136.6
152 51.5 43.0 64.6





#55
Dibenzenofuran
Concen: 7.44 ng
RT: 15.310 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

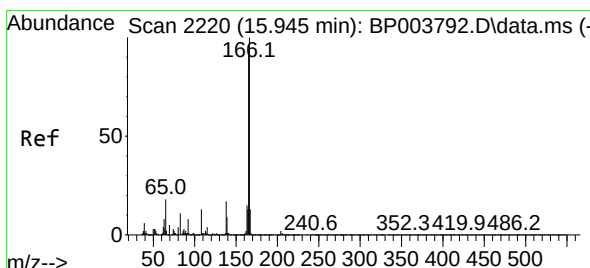
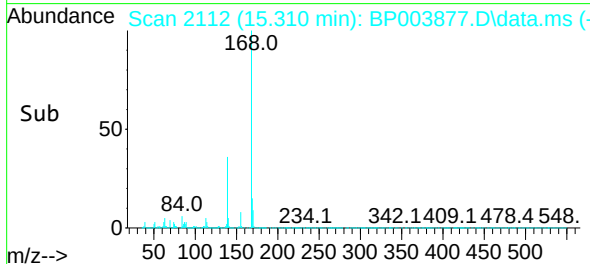
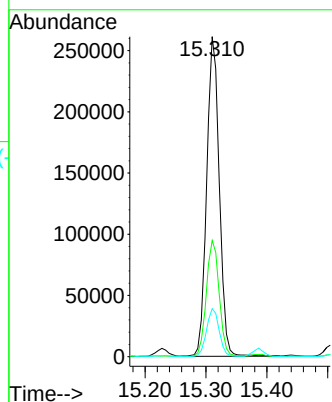
Instrument :
BNA_P
ClientSampleId :
CL-02-110620



Tgt Ion:168 Resp: 375235
Ion Ratio Lower Upper
168 100
139 36.3 29.1 43.7
169 15.0 10.4 15.6

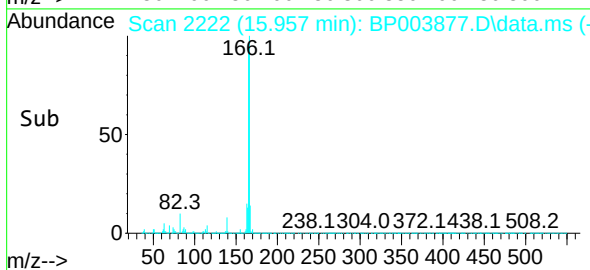
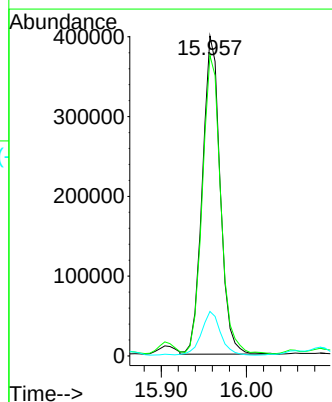
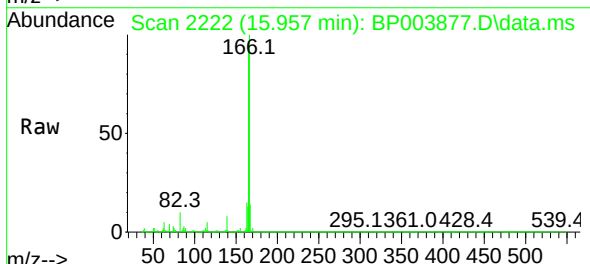
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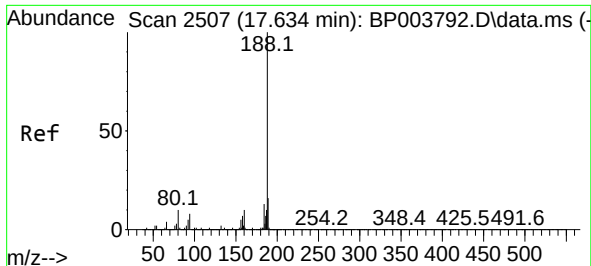
mohammad
11/10/2020 12:00:38 PM



#58
Fluorene
Concen: 14.31 ng
RT: 15.957 min Scan# 2222
Delta R.T. 0.000 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

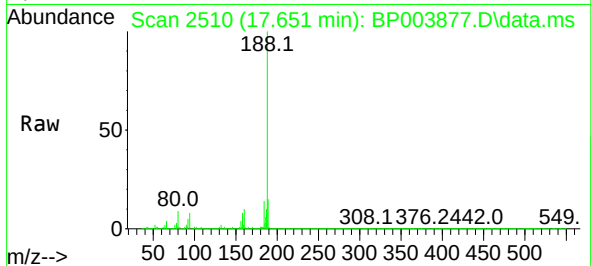
Tgt Ion:166 Resp: 578241
Ion Ratio Lower Upper
166 100
165 93.9 77.8 116.8
167 13.9 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.651 min Scan# 2510
Delta R.T. 0.006 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

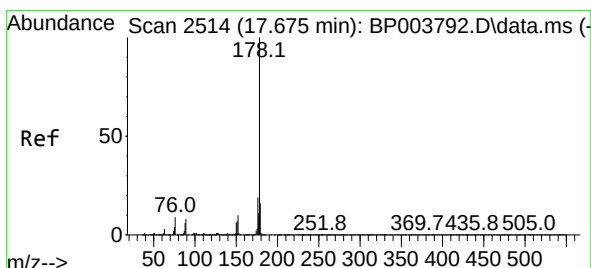
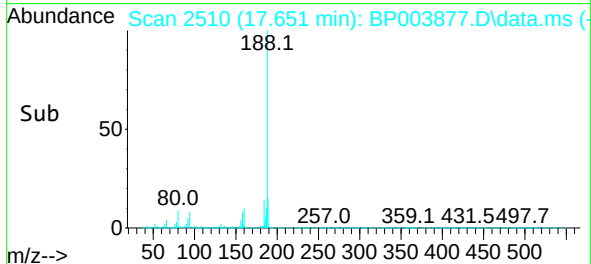
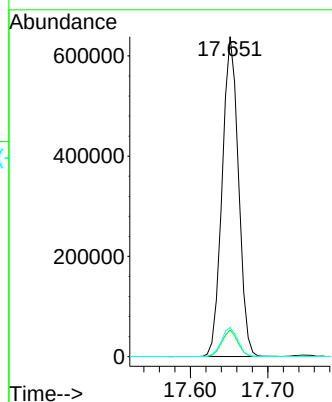
Instrument :
BNA_P
ClientSampleId :
CL-02-110620



Tgt Ion:188 Resp: 933018
Ion Ratio Lower Upper
188 100
94 8.3 6.2 9.2
80 9.1 6.2 9.2

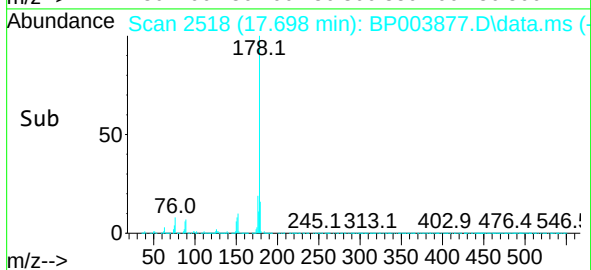
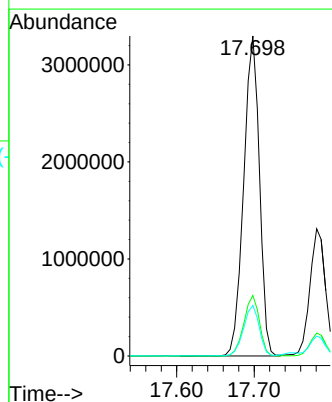
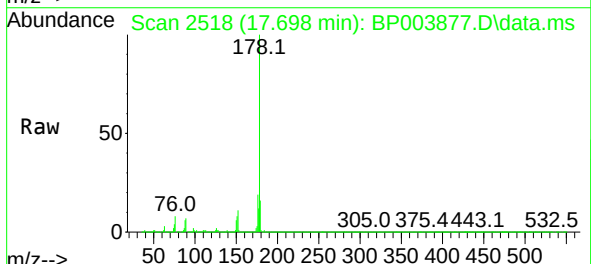
Manual Integrations
APPROVED

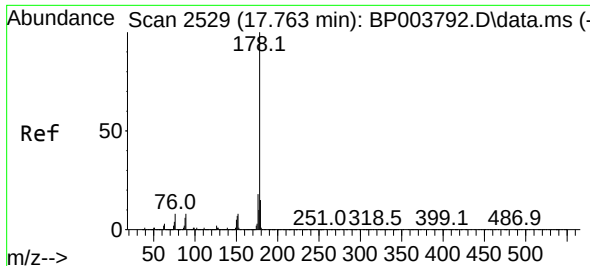
mohammad
11/10/2020 12:00:38 PM



#71
Phenanthrene
Concen: 88.97 ng
RT: 17.698 min Scan# 2518
Delta R.T. 0.012 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

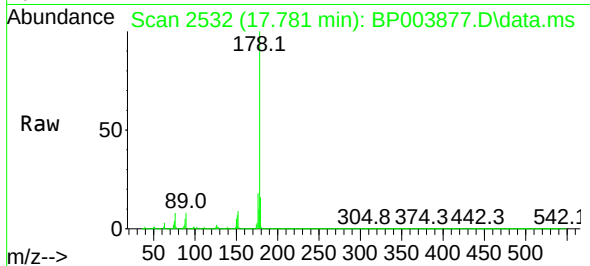
Tgt Ion:178 Resp: 4658717
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.8 12.5 18.7





#72
 Anthracene
 Concen: 35.40 ng
 RT: 17.781 min Scan# 2532
 Delta R.T. 0.006 min
 Lab File: BP003877.D
 Acq: 09 Nov 2020 20:13

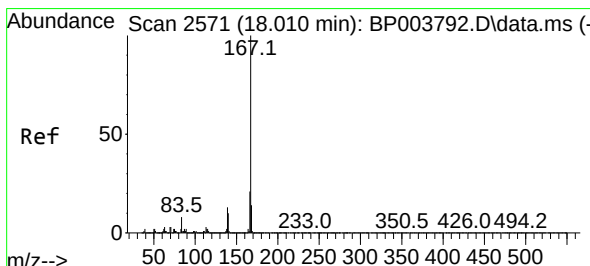
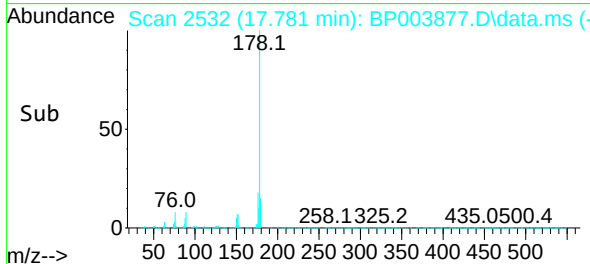
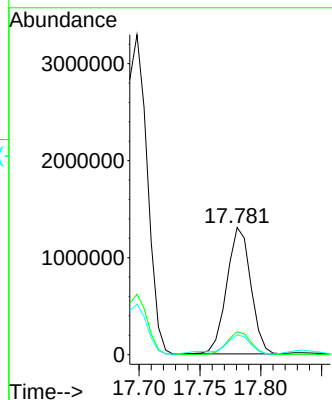
Instrument :
 BNA_P
 ClientSampleId :
 CL-02-110620



Tgt Ion:178 Resp: 1790419
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.4
 179 15.6 12.5 18.7

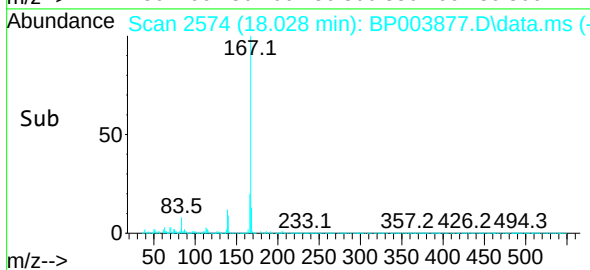
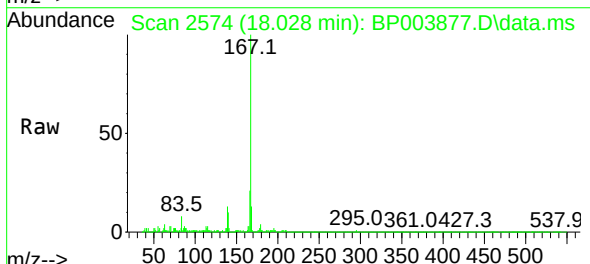
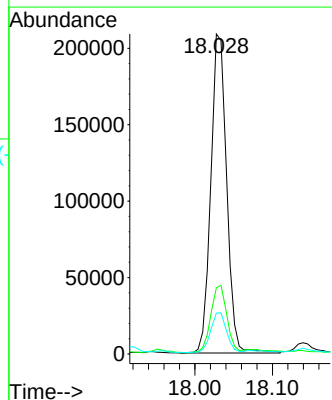
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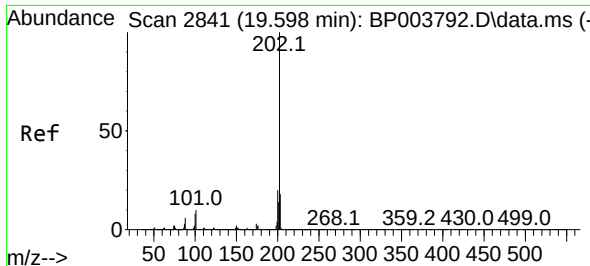
mohammad
 11/10/2020 12:00:38 PM



#73
 Carbazole
 Concen: 6.33 ng
 RT: 18.028 min Scan# 2574
 Delta R.T. 0.000 min
 Lab File: BP003877.D
 Acq: 09 Nov 2020 20:13

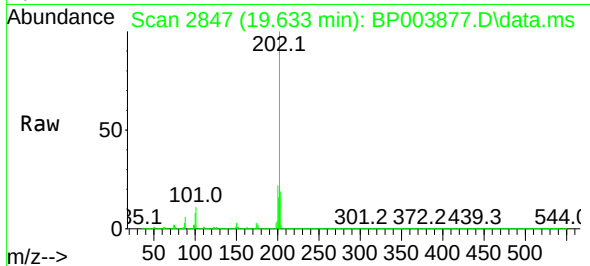
Tgt Ion:167 Resp: 296938
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.6 26.4
 139 12.7 10.2 15.4





#75
Fluoranthene
Concen: 151.26 ng
RT: 19.633 min Scan# 2847
Delta R.T. 0.018 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

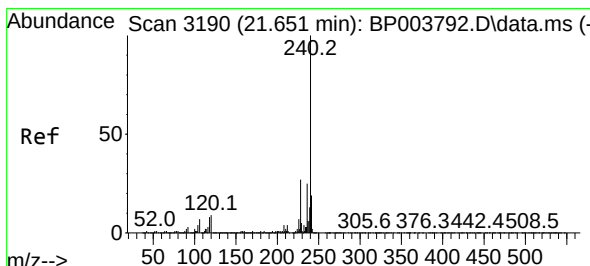
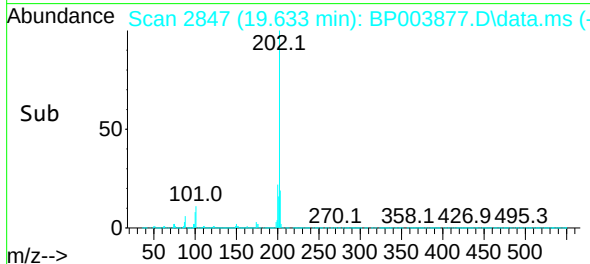
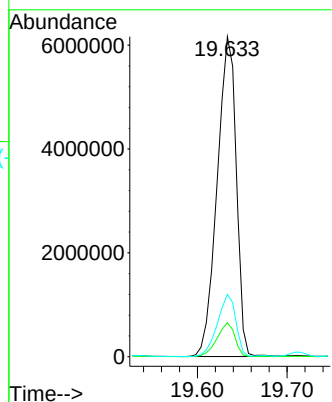
Instrument :
BNA_P
ClientSampleId :
CL-02-110620



Tgt Ion:202 Resp: 9139365
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.4
203 19.4 0.0 37.8

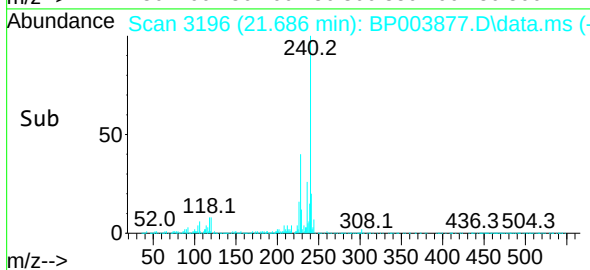
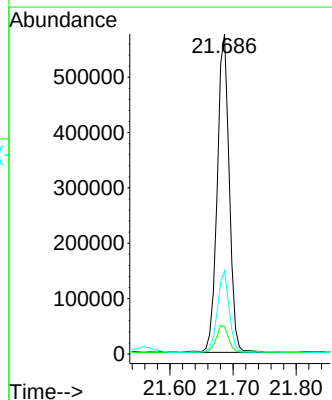
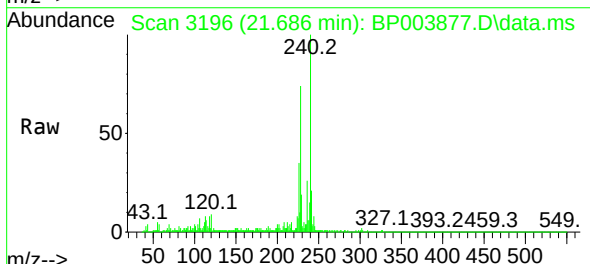
Manual Integrations
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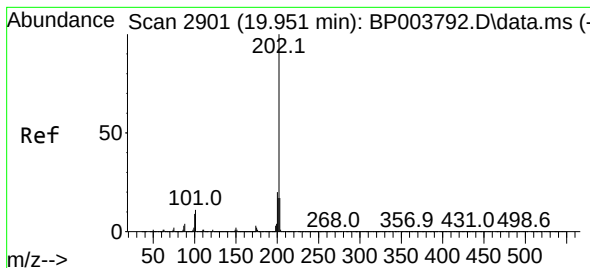
mohammad
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.686 min Scan# 3196
Delta R.T. 0.018 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

Tgt Ion:240 Resp: 757595
Ion Ratio Lower Upper
240 100
120 8.6 7.8 11.6
236 26.0 20.8 31.2





#78

Pyrene

Concen: 149.33 ng

RT: 19.980 min Scan# 2906

Delta R.T. 0.018 min

Lab File: BP003877.D

Acq: 09 Nov 2020 20:13

Tgt Ion:202 Resp: 7676940

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.1	25.7
203	18.9	14.2	21.2

Instrument :

BNA_P

ClientSampleId :

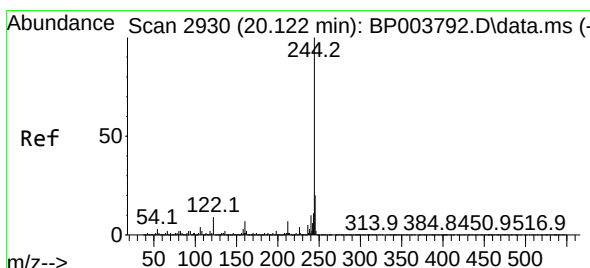
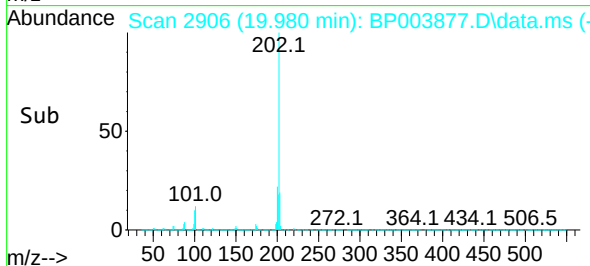
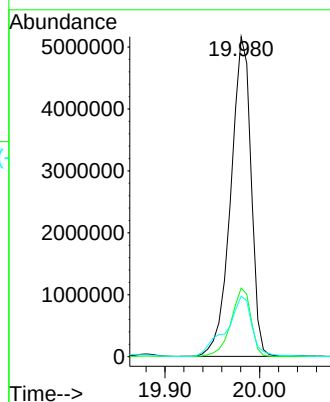
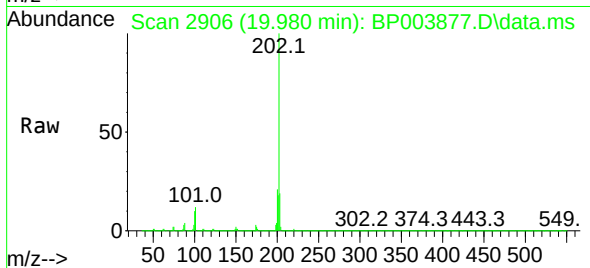
CL-02-110620

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#79

Terphenyl-d14

Concen: 18.35 ng

RT: 20.145 min Scan# 2934

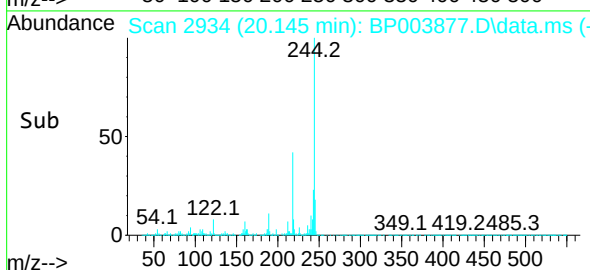
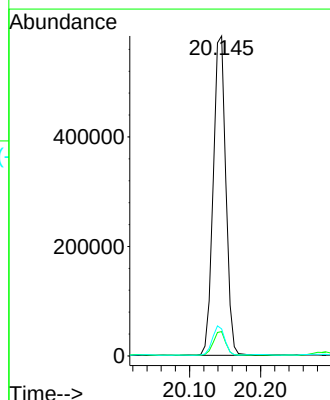
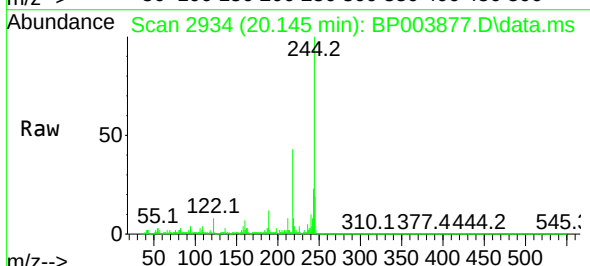
Delta R.T. 0.012 min

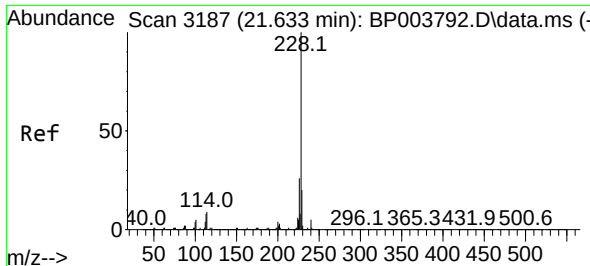
Lab File: BP003877.D

Acq: 09 Nov 2020 20:13

Tgt Ion:244 Resp: 719640

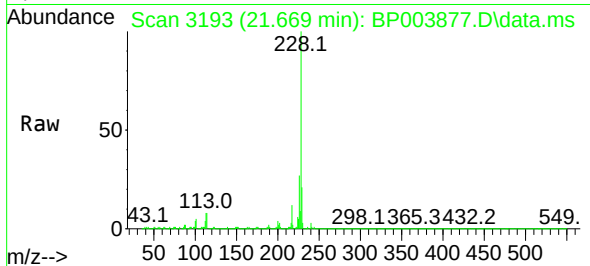
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	8.5	7.8	11.8





#81
Benzo(a)anthracene
Concen: 93.47 ng
RT: 21.669 min Scan# 3193
Delta R.T. 0.018 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

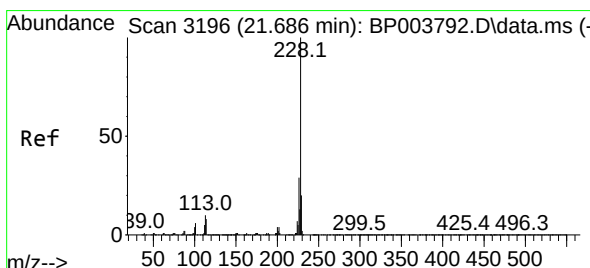
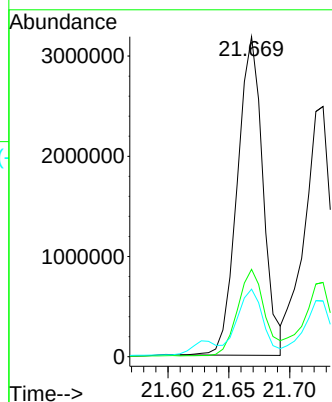
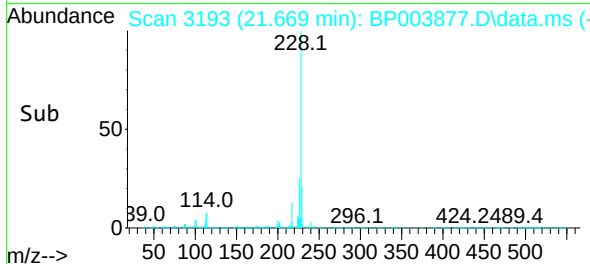
Instrument :
BNA_P
ClientSampleId :
CL-02-110620



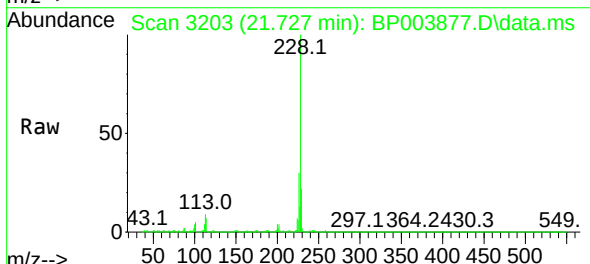
Tgt Ion:228 Resp: 4669799
Ion Ratio Lower Upper
228 100
226 27.3 22.1 33.1
229 21.1 15.9 23.9

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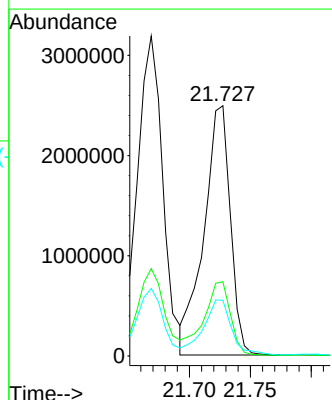
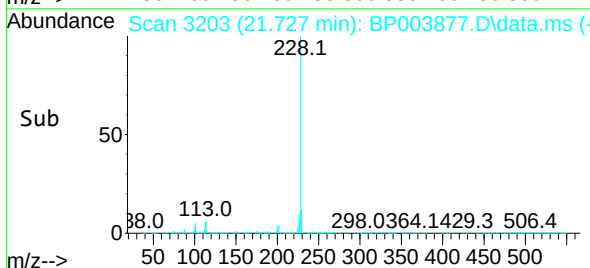
mohammad
11/10/2020 12:00:38 PM

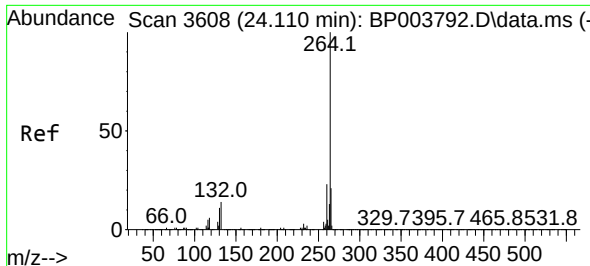


#83
Chrysene
Concen: 78.61 ng
RT: 21.727 min Scan# 3203
Delta R.T. 0.024 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

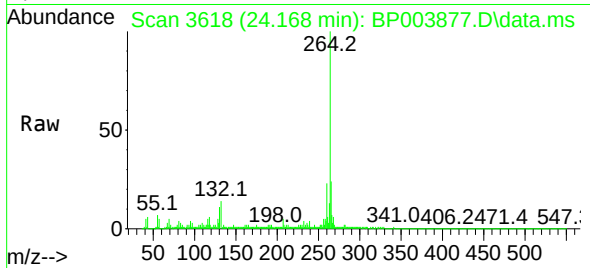


Tgt Ion:228 Resp: 3773582
Ion Ratio Lower Upper
228 100
226 29.7 24.4 36.6
229 22.3 15.8 23.6



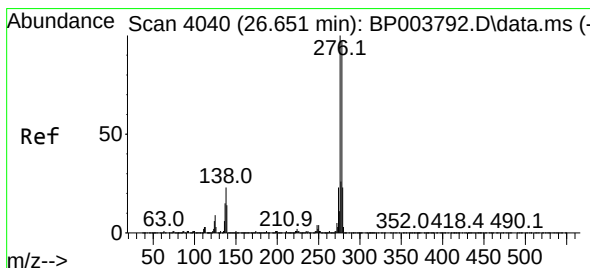
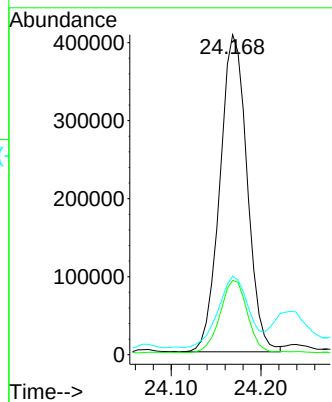
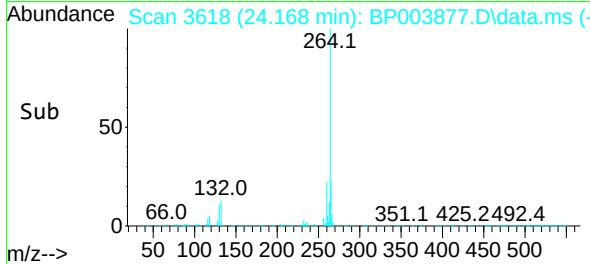


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.168 min Scan# 3618
Delta R.T. 0.024 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

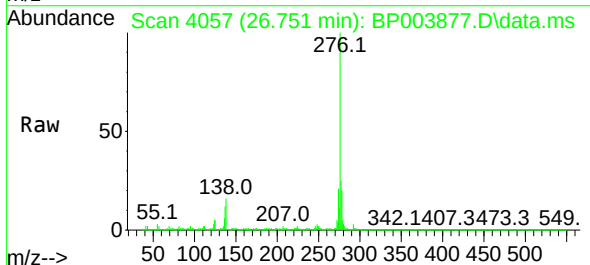


Tgt Ion: 264 Resp: 855579

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.8	28.2
265	24.5	17.4	26.2

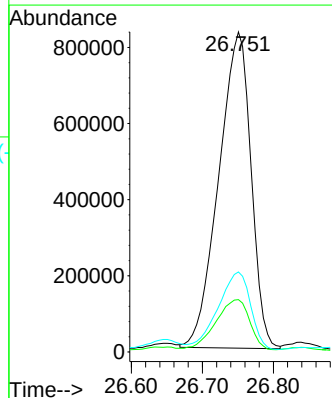
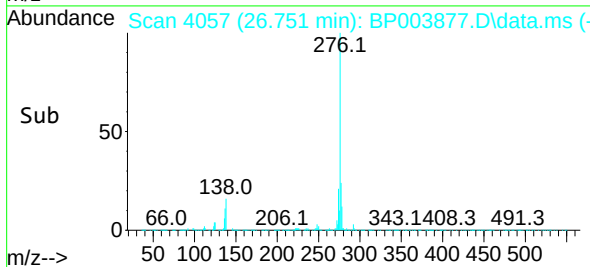


#87
Indeno(1,2,3-cd)pyrene
Concen: 42.41 ng
RT: 26.751 min Scan# 4057
Delta R.T. 0.047 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13



Tgt Ion: 276 Resp: 2617644

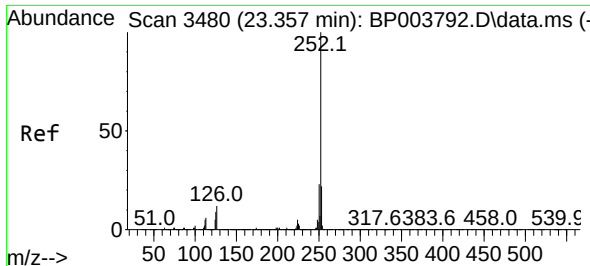
Ion	Ratio	Lower	Upper
276	100		
138	17.1	18.7	28.1#
277	24.9	20.4	30.6



Instrument :
BNA_P
ClientSampleId :
CL-02-110620

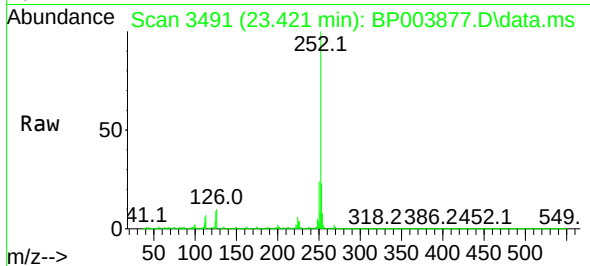
Manual Integrations
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#88
Benzo(b)fluoranthene
Concen: 94.44 ng
RT: 23.421 min Scan# 3491
Delta R.T. 0.029 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

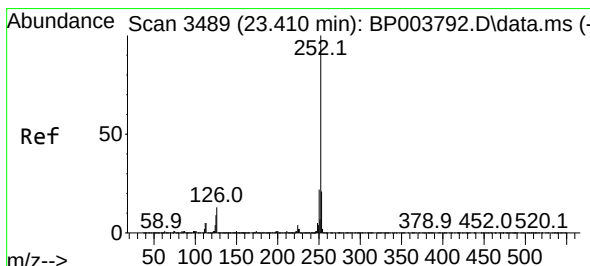
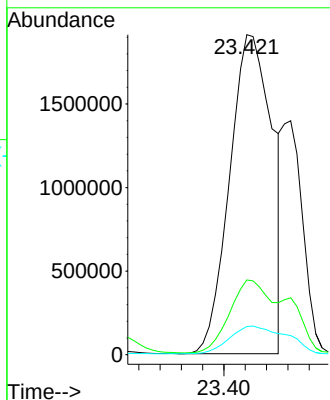
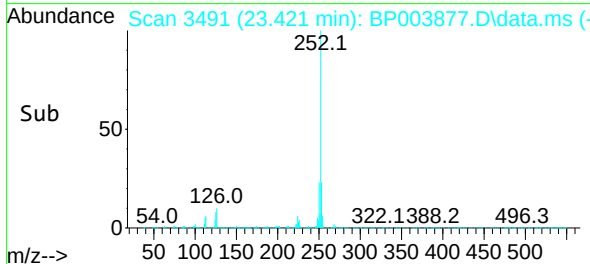
Instrument :
BNA_P
ClientSampleId :
CL-02-110620



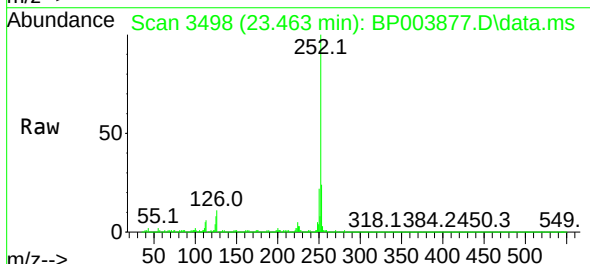
Tgt Ion:252 Resp: 5287693
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 8.8 7.3 10.9

Manual Integrations
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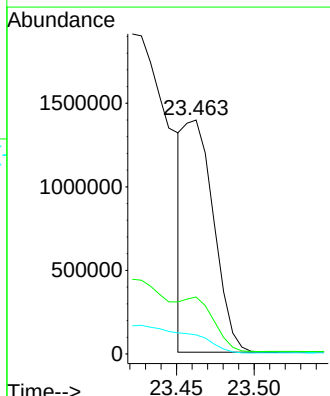
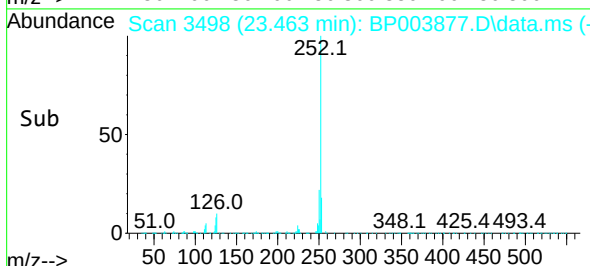
mohammad
11/10/2020 12:00:38 PM

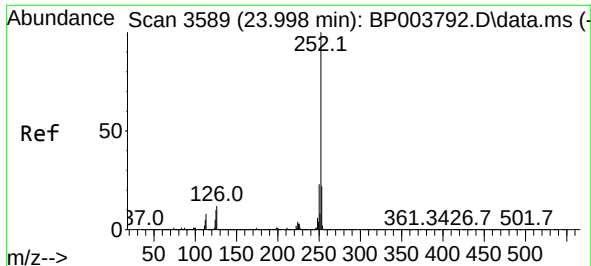


#89
Benzo(k)fluoranthene
Concen: 33.41 ng m
RT: 23.463 min Scan# 3498
Delta R.T. 0.024 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13



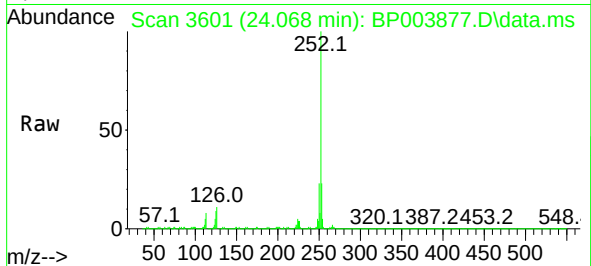
Tgt Ion:252 Resp: 1847040
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 8.1 7.4 11.2





#90
Benzo(a)pyrene
Concen: 77.58 ng
RT: 24.068 min Scan# 3601
Delta R.T. 0.035 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

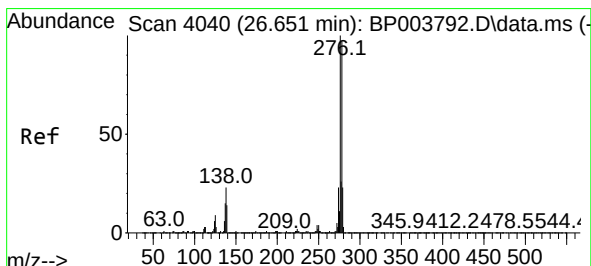
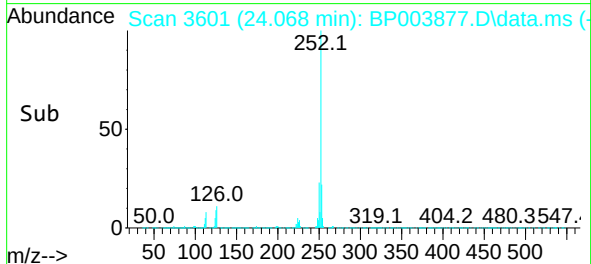
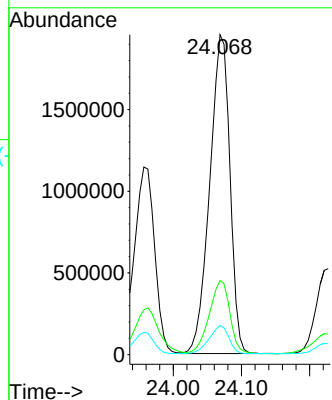
Instrument :
BNA_P
ClientSampleId :
CL-02-110620



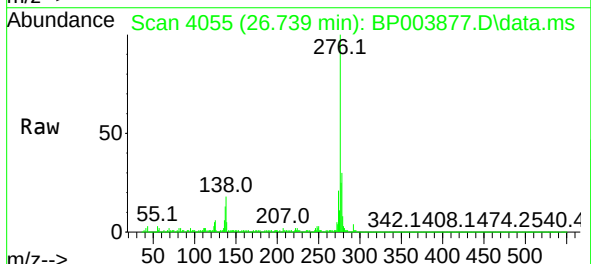
Tgt Ion:252 Resp: 4020912
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 9.1 8.2 12.4

Manual Integrations
APPROVED

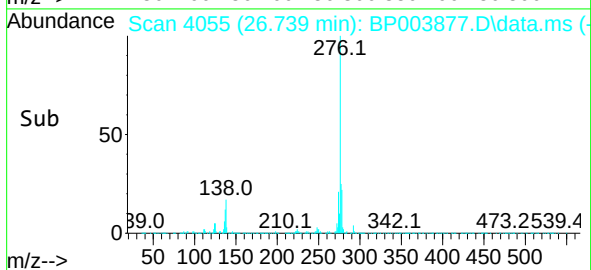
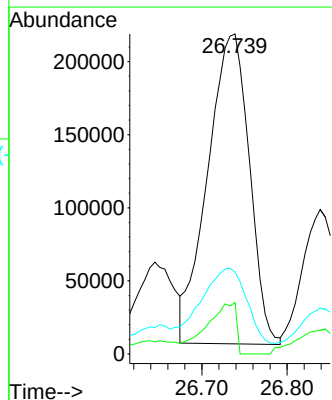
mohammad
11/10/2020 12:00:38 PM

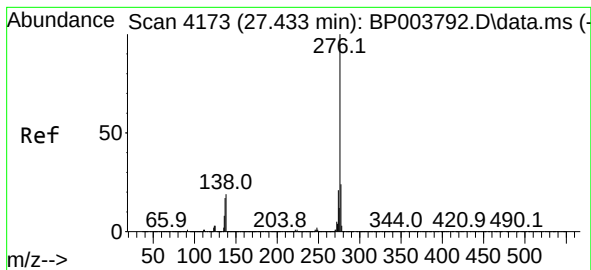


#91
Dibenzo(a,h)anthracene
Concen: 14.02 ng
RT: 26.739 min Scan# 4055
Delta R.T. 0.035 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13



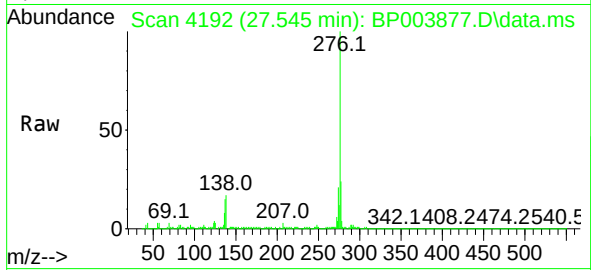
Tgt Ion:278 Resp: 721152
Ion Ratio Lower Upper
278 100
139 16.1 12.4 18.6
279 25.6 19.0 28.6





#92
Benzo(g,h,i)perylene
Concen: 48.13 ng
RT: 27.545 min Scan# 4192
Delta R.T. 0.053 min
Lab File: BP003877.D
Acq: 09 Nov 2020 20:13

Instrument :
BNA_P
ClientSampleId :
CL-02-110620



Tgt Ion: 276 Resp: 2396897
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.6
138 17.1 16.6 24.8

Manual Integrations
APPROVED

mohammad
11/10/2020 12:00:38 PM

