

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
 Data File : BP003949.D
 Acq On : 12 Nov 2020 21:06
 Operator : CG/JU
 Sample : L4595-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-111120

Manual Integrations
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Quant Time: Nov 13 00:17:34 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 12 15:22:47 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.281	152	149229	20.00	ng	0.00
21) Naphthalene-d8	11.116	136	573761	20.00	ng	# 0.00
39) Acenaphthene-d10	14.904	164	342306	20.00	ng	0.00
64) Phenanthrene-d10	17.639	188	687831	20.00	ng	# 0.00
76) Chrysene-d12	21.674	240	619851	20.00	ng	0.00
86) Perylene-d12	24.163	264	674592	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.805	112	414809	46.39	ng	0.00
7) Phenol-d6	7.452	99	544960	42.46	ng	0.00
23) Nitrobenzene-d5	9.446	82	349622	29.84	ng	0.00
42) 2,4,6-Tribromophenol	16.387	330	183709	42.91	ng	0.00
45) 2-Fluorobiphenyl	13.528	172	751010	30.67	ng	0.00
79) Terphenyl-d14	20.133	244	922802	28.76	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.163	128	148942	4.84	ng	100
37) 2-Methylnaphthalene	12.751	142	107416	4.88	ng	96
38) 1-Methylnaphthalene	12.969	142	90868	4.32	ng	# 99
49) Acenaphthylene	14.628	152	590910	18.46	ng	99
50) Dimethylphthalate	14.328	163	150344	5.62	ng	98
55) Dibenzofuran	15.298	168	143100	4.52	ng	# 93
58) Fluorene	15.945	166	283335	11.17	ng	97
71) Phenanthrene	17.686	178	2126882	55.10	ng	99
72) Anthracene	17.769	178	627908	16.84	ng	99
73) Carbazole	18.022	167	196743	5.69	ng	99
75) Fluoranthene	19.622	202	2724478	61.17	ng	100
78) Pyrene	19.969	202	2395680	56.95	ng	99
81) Benzo(a)anthracene	21.657	228	1314125	32.15	ng	98
83) Chrysene	21.710	228	1238635	31.54	ng	98
87) Indeno(1,2,3-cd)pyrene	26.733	276	883491	18.15	ng	# 94
88) Benzo(b)fluoranthene	23.410	252	1760835m	39.89	ng	
89) Benzo(k)fluoranthene	23.451	252	557167m	12.78	ng	
90) Benzo(a)pyrene	24.057	252	1270695	31.09	ng	98
91) Dibenzo(a,h)anthracene	26.727	278	228622	5.64	ng	# 91
92) Benzo(g,h,i)perylene	27.527	276	817086	20.81	ng	97

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

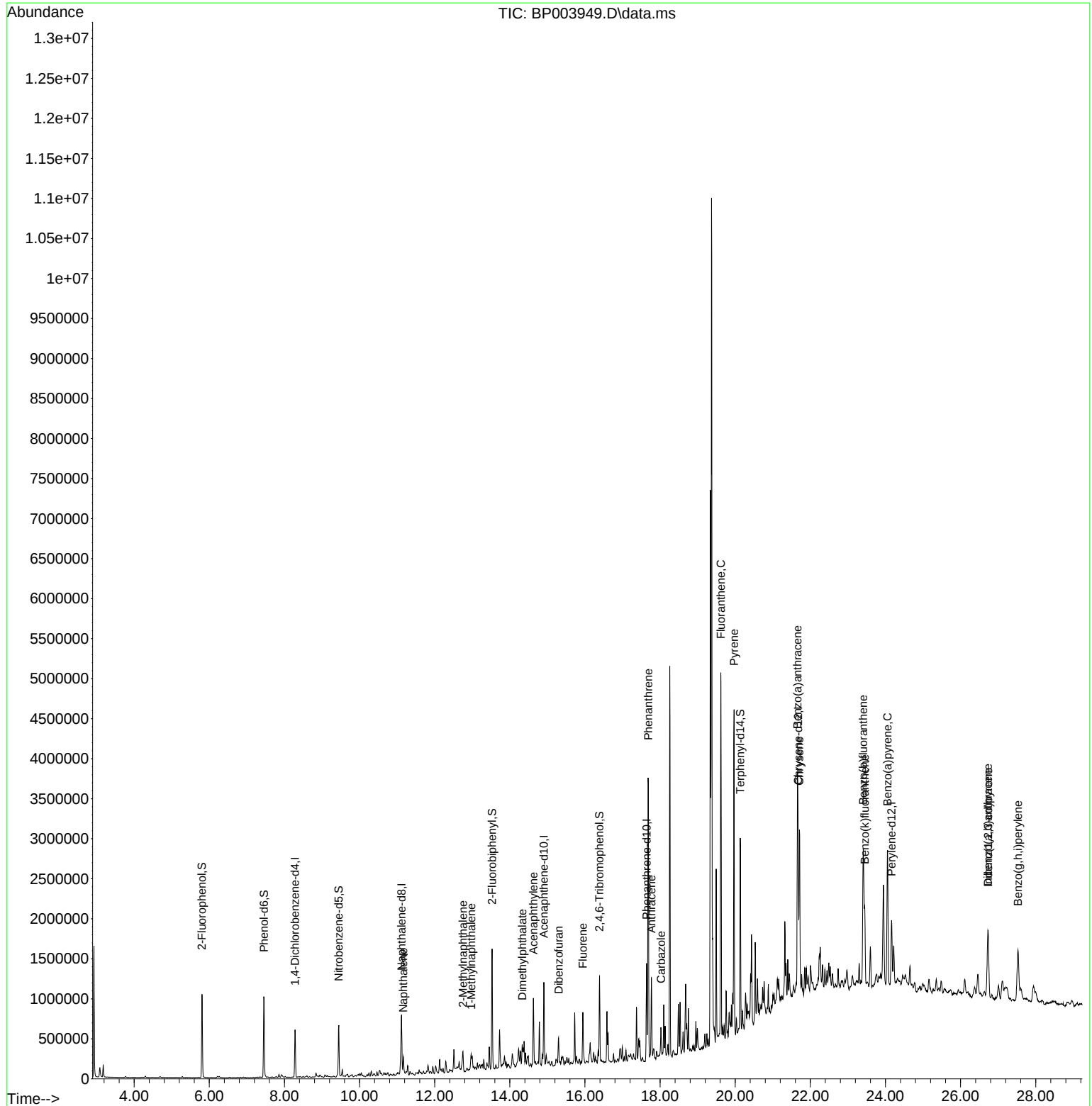
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003949.D
Acq On : 12 Nov 2020 21:06
Operator : CG/JU
Sample : L4595-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

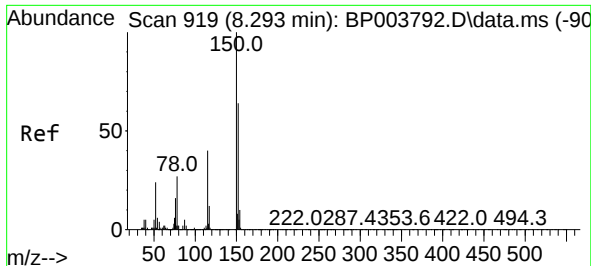
Instrument :
BNA_P
ClientSampleId :
SU-03-11120

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Quant Time: Nov 13 00:17:34 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 12 15:22:47 2020
Response via : Initial Calibration





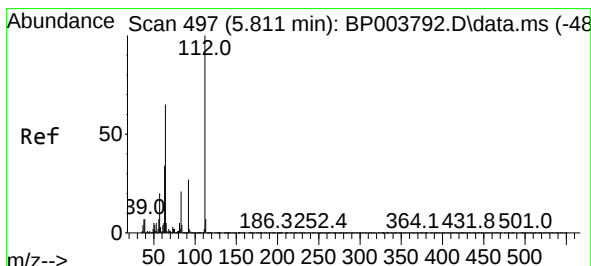
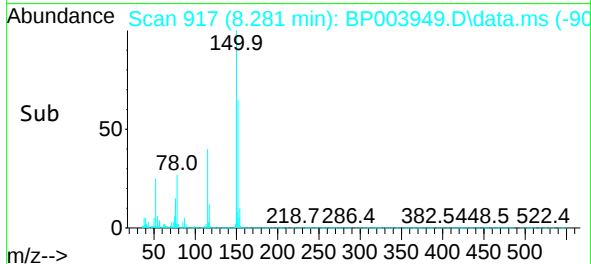
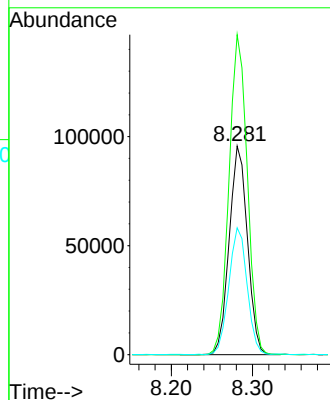
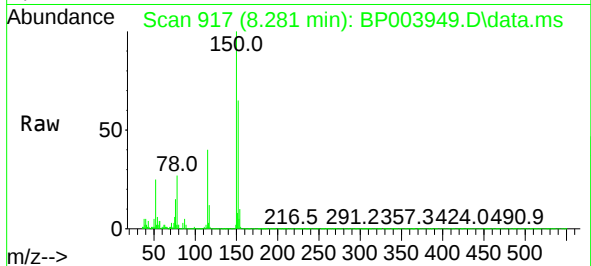
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.281 min Scan# 917
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

Tgt Ion:152 Resp: 149229
Ion Ratio Lower Upper
152 100
150 153.4 123.8 185.6
115 60.9 43.8 65.6

Instrument :
BNA_P
ClientSampleId :
SU-03-111120

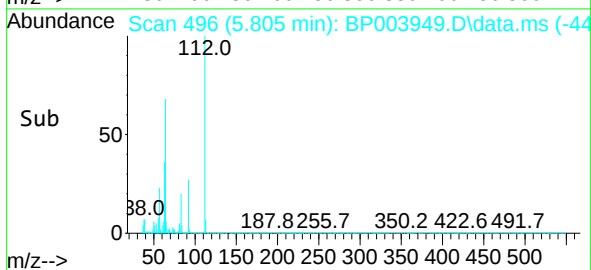
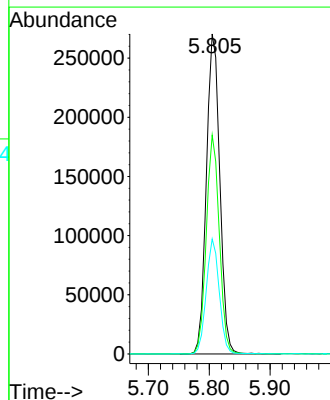
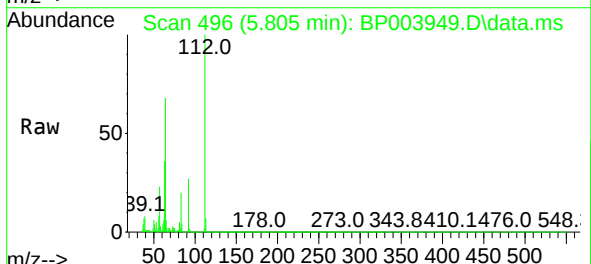
Manual Integrations
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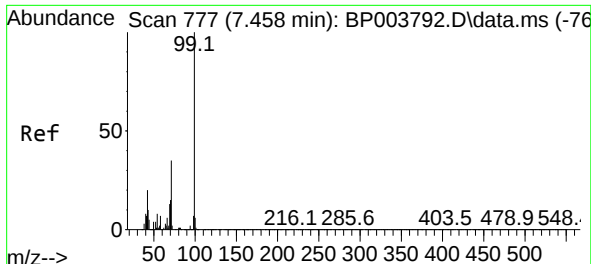
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#5
2-Fluorophenol
Concen: 46.39 ng
RT: 5.805 min Scan# 496
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

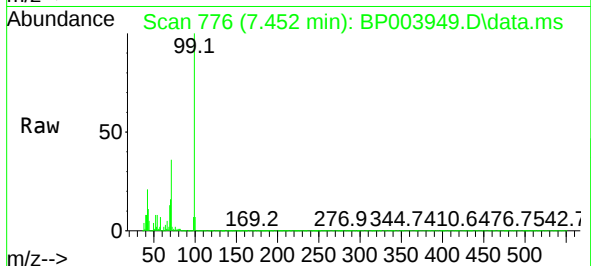
Tgt Ion:112 Resp: 414809
Ion Ratio Lower Upper
112 100
64 68.4 32.8 49.2#
63 36.0 17.0 25.4#





#7
Phenol-d6
Concen: 42.46 ng
RT: 7.452 min Scan# 776
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

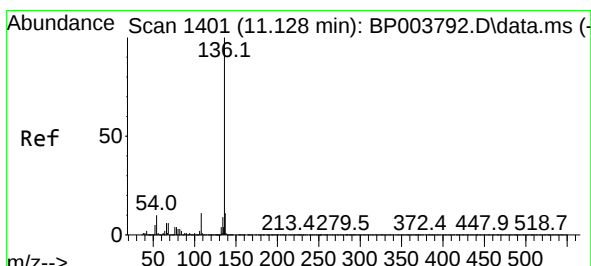
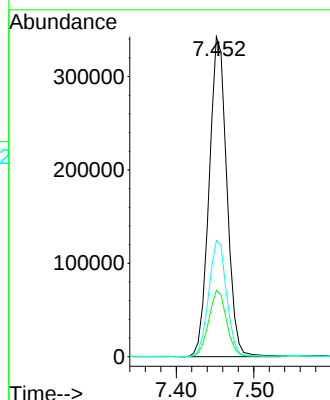
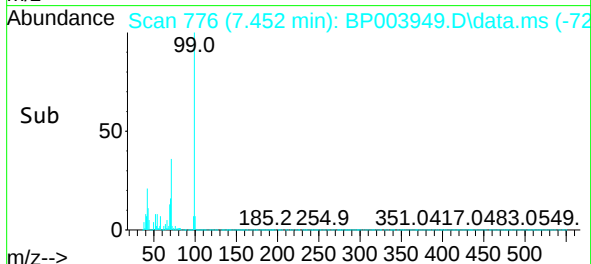
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BNA_P
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SU-03-111120



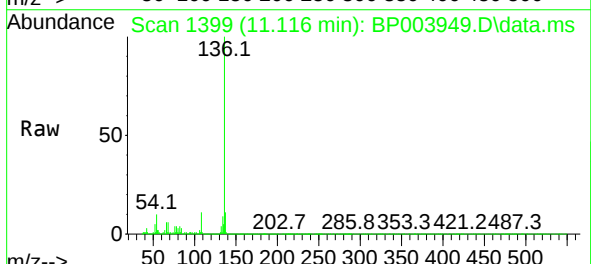
Tgt Ion: 99 Resp: 544960
Ion Ratio Lower Upper
99 100
42 20.7 8.6 13.0#
71 36.3 23.4 35.2#

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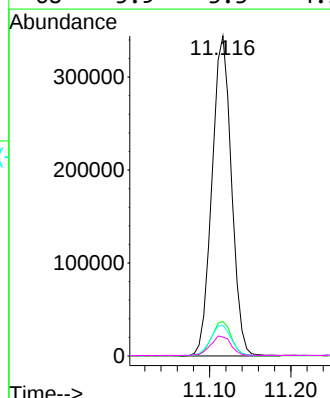
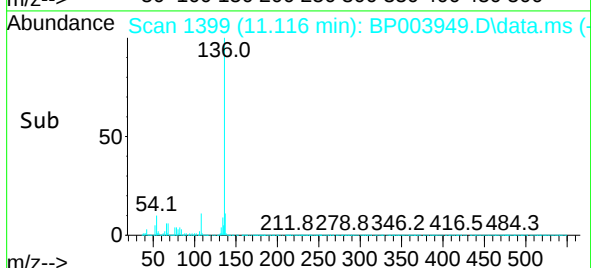
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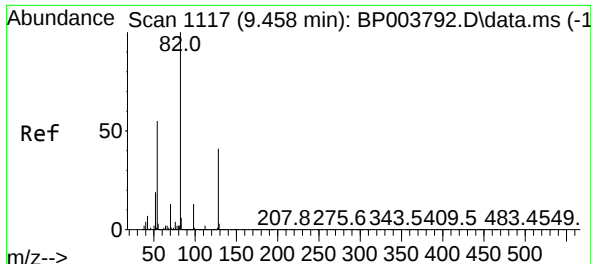


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.116 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06



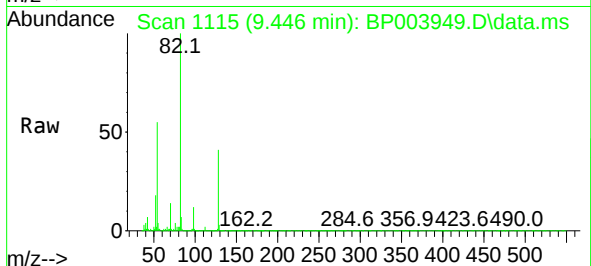
Tgt Ion: 136 Resp: 573761
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.6 3.6 5.4#
68 5.9 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 29.84 ng
RT: 9.446 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

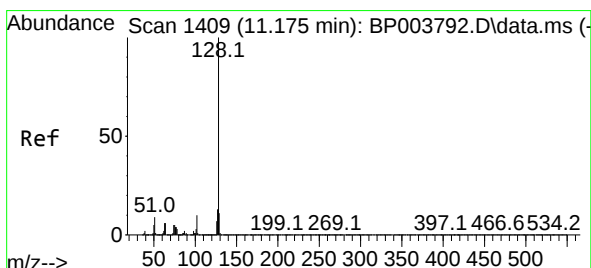
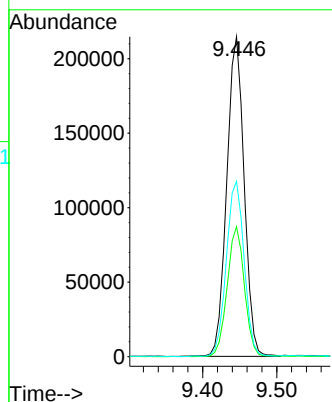
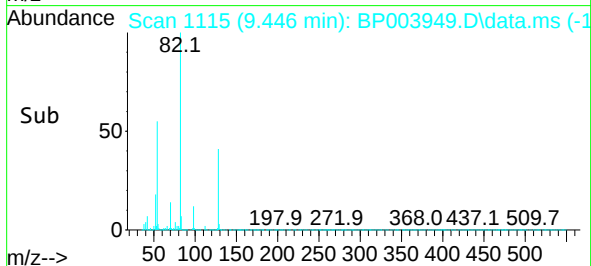
Instrument :
BNA_P
ClientSampled :
SU-03-111120



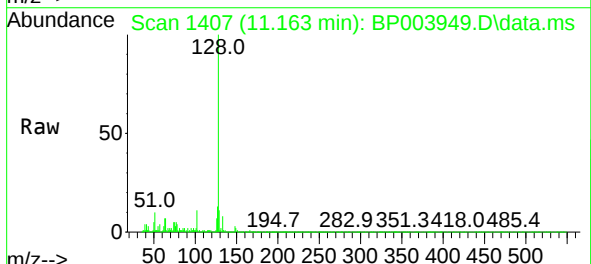
Tgt Ion: 82 Resp: 349622
Ion Ratio Lower Upper
82 100
128 40.6 45.6 68.4#
54 54.8 30.1 45.1#

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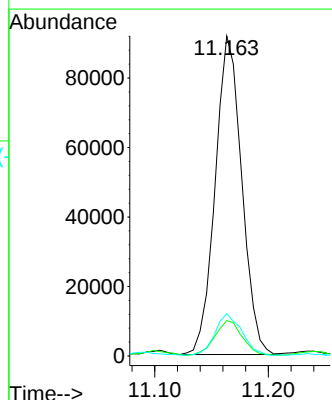
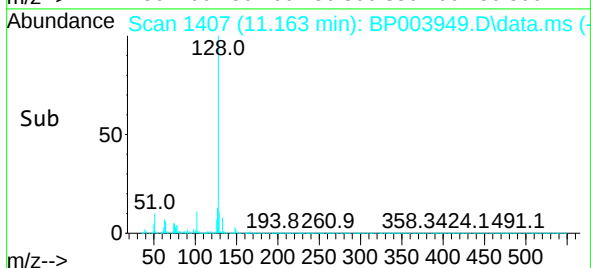
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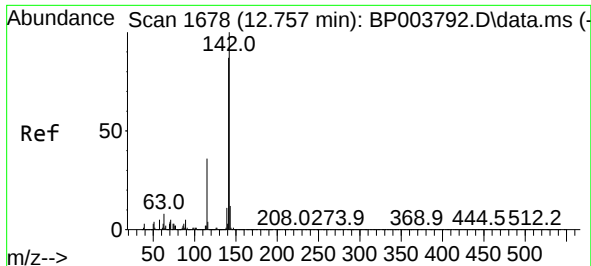


#31
Naphthalene
Concen: 4.84 ng
RT: 11.163 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06



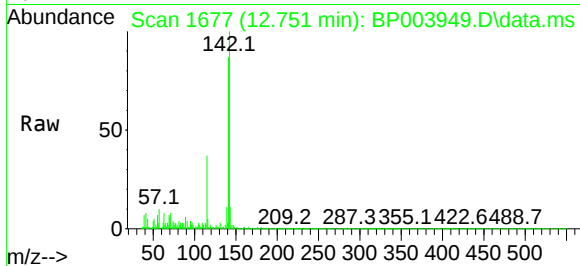
Tgt Ion: 128 Resp: 148942
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.3 10.6 15.8





#37
2-Methylnaphthalene
Concen: 4.88 ng
RT: 12.751 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

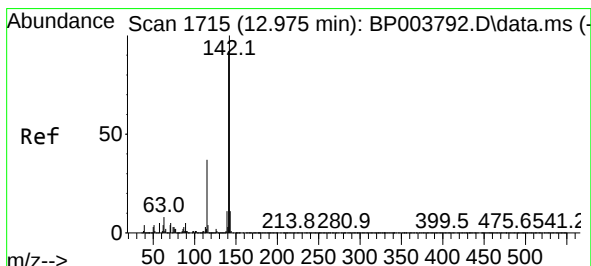
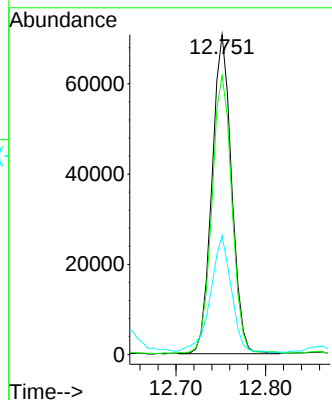
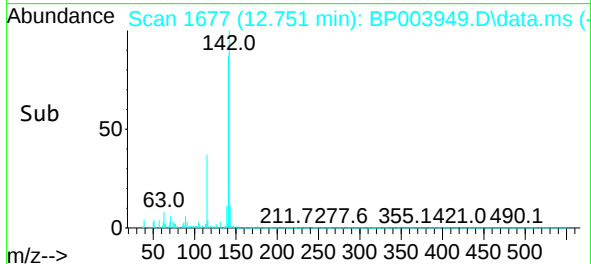
Instrument :
BNA_P
ClientSampleId :
SU-03-111120



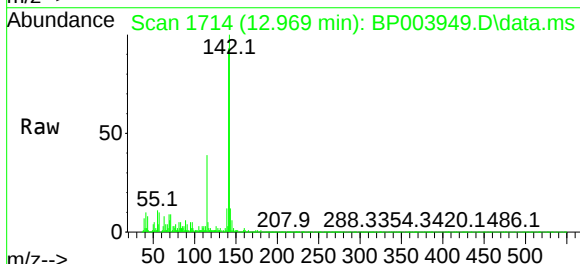
Tgt Ion:142 Resp: 107416
Ion Ratio Lower Upper
142 100
141 87.2 71.4 107.2
115 37.2 25.8 38.6

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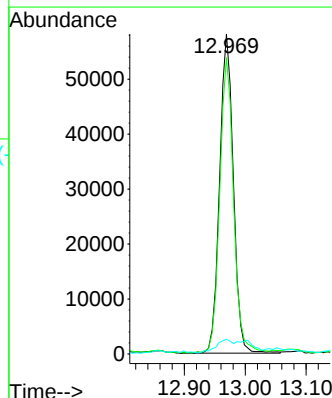
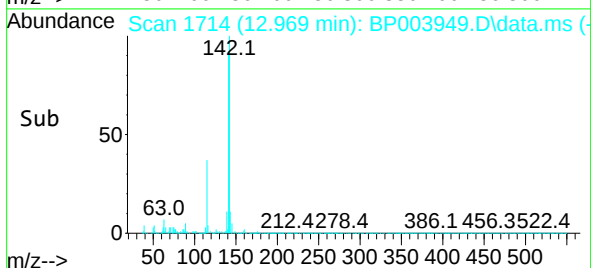
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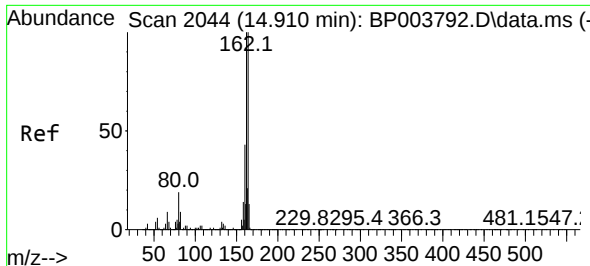


#38
1-Methylnaphthalene
Concen: 4.32 ng
RT: 12.969 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06



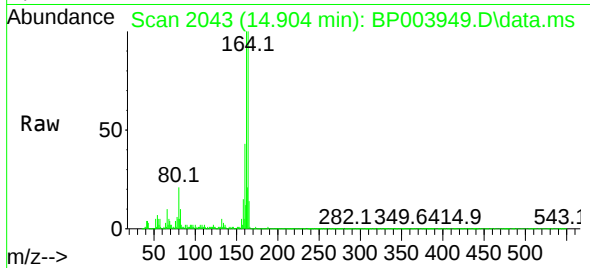
Tgt Ion:142 Resp: 90868
Ion Ratio Lower Upper
142 100
141 92.6 74.4 111.6
116 4.6 2.9 4.3#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.904 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

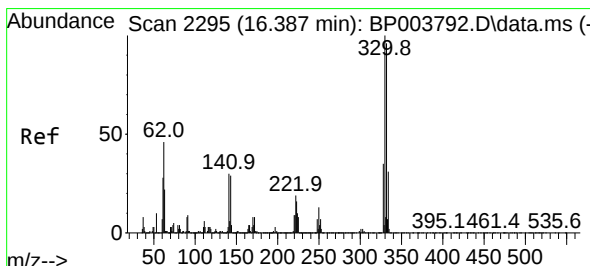
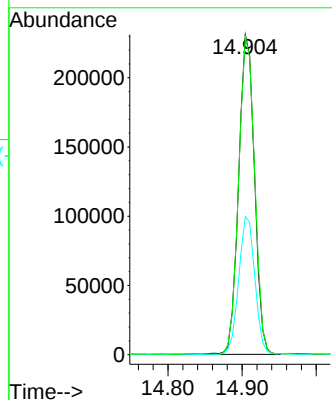
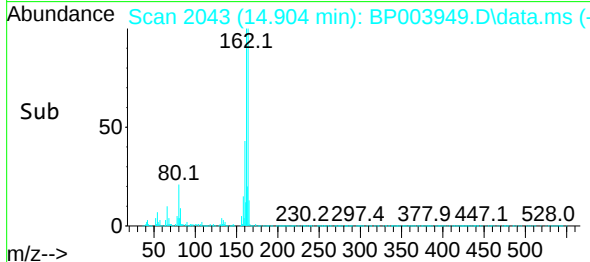
Instrument :
BNA_P
ClientSampleId :
SU-03-111120



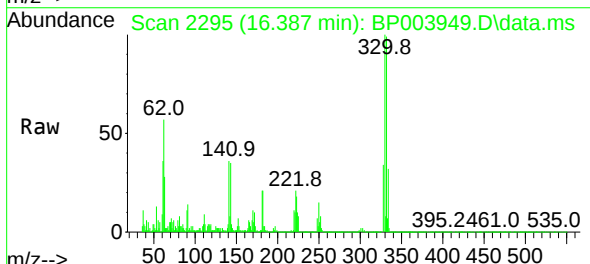
Tgt Ion:164 Resp: 342306
Ion Ratio Lower Upper
164 100
162 99.6 79.4 119.2
160 43.1 36.1 54.1

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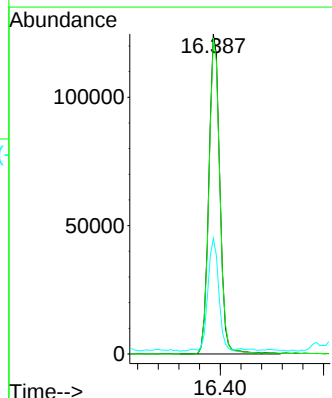
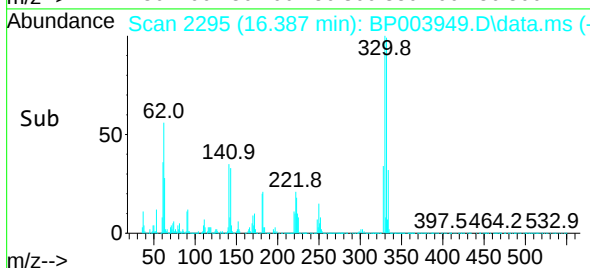
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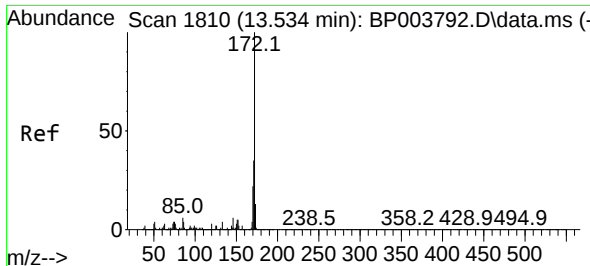


#42
2,4,6-Tribromophenol
Concen: 42.91 ng
RT: 16.387 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06



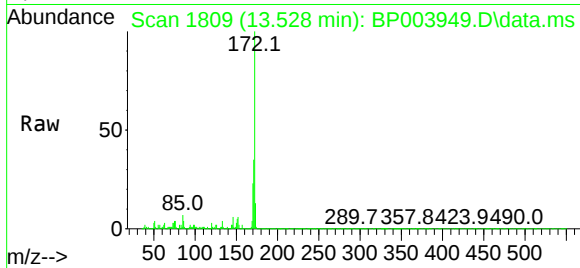
Tgt Ion:330 Resp: 183709
Ion Ratio Lower Upper
330 100
332 98.6 77.1 115.7
141 35.0 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 30.67 ng
RT: 13.528 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

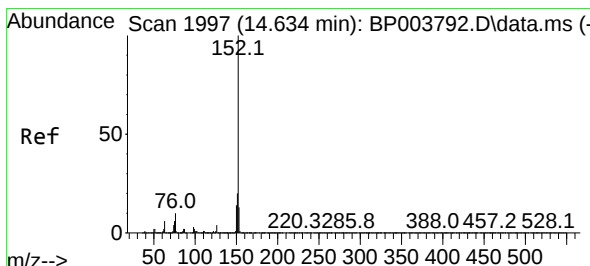
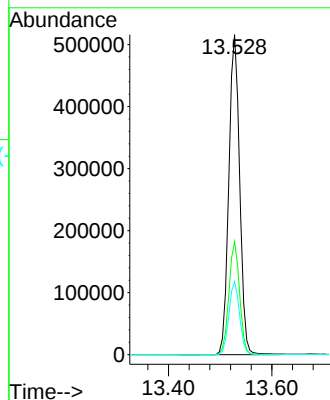
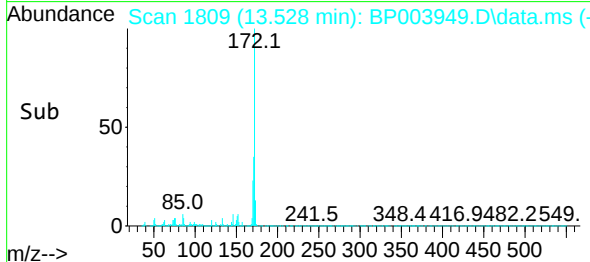
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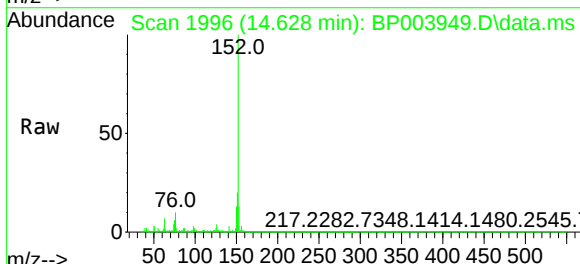
Tgt Ion:172 Resp: 751010
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 22.9 19.2 28.8

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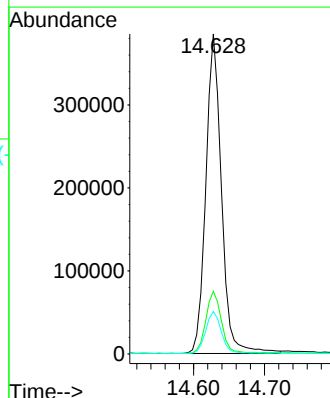
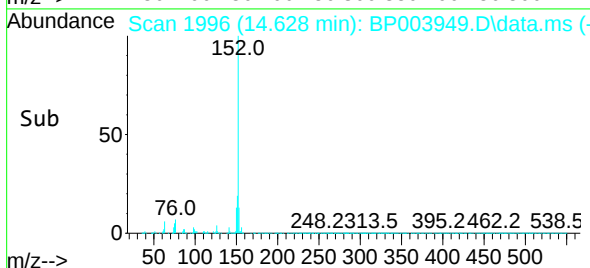
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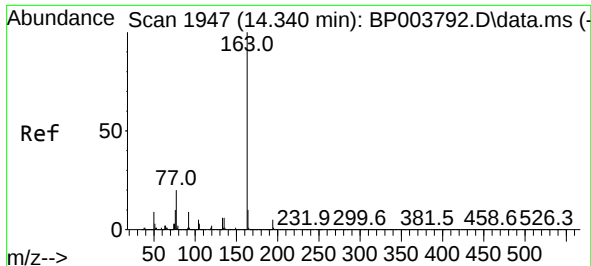


#49
Acenaphthylene
Concen: 18.46 ng
RT: 14.628 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06



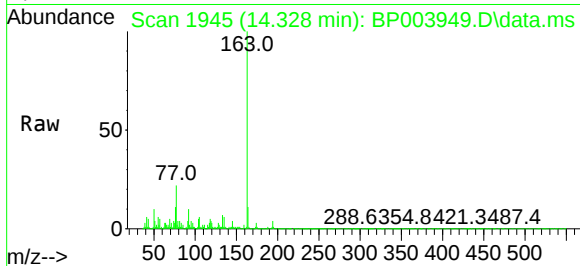
Tgt Ion:152 Resp: 590910
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.2 10.5 15.7





#50
Dimethylphthalate
Concen: 5.62 ng
RT: 14.328 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

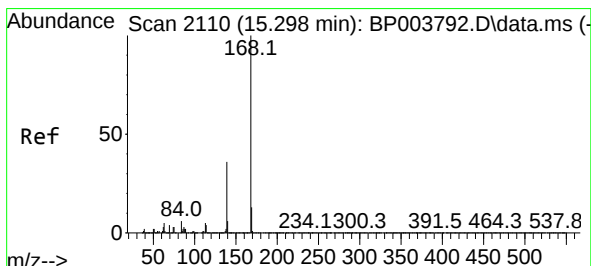
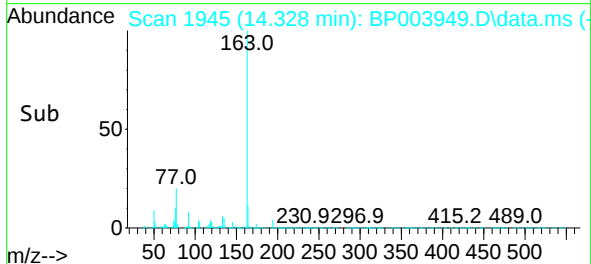
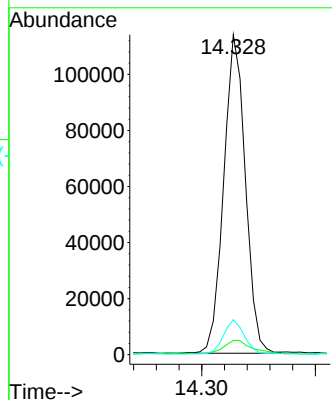
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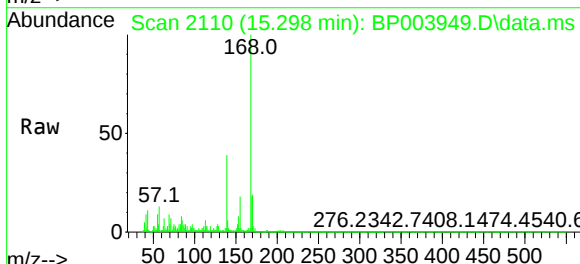
Tgt Ion:163 Resp: 150344
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 11.0 8.2 12.2

Manual Integrations
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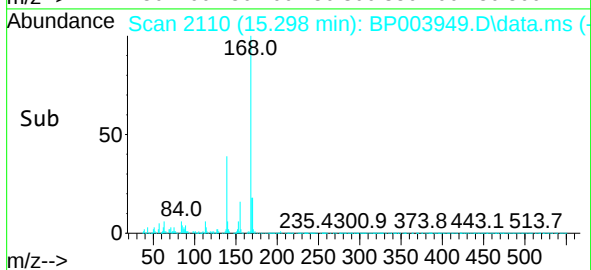
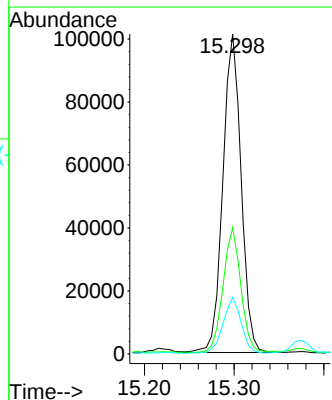
mohammad
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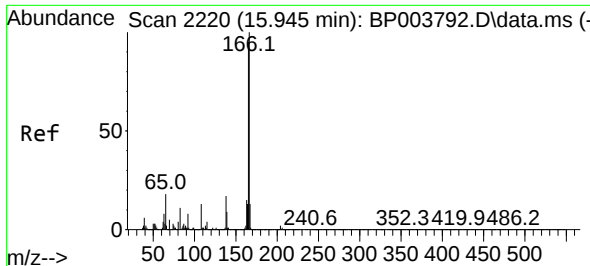


#55
Dibenzofuran
Concen: 4.52 ng
RT: 15.298 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06



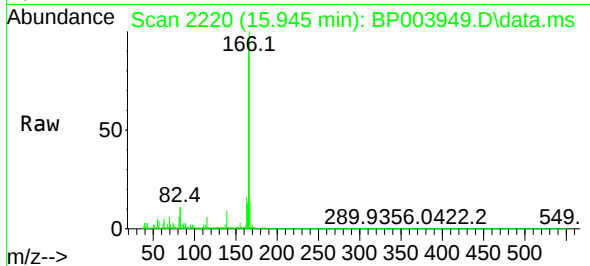
Tgt Ion:168 Resp: 143100
Ion Ratio Lower Upper
168 100
139 39.5 29.1 43.7
169 17.7 10.4 15.6#





#58
Fluorene
Concen: 11.17 ng
RT: 15.945 min Scan# 2220
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

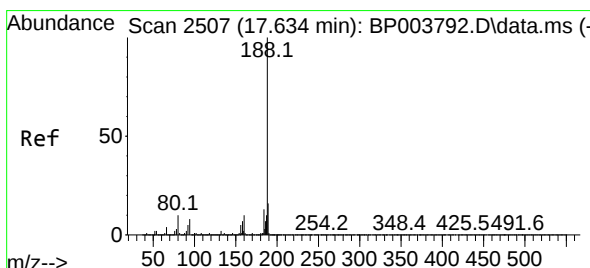
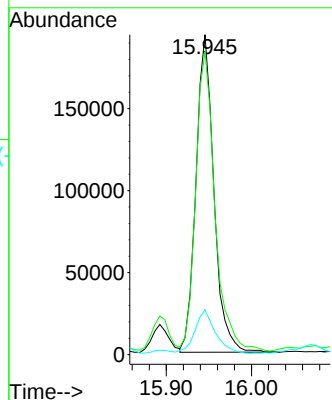
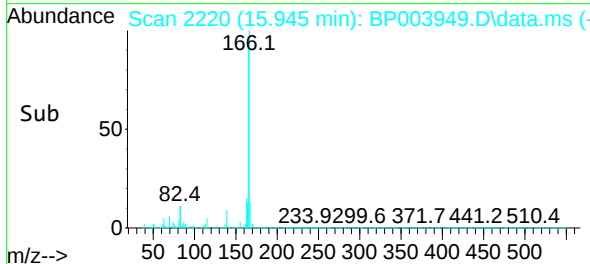
Instrument :
BNA_P
ClientSampleId :
SU-03-111120



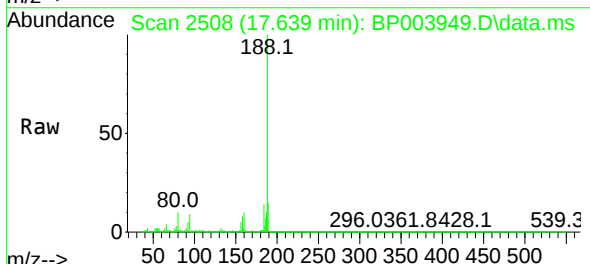
Tgt Ion:166 Resp: 283335
Ion Ratio Lower Upper
166 100
165 94.6 77.8 116.8
167 14.0 11.0 16.4

Manual Integrations
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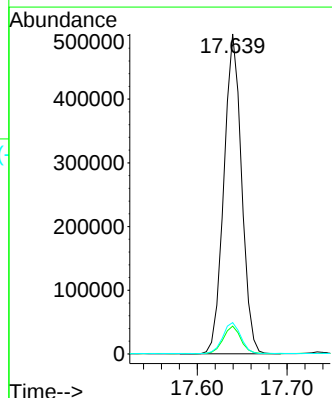
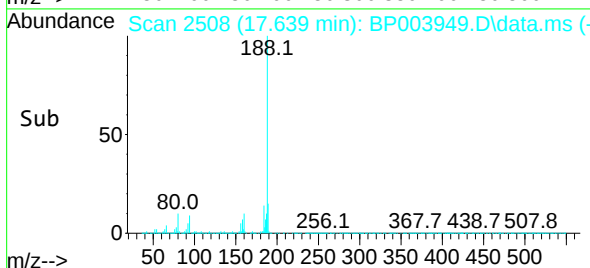
mohammad
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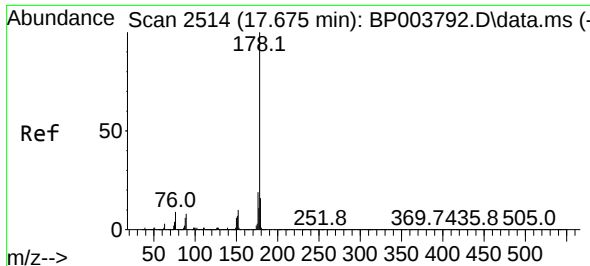


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.639 min Scan# 2508
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06



Tgt Ion:188 Resp: 687831
Ion Ratio Lower Upper
188 100
94 8.7 6.2 9.2
80 9.8 6.2 9.2#





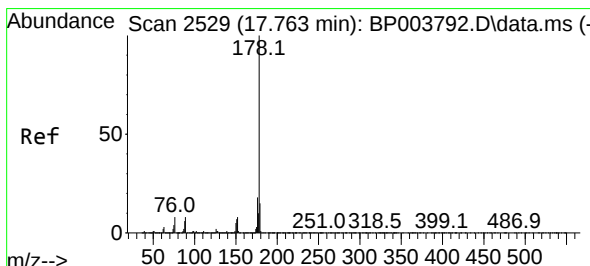
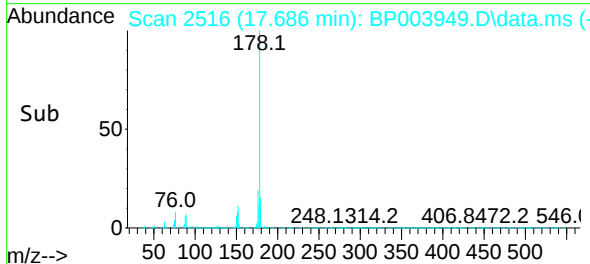
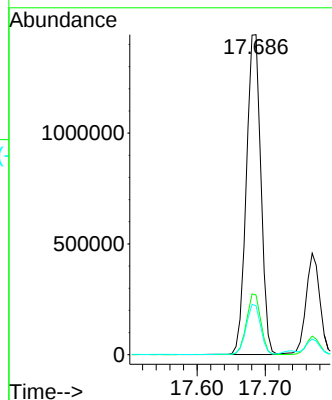
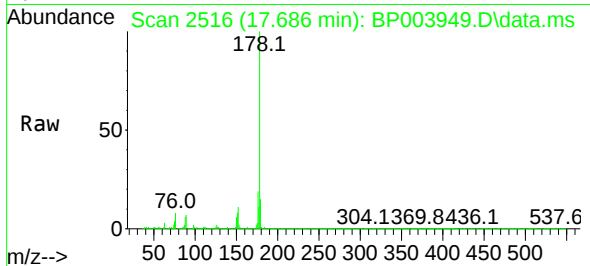
#71
Phenanthrene
Concen: 55.10 ng
RT: 17.686 min Scan# 2516
Delta R.T. 0.006 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

Tgt Ion:178 Resp: 2126882
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.3 12.5 18.7

Instrument :
BNA_P
ClientSampleId :
SU-03-111120

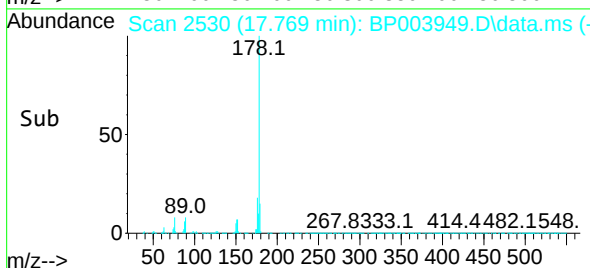
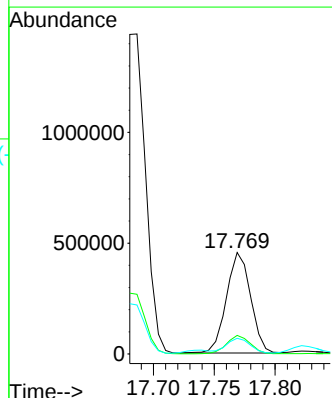
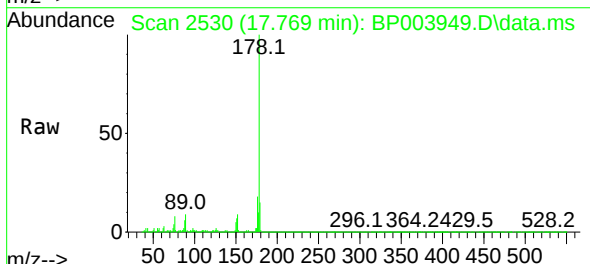
Manual Integrations
APPROVED

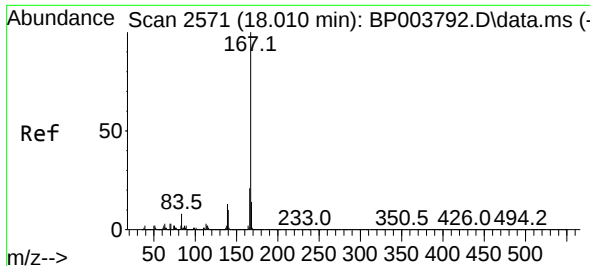
mohammad
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#72
Anthracene
Concen: 16.84 ng
RT: 17.769 min Scan# 2530
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

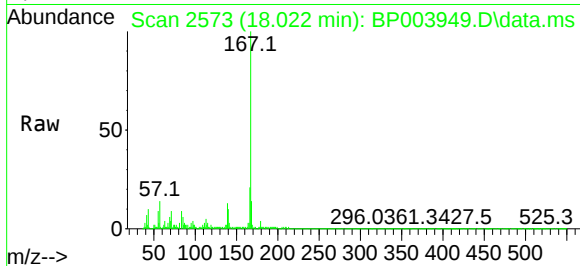
Tgt Ion:178 Resp: 627908
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 15.5 12.5 18.7





#73
 Carbazole
 Concen: 5.69 ng
 RT: 18.022 min Scan# 2573
 Delta R.T. 0.000 min
 Lab File: BP003949.D
 Acq: 12 Nov 2020 21:06

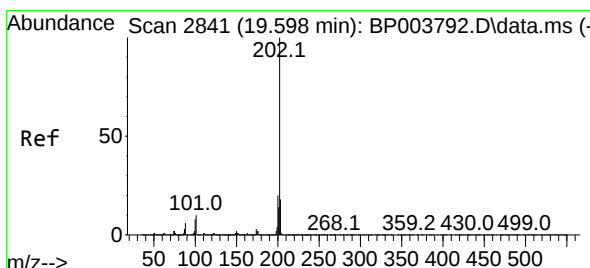
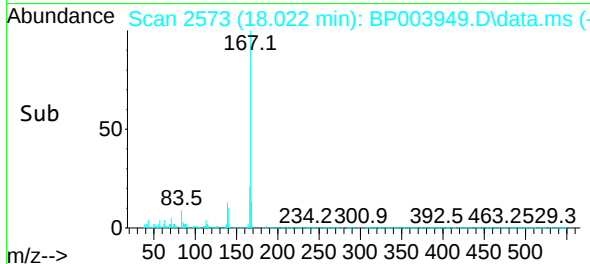
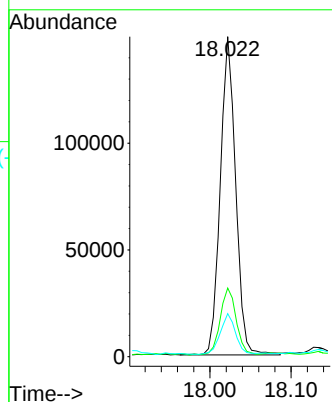
Instrument :
 BNA_P
 ClientSampleId :
 SU-03-111120



Tgt Ion:167 Resp: 196743
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.6 26.4
 139 13.5 10.2 15.4

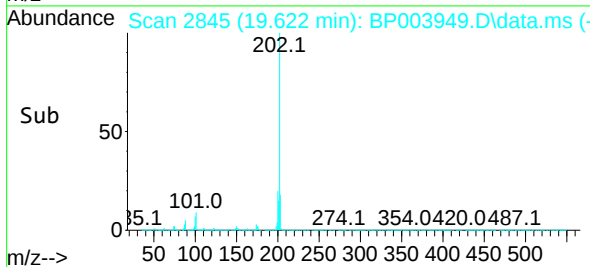
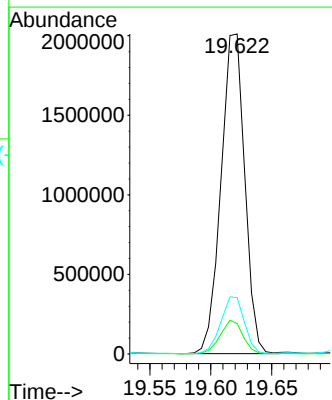
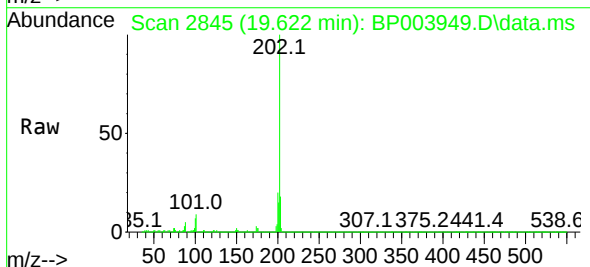
Manual Integrations
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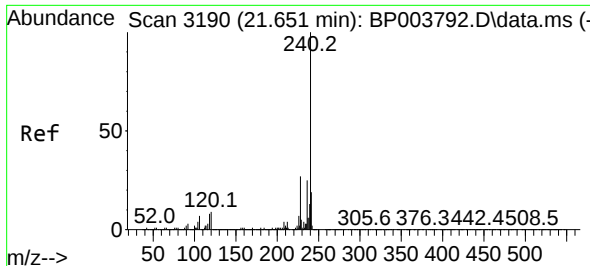
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#75
 Fluoranthene
 Concen: 61.17 ng
 RT: 19.622 min Scan# 2845
 Delta R.T. 0.006 min
 Lab File: BP003949.D
 Acq: 12 Nov 2020 21:06

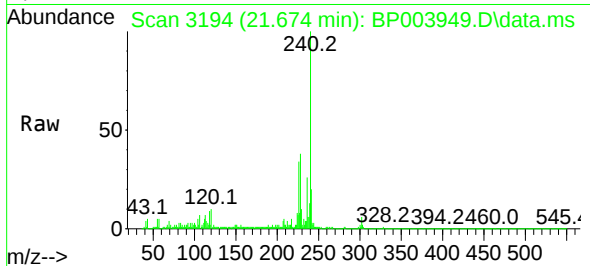
Tgt Ion:202 Resp: 2724478
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 29.4
 203 17.6 0.0 37.8





#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.674 min Scan# 3194
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

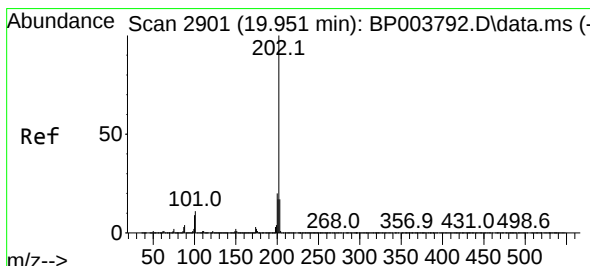
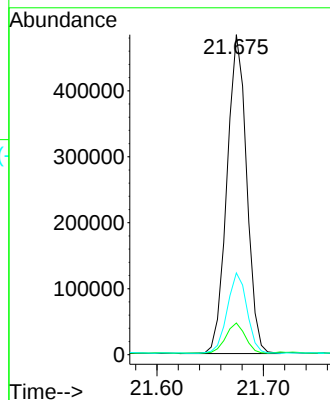
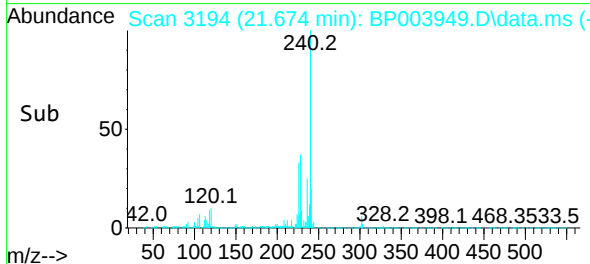
Instrument :
BNA_P
ClientSampleId :
SU-03-111120



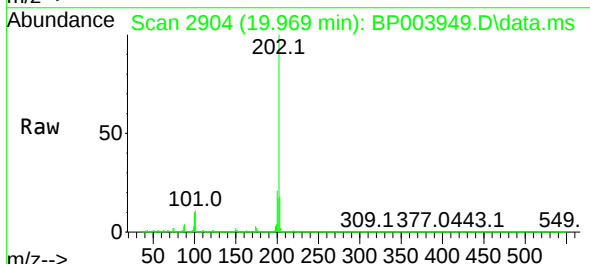
Tgt Ion:240 Resp: 619851
Ion Ratio Lower Upper
240 100
120 9.9 7.8 11.6
236 25.5 20.8 31.2

Manual Integrations
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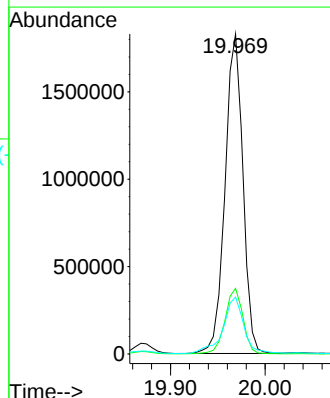
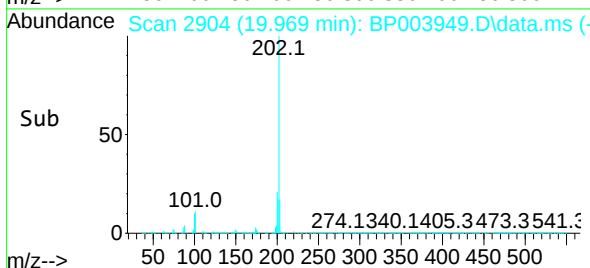
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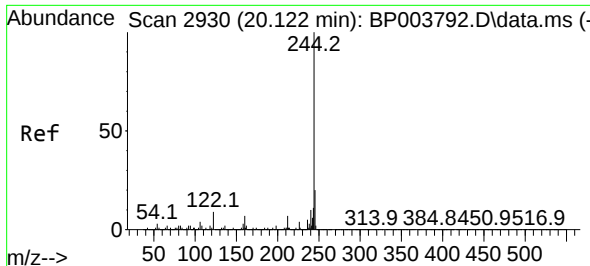


#78
Pyrene
Concen: 56.95 ng
RT: 19.969 min Scan# 2904
Delta R.T. 0.006 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06



Tgt Ion:202 Resp: 2395680
Ion Ratio Lower Upper
202 100
200 20.5 17.1 25.7
203 17.8 14.2 21.2





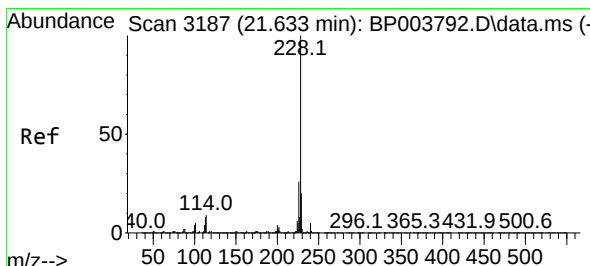
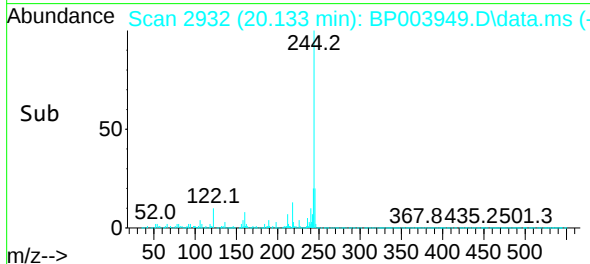
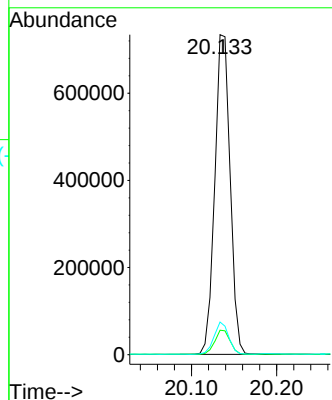
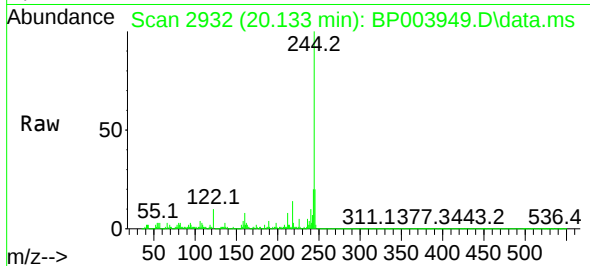
#79
Terphenyl-d14
Concen: 28.76 ng
RT: 20.133 min Scan# 2932
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

Tgt Ion:244 Resp: 922802
Ion Ratio Lower Upper
244 100
212 7.7 5.8 8.6
122 10.2 7.8 11.8

Instrument :
BNA_P
ClientSampleId :
SU-03-111120

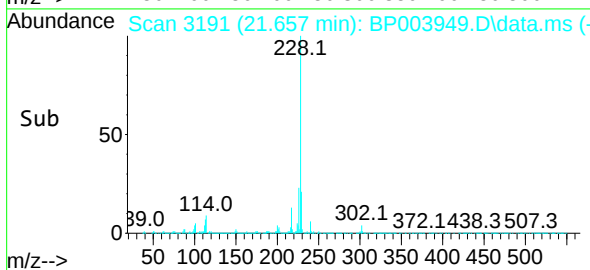
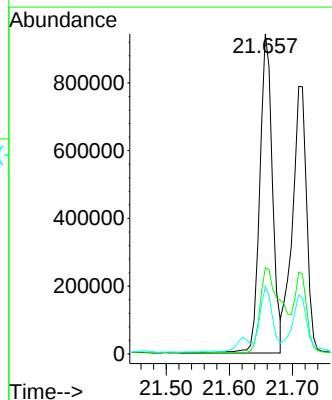
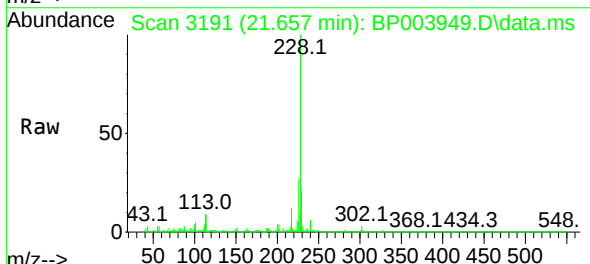
Manual Integrations
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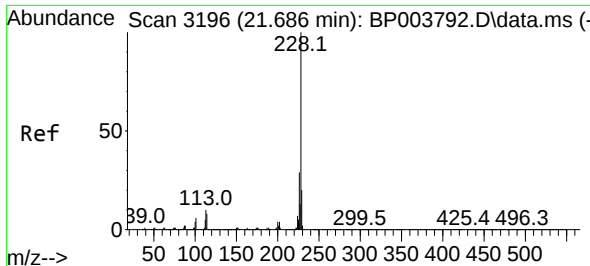
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#81
Benzo(a)anthracene
Concen: 32.15 ng
RT: 21.657 min Scan# 3191
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

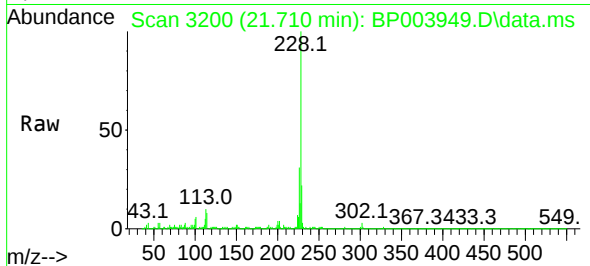
Tgt Ion:228 Resp: 1314125
Ion Ratio Lower Upper
228 100
226 27.0 22.1 33.1
229 21.0 15.9 23.9





#83
Chrysene
Concen: 31.54 ng
RT: 21.710 min Scan# 3200
Delta R.T. -0.006 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

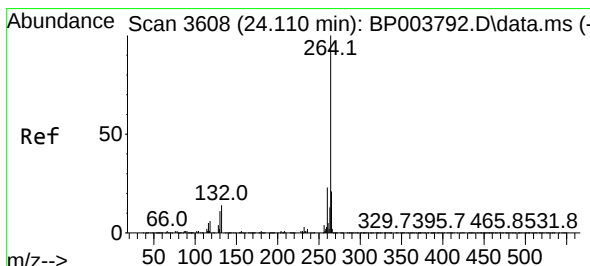
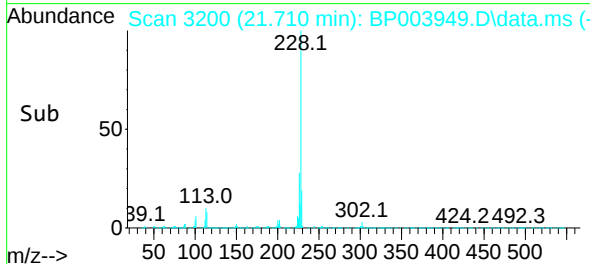
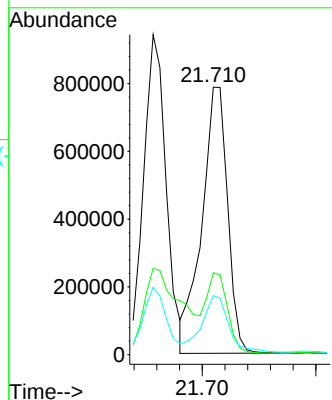
Instrument :
BNA_P
ClientSampleId :
SU-03-111120



Tgt Ion:228 Resp: 1238635
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.1 15.8 23.6

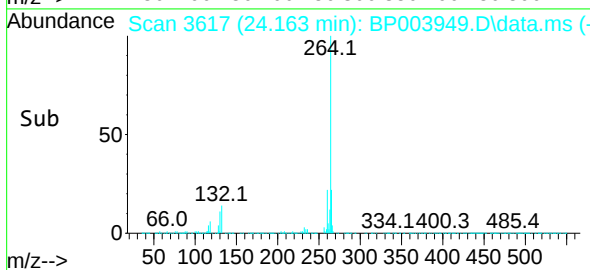
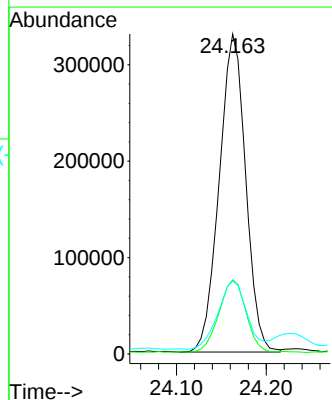
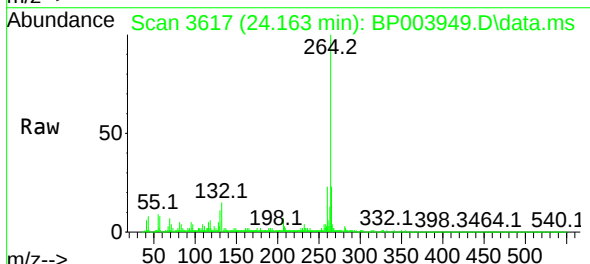
Manual Integrations
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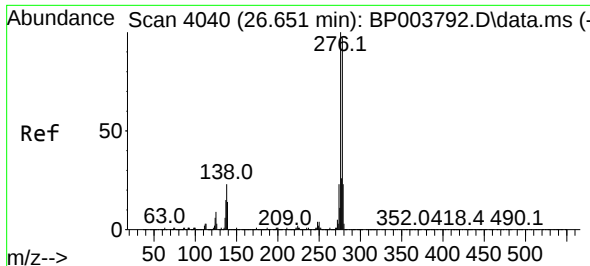
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 24.163 min Scan# 3617
Delta R.T. 0.006 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

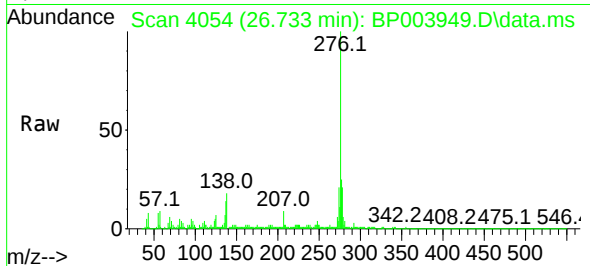
Tgt Ion:264 Resp: 674592
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 22.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 18.15 ng
RT: 26.733 min Scan# 4054
Delta R.T. 0.006 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

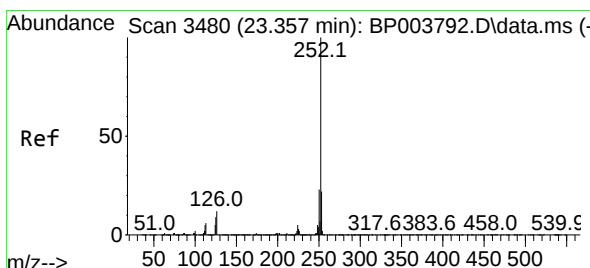
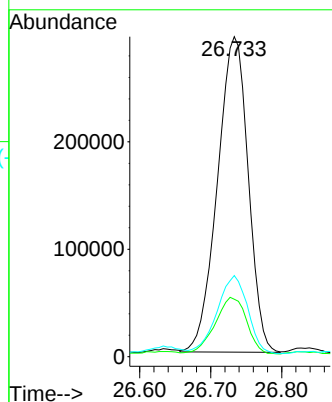
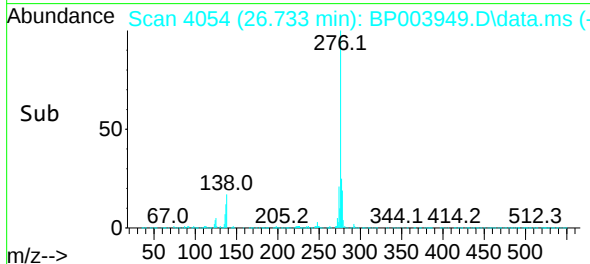
Instrument :
BNA_P
ClientSampled :
SU-03-111120



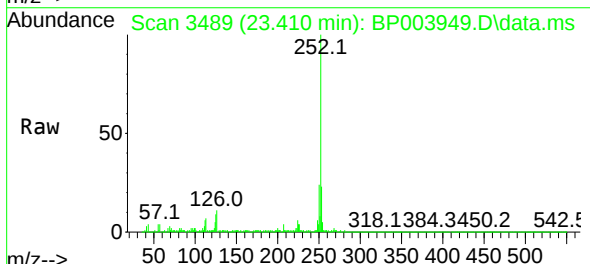
Tgt Ion: 276 Resp: 883491
Ion Ratio Lower Upper
276 100
138 18.5 18.7 28.1#
277 24.6 20.4 30.6

Manual Integrations
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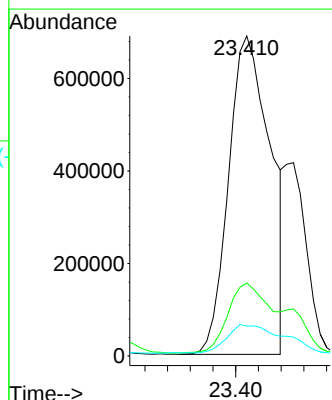
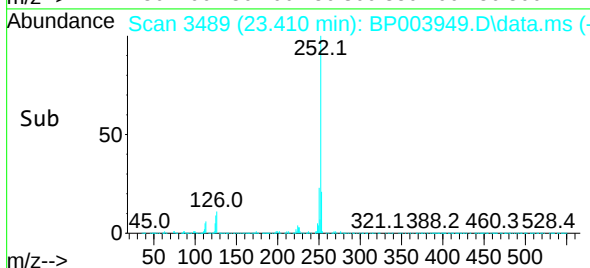
mohammad
11/18/2020 1:55:24 PM

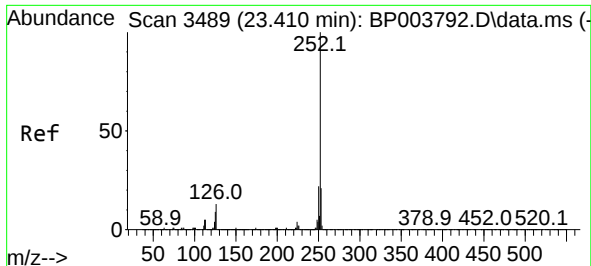


#88
Benzo(b)fluoranthene
Concen: 39.89 ng m
RT: 23.410 min Scan# 3489
Delta R.T. 0.006 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06



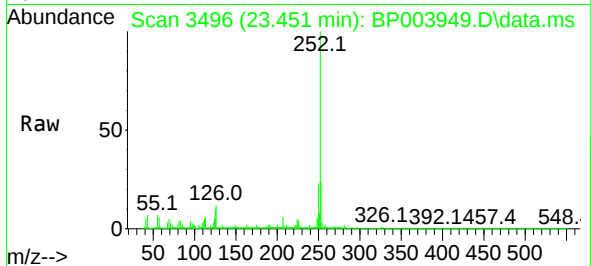
Tgt Ion: 252 Resp: 1760835
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 9.3 7.3 10.9





#89
Benzo(k)fluoranthene
Concen: 12.78 ng m
RT: 23.451 min Scan# 3496
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

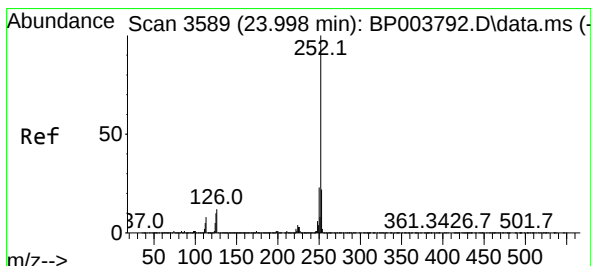
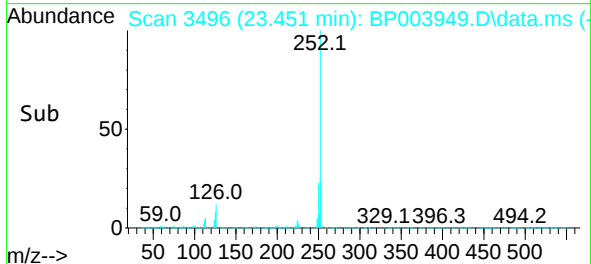
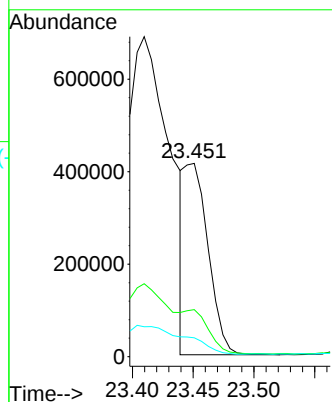
Instrument :
BNA_P
ClientSampleId :
SU-03-111120



Tgt Ion:252 Resp: 557167
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 9.8 7.4 11.2

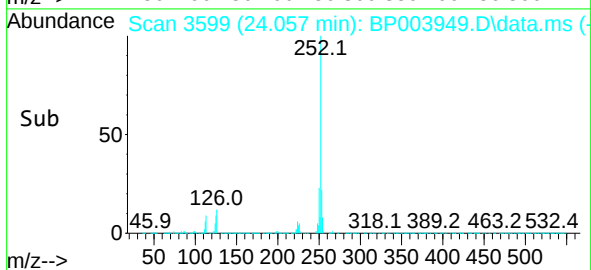
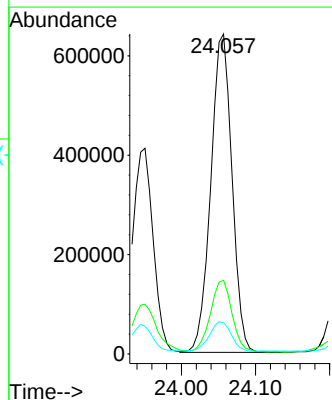
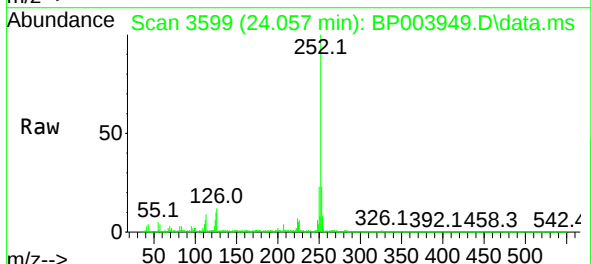
Manual Integrations
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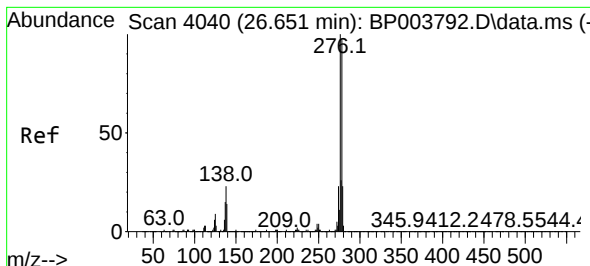
mohammad
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#90
Benzo(a)pyrene
Concen: 31.09 ng
RT: 24.057 min Scan# 3599
Delta R.T. 0.006 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

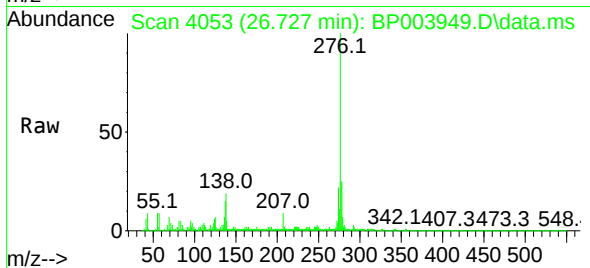
Tgt Ion:252 Resp: 1270695
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 9.7 8.2 12.4





#91
Dibenzo(a,h)anthracene
Concen: 5.64 ng
RT: 26.727 min Scan# 4053
Delta R.T. 0.000 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06

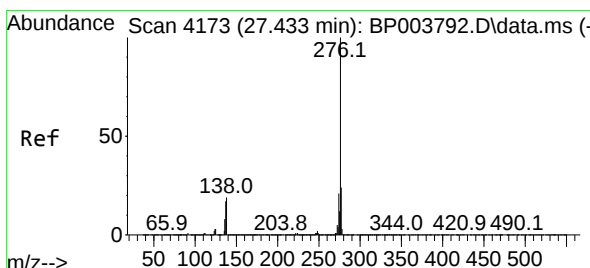
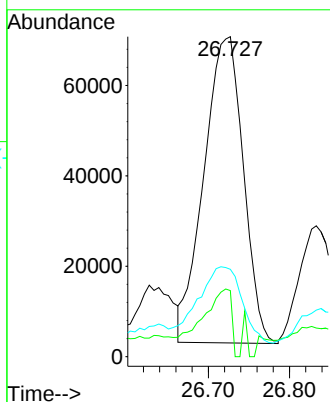
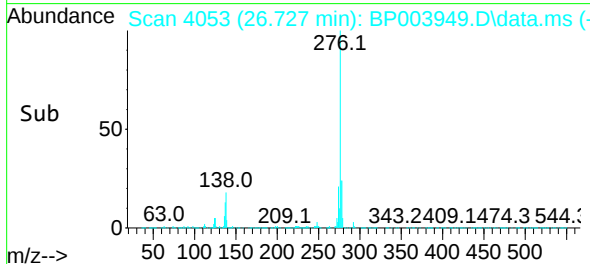
Instrument :
BNA_P
ClientSampleId :
SU-03-111120



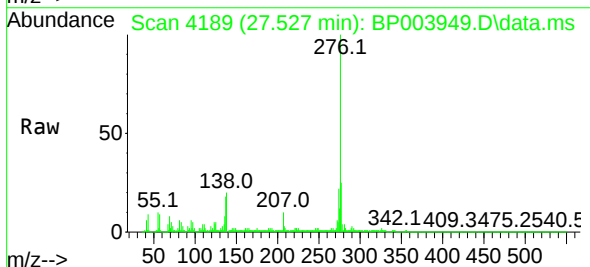
Tgt Ion:278 Resp: 228622
Ion Ratio Lower Upper
278 100
139 20.6 12.4 18.6#
279 27.3 19.0 28.6

Manual Integrations
APPROVED

mohammad
11/18/2020 1:55:24 PM



#92
Benzo(g,h,i)perylene
Concen: 20.81 ng
RT: 27.527 min Scan# 4189
Delta R.T. 0.006 min
Lab File: BP003949.D
Acq: 12 Nov 2020 21:06



Tgt Ion:276 Resp: 817086
Ion Ratio Lower Upper
276 100
277 25.2 19.0 28.6
138 19.5 16.6 24.8

