

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112320\
 Data File : BP004066.D
 Acq On : 23 Nov 2020 21:20
 Operator : CG/JU
 Sample : L4858-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PHC-340EM-013

Manual Integrations
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Quant Time: Nov 24 06:24:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 23 16:42:41 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.269	152	119385	20.00	ng	0.00
21) Naphthalene-d8	11.099	136	456686	20.00	ng	# 0.00
39) Acenaphthene-d10	14.887	164	274073	20.00	ng	0.00
64) Phenanthrene-d10	17.622	188	554769	20.00	ng	# 0.00
76) Chrysene-d12	21.663	240	511297	20.00	ng	0.00
86) Perylene-d12	24.139	264	524744	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.805	112	826131	115.49	ng	0.00
7) Phenol-d6	7.458	99	1064099	103.63	ng	0.00
23) Nitrobenzene-d5	9.434	82	664428	71.25	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	364582	106.36	ng	0.00
45) 2-Fluorobiphenyl	13.510	172	1298728	66.25	ng	0.00
79) Terphenyl-d14	20.122	244	1428512	53.98	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.481	94	97096	9.80	ng	74
27) 2,4-Dimethylphenol	10.275	122	25170	4.17	ng	# 86
31) Naphthalene	11.146	128	235654	9.62	ng	99
37) 2-Methylnaphthalene	12.734	142	71466	4.08	ng	99
38) 1-Methylnaphthalene	12.951	142	53696	3.21	ng	# 99
49) Acenaphthylene	14.610	152	249567	9.74	ng	100
50) Dimethylphthalate	14.316	163	75739	3.54	ng	# 97
55) Dibenzofuran	15.281	168	60159	2.37	ng	# 90
58) Fluorene	15.928	166	123761	6.09	ng	99
71) Phenanthrene	17.669	178	1269035	40.76	ng	99
72) Anthracene	17.757	178	335415	11.15	ng	99
73) Carbazole	18.010	167	102122	3.66	ng	99
75) Fluoranthene	19.604	202	1507293	41.96	ng	99
78) Pyrene	19.951	202	1470487	42.38	ng	98
81) Benzo(a)anthracene	21.645	228	659212	19.55	ng	98
83) Chrysene	21.704	228	671997	20.74	ng	97
87) Indeno(1,2,3-cd)pyrene	26.692	276	328364	8.67	ng	# 94
88) Benzo(b)fluoranthene	23.392	252	680124m	19.81	ng	
89) Benzo(k)fluoranthene	23.427	252	204154m	6.02	ng	
90) Benzo(a)pyrene	24.033	252	510149	16.05	ng	97
91) Dibenzo(a,h)anthracene	26.686	278	94129	2.98	ng	# 89
92) Benzo(g,h,i)perylene	27.486	276	357351	11.70	ng	97

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

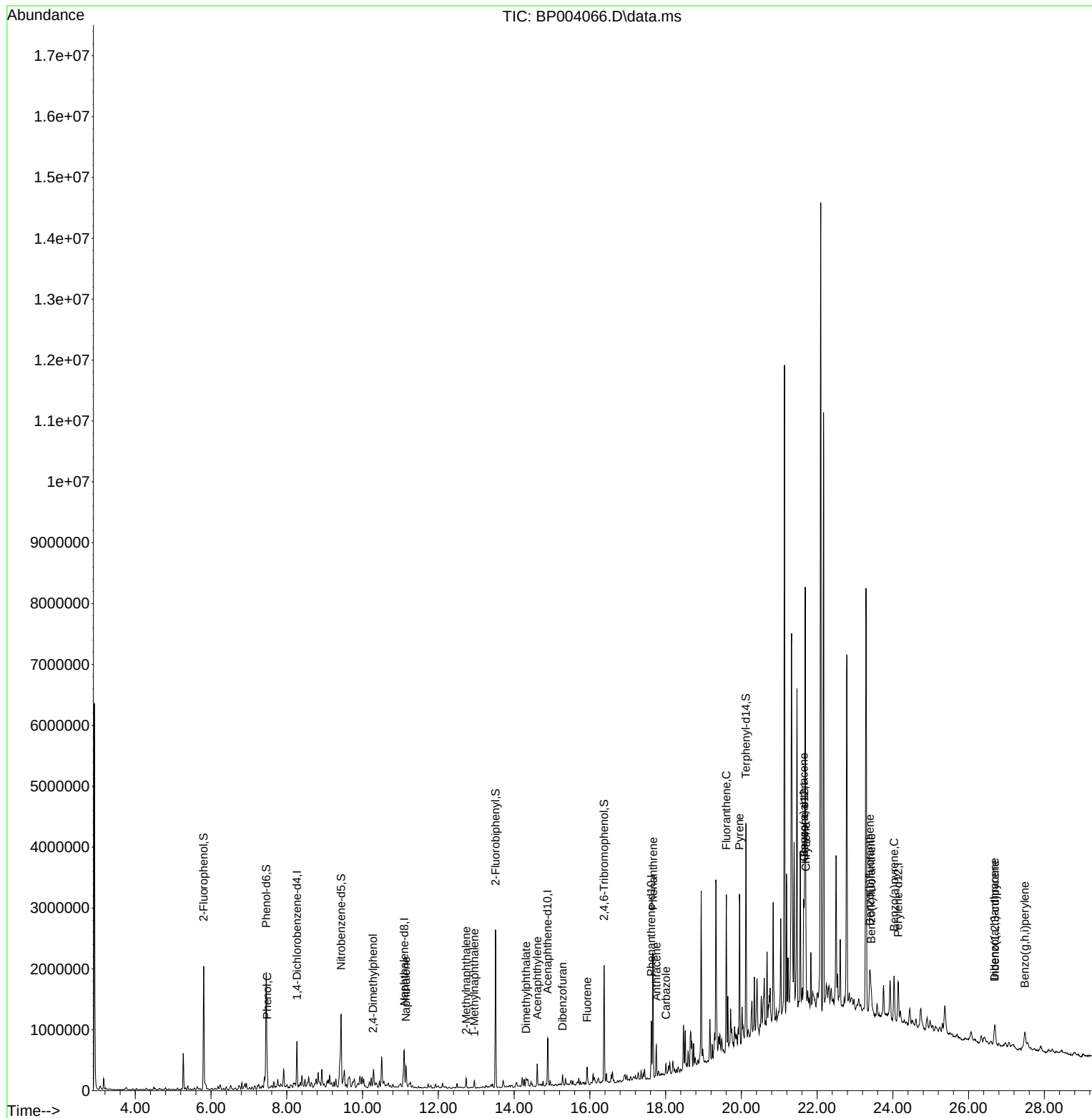
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112320\
Data File : BP004066.D
Acq On : 23 Nov 2020 21:20
Operator : CG/JU
Sample : L4858-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

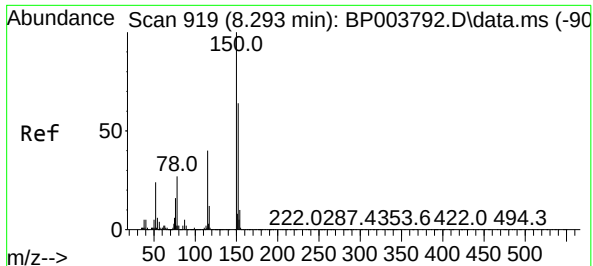
Instrument :
BNA_P
ClientSampleId :
PHC-340EM-013

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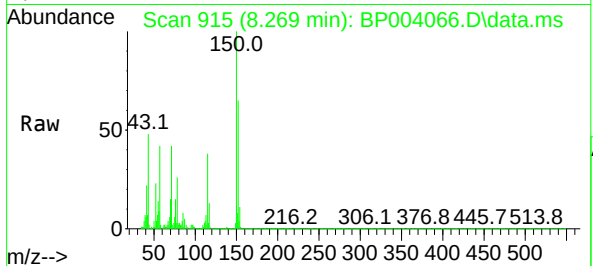
Quant Time: Nov 24 06:24:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 16:42:41 2020
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.269 min Scan# 915
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

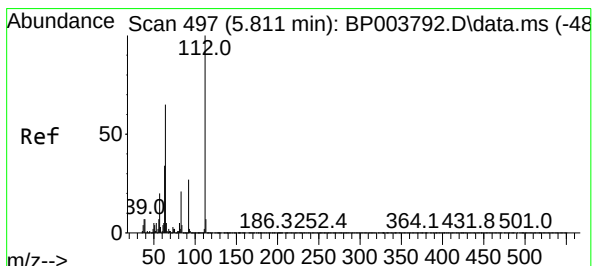
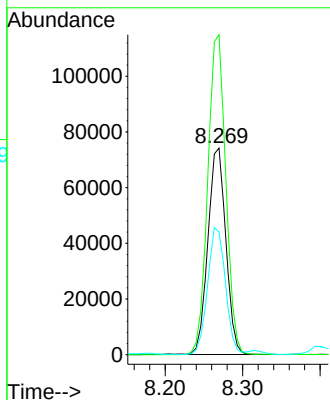
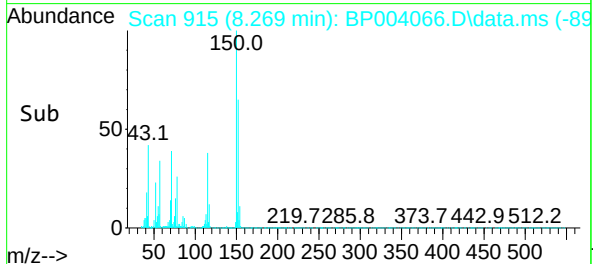
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BNA_P
ClientSampleId :
PHC-340EM-013



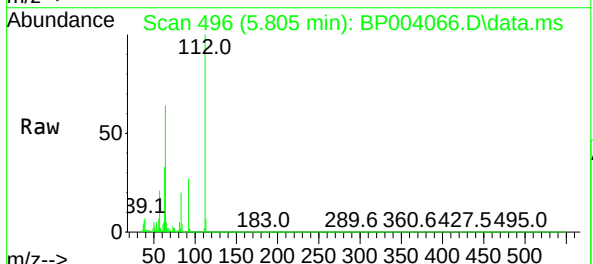
Tgt Ion:152 Resp: 119385
Ion Ratio Lower Upper
152 100
150 155.0 123.8 185.6
115 59.4 43.8 65.6

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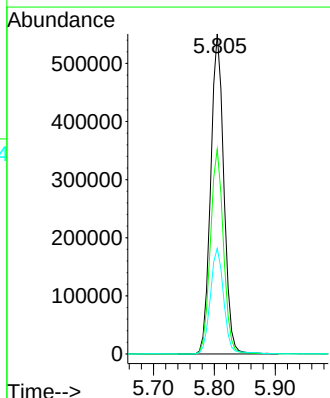
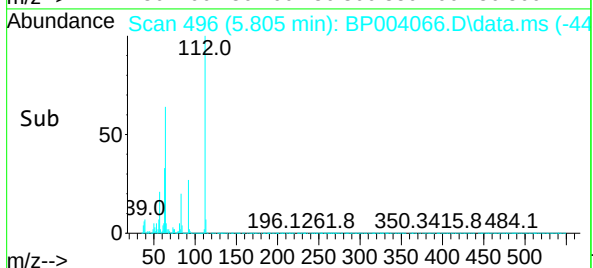
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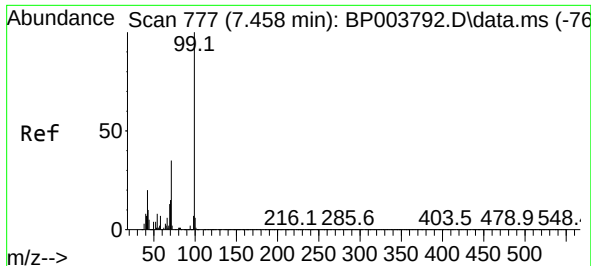


#5
2-Fluorophenol
Concen: 115.49 ng
RT: 5.805 min Scan# 496
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20



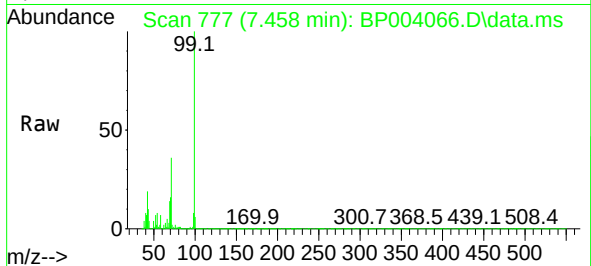
Tgt Ion:112 Resp: 826131
Ion Ratio Lower Upper
112 100
64 64.0 32.8 49.2#
63 33.0 17.0 25.4#





#7
Phenol-d6
Concen: 103.63 ng
RT: 7.458 min Scan# 777
Delta R.T. 0.006 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

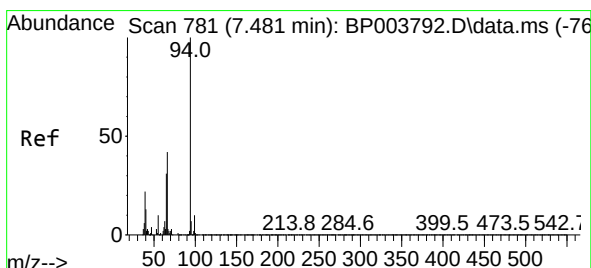
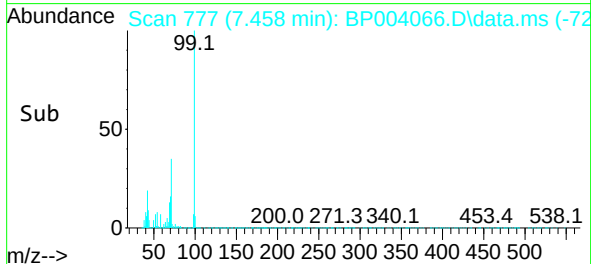
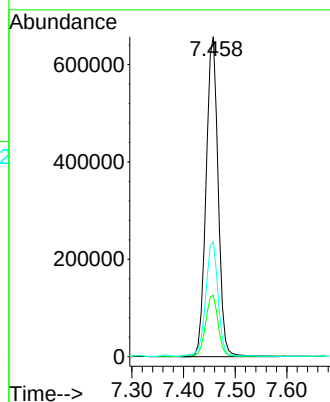
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BNA_P
ClientSampleId :
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Tgt Ion: 99 Resp: 1064099
Ion Ratio Lower Upper
99 100
42 19.2 8.6 13.0#
71 35.9 23.4 35.2#

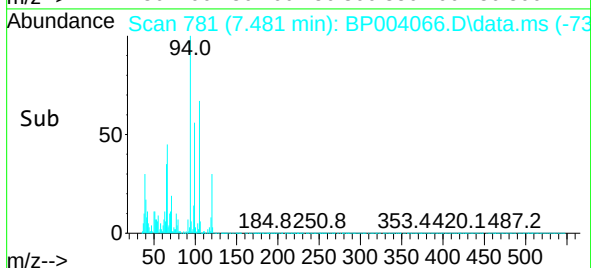
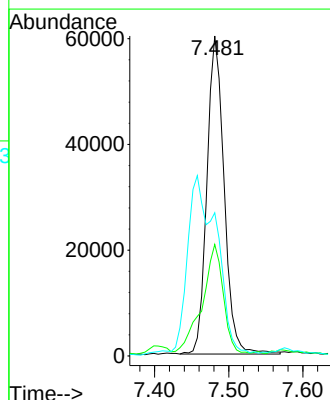
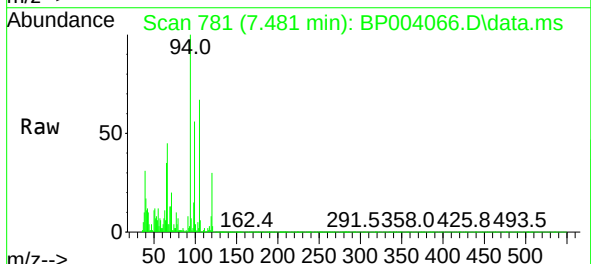
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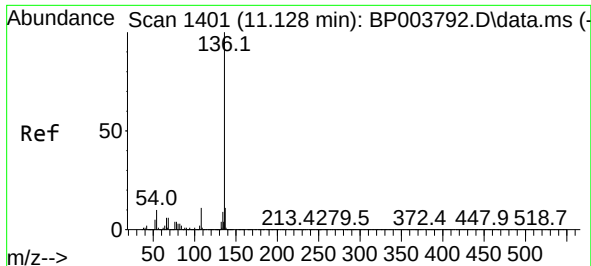
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#10
Phenol
Concen: 9.80 ng
RT: 7.481 min Scan# 781
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

Tgt Ion: 94 Resp: 97096
Ion Ratio Lower Upper
94 100
65 34.9 2.3 42.3
66 44.8 10.9 50.9





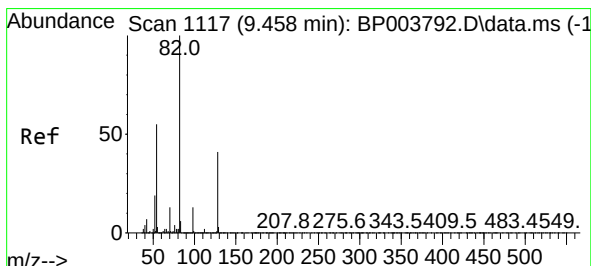
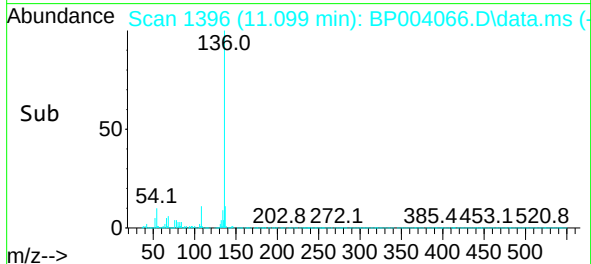
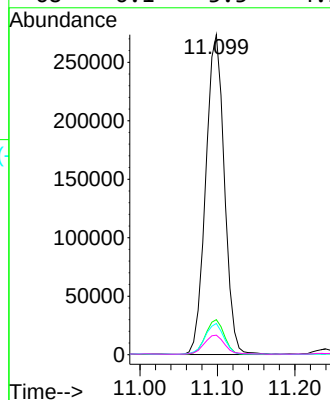
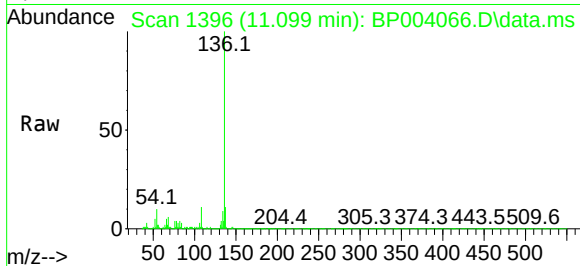
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.099 min Scan# 1396
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

Tgt Ion: 136 Resp: 456686
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.8 3.6 5.4#
68 6.1 3.3 4.9#

Instrument :
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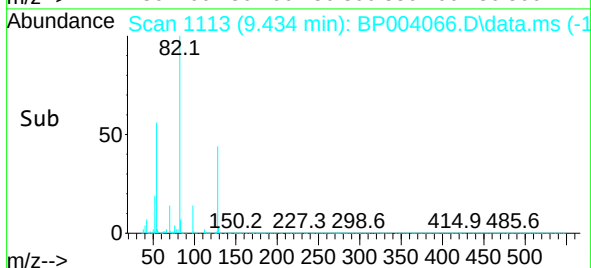
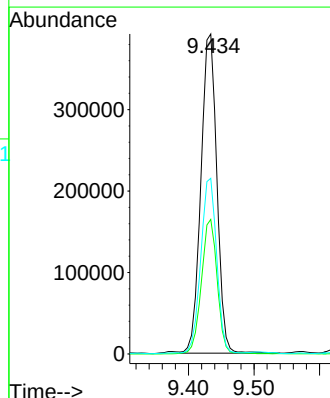
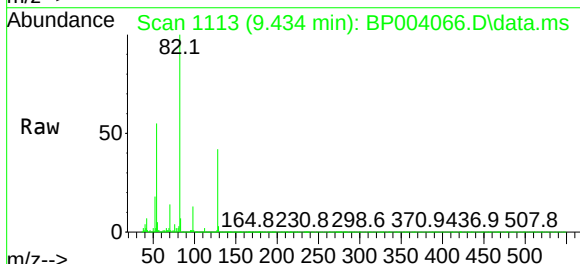
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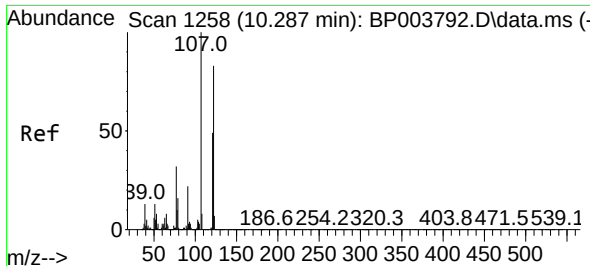
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#23
Nitrobenzene-d5
Concen: 71.25 ng
RT: 9.434 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

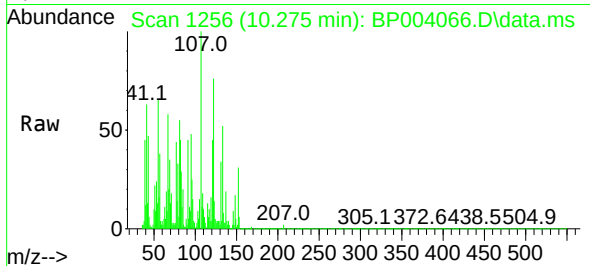
Tgt Ion: 82 Resp: 664428
Ion Ratio Lower Upper
82 100
128 42.1 45.6 68.4#
54 54.9 30.1 45.1#





#27
2,4-Dimethylphenol
Concen: 4.17 ng
RT: 10.275 min Scan# 1256
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

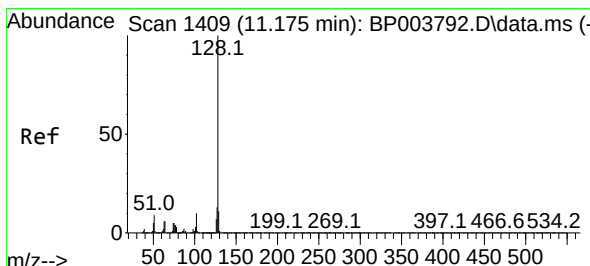
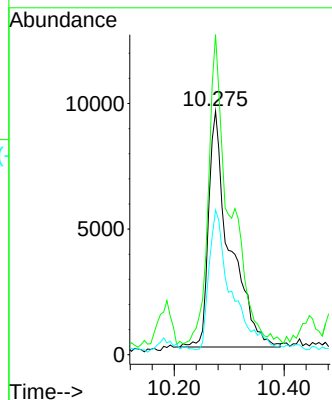
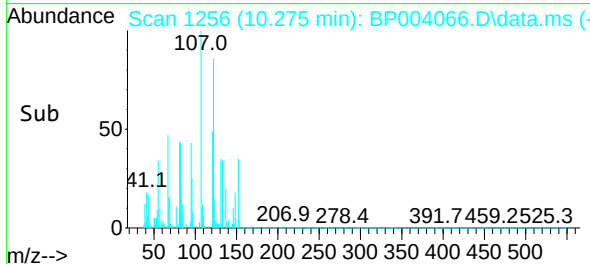
Instrument :
BNA_P
ClientSampleId :
PHC-340EM-013



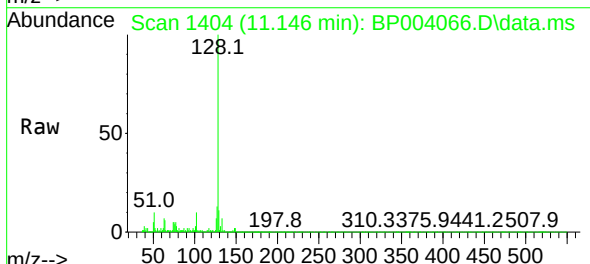
Tgt Ion:122 Resp: 25170
Ion Ratio Lower Upper
122 100
107 131.4 87.3 130.9#
121 59.4 47.3 70.9

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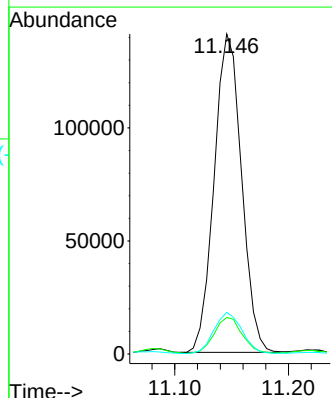
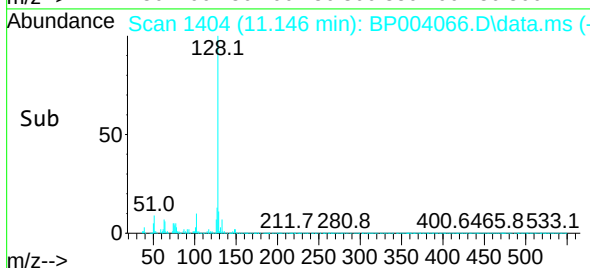
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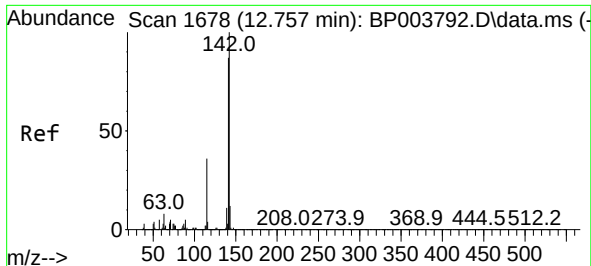


#31
Naphthalene
Concen: 9.62 ng
RT: 11.146 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20



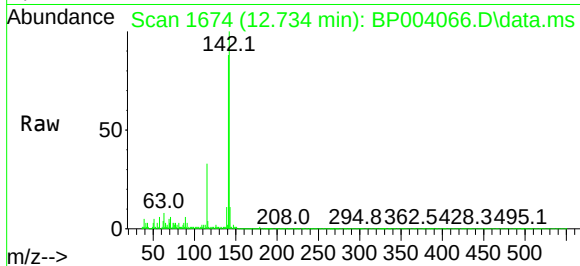
Tgt Ion:128 Resp: 235654
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.0 10.6 15.8





#37
2-Methylnaphthalene
Concen: 4.08 ng
RT: 12.734 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

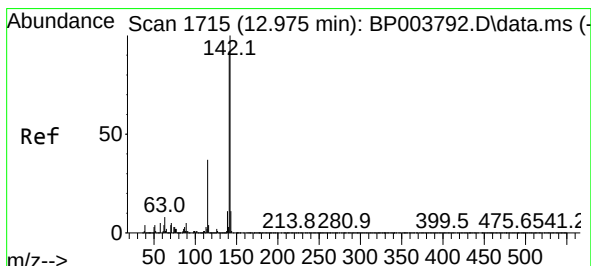
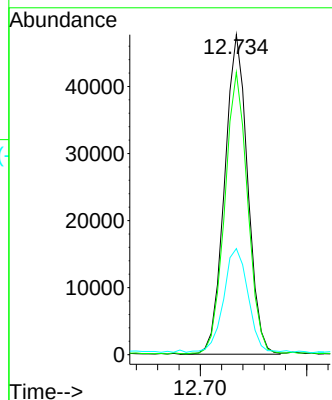
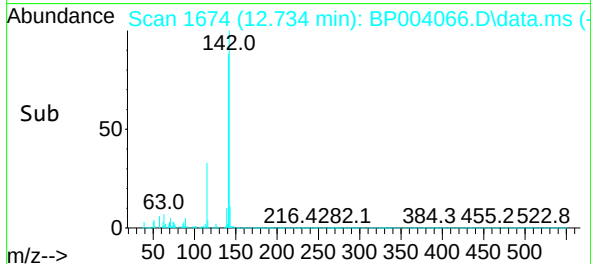
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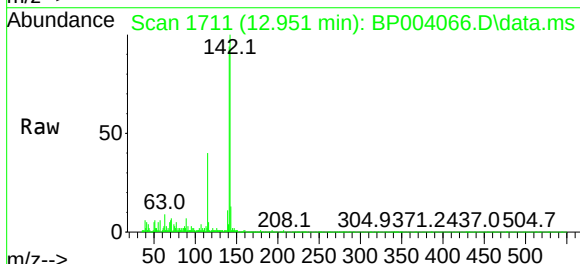
Tgt Ion:142 Resp: 71466
Ion Ratio Lower Upper
142 100
141 88.2 71.4 107.2
115 33.2 25.8 38.6

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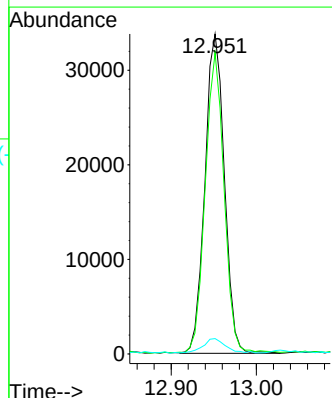
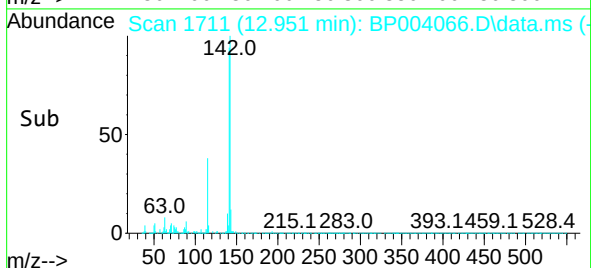
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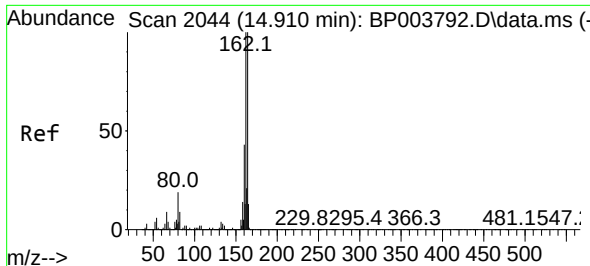


#38
1-Methylnaphthalene
Concen: 3.21 ng
RT: 12.951 min Scan# 1711
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20



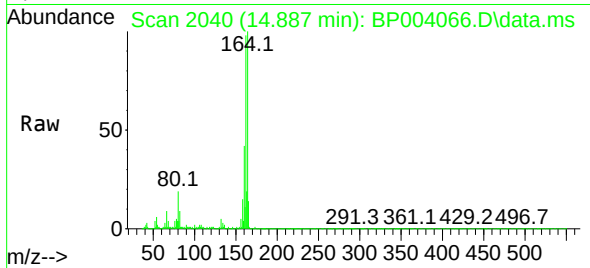
Tgt Ion:142 Resp: 53696
Ion Ratio Lower Upper
142 100
141 94.0 74.4 111.6
116 4.8 2.9 4.3#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.887 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

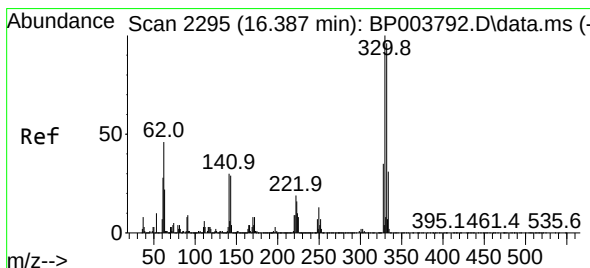
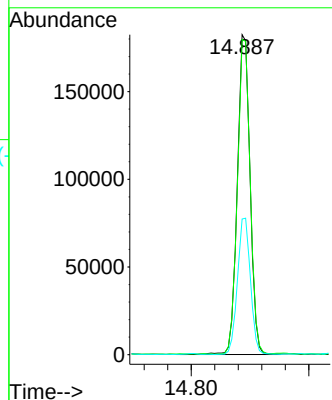
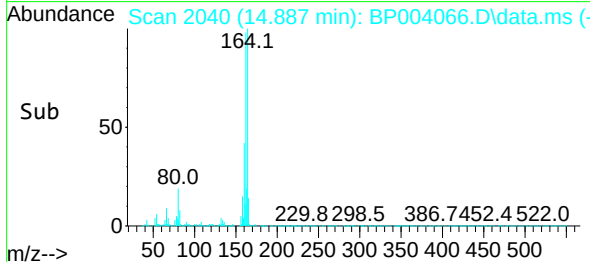
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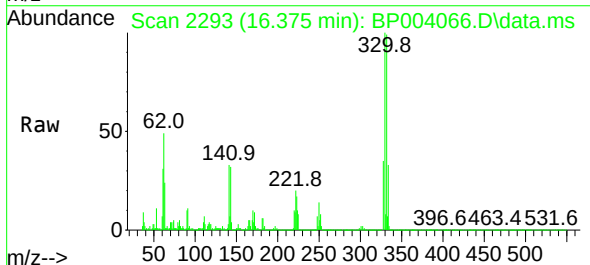
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Ion Ratio Lower Upper
164 100
162 98.5 79.4 119.2
160 42.4 36.1 54.1

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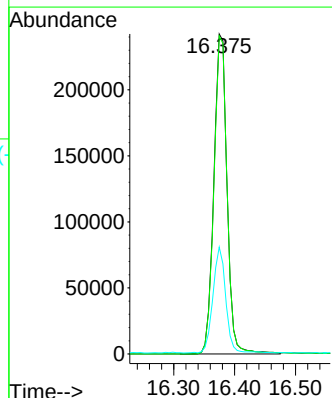
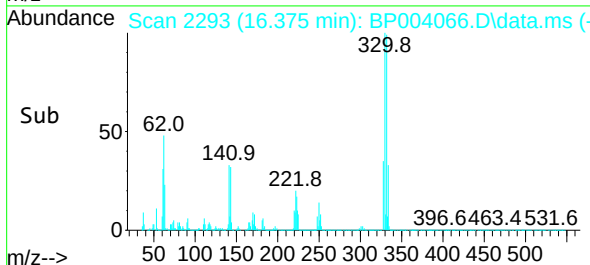
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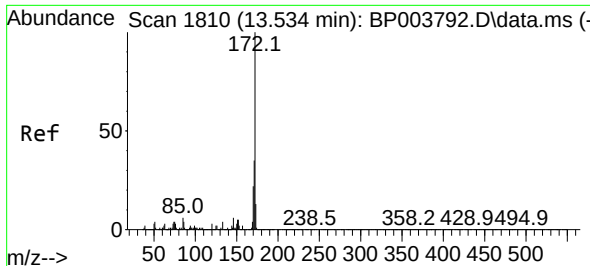


#42
2,4,6-Tribromophenol
Concen: 106.36 ng
RT: 16.375 min Scan# 2293
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20



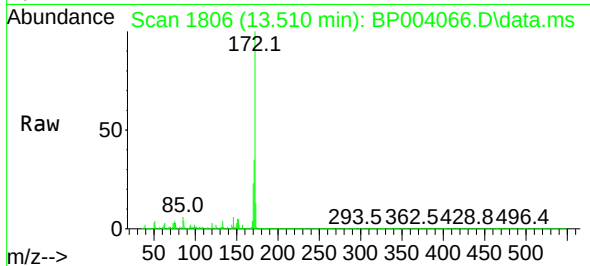
Tgt Ion:330 Resp: 364582
Ion Ratio Lower Upper
330 100
332 99.0 77.1 115.7
141 32.1 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 66.25 ng
RT: 13.510 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

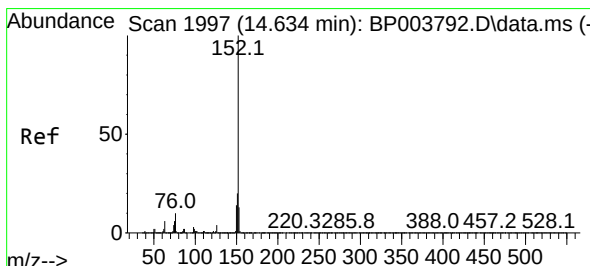
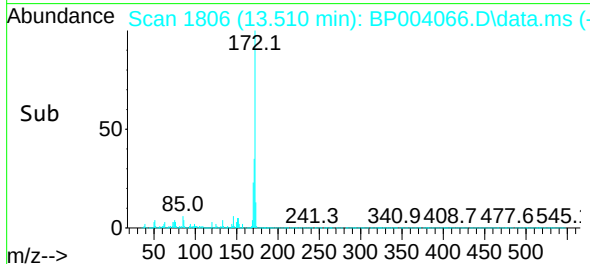
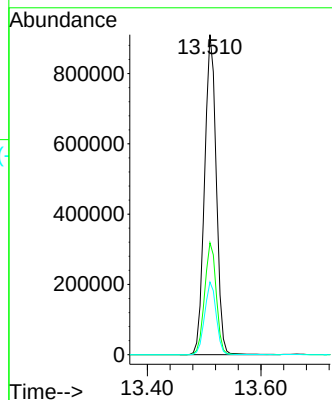
Instrument :
BNA_P
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Tgt Ion:172 Resp: 1298728
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 22.7 19.2 28.8

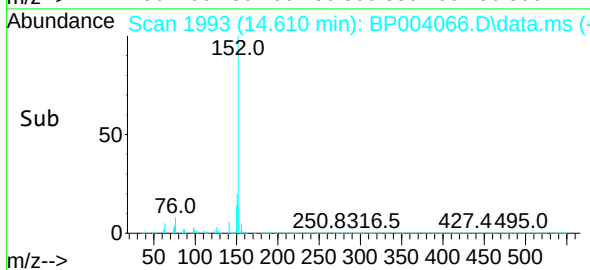
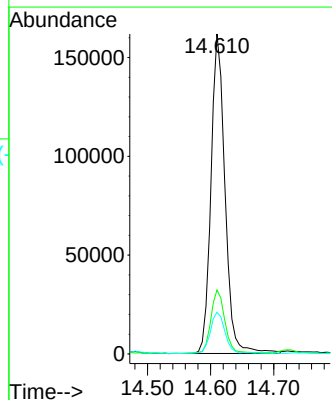
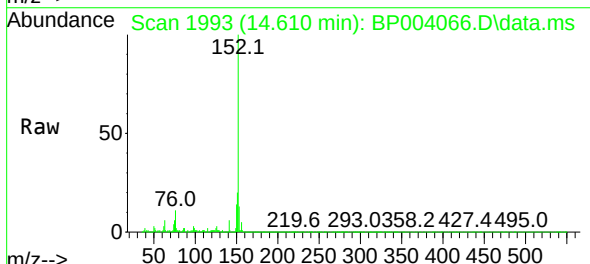
Manual Integrations
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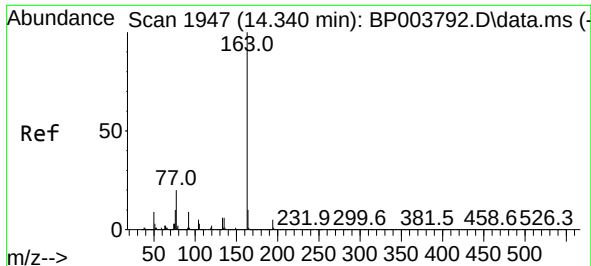
mohammad
11/25/2020 12:49:58 PM



#49
Acenaphthylene
Concen: 9.74 ng
RT: 14.610 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

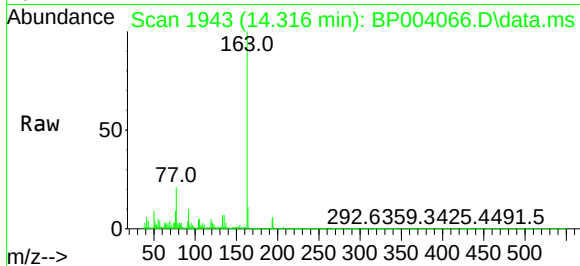
Tgt Ion:152 Resp: 249567
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.0 10.5 15.7





#50
Dimethylphthalate
Concen: 3.54 ng
RT: 14.316 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

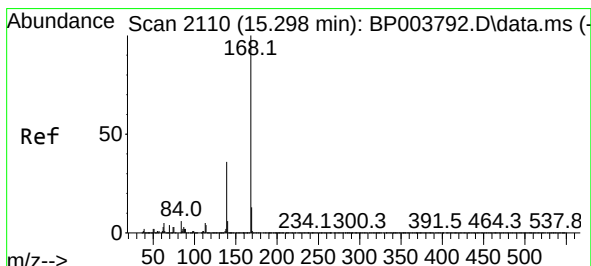
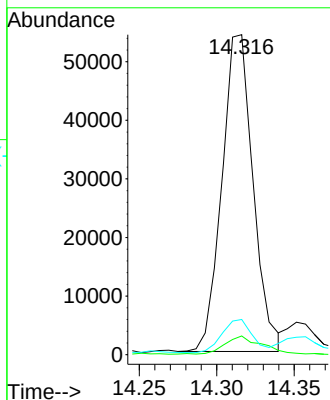
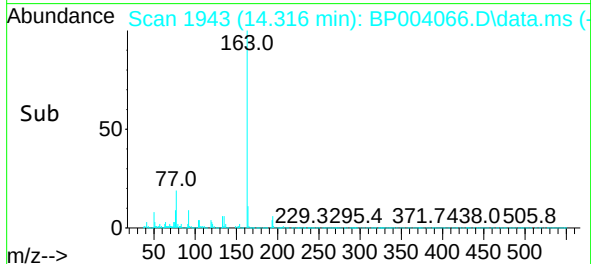
Instrument :
BNA_P
ClientSampleId :
PHC-340EM-013



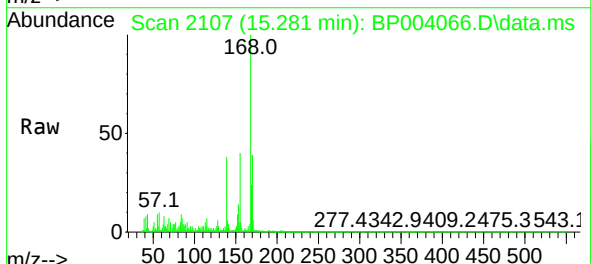
Tgt Ion:163 Resp: 75739
Ion Ratio Lower Upper
163 100
194 5.9 3.3 4.9#
164 11.0 8.2 12.2

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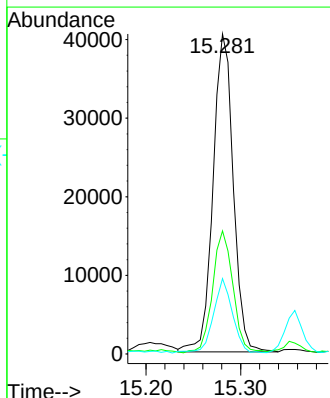
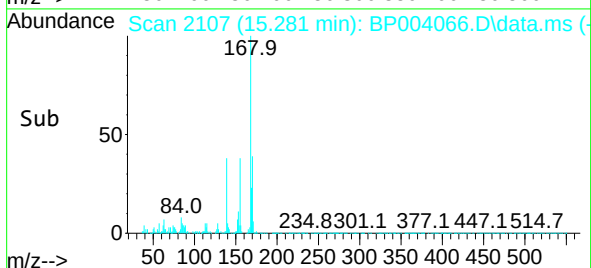
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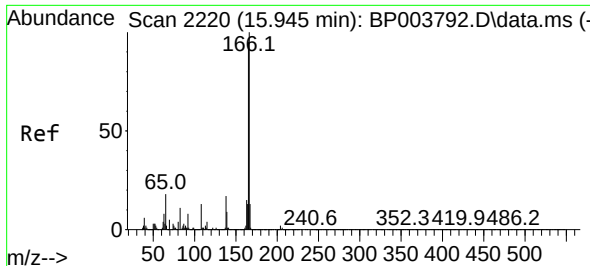


#55
Dibenzofuran
Concen: 2.37 ng
RT: 15.281 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20



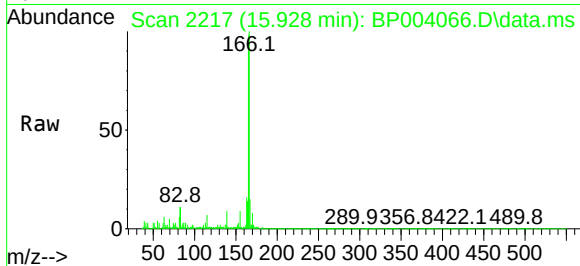
Tgt Ion:168 Resp: 60159
Ion Ratio Lower Upper
168 100
139 38.5 29.1 43.7
169 23.6 10.4 15.6#





#58
Fluorene
Concen: 6.09 ng
RT: 15.928 min Scan# 2217
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

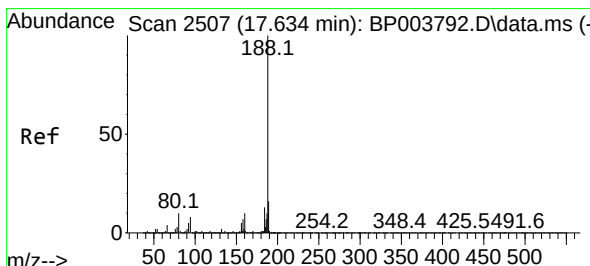
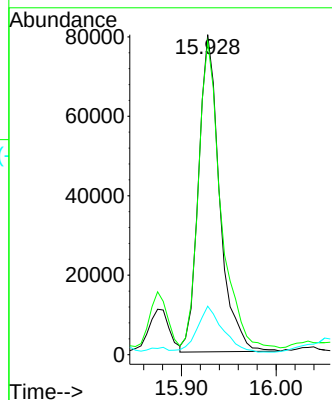
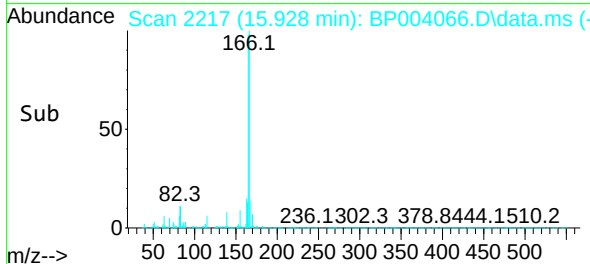
Instrument :
BNA_P
ClientSampleId :
PHC-340EM-013



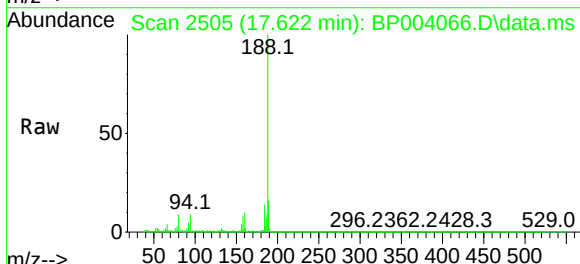
Tgt Ion:166 Resp: 123761
Ion Ratio Lower Upper
166 100
165 98.0 77.8 116.8
167 15.1 11.0 16.4

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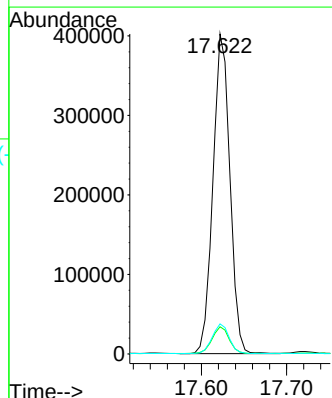
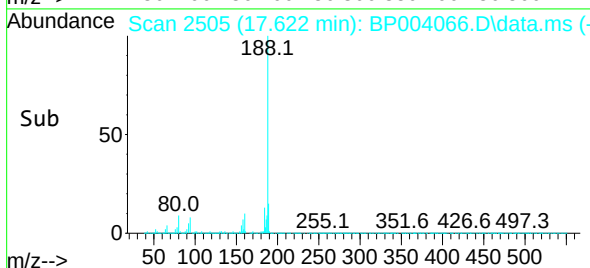
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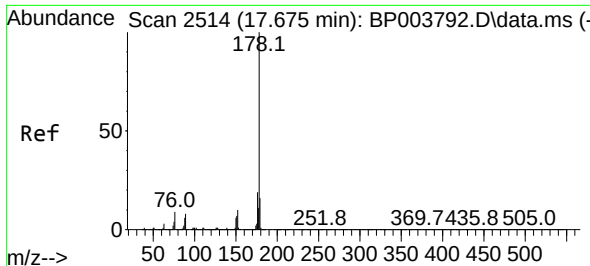


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.622 min Scan# 2505
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20



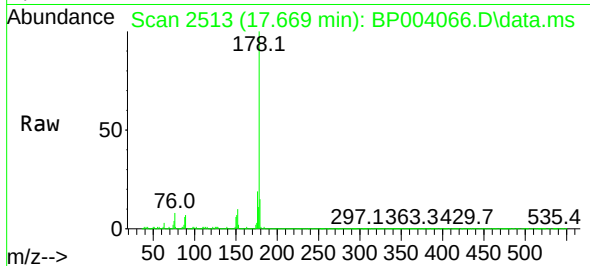
Tgt Ion:188 Resp: 554769
Ion Ratio Lower Upper
188 100
94 8.5 6.2 9.2
80 9.4 6.2 9.2#





#71
Phenanthrene
Concen: 40.76 ng
RT: 17.669 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

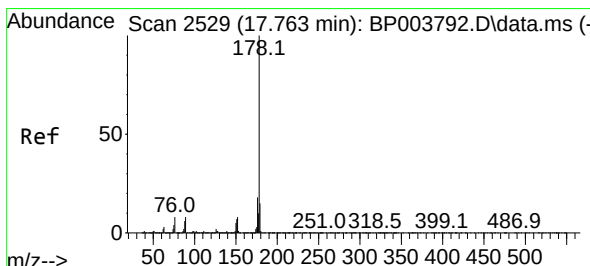
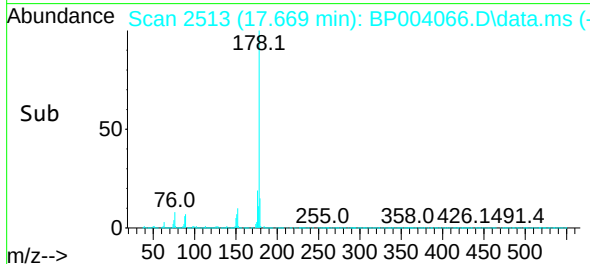
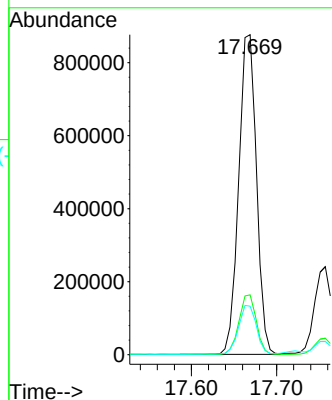
Instrument :
BNA_P
ClientSampleId :
PHC-340EM-013



Tgt Ion:178 Resp: 1269035
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.1 12.5 18.7

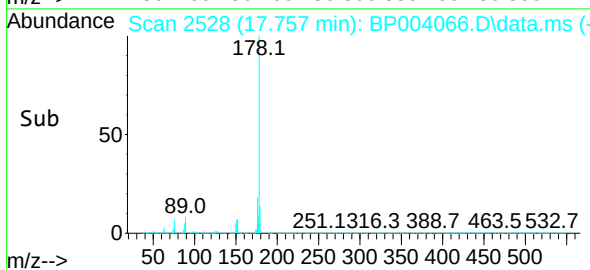
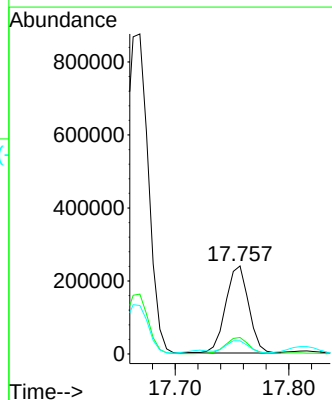
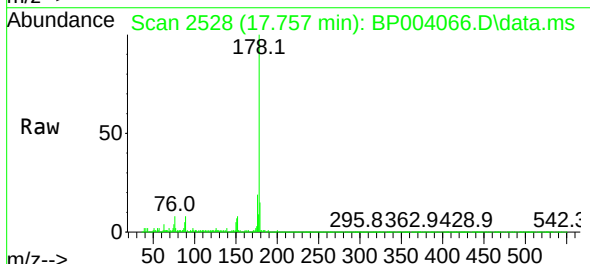
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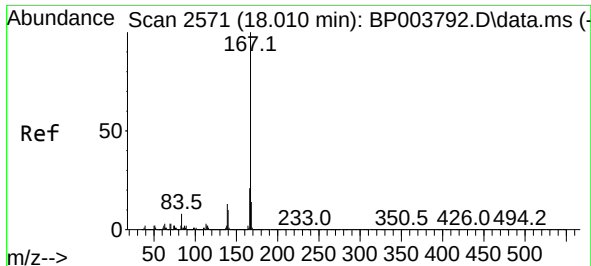
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#72
Anthracene
Concen: 11.15 ng
RT: 17.757 min Scan# 2528
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

Tgt Ion:178 Resp: 335415
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 14.9 12.5 18.7





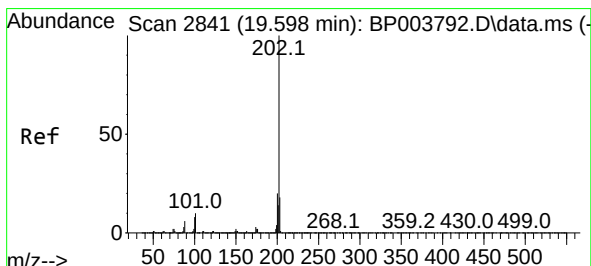
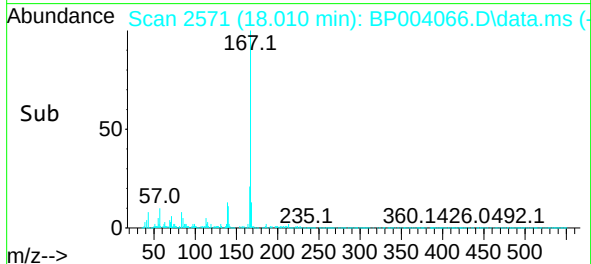
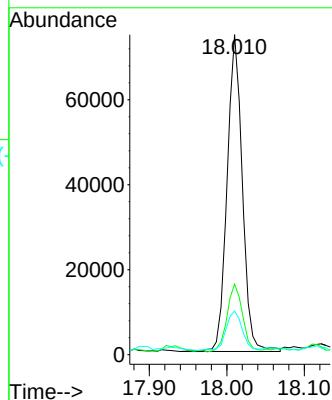
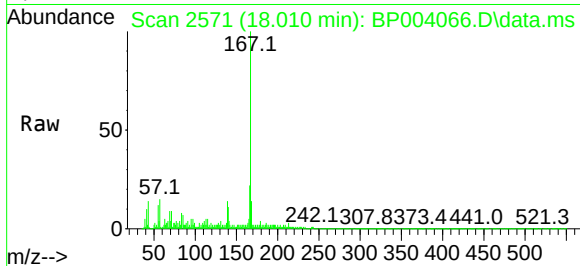
#73
 Carbazole
 Concen: 3.66 ng
 RT: 18.010 min Scan# 2571
 Delta R.T. 0.000 min
 Lab File: BP004066.D
 Acq: 23 Nov 2020 21:20

Tgt Ion:	167	Resp:	102122
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.6	26.4
139	13.7	10.2	15.4

Instrument :
 BNA_P
 ClientSampleId :
 PHC-340EM-013

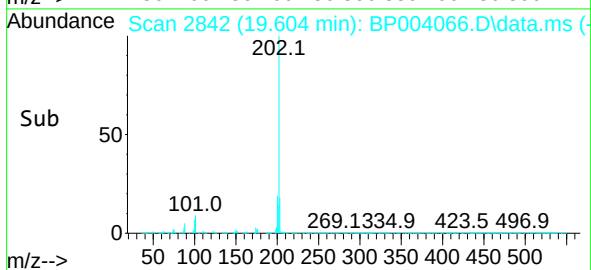
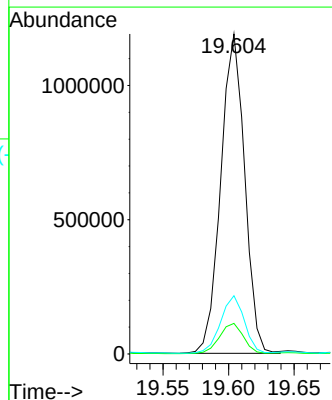
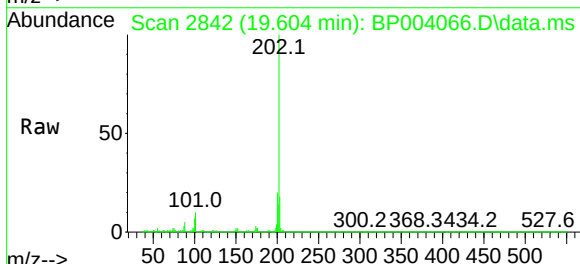
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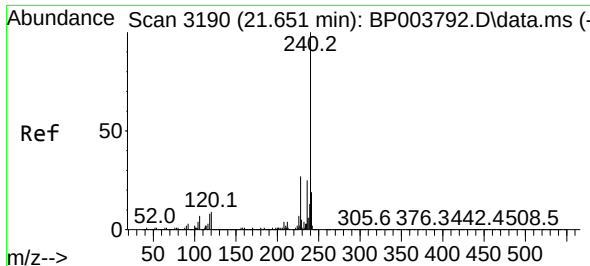
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#75
 Fluoranthene
 Concen: 41.96 ng
 RT: 19.604 min Scan# 2842
 Delta R.T. 0.000 min
 Lab File: BP004066.D
 Acq: 23 Nov 2020 21:20

Tgt Ion:	202	Resp:	1507293
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	29.4
203	18.2	0.0	37.8





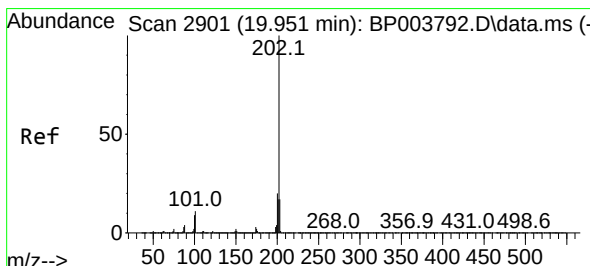
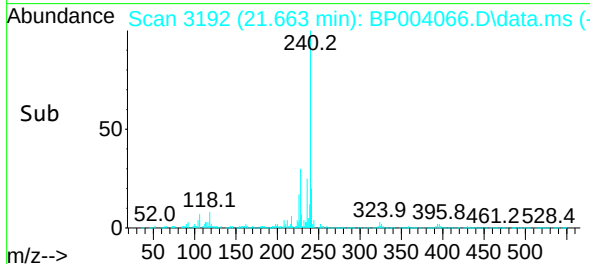
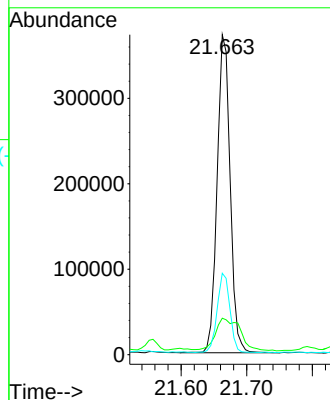
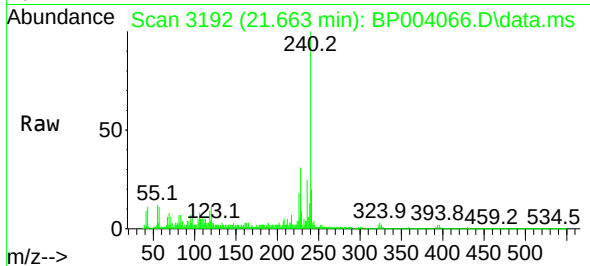
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.663 min Scan# 3192
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

Tgt Ion:240 Resp: 511297
Ion Ratio Lower Upper
240 100
120 11.4 7.8 11.6
236 25.5 20.8 31.2

Instrument :
BNA_P
ClientSampleId :
PHC-340EM-013

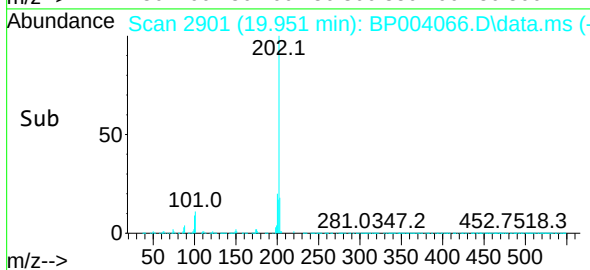
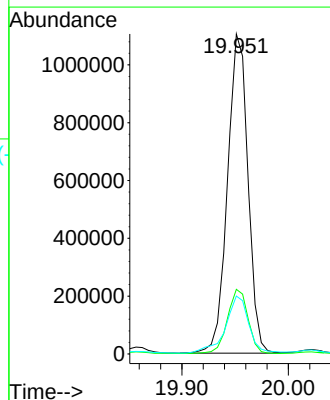
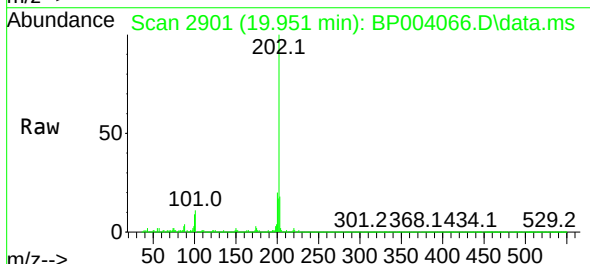
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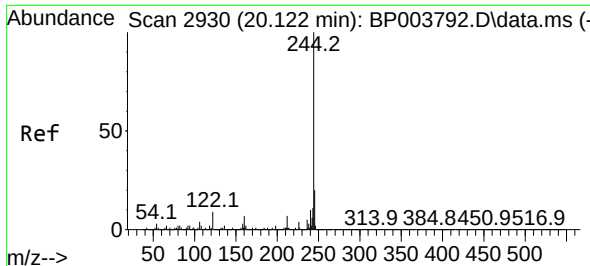
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#78
Pyrene
Concen: 42.38 ng
RT: 19.951 min Scan# 2901
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

Tgt Ion:202 Resp: 1470487
Ion Ratio Lower Upper
202 100
200 20.2 17.1 25.7
203 18.1 14.2 21.2





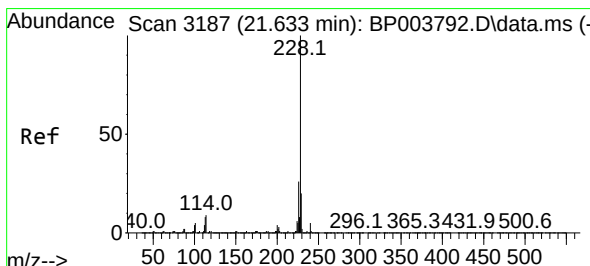
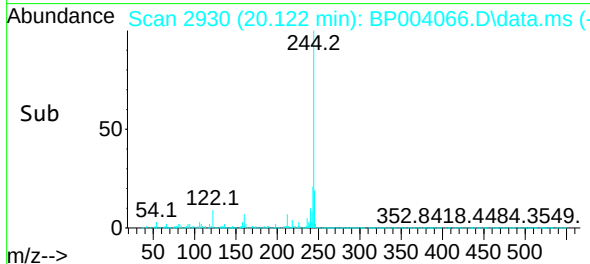
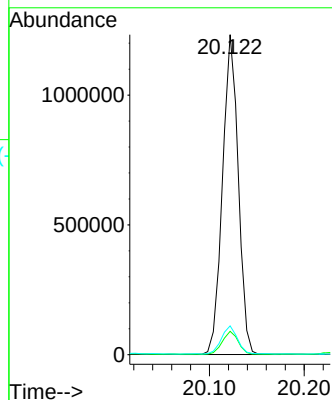
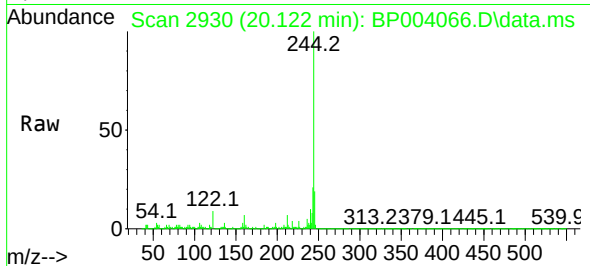
#79
Terphenyl-d14
Concen: 53.98 ng
RT: 20.122 min Scan# 2930
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

Tgt Ion:244 Resp: 1428512
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 9.0 7.8 11.8

Instrument :
BNA_P
ClientSampleId :
PHC-340EM-013

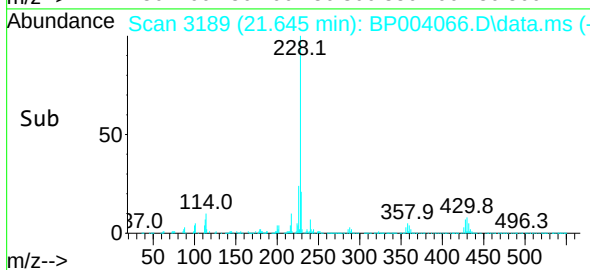
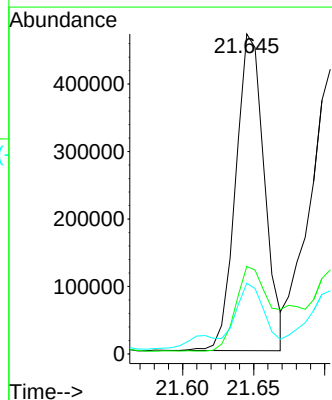
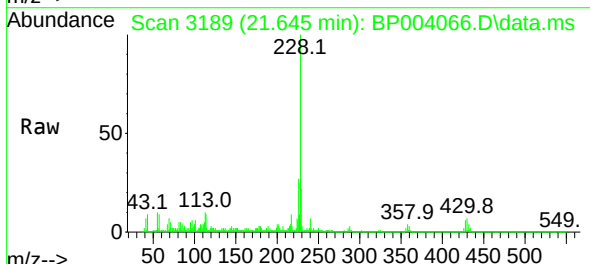
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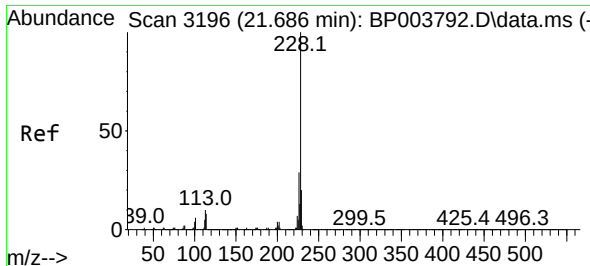
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#81
Benzo(a)anthracene
Concen: 19.55 ng
RT: 21.645 min Scan# 3189
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

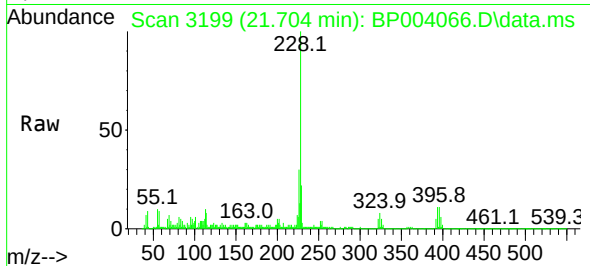
Tgt Ion:228 Resp: 659212
Ion Ratio Lower Upper
228 100
226 27.3 22.1 33.1
229 22.1 15.9 23.9





#83
Chrysene
Concen: 20.74 ng
RT: 21.704 min Scan# 3199
Delta R.T. 0.006 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

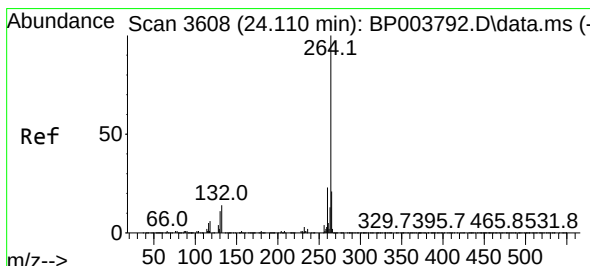
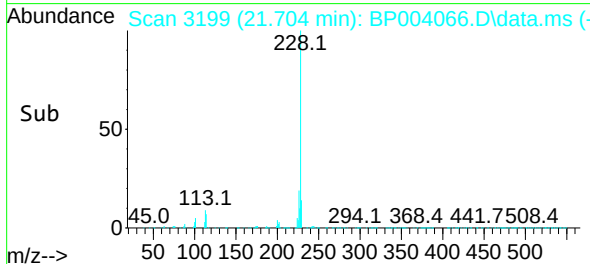
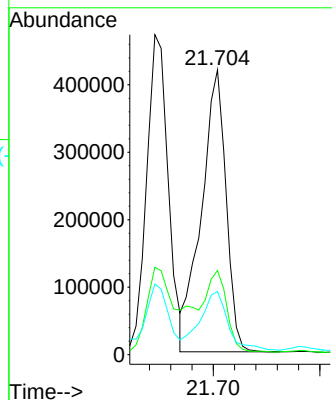
Instrument :
BNA_P
ClientSampleId :
PHC-340EM-013



Tgt Ion:228 Resp: 671997
Ion Ratio Lower Upper
228 100
226 29.6 24.4 36.6
229 22.2 15.8 23.6

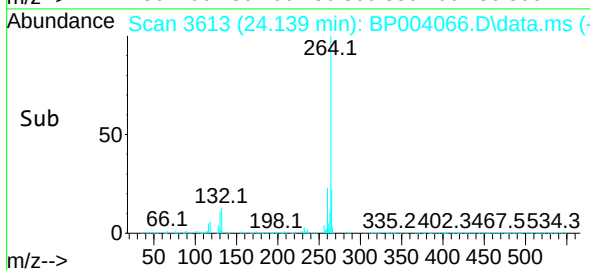
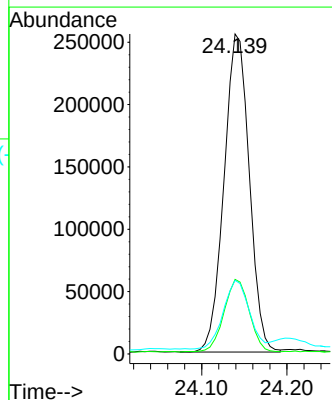
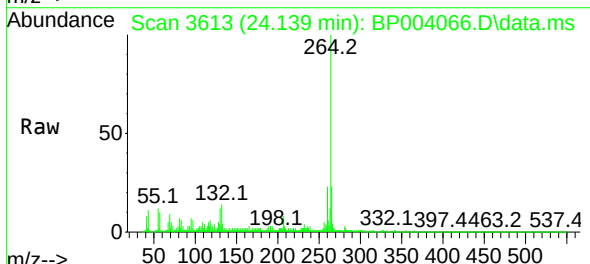
Manual Integrations
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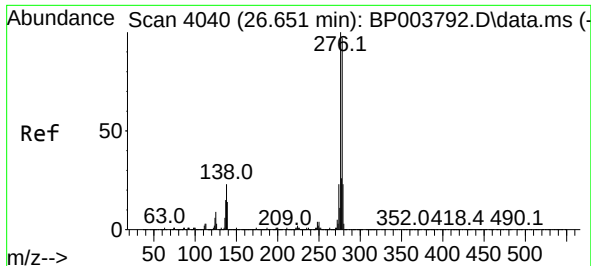
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#86
Perylene-d12
Concen: 20.00 ng
RT: 24.139 min Scan# 3613
Delta R.T. 0.012 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

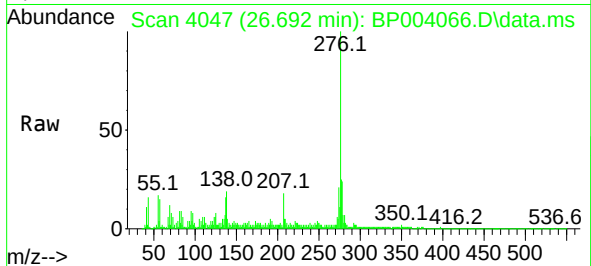
Tgt Ion:264 Resp: 524744
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 23.0 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.67 ng
RT: 26.692 min Scan# 4047
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

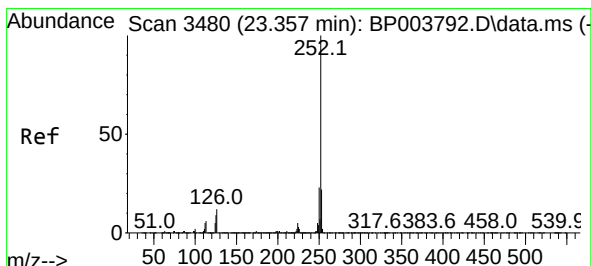
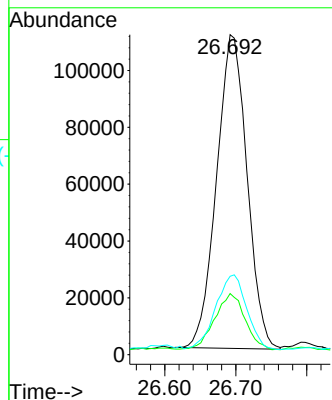
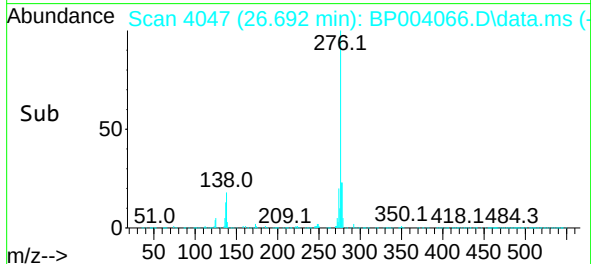
Instrument :
BNA_P
ClientSampleId :
PHC-340EM-013



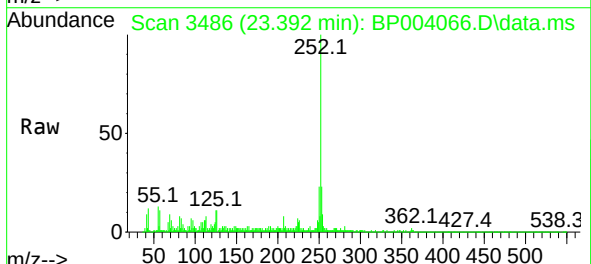
Tgt Ion: 276 Resp: 328364
Ion Ratio Lower Upper
276 100
138 18.1 18.7 28.1#
277 24.4 20.4 30.6

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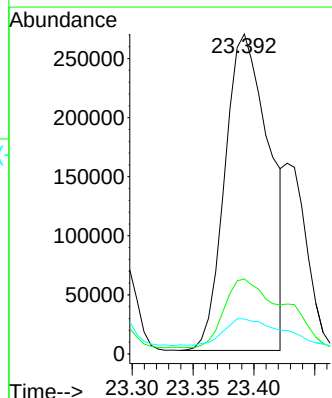
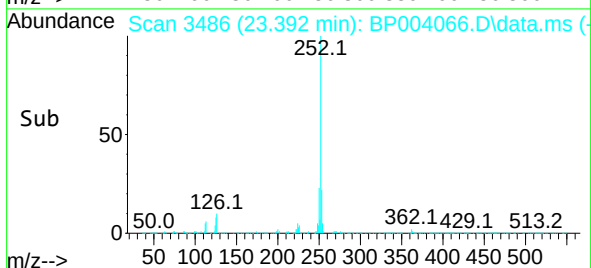
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11/25/2020 12:49:58 PM

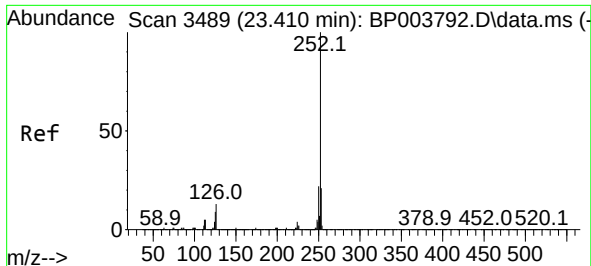


#88
Benzo(b)fluoranthene
Concen: 19.81 ng m
RT: 23.392 min Scan# 3486
Delta R.T. 0.012 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20



Tgt Ion: 252 Resp: 680124
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 11.0 7.3 10.9#





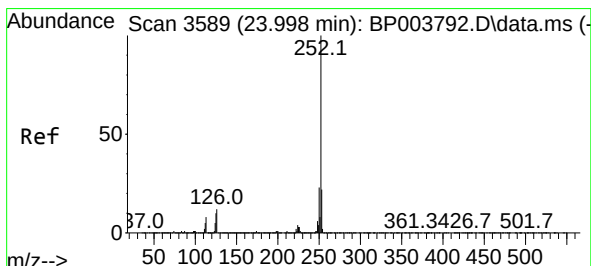
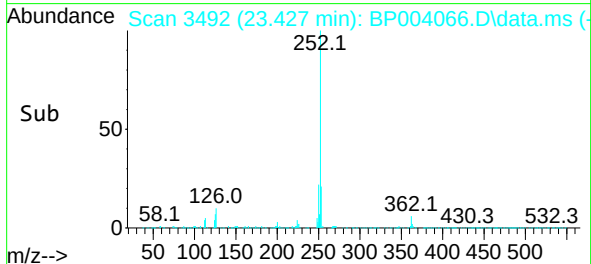
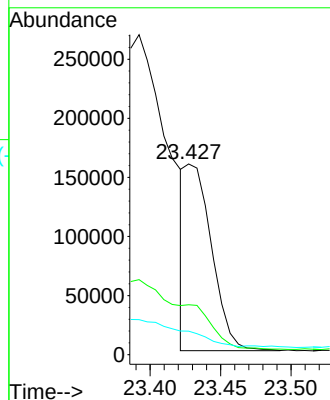
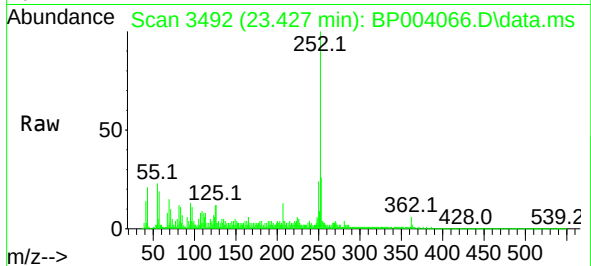
#89
Benzo(k)fluoranthene
Concen: 6.02 ng m
RT: 23.427 min Scan# 3492
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

Tgt Ion:252 Resp: 204154
Ion Ratio Lower Upper
252 100
253 26.2 17.8 26.8
125 12.4 7.4 11.2#

Instrument :
BNA_P
ClientSampleId :
PHC-340EM-013

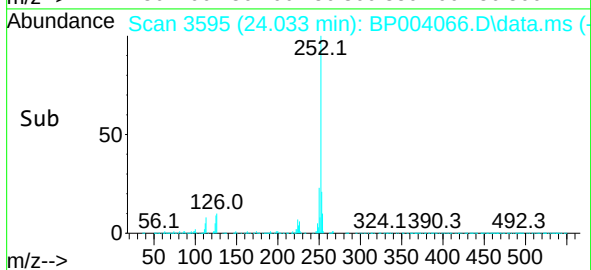
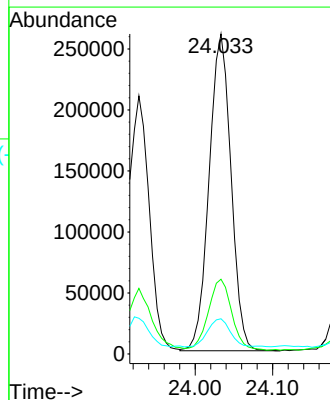
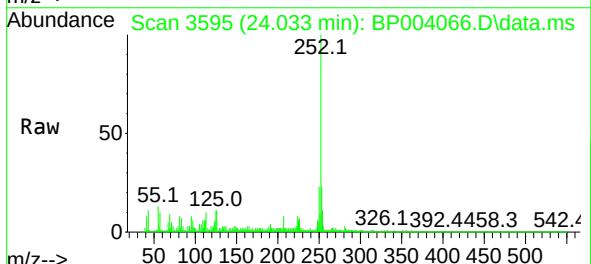
Manual Integrations
APPROVED

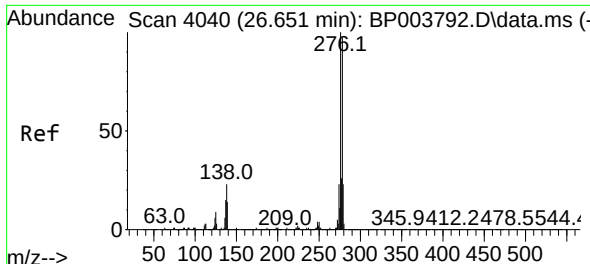
mohammad
11/25/2020 12:49:58 PM



#90
Benzo(a)pyrene
Concen: 16.05 ng
RT: 24.033 min Scan# 3595
Delta R.T. 0.012 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

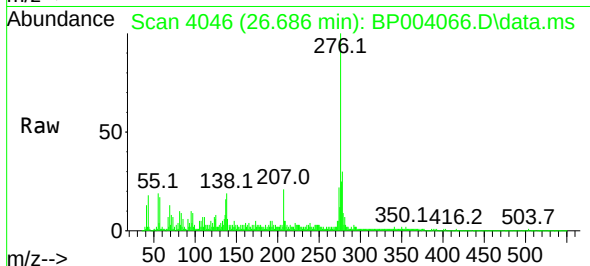
Tgt Ion:252 Resp: 510149
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 11.0 8.2 12.4





#91
Dibenzo(a,h)anthracene
Concen: 2.98 ng
RT: 26.686 min Scan# 4046
Delta R.T. 0.000 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20

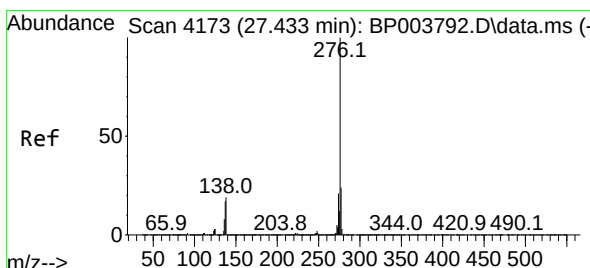
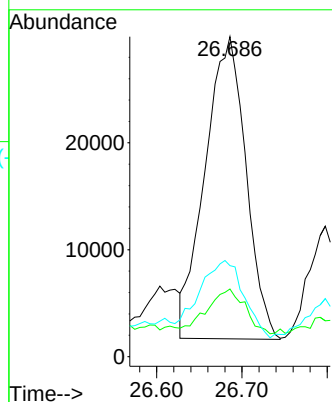
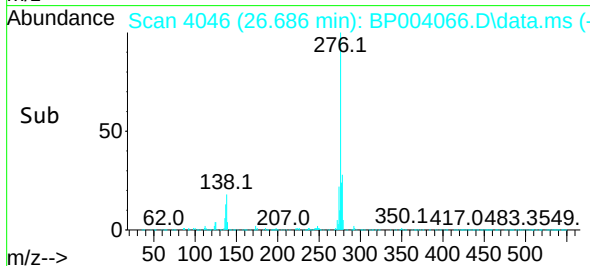
Instrument :
BNA_P
ClientSampleId :
PHC-340EM-013



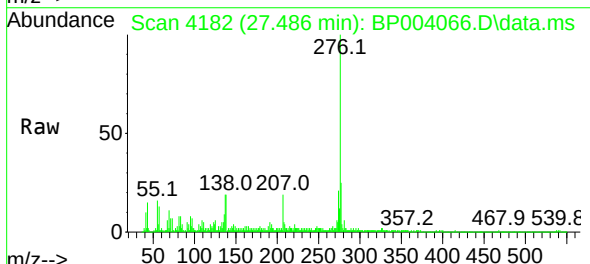
Tgt Ion:278 Resp: 94129
Ion Ratio Lower Upper
278 100
139 21.1 12.4 18.6#
279 28.5 19.0 28.6

Manual Integrations
APPROVED

mohammad
11/25/2020 12:49:58 PM



#92
Benzo(g,h,i)perylene
Concen: 11.70 ng
RT: 27.486 min Scan# 4182
Delta R.T. 0.006 min
Lab File: BP004066.D
Acq: 23 Nov 2020 21:20



Tgt Ion:276 Resp: 357351
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.6
138 19.0 16.6 24.8

