

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060321\
 Data File : BP005702.D
 Acq On : 03 Jun 2021 23:46
 Operator : CG/JU
 Sample : M2580-13DL 20X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 18-B5(0-2)DL

Manual Integrations
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 6/4/2021 9:35:06 AM

Quant Time: Jun 04 01:06:28 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 27 16:11:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	193025	20.00	ng	0.00
21) Naphthalene-d8	10.793	136	752300	20.00	ng	# 0.00
39) Acenaphthene-d10	14.610	164	466847	20.00	ng	0.00
64) Phenanthrene-d10	17.351	188	978094	20.00	ng	# 0.00
76) Chrysene-d12	21.422	240	952742	20.00	ng	# 0.00
86) Perylene-d12	23.863	264	1095238	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	37544	3.02	ng	0.00
7) Phenol-d6	7.146	99	51313	3.03	ng	0.00
23) Nitrobenzene-d5	9.146	82	31861	2.36	ng	0.00
42) 2,4,6-Tribromophenol	16.093	330	11809	1.97	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	81110	2.30	ng	0.00
79) Terphenyl-d14	19.892	244	124517	2.45	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.840	128	800176	17.86	ng	99
37) 2-Methylnaphthalene	12.446	142	167020	5.26	ng	# 86
38) 1-Methylnaphthalene	12.663	142	101882	3.38	ng	# 98
52) Acenaphthene	14.675	154	352903	11.30	ng	96
55) Dibenzofuran	15.004	168	394237	8.24	ng	96
58) Fluorene	15.651	166	520563	13.61	ng	100
71) Phenanthrene	17.398	178	3167443	51.98	ng	99
72) Anthracene	17.487	178	923857	15.35	ng	100
73) Carbazole	17.751	167	615831	10.40	ng	99
75) Fluoranthene	19.357	202	2696800	36.87	ng	97
78) Pyrene	19.704	202	2197348	32.69	ng	99
80) Butylbenzylphthalate	20.563	149	23249	4.91	ng	95
81) Benzo(a)anthracene	21.404	228	1017059	14.55	ng	97
83) Chrysene	21.457	228	874554	12.92	ng	97
84) Bis(2-ethylhexyl)phtha...	21.322	149	262145	6.90	ng	# 98
87) Indeno(1,2,3-cd)pyrene	26.433	276	543876	5.84	ng	# 94
88) Benzo(b)fluoranthene	23.116	252	1131684	14.24	ng	# 96
89) Benzo(k)fluoranthene	23.163	252	354543m	4.71	ng	
90) Benzo(a)pyrene	23.757	252	844569	11.68	ng	# 92
92) Benzo(g,h,i)perylene	27.221	276	525460	6.74	ng	# 92

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

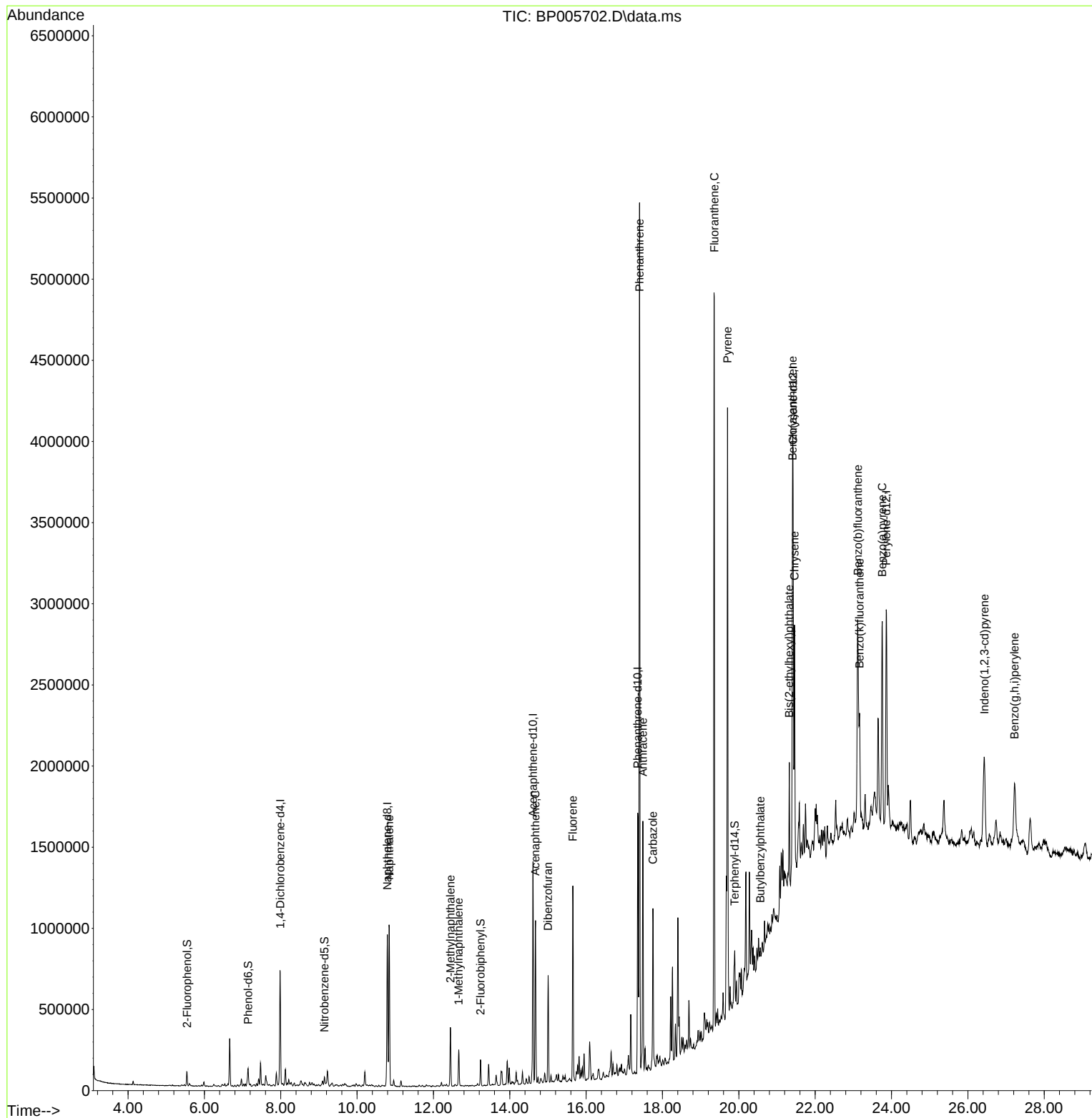
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060321\
Data File : BP005702.D
Acq On : 03 Jun 2021 23:46
Operator : CG/JU
Sample : M2580-13DL 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

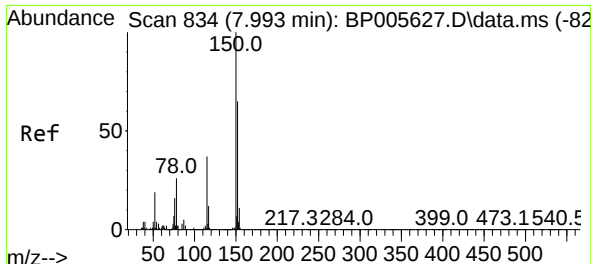
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)DL

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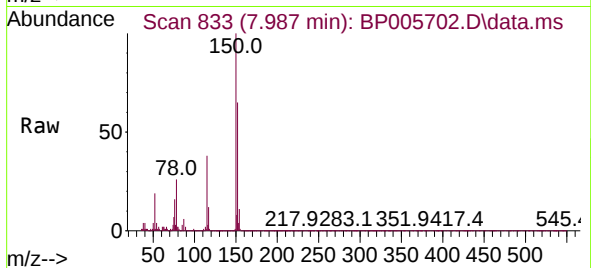
Quant Time: Jun 04 01:06:28 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 27 16:11:11 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.987 min Scan# 833
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

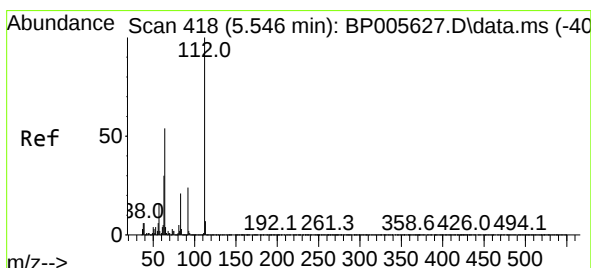
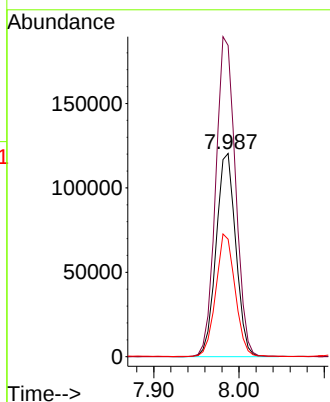
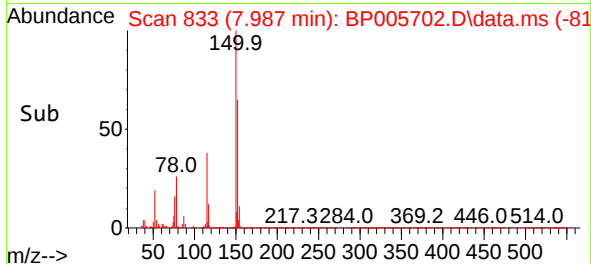
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)DL



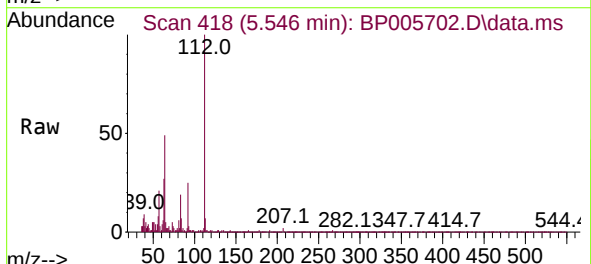
Tgt Ion:152 Resp: 193025
Ion Ratio Lower Upper
152 100
150 153.2 119.8 179.8
115 57.8 49.0 73.4

Manual Integrations
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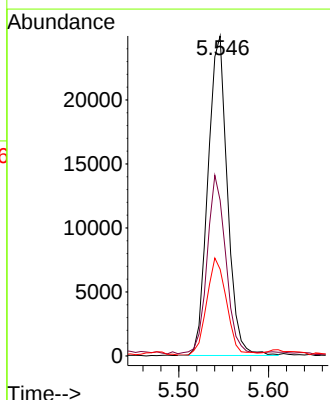
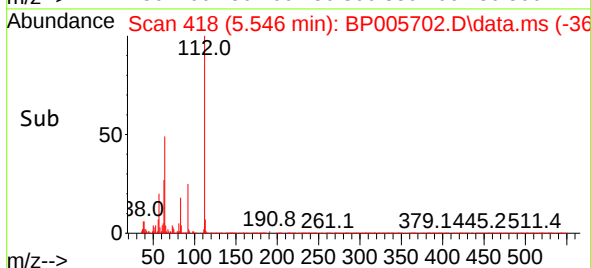
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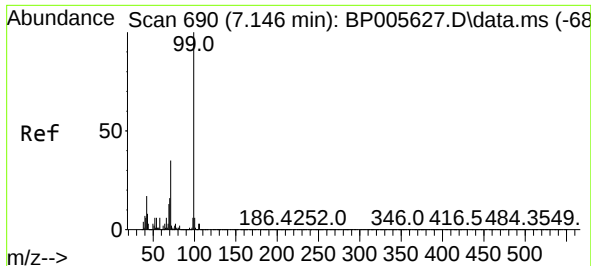


#5
2-Fluorophenol
Concen: 3.02 ng
RT: 5.546 min Scan# 418
Delta R.T. -0.000 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46



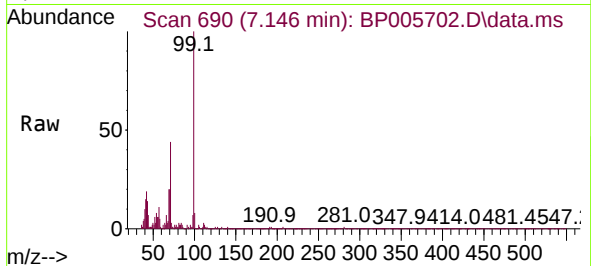
Tgt Ion:112 Resp: 37544
Ion Ratio Lower Upper
112 100
64 48.7 33.6 50.4
63 27.1 18.6 27.8





#7
Phenol-d6
Concen: 3.03 ng
RT: 7.146 min Scan# 690
Delta R.T. -0.000 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

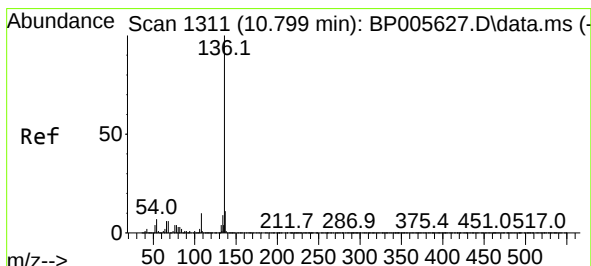
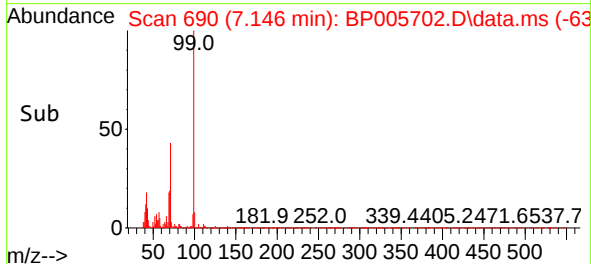
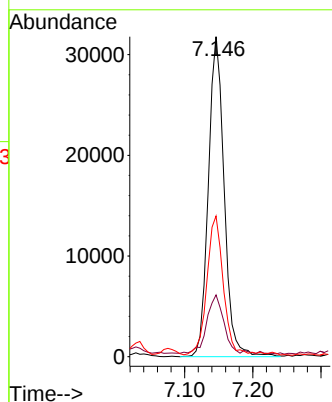
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)DL



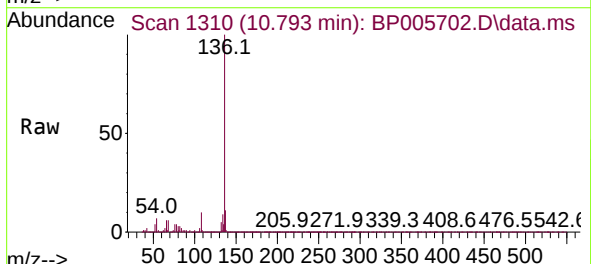
Tgt Ion: 99 Resp: 51313
Ion Ratio Lower Upper
99 100
42 19.3 12.9 19.3#
71 44.0 26.7 40.1#

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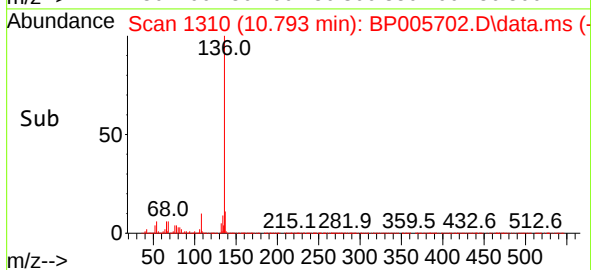
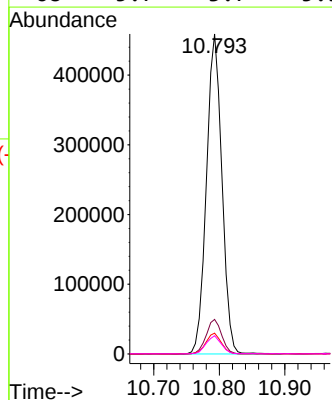
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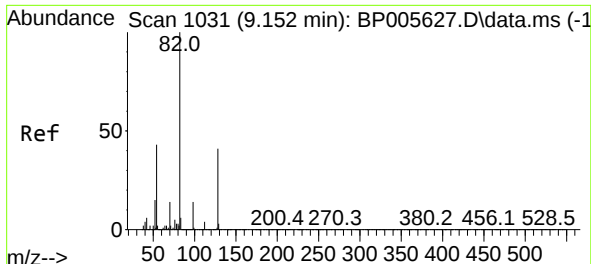


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.793 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46



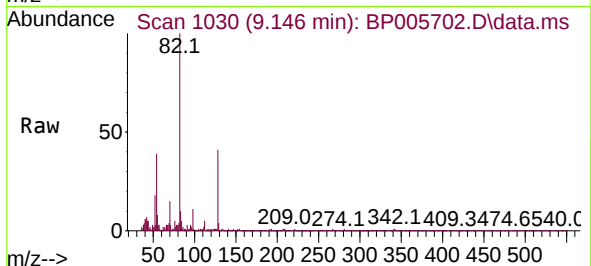
Tgt Ion: 136 Resp: 752300
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.5 5.0 7.4
68 5.7 3.7 5.5#





#23
Nitrobenzene-d5
Concen: 2.36 ng
RT: 9.146 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

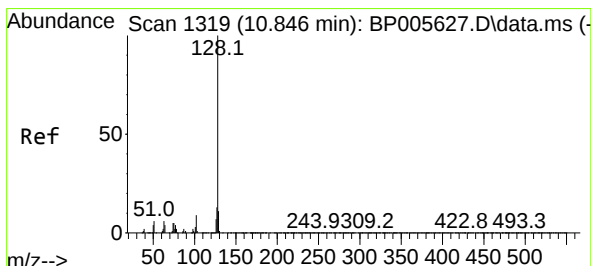
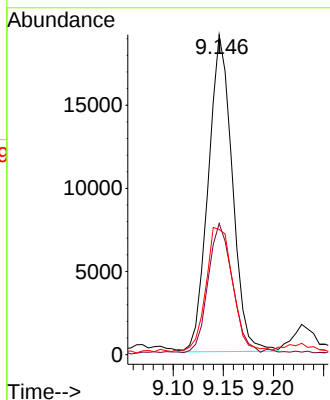
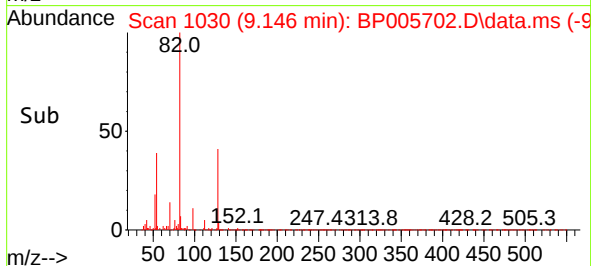
Instrument :
BNA_P
ClientSampled :
18-B5(0-2)DL



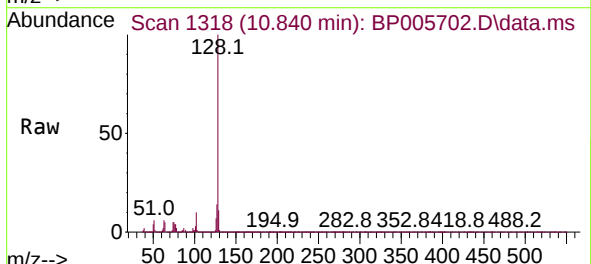
Tgt Ion: 82 Resp: 31861
Ion Ratio Lower Upper
82 100
128 41.0 30.5 45.7
54 39.2 33.9 50.9

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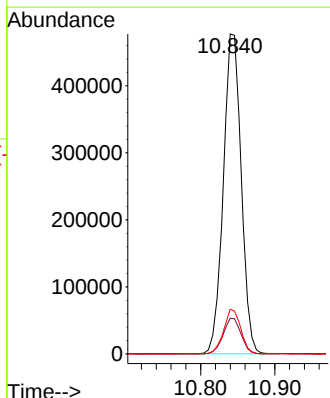
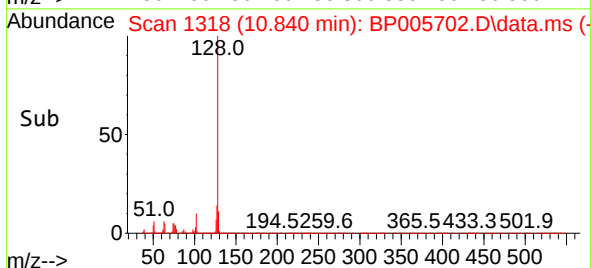
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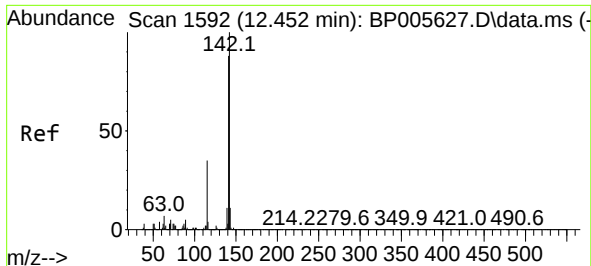


#31
Naphthalene
Concen: 17.86 ng
RT: 10.840 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46



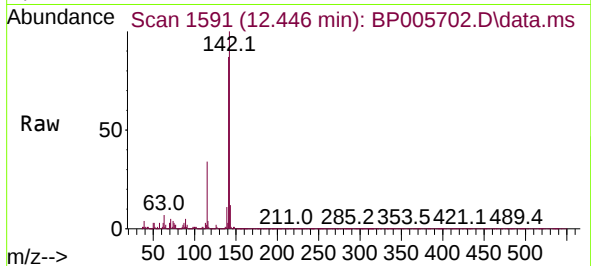
Tgt Ion: 128 Resp: 800176
Ion Ratio Lower Upper
128 100
129 11.1 8.0 12.0
127 14.0 11.1 16.7





#37
2-Methylnaphthalene
Concen: 5.26 ng
RT: 12.446 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

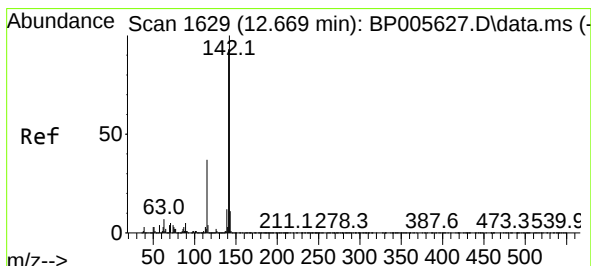
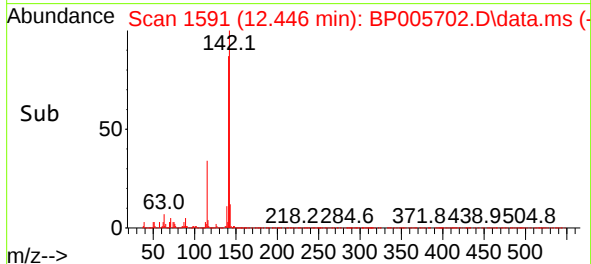
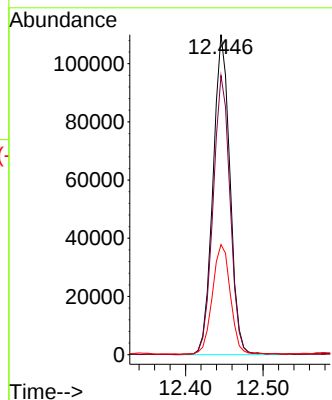
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)DL



Tgt Ion:142 Resp: 167020
Ion Ratio Lower Upper
142 100
141 87.2 74.7 112.1
115 34.4 43.8 65.8#

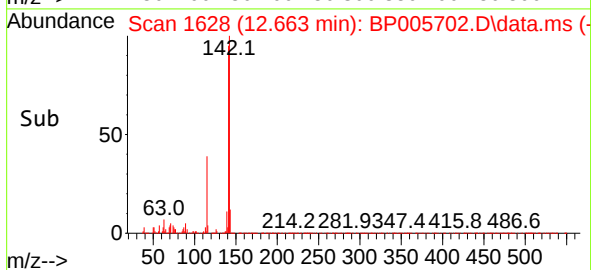
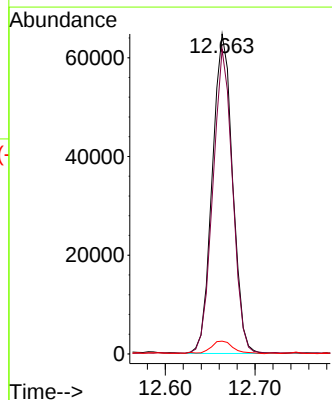
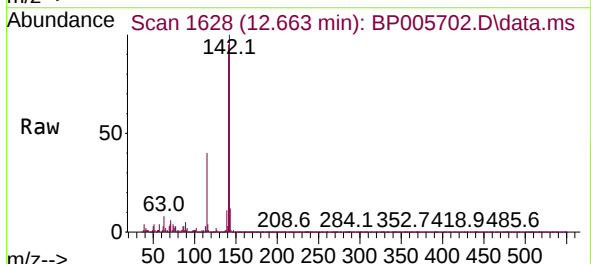
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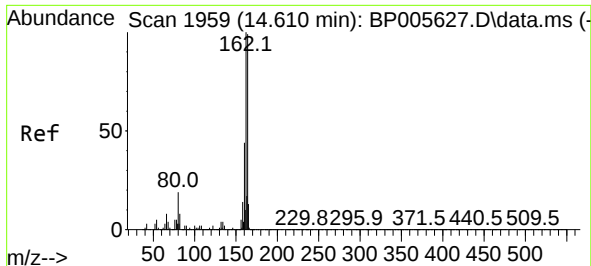
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#38
1-Methylnaphthalene
Concen: 3.38 ng
RT: 12.663 min Scan# 1628
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

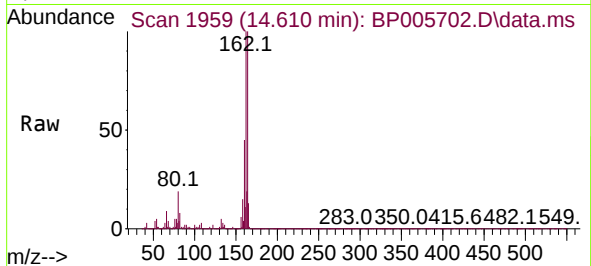
Tgt Ion:142 Resp: 101882
Ion Ratio Lower Upper
142 100
141 95.1 77.0 115.6
116 4.0 5.0 7.6#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

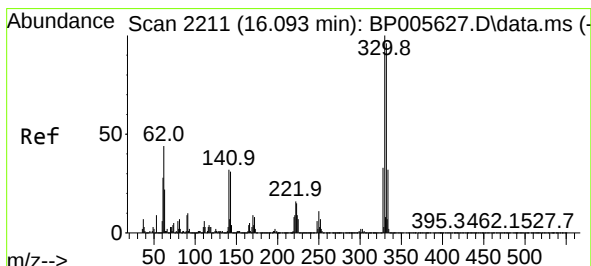
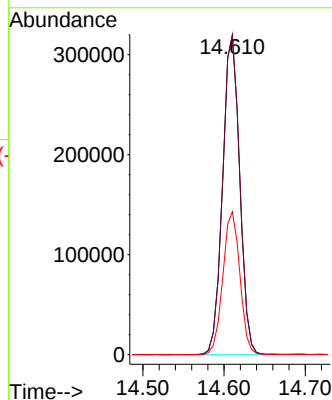
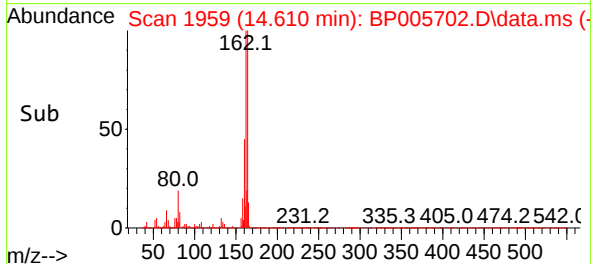
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)DL



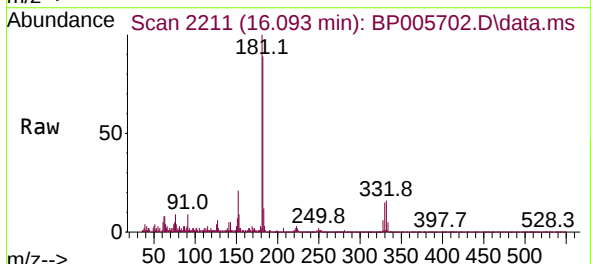
Tgt Ion:164 Resp: 466847
Ion Ratio Lower Upper
164 100
162 100.4 73.5 110.3
160 44.9 40.6 61.0

Manual Integrations
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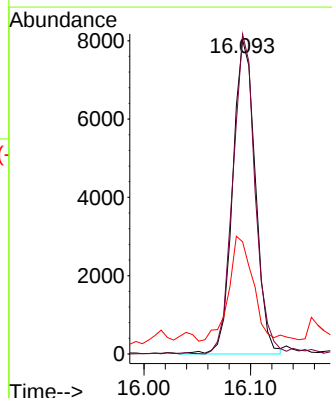
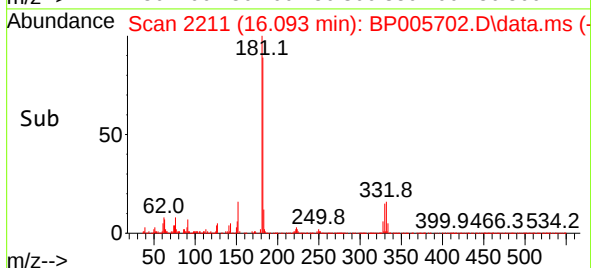
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6/4/2021 9:35:06 AM

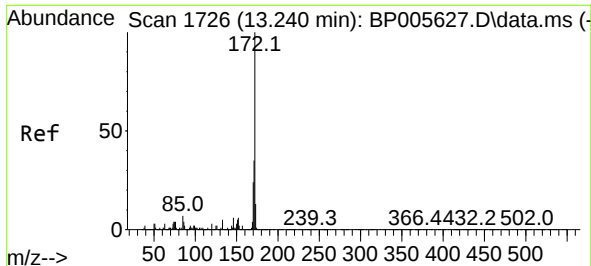


#42
2,4,6-Tribromophenol
Concen: 1.97 ng
RT: 16.093 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46



Tgt Ion:330 Resp: 11809
Ion Ratio Lower Upper
330 100
332 100.4 76.3 114.5
141 36.6 22.8 34.2#





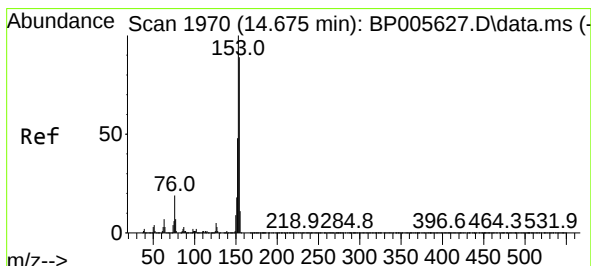
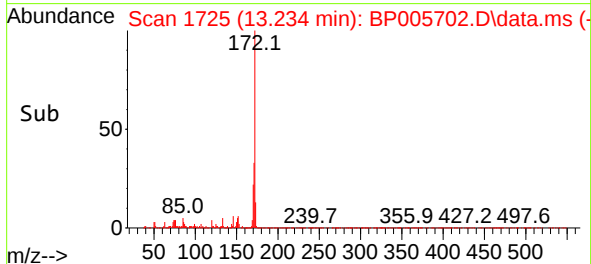
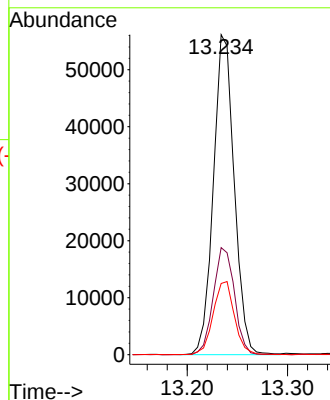
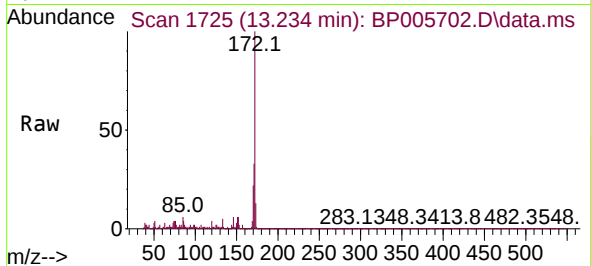
#45
2-Fluorobiphenyl
Concen: 2.30 ng
RT: 13.234 min Scan# 1725
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

Tgt Ion:	172	Resp:	81110
Ion Ratio	Lower	Upper	
172	100		
171	33.5	28.1	42.1
170	22.3	19.6	29.4

Instrument :
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18-B5(0-2)DL

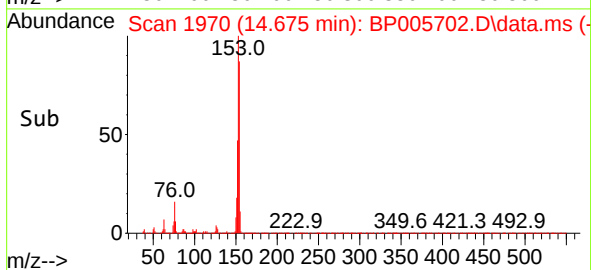
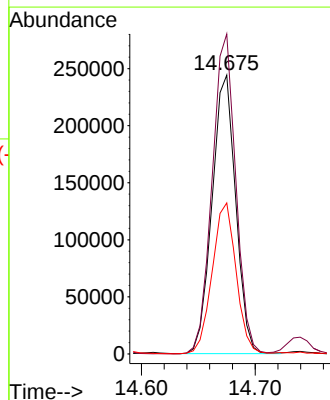
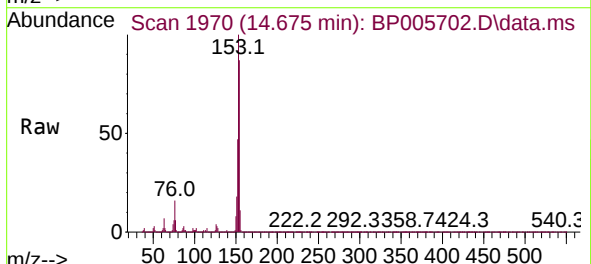
Manual Integrations
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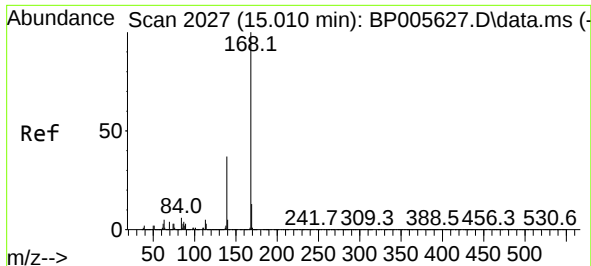
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#52
Acenaphthene
Concen: 11.30 ng
RT: 14.675 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

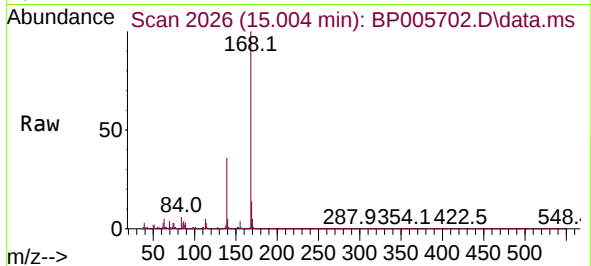
Tgt Ion:	154	Resp:	352903
Ion Ratio	Lower	Upper	
154	100		
153	114.7	90.9	136.3
152	54.2	48.5	72.7





#55
Dibenzenofuran
Concen: 8.24 ng
RT: 15.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

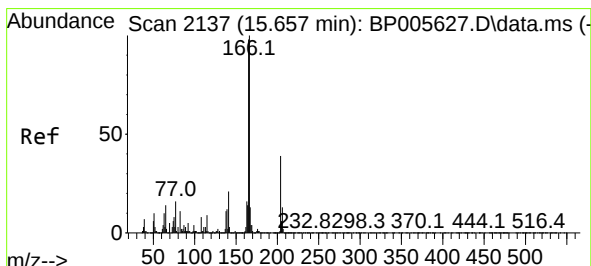
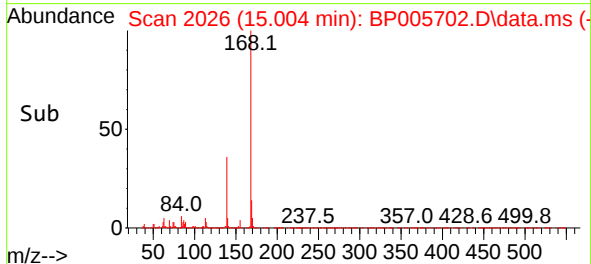
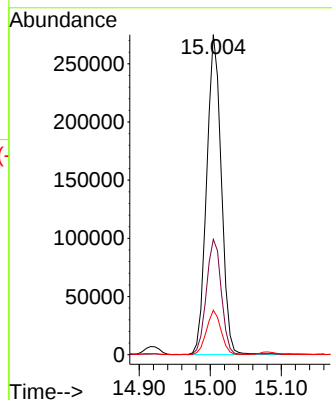
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)DL



Tgt Ion:168 Resp: 394237
Ion Ratio Lower Upper
168 100
139 36.0 31.4 47.0
169 13.9 11.4 17.0

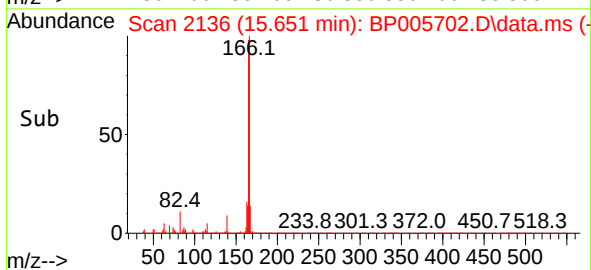
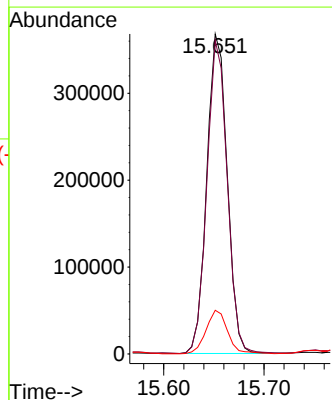
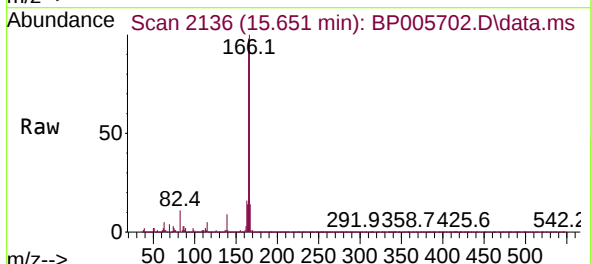
Manual Integrations
APPROVED

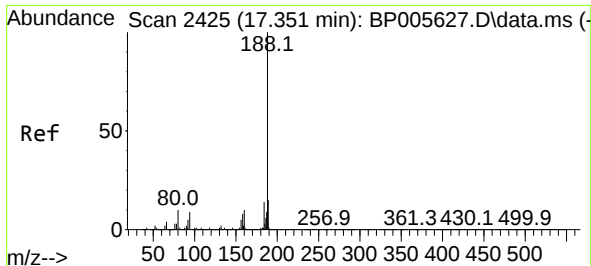
mohammad
6/4/2021 9:35:06 AM



#58
Fluorene
Concen: 13.61 ng
RT: 15.651 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

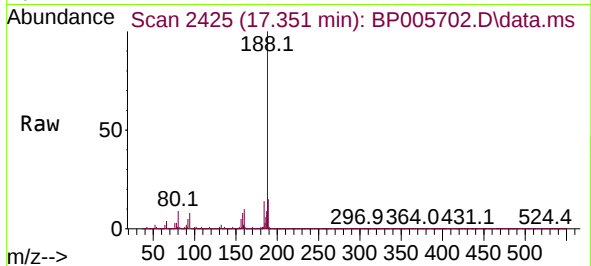
Tgt Ion:166 Resp: 520563
Ion Ratio Lower Upper
166 100
165 98.0 78.8 118.2
167 13.6 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

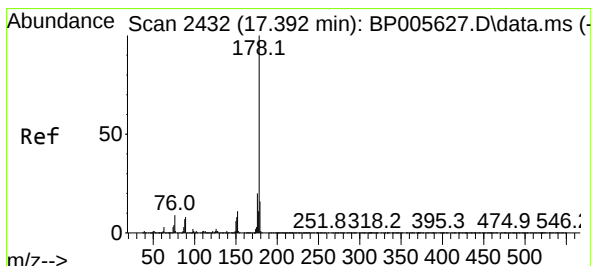
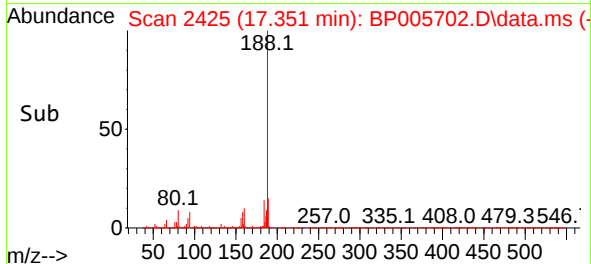
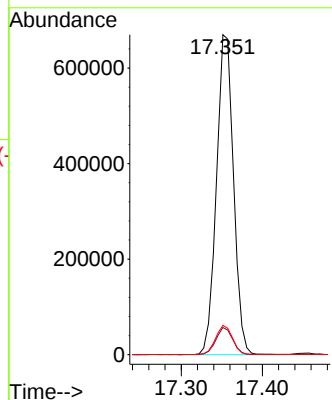
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)DL



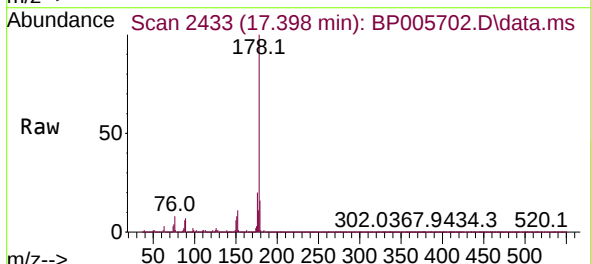
Tgt Ion:188 Resp: 978094
Ion Ratio Lower Upper
188 100
94 8.5 5.0 7.6#
80 9.1 5.9 8.9#

Manual Integrations
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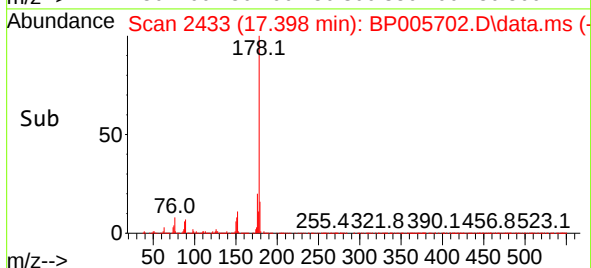
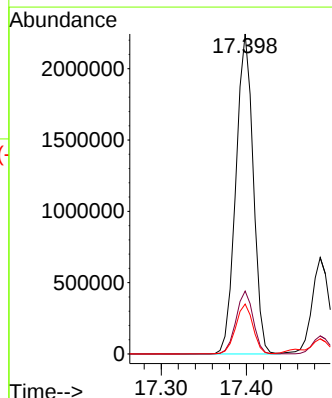
mohammad
6/4/2021 9:35:06 AM

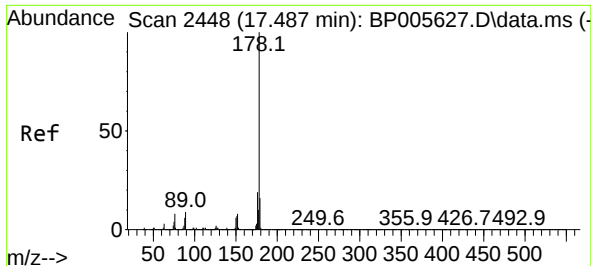


#71
Phenanthrene
Concen: 51.98 ng
RT: 17.398 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46



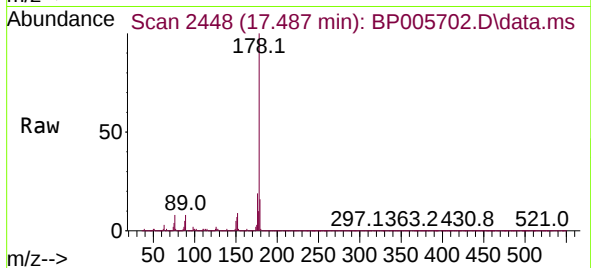
Tgt Ion:178 Resp: 3167443
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.6 12.3 18.5





#72
 Anthracene
 Concen: 15.35 ng
 RT: 17.487 min Scan# 2448
 Delta R.T. -0.000 min
 Lab File: BP005702.D
 Acq: 03 Jun 2021 23:46

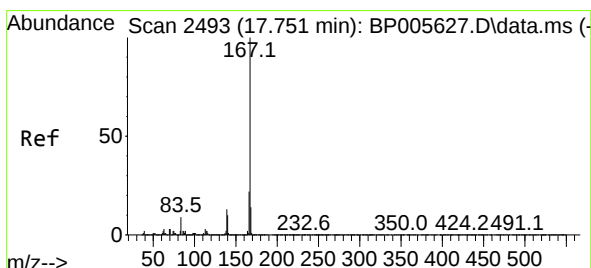
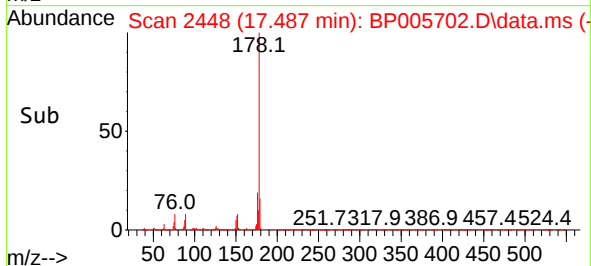
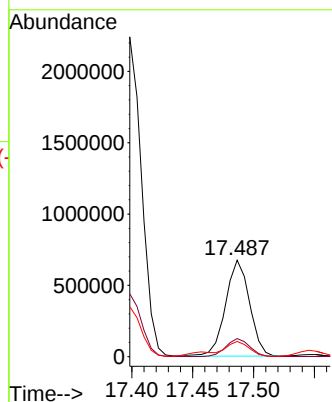
Instrument :
 BNA_P
 ClientSampleID :
 18-B5(0-2)DL



Tgt Ion:178 Resp: 923857
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 15.8 12.6 19.0

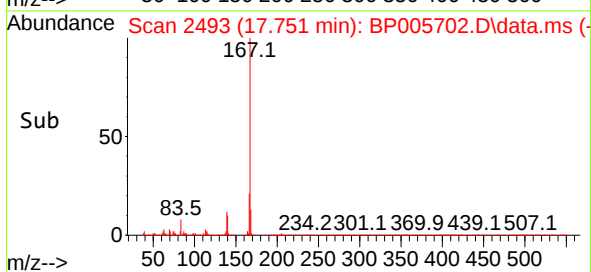
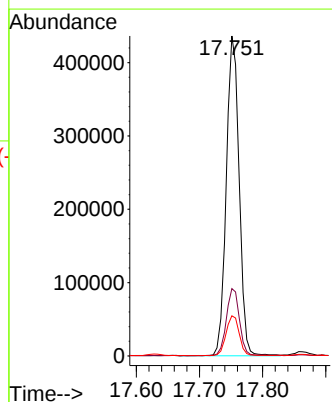
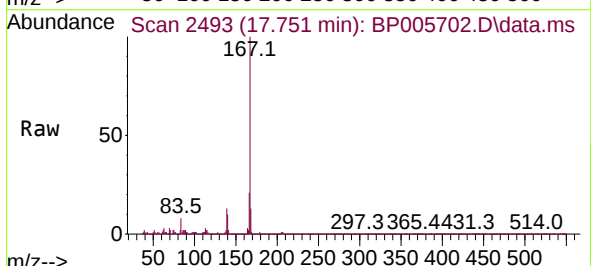
Manual Integrations
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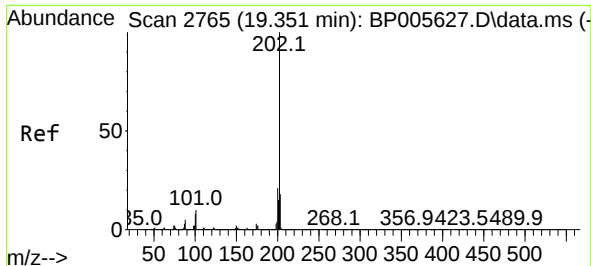
mohammad
 6/4/2021 9:35:06 AM



#73
 Carbazole
 Concen: 10.40 ng
 RT: 17.751 min Scan# 2493
 Delta R.T. -0.000 min
 Lab File: BP005702.D
 Acq: 03 Jun 2021 23:46

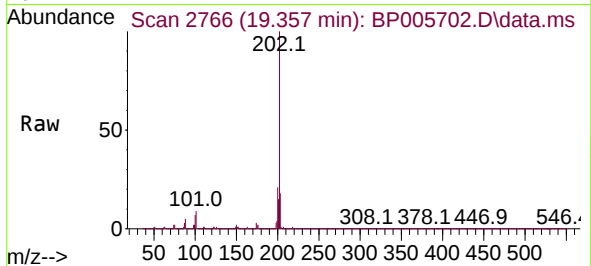
Tgt Ion:167 Resp: 615831
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.4 26.0
 139 12.6 10.4 15.6





#75
Fluoranthene
Concen: 36.87 ng
RT: 19.357 min Scan# 2766
Delta R.T. 0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

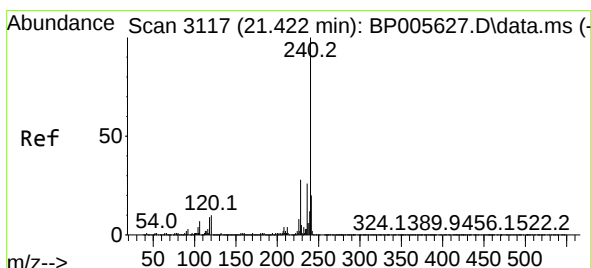
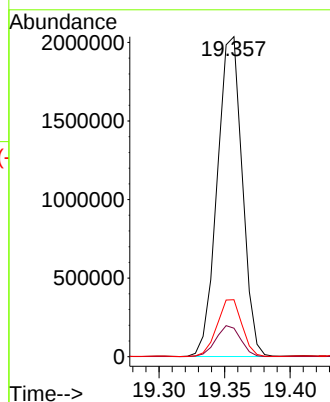
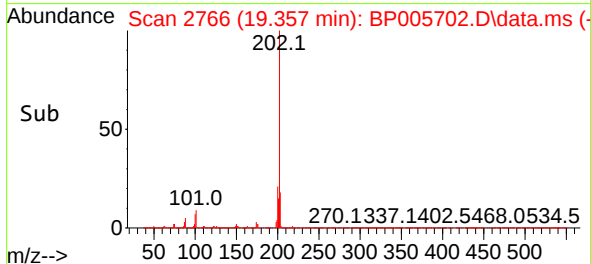
Instrument :
BNA_P
ClientSampled :
18-B5(0-2)DL



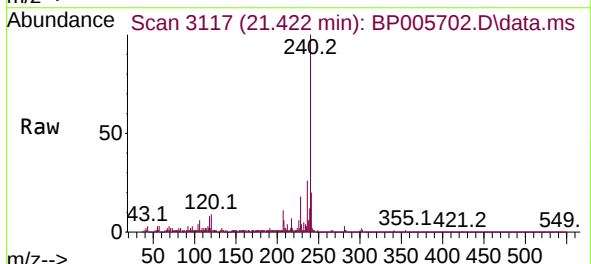
Tgt Ion:202 Resp: 2696800
Ion Ratio Lower Upper
202 100
101 8.9 0.0 26.1
203 17.8 0.0 37.2

Manual Integrations
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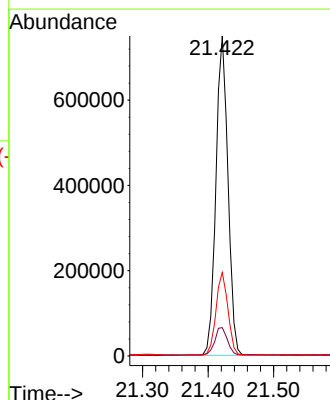
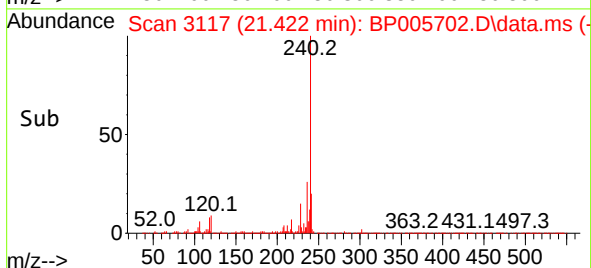
mohammad
6/4/2021 9:35:06 AM

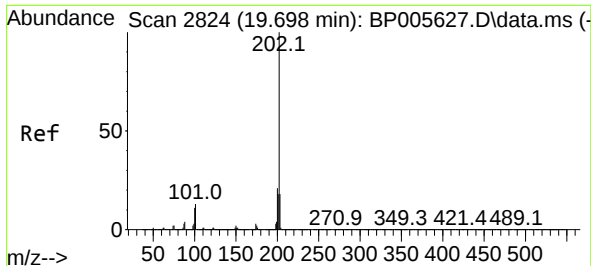


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.000 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46



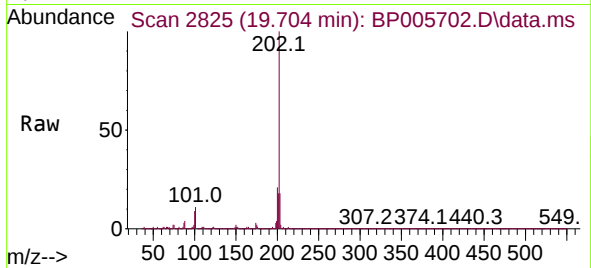
Tgt Ion:240 Resp: 952742
Ion Ratio Lower Upper
240 100
120 8.9 4.2 6.2#
236 26.1 20.2 30.2





#78
Pyrene
Concen: 32.69 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

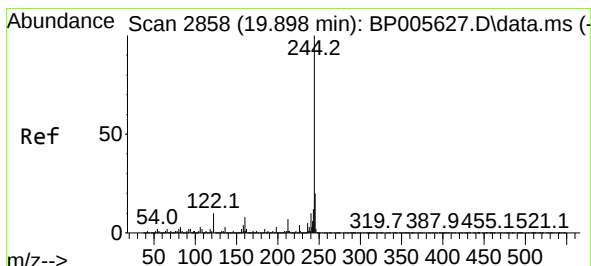
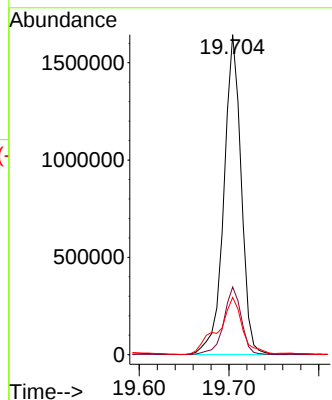
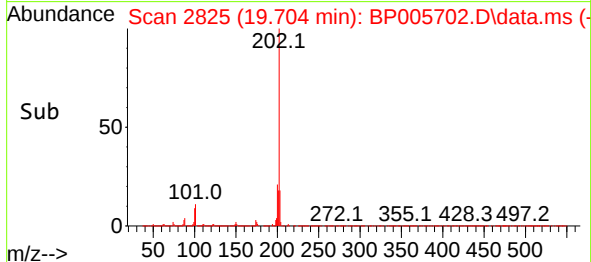
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)DL



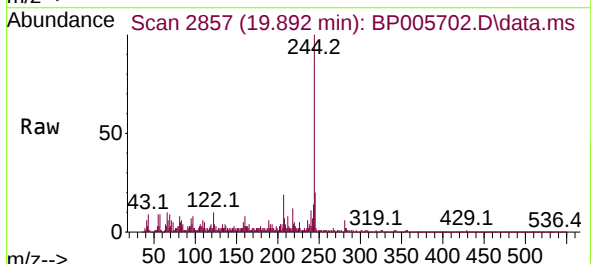
Tgt Ion:202 Resp: 2197348
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.9 13.8 20.6

Manual Integrations
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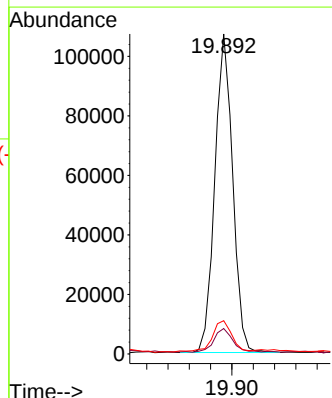
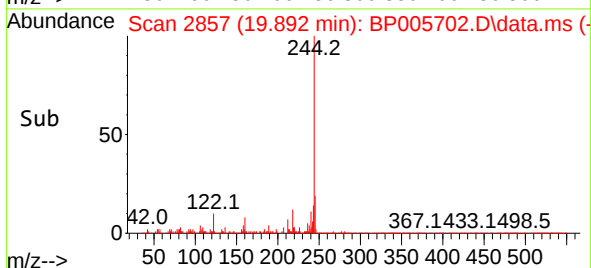
mohammad
6/4/2021 9:35:06 AM

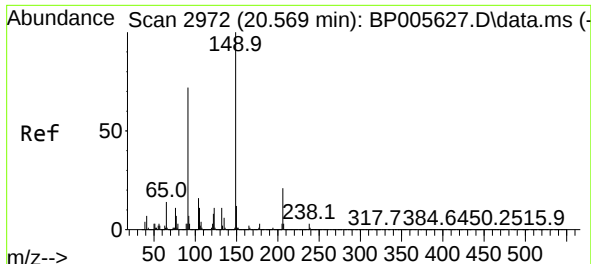


#79
Terphenyl-d14
Concen: 2.45 ng
RT: 19.892 min Scan# 2857
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46



Tgt Ion:244 Resp: 124517
Ion Ratio Lower Upper
244 100
212 7.9 5.8 8.6
122 10.4 5.2 7.8#





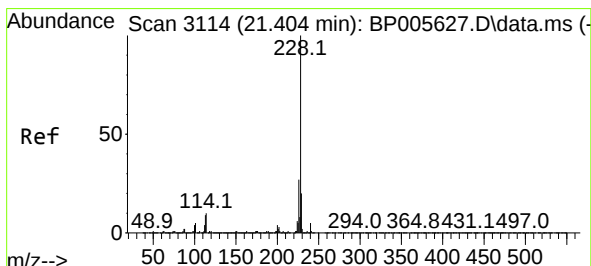
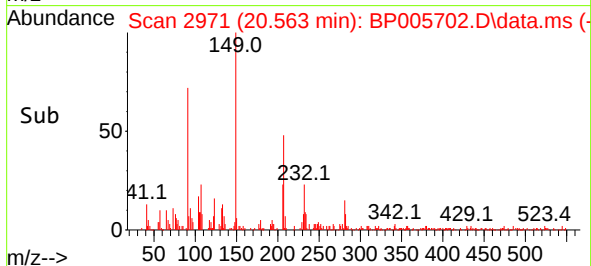
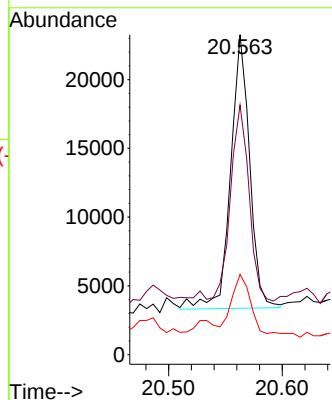
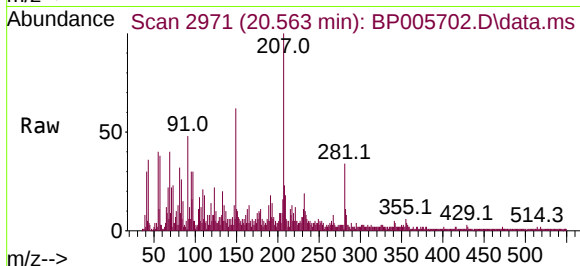
#80
Butylbenzylphthalate
Concen: 4.91 ng
RT: 20.563 min Scan# 2971
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

Tgt Ion	Ratio	Lower	Upper
149	100		
91	78.0	60.2	90.4
206	25.1	23.9	35.9

Instrument :
BNA_P
ClientSampled :
18-B5(0-2)DL

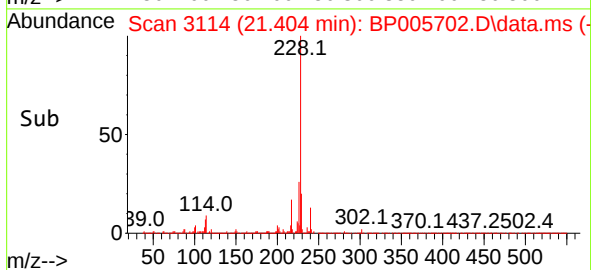
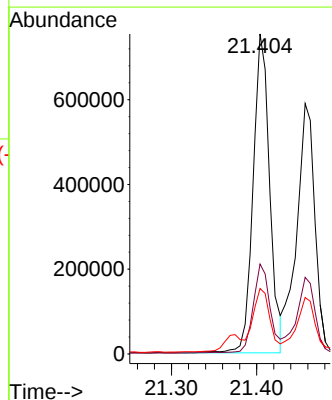
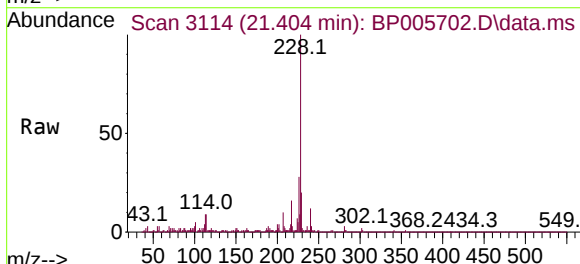
Manual Integrations
APPROVED

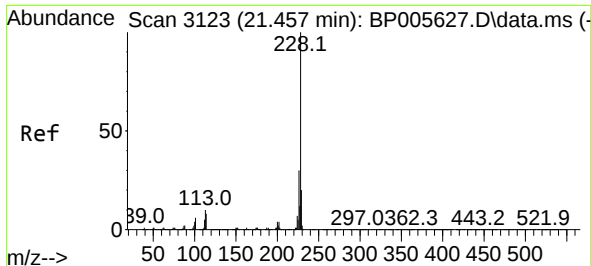
mohammad
6/4/2021 9:35:06 AM



#81
Benzo(a)anthracene
Concen: 14.55 ng
RT: 21.404 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

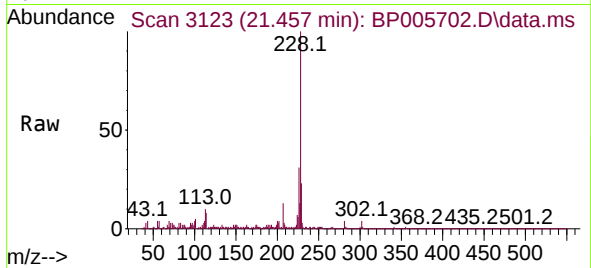
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.2	31.8
229	20.4	15.6	23.4





#83
Chrysene
Concen: 12.92 ng
RT: 21.457 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

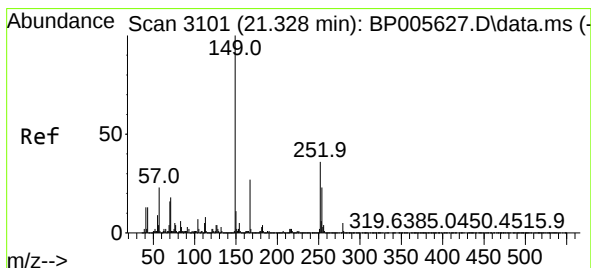
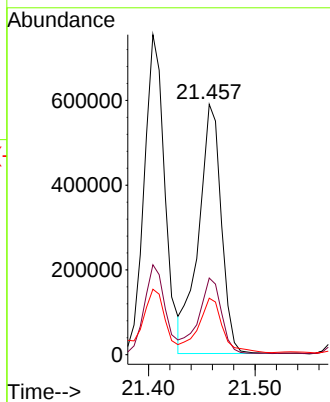
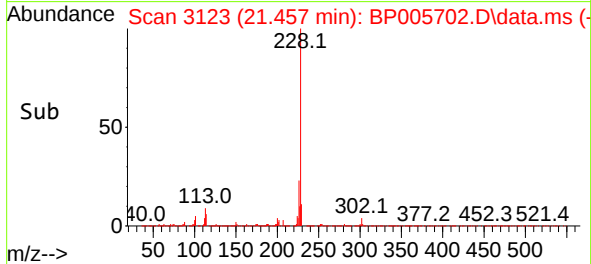
Instrument :
BNA_P
ClientSampled :
18-B5(0-2)DL



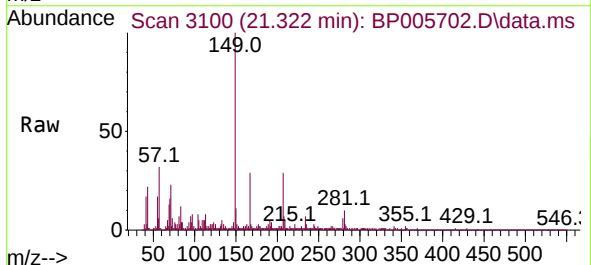
Tgt Ion:228 Resp: 874554
Ion Ratio Lower Upper
228 100
226 30.6 24.8 37.2
229 22.6 15.4 23.0

Manual Integrations
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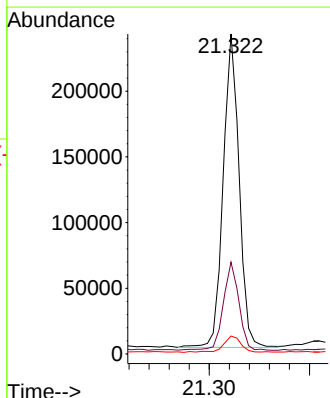
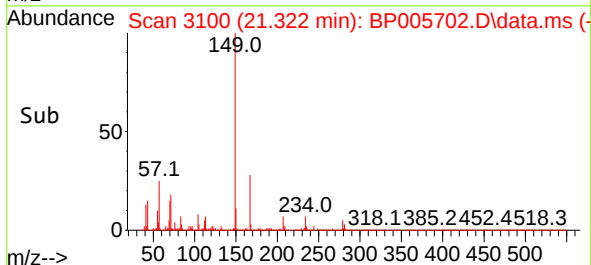
mohammad
6/4/2021 9:35:06 AM

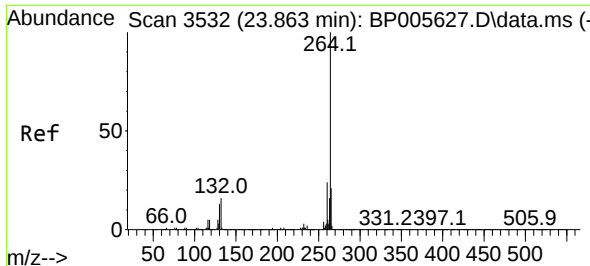


#84
Bis(2-ethylhexyl)phthalate
Concen: 6.90 ng
RT: 21.322 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46



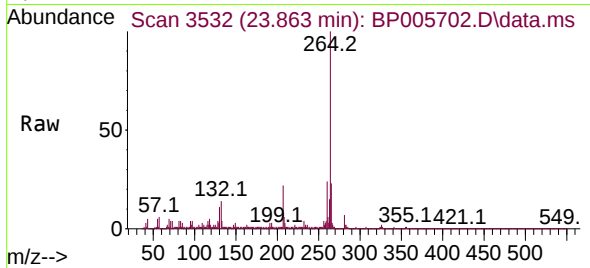
Tgt Ion:149 Resp: 262145
Ion Ratio Lower Upper
149 100
167 28.7 23.8 35.8
279 5.6 5.7 8.5#





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.863 min Scan# 3532
Delta R.T. -0.000 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

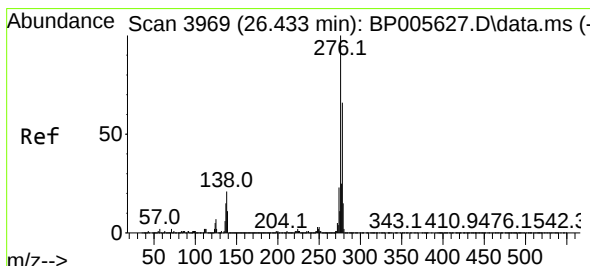
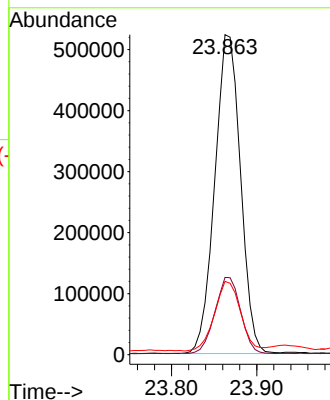
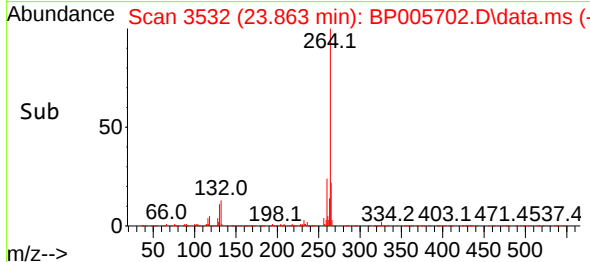
Instrument :
BNA_P
ClientSampled :
18-B5(0-2)DL



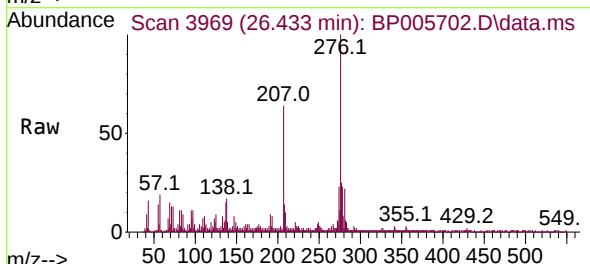
Tgt Ion:264 Resp: 1095238
Ion Ratio Lower Upper
264 100
260 24.2 20.6 30.8
265 22.9 19.0 28.6

Manual Integrations
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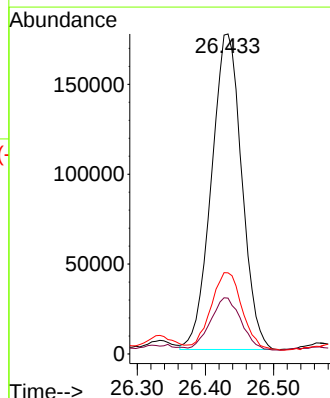
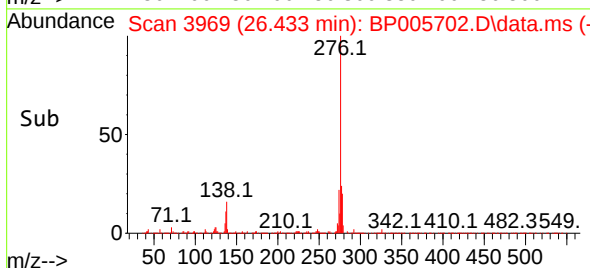
mohammad
6/4/2021 9:35:06 AM

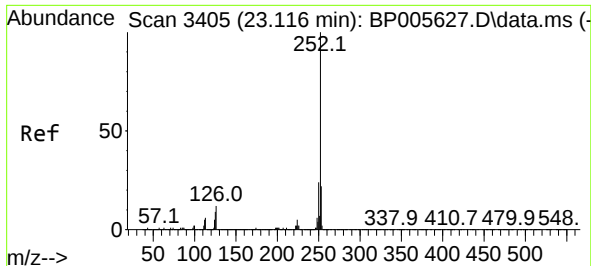


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.84 ng
RT: 26.433 min Scan# 3969
Delta R.T. -0.000 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46



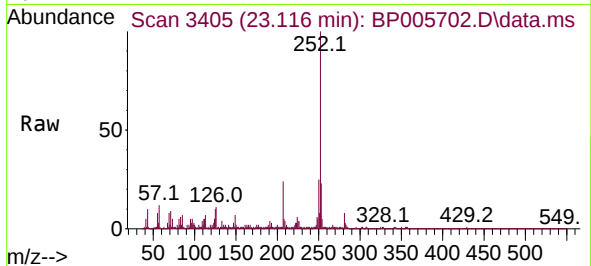
Tgt Ion:276 Resp: 543876
Ion Ratio Lower Upper
276 100
138 16.9 8.4 12.6#
277 25.4 20.6 31.0





#88
Benzo(b)fluoranthene
Concen: 14.24 ng
RT: 23.116 min Scan# 3405
Delta R.T. -0.000 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

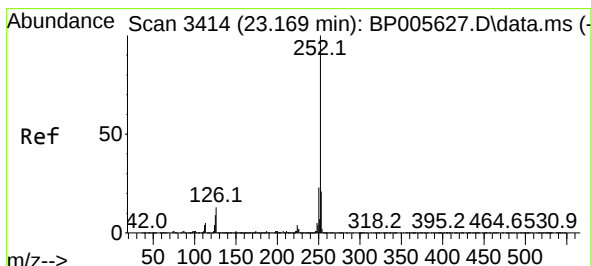
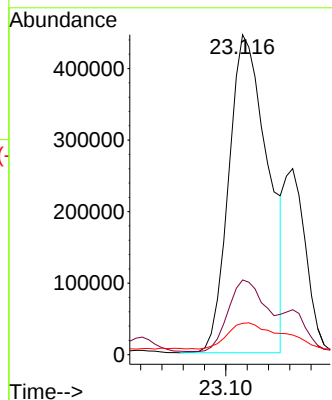
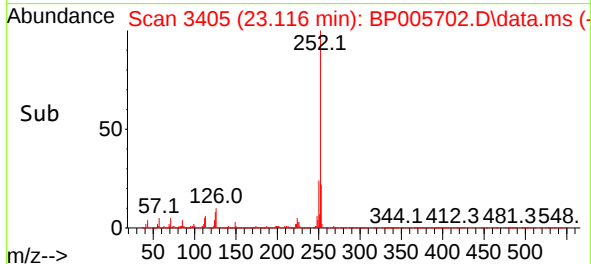
Instrument :
BNA_P
ClientSampleID :
18-B5(0-2)DL



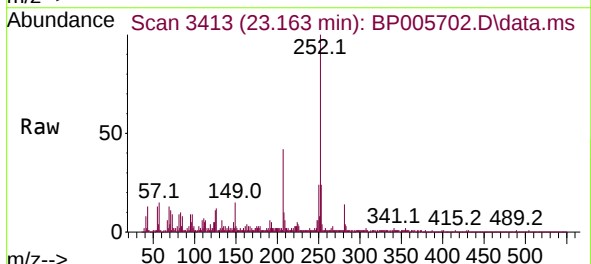
Tgt Ion:252 Resp: 1131684
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.2
125 9.8 3.4 5.0#

Manual Integrations
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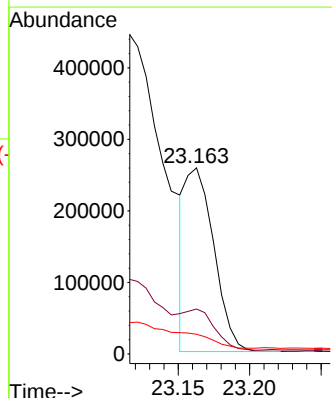
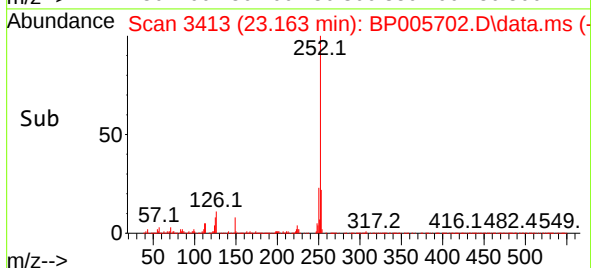
mohammad
6/4/2021 9:35:06 AM

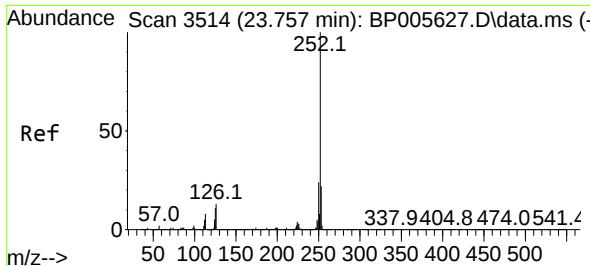


#89
Benzo(k)fluoranthene
Concen: 4.71 ng m
RT: 23.163 min Scan# 3413
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46



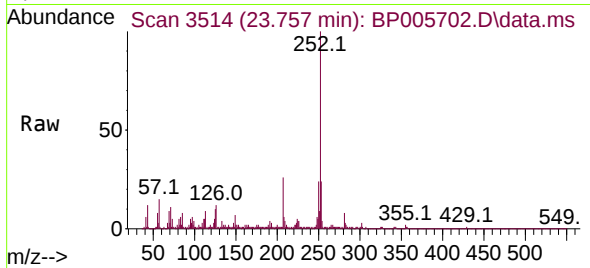
Tgt Ion:252 Resp: 354543
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 10.6 3.8 5.6#





#90
Benzo(a)pyrene
Concen: 11.68 ng
RT: 23.757 min Scan# 3514
Delta R.T. -0.000 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

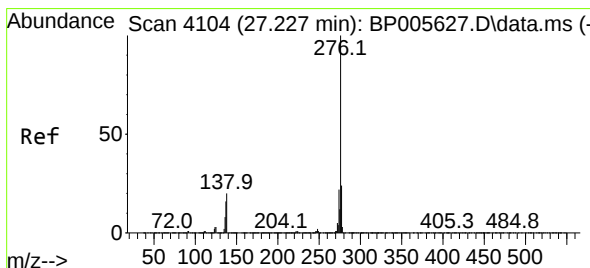
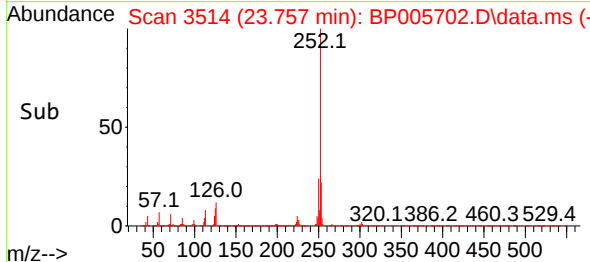
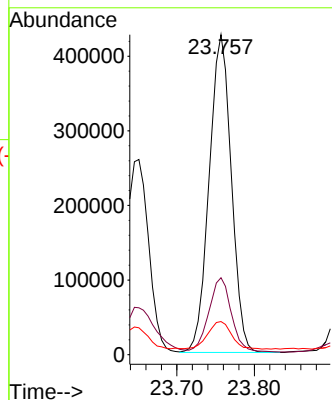
Instrument :
BNA_P
ClientSampled :
18-B5(0-2)DL



Tgt Ion:252 Resp: 844569
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 10.3 3.8 5.6#

Manual Integrations
APPROVED

mohammad
6/4/2021 9:35:06 AM



#92
Benzo(g,h,i)perylene
Concen: 6.74 ng
RT: 27.221 min Scan# 4103
Delta R.T. -0.006 min
Lab File: BP005702.D
Acq: 03 Jun 2021 23:46

Tgt Ion:276 Resp: 525460
Ion Ratio Lower Upper
276 100
277 25.7 19.8 29.8
138 18.1 7.7 11.5#

