

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063021\
 Data File : BP006123.D
 Acq On : 30 Jun 2021 23:56
 Operator : CG/JU
 Sample : M2886-05DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR-24DL

Manual Integrations
 APPROVED

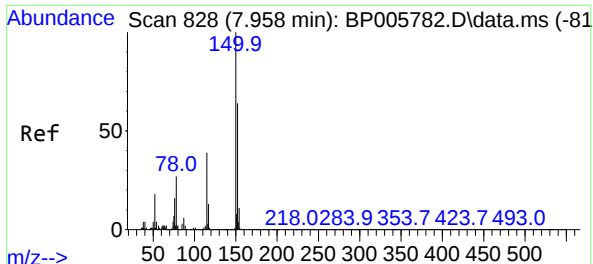
mohammad
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Quant Time: Jul 01 03:09:35 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 30 16:39:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	101135	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	361502	20.000	ng	0.00
39) Acenaphthene-d10	14.522	164	209507	20.000	ng	0.00
64) Phenanthrene-d10	17.275	188	429240	20.000	ng	0.00
76) Chrysene-d12	21.351	240	518754	20.000	ng	# 0.00
86) Perylene-d12	23.757	264	613976	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	16178	2.567	ng	0.00
7) Phenol-d6	7.093	99	17248	2.111	ng	0.02
23) Nitrobenzene-d5	9.075	82	12586m	1.707	ng	0.02
42) 2,4,6-Tribromophenol	16.022	330	9096	2.530	ng	0.00
45) 2-Fluorobiphenyl	13.151	172	30402	1.906	ng	0.00
79) Terphenyl-d14	19.822	244	55779	2.013	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.587	154	43279	3.368	ng	99
58) Fluorene	15.575	166	44027	2.674	ng	98
71) Phenanthrene	17.316	178	929278	36.050	ng	99
72) Anthracene	17.410	178	190344	7.503	ng	98
73) Carbazole	17.686	167	89196	3.662	ng	98
75) Fluoranthene	19.280	202	1516047	48.428	ng	98
78) Pyrene	19.633	202	1361179	37.586	ng	100
81) Benzo(a)anthracene	21.339	228	739689	19.753	ng	98
83) Chrysene	21.392	228	704116m	19.413	ng	
87) Indeno(1,2,3-cd)pyrene	26.274	276	563677	10.736	ng	97
88) Benzo(b)fluoranthene	23.021	252	997009	23.709	ng	98
89) Benzo(k)fluoranthene	23.063	252	346865m	8.506	ng	
90) Benzo(a)pyrene	23.651	252	753512	19.059	ng	# 98
91) Dibenzo(a,h)anthracene	26.274	278	139964	3.097	ng	# 83
92) Benzo(g,h,i)perylene	27.057	276	544962	12.208	ng	96

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



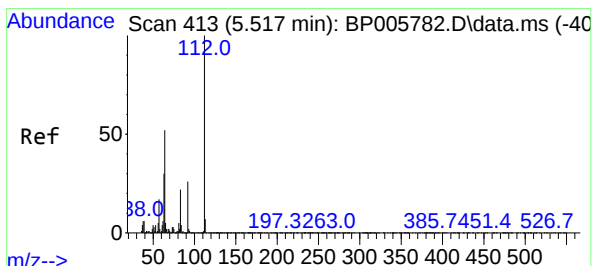
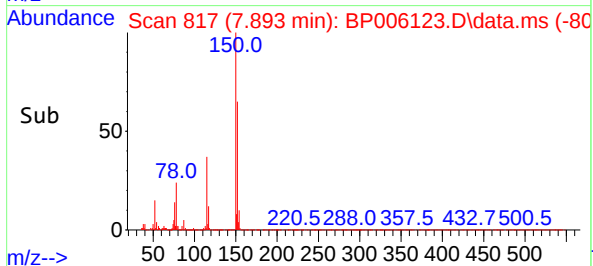
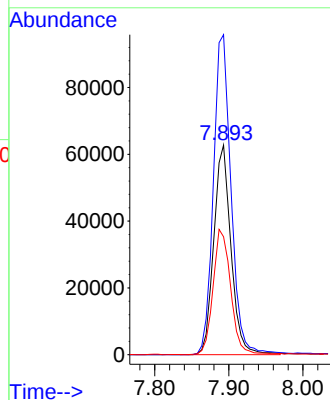
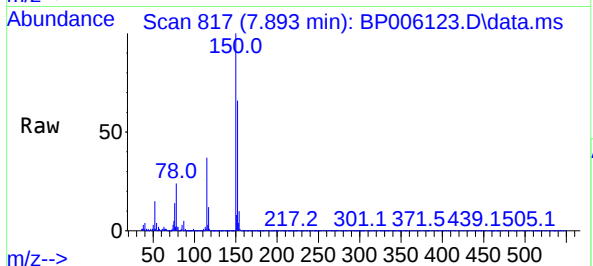
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 817
Delta R.T. -0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:152 Resp: 101135
Ion Ratio Lower Upper
152 100
150 152.7 125.6 188.4
115 56.2 48.5 72.7

Instrument :
BNA_P
ClientSampleId :
RBR-24DL

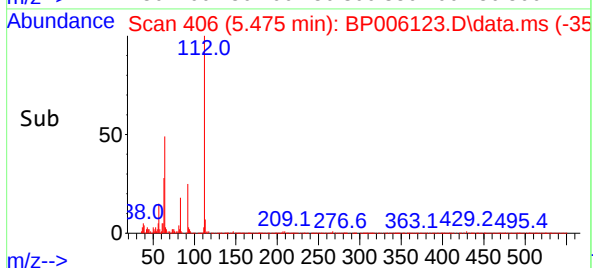
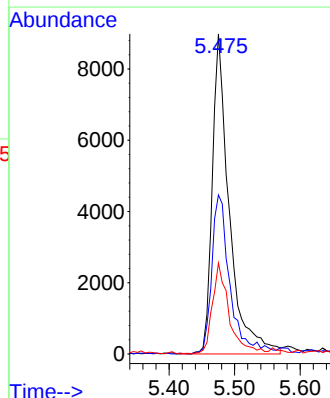
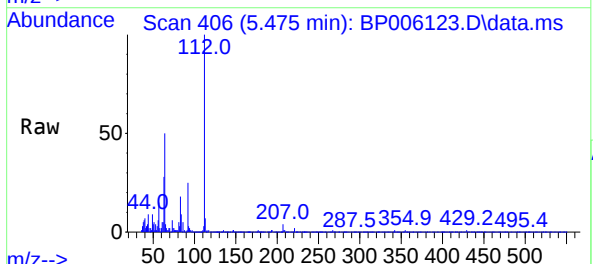
Manual Integrations
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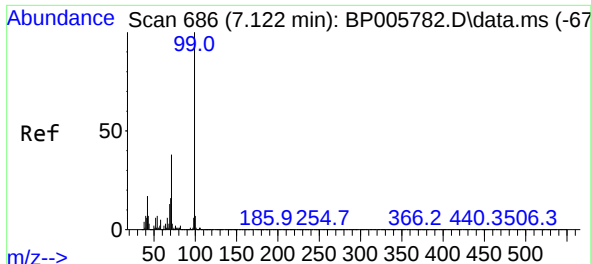
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#5
2-Fluorophenol
Concen: 2.567 ng
RT: 5.475 min Scan# 406
Delta R.T. 0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:112 Resp: 16178
Ion Ratio Lower Upper
112 100
64 49.7 41.4 62.2
63 28.5 23.8 35.8





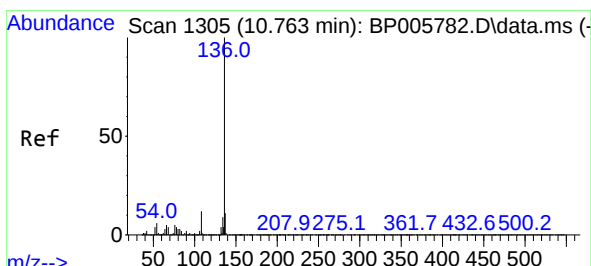
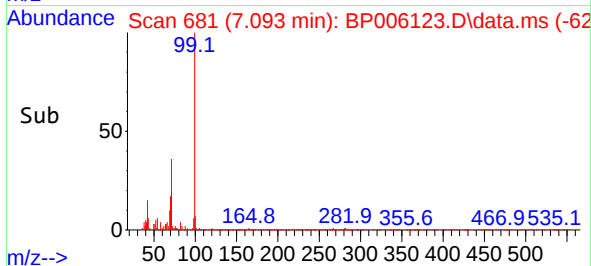
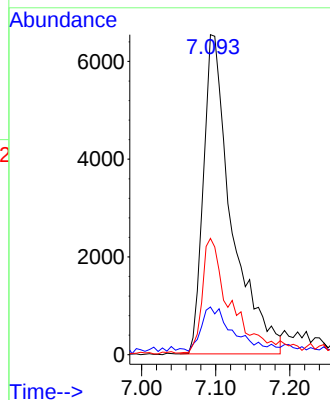
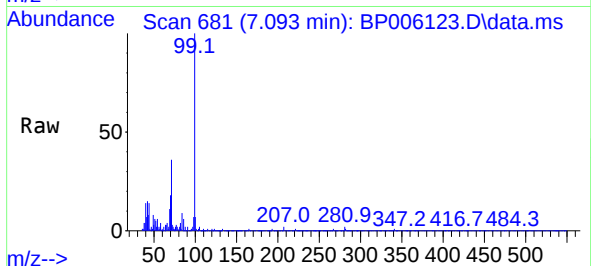
#7
Phenol-d6
Concen: 2.111 ng
RT: 7.093 min Scan# 681
Delta R.T. 0.018 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Instrument :
BNA_P
ClientSampleID :
RBR-24DL

Tgt Ion: 99 Resp: 17248
Ion Ratio Lower Upper
99 100
42 14.9 13.4 20.0
71 36.3 30.6 46.0

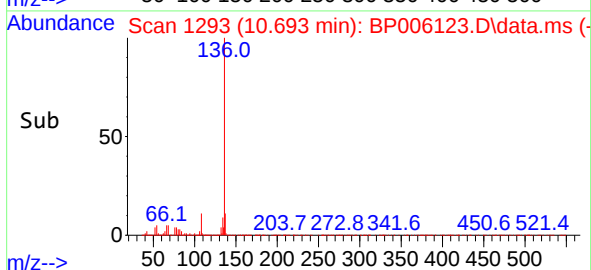
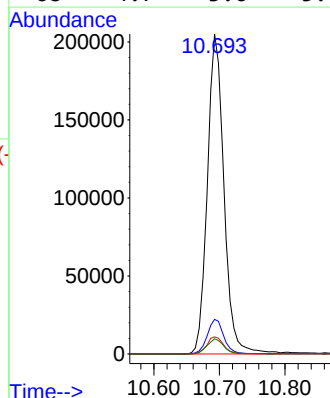
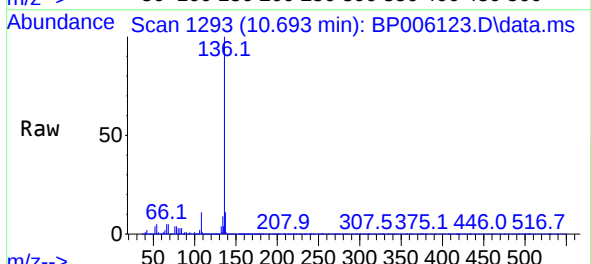
Manual Integrations
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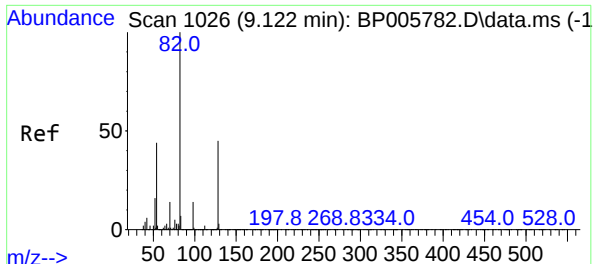
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

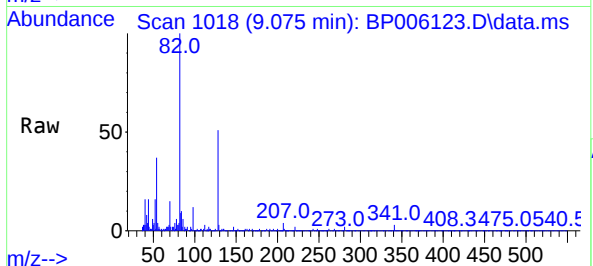
Tgt Ion: 136 Resp: 361502
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 5.4 4.6 6.8
68 4.7 3.6 5.4





#23
Nitrobenzene-d5
Concen: 1.707 ng m
RT: 9.075 min Scan# 1018
Delta R.T. 0.018 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

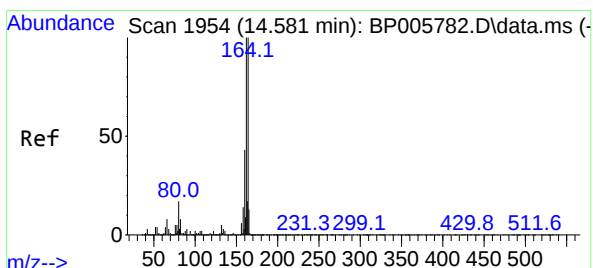
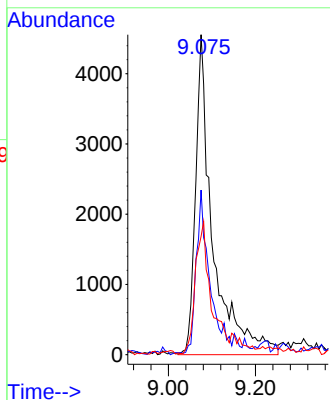
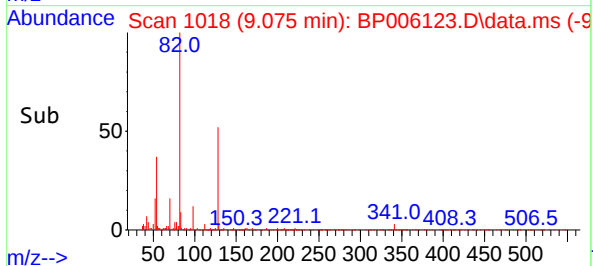
Instrument :
BNA_P
ClientSampled :
RBR-24DL



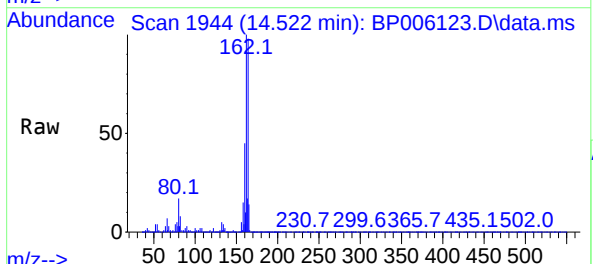
Tgt Ion: 82 Resp: 12586
Ion Ratio Lower Upper
82 100
128 51.4 35.7 53.5
54 36.9 35.0 52.4

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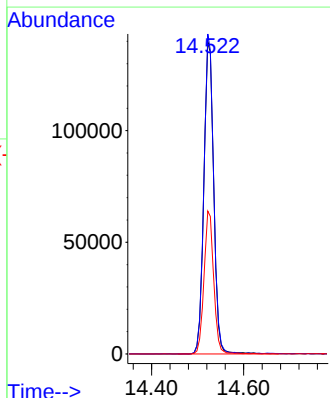
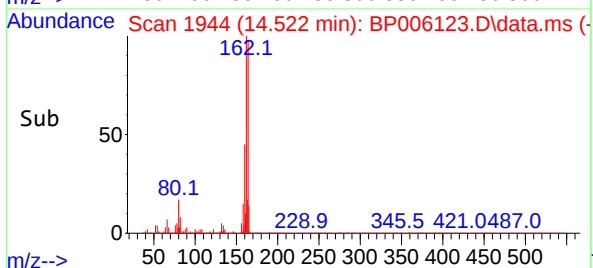
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56



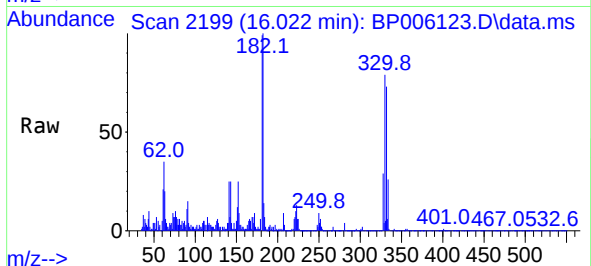
Tgt Ion: 164 Resp: 209507
Ion Ratio Lower Upper
164 100
162 102.5 80.2 120.2
160 45.8 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 2.530 ng
RT: 16.022 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

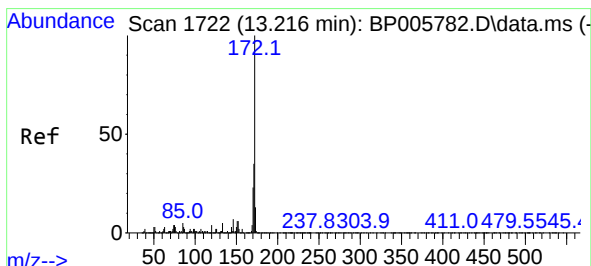
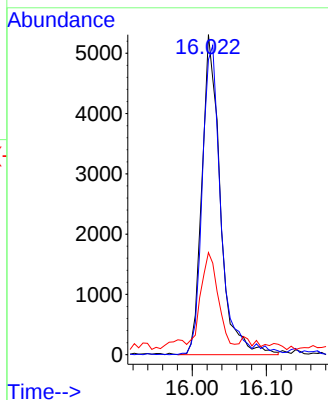
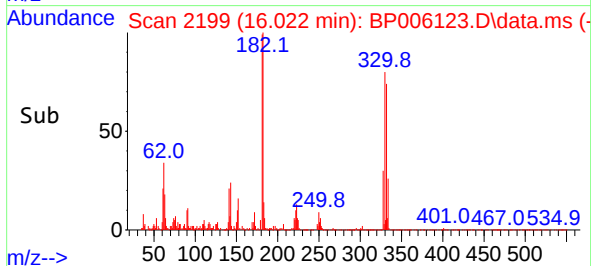
Instrument :
BNA_P
ClientSampleId :
RBR-24DL



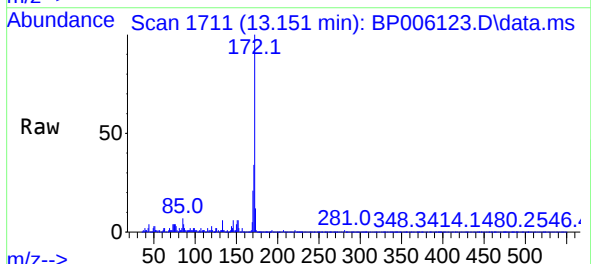
Tgt Ion:330 Resp: 9096
Ion Ratio Lower Upper
330 100
332 97.0 77.8 116.8
141 27.4 25.4 38.2

Manual Integrations
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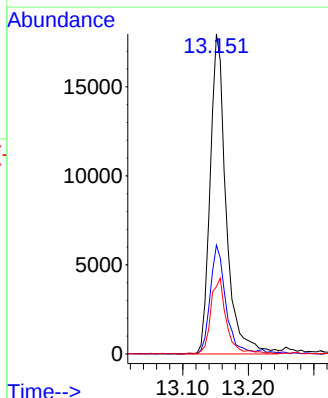
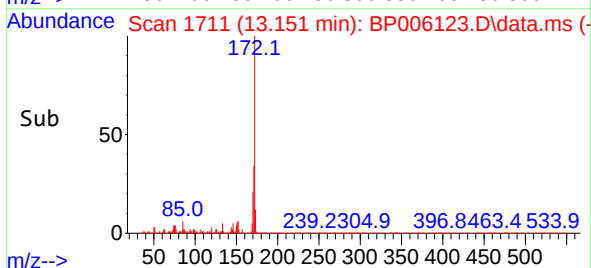
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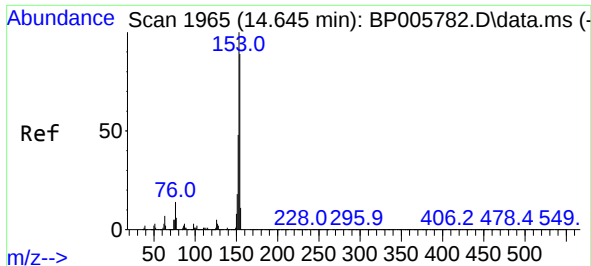


#45
2-Fluorobiphenyl
Concen: 1.906 ng
RT: 13.151 min Scan# 1711
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56



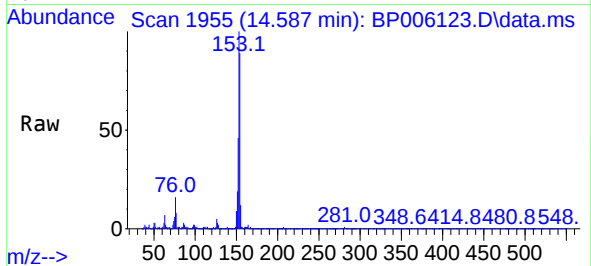
Tgt Ion:172 Resp: 30402
Ion Ratio Lower Upper
172 100
171 34.0 27.9 41.9
170 21.0 18.6 27.8





#52
Acenaphthene
Concen: 3.368 ng
RT: 14.587 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

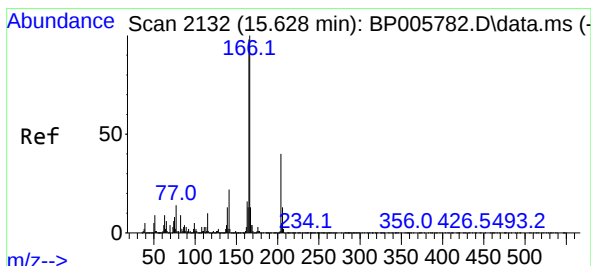
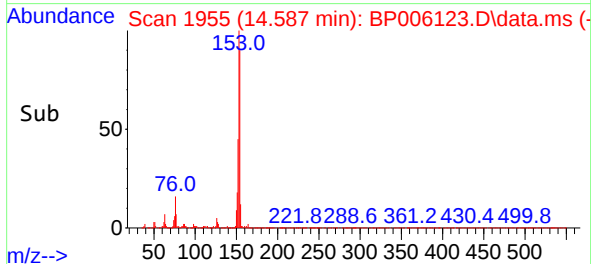
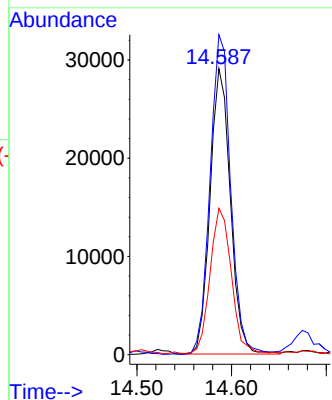
Instrument :
BNA_P
ClientSampleID :
RBR-24DL



Tgt Ion:154 Resp: 43279
Ion Ratio Lower Upper
154 100
153 111.9 89.4 134.2
152 51.2 43.0 64.4

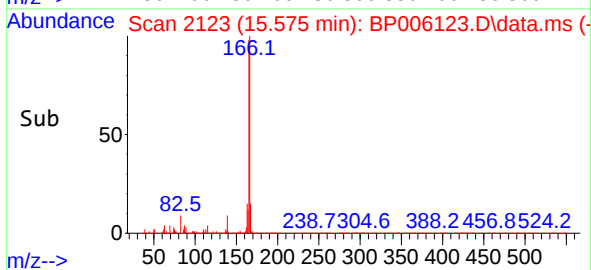
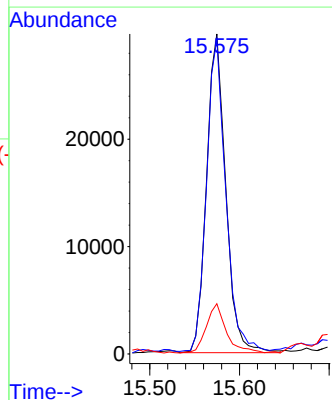
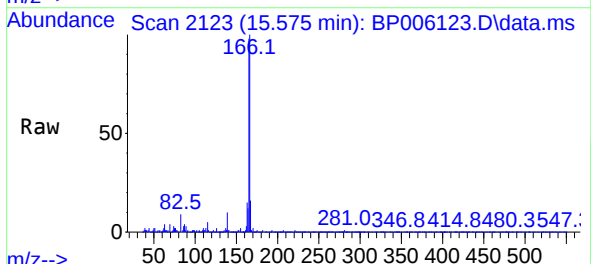
Manual Integrations
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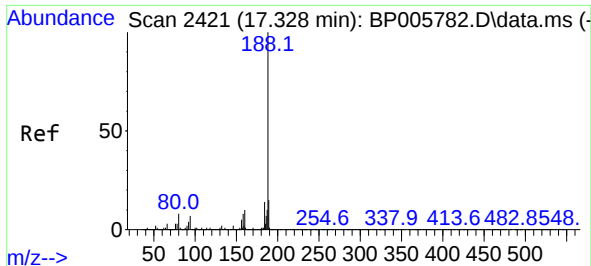
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#58
Fluorene
Concen: 2.674 ng
RT: 15.575 min Scan# 2123
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

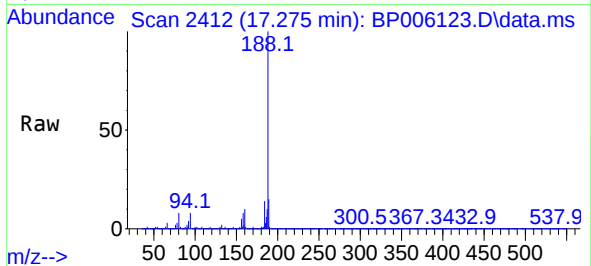
Tgt Ion:166 Resp: 44027
Ion Ratio Lower Upper
166 100
165 98.3 78.0 117.0
167 15.7 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

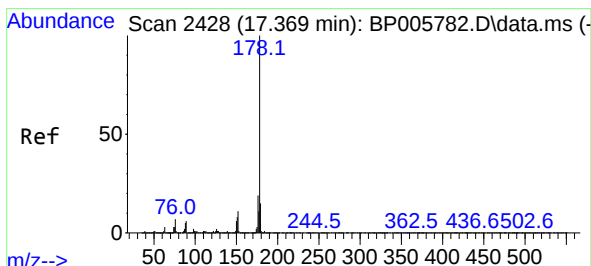
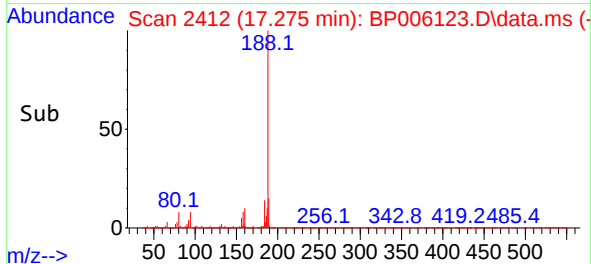
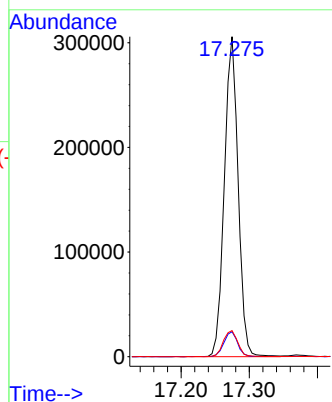
Instrument :
BNA_P
ClientSampleId :
RBR-24DL



Tgt Ion:188 Resp: 429240
Ion Ratio Lower Upper
188 100
94 7.8 5.6 8.4
80 8.1 6.3 9.5

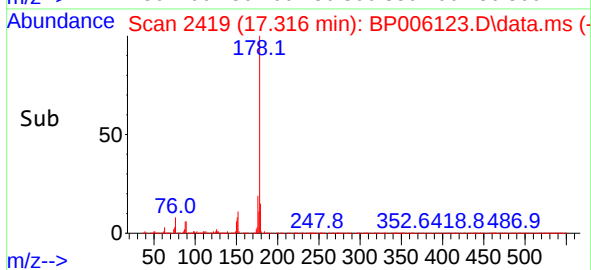
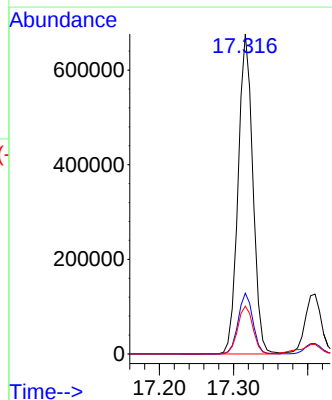
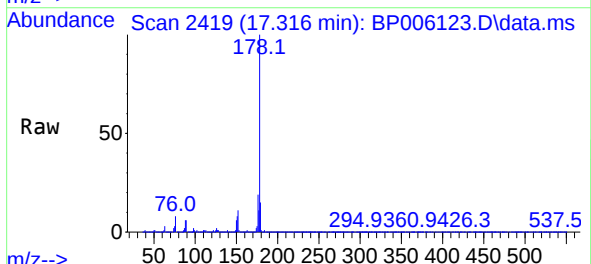
Manual Integrations
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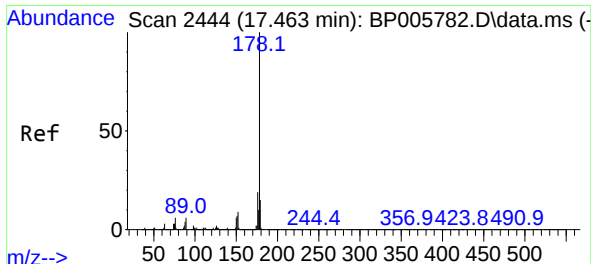
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#71
Phenanthrene
Concen: 36.050 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

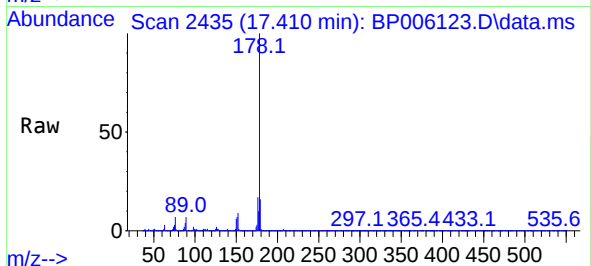
Tgt Ion:178 Resp: 929278
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 14.9 12.4 18.6





#72
 Anthracene
 Concen: 7.503 ng
 RT: 17.410 min Scan# 2435
 Delta R.T. 0.000 min
 Lab File: BP006123.D
 Acq: 30 Jun 2021 23:56

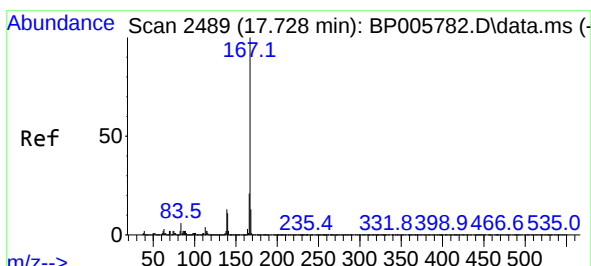
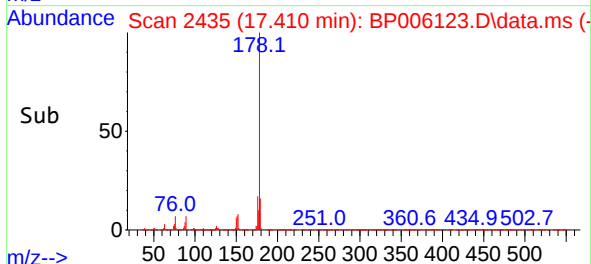
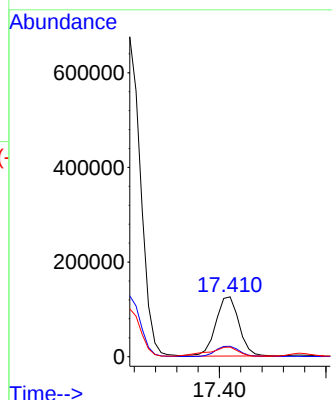
Instrument :
 BNA_P
 ClientSampleID :
 RBR-24DL



Tgt Ion:178 Resp: 190344
 Ion Ratio Lower Upper
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 176 17.3 14.9 22.3
 179 16.0 12.2 18.2

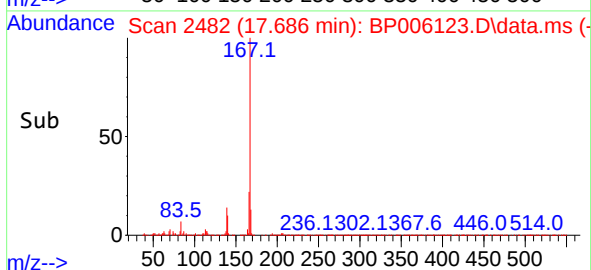
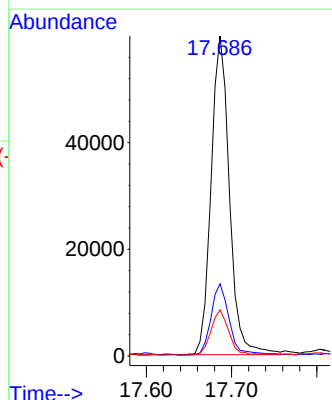
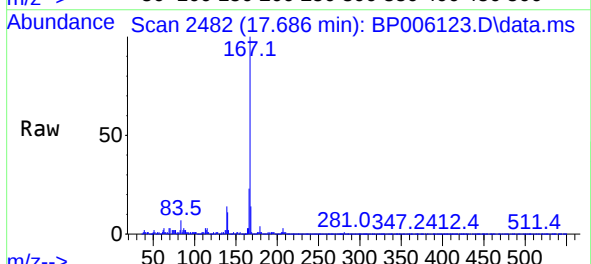
Manual Integrations
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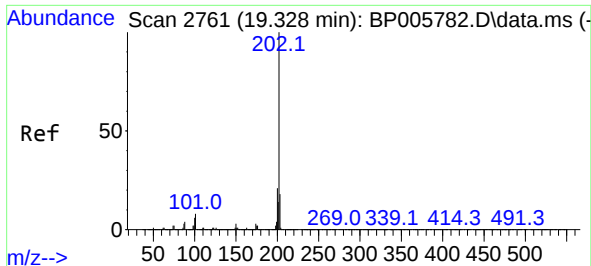
mohammad
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#73
 Carbazole
 Concen: 3.662 ng
 RT: 17.686 min Scan# 2482
 Delta R.T. 0.000 min
 Lab File: BP006123.D
 Acq: 30 Jun 2021 23:56

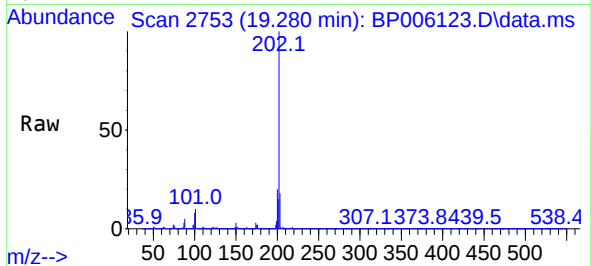
Tgt Ion:167 Resp: 89196
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.1 25.7
 139 14.4 10.7 16.1





#75
Fluoranthene
Concen: 48.428 ng
RT: 19.280 min Scan# 2753
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

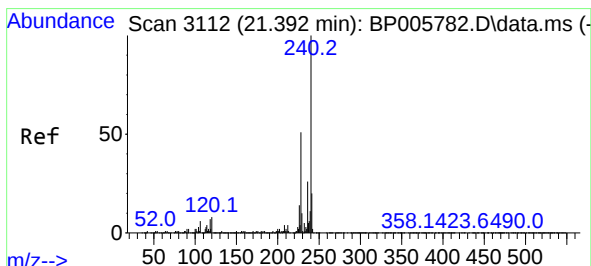
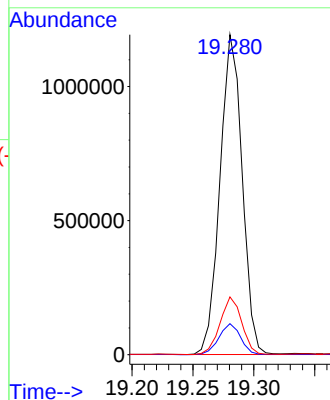
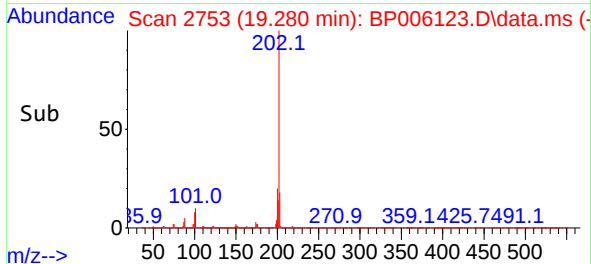
Instrument :
BNA_P
ClientSampleId :
RBR-24DL



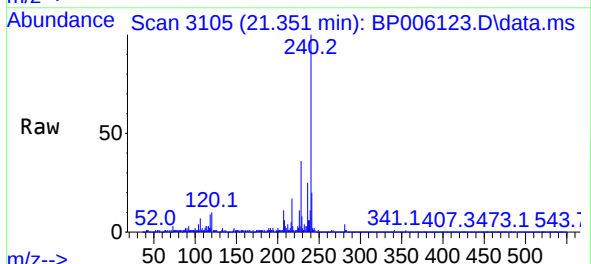
Tgt Ion:202 Resp: 1516047
Ion Ratio Lower Upper
202 100
101 9.7 0.0 27.6
203 18.0 0.0 37.8

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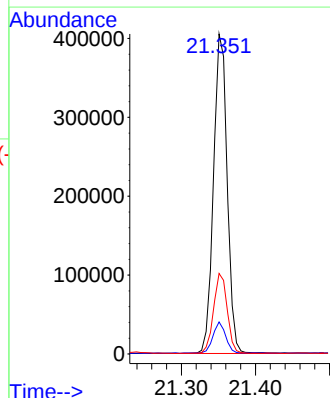
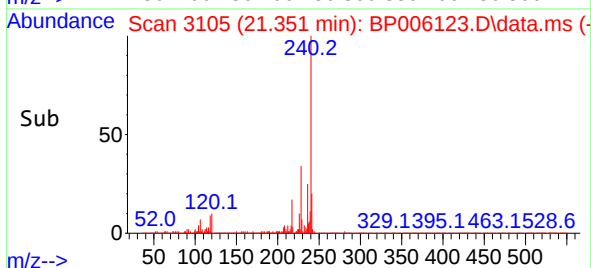
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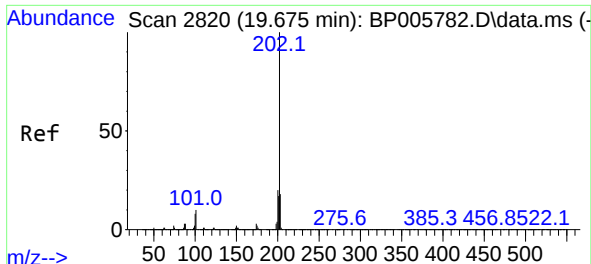


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.351 min Scan# 3105
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56



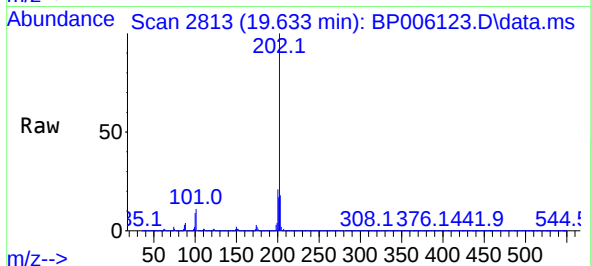
Tgt Ion:240 Resp: 518754
Ion Ratio Lower Upper
240 100
120 10.0 6.5 9.7#
236 25.2 20.6 31.0





#78
Pyrene
Concen: 37.586 ng
RT: 19.633 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

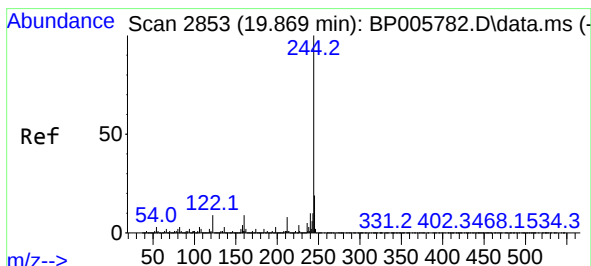
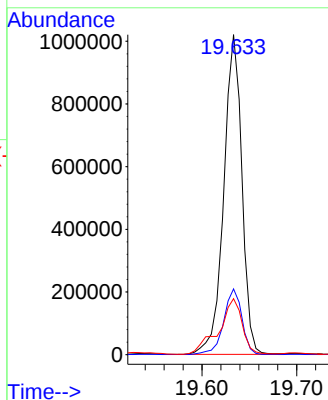
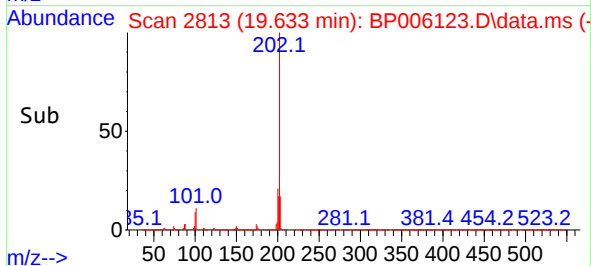
Instrument :
BNA_P
ClientSampleId :
RBR-24DL



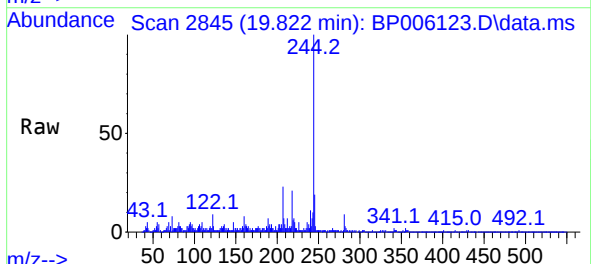
Tgt Ion:202 Resp: 1361179
Ion Ratio Lower Upper
202 100
200 20.6 16.3 24.5
203 17.5 14.2 21.2

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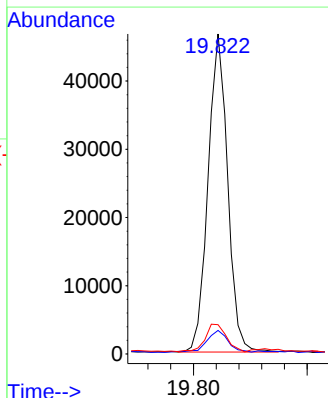
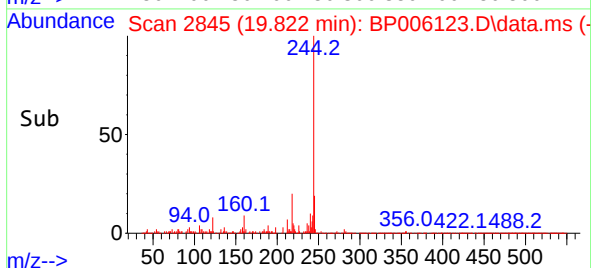
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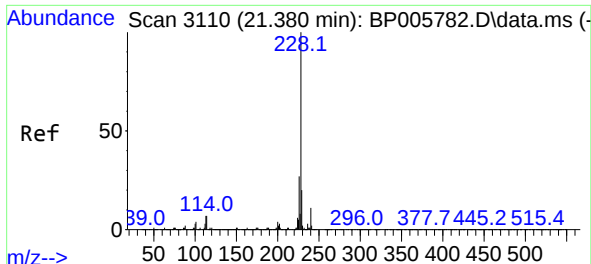


#79
Terphenyl-d14
Concen: 2.013 ng
RT: 19.822 min Scan# 2845
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56



Tgt Ion:244 Resp: 55779
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 9.2 7.1 10.7





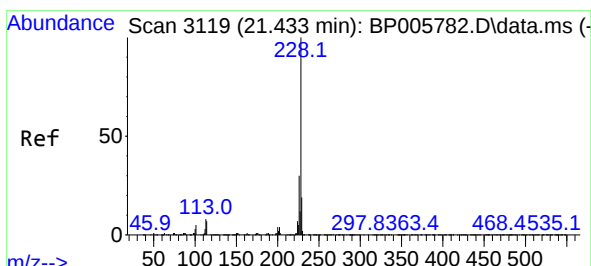
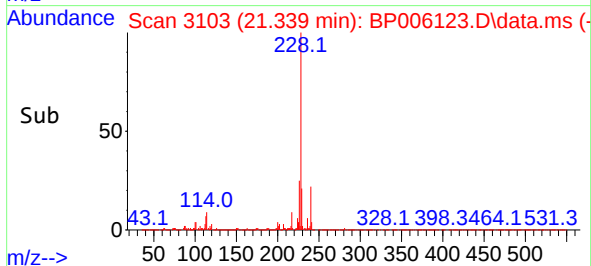
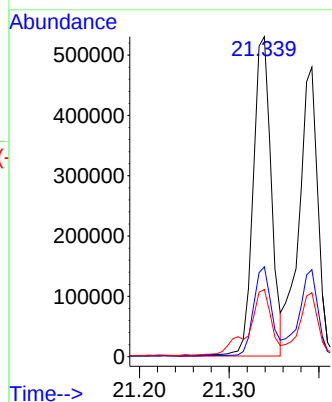
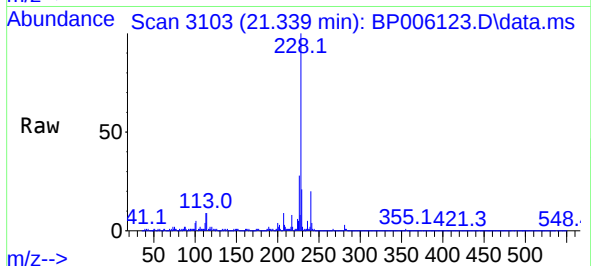
#81
Benzo(a)anthracene
Concen: 19.753 ng
RT: 21.339 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Tgt Ion:228 Resp: 739689
Ion Ratio Lower Upper
228 100
226 28.1 21.6 32.4
229 21.0 15.8 23.6

Instrument :
BNA_P
ClientSampleId :
RBR-24DL

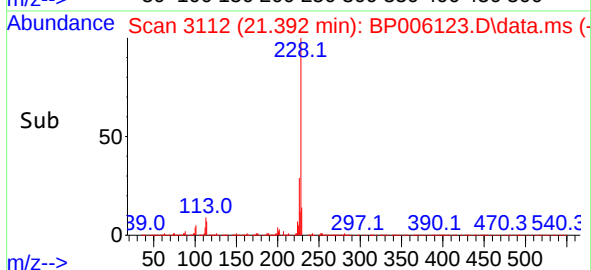
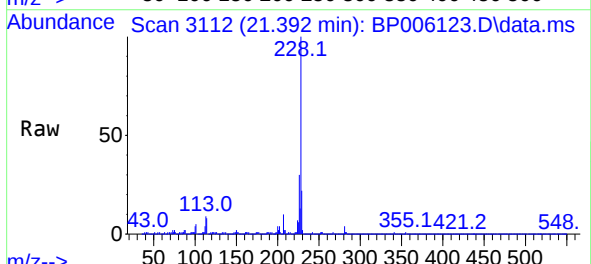
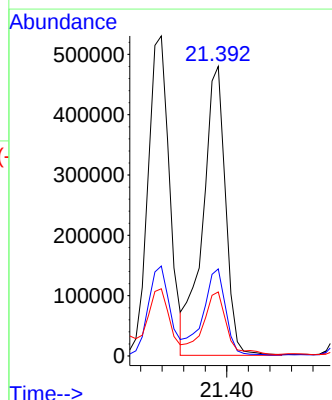
Manual Integrations
APPROVED

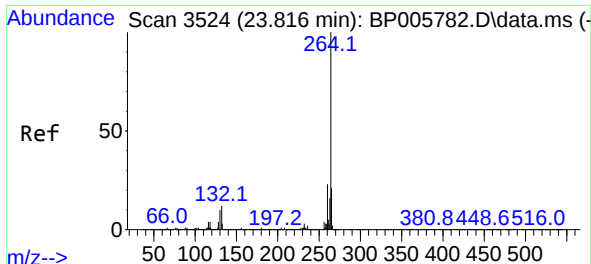
mohammad
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#83
Chrysene
Concen: 19.413 ng m
RT: 21.392 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

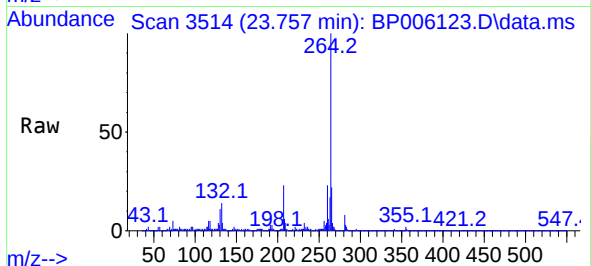
Tgt Ion:228 Resp: 704116
Ion Ratio Lower Upper
228 100
226 30.1 23.8 35.6
229 22.1 15.4 23.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

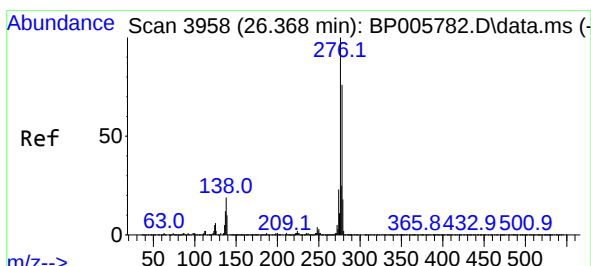
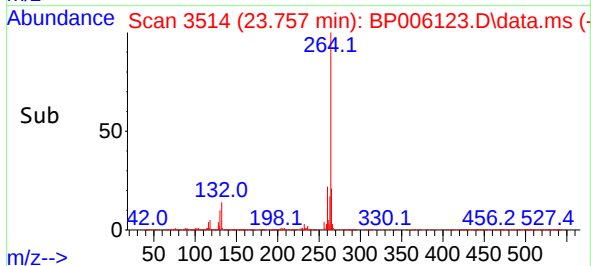
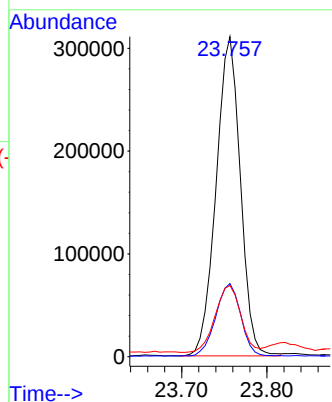
Instrument :
BNA_P
ClientSampled :
RBR-24DL



Tgt Ion:264 Resp: 613976
Ion Ratio Lower Upper
264 100
260 22.8 18.6 28.0
265 22.2 17.6 26.4

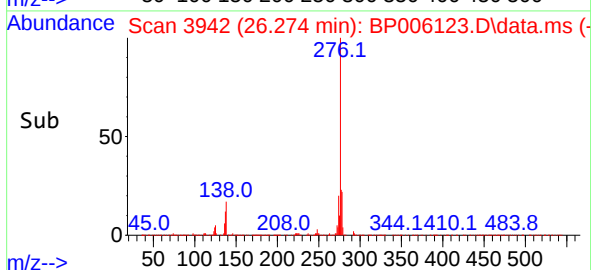
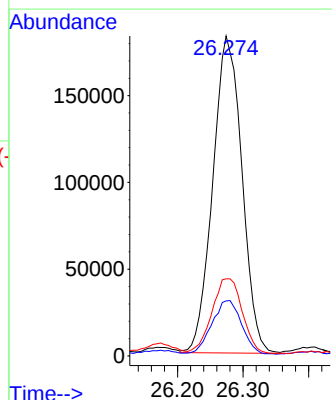
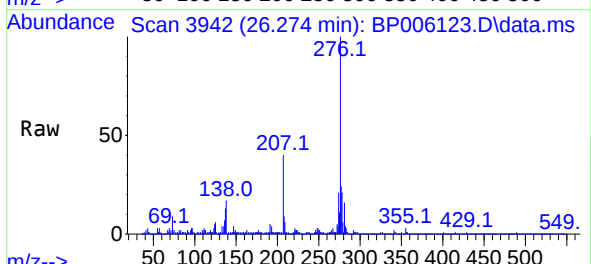
Manual Integrations
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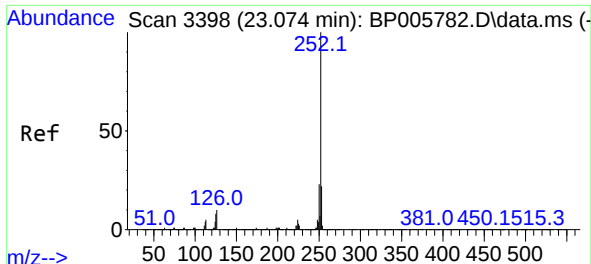
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#87
Indeno(1,2,3-cd)pyrene
Concen: 10.736 ng
RT: 26.274 min Scan# 3942
Delta R.T. -0.018 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

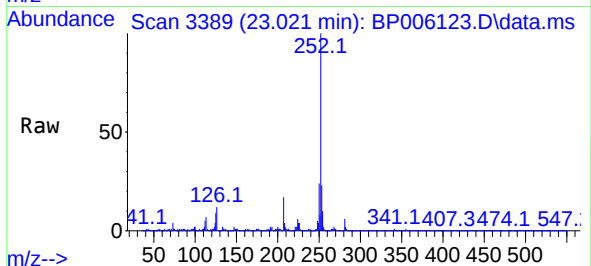
Tgt Ion:276 Resp: 563677
Ion Ratio Lower Upper
276 100
138 17.3 15.3 22.9
277 24.7 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 23.709 ng
RT: 23.021 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

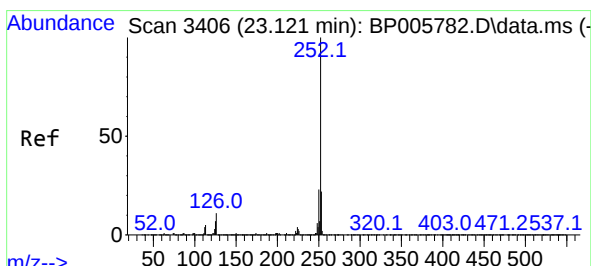
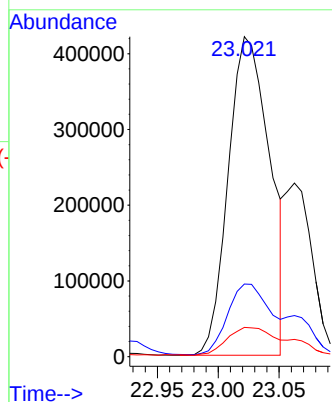
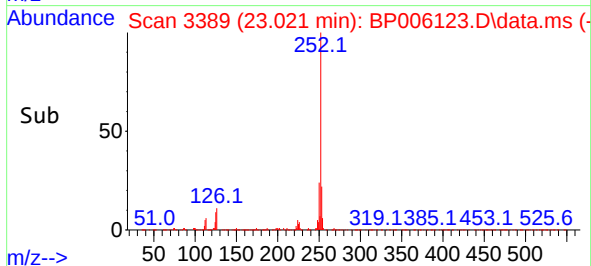
Instrument :
BNA_P
ClientSampleId :
RBR-24DL



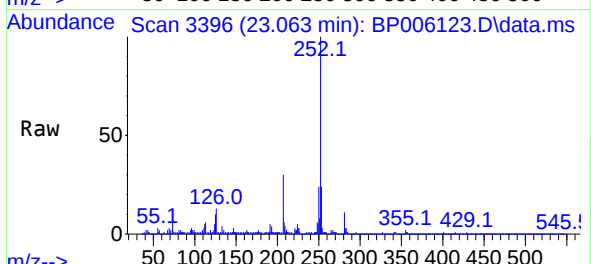
Tgt Ion:252 Resp: 997009
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 9.2 6.2 9.4

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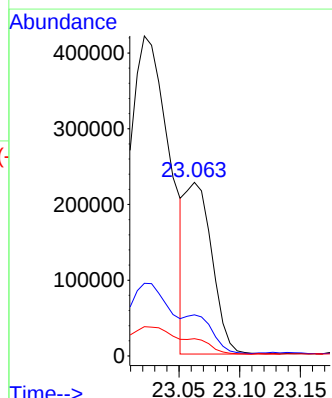
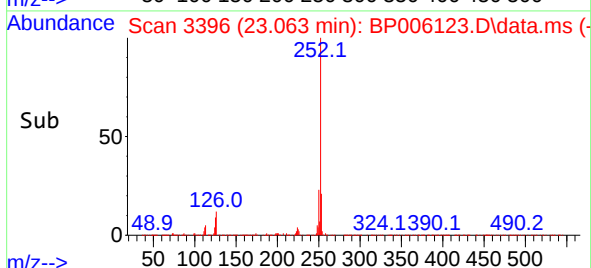
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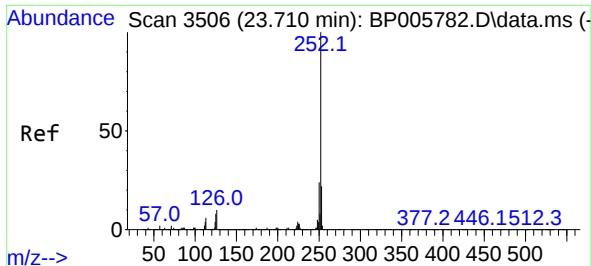


#89
Benzo(k)fluoranthene
Concen: 8.506 ng m
RT: 23.063 min Scan# 3396
Delta R.T. -0.012 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56



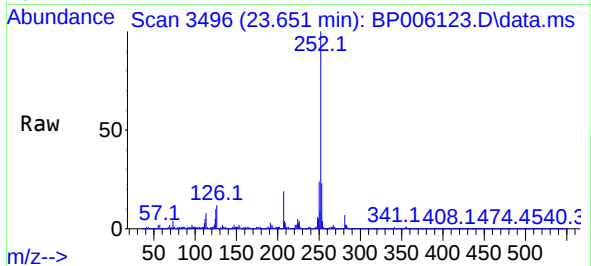
Tgt Ion:252 Resp: 346865
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 10.0 6.0 9.0#





#90
Benzo(a)pyrene
Concen: 19.059 ng
RT: 23.651 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

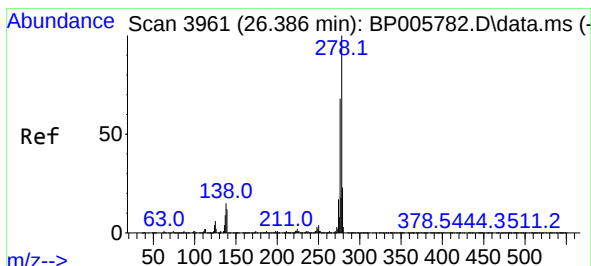
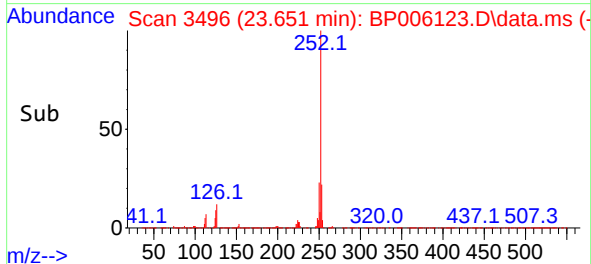
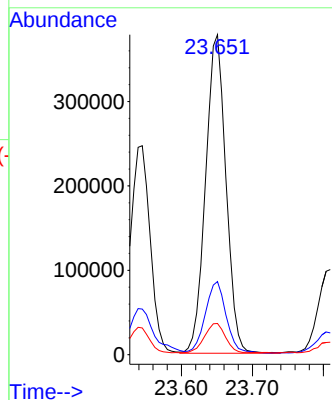
Instrument :
BNA_P
ClientSampled :
RBR-24DL



Tgt Ion:252 Resp: 753512
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 9.8 6.5 9.7#

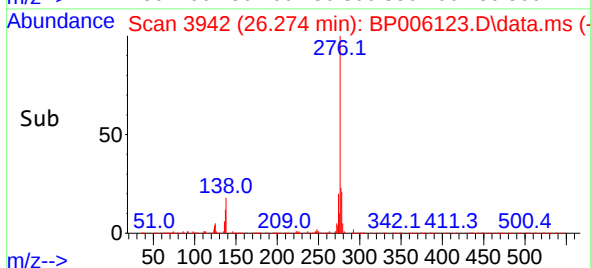
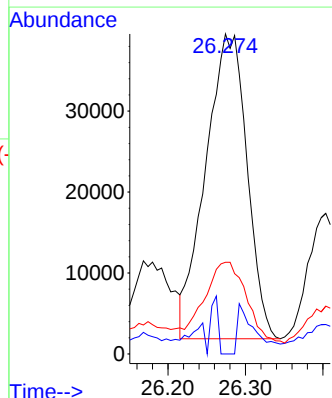
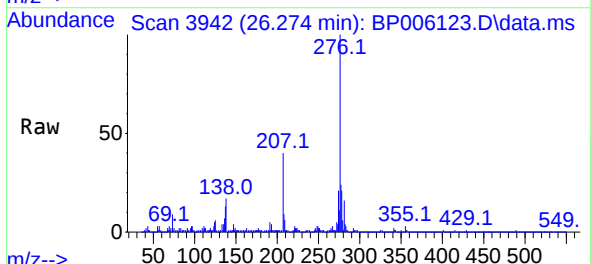
Manual Integrations
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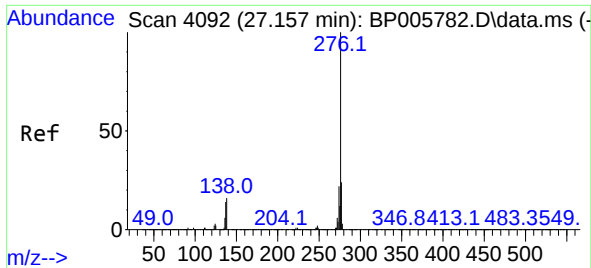
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#91
Dibenzo(a,h)anthracene
Concen: 3.097 ng
RT: 26.274 min Scan# 3942
Delta R.T. -0.029 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

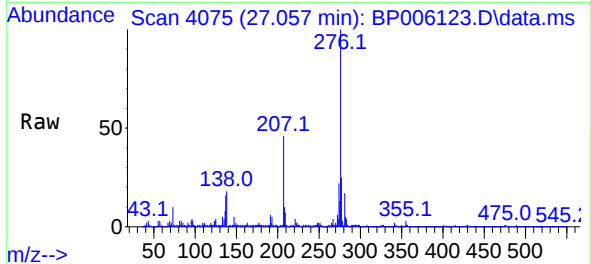
Tgt Ion:278 Resp: 139964
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 28.6 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 12.208 ng
RT: 27.057 min Scan# 4075
Delta R.T. -0.012 min
Lab File: BP006123.D
Acq: 30 Jun 2021 23:56

Instrument :
BNA_P
ClientSampled :
RBR-24DL



Tgt Ion: 276 Resp: 544962
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 18.3 12.6 18.8

Manual Integrations
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