

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040121\
 Data File : BN014176.D
 Acq On : 01 Apr 2021 13:34
 Operator : CG/JU
 Sample : M1836-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 B1-0-2

Manual Integrations
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Quant Time: Apr 01 14:18:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 31 12:15:38 2021
 Response via : Initial Calibration

4/2/2021 12:09:23 PM

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.692	152	5887	0.40	ng	0.00
7) Naphthalene-d8	10.467	136	23071	0.40	ng	# 0.00
13) Acenaphthene-d10	14.321	164	13440	0.40	ng	0.00
19) Phenanthrene-d10	17.068	188	27211	0.40	ng	# 0.00
29) Chrysene-d12	21.250	240	27261	0.40	ng	# 0.00
36) Perylene-d12	23.469	264	30001	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.292	112	6309	0.42	ng	0.00
5) Phenol-d6	6.855	99	7902	0.41	ng	0.00
8) Nitrobenzene-d5	8.832	82	7153	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.057	152	13479	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.805	330	1919	0.44	ng	0.00
15) 2-Fluorobiphenyl	12.938	172	17578	0.35	ng	0.00
27) Fluoranthene-d10	19.104	212	29266	0.41	ng	0.00
31) Terphenyl-d14	19.700	244	24506	0.39	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.505	128	66149	1.16	ng	97
12) 2-Methylnaphthalene	12.129	142	19155	0.51	ng	100
16) Acenaphthylene	14.042	152	43217	0.84	ng	98
17) Acenaphthene	14.384	154	30999	0.83	ng	97
18) Fluorene	15.374	166	36327	0.81	ng	# 96
25) Phenanthrene	17.104	178	489754	6.70	ng	100
26) Anthracene	17.189	178	92352	1.50	ng	97
28) Fluoranthene	19.134	202	979515	12.82	ng	99
30) Pyrene	19.491	202	1086784	12.22	ng	# 94
32) Benzo(a)anthracene	21.229	228	670734	8.88	ng	97
33) Chrysene	21.282	228	580409	6.95	ng	98
34) Bis(2-ethylhexyl)phtha...	21.165	149	26053	1.13	ng	100
35) Indeno(1,2,3-cd)pyrene	25.690	276	436042	5.03	ng	96
37) Benzo(b)fluoranthene	22.805	252	831872	7.86	ng	97
38) Benzo(k)fluoranthene	22.846	252	261416m	2.53	ng	
39) Benzo(a)pyrene	23.369	252	622984	6.86	ng	93
40) Dibenzo(a,h)anthracene	25.700	278	116096	1.24	ng	95
41) Benzo(g,h,i)perylene	26.378	276	465957	4.70	ng	99

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

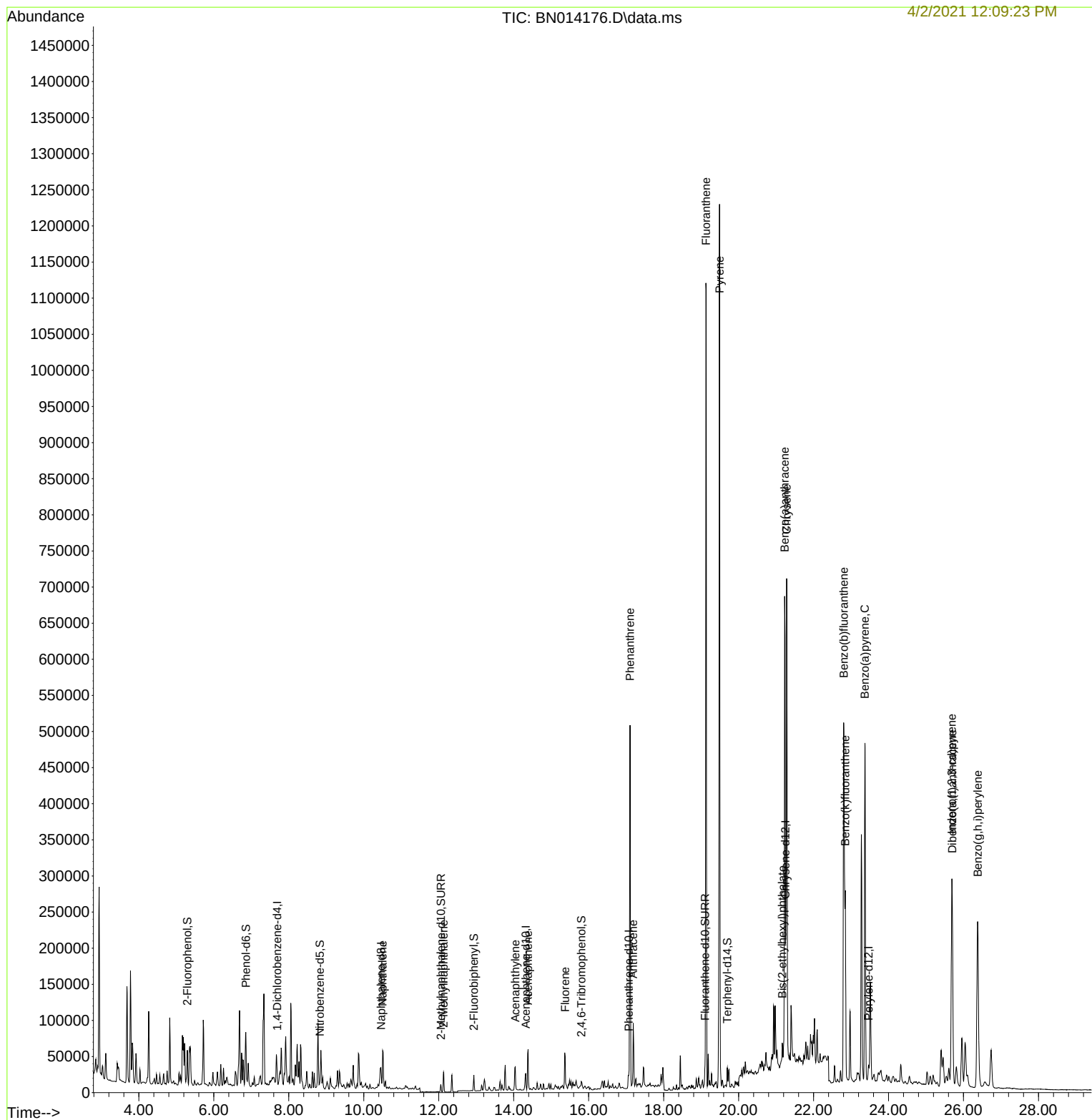
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040121\
Data File : BN014176.D
Acq On : 01 Apr 2021 13:34
Operator : CG/JU
Sample : M1836-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

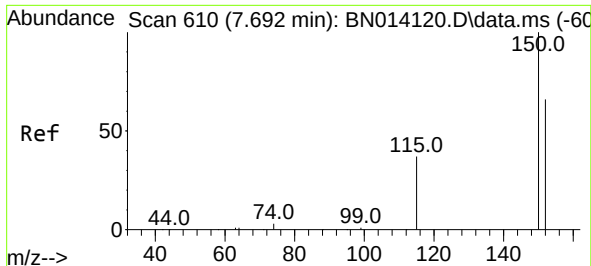
Instrument :
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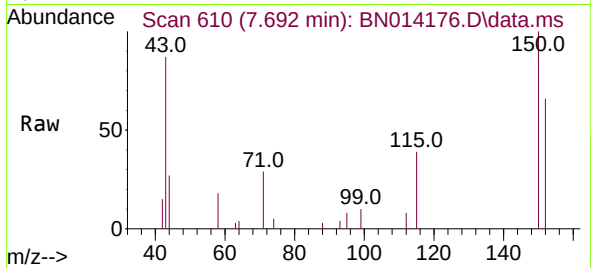
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Quant Time: Apr 01 14:18:00 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 31 12:15:38 2021
Response via : Initial Calibration

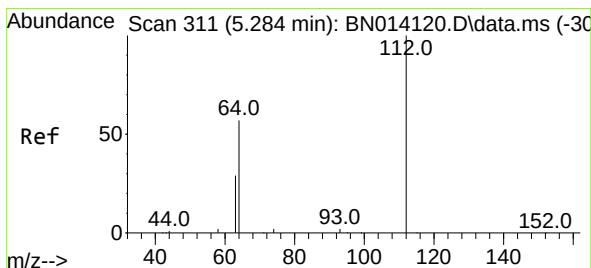
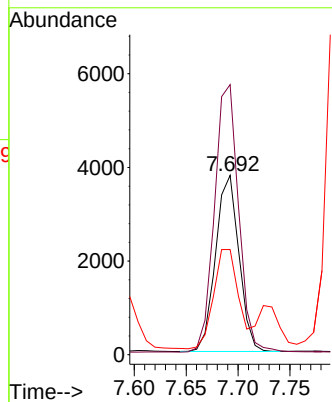
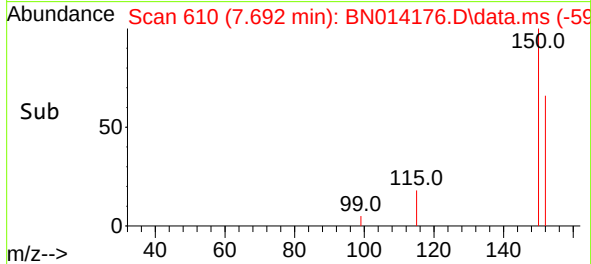




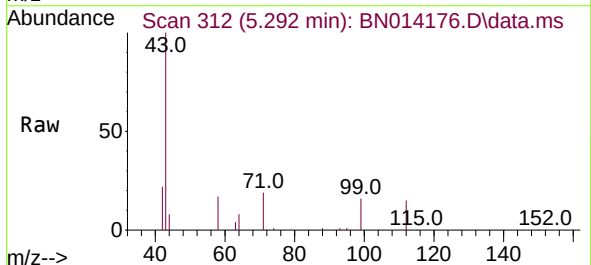
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.692 min Scan# 610
Delta R.T. 0.008 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



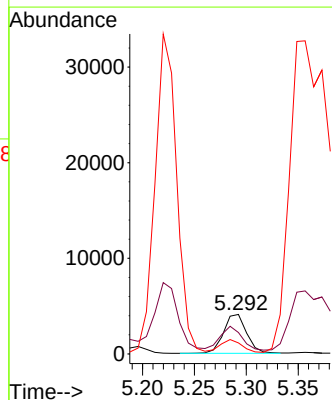
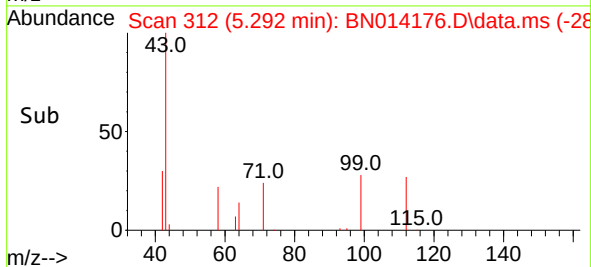
Tgt Ion:152 Resp: 5887
Ion Ratio Lower Upper
152 100
150 150.6 121.2 181.8
115 58.6 46.2 69.2



#4
2-Fluorophenol
Concen: 0.42 ng
RT: 5.292 min Scan# 312
Delta R.T. 0.008 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



Tgt Ion:112 Resp: 6309
Ion Ratio Lower Upper
112 100
64 65.9 48.3 72.5
63 0.0 25.4 38.0#

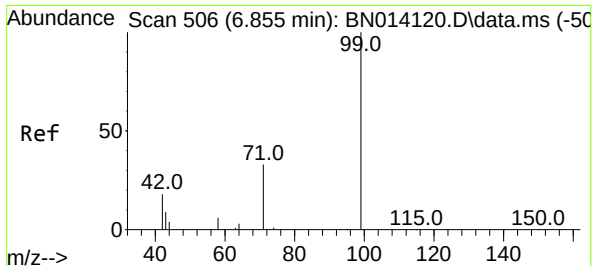


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#5
Phenol-d6
Concen: 0.41 ng
RT: 6.855 min Scan# 506
Delta R.T. -0.000 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34

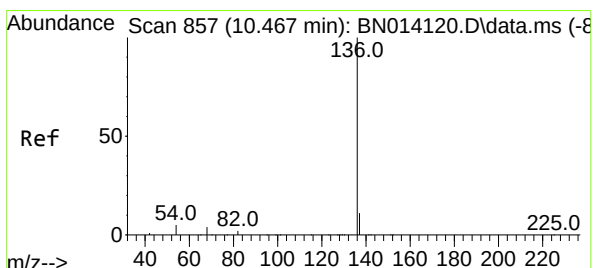
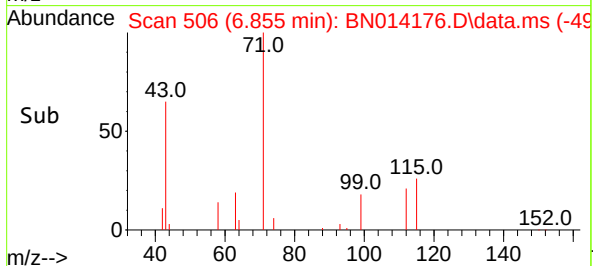
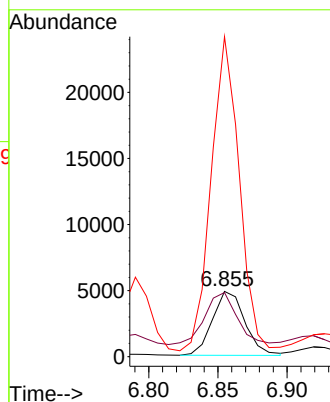
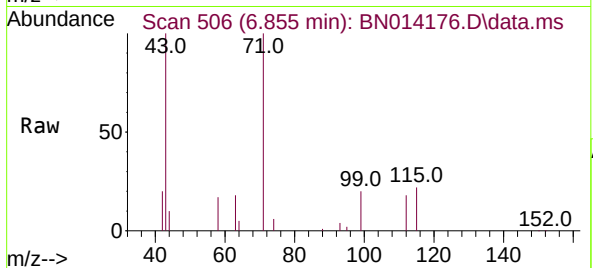
Tgt Ion: 99 Resp: 7902
Ion Ratio Lower Upper
99 100
42 84.6 18.2 27.4#
71 428.7 26.7 40.1#

Instrument :
BNA_N
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B1-0-2

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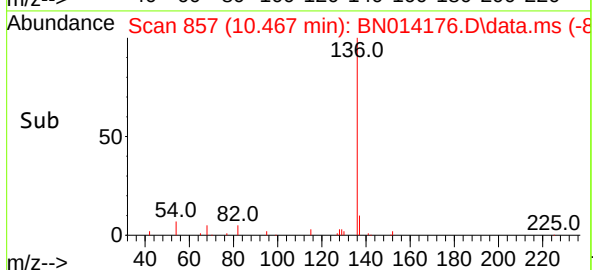
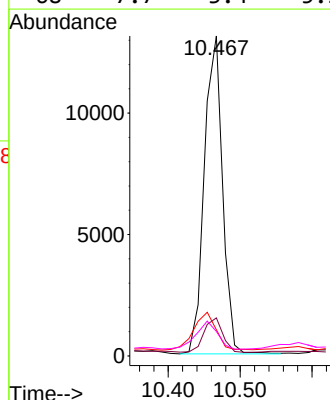
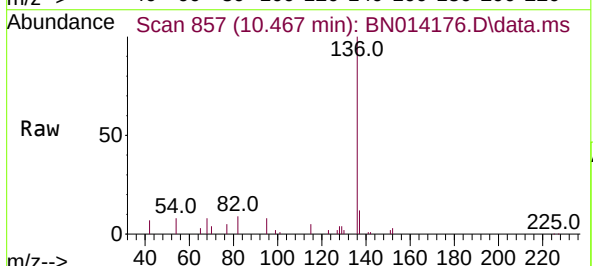
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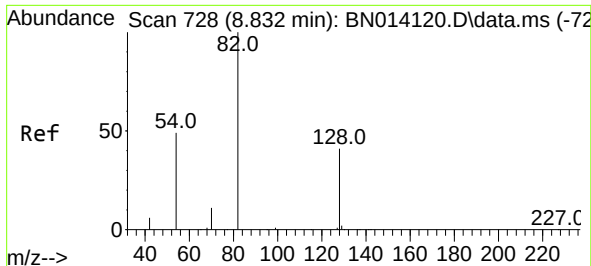
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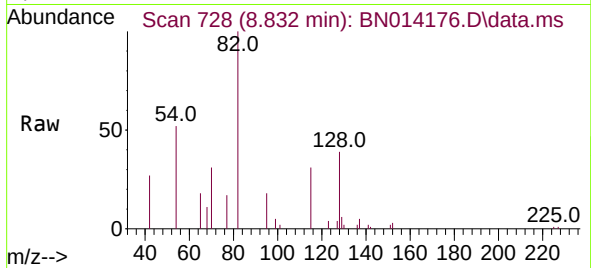
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.467 min Scan# 857
Delta R.T. -0.000 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34

Tgt Ion:136 Resp: 23071
Ion Ratio Lower Upper
136 100
137 11.9 9.1 13.7
54 8.2 4.3 6.5#
68 7.7 3.4 5.2#

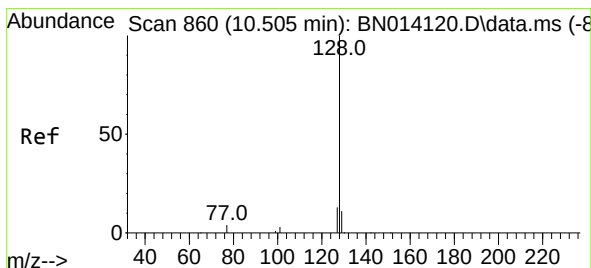
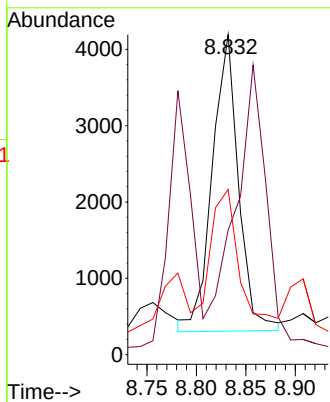
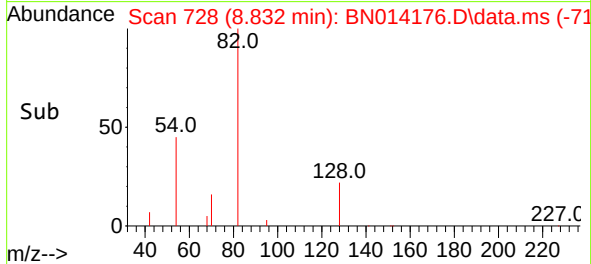




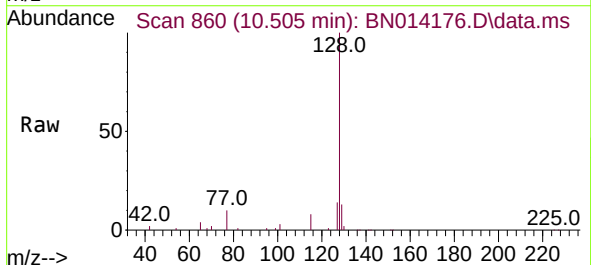
#8
Nitrobenzene-d5
Concen: 0.46 ng
RT: 8.832 min Scan# 728
Delta R.T. -0.000 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



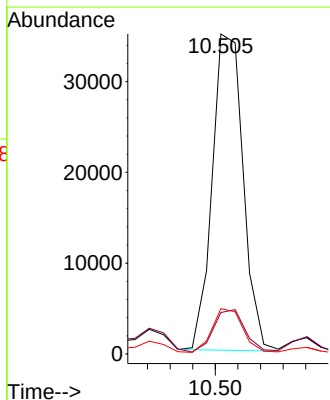
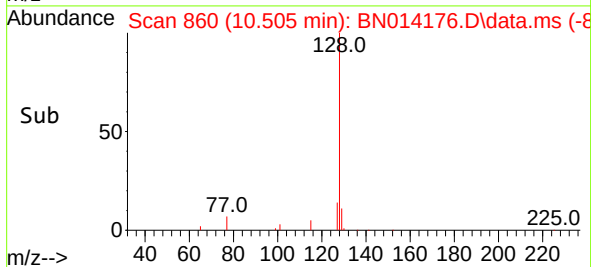
Tgt Ion:	82	Resp:	7153
Ion Ratio	Lower	Upper	
82	100		
128	38.9	33.5	50.3
54	51.6	40.3	60.5



#9
Naphthalene
Concen: 1.16 ng
RT: 10.505 min Scan# 860
Delta R.T. -0.000 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



Tgt Ion:	128	Resp:	66149
Ion Ratio	Lower	Upper	
128	100		
129	13.0	9.2	13.8
127	14.2	10.8	16.2

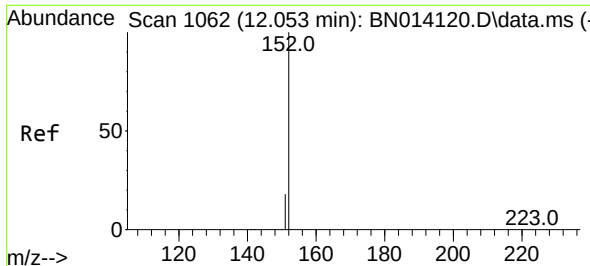


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4/2/2021 12:09:23 PM



#11
2-Methylnaphthalene-d10
Concen: 0.38 ng
RT: 12.057 min Scan# 1063
Delta R.T. 0.004 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34

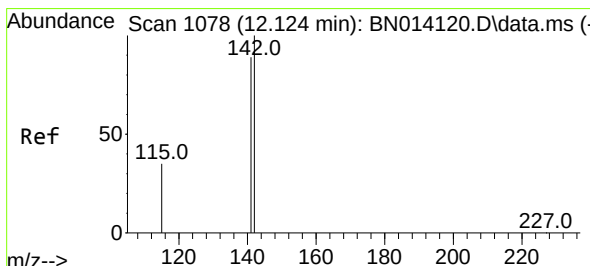
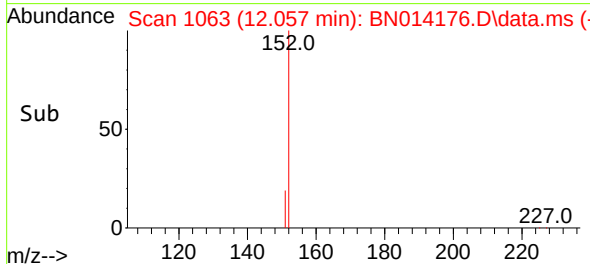
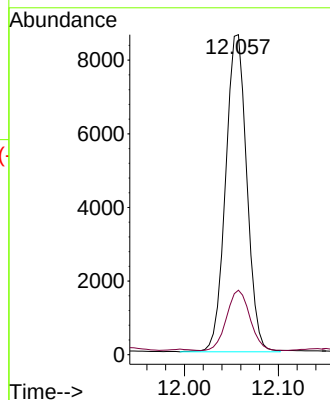
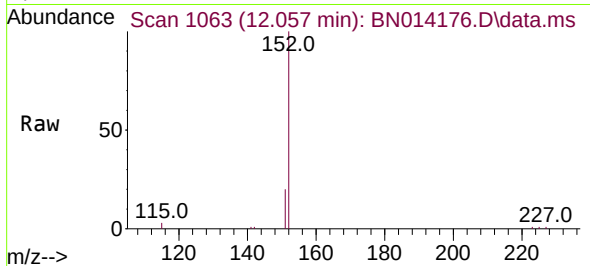
Tgt Ion:152 Resp: 13479
Ion Ratio Lower Upper
152 100
151 20.9 16.1 24.1

Instrument :
BNA_N
ClientSampled :
B1-0-2

Manual Integrations
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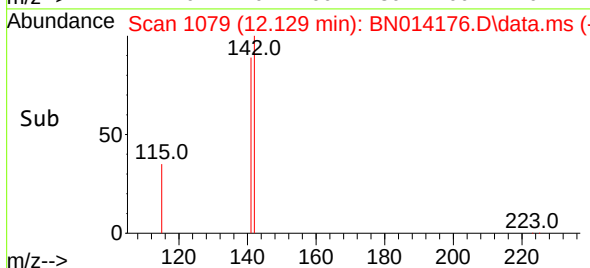
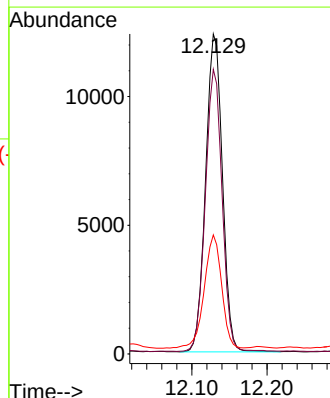
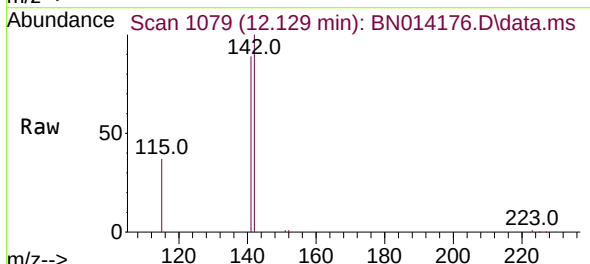
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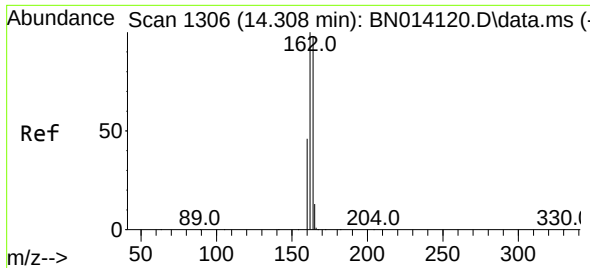
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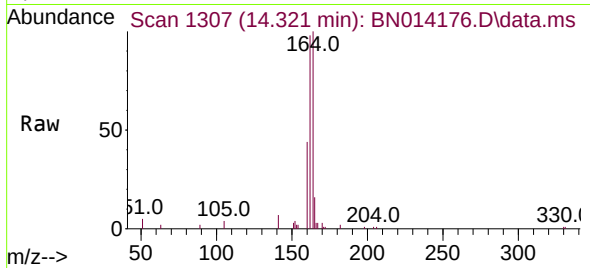
#12
2-Methylnaphthalene
Concen: 0.51 ng
RT: 12.129 min Scan# 1079
Delta R.T. -0.000 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34

Tgt Ion:142 Resp: 19155
Ion Ratio Lower Upper
142 100
141 89.0 71.1 106.7
115 37.2 29.0 43.6

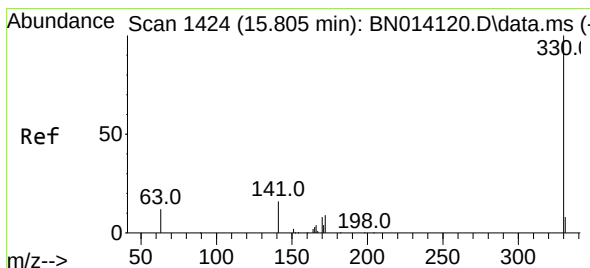
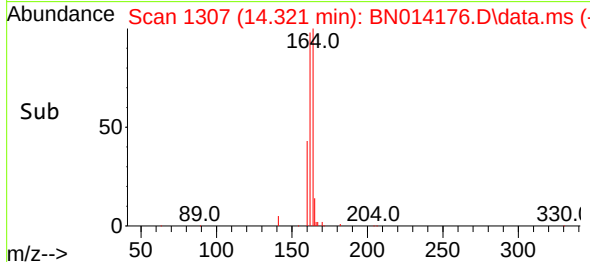
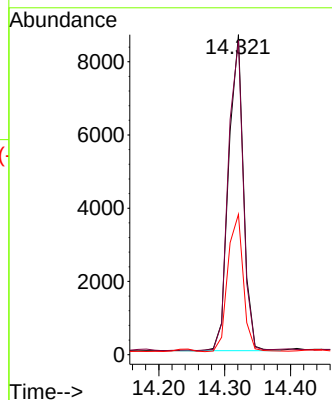




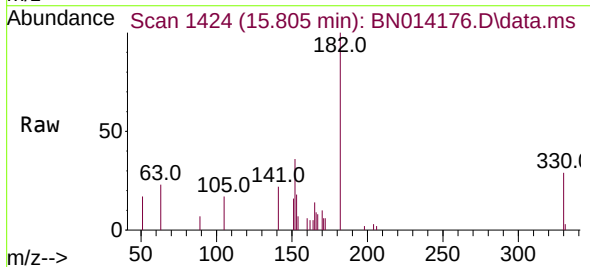
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.321 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



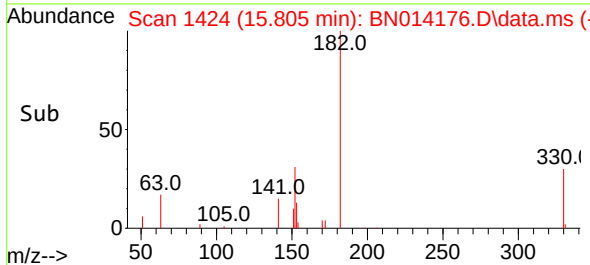
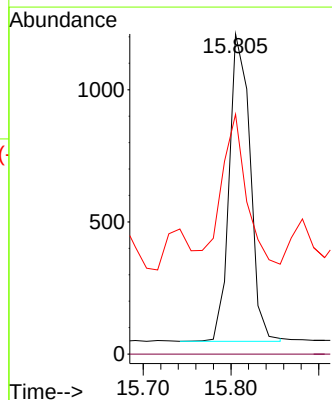
Tgt Ion:164 Resp: 13440
Ion Ratio Lower Upper
164 100
162 98.2 81.4 122.2
160 43.9 37.5 56.3



#14
2,4,6-Tribromophenol
Concen: 0.44 ng
RT: 15.805 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



Tgt Ion:330 Resp: 1919
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 57.6 31.2 46.8#

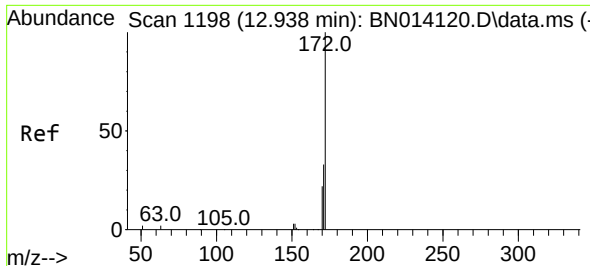


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4/2/2021 12:09:23 PM



#15
2-Fluorobiphenyl
Concen: 0.35 ng
RT: 12.938 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34

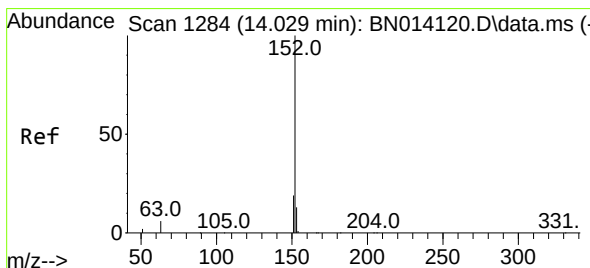
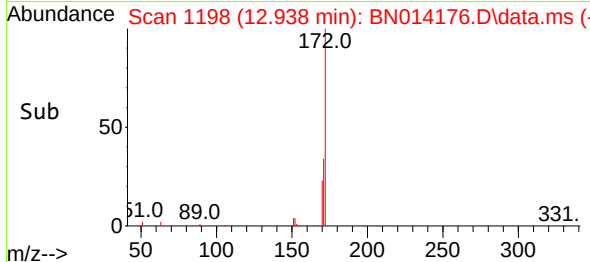
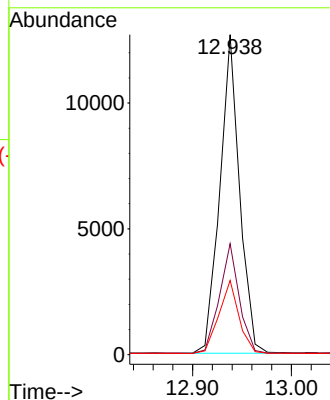
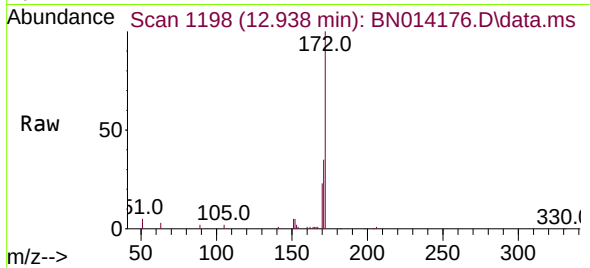
Tgt Ion:172	Resp:	17578
Ion Ratio	Lower	Upper
172	100	
171	34.7	26.9 40.3
170	23.2	17.8 26.8

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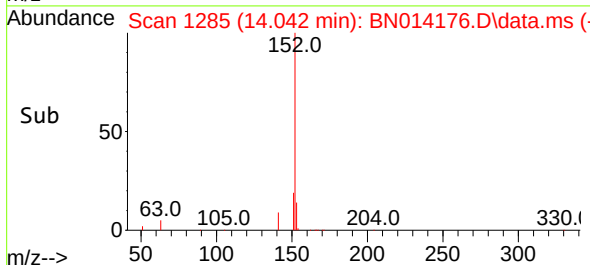
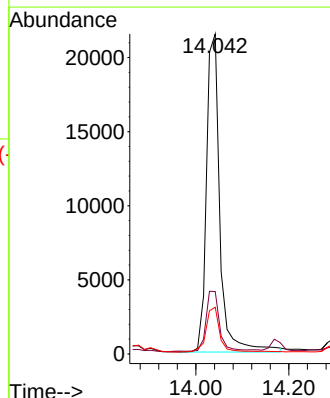
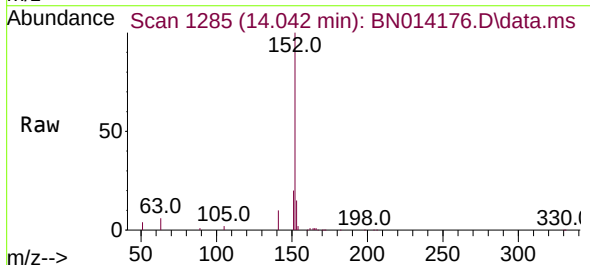
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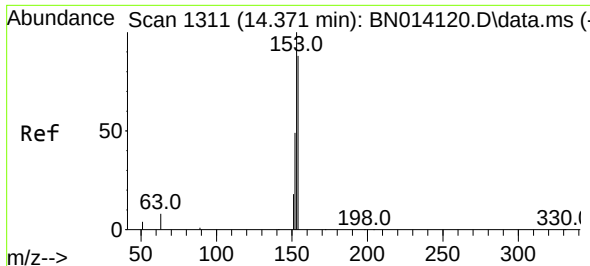
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#16
Acenaphthylene
Concen: 0.84 ng
RT: 14.042 min Scan# 1285
Delta R.T. 0.013 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34

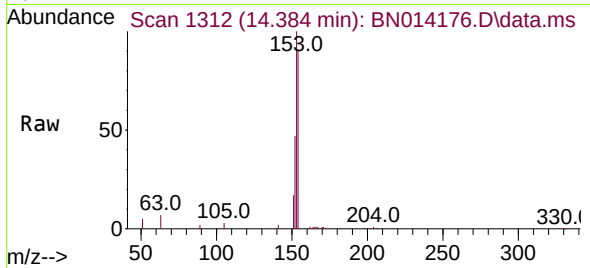
Tgt Ion:152	Resp:	43217
Ion Ratio	Lower	Upper
152	100	
151	19.5	15.4 23.2
153	14.3	10.3 15.5





#17
Acenaphthene
Concen: 0.83 ng
RT: 14.384 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34

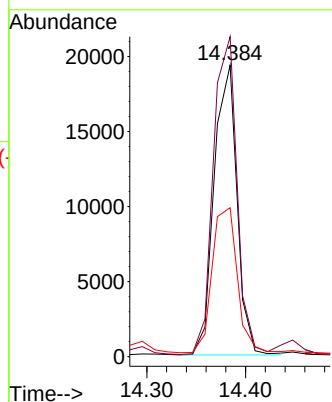
Instrument :
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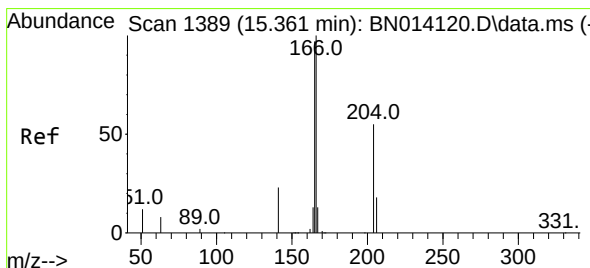
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Ion Ratio Lower Upper
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152 56.2 43.1 64.7

Manual Integrations
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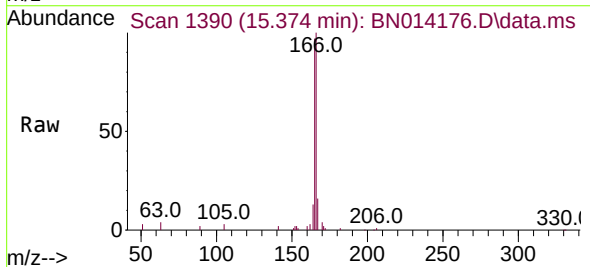
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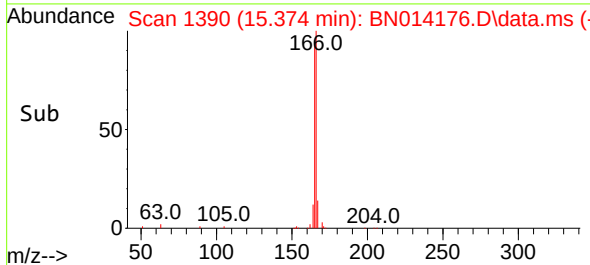
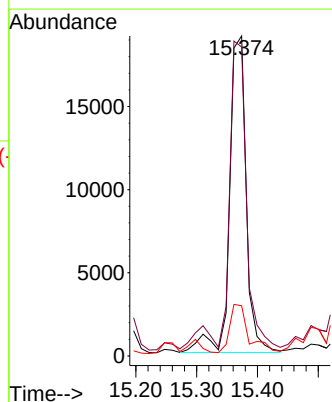
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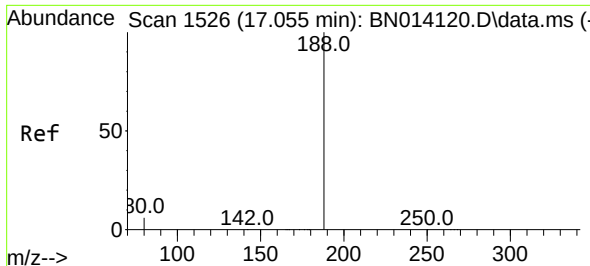


#18
Fluorene
Concen: 0.81 ng
RT: 15.374 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



Tgt Ion:166 Resp: 36327
Ion Ratio Lower Upper
166 100
165 94.4 77.9 116.9
167 17.2 10.6 16.0#





#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.068 min Scan# 1527
Delta R.T. 0.000 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34

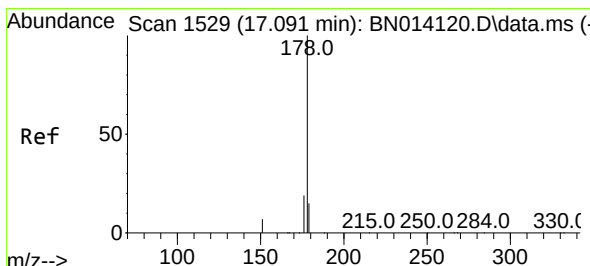
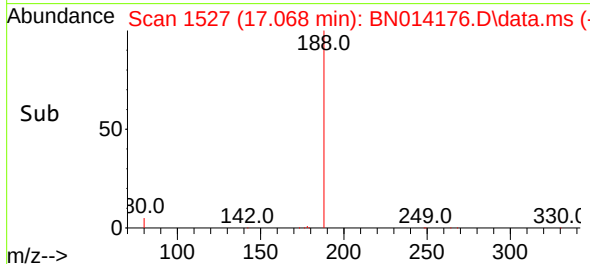
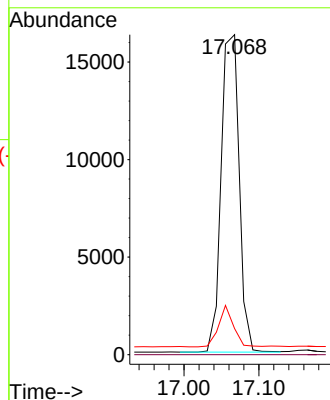
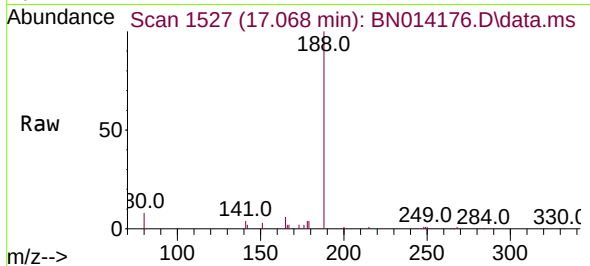
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	5.2	7.8#

Instrument :
BNA_N
ClientSampled :
B1-0-2

Manual Integrations
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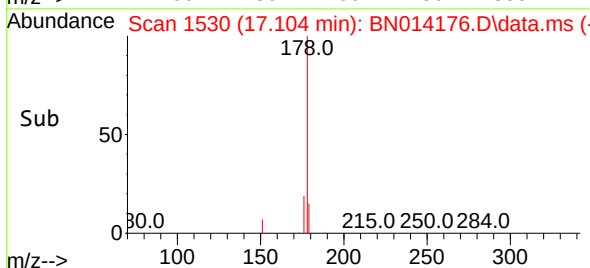
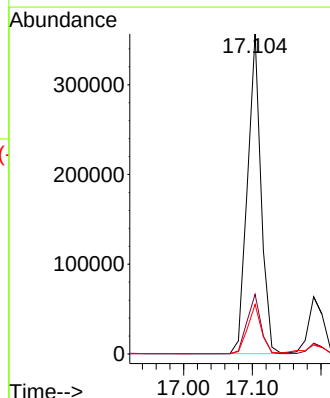
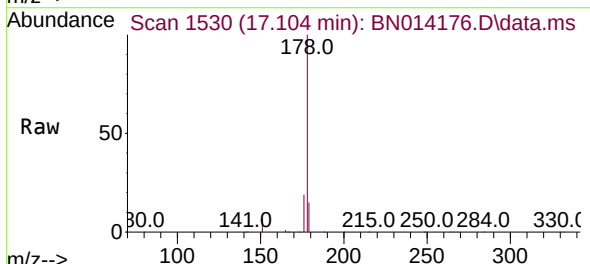
mohammad

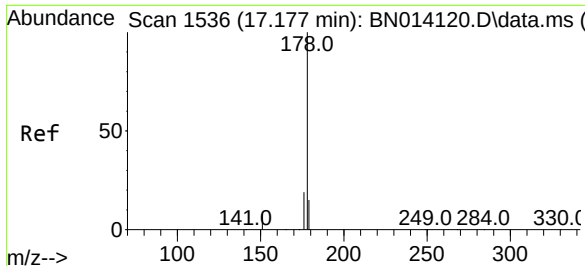
4/2/2021 12:09:23 PM



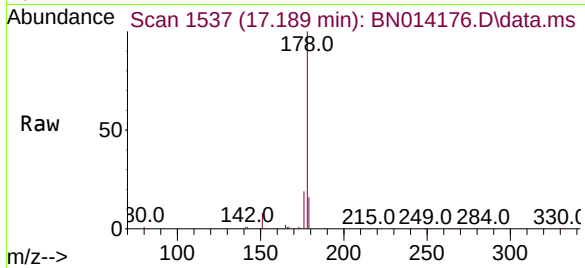
#25
Phenanthrene
Concen: 6.70 ng
RT: 17.104 min Scan# 1530
Delta R.T. 0.000 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.5	12.4	18.6

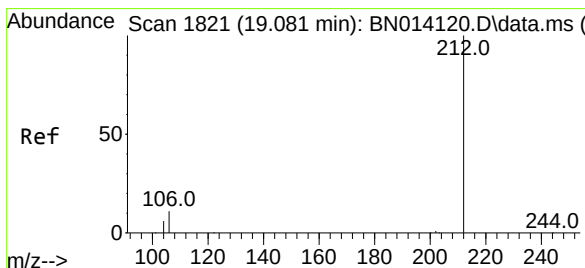
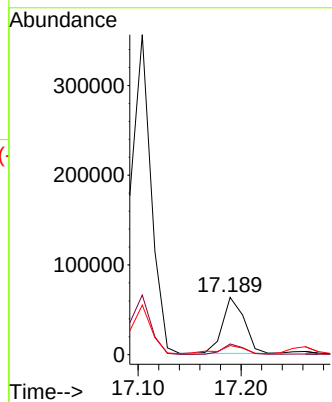
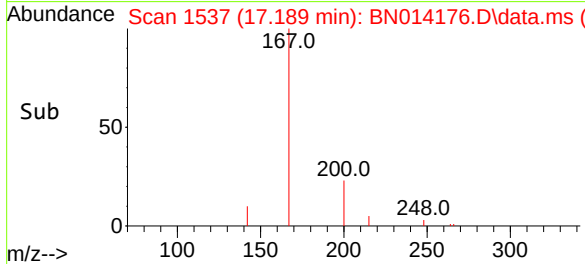




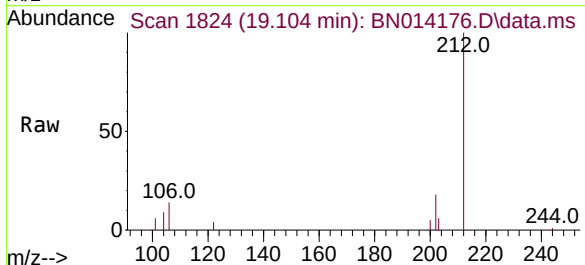
#26
 Anthracene
 Concen: 1.50 ng
 RT: 17.189 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: BN014176.D
 Acq: 01 Apr 2021 13:34



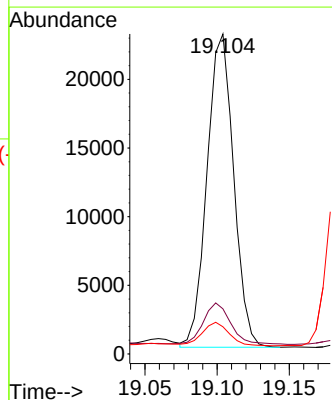
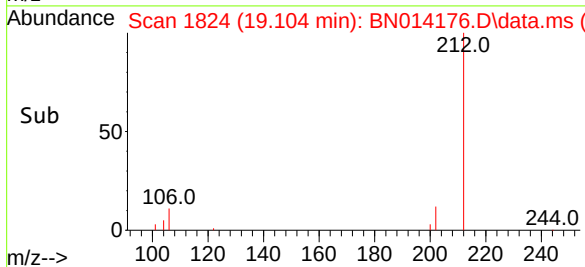
Tgt Ion:178 Resp: 92352
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.7 22.1
 179 17.7 12.3 18.5



#27
 Fluoranthene-d10
 Concen: 0.41 ng
 RT: 19.104 min Scan# 1824
 Delta R.T. 0.008 min
 Lab File: BN014176.D
 Acq: 01 Apr 2021 13:34



Tgt Ion:212 Resp: 29266
 Ion Ratio Lower Upper
 212 100
 106 13.5 10.1 15.1
 104 7.5 5.5 8.3

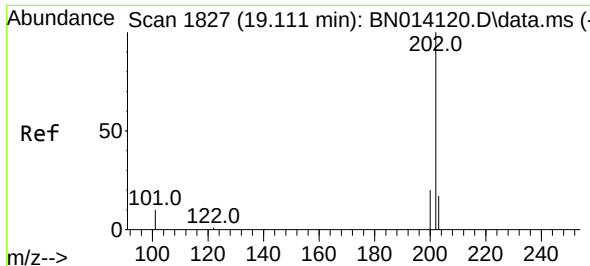


Instrument :
 BNA_N
 ClientSampleId :
 B1-0-2

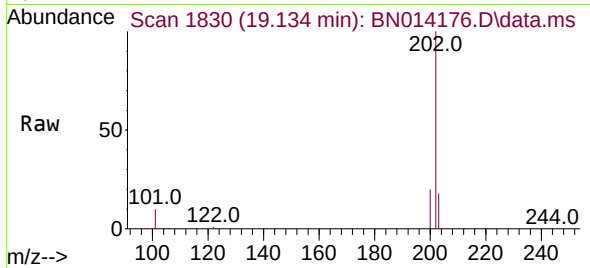
Manual Integrations
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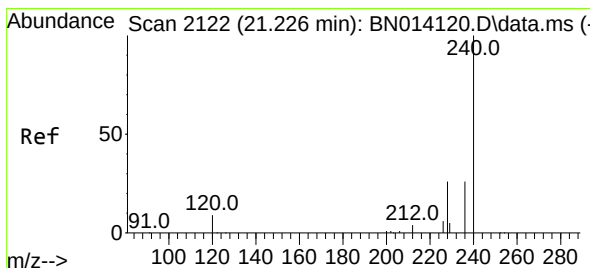
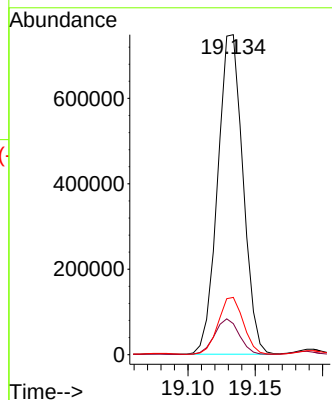
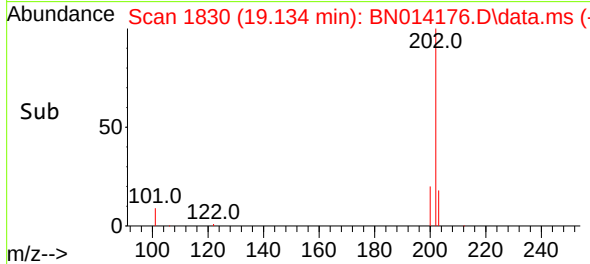
4/2/2021 12:09:23 PM



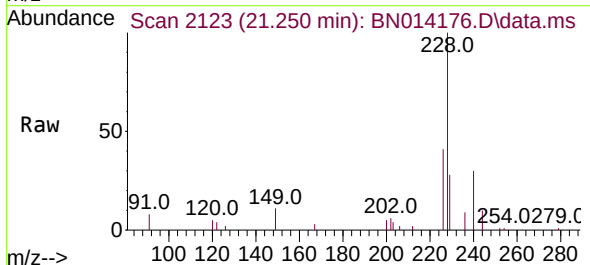
#28
Fluoranthene
Concen: 12.82 ng
RT: 19.134 min Scan# 1830
Delta R.T. 0.008 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



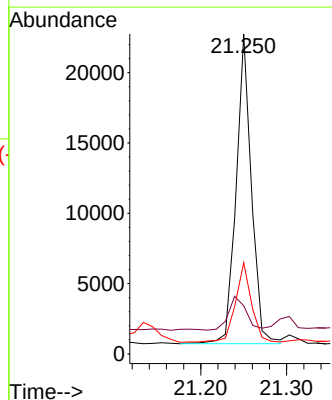
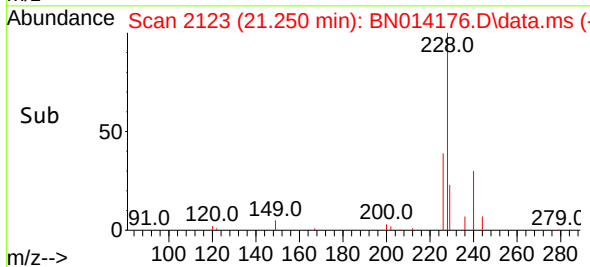
Tgt Ion:202 Resp: 979515
Ion Ratio Lower Upper
202 100
101 10.8 8.8 13.2
203 17.6 13.8 20.6



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.250 min Scan# 2123
Delta R.T. 0.003 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



Tgt Ion:240 Resp: 27261
Ion Ratio Lower Upper
240 100
120 15.1 8.4 12.6#
236 28.5 21.0 31.6

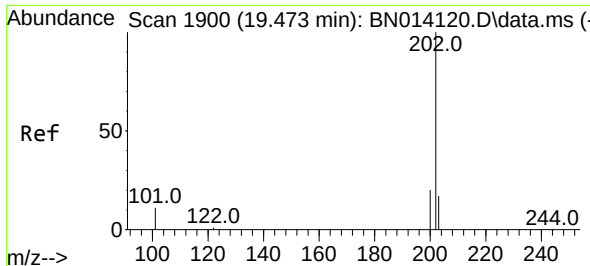


Instrument :
BNA_N
ClientSampleId :
B1-0-2

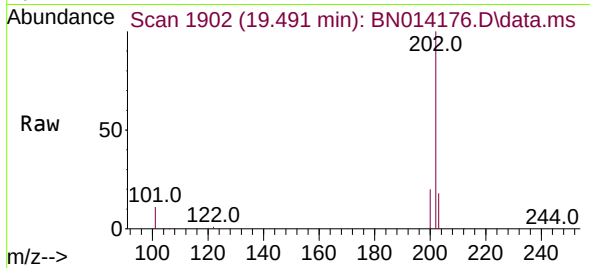
Manual Integrations
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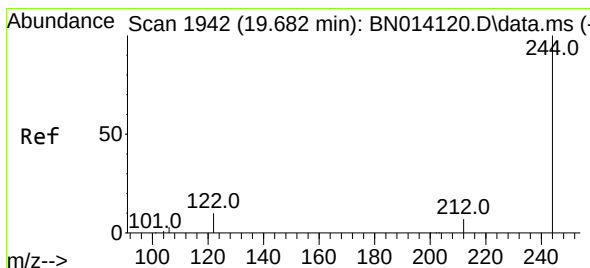
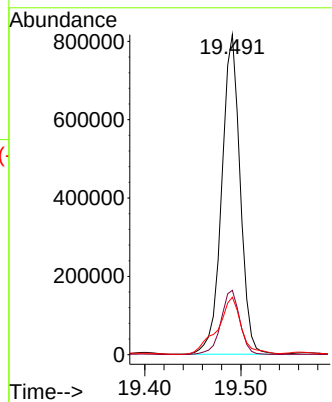
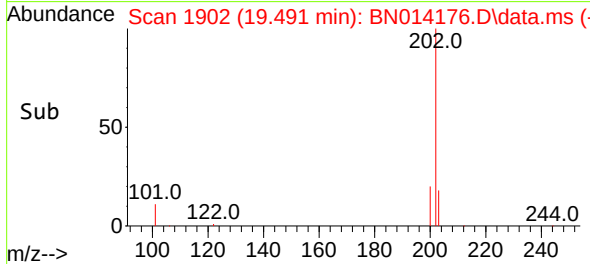
4/2/2021 12:09:23 PM



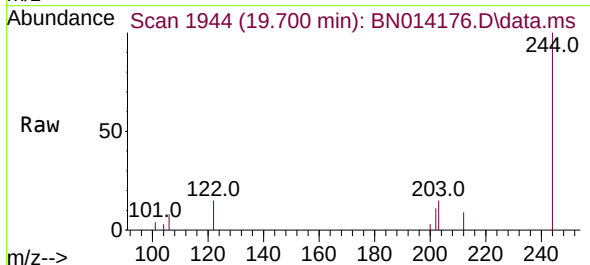
#30
Pyrene
Concen: 12.22 ng
RT: 19.491 min Scan# 1902
Delta R.T. 0.003 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



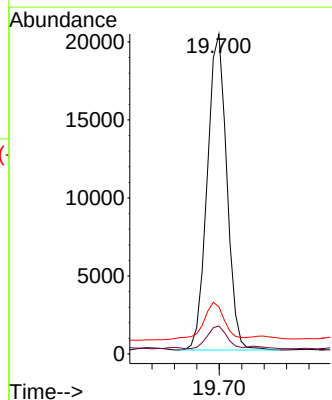
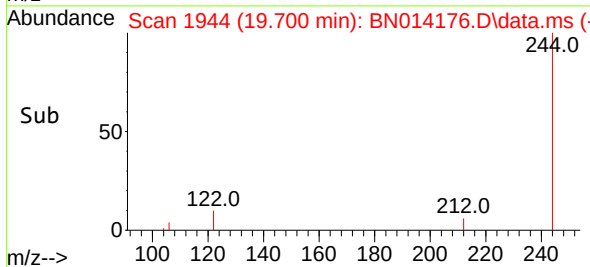
Tgt Ion:202 Resp: 1086784
Ion Ratio Lower Upper
202 100
200 20.6 16.2 24.4
203 23.0 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.39 ng
RT: 19.700 min Scan# 1944
Delta R.T. 0.003 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



Tgt Ion:244 Resp: 24506
Ion Ratio Lower Upper
244 100
212 8.7 6.0 9.0
122 14.7 8.6 13.0#

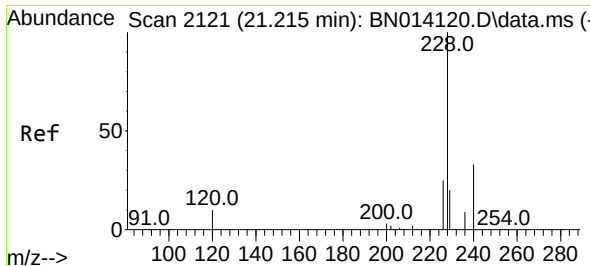


Instrument :
BNA_N
ClientSampled :
B1-0-2

Manual Integrations
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4/2/2021 12:09:23 PM



#32
Benzo(a)anthracene
Concen: 8.88 ng
RT: 21.229 min Scan# 2121
Delta R.T. -0.008 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34

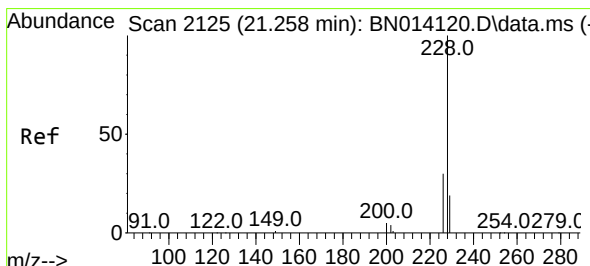
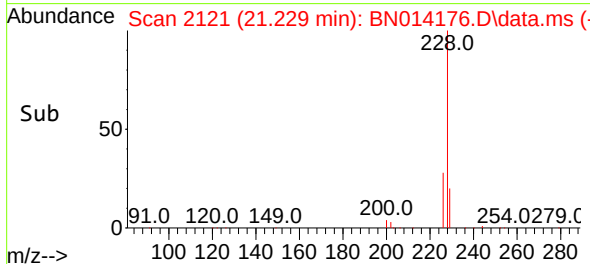
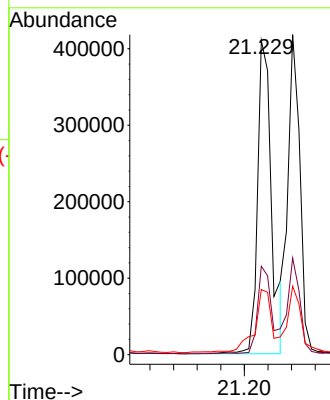
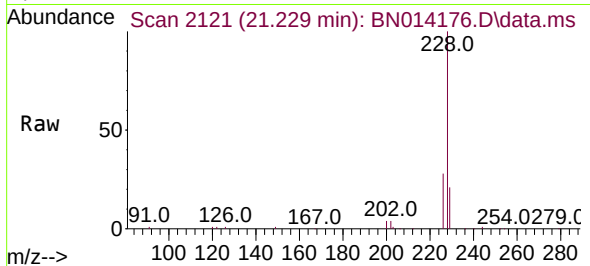
Tgt Ion:228 Resp: 670734
Ion Ratio Lower Upper
228 100
226 28.2 20.6 31.0
229 20.7 16.2 24.2

Instrument :
BNA_N
ClientSampleId :
B1-0-2

Manual Integrations
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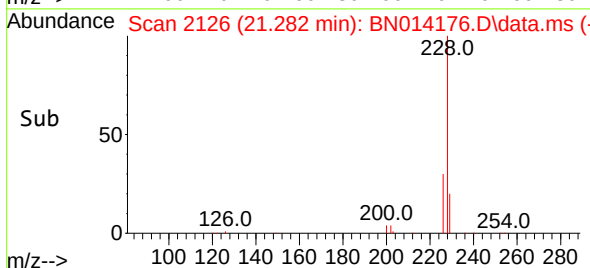
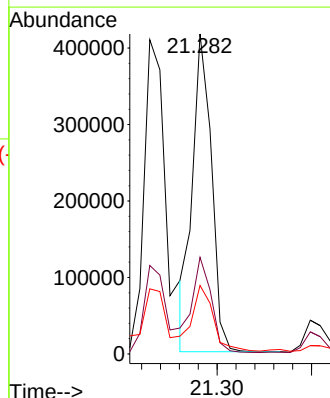
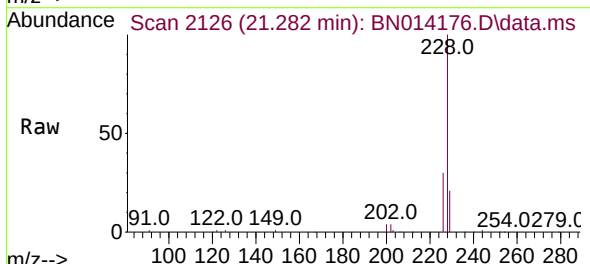
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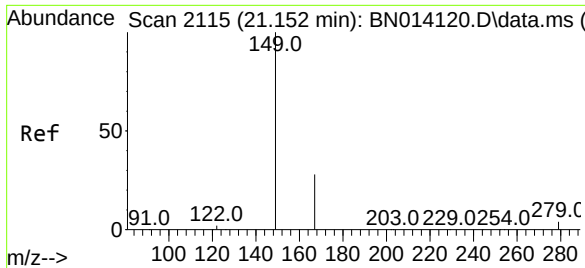
4/2/2021 12:09:23 PM



#33
Chrysene
Concen: 6.95 ng
RT: 21.282 min Scan# 2126
Delta R.T. -0.008 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34

Tgt Ion:228 Resp: 580409
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 21.4 15.5 23.3





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.13 ng
 RT: 21.165 min Scan# 2115
 Delta R.T. -0.008 min
 Lab File: BN014176.D
 Acq: 01 Apr 2021 13:34

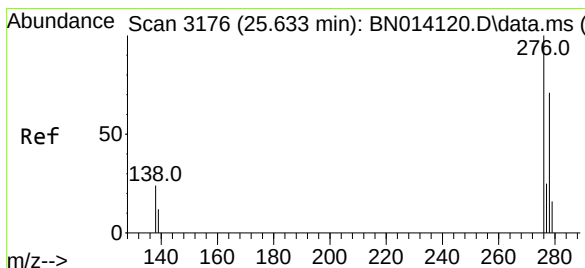
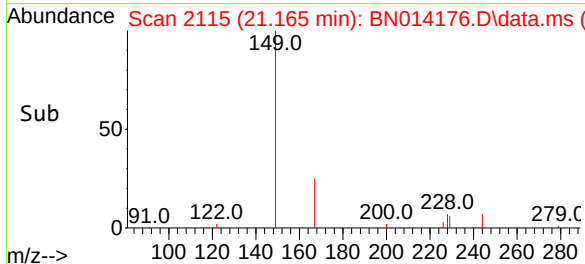
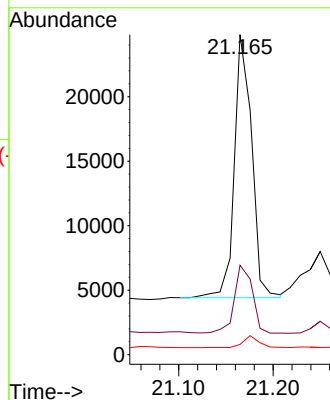
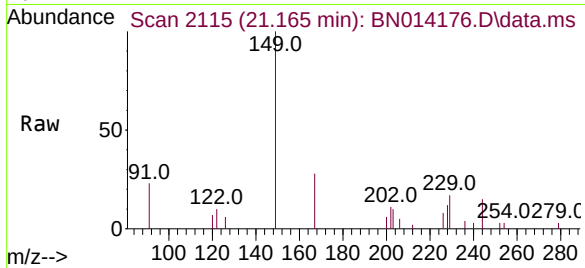
Tgt Ion:149 Resp: 26053
 Ion Ratio Lower Upper
 149 100
 167 26.9 21.4 32.2
 279 4.1 3.5 5.3

Instrument :
 BNA_N
 ClientSampleId :
 B1-0-2

Manual Integrations
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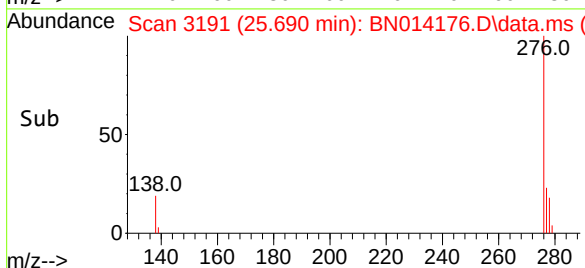
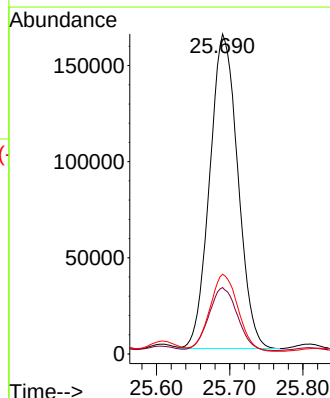
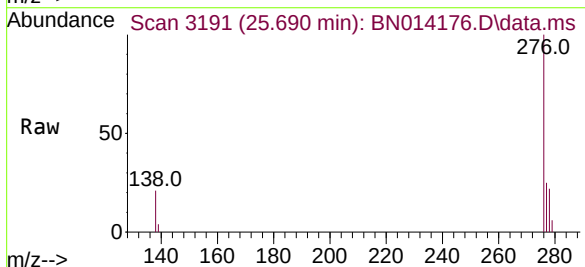
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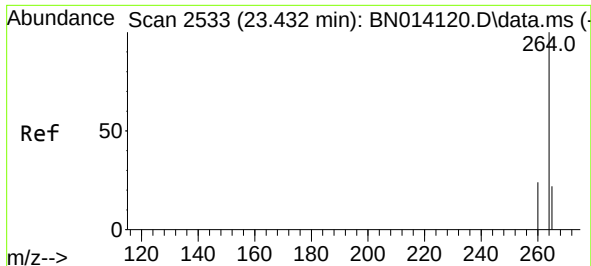
4/2/2021 12:09:23 PM



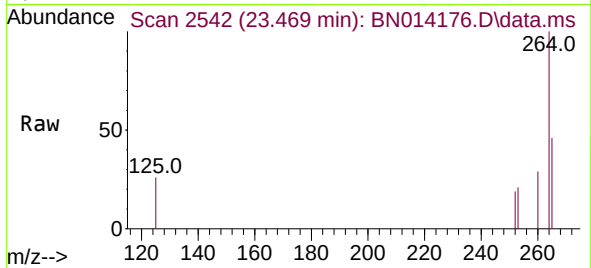
#35
 Indeno(1,2,3-cd)pyrene
 Concen: 5.03 ng
 RT: 25.690 min Scan# 3191
 Delta R.T. 0.003 min
 Lab File: BN014176.D
 Acq: 01 Apr 2021 13:34

Tgt Ion:276 Resp: 436042
 Ion Ratio Lower Upper
 276 100
 138 20.3 19.4 29.2
 277 24.7 19.8 29.6

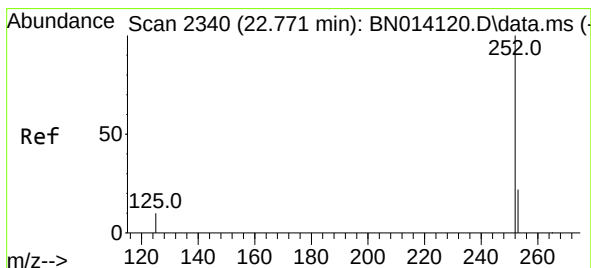
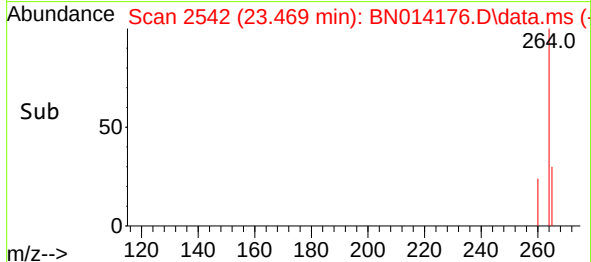
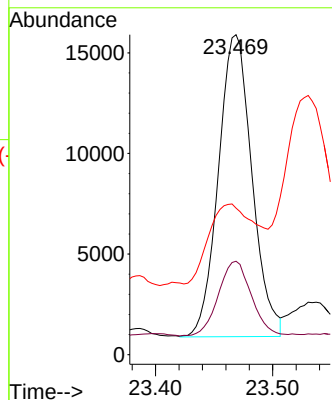




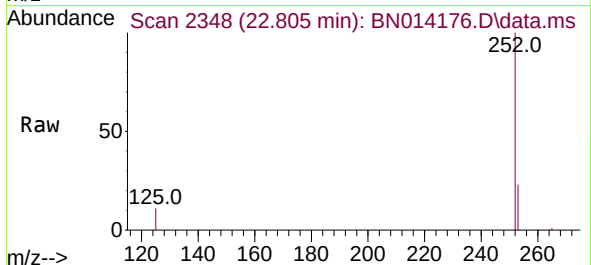
#36
Perylene-d12
Concen: 0.40 ng
RT: 23.469 min Scan# 2542
Delta R.T. 0.003 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



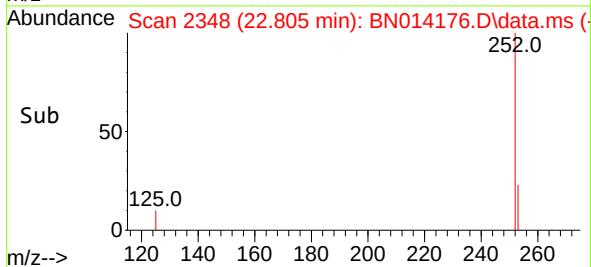
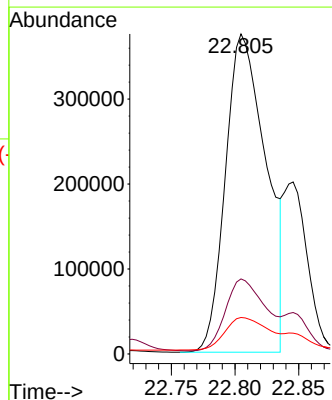
Tgt Ion:264 Resp: 30001
Ion Ratio Lower Upper
264 100
260 29.2 19.8 29.8
265 45.8 30.7 46.1



#37
Benzo(b)fluoranthene
Concen: 7.86 ng
RT: 22.805 min Scan# 2348
Delta R.T. 0.003 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



Tgt Ion:252 Resp: 831872
Ion Ratio Lower Upper
252 100
253 23.4 20.6 30.8
125 11.4 9.4 14.2

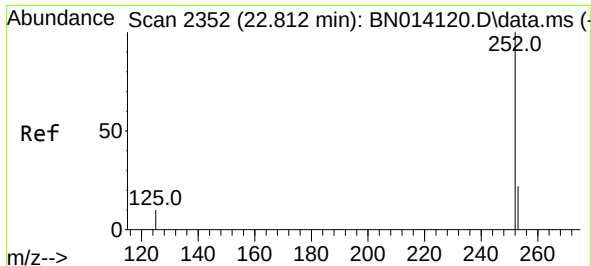


Instrument :
BNA_N
ClientSampleId :
B1-0-2

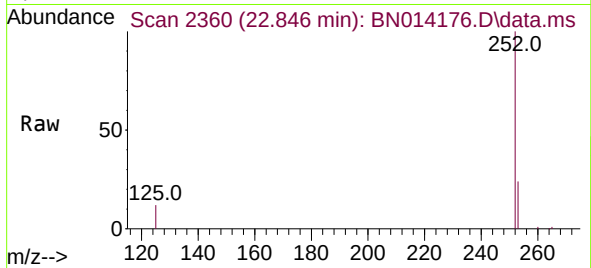
Manual Integrations
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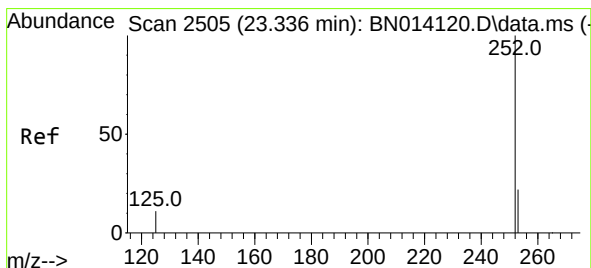
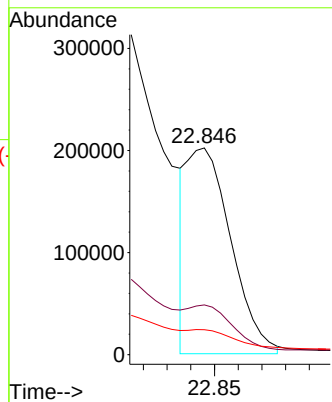
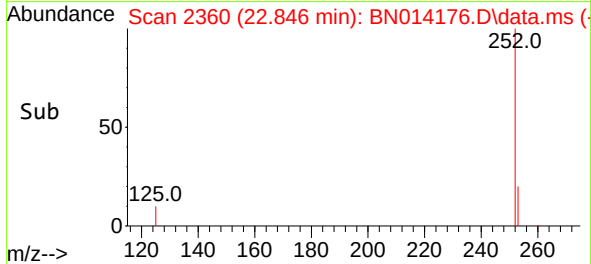
4/2/2021 12:09:23 PM



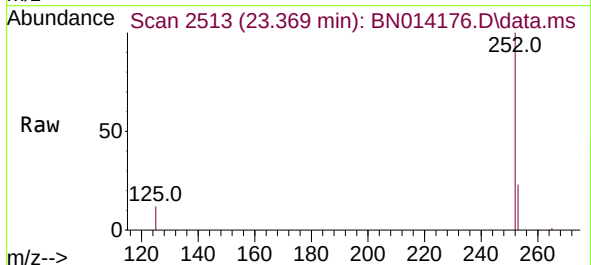
#38
Benzo(k)fluoranthene
Concen: 2.53 ng m
RT: 22.846 min Scan# 2360
Delta R.T. 0.003 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



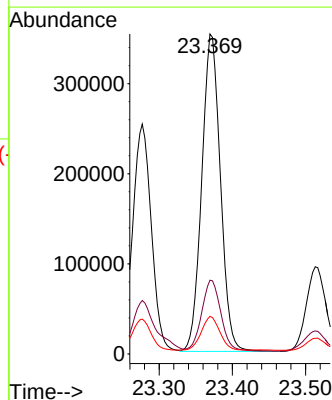
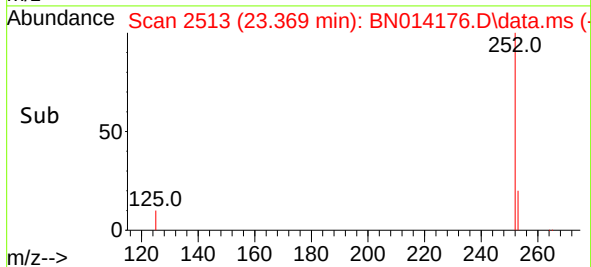
Tgt Ion:252 Resp: 261416
Ion Ratio Lower Upper
252 100
253 24.1 20.6 30.8
125 12.1 9.5 14.3



#39
Benzo(a)pyrene
Concen: 6.86 ng
RT: 23.369 min Scan# 2513
Delta R.T. 0.003 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34



Tgt Ion:252 Resp: 622984
Ion Ratio Lower Upper
252 100
253 23.1 21.9 32.9
125 11.7 10.8 16.2

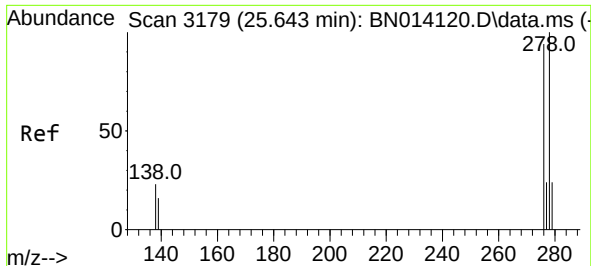


Instrument :
BNA_N
ClientSampled :
B1-0-2

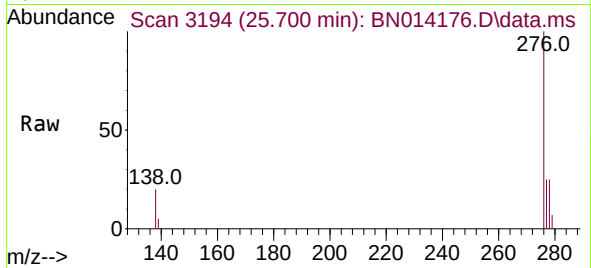
Manual Integrations
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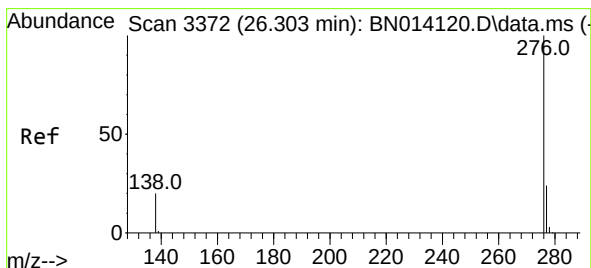
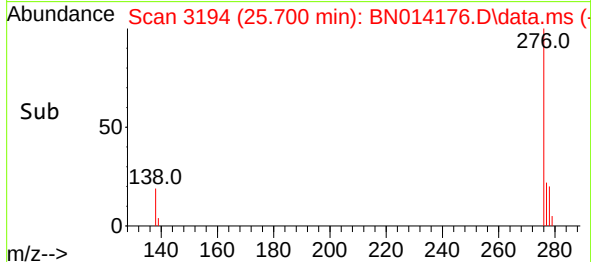
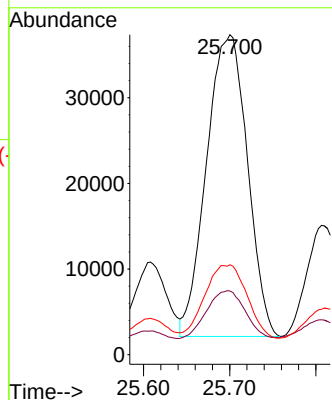
4/2/2021 12:09:23 PM



#40
Dibenzo(a,h)anthracene
Concen: 1.24 ng
RT: 25.700 min Scan# 3194
Delta R.T. -0.001 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34

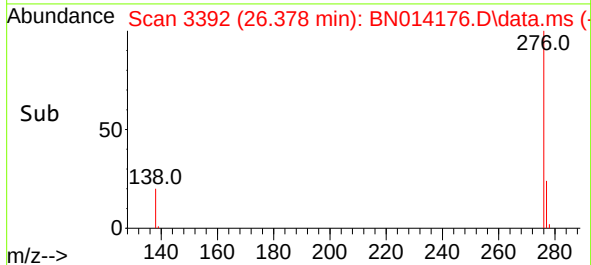
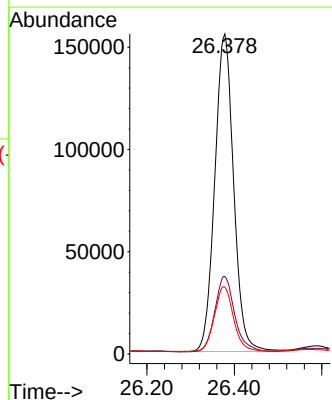
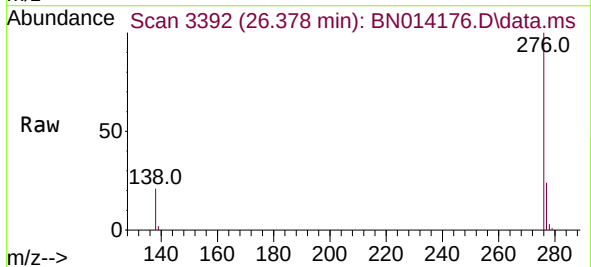


Tgt Ion:278 Resp: 116096
Ion Ratio Lower Upper
278 100
139 19.9 13.4 20.0
279 28.1 21.3 31.9



#41
Benzo(g,h,i)perylene
Concen: 4.70 ng
RT: 26.378 min Scan# 3392
Delta R.T. 0.009 min
Lab File: BN014176.D
Acq: 01 Apr 2021 13:34

Tgt Ion:276 Resp: 465957
Ion Ratio Lower Upper
276 100
277 24.2 20.1 30.1
138 20.9 17.0 25.4



Instrument :
BNA_N
ClientSampleId :
B1-0-2

Manual Integrations
APPROVED

mohammad

4/2/2021 12:09:23 PM