

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091820\
 Data File : BN011832.D
 Acq On : 18 Sep 2020 11:49
 Operator : CG/JU
 Sample : L3971-21DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

Quant Time: Sep 18 12:17:13 2020
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 18 10:47:35 2020
 Response via : Initial Calibration

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

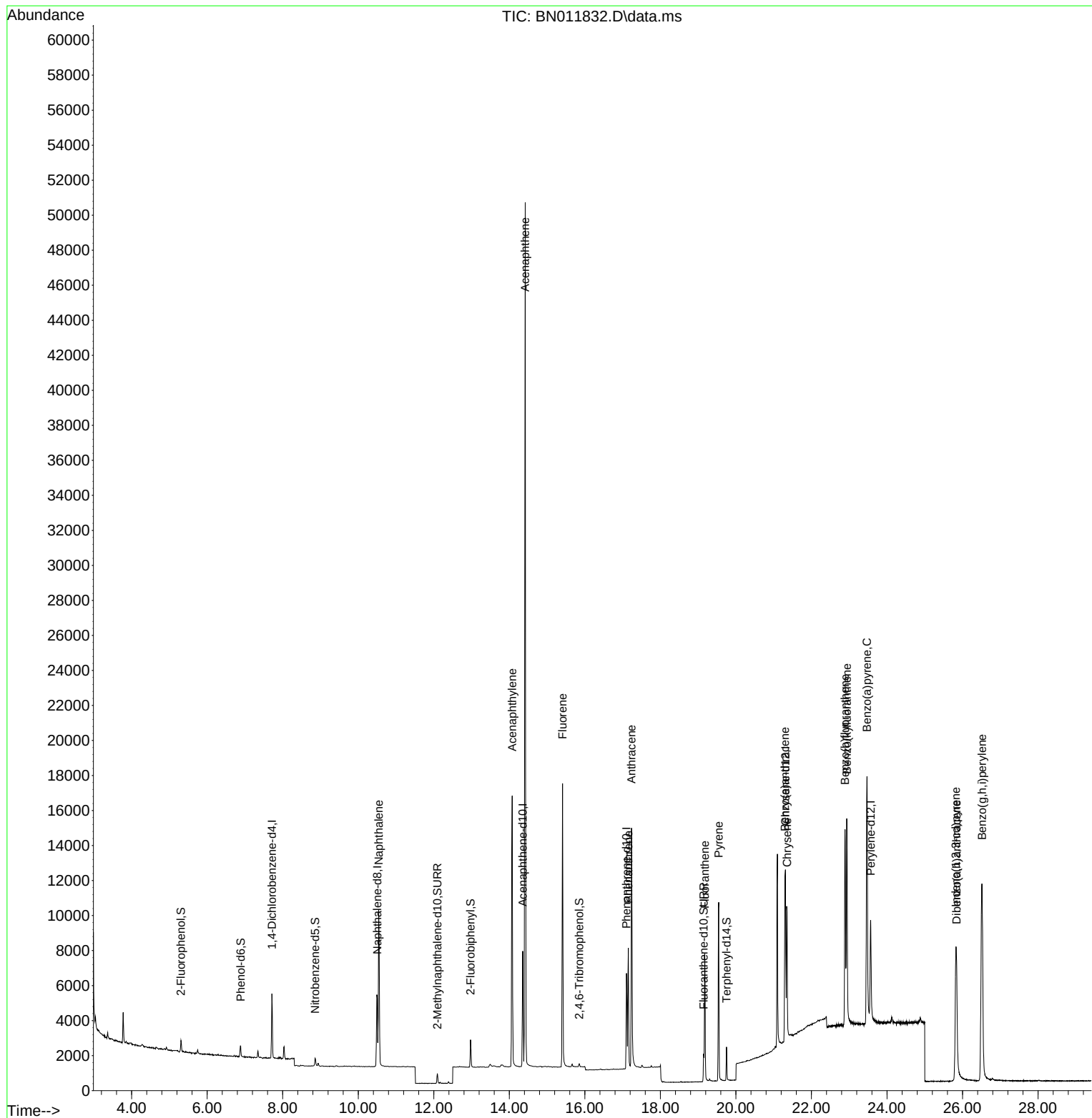
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.715	152	1715	0.40	ng	0.00
7) Naphthalene-d8	10.504	136	6274	0.40	ng	0.01
13) Acenaphthene-d10	14.357	164	3626	0.40	ng	0.00
19) Phenanthrene-d10	17.102	188	8156	0.40	ng	0.00
29) Chrysene-d12	21.312	240	8062	0.40	ng	# 0.00
36) Perylene-d12	23.569	264	8208	0.40	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.307	112	504	0.10	ng	0.00
5) Phenol-d6	6.886	99	539	0.09	ng	0.00
8) Nitrobenzene-d5	8.856	82	474	0.07	ng	0.00
11) 2-Methylnaphthalene-d10	12.095	152	796	0.07	ng	0.00
14) 2,4,6-Tribromophenol	15.854	330	180	0.10	ng	0.00
15) 2-Fluorobiphenyl	12.974	172	1391	0.09	ng	0.00
27) Fluoranthene-d10	19.147	212	1932	0.07	ng	0.00
31) Terphenyl-d14	19.752	244	2025	0.11	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.542	128	12238	0.69	ng	99
16) Acenaphthylene	14.078	152	18605	1.06	ng	100
17) Acenaphthene	14.420	154	23251	1.91	ng	92
18) Fluorene	15.410	166	10263	0.68	ng	99
25) Phenanthrene	17.151	178	7505	0.29	ng	99
26) Anthracene	17.236	178	15445	0.69	ng	100
28) Fluoranthene	19.176	202	6942	0.23	ng	99
30) Pyrene	19.544	202	9704	0.34	ng	100
32) Benzo(a)anthracene	21.301	228	6263	0.23	ng	99
33) Chrysene	21.354	228	7388	0.26	ng	99
35) Indeno(1,2,3-cd)pyrene	25.825	276	12748	0.36	ng	98
37) Benzo(b)fluoranthene	22.892	252	14708	0.48	ng	# 93
38) Benzo(k)fluoranthene	22.936	252	16653	0.53	ng	# 94
39) Benzo(a)pyrene	23.470	252	23808	0.87	ng	# 96
40) Dibenzo(a,h)anthracene	25.846	278	7502	0.25	ng	# 87
41) Benzo(g,h,i)perylene	26.516	276	27269	0.85	ng	98

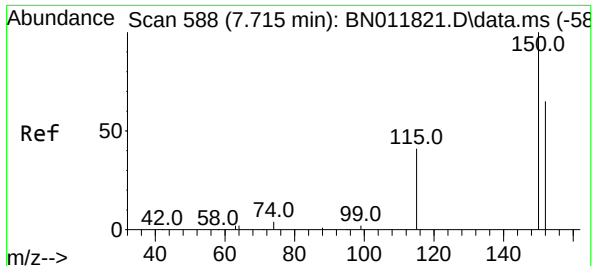
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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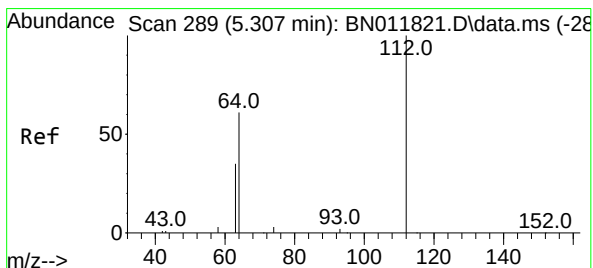
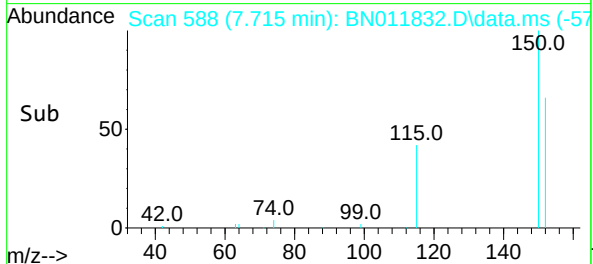
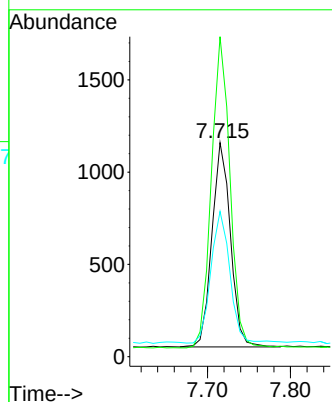
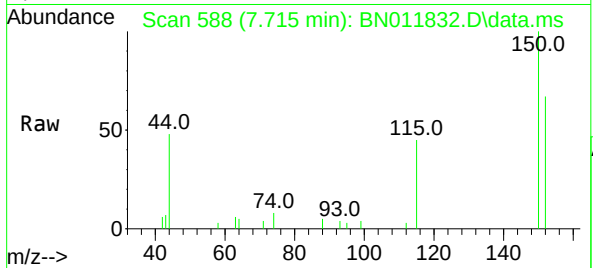




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.715 min Scan# 588
 Delta R.T. 0.000 min
 Lab File: BN011832.D
 Acq: 18 Sep 2020 11:49

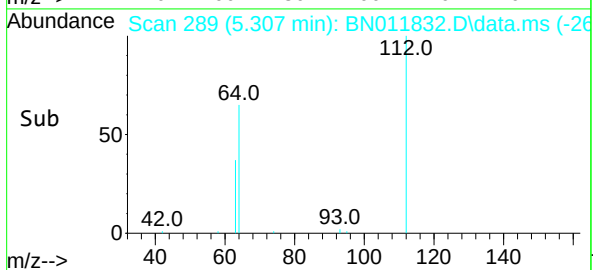
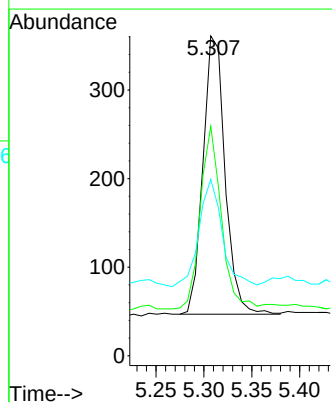
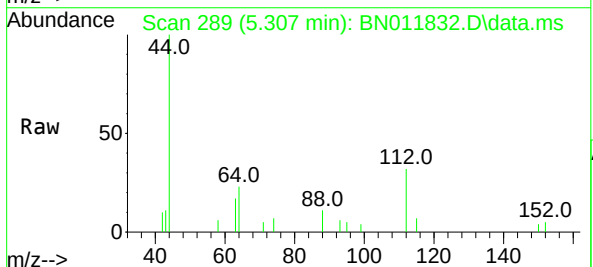
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

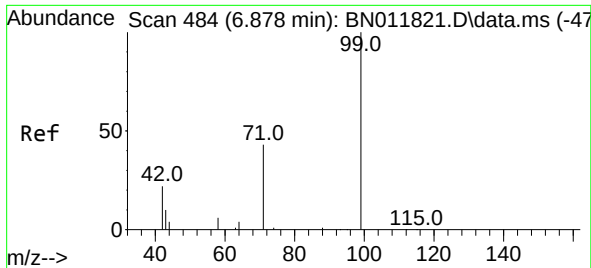
Tgt Ion:152 Resp: 1715
 Ion Ratio Lower Upper
 152 100
 150 149.5 118.3 177.5
 115 67.8 51.3 76.9



#4
 2-Fluorophenol
 Concen: 0.10 ng
 RT: 5.307 min Scan# 289
 Delta R.T. 0.000 min
 Lab File: BN011832.D
 Acq: 18 Sep 2020 11:49

Tgt Ion:112 Resp: 504
 Ion Ratio Lower Upper
 112 100
 64 62.5 49.0 73.6
 63 40.9 31.8 47.6

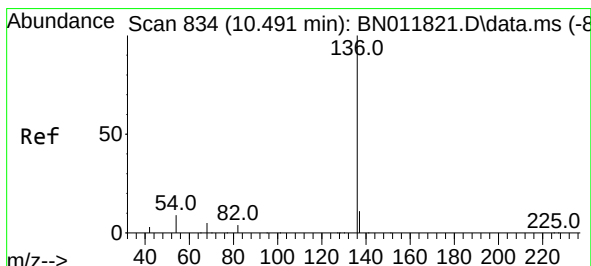
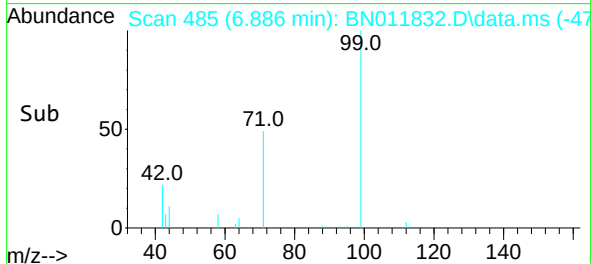
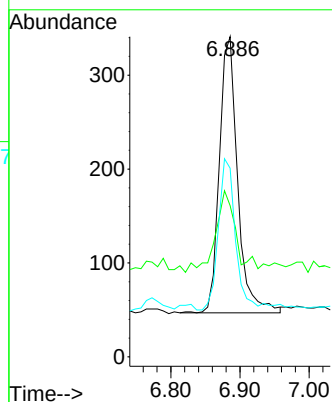
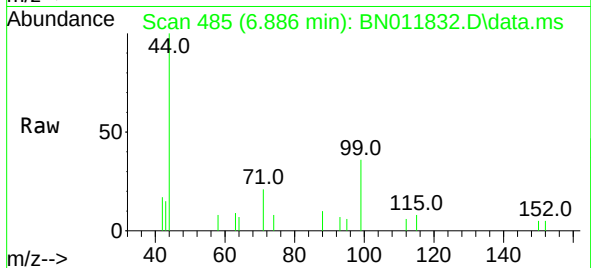




#5
Phenol-d6
Concen: 0.09 ng
RT: 6.886 min Scan# 485
Delta R.T. 0.008 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

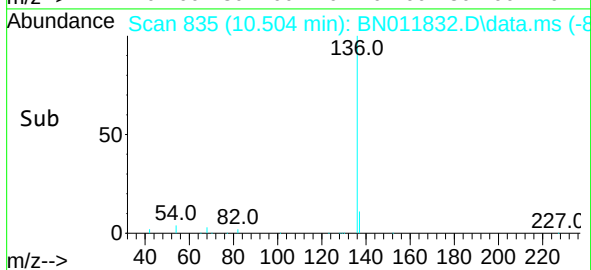
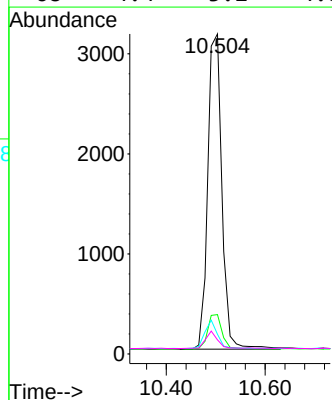
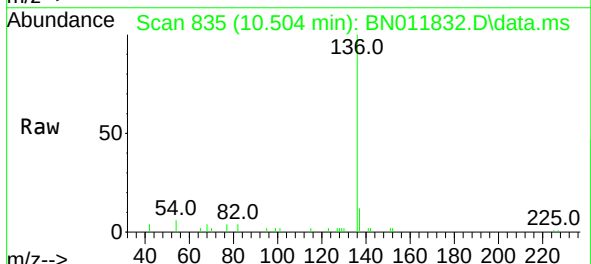
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

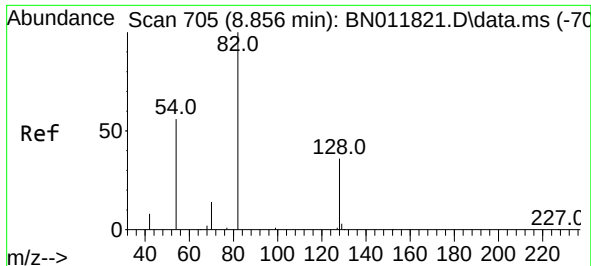
Tgt Ion: 99 Resp: 539
Ion Ratio Lower Upper
99 100
42 31.0 23.4 35.0
71 54.0 38.1 57.1



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.504 min Scan# 835
Delta R.T. 0.013 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

Tgt Ion: 136 Resp: 6274
Ion Ratio Lower Upper
136 100
137 12.3 9.5 14.3
54 6.1 5.6 8.4
68 4.4 3.2 4.8

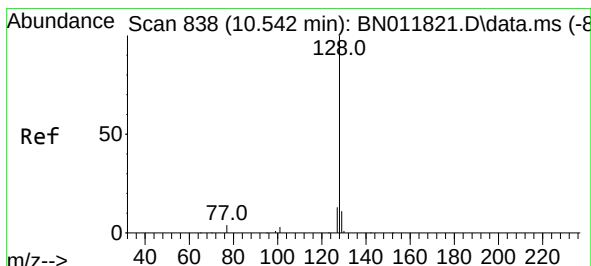
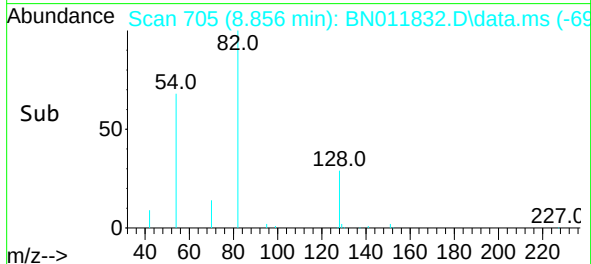
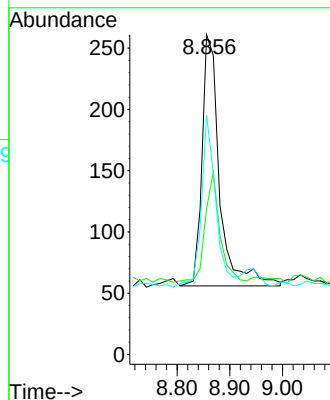
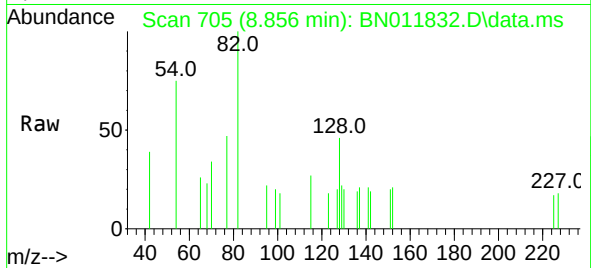




#8
Nitrobenzene-d5
Concen: 0.07 ng
RT: 8.856 min Scan# 705
Delta R.T. 0.000 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

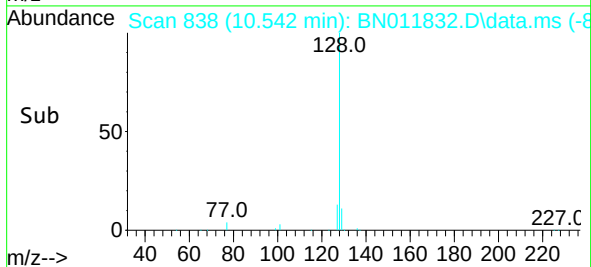
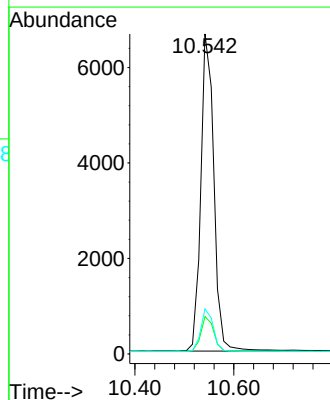
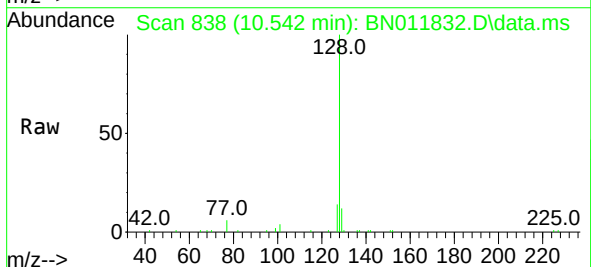
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

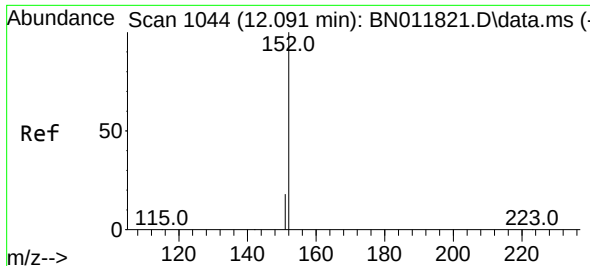
Tgt Ion: 82 Resp: 474
Ion Ratio Lower Upper
82 100
128 45.6 34.2 51.2
54 74.7 43.1 64.7#



#9
Naphthalene
Concen: 0.69 ng
RT: 10.542 min Scan# 838
Delta R.T. 0.000 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

Tgt Ion: 128 Resp: 12238
Ion Ratio Lower Upper
128 100
129 11.7 9.7 14.5
127 14.1 11.0 16.4

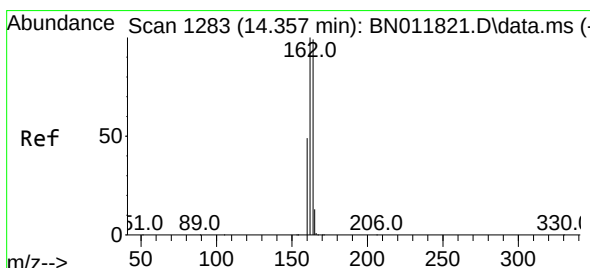
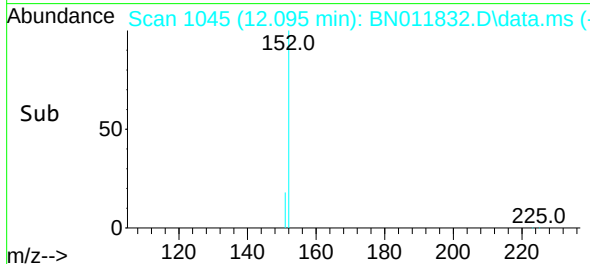
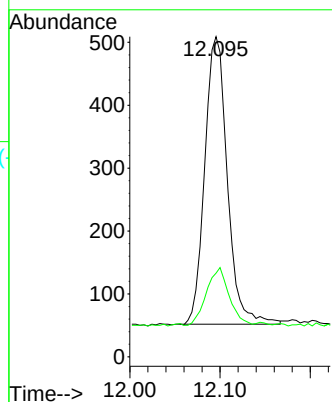
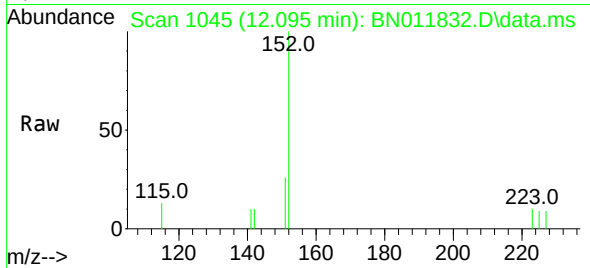




#11
2-Methylnaphthalene-d10
Concen: 0.07 ng
RT: 12.095 min Scan# 1045
Delta R.T. 0.005 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

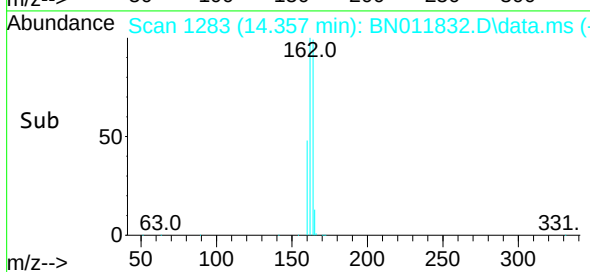
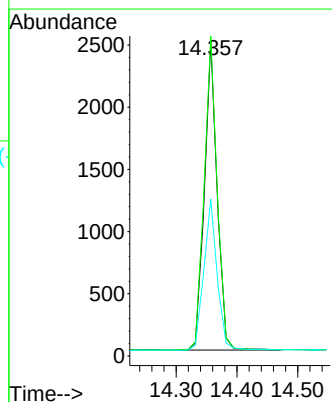
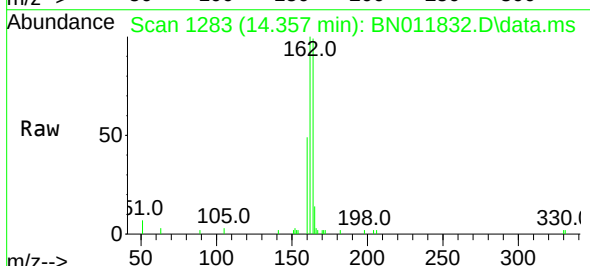
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

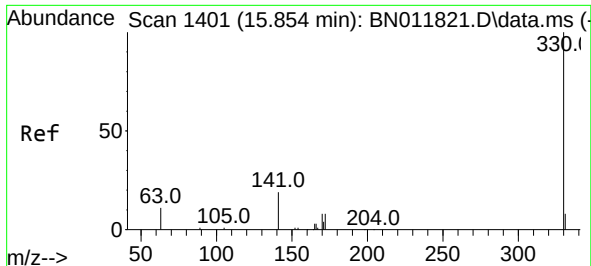
Tgt Ion:152 Resp: 796
Ion Ratio Lower Upper
152 100
151 20.1 16.7 25.1



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.357 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

Tgt Ion:164 Resp: 3626
Ion Ratio Lower Upper
164 100
162 101.5 83.6 125.4
160 49.8 41.2 61.8

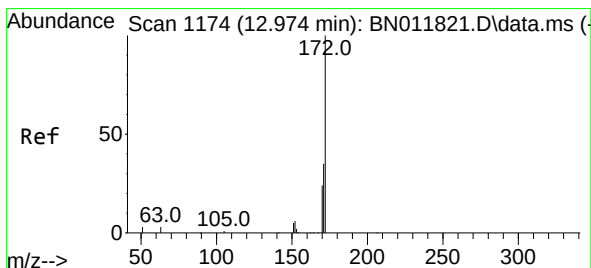
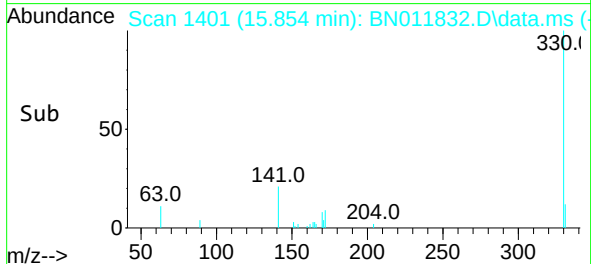
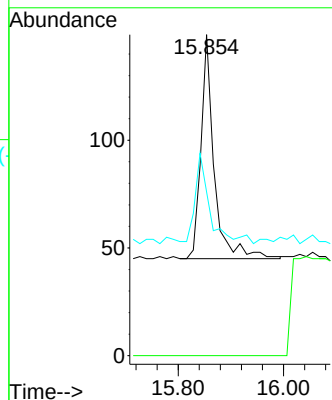
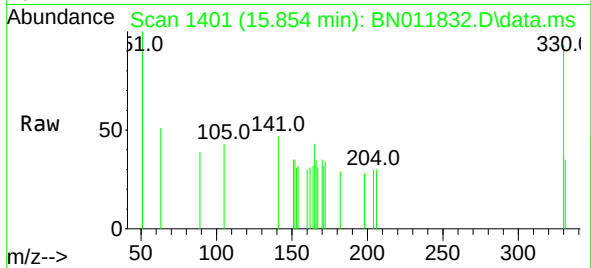




#14
2,4,6-Tribromophenol
Concen: 0.10 ng
RT: 15.854 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

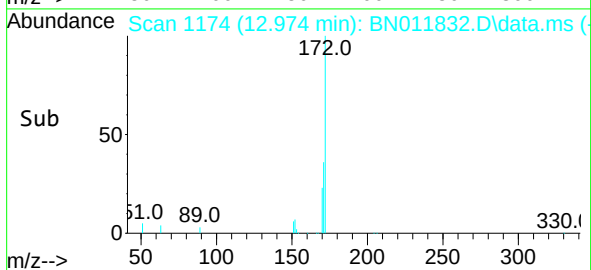
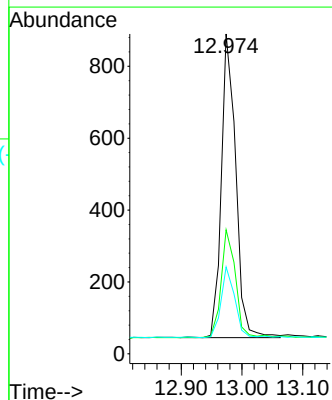
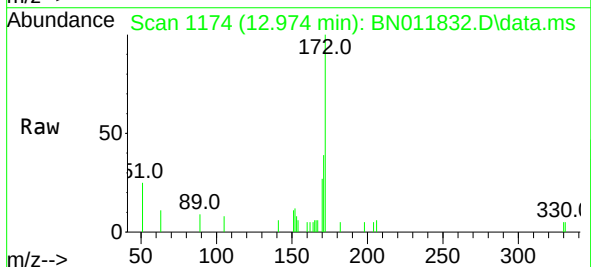
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

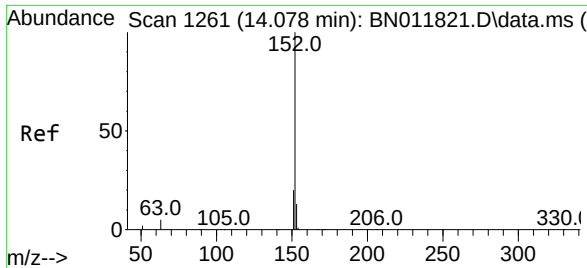
Tgt Ion:330 Resp: 180
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 45.0 33.7 50.5



#15
2-Fluorobiphenyl
Concen: 0.09 ng
RT: 12.974 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

Tgt Ion:172 Resp: 1391
Ion Ratio Lower Upper
172 100
171 38.8 27.4 41.2
170 27.2 17.8 26.6#

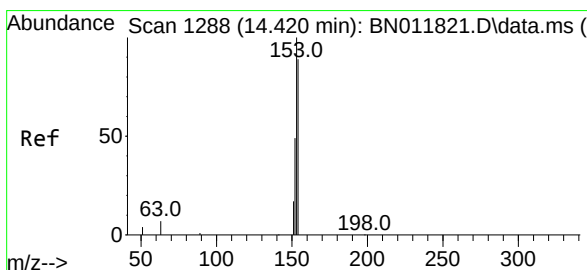
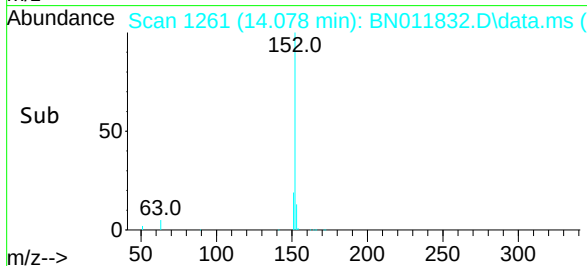
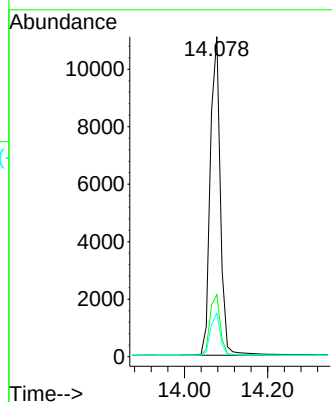
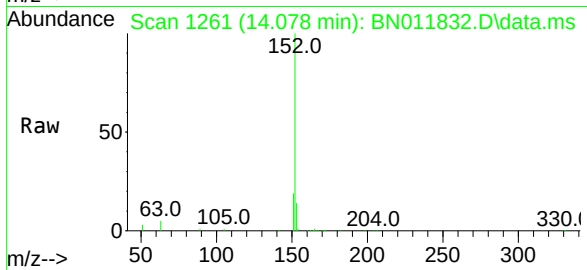




#16
Acenaphthylene
Concen: 1.06 ng
RT: 14.078 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

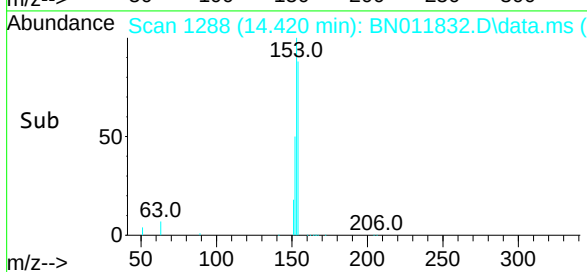
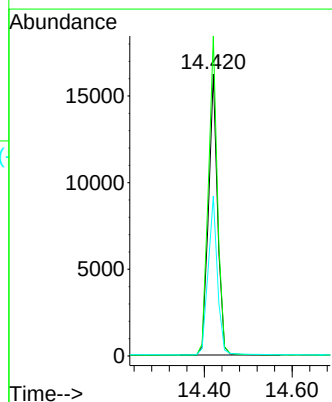
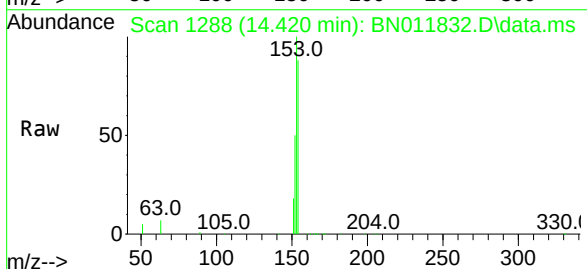
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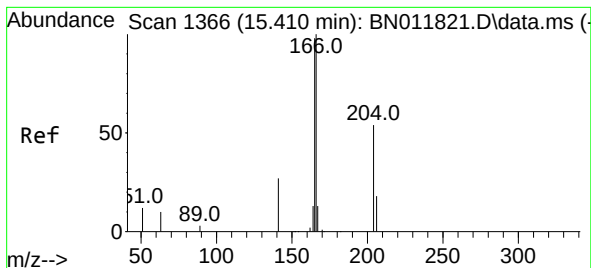
Tgt Ion:152 Resp: 18605
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.0 10.5 15.7



#17
Acenaphthene
Concen: 1.91 ng
RT: 14.420 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

Tgt Ion:154 Resp: 23251
Ion Ratio Lower Upper
154 100
153 114.3 83.4 125.2
152 57.8 42.8 64.2





#18

Fluorene

Concen: 0.68 ng

RT: 15.410 min Scan# 1366

Delta R.T. 0.000 min

Lab File: BN011832.D

Acq: 18 Sep 2020 11:49

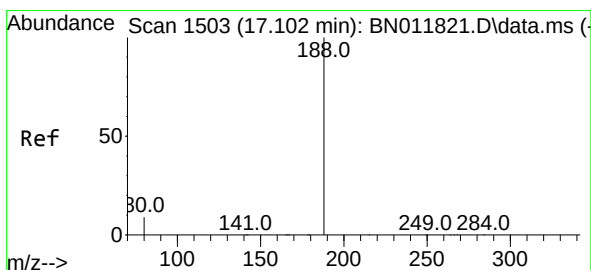
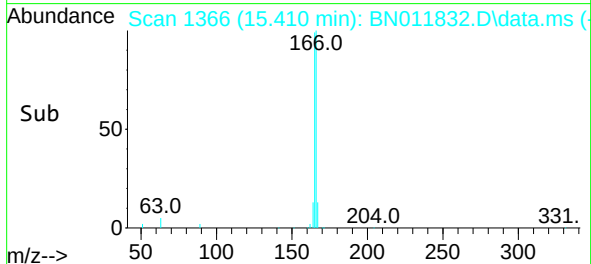
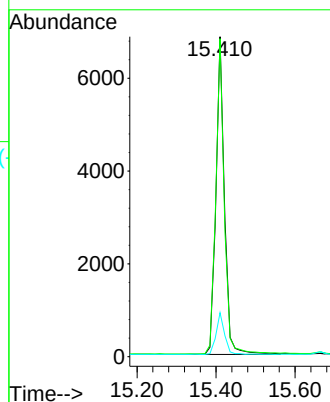
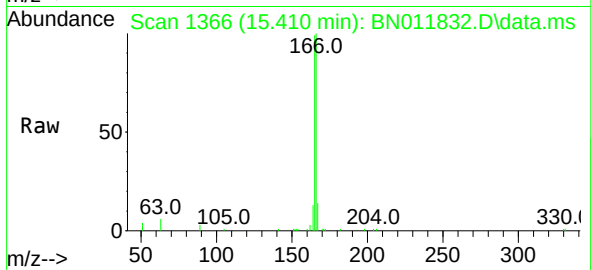
Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

Tgt Ion:	166	Resp:	10263
Ion Ratio	Lower	Upper	
166	100		
165	98.8	78.8	118.2
167	13.2	11.2	16.8



#19

Phenanthrene-d10

Concen: 0.40 ng

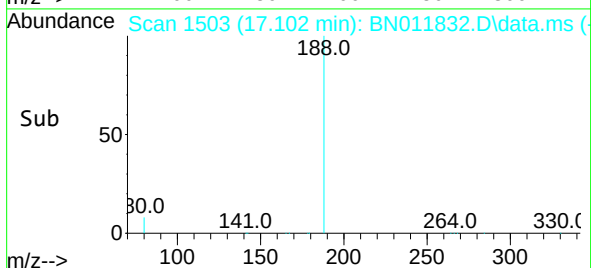
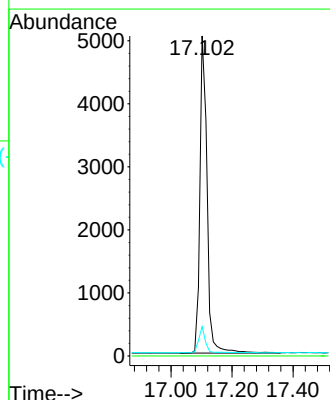
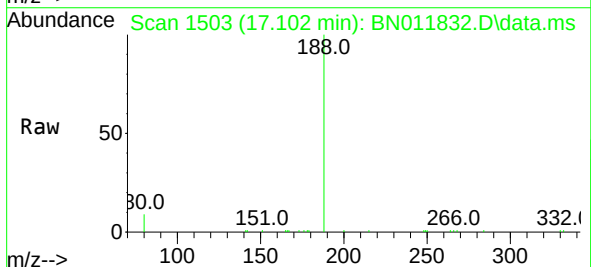
RT: 17.102 min Scan# 1503

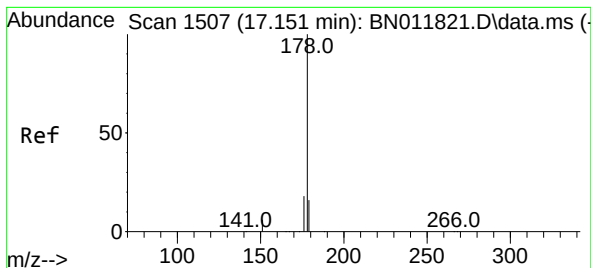
Delta R.T. 0.000 min

Lab File: BN011832.D

Acq: 18 Sep 2020 11:49

Tgt Ion:	188	Resp:	8156
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.1	7.7	11.5

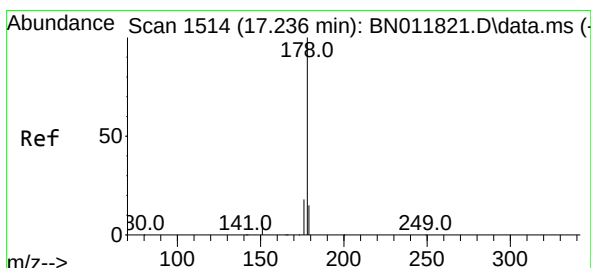
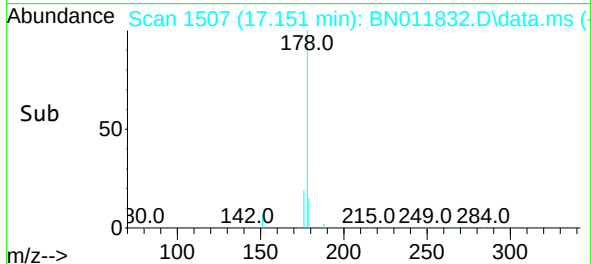
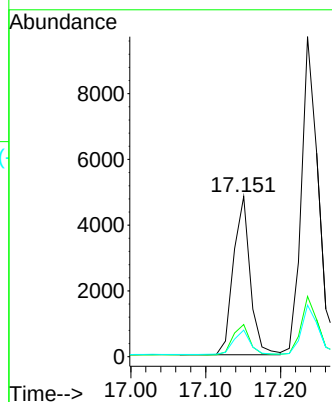
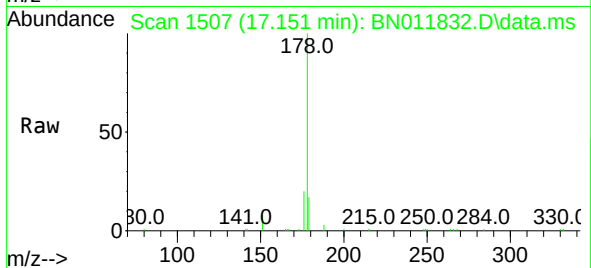




#25
Phenanthrene
Concen: 0.29 ng
RT: 17.151 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

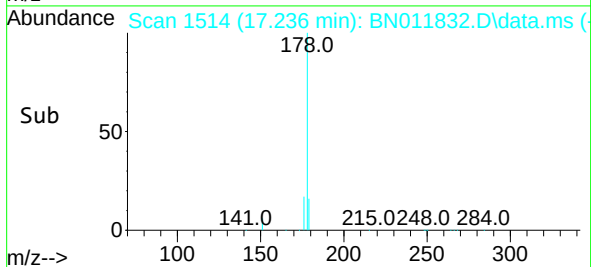
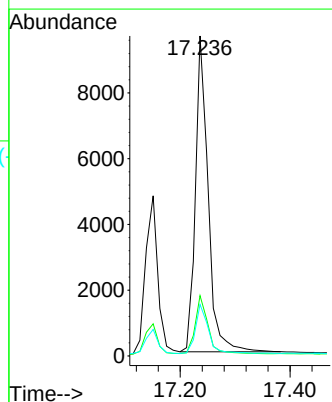
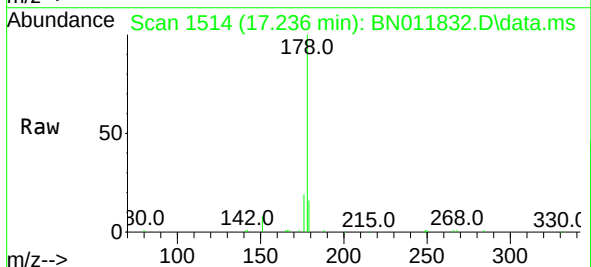
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

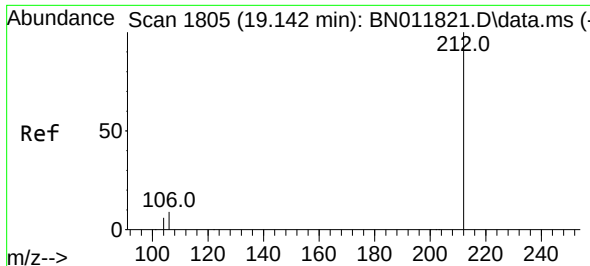
Tgt Ion:178 Resp: 7505
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.6 12.3 18.5



#26
Anthracene
Concen: 0.69 ng
RT: 17.236 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

Tgt Ion:178 Resp: 15445
Ion Ratio Lower Upper
178 100
176 18.1 14.6 21.8
179 15.5 12.4 18.6

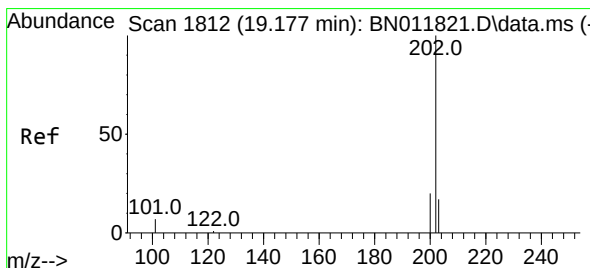
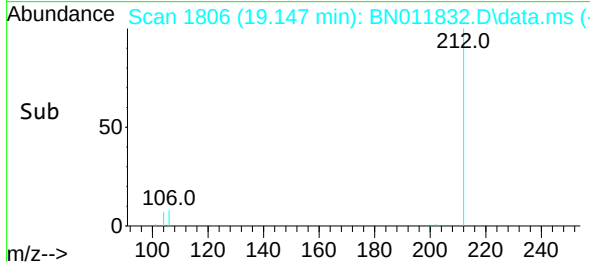
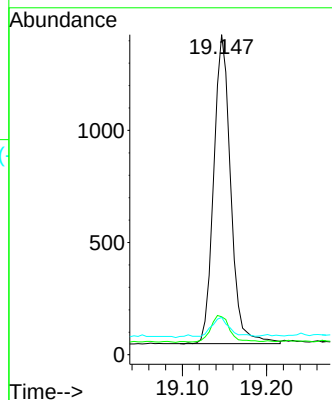
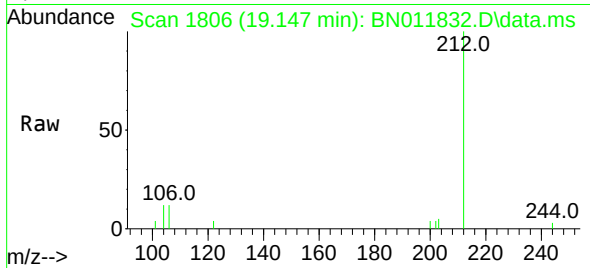




#27
Fluoranthene-d10
Concen: 0.07 ng
RT: 19.147 min Scan# 1806
Delta R.T. 0.005 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

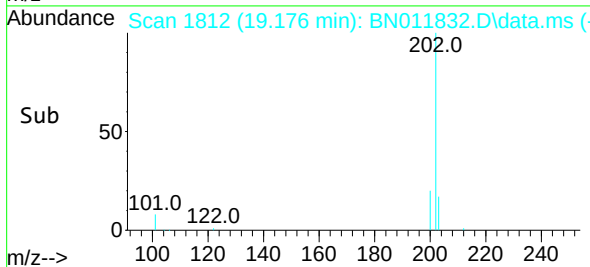
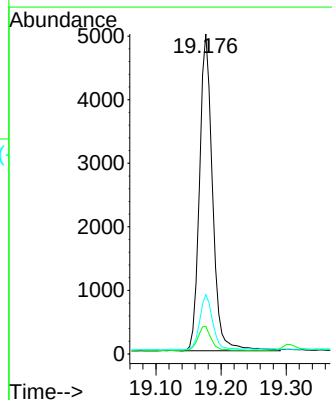
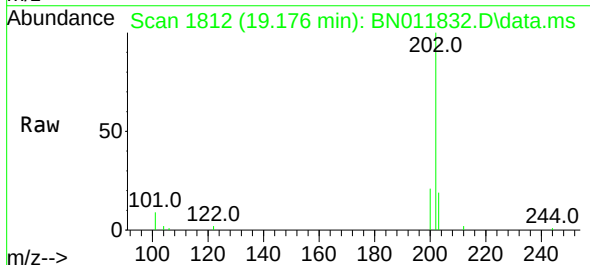
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

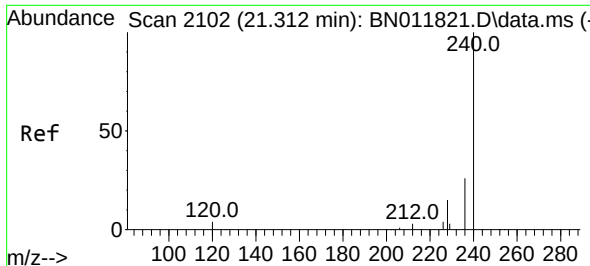
Tgt Ion:212 Resp: 1932
Ion Ratio Lower Upper
212 100
106 9.3 6.4 9.6
104 6.4 3.9 5.9#



#28
Fluoranthene
Concen: 0.23 ng
RT: 19.176 min Scan# 1812
Delta R.T. 0.005 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

Tgt Ion:202 Resp: 6942
Ion Ratio Lower Upper
202 100
101 7.7 5.4 8.2
203 17.0 13.8 20.6

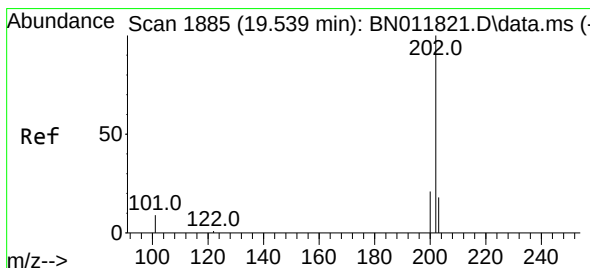
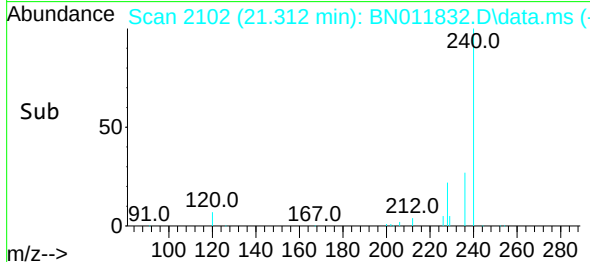
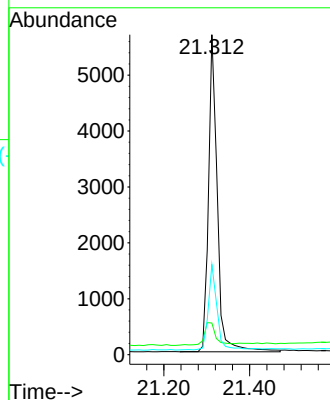
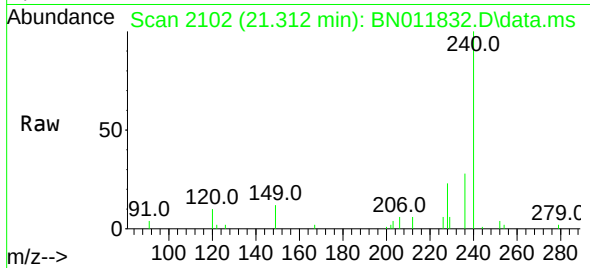




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.312 min Scan# 2102
Delta R.T. 0.000 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

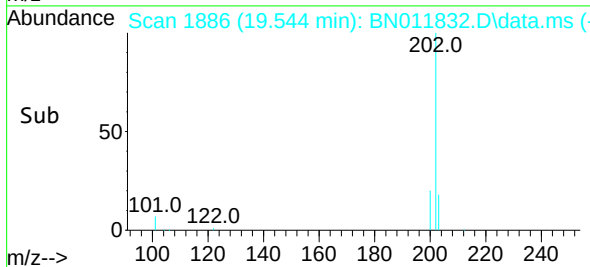
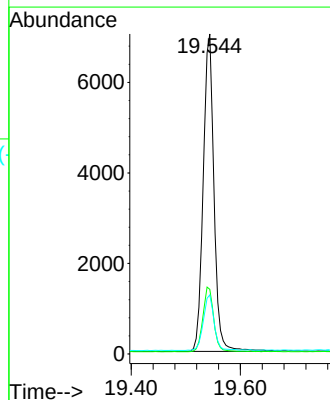
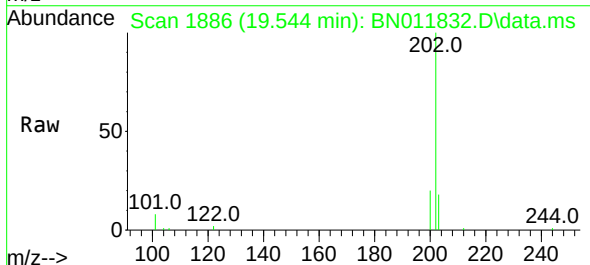
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

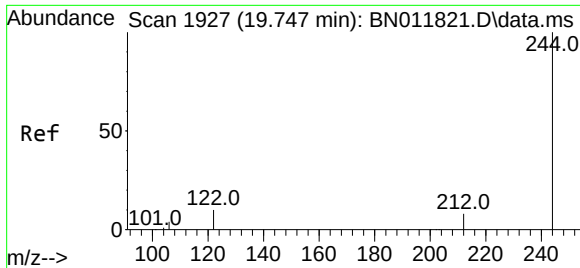
Tgt Ion:240 Resp: 8062
Ion Ratio Lower Upper
240 100
120 9.9 3.5 5.3#
236 28.2 20.5 30.7



#30
Pyrene
Concen: 0.34 ng
RT: 19.544 min Scan# 1886
Delta R.T. 0.005 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

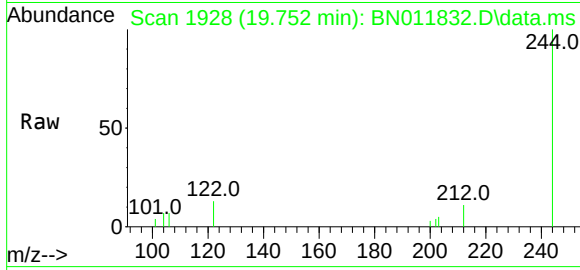
Tgt Ion:202 Resp: 9704
Ion Ratio Lower Upper
202 100
200 20.5 16.5 24.7
203 17.4 13.9 20.9



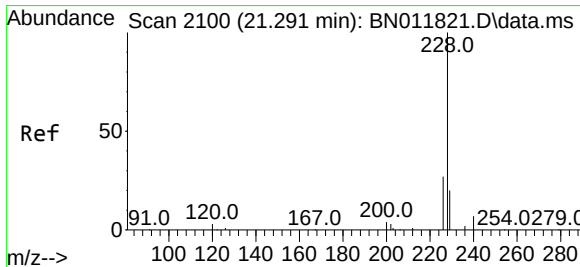
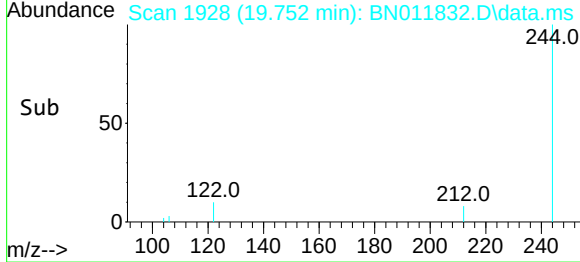
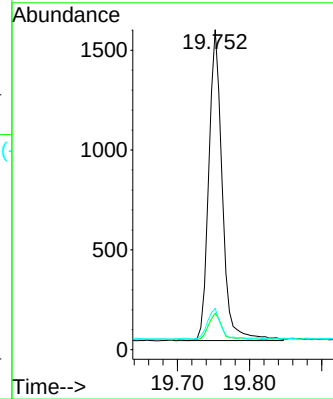


#31
Terphenyl-d14
Concen: 0.11 ng
RT: 19.752 min Scan# 1928
Delta R.T. 0.005 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

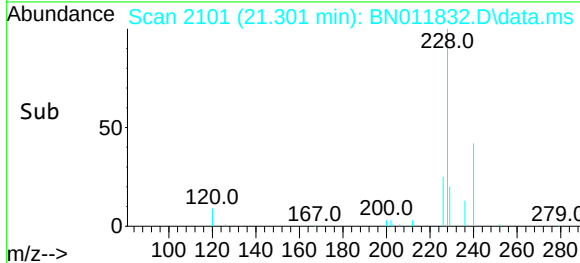
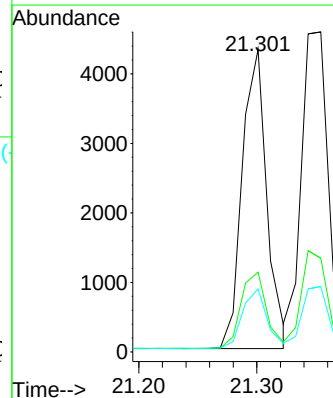
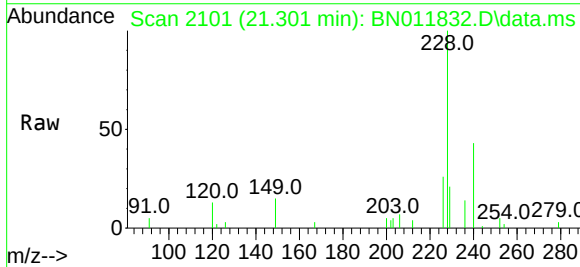


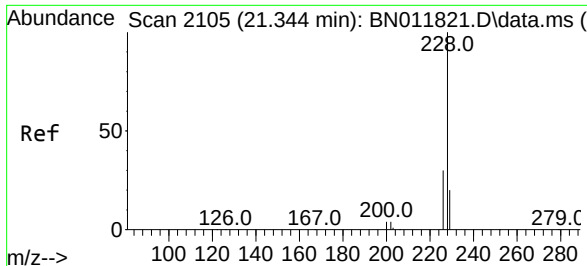
Tgt Ion:244 Resp: 2025
Ion Ratio Lower Upper
244 100
212 11.4 7.3 10.9#
122 12.9 7.8 11.6#



#32
Benzo(a)anthracene
Concen: 0.23 ng
RT: 21.301 min Scan# 2101
Delta R.T. 0.011 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

Tgt Ion:228 Resp: 6263
Ion Ratio Lower Upper
228 100
226 26.4 21.0 31.4
229 20.8 16.0 24.0





#33

Chrysene

Concen: 0.26 ng

RT: 21.354 min Scan# 2106

Delta R.T. 0.011 min

Lab File: BN011832.D

Acq: 18 Sep 2020 11:49

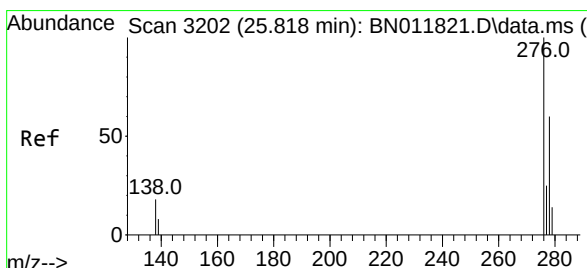
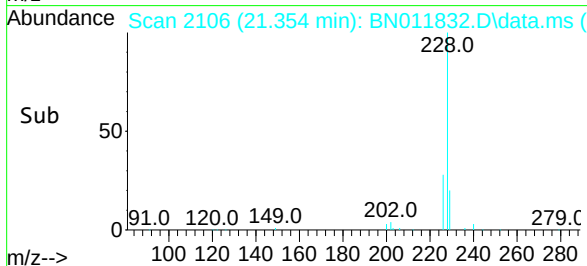
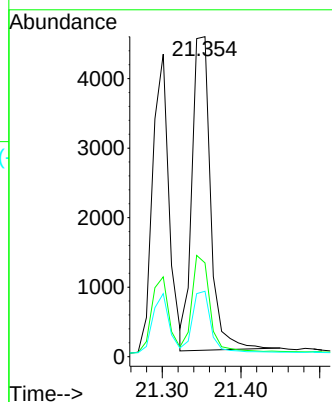
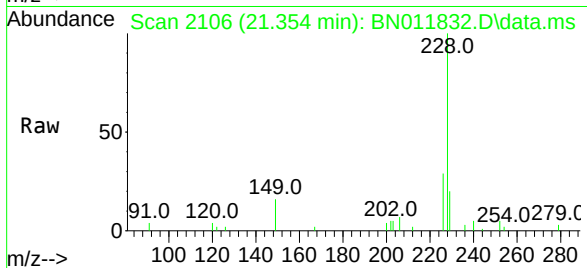
Tgt Ion:228 Resp: 7388

Ion Ratio Lower Upper

228 100

226 29.3 23.3 34.9

229 20.4 15.8 23.8



#35

Indeno(1,2,3-cd)pyrene

Concen: 0.36 ng

RT: 25.825 min Scan# 3204

Delta R.T. 0.010 min

Lab File: BN011832.D

Acq: 18 Sep 2020 11:49

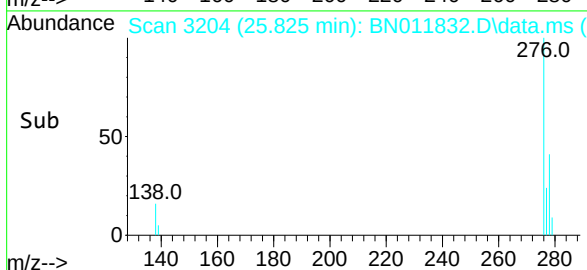
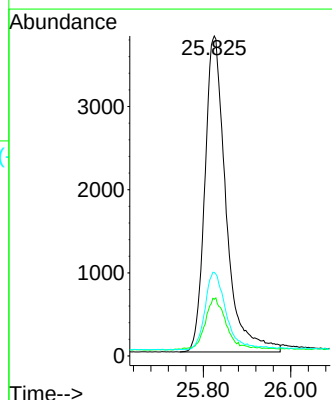
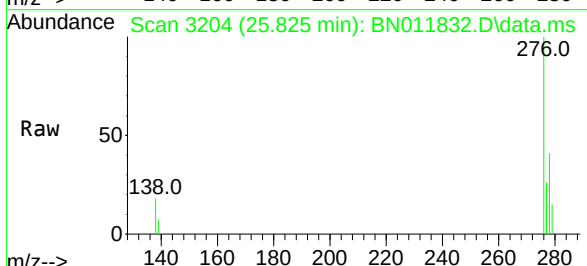
Tgt Ion:276 Resp: 12748

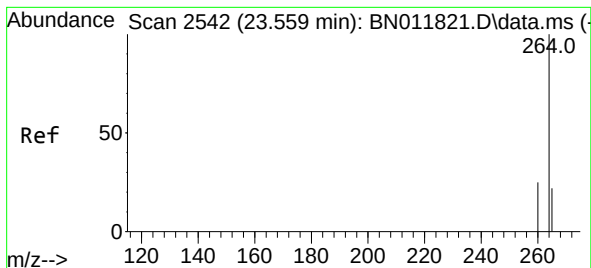
Ion Ratio Lower Upper

276 100

138 15.3 13.0 19.4

277 24.4 20.0 30.0

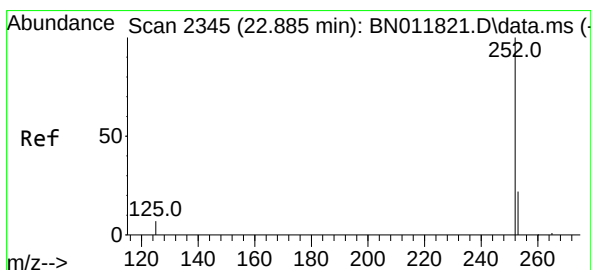
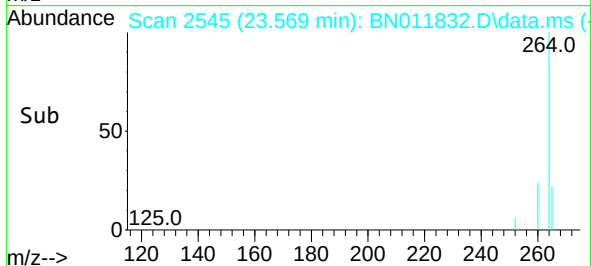
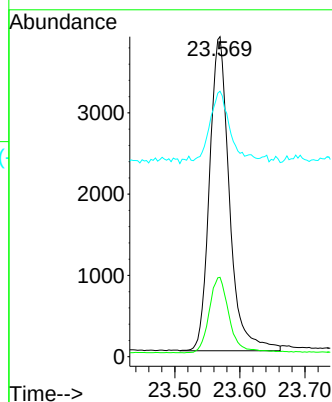
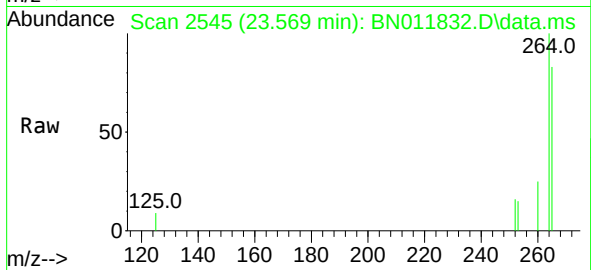




#36
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.569 min Scan# 2545
 Delta R.T. 0.010 min
 Lab File: BN011832.D
 Acq: 18 Sep 2020 11:49

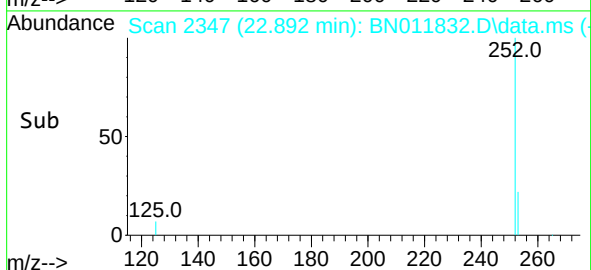
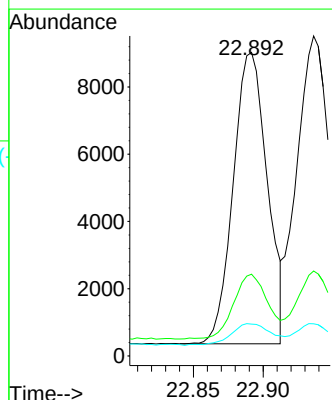
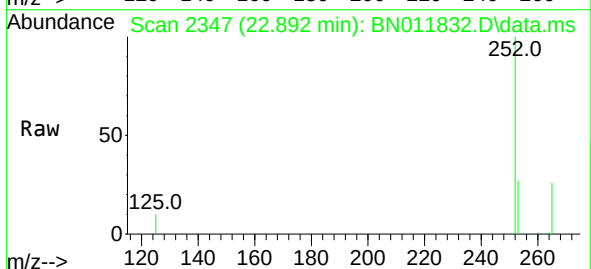
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

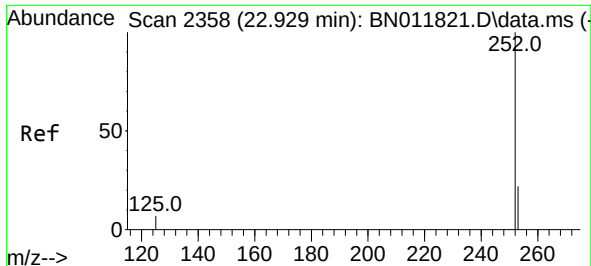
Tgt Ion:264 Resp: 8208
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.6 29.4
 265 83.0 38.6 58.0#



#37
 Benzo(b)fluoranthene
 Concen: 0.48 ng
 RT: 22.892 min Scan# 2347
 Delta R.T. 0.007 min
 Lab File: BN011832.D
 Acq: 18 Sep 2020 11:49

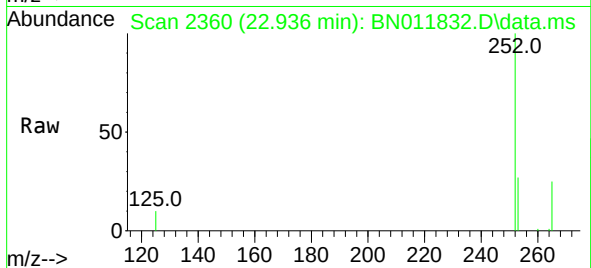
Tgt Ion:252 Resp: 14708
 Ion Ratio Lower Upper
 252 100
 253 26.9 19.1 28.7
 125 10.5 6.2 9.2#



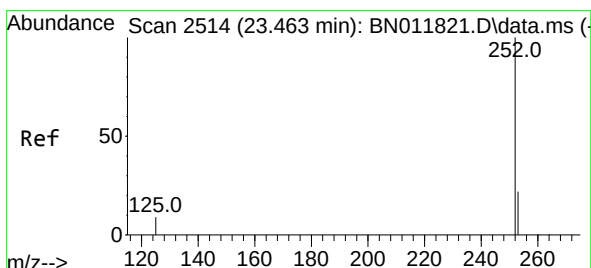
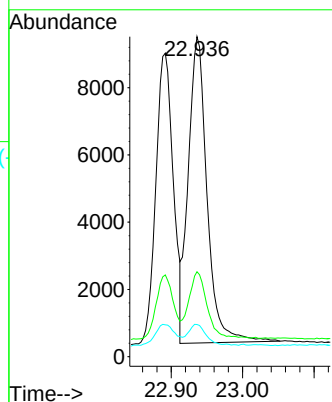
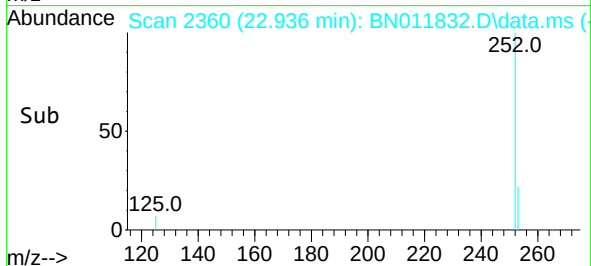


#38
Benzo(k)fluoranthene
Concen: 0.53 ng
RT: 22.936 min Scan# 2360
Delta R.T. 0.010 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

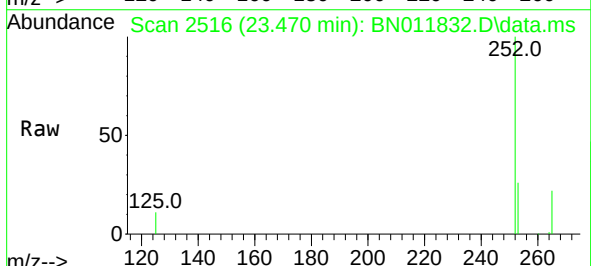
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL



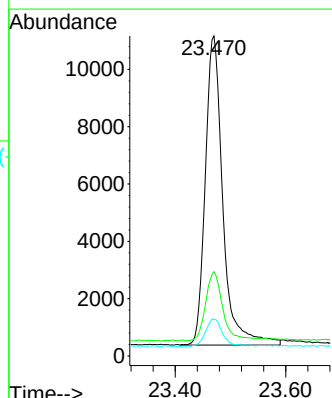
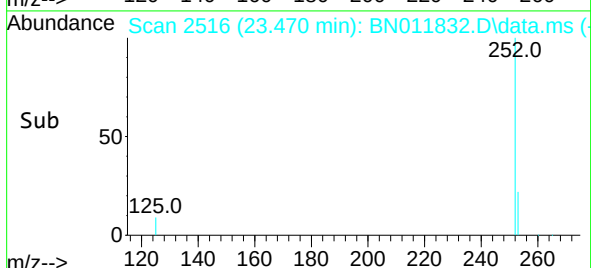
Tgt Ion:252 Resp: 16653
Ion Ratio Lower Upper
252 100
253 26.6 19.3 28.9
125 10.0 6.0 9.0#

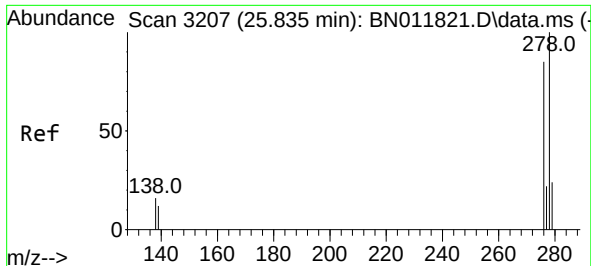


#39
Benzo(a)pyrene
Concen: 0.87 ng
RT: 23.470 min Scan# 2516
Delta R.T. 0.010 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49



Tgt Ion:252 Resp: 23808
Ion Ratio Lower Upper
252 100
253 26.3 19.8 29.6
125 11.4 7.3 10.9#

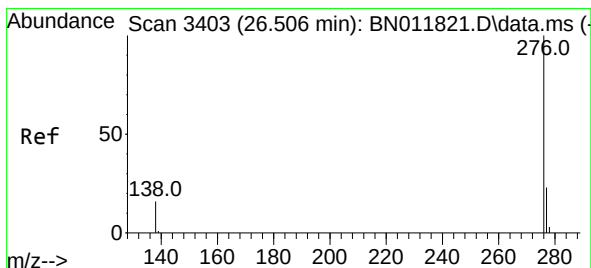
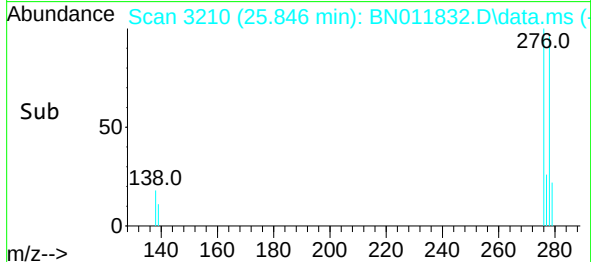
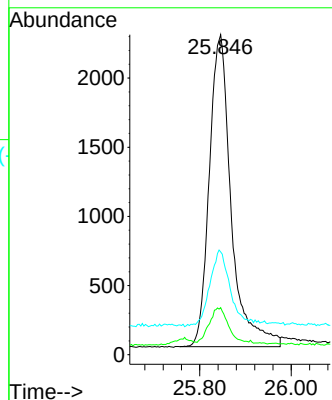
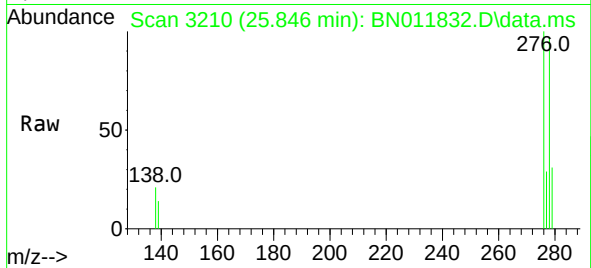




#40
Dibenzo(a,h)anthracene
Concen: 0.25 ng
RT: 25.846 min Scan# 3210
Delta R.T. 0.014 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:278 Resp: 7502
Ion Ratio Lower Upper
278 100
139 14.7 8.6 13.0#
279 32.1 19.8 29.8#



#41
Benzo(g,h,i)perylene
Concen: 0.85 ng
RT: 26.516 min Scan# 3406
Delta R.T. 0.010 min
Lab File: BN011832.D
Acq: 18 Sep 2020 11:49

Tgt Ion:276 Resp: 27269
Ion Ratio Lower Upper
276 100
277 24.4 19.4 29.0
138 15.6 11.3 16.9

