

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091820\
 Data File : BN011831.D
 Acq On : 18 Sep 2020 10:53
 Operator : CG/JU
 Sample : L3971-21
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

Quant Time: Sep 18 11:29:40 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)

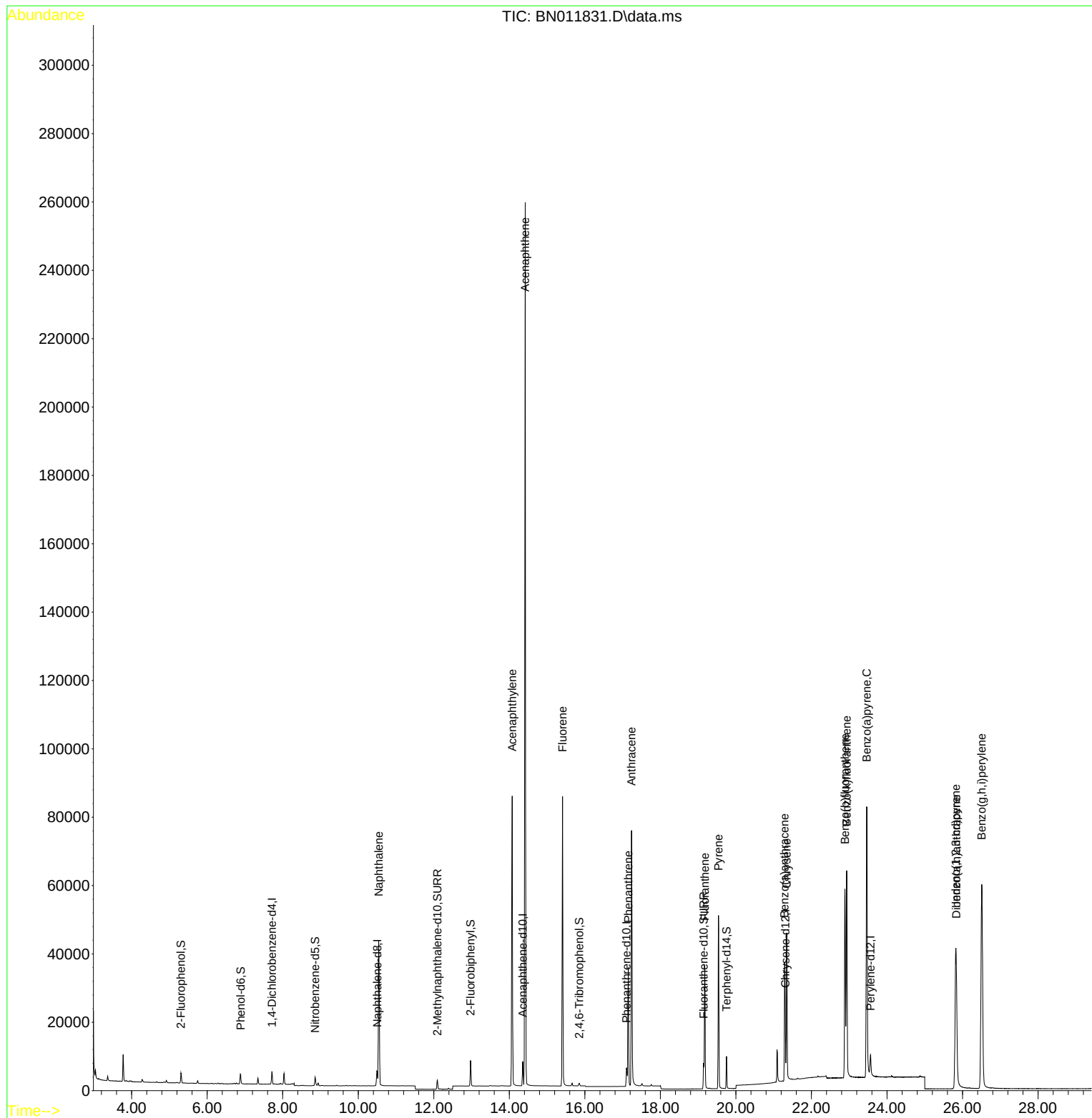
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.715	152	1705	0.40	ng	0.00
7) Naphthalene-d8	10.504	136	6416	0.40	ng	0.01
13) Acenaphthene-d10	14.357	164	3756	0.40	ng	0.00
19) Phenanthrene-d10	17.102	188	8171	0.40	ng	0.00
29) Chrysene-d12	21.312	240	8515	0.40	ng	# 0.00
36) Perylene-d12	23.566	264	8352	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.307	112	2182	0.43	ng	0.00
5) Phenol-d6	6.886	99	2505	0.41	ng	0.00
8) Nitrobenzene-d5	8.856	82	2213	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.095	152	3848	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.854	330	778	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.974	172	6439	0.40	ng	0.00
27) Fluoranthene-d10	19.147	212	9272	0.36	ng	0.00
31) Terphenyl-d14	19.752	244	9692	0.50	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.542	128	57745	3.20	ng	98
16) Acenaphthylene	14.078	152	93111	5.14	ng	100
17) Acenaphthene	14.420	154	116658	9.26	ng	93
18) Fluorene	15.410	166	50671	3.22	ng	99
25) Phenanthrene	17.151	178	36565	1.41	ng	100
26) Anthracene	17.236	178	81126	3.61	ng	100
28) Fluoranthene	19.176	202	34266	1.13	ng	99
30) Pyrene	19.539	202	47491	1.60	ng	100
32) Benzo(a)anthracene	21.290	228	31109	1.08	ng	97
33) Chrysene	21.343	228	35547	1.20	ng	98
35) Indeno(1,2,3-cd)pyrene	25.822	276	62915	1.70	ng	100
37) Benzo(b)fluoranthene	22.888	252	71213	2.29	ng	98
38) Benzo(k)fluoranthene	22.933	252	80917	2.51	ng	98
39) Benzo(a)pyrene	23.463	252	118107	4.26	ng	96
40) Dibenzo(a,h)anthracene	25.835	278	37944	1.24	ng	99
41) Benzo(g,h,i)perylene	26.510	276	132092	4.05	ng	99

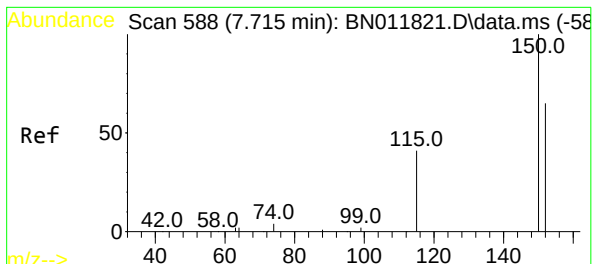
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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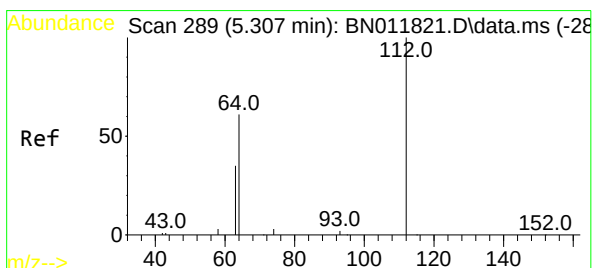
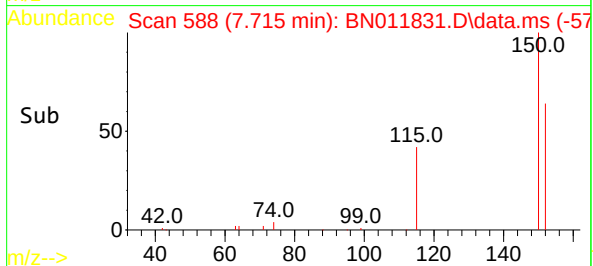
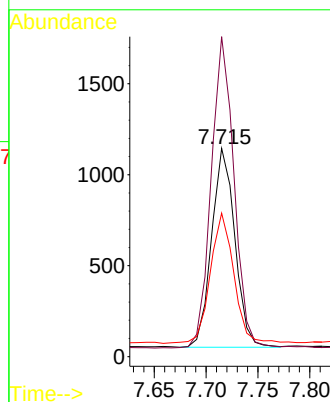
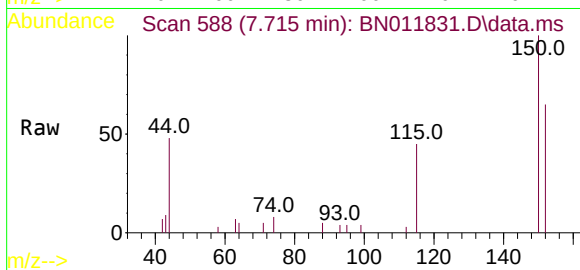


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.715 min Scan# 588
 Delta R.T. 0.000 min
 Lab File: BN011831.D
 Acq: 18 Sep 2020 10:53

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

Tgt Ion:152 Resp: 1705

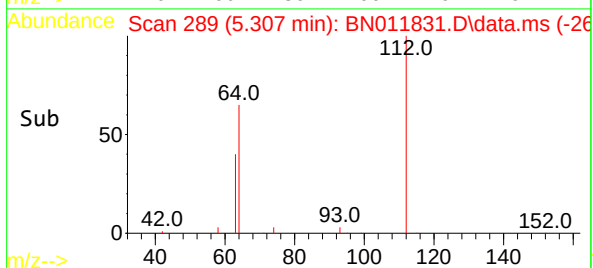
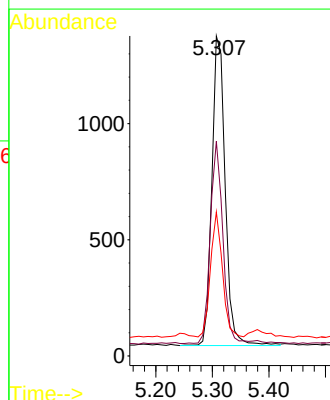
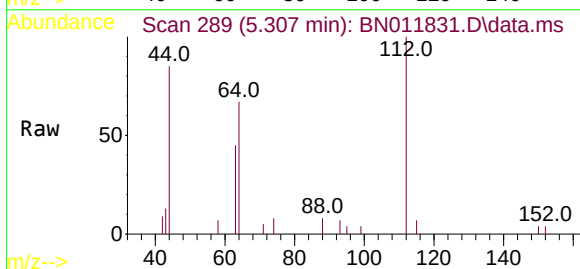
Ion	Ratio	Lower	Upper
152	100		
150	153.6	118.3	177.5
115	68.9	51.3	76.9

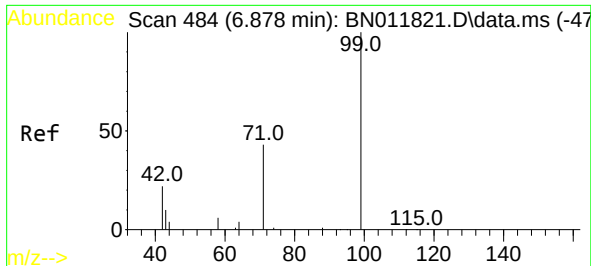


#4
 2-Fluorophenol
 Concen: 0.43 ng
 RT: 5.307 min Scan# 289
 Delta R.T. 0.000 min
 Lab File: BN011831.D
 Acq: 18 Sep 2020 10:53

Tgt Ion:112 Resp: 2182

Ion	Ratio	Lower	Upper
112	100		
64	61.3	49.0	73.6
63	36.2	31.8	47.6

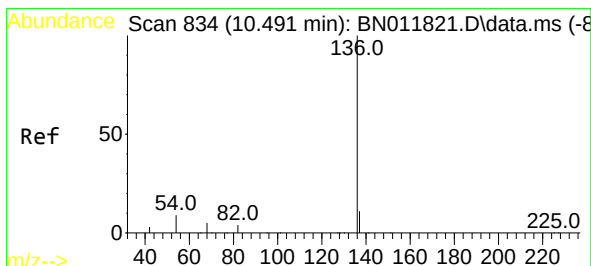
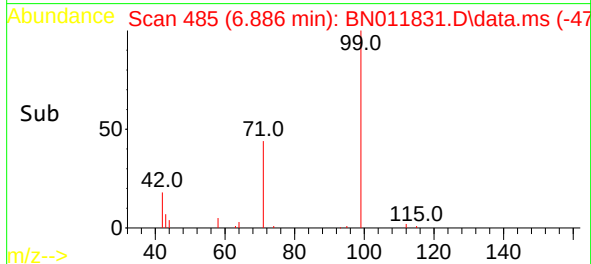
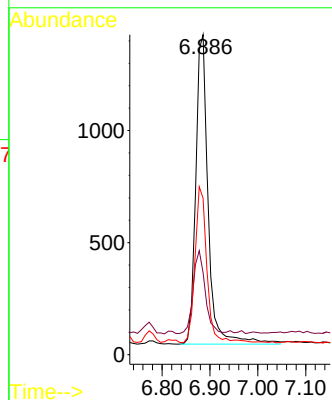
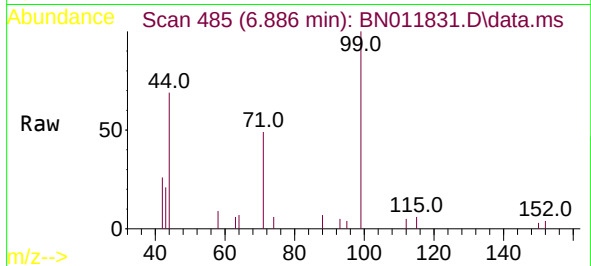




#5
Phenol-d6
Concen: 0.41 ng
RT: 6.886 min Scan# 485
Delta R.T. 0.008 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

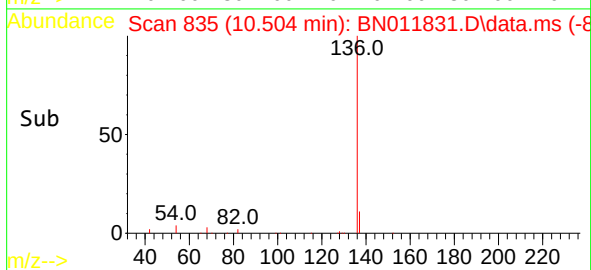
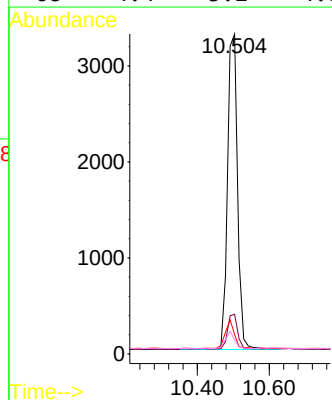
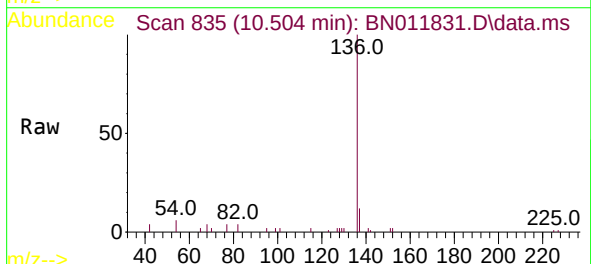
Instrument :
BNA_N
ClientSampleId :
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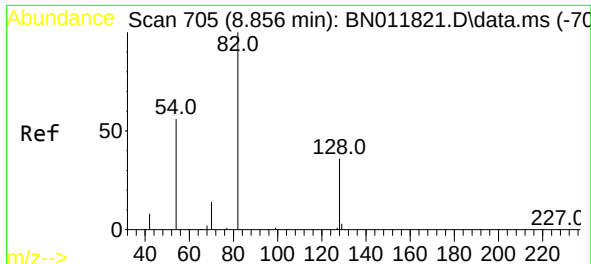
Tgt Ion: 99 Resp: 2505
Ion Ratio Lower Upper
99 100
42 25.6 23.4 35.0
71 48.5 38.1 57.1



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.504 min Scan# 835
Delta R.T. 0.013 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion: 136 Resp: 6416
Ion Ratio Lower Upper
136 100
137 12.4 9.5 14.3
54 6.0 5.6 8.4
68 4.4 3.2 4.8

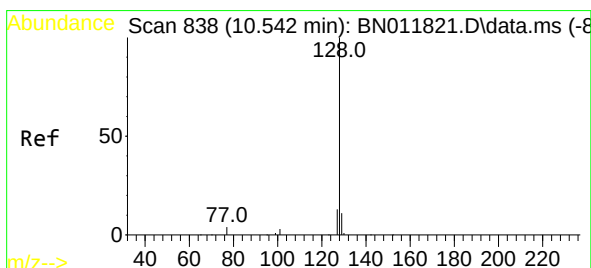
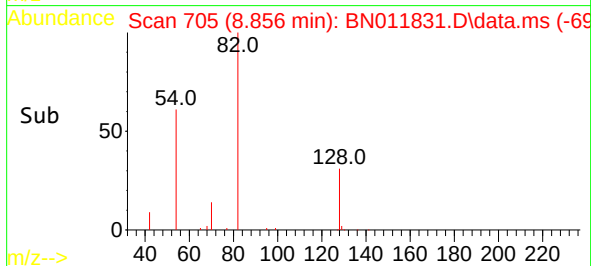
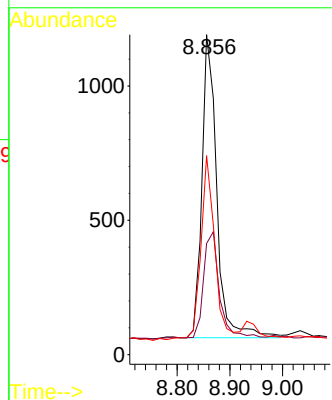
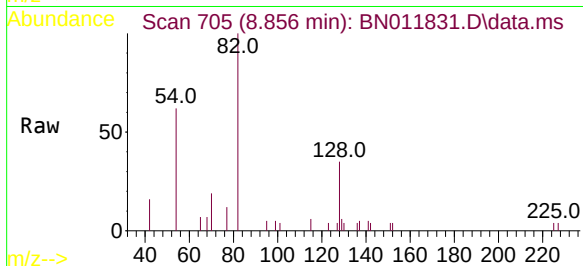




#8
Nitrobenzene-d5
Concen: 0.34 ng
RT: 8.856 min Scan# 705
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

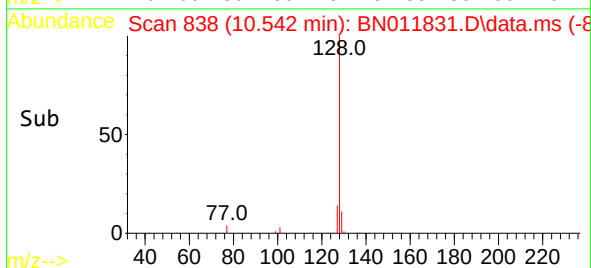
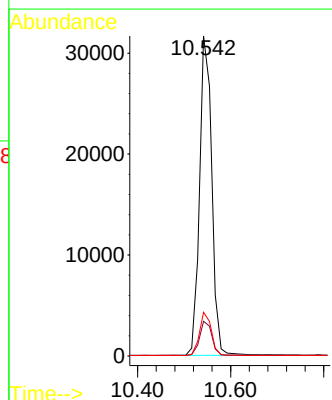
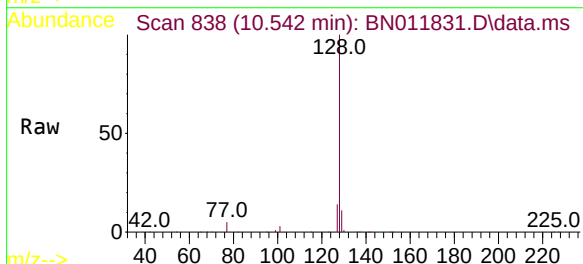
Instrument :
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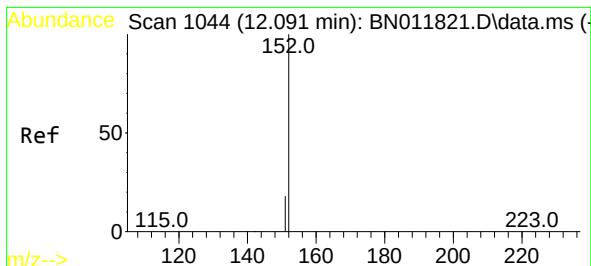
Tgt Ion:	82	Resp:	2213
Ion	Ratio	Lower	Upper
82	100		
128	34.8	34.2	51.2
54	62.2	43.1	64.7



#9
Naphthalene
Concen: 3.20 ng
RT: 10.542 min Scan# 838
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:	128	Resp:	57745
Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.7	14.5
127	13.7	11.0	16.4

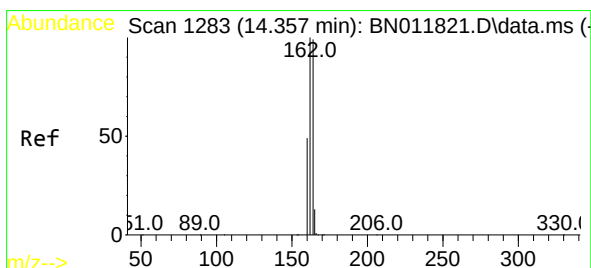
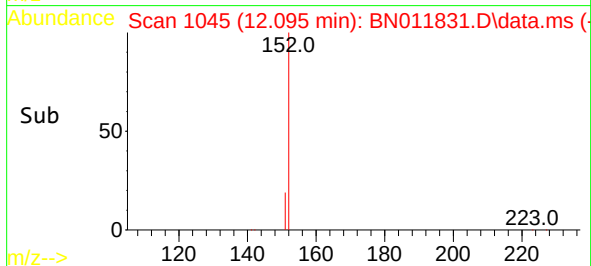
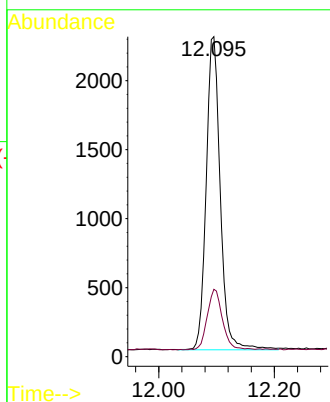
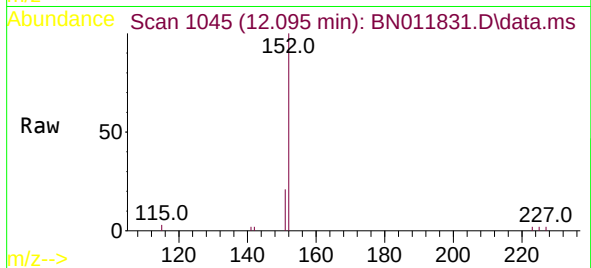




#11
2-Methylnaphthalene-d10
Concen: 0.34 ng
RT: 12.095 min Scan# 1045
Delta R.T. 0.004 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

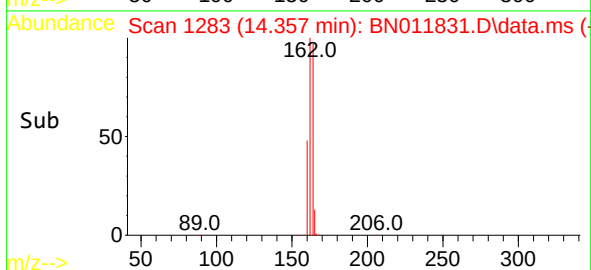
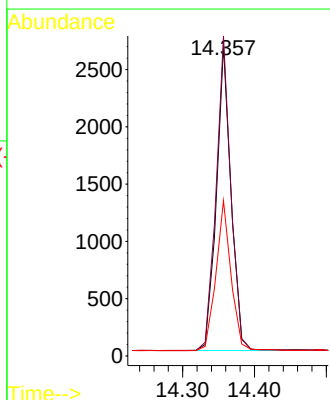
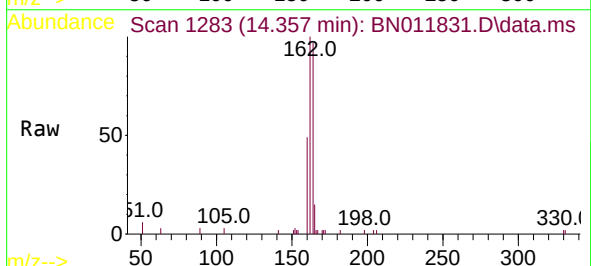
Instrument :
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ClientSampleId :
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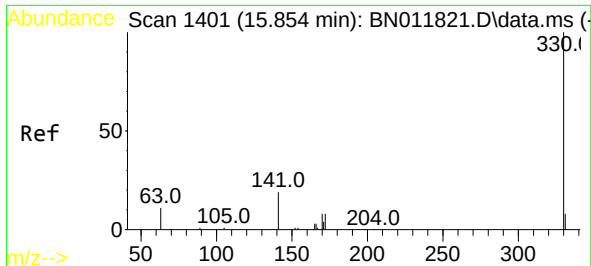
Tgt Ion:152 Resp: 3848
Ion Ratio Lower Upper
152 100
151 20.8 16.7 25.1



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.357 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:164 Resp: 3756
Ion Ratio Lower Upper
164 100
162 103.0 83.6 125.4
160 50.0 41.2 61.8

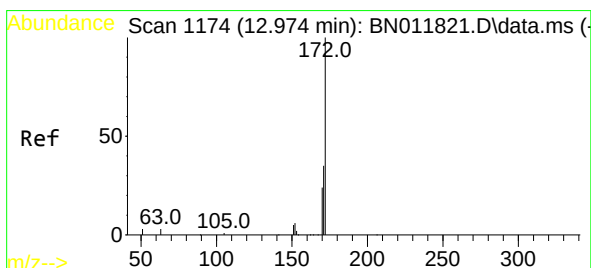
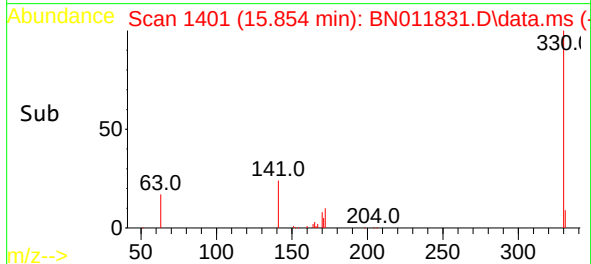
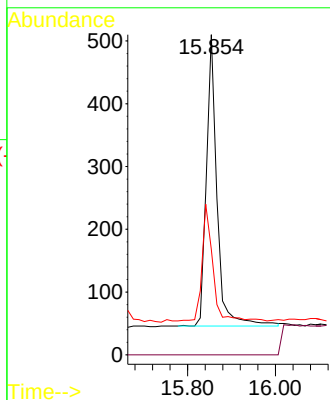
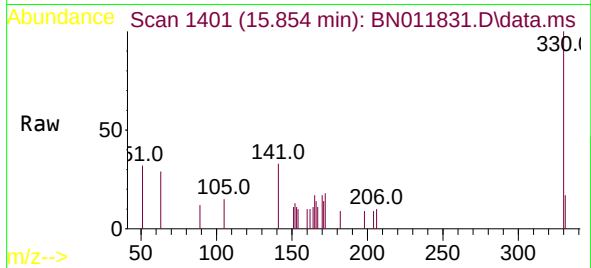




#14
2,4,6-Tribromophenol
Concen: 0.41 ng
RT: 15.854 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

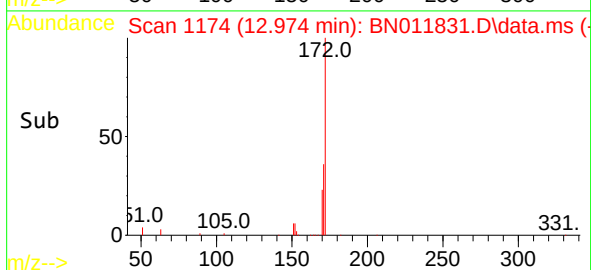
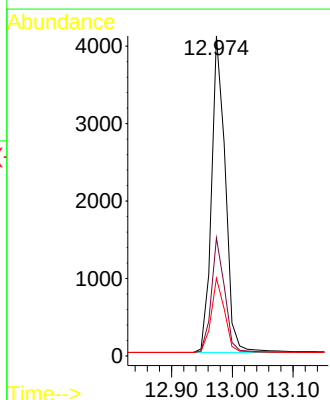
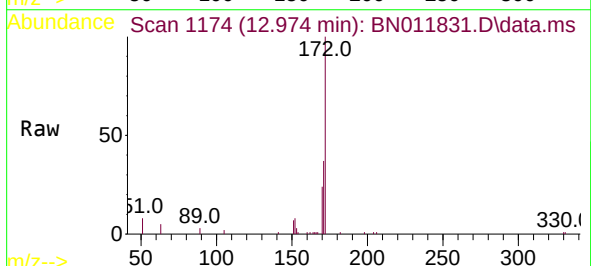
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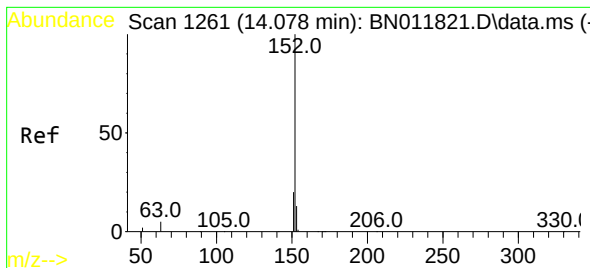
Tgt Ion:330 Resp: 778
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 40.2 33.7 50.5



#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 12.974 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:172 Resp: 6439
Ion Ratio Lower Upper
172 100
171 36.9 27.4 41.2
170 24.3 17.8 26.6

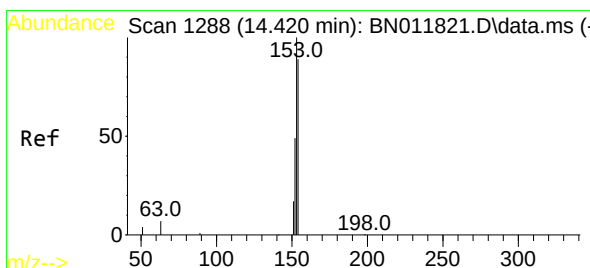
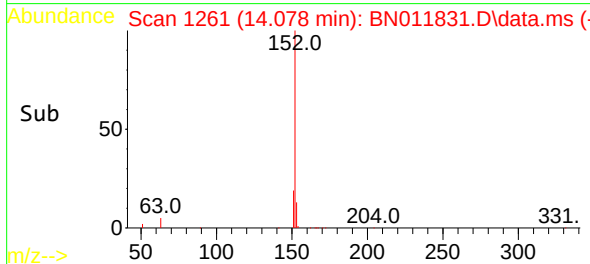
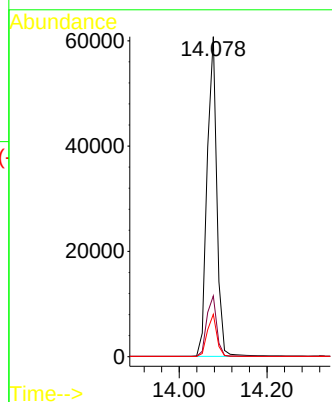
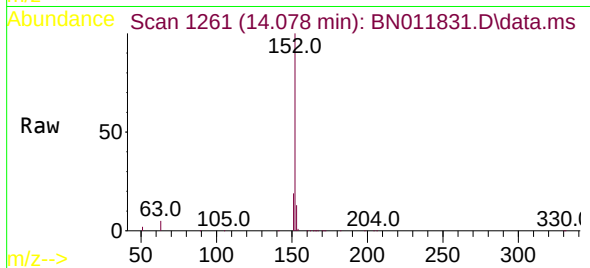




#16
Acenaphthylene
Concen: 5.14 ng
RT: 14.078 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

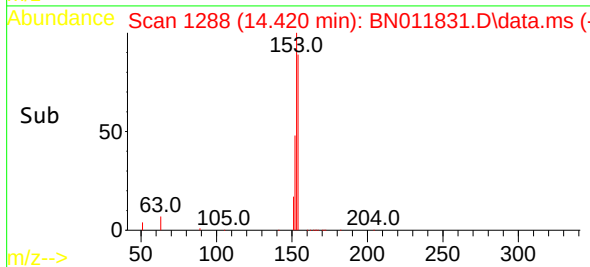
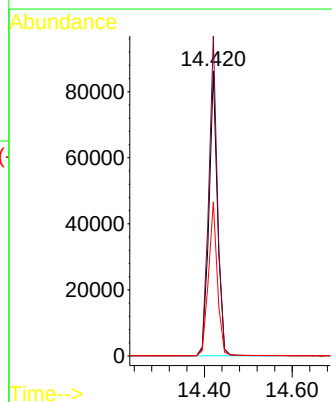
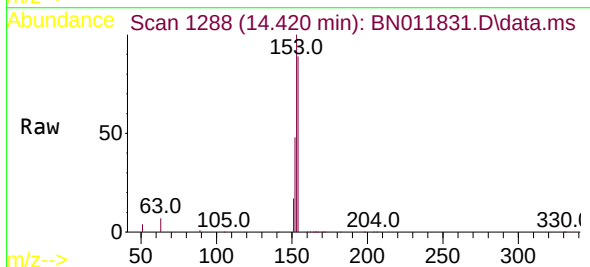
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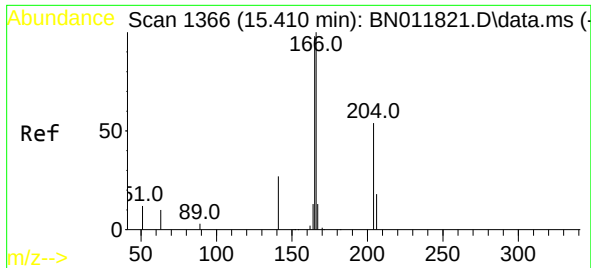
Tgt Ion:152 Resp: 93111
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.0 10.5 15.7



#17
Acenaphthene
Concen: 9.26 ng
RT: 14.420 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:154 Resp: 116658
Ion Ratio Lower Upper
154 100
153 113.2 83.4 125.2
152 55.7 42.8 64.2

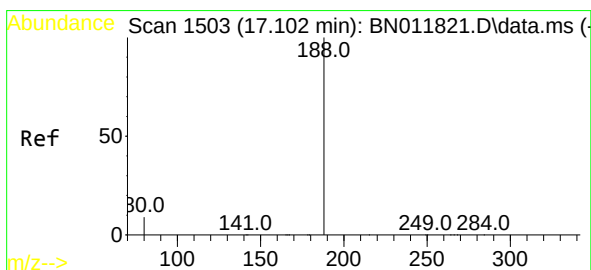
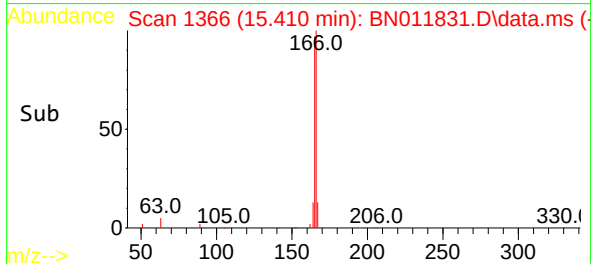
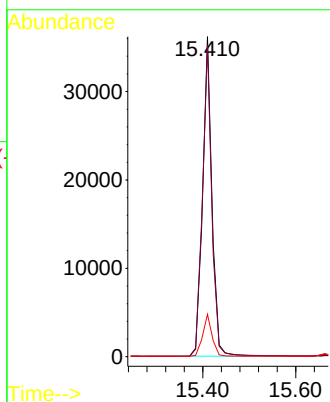
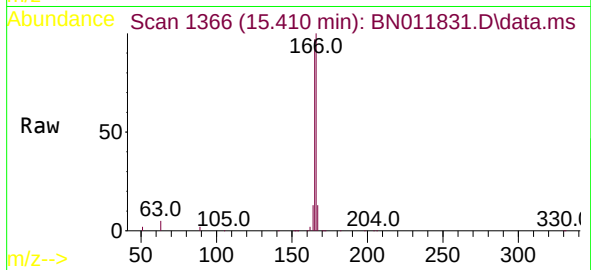




#18
Fluorene
Concen: 3.22 ng
RT: 15.410 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

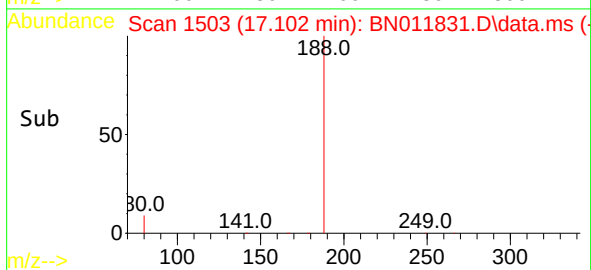
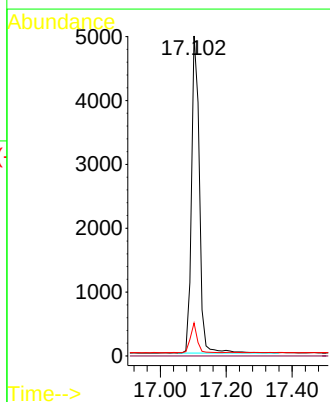
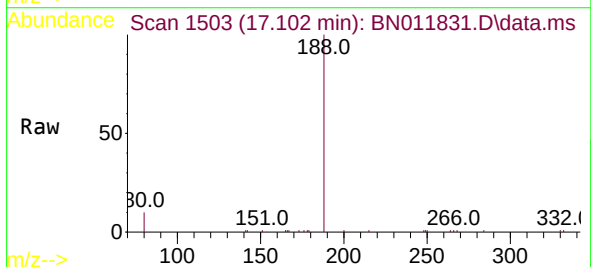
Instrument :
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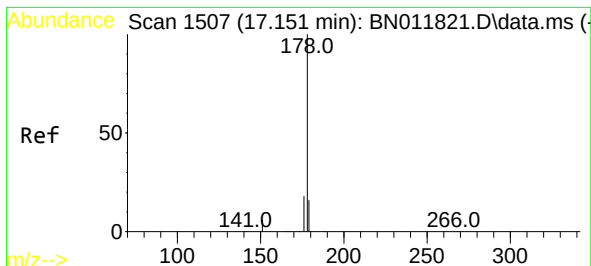
Tgt Ion:166 Resp: 50671
Ion Ratio Lower Upper
166 100
165 98.0 78.8 118.2
167 13.2 11.2 16.8



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.102 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:188 Resp: 8171
Ion Ratio Lower Upper
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94 0.0 0.0 0.0
80 10.3 7.7 11.5

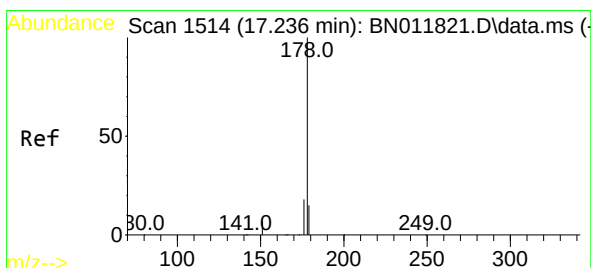
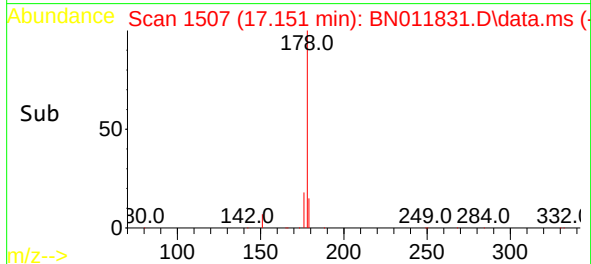
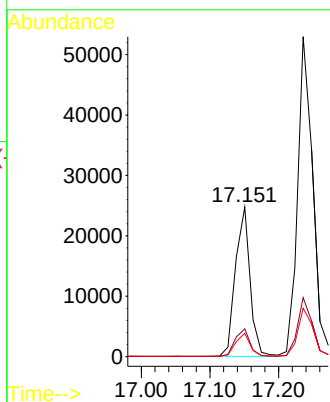
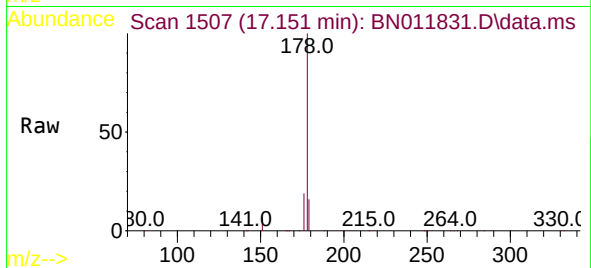




#25
Phenanthrene
Concen: 1.41 ng
RT: 17.151 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

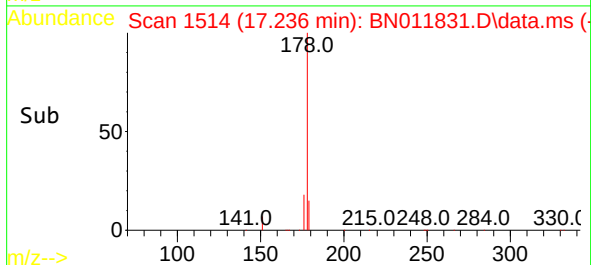
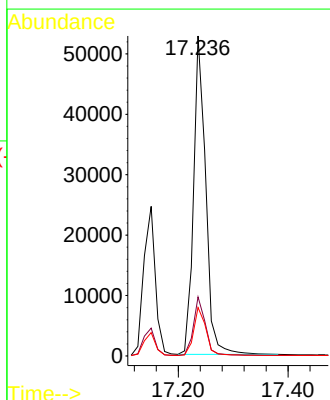
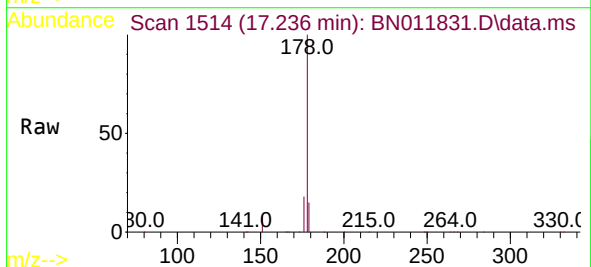
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

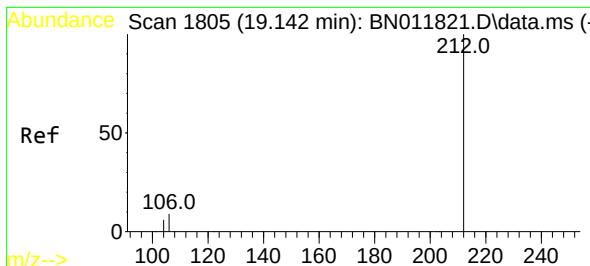
Tgt Ion:178 Resp: 36565
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.3 12.3 18.5



#26
Anthracene
Concen: 3.61 ng
RT: 17.236 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:178 Resp: 81126
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 15.3 12.4 18.6

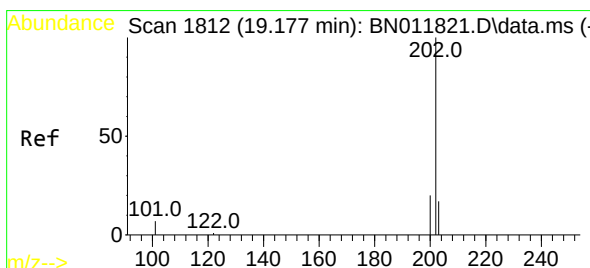
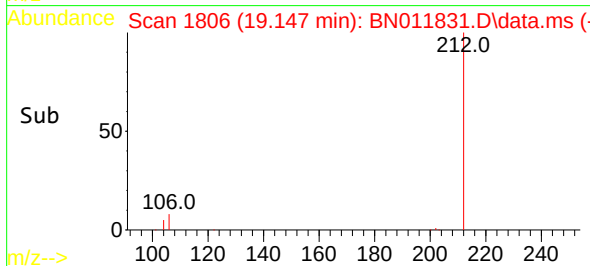
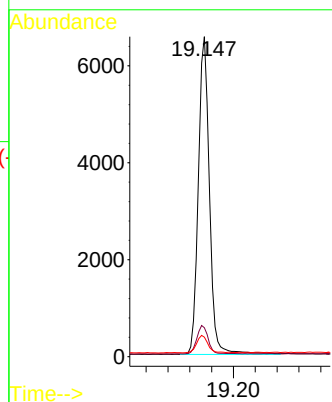
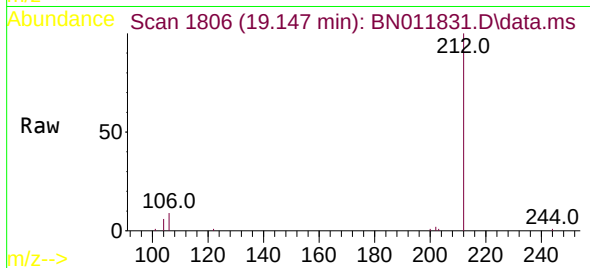




#27
Fluoranthene-d10
Concen: 0.36 ng
RT: 19.147 min Scan# 1806
Delta R.T. 0.005 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

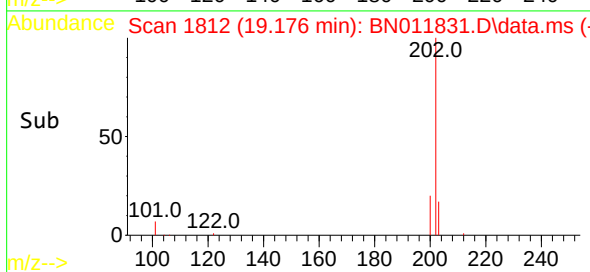
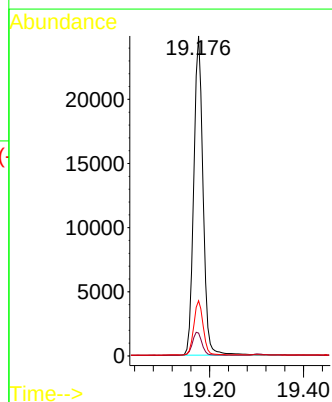
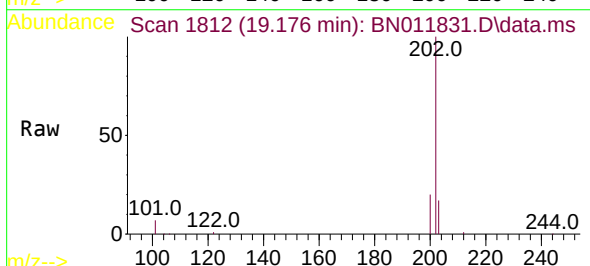
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

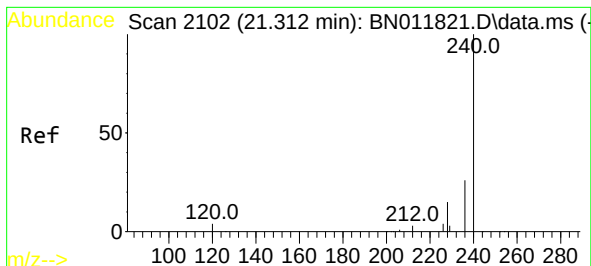
Tgt Ion:212 Resp: 9272
Ion Ratio Lower Upper
212 100
106 9.2 6.4 9.6
104 5.5 3.9 5.9



#28
Fluoranthene
Concen: 1.13 ng
RT: 19.176 min Scan# 1812
Delta R.T. 0.005 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:202 Resp: 34266
Ion Ratio Lower Upper
202 100
101 7.4 5.4 8.2
203 17.0 13.8 20.6

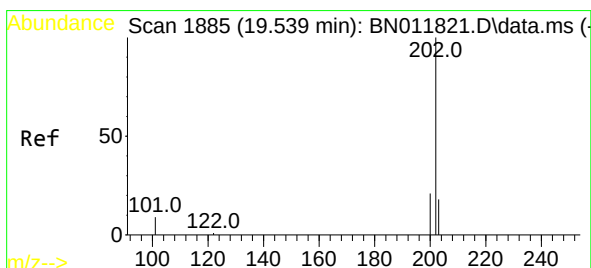
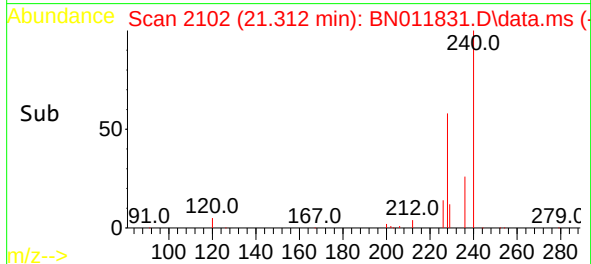
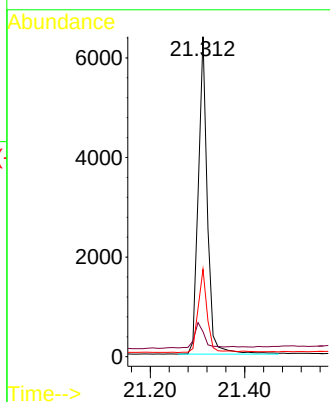
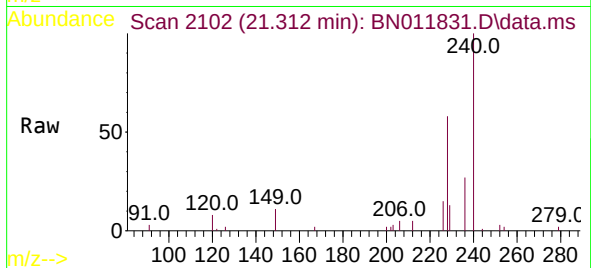




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.312 min Scan# 2102
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

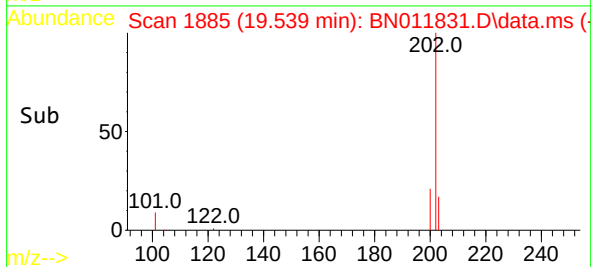
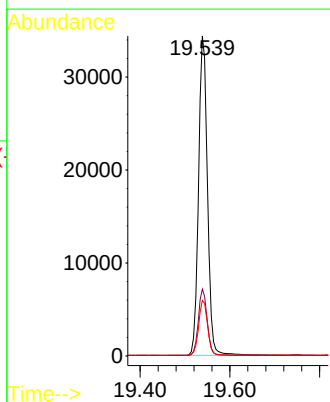
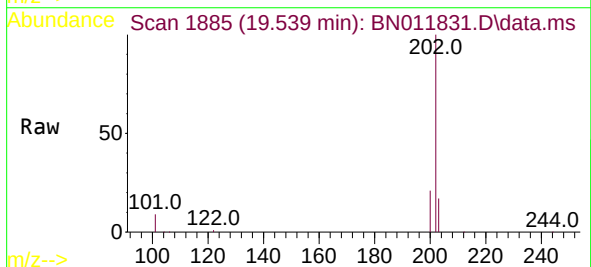
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

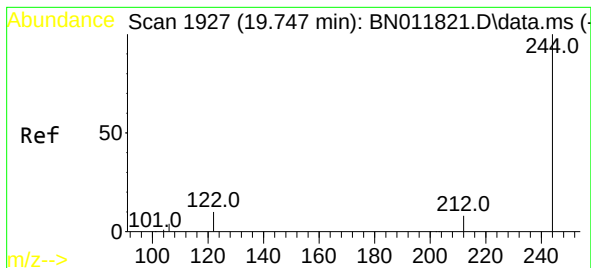
Tgt Ion:240 Resp: 8515
Ion Ratio Lower Upper
240 100
120 7.8 3.5 5.3#
236 27.3 20.5 30.7



#30
Pyrene
Concen: 1.60 ng
RT: 19.539 min Scan# 1885
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:202 Resp: 47491
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 17.3 13.9 20.9

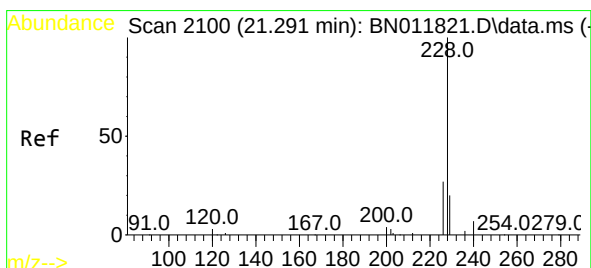
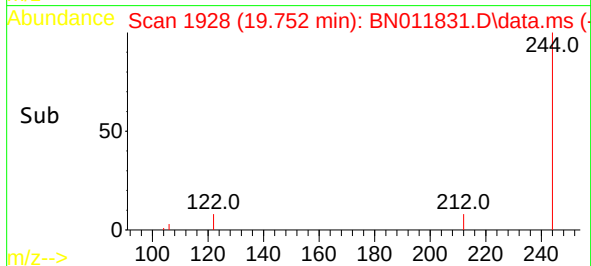
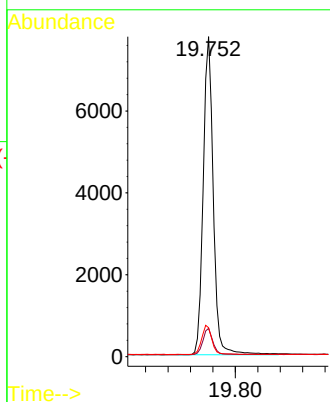
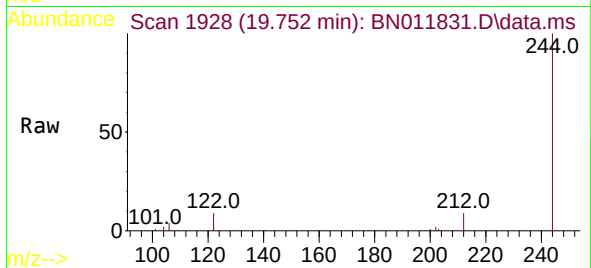




#31
Terphenyl-d14
Concen: 0.50 ng
RT: 19.752 min Scan# 1928
Delta R.T. 0.005 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

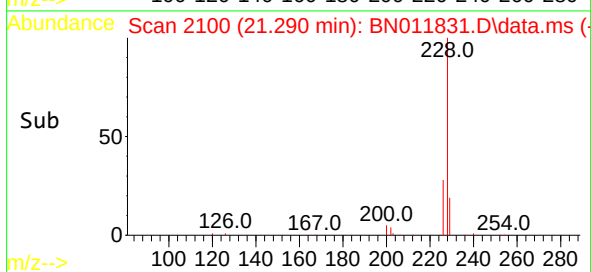
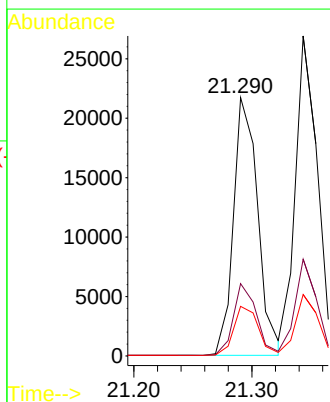
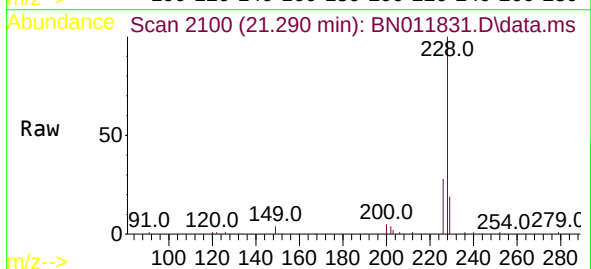
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

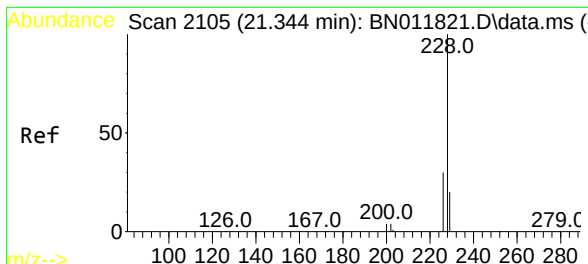
Tgt Ion:244 Resp: 9692
Ion Ratio Lower Upper
244 100
212 8.9 7.3 10.9
122 9.0 7.8 11.6



#32
Benzo(a)anthracene
Concen: 1.08 ng
RT: 21.290 min Scan# 2100
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:228 Resp: 31109
Ion Ratio Lower Upper
228 100
226 28.0 21.0 31.4
229 19.2 16.0 24.0

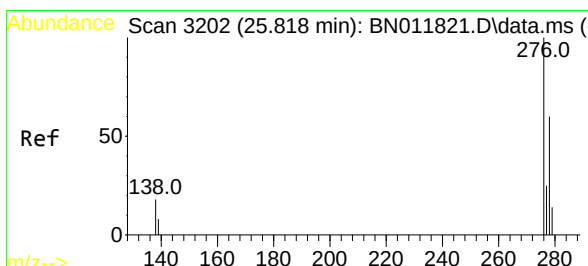
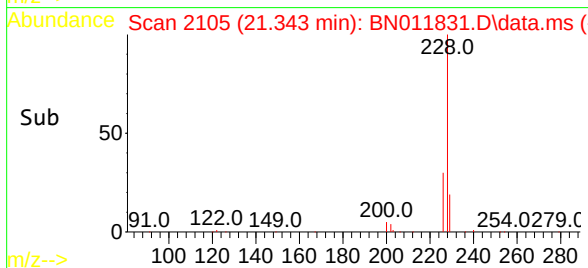
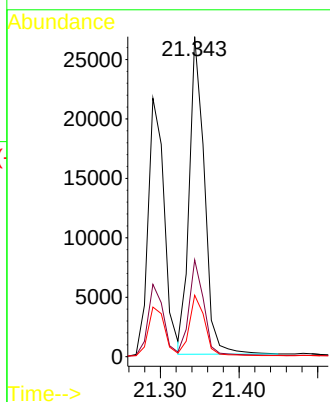
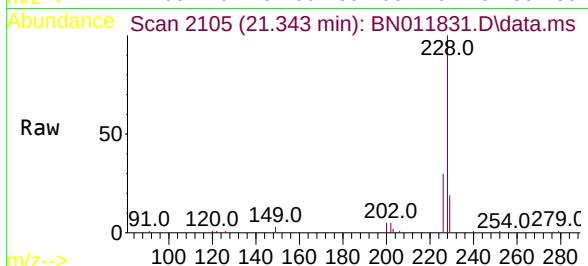




#33
Chrysene
Concen: 1.20 ng
RT: 21.343 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

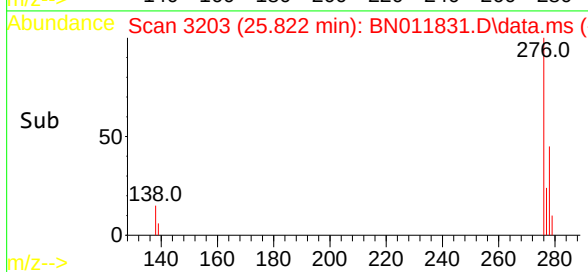
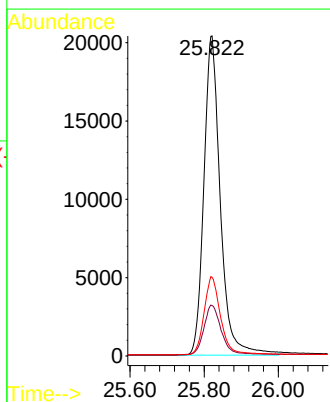
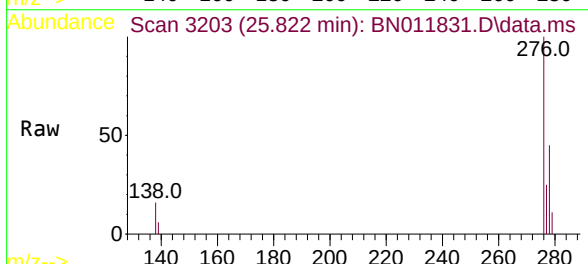
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

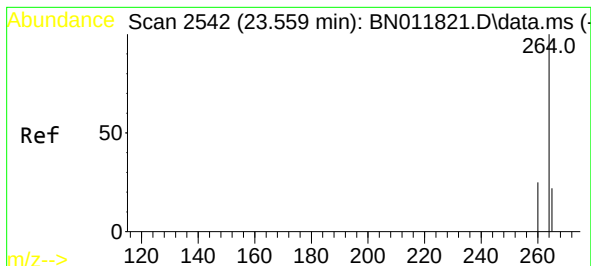
Tgt Ion:	228	Resp:	35547
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.3	34.9
229	19.2	15.8	23.8



#35
Indeno(1,2,3-cd)pyrene
Concen: 1.70 ng
RT: 25.822 min Scan# 3203
Delta R.T. 0.007 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:	276	Resp:	62915
Ion Ratio	Lower	Upper	
276	100		
138	16.2	13.0	19.4
277	24.7	20.0	30.0





#36

Perylene-d12

Concen: 0.40 ng

RT: 23.566 min Scan# 2544

Delta R.T. 0.007 min

Lab File: BN011831.D

Acq: 18 Sep 2020 10:53

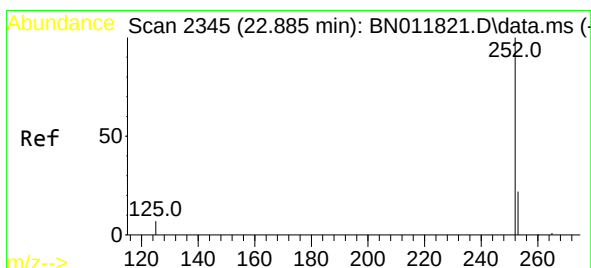
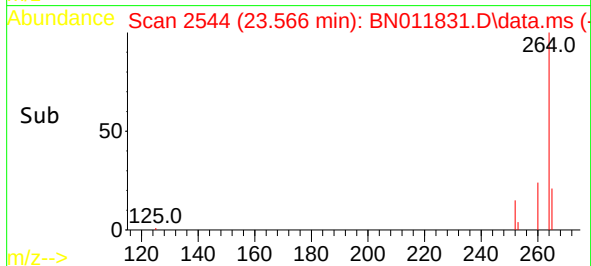
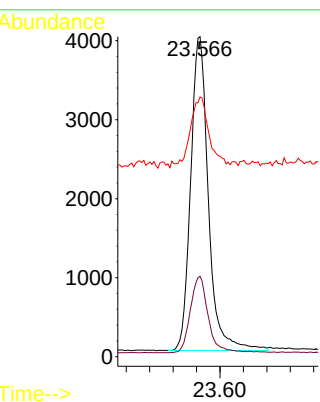
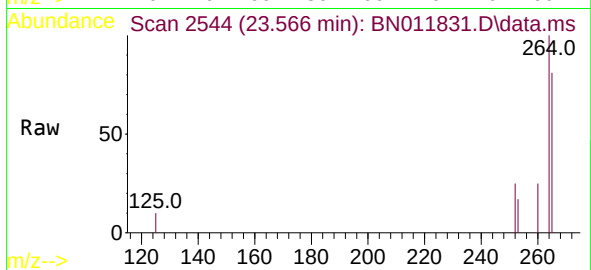
Tgt Ion:264 Resp: 8352

Ion Ratio Lower Upper

264 100

260 25.1 19.6 29.4

265 81.2 38.6 58.0#



#37

Benzo(b)fluoranthene

Concen: 2.29 ng

RT: 22.888 min Scan# 2346

Delta R.T. 0.003 min

Lab File: BN011831.D

Acq: 18 Sep 2020 10:53

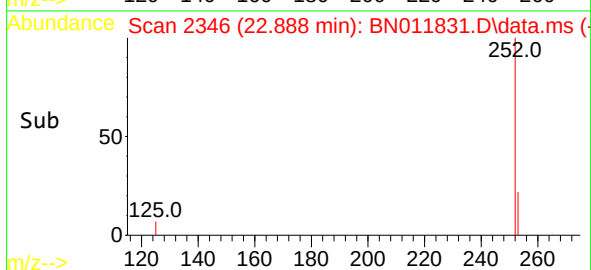
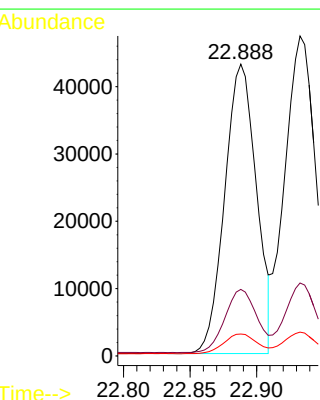
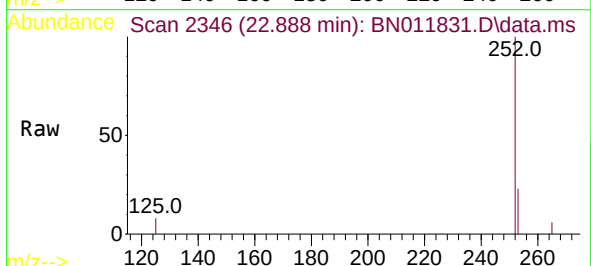
Tgt Ion:252 Resp: 71213

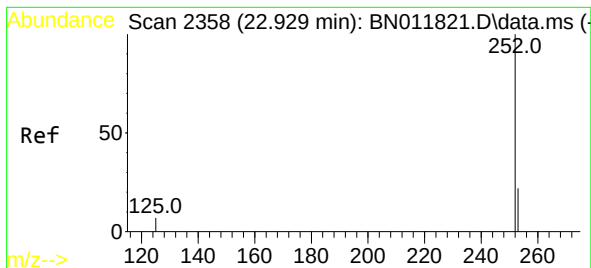
Ion Ratio Lower Upper

252 100

253 22.8 19.1 28.7

125 7.5 6.2 9.2





#38

Benzo(k)fluoranthene

Concen: 2.51 ng

RT: 22.933 min Scan# 2359

Delta R.T. 0.007 min

Lab File: BN011831.D

Acq: 18 Sep 2020 10:53

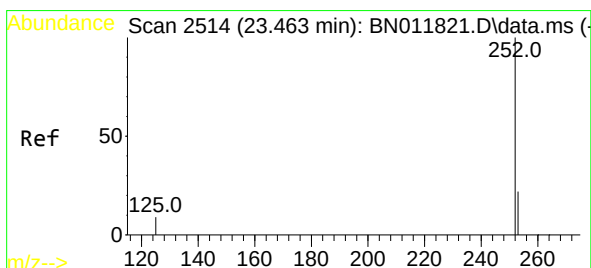
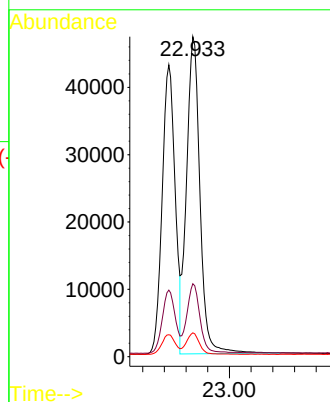
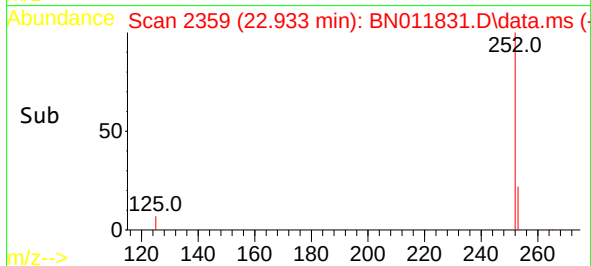
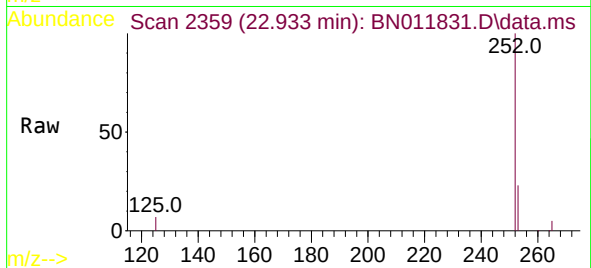
Tgt Ion:252 Resp: 80917

Ion Ratio Lower Upper

252 100

253 22.8 19.3 28.9

125 7.4 6.0 9.0



#39

Benzo(a)pyrene

Concen: 4.26 ng

RT: 23.463 min Scan# 2514

Delta R.T. 0.003 min

Lab File: BN011831.D

Acq: 18 Sep 2020 10:53

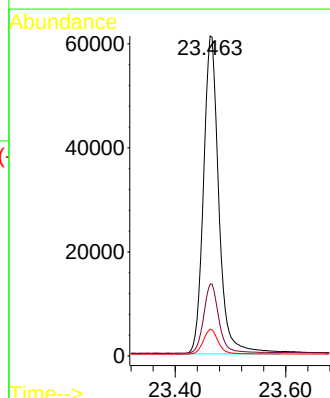
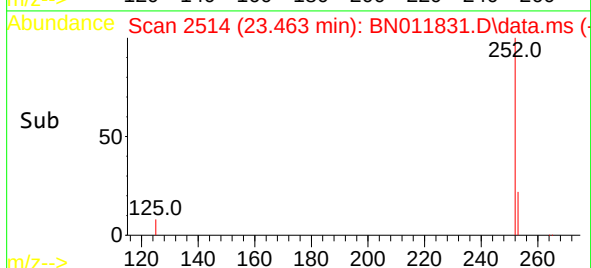
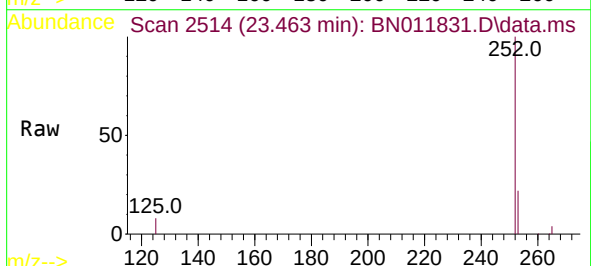
Tgt Ion:252 Resp: 118107

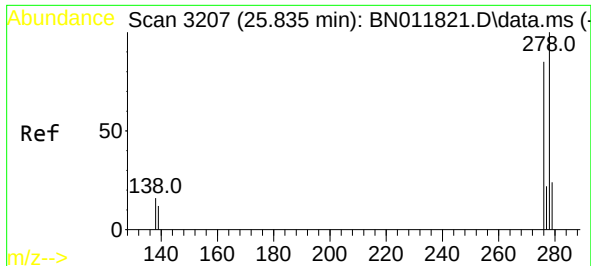
Ion Ratio Lower Upper

252 100

253 22.5 19.8 29.6

125 8.4 7.3 10.9

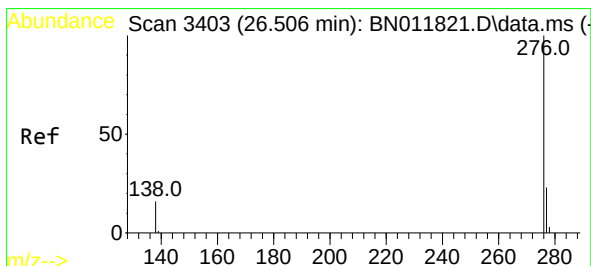
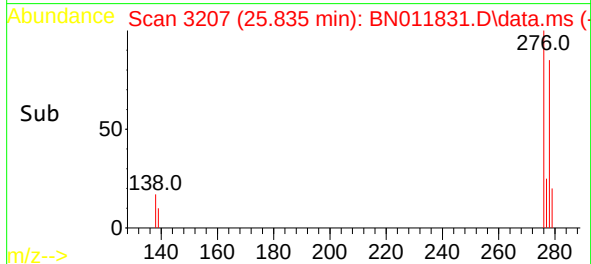
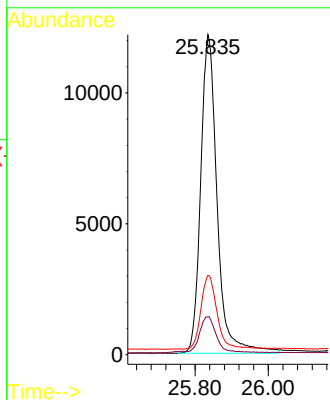
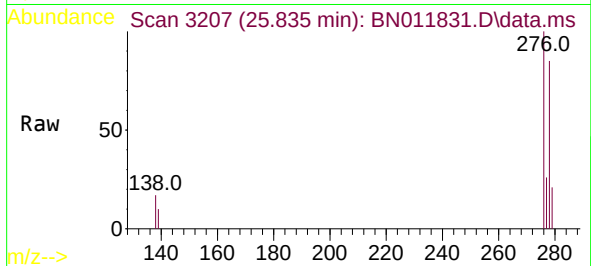




#40
Dibenzo(a,h)anthracene
Concen: 1.24 ng
RT: 25.835 min Scan# 3207
Delta R.T. 0.003 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:278 Resp: 37944
Ion Ratio Lower Upper
278 100
139 11.9 8.6 13.0
279 24.8 19.8 29.8



#41
Benzo(g,h,i)perylene
Concen: 4.05 ng
RT: 26.510 min Scan# 3404
Delta R.T. 0.003 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:276 Resp: 132092
Ion Ratio Lower Upper
276 100
277 23.9 19.4 29.0
138 14.7 11.3 16.9

