

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032822\
 Data File : BN019196.D
 Acq On : 28 Mar 2022 15:22
 Operator : CG/JU
 Sample : N1870-21
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

Quant Time: Mar 28 15:51:42 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 19:03:12 2022
 Response via : Initial Calibration

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

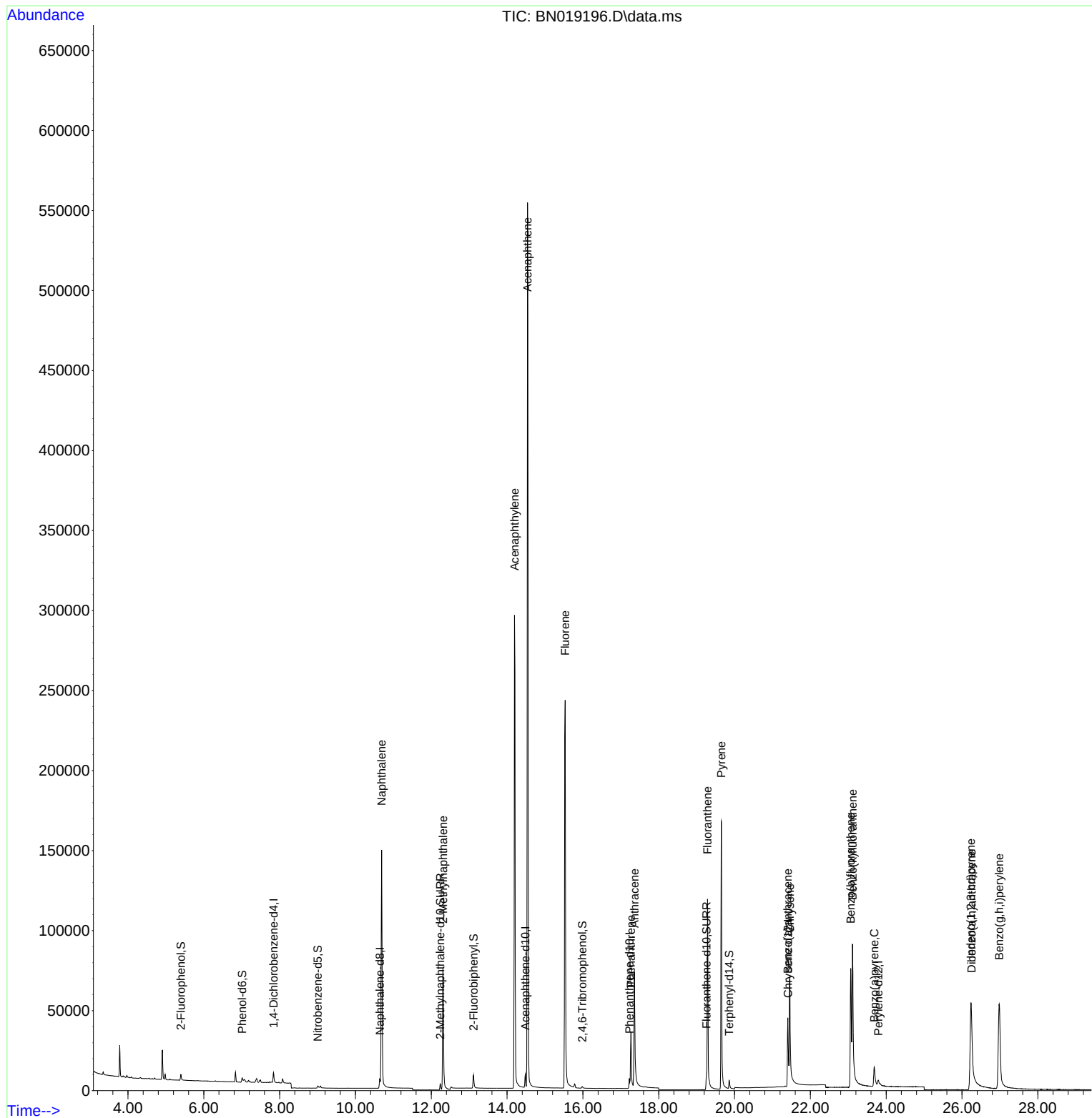
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	2959	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	8492	0.400	ng	0.00
13) Acenaphthene-d10	14.485	164	4915	0.400	ng	0.00
19) Phenanthrene-d10	17.226	188	9935	0.400	ng	0.00
29) Chrysene-d12	21.413	240	7718	0.400	ng	# 0.00
35) Perylene-d12	23.793	264	6433	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	3448	0.493	ng	0.00
5) Phenol-d6	7.009	99	2879	0.360	ng	0.00
8) Nitrobenzene-d5	9.003	82	2201	0.334	ng	0.01
11) 2-Methylnaphthalene-d10	12.238	152	5964	0.439	ng	0.00
14) 2,4,6-Tribromophenol	15.985	330	815	0.341	ng	0.01
15) 2-Fluorobiphenyl	13.116	172	8656	0.419	ng	0.01
27) Fluoranthene-d10	19.257	212	13323	0.458	ng	0.00
31) Terphenyl-d14	19.860	244	9108	0.529	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.690	128	203744	8.519	ng	99
12) 2-Methylnaphthalene	12.310	142	62429	3.972	ng	100
16) Acenaphthylene	14.196	152	349888	15.593	ng	100
17) Acenaphthene	14.538	154	294488	18.528	ng	99
18) Fluorene	15.532	166	180551	8.927	ng	99
25) Phenanthrene	17.267	178	41318	1.296	ng	100
26) Anthracene	17.359	178	95135	3.600	ng	100
28) Fluoranthene	19.287	202	126961	3.525	ng	99
30) Pyrene	19.653	202	173256	4.751	ng	99
32) Benzo(a)anthracene	21.404	228	43193	1.743	ng	100
33) Chrysene	21.458	228	81244	2.556	ng	100
36) Indeno(1,2,3-cd)pyrene	26.235	276	116754	4.540	ng	94
37) Benzo(b)fluoranthene	23.065	252	103304	4.229	ng	# 95
38) Benzo(k)fluoranthene	23.112	252	149467	4.821	ng	96
39) Benzo(a)pyrene	23.685	252	26838	1.282	ng	97
40) Dibenzo(a,h)anthracene	26.252	278	42254	2.182	ng	98
41) Benzo(g,h,i)perylene	26.983	276	138976	5.250	ng	98

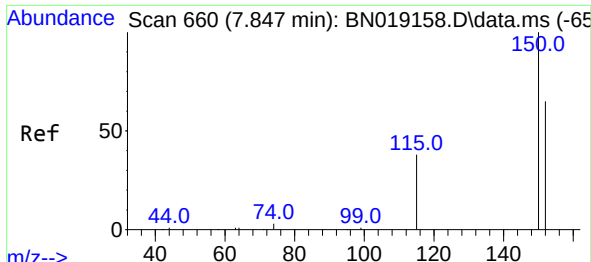
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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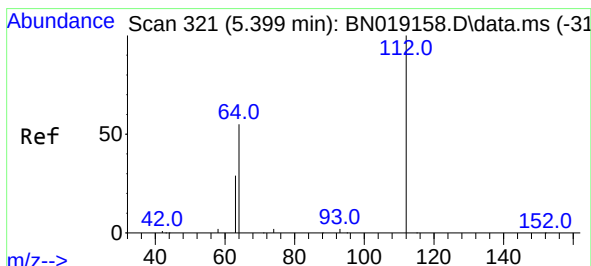
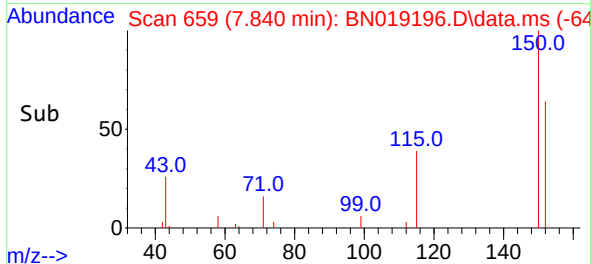
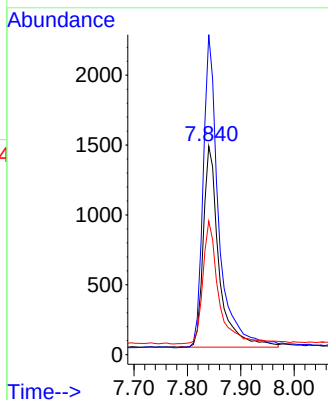
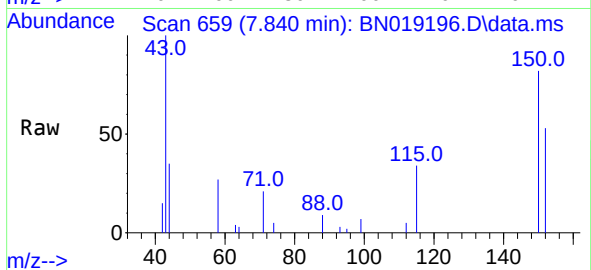




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

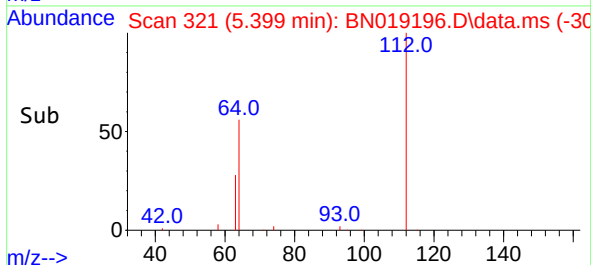
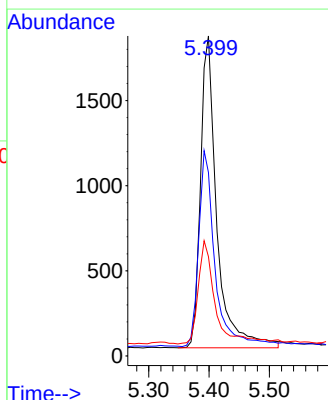
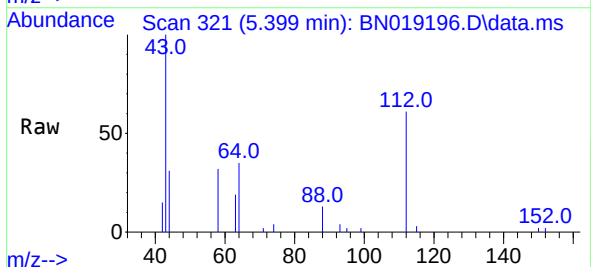
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

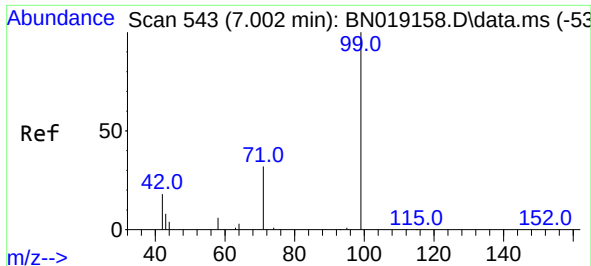
Tgt Ion:152 Resp: 2959
Ion Ratio Lower Upper
152 100
150 153.4 123.9 185.9
115 64.0 48.2 72.4



#4
2-Fluorophenol
Concen: 0.493 ng
RT: 5.399 min Scan# 321
Delta R.T. 0.000 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

Tgt Ion:112 Resp: 3448
Ion Ratio Lower Upper
112 100
64 63.2 47.8 71.8
63 34.5 25.7 38.5

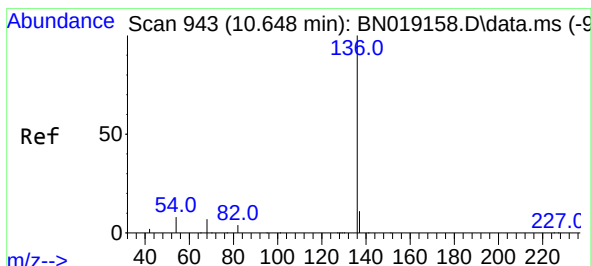
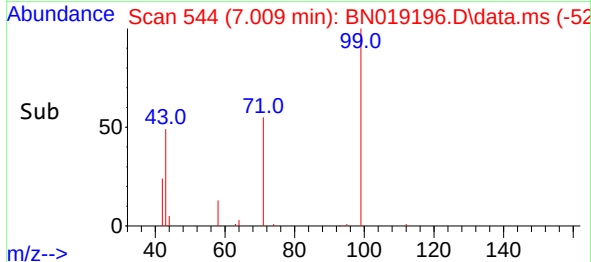
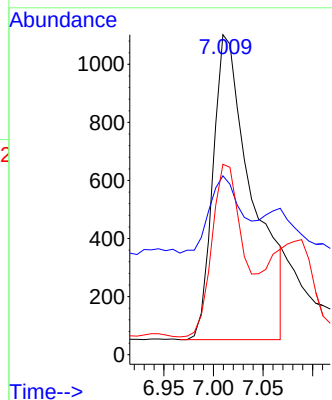
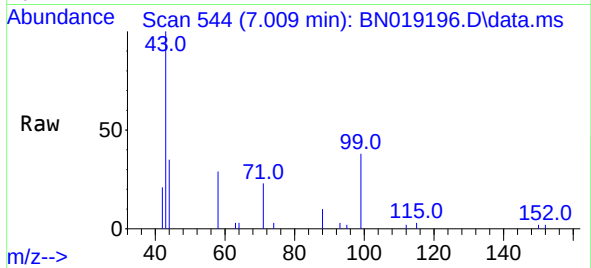




#5
Phenol-d6
Concen: 0.360 ng
RT: 7.009 min Scan# 543
Delta R.T. 0.007 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

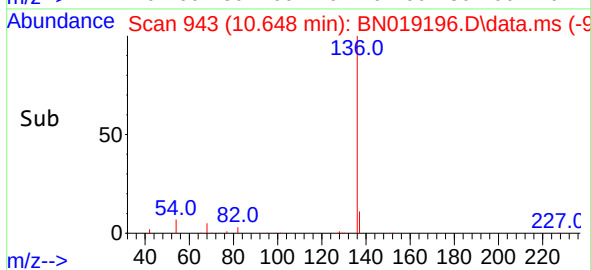
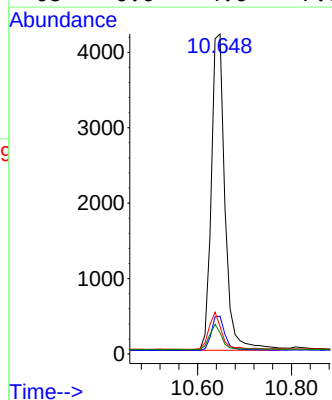
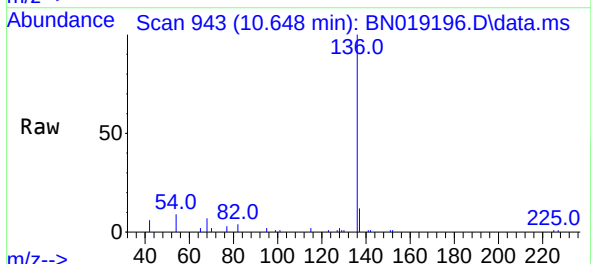
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

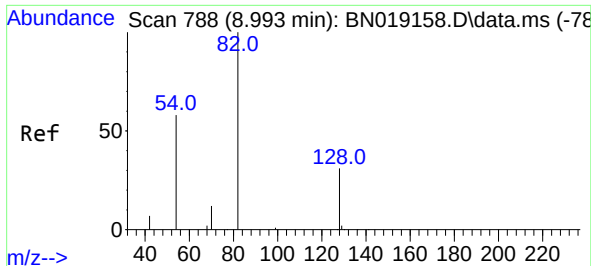
Tgt Ion: 99 Resp: 2879
Ion Ratio Lower Upper
99 100
42 20.2 16.2 24.4
71 46.5 27.7 41.5#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 943
Delta R.T. 0.000 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

Tgt Ion: 136 Resp: 8492
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.4
54 8.6 5.8 8.6
68 6.6 4.6 7.0

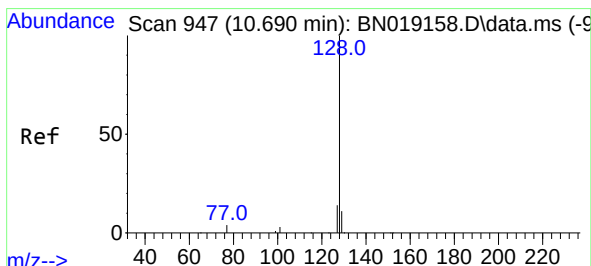
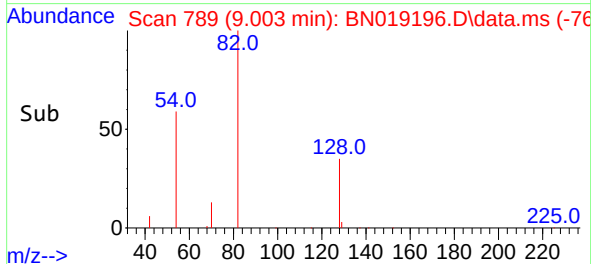
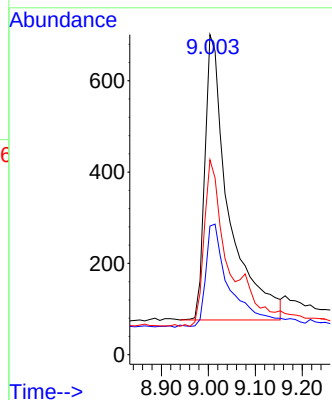
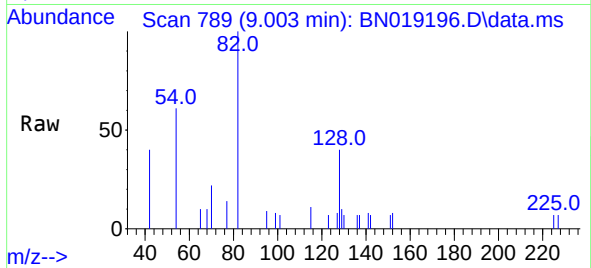




#8
Nitrobenzene-d5
Concen: 0.334 ng
RT: 9.003 min Scan# 788
Delta R.T. 0.011 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

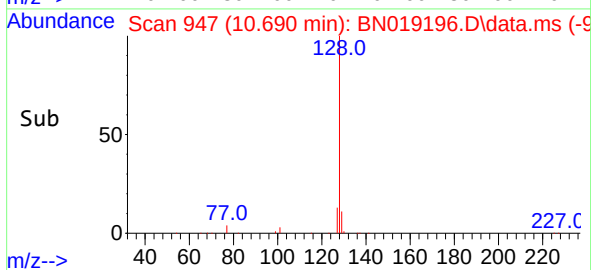
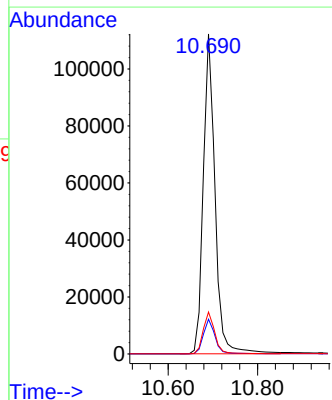
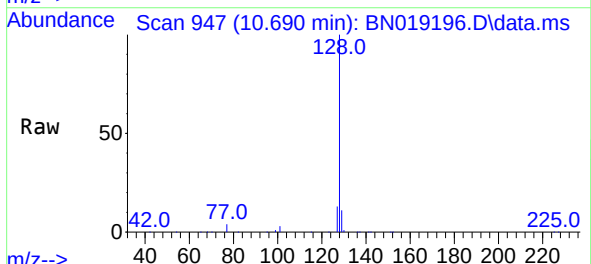
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

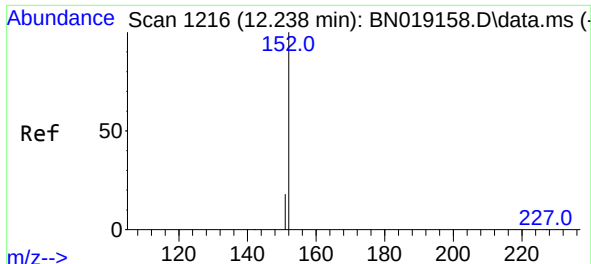
Tgt Ion: 82 Resp: 2201
Ion Ratio Lower Upper
82 100
128 40.2 33.0 49.6
54 60.9 42.5 63.7



#9
Naphthalene
Concen: 8.519 ng
RT: 10.690 min Scan# 947
Delta R.T. 0.000 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

Tgt Ion: 128 Resp: 203744
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 13.1 10.7 16.1

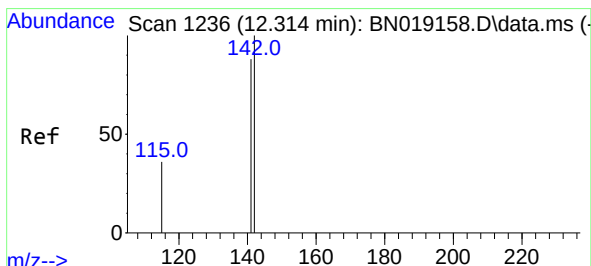
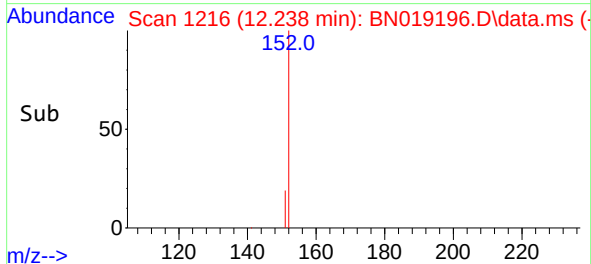
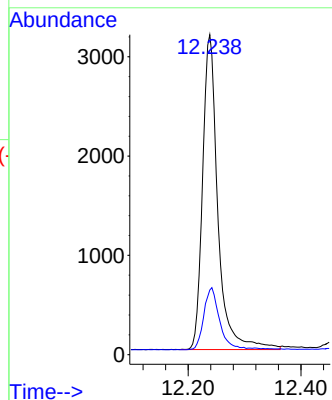
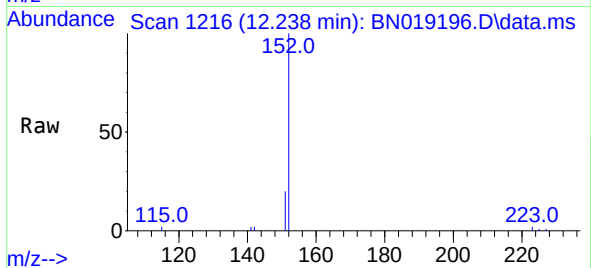




#11
2-Methylnaphthalene-d10
Concen: 0.439 ng
RT: 12.238 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

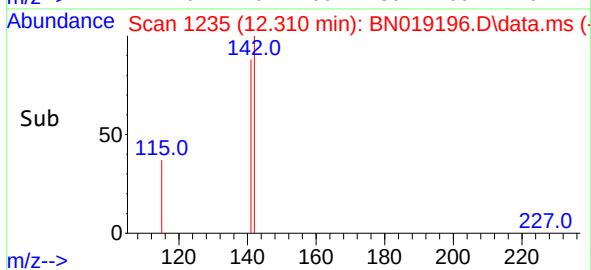
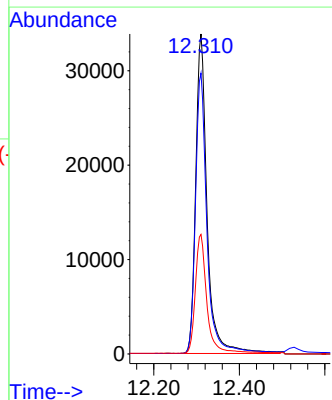
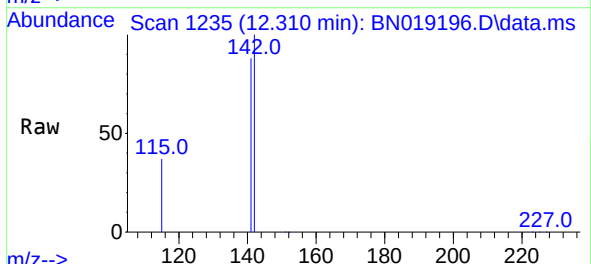
Instrument :
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ClientSampleId :
RR-PAH-WP

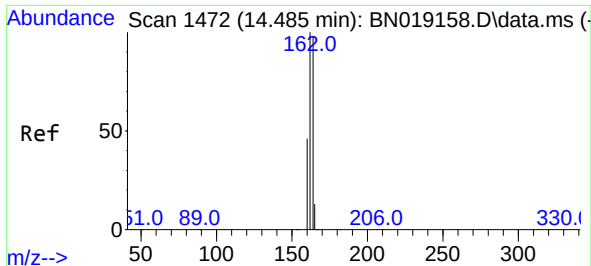
Tgt Ion:152 Resp: 5964
Ion Ratio Lower Upper
152 100
151 20.3 16.5 24.7



#12
2-Methylnaphthalene
Concen: 3.972 ng
RT: 12.310 min Scan# 1235
Delta R.T. -0.004 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

Tgt Ion:142 Resp: 62429
Ion Ratio Lower Upper
142 100
141 87.7 70.0 105.0
115 37.4 29.8 44.8

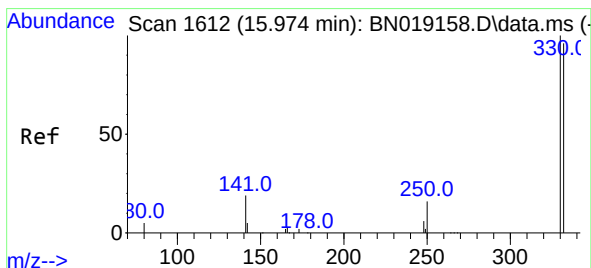
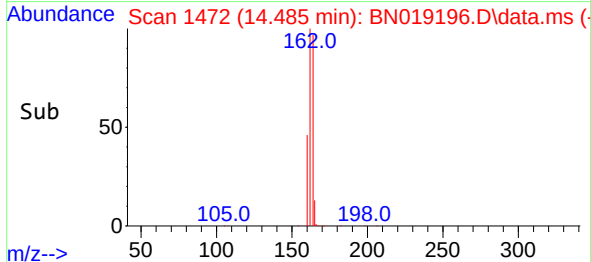
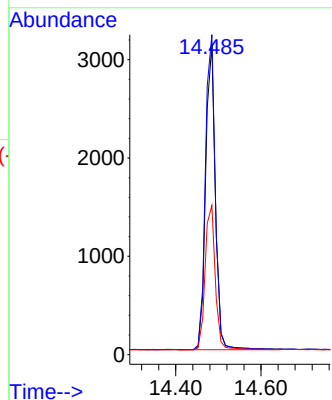
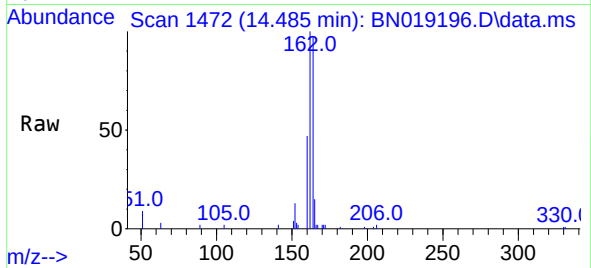




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.485 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

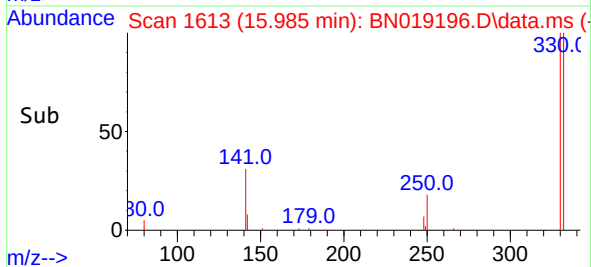
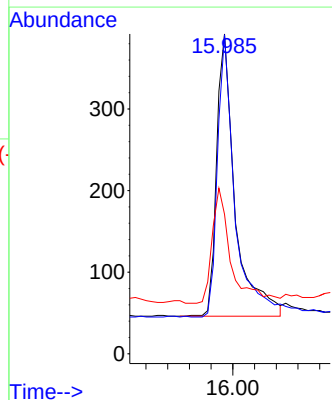
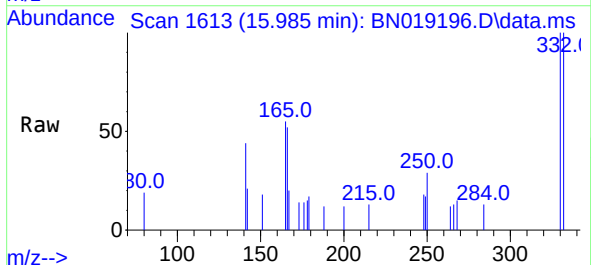
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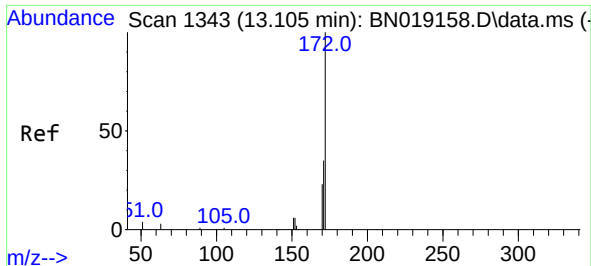
Tgt Ion:164 Resp: 4915
Ion Ratio Lower Upper
164 100
162 103.2 85.2 127.8
160 48.1 41.5 62.3



#14
2,4,6-Tribromophenol
Concen: 0.341 ng
RT: 15.985 min Scan# 1613
Delta R.T. 0.010 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

Tgt Ion:330 Resp: 815
Ion Ratio Lower Upper
330 100
332 93.7 76.8 115.2
141 41.8 32.2 48.2

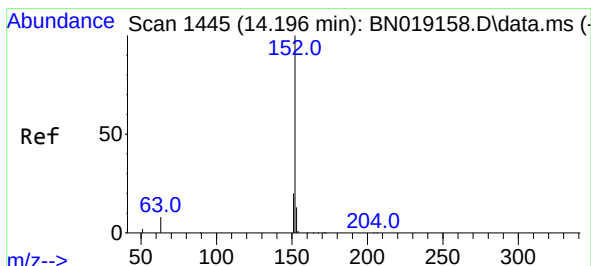
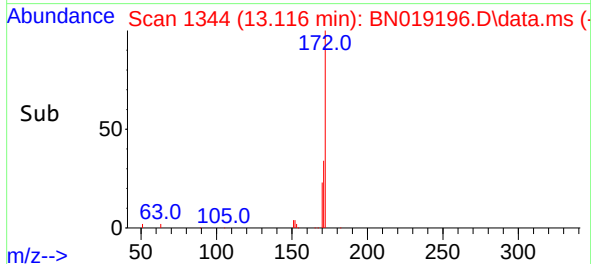
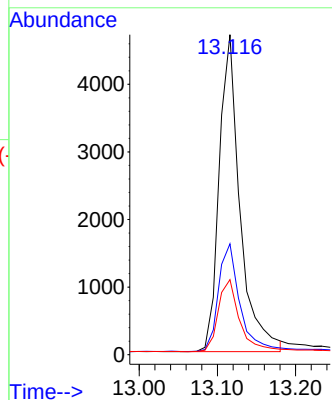
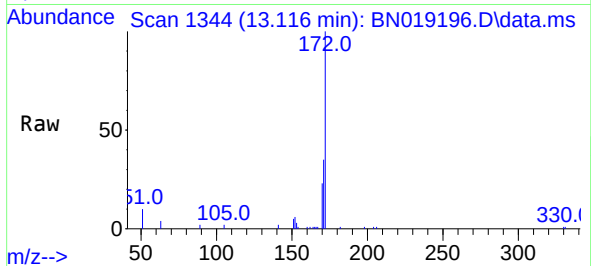




#15
2-Fluorobiphenyl
Concen: 0.419 ng
RT: 13.116 min Scan# 1343
Delta R.T. 0.011 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

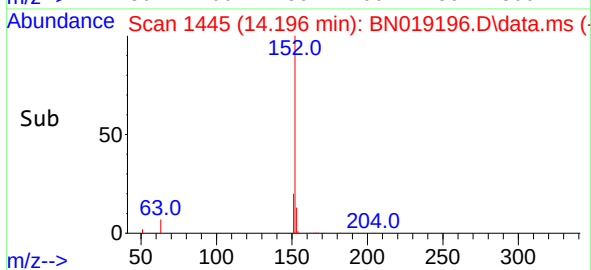
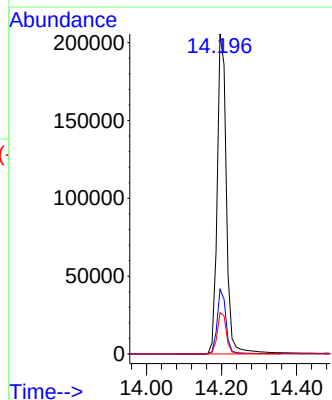
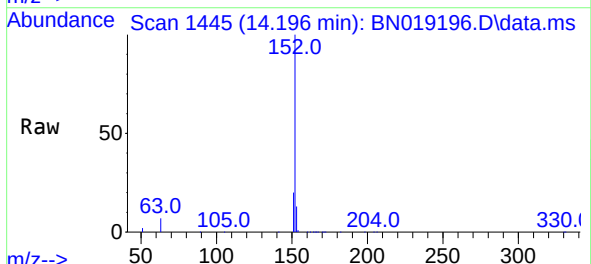
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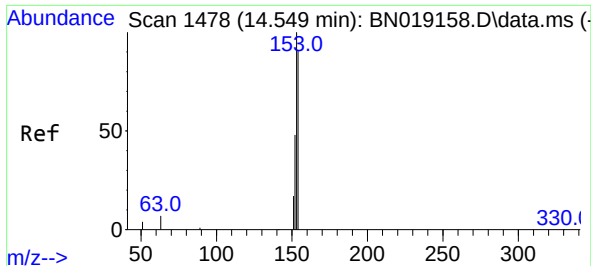
Tgt Ion:172 Resp: 8656
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 23.4 18.7 28.1



#16
Acenaphthylene
Concen: 15.593 ng
RT: 14.196 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

Tgt Ion:152 Resp: 349888
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.0 10.6 15.8

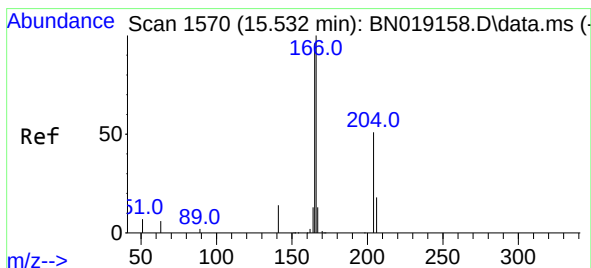
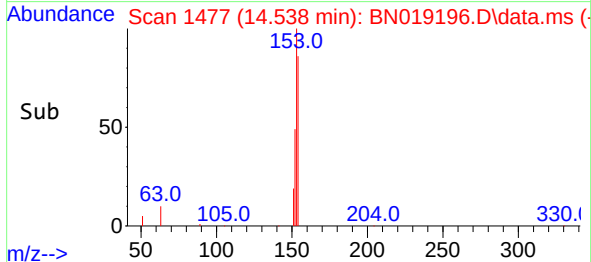
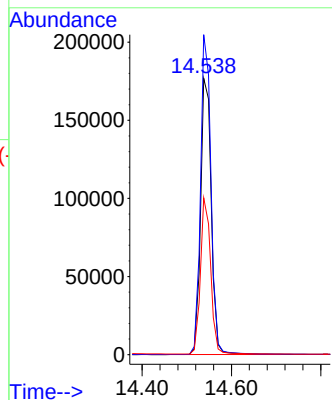
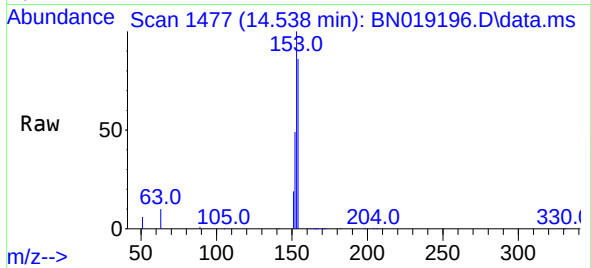




#17
Acenaphthene
Concen: 18.528 ng
RT: 14.538 min Scan# 1478
Delta R.T. -0.011 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

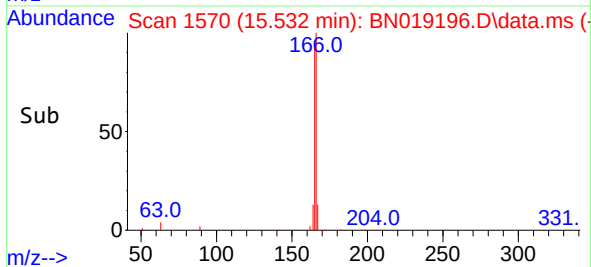
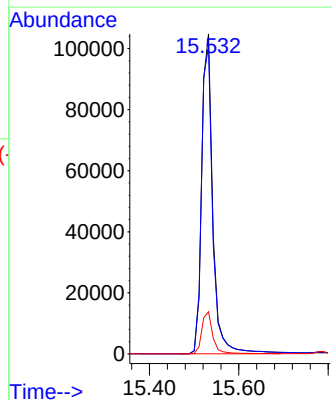
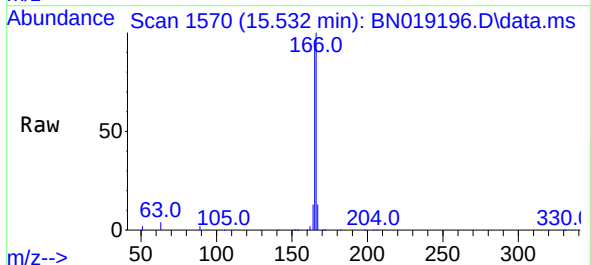
Instrument :
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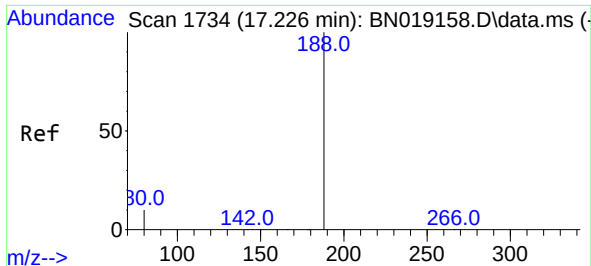
Tgt Ion:154 Resp: 294488
Ion Ratio Lower Upper
154 100
153 113.3 89.7 134.5
152 54.4 44.7 67.1



#18
Fluorene
Concen: 8.927 ng
RT: 15.532 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

Tgt Ion:166 Resp: 180551
Ion Ratio Lower Upper
166 100
165 97.9 79.2 118.8
167 13.1 10.7 16.1

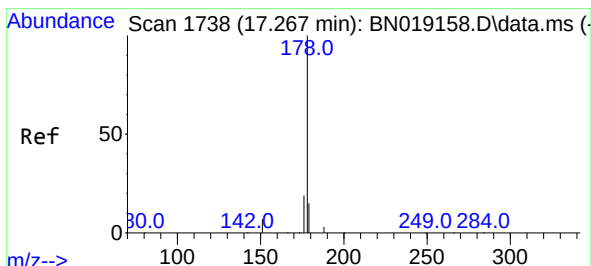
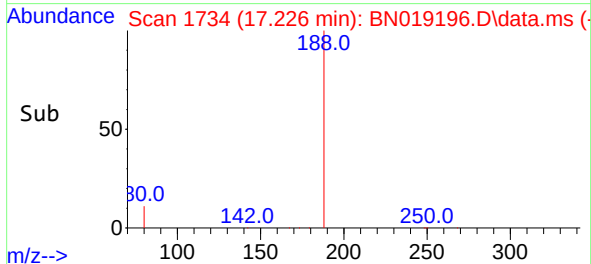
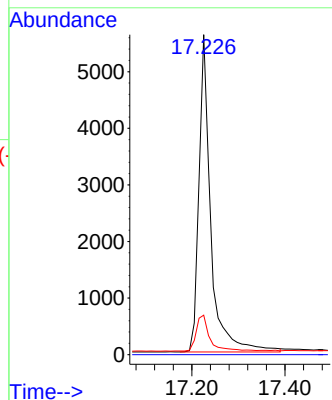
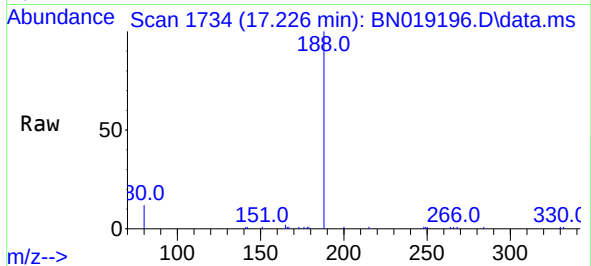




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.226 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

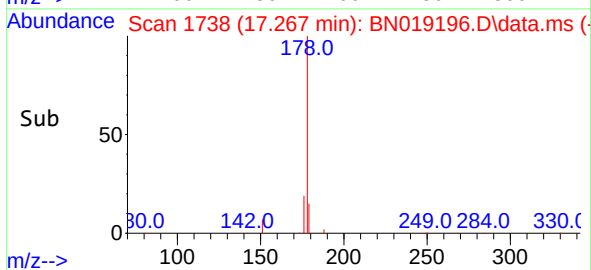
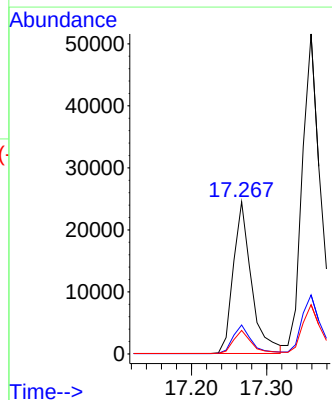
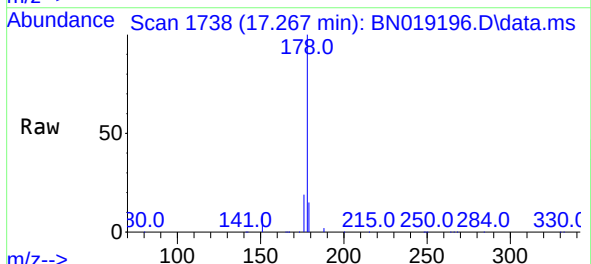
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

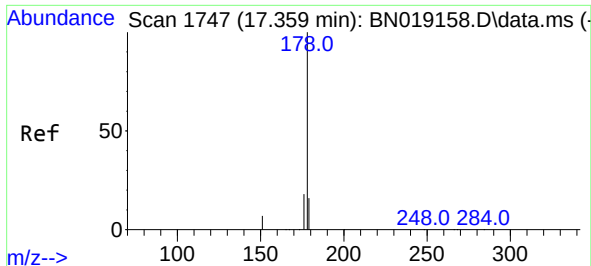
Tgt Ion:188 Resp: 9935
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.3 11.8 17.8



#25
Phenanthrene
Concen: 1.296 ng
RT: 17.267 min Scan# 1738
Delta R.T. 0.000 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

Tgt Ion:178 Resp: 41318
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.3 12.2 18.2

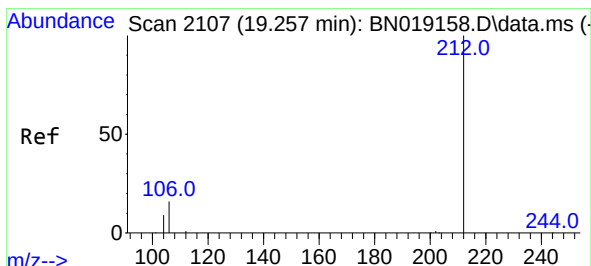
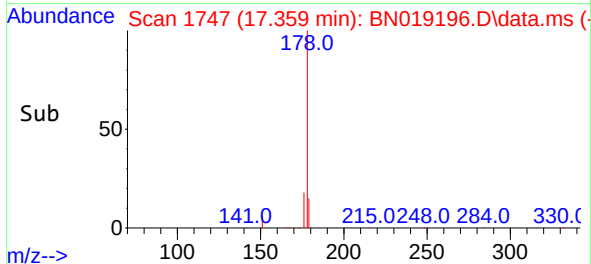
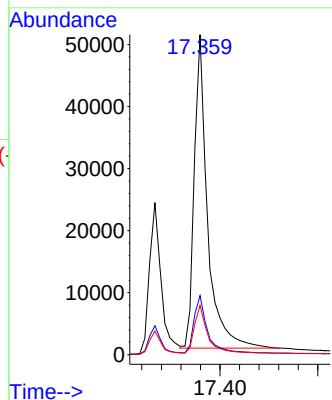
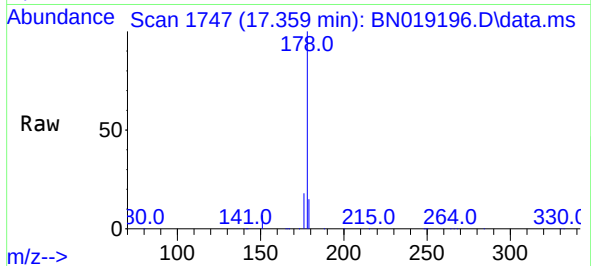




#26
 Anthracene
 Concen: 3.600 ng
 RT: 17.359 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019196.D
 Acq: 28 Mar 2022 15:22

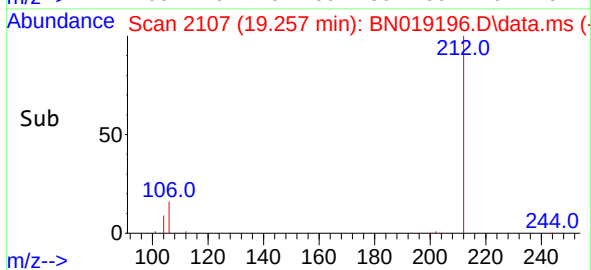
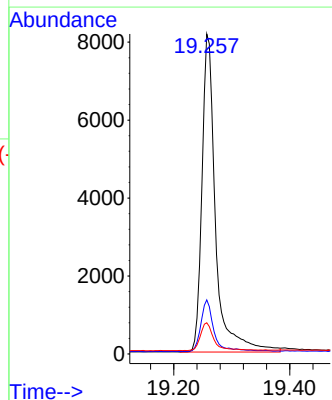
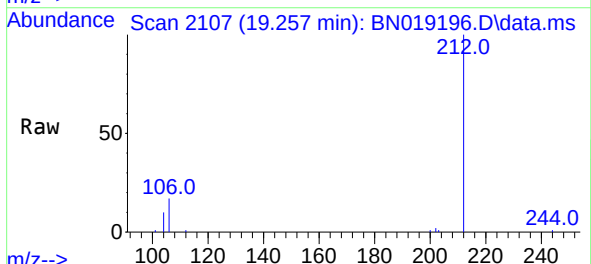
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

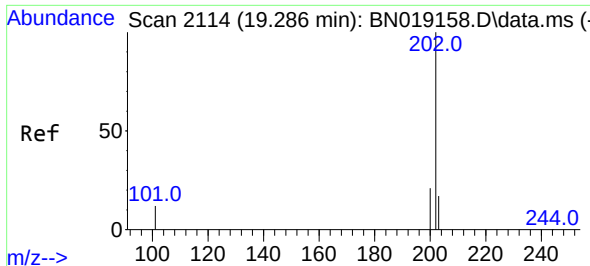
Tgt Ion:	178	Resp:	95135
Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.1	12.2	18.4



#27
 Fluoranthene-d10
 Concen: 0.458 ng
 RT: 19.257 min Scan# 2107
 Delta R.T. 0.000 min
 Lab File: BN019196.D
 Acq: 28 Mar 2022 15:22

Tgt Ion:	212	Resp:	13323
Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.7	19.1
104	8.8	7.1	10.7

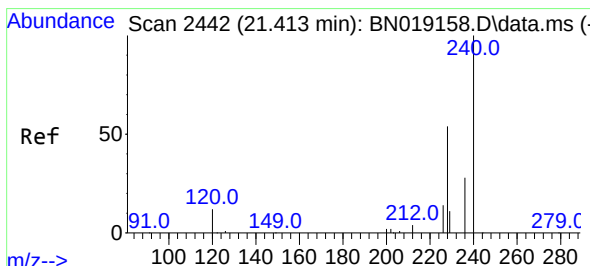
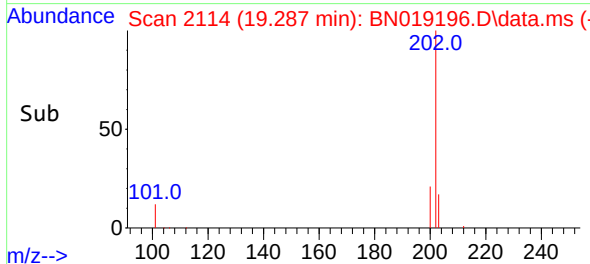
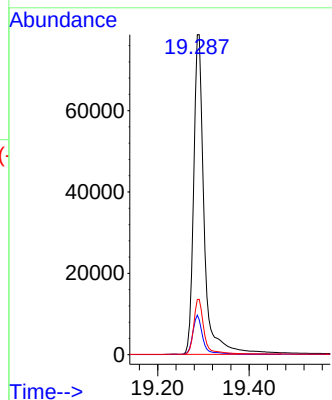
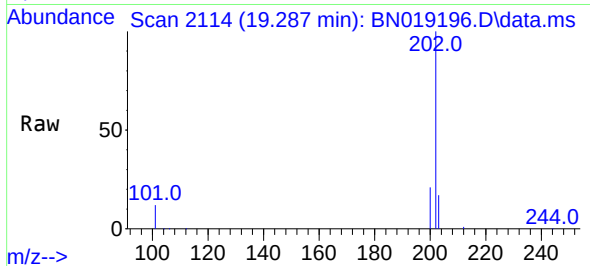




#28
Fluoranthene
Concen: 3.525 ng
RT: 19.287 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

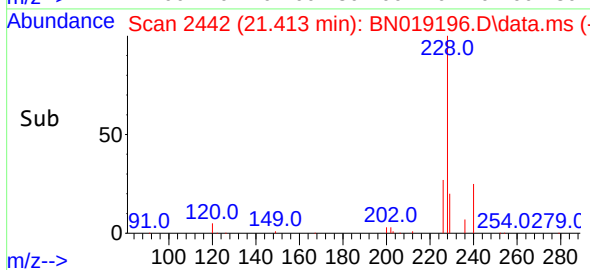
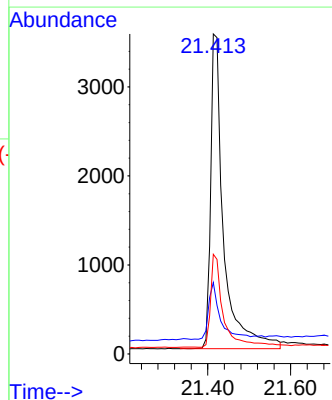
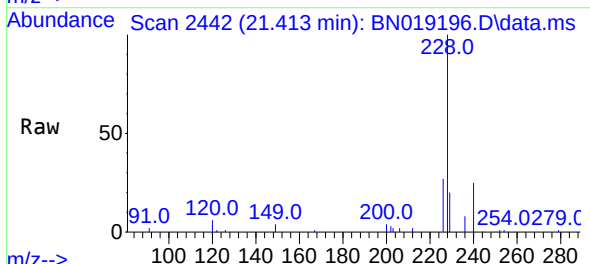
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

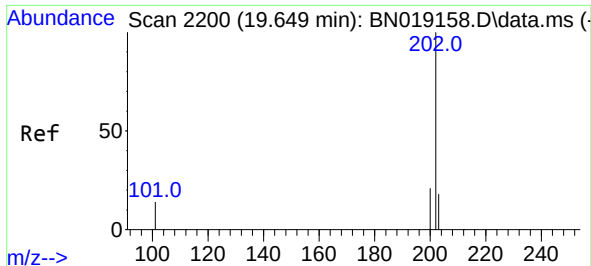
Tgt Ion:202 Resp: 126961
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
203 17.0 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.413 min Scan# 2442
Delta R.T. 0.000 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

Tgt Ion:240 Resp: 7718
Ion Ratio Lower Upper
240 100
120 22.3 8.5 12.7#
236 31.1 22.4 33.6

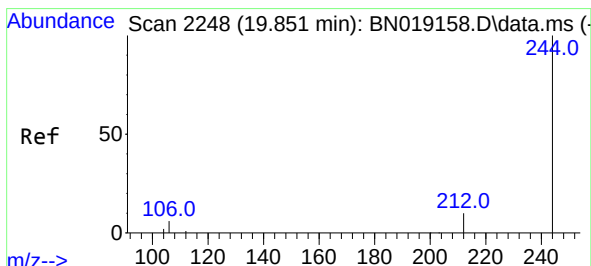
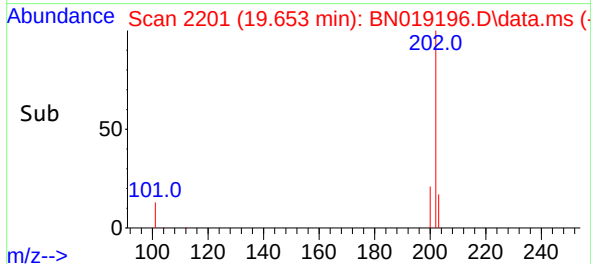
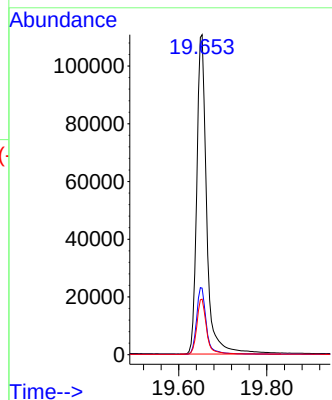
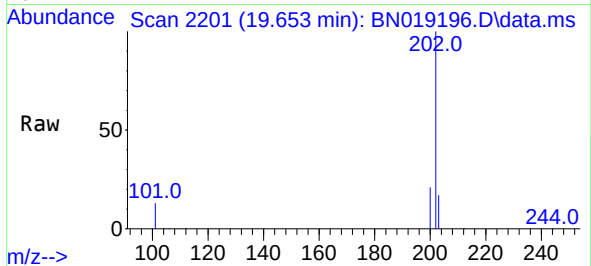




#30
 Pyrene
 Concen: 4.751 ng
 RT: 19.653 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BN019196.D
 Acq: 28 Mar 2022 15:22

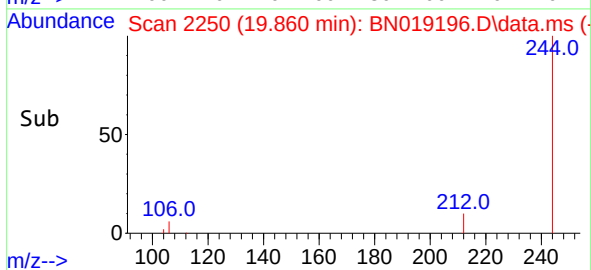
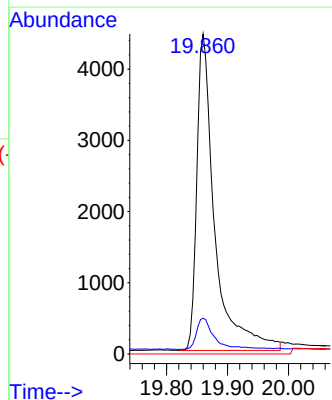
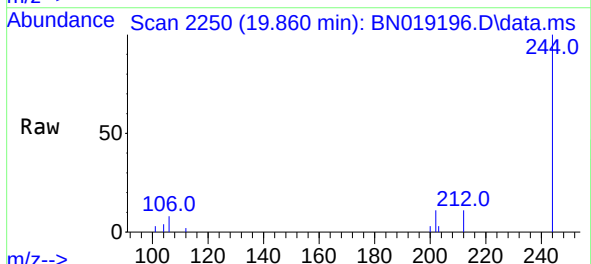
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

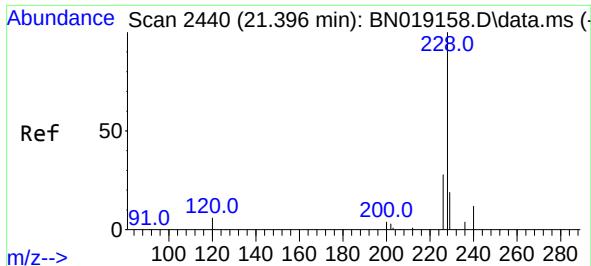
Tgt Ion:202 Resp: 173256
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.9 25.3
 203 17.3 14.2 21.2



#31
 Terphenyl-d14
 Concen: 0.529 ng
 RT: 19.860 min Scan# 2250
 Delta R.T. 0.008 min
 Lab File: BN019196.D
 Acq: 28 Mar 2022 15:22

Tgt Ion:244 Resp: 9108
 Ion Ratio Lower Upper
 244 100
 212 11.1 8.2 12.4
 122 0.0 0.0 0.0

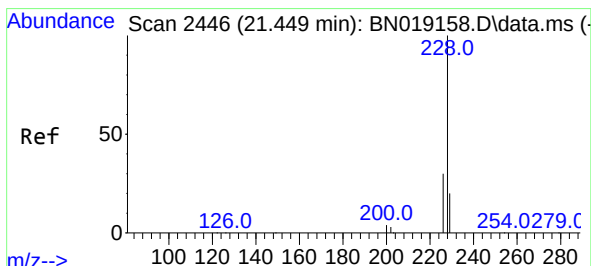
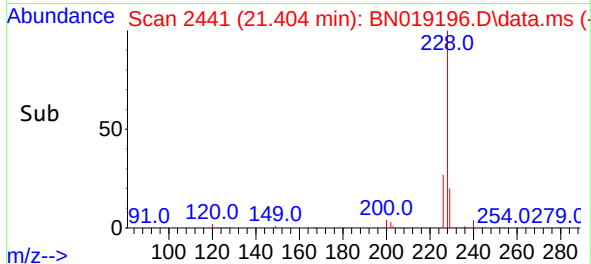
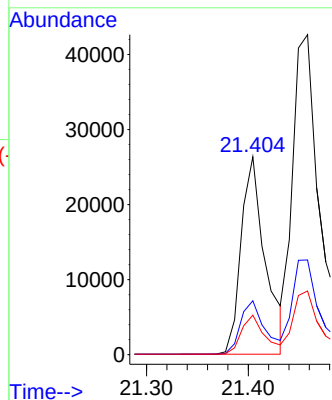
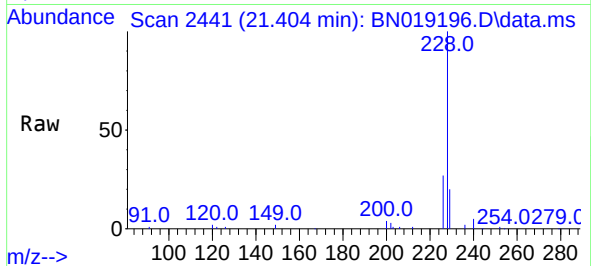




#32
Benzo(a)anthracene
Concen: 1.743 ng
RT: 21.404 min Scan# 2441
Delta R.T. 0.009 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

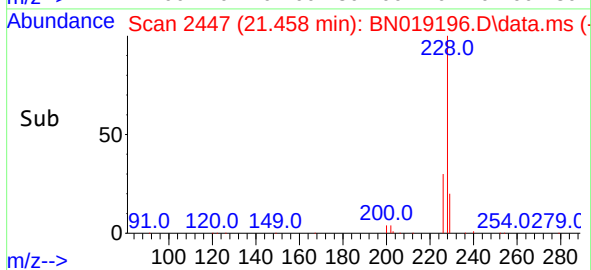
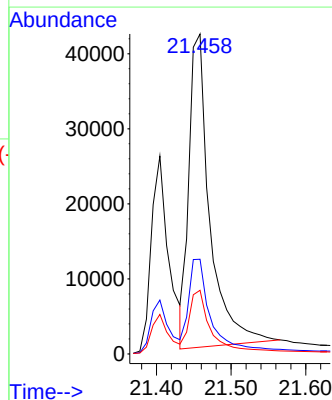
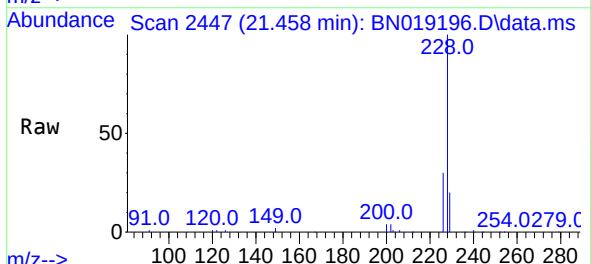
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

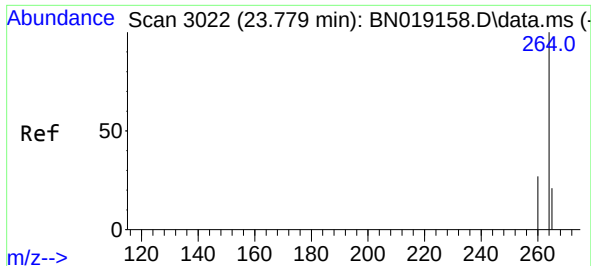
Tgt Ion:	228	Resp:	43193
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	20.0	16.0	24.0



#33
Chrysene
Concen: 2.556 ng
RT: 21.458 min Scan# 2447
Delta R.T. 0.009 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

Tgt Ion:	228	Resp:	81244
Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	19.9	15.9	23.9

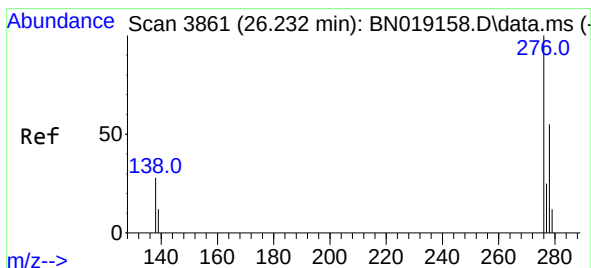
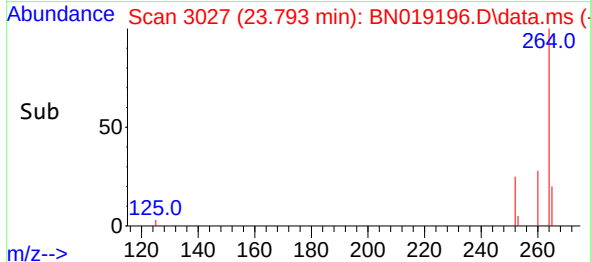
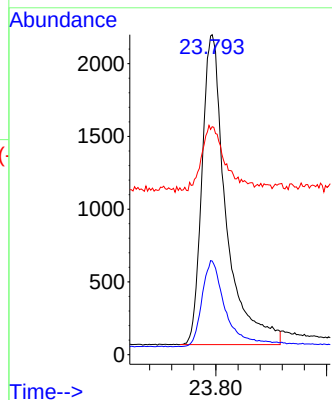
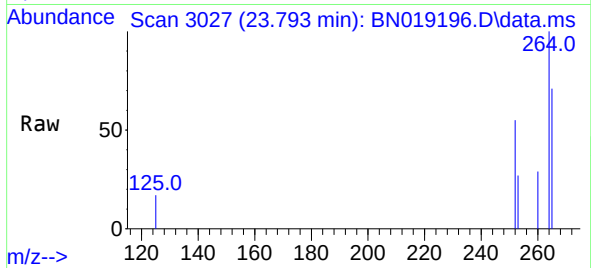




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.793 min Scan# 3022
Delta R.T. 0.015 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

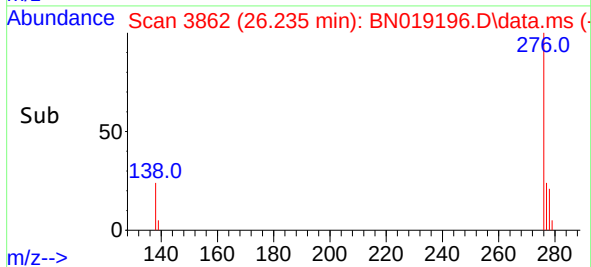
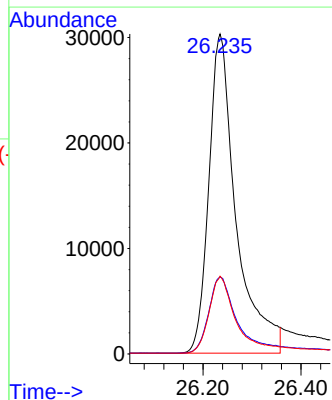
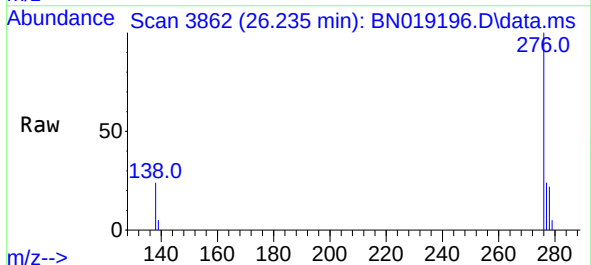
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

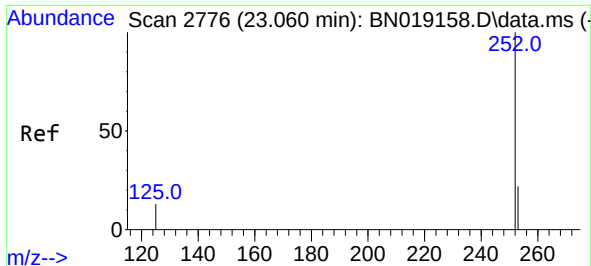
Tgt Ion:264 Resp: 6433
Ion Ratio Lower Upper
264 100
260 29.2 22.4 33.6
265 71.3 25.3 37.9#



#36
Indeno(1,2,3-cd)pyrene
Concen: 4.540 ng
RT: 26.235 min Scan# 3862
Delta R.T. 0.003 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

Tgt Ion:276 Resp: 116754
Ion Ratio Lower Upper
276 100
138 24.9 24.5 36.7
277 24.1 19.8 29.8

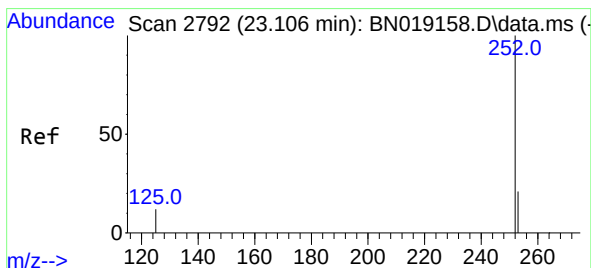
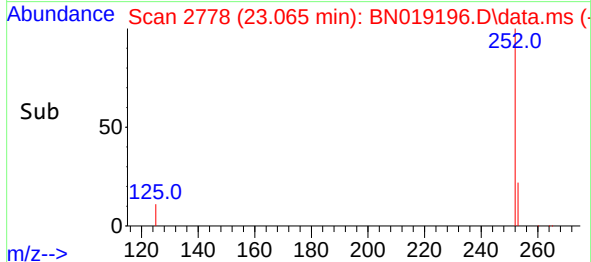
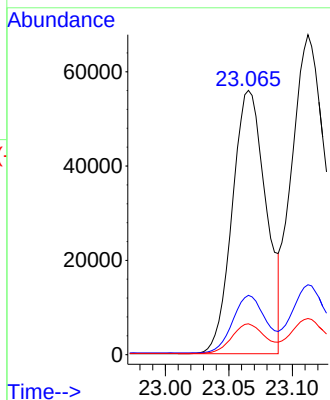
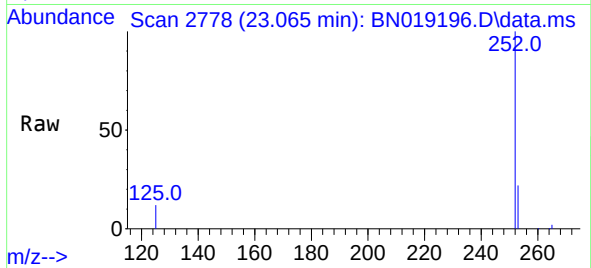




#37
Benzo(b)fluoranthene
Concen: 4.229 ng
RT: 23.065 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

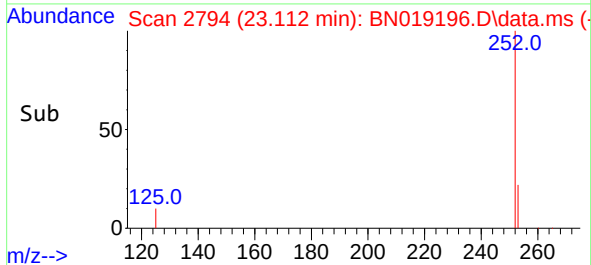
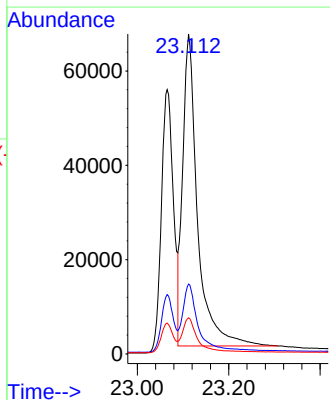
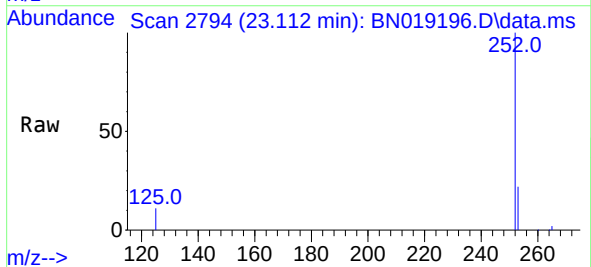
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

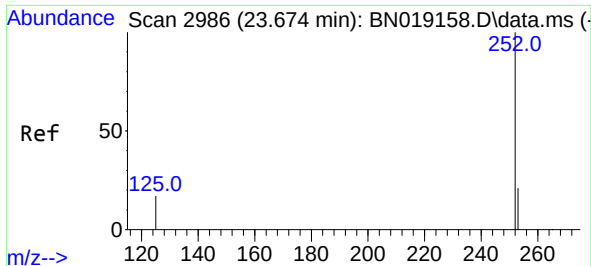
Tgt Ion:252 Resp: 103304
Ion Ratio Lower Upper
252 100
253 22.4 18.9 28.3
125 11.7 12.1 18.1#



#38
Benzo(k)fluoranthene
Concen: 4.821 ng
RT: 23.112 min Scan# 2794
Delta R.T. 0.006 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

Tgt Ion:252 Resp: 149467
Ion Ratio Lower Upper
252 100
253 21.8 18.9 28.3
125 11.3 10.3 15.5

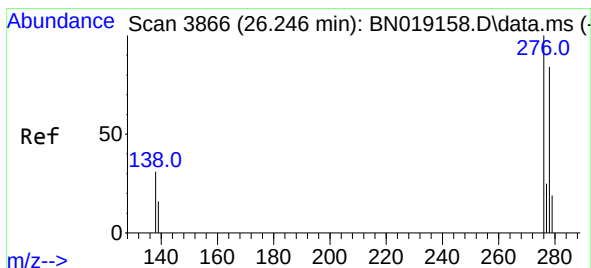
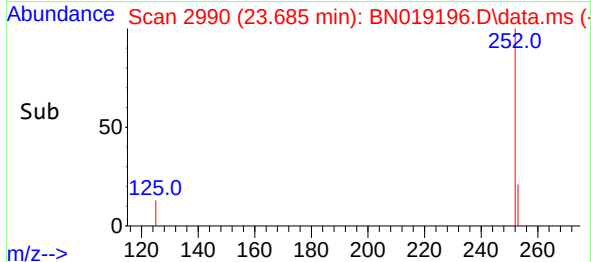
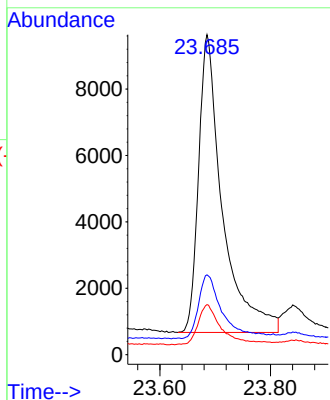
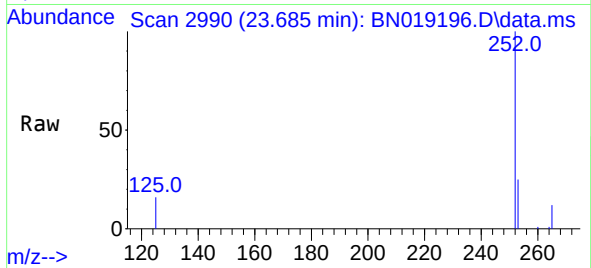




#39
Benzo(a)pyrene
Concen: 1.282 ng
RT: 23.685 min Scan# 2986
Delta R.T. 0.012 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

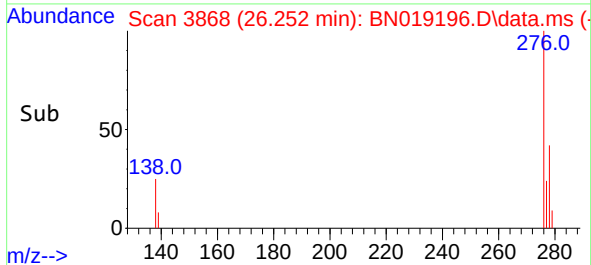
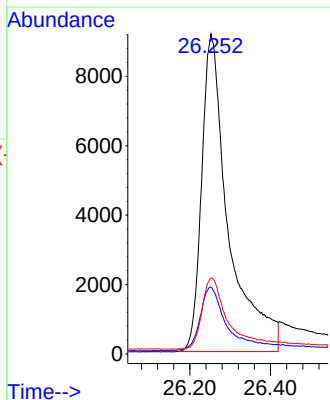
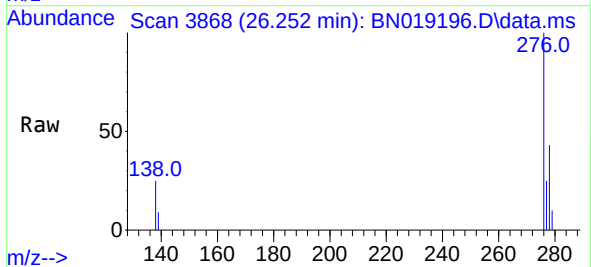
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

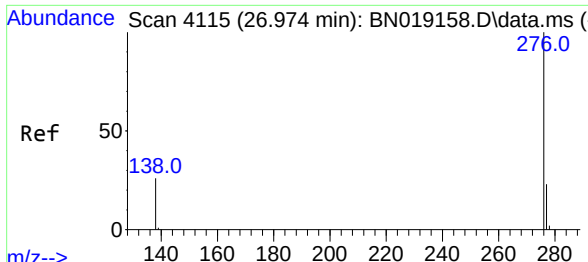
Tgt Ion:	252	Resp:	26838
Ion Ratio	Lower	Upper	
252	100		
253	24.9	20.1	30.1
125	15.6	15.2	22.8



#40
Dibenzo(a,h)anthracene
Concen: 2.182 ng
RT: 26.252 min Scan# 3868
Delta R.T. 0.006 min
Lab File: BN019196.D
Acq: 28 Mar 2022 15:22

Tgt Ion:	278	Resp:	42254
Ion Ratio	Lower	Upper	
278	100		
139	20.9	17.2	25.8
279	23.7	19.9	29.9





#41
 Benzo(g,h,i)perylene
 Concen: 5.250 ng
 RT: 26.983 min Scan# 41
 Delta R.T. 0.009 min
 Lab File: BN019196.D
 Acq: 28 Mar 2022 15:22

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

Tgt Ion:276 Resp: 138976

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	24.7	21.0	31.6

