

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050422\
 Data File : BN019693.D
 Acq On : 05 May 2022 12:47
 Operator : CG/JU
 Sample : N1870-21
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

Quant Time: May 05 14:56:14 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN050422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:20:22 2022
 Response via : Initial Calibration

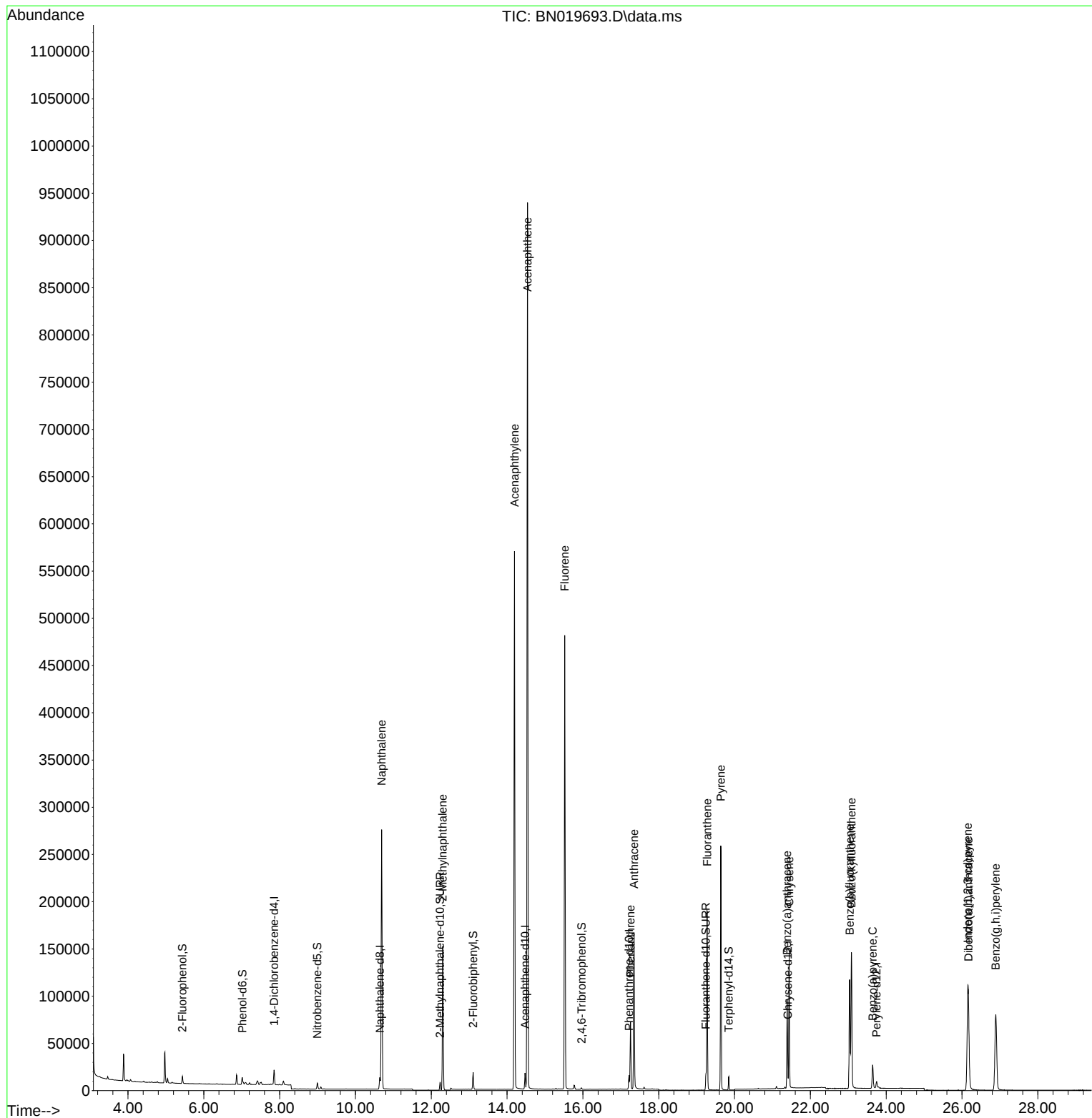
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	5893	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	17151	0.400	ng	# 0.00
13) Acenaphthene-d10	14.474	164	9286	0.400	ng	-0.01
19) Phenanthrene-d10	17.215	188	18592	0.400	ng	0.00
29) Chrysene-d12	21.404	240	13968	0.400	ng	# 0.00
35) Perylene-d12	23.747	264	10727	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	5908	0.430	ng	0.00
5) Phenol-d6	7.017	99	7312	0.434	ng	0.00
8) Nitrobenzene-d5	8.993	82	5310	0.382	ng	-0.01
11) 2-Methylnaphthalene-d10	12.231	152	10904	0.390	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	903	0.263	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	15575	0.389	ng	0.00
27) Fluoranthene-d10	19.244	212	19107	0.371	ng	0.00
31) Terphenyl-d14	19.847	244	15666	0.479	ng	0.00
Target Compounds						
9) Naphthalene	10.690	128	360011	7.337	ng	99
12) 2-Methylnaphthalene	12.303	142	110026	3.419	ng	99
16) Acenaphthylene	14.196	152	609115	13.594	ng	99
17) Acenaphthene	14.538	154	477846	15.501	ng	99
18) Fluorene	15.521	166	296248	7.823	ng	99
25) Phenanthrene	17.256	178	71614	1.162	ng	100
26) Anthracene	17.349	178	177059	3.384	ng	99
28) Fluoranthene	19.278	202	177994	2.765	ng	99
30) Pyrene	19.636	202	235307	4.075	ng	99
32) Benzo(a)anthracene	21.386	228	73428	1.483	ng	99
33) Chrysene	21.440	228	119384	2.206	ng	99
36) Indeno(1,2,3-cd)pyrene	26.153	276	182396	3.741	ng	95
37) Benzo(b)fluoranthene	23.036	252	156414	3.528	ng	# 88
38) Benzo(k)fluoranthene	23.083	252	191862	4.089	ng	# 87
39) Benzo(a)pyrene	23.641	252	38608	1.148	ng	# 85
40) Dibenzo(a,h)anthracene	26.173	278	72076	1.815	ng	94
41) Benzo(g,h,i)perylene	26.892	276	173582	4.415	ng	97

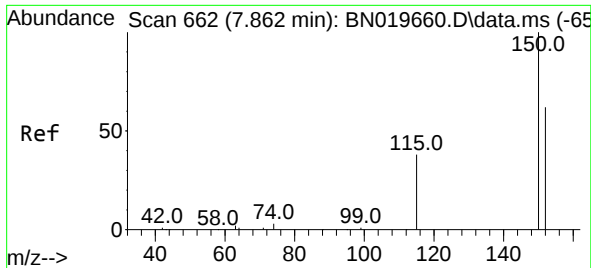
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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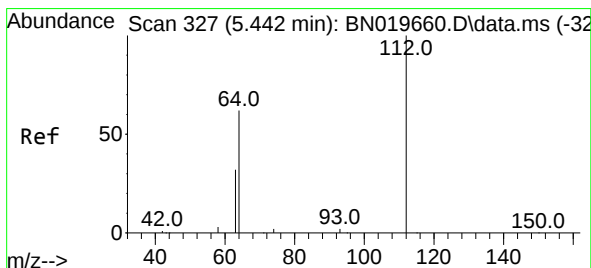
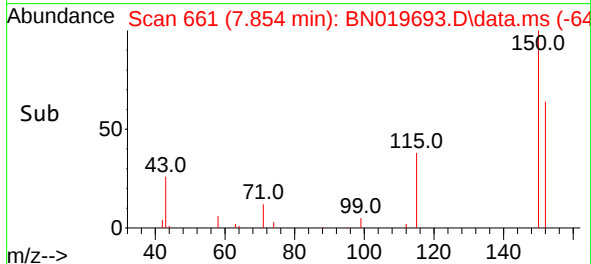
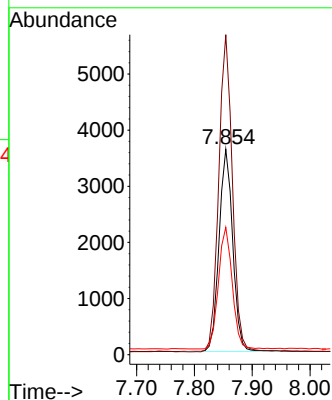
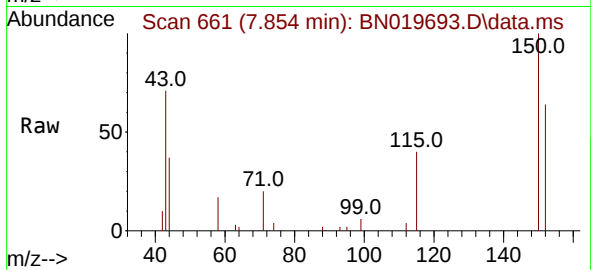




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.854 min Scan# 61
 Delta R.T. -0.008 min
 Lab File: BN019693.D
 Acq: 05 May 2022 12:47

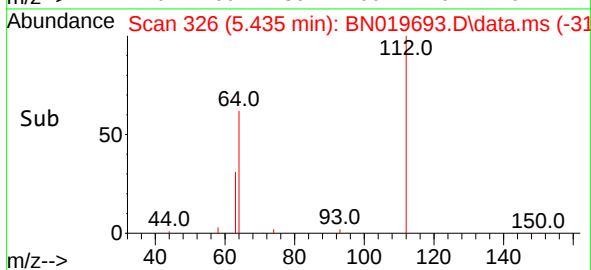
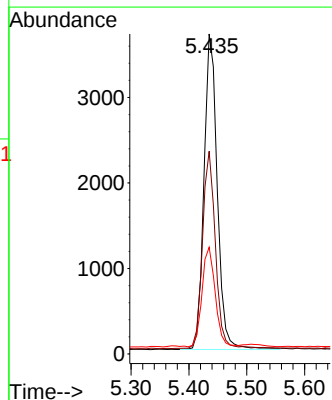
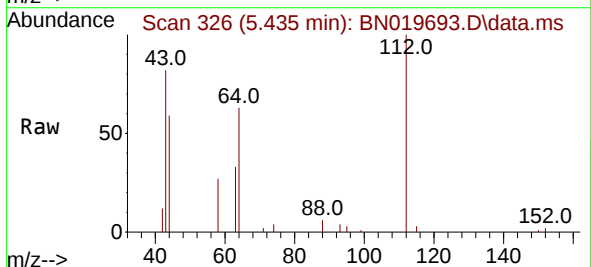
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

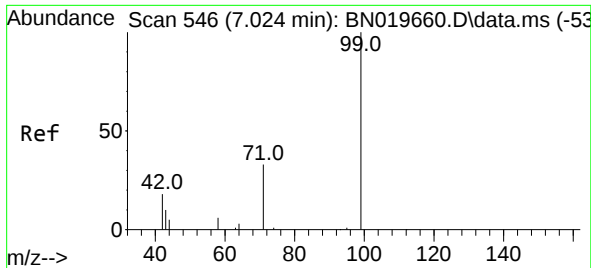
Tgt Ion:152 Resp: 5893
 Ion Ratio Lower Upper
 152 100
 150 155.7 122.6 183.8
 115 62.0 49.0 73.6



#4
 2-Fluorophenol
 Concen: 0.430 ng
 RT: 5.435 min Scan# 326
 Delta R.T. -0.007 min
 Lab File: BN019693.D
 Acq: 05 May 2022 12:47

Tgt Ion:112 Resp: 5908
 Ion Ratio Lower Upper
 112 100
 64 61.5 47.3 70.9
 63 31.1 24.6 36.8

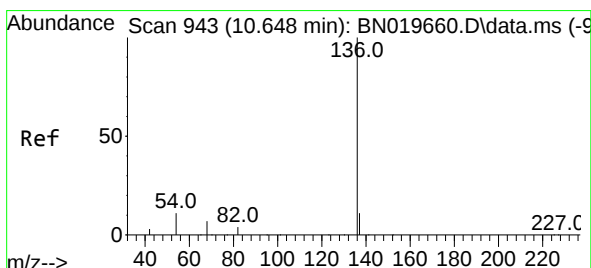
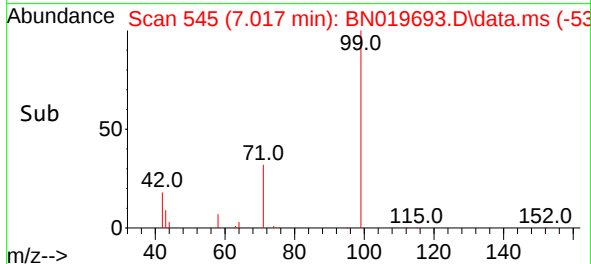
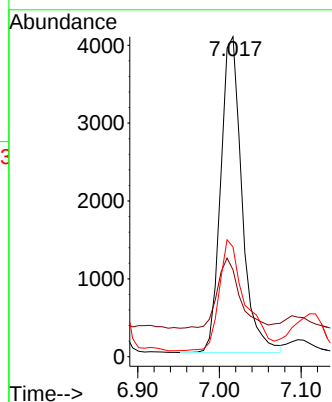
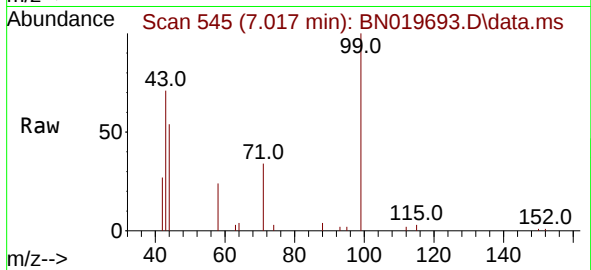




#5
Phenol-d6
Concen: 0.434 ng
RT: 7.017 min Scan# 546
Delta R.T. -0.007 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

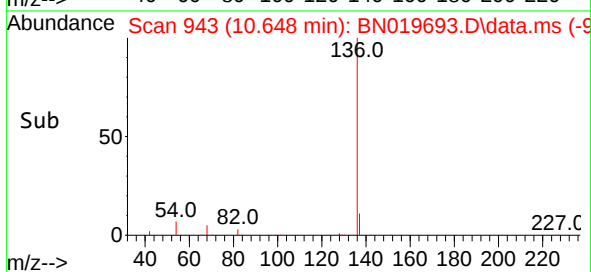
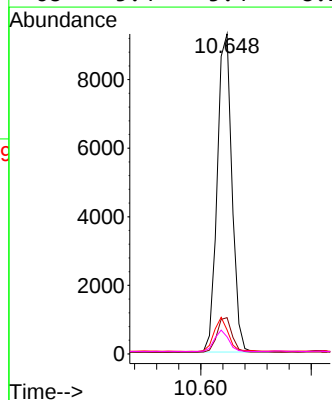
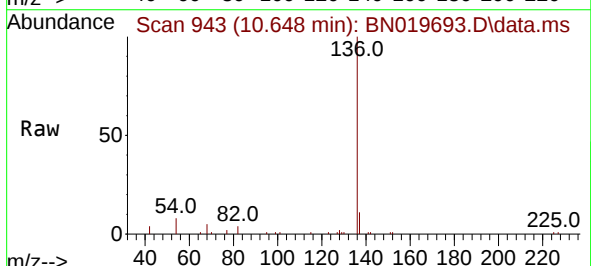
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

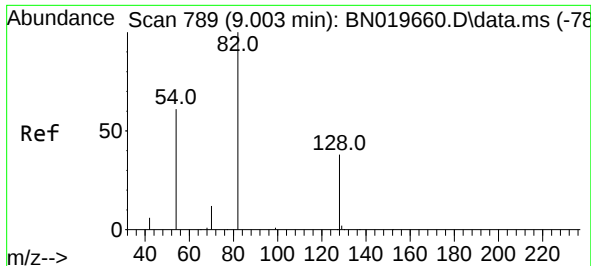
Tgt Ion: 99 Resp: 7312
Ion Ratio Lower Upper
99 100
42 23.3 15.8 23.8
71 43.3 26.5 39.7#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 943
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

Tgt Ion: 136 Resp: 17151
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.5 7.8 11.6#
68 5.4 5.4 8.2#

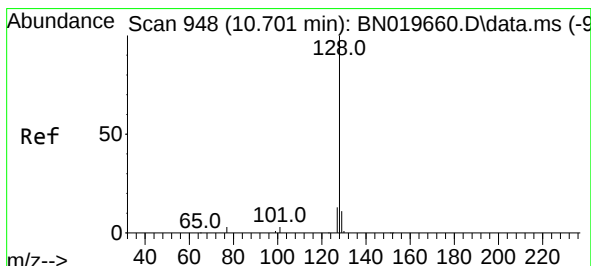
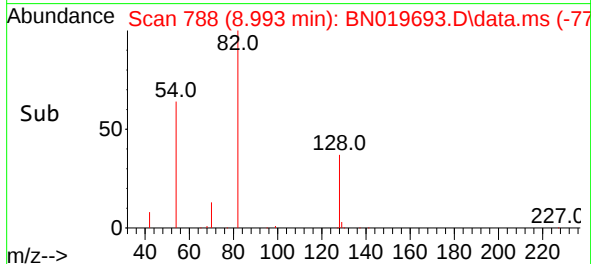
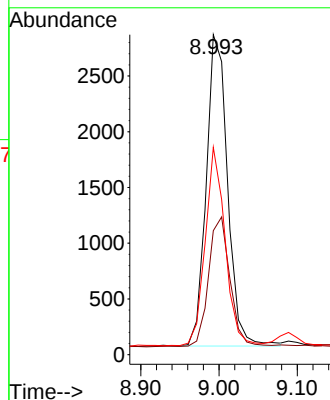
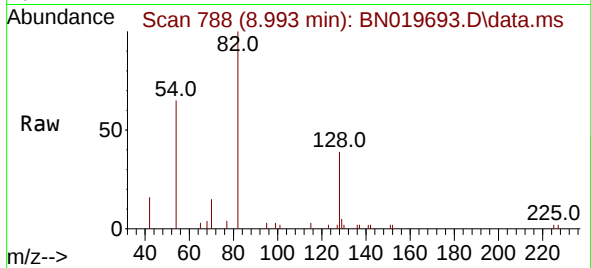




#8
 Nitrobenzene-d5
 Concen: 0.382 ng
 RT: 8.993 min Scan# 789
 Delta R.T. -0.011 min
 Lab File: BN019693.D
 Acq: 05 May 2022 12:47

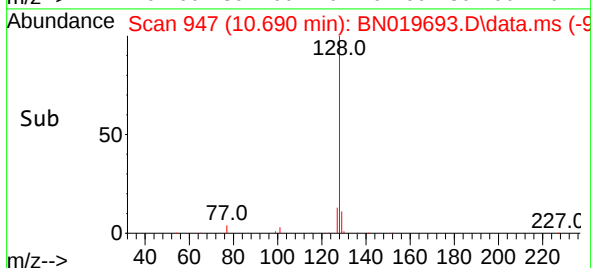
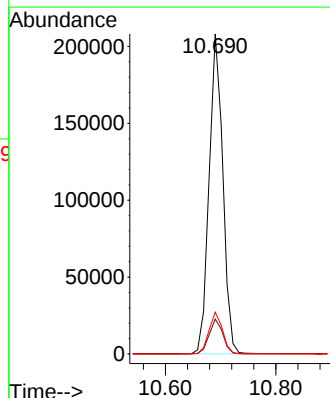
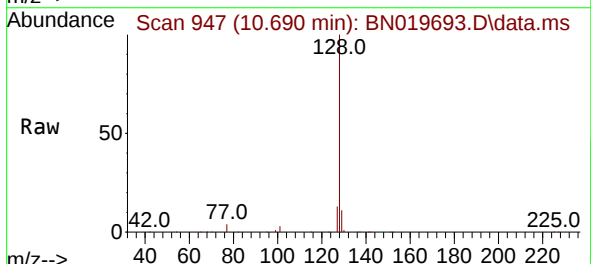
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

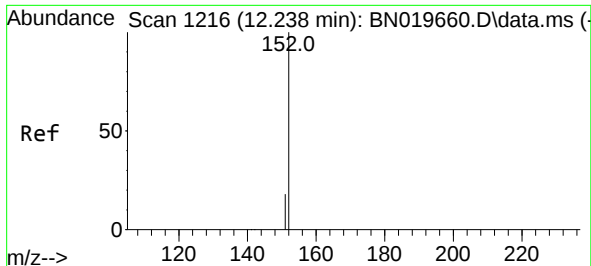
Tgt Ion: 82 Resp: 5310
 Ion Ratio Lower Upper
 82 100
 128 38.7 32.4 48.6
 54 64.8 44.4 66.6



#9
 Naphthalene
 Concen: 7.337 ng
 RT: 10.690 min Scan# 947
 Delta R.T. -0.011 min
 Lab File: BN019693.D
 Acq: 05 May 2022 12:47

Tgt Ion: 128 Resp: 360011
 Ion Ratio Lower Upper
 128 100
 129 10.9 9.0 13.4
 127 13.0 10.8 16.2





#11

2-Methylnaphthalene-d10

Concen: 0.390 ng

RT: 12.231 min Scan# 11

Delta R.T. -0.008 min

Lab File: BN019693.D

Acq: 05 May 2022 12:47

Instrument :

BNA_N

ClientSampleId :

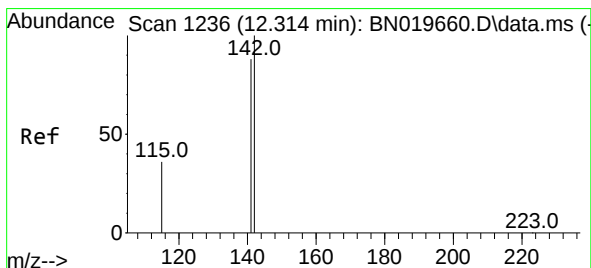
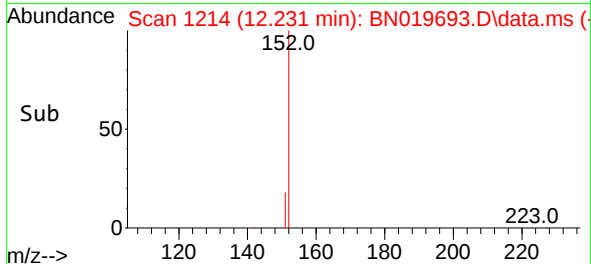
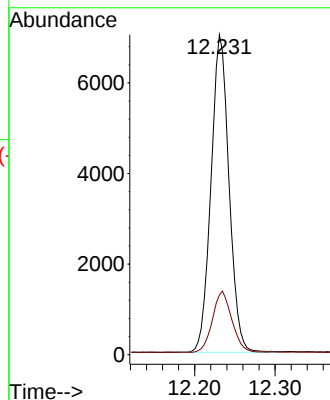
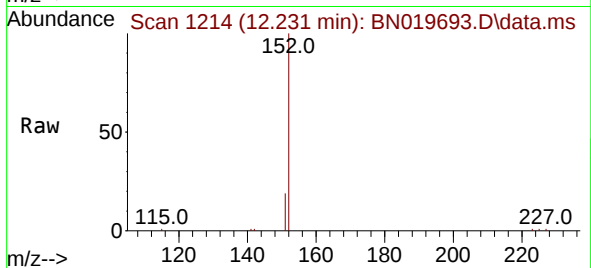
RR-PAH-WP

Tgt Ion:152 Resp: 10904

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.4



#12

2-Methylnaphthalene

Concen: 3.419 ng

RT: 12.303 min Scan# 1233

Delta R.T. -0.011 min

Lab File: BN019693.D

Acq: 05 May 2022 12:47

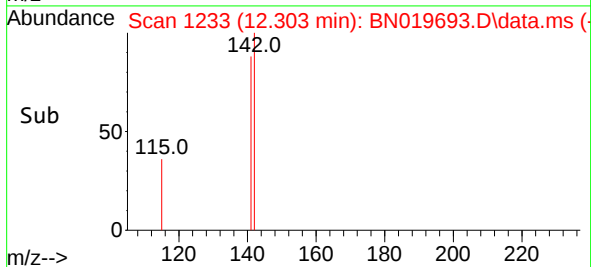
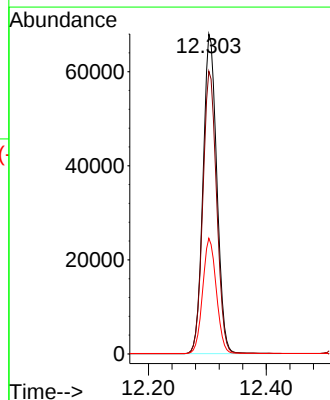
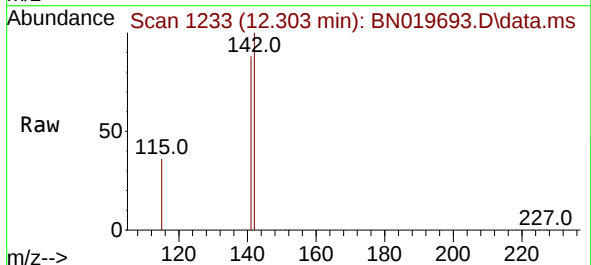
Tgt Ion:142 Resp: 110026

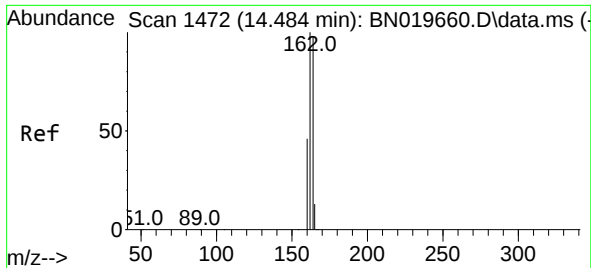
Ion Ratio Lower Upper

142 100

141 88.4 71.0 106.6

115 36.2 29.6 44.4

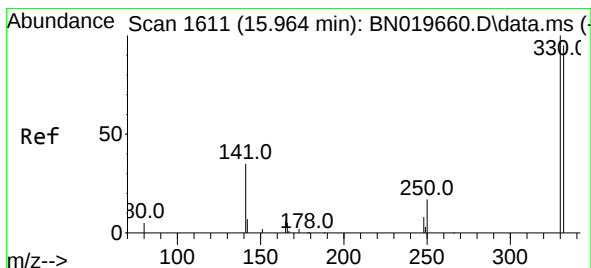
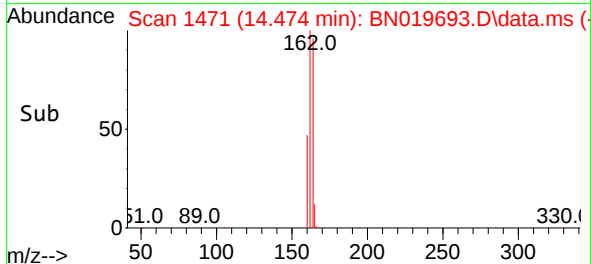
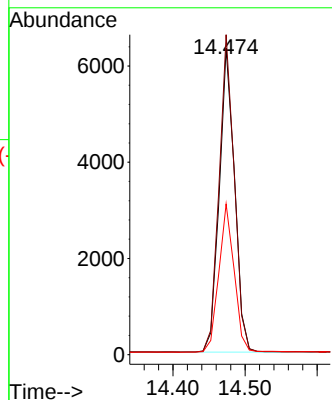
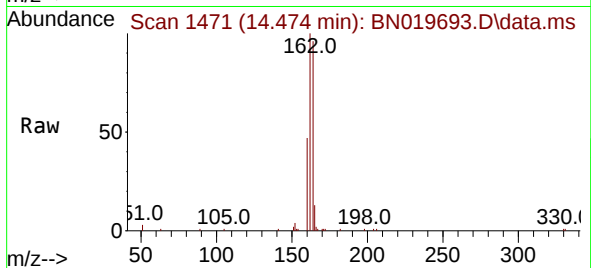




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1472
Delta R.T. -0.011 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

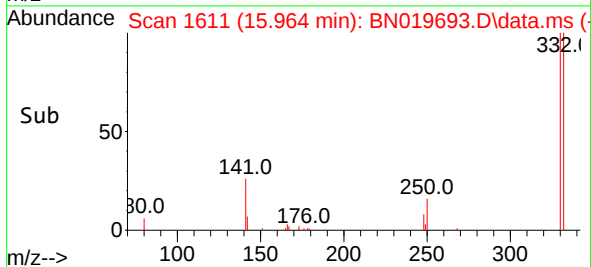
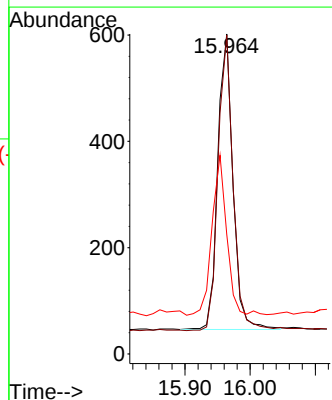
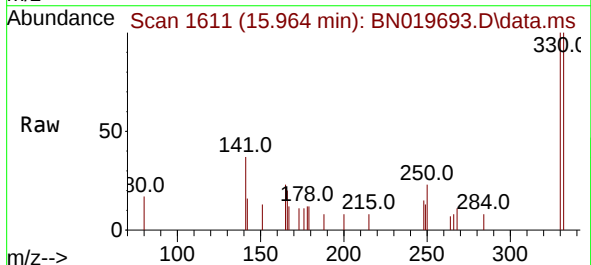
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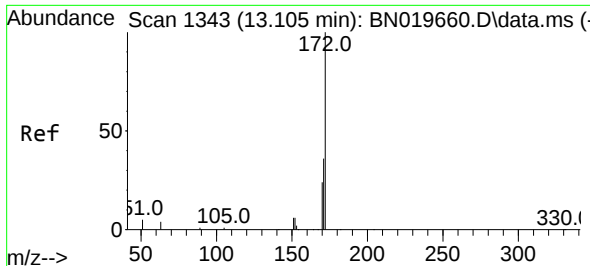
Tgt Ion:164 Resp: 9286
Ion Ratio Lower Upper
164 100
162 104.4 81.8 122.6
160 49.2 38.3 57.5



#14
2,4,6-Tribromophenol
Concen: 0.263 ng
RT: 15.964 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

Tgt Ion:330 Resp: 903
Ion Ratio Lower Upper
330 100
332 99.6 76.2 114.4
141 51.5 39.7 59.5

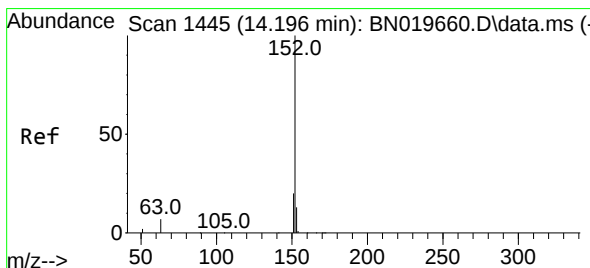
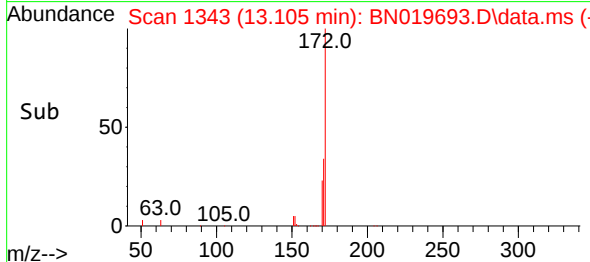
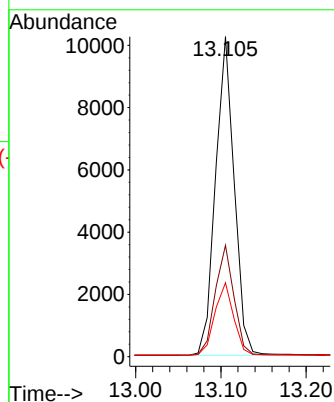
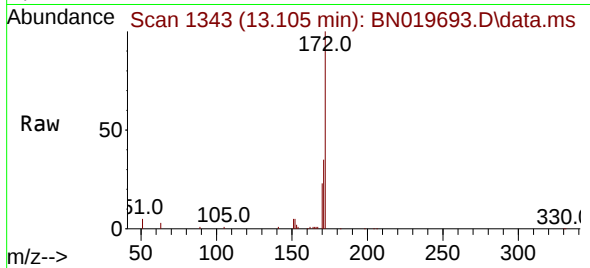




#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 13.105 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

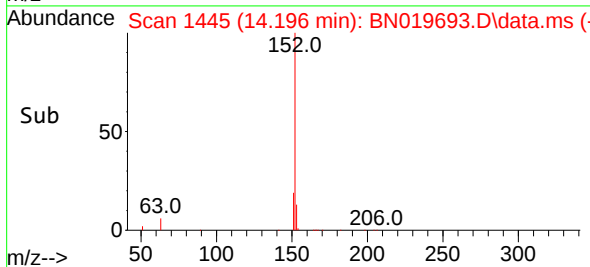
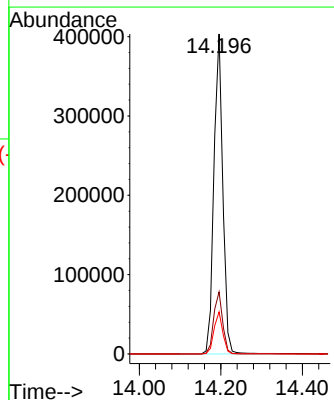
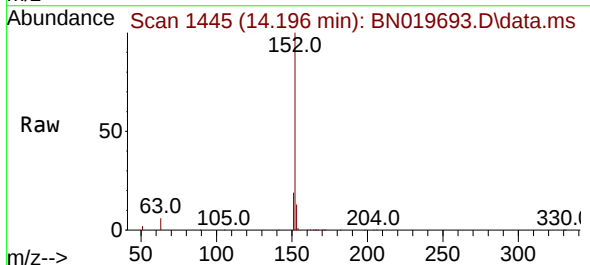
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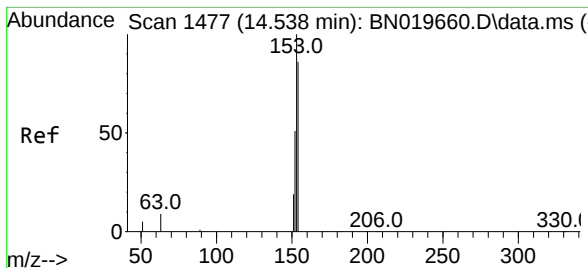
Tgt Ion:	172	Resp:	15575
Ion Ratio	Lower	Upper	
172	100		
171	34.8	28.0	42.0
170	23.1	19.0	28.4



#16
Acenaphthylene
Concen: 13.594 ng
RT: 14.196 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

Tgt Ion:	152	Resp:	609115
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.2	24.4
153	13.0	10.5	15.7





#17

Acenaphthene

Concen: 15.501 ng

RT: 14.538 min Scan# 1477

Delta R.T. 0.000 min

Lab File: BN019693.D

Acq: 05 May 2022 12:47

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

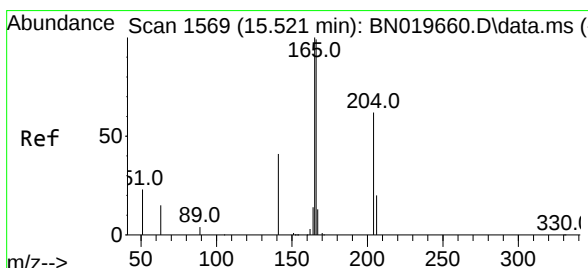
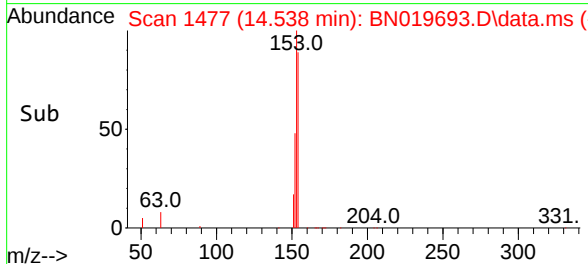
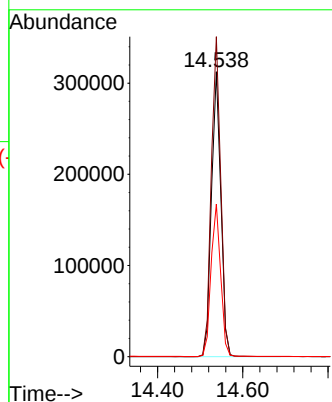
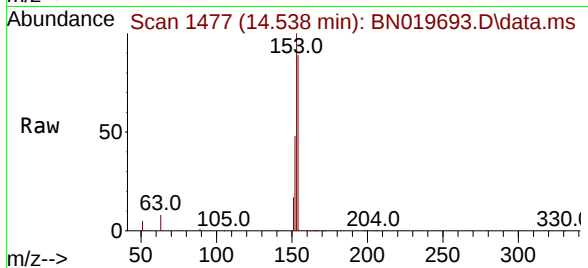
Tgt Ion:154 Resp: 477846

Ion Ratio Lower Upper

154 100

153 113.0 89.3 133.9

152 54.6 44.1 66.1



#18

Fluorene

Concen: 7.823 ng

RT: 15.521 min Scan# 1569

Delta R.T. 0.000 min

Lab File: BN019693.D

Acq: 05 May 2022 12:47

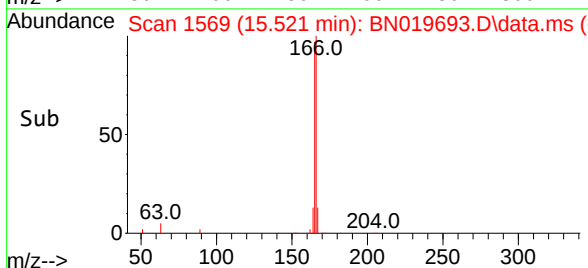
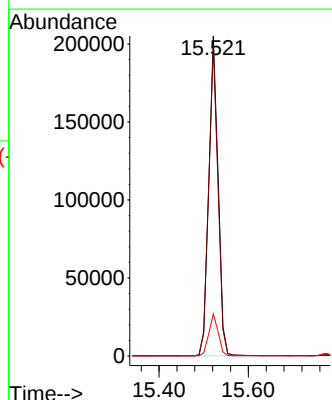
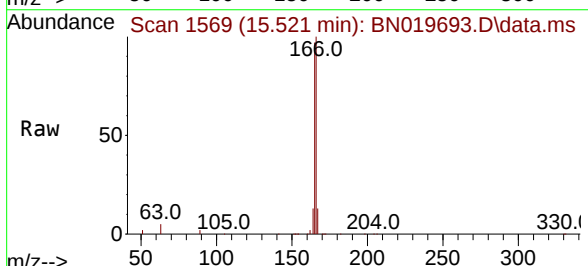
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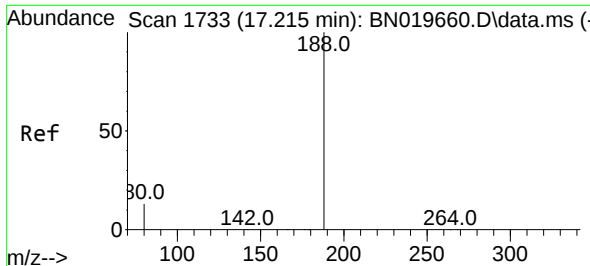
Ion Ratio Lower Upper

166 100

165 97.4 79.1 118.7

167 13.2 10.7 16.1

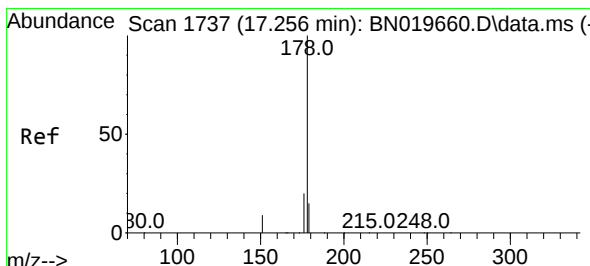
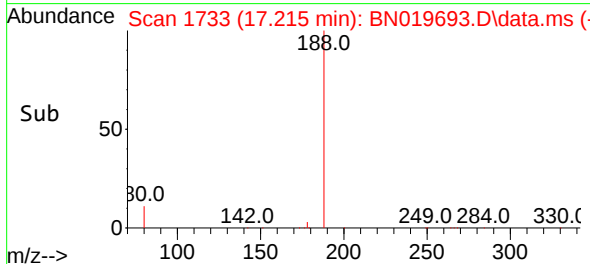
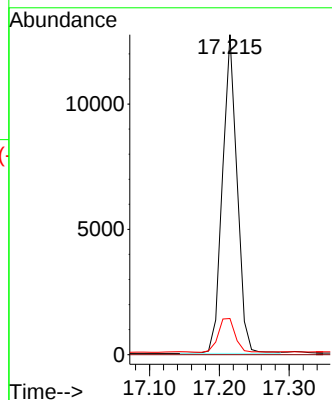
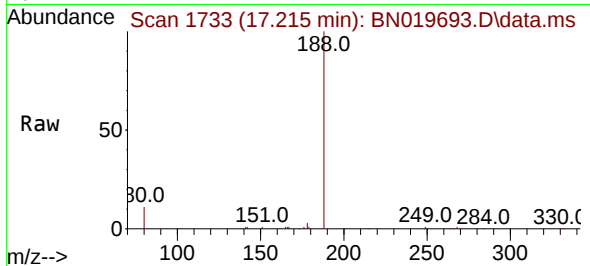




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

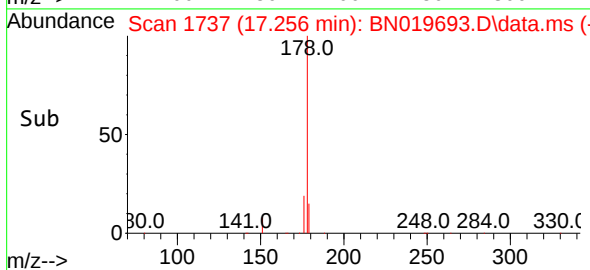
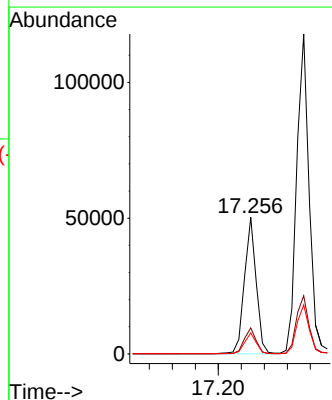
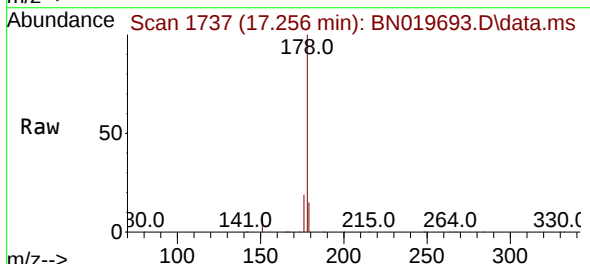
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

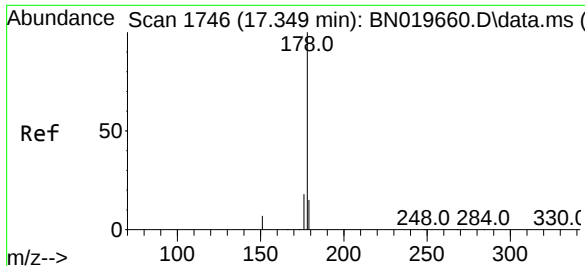
Tgt Ion:188 Resp: 18592
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.3 8.6 12.8



#25
Phenanthrene
Concen: 1.162 ng
RT: 17.256 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

Tgt Ion:178 Resp: 71614
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.2 12.1 18.1

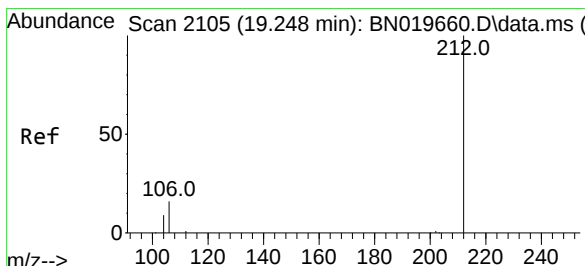
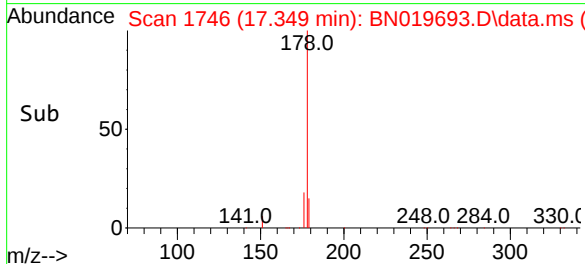
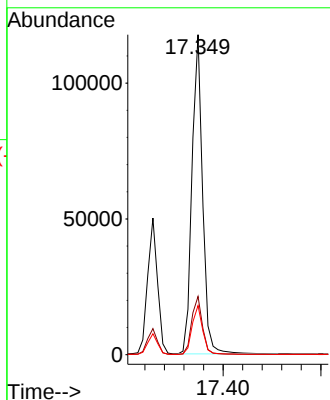
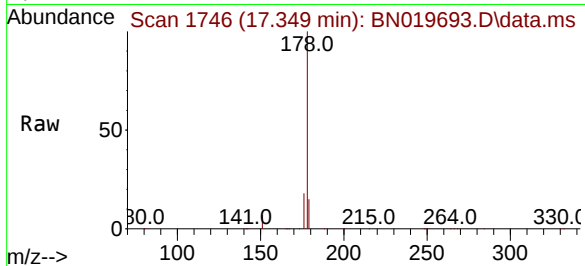




#26
 Anthracene
 Concen: 3.384 ng
 RT: 17.349 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019693.D
 Acq: 05 May 2022 12:47

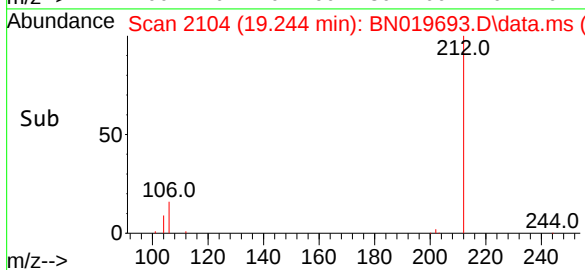
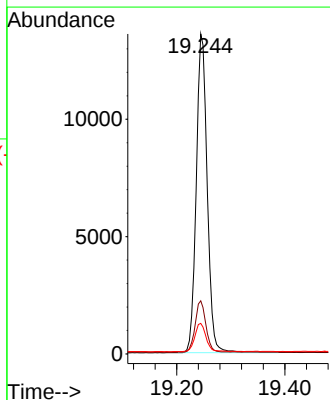
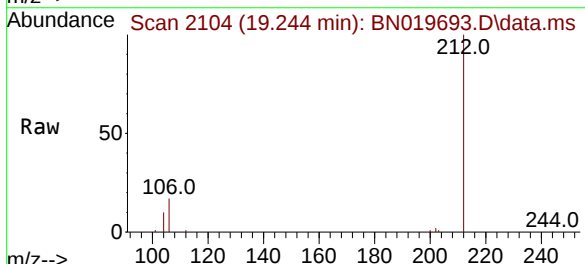
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

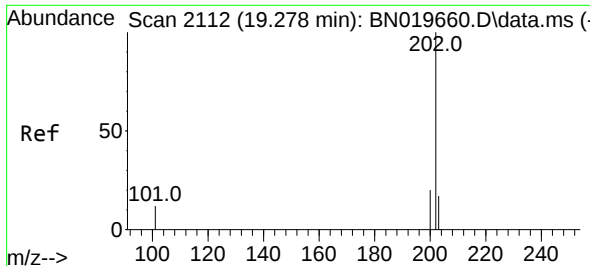
Tgt Ion:178 Resp: 177059
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.3 21.5
 179 15.3 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 0.371 ng
 RT: 19.244 min Scan# 2104
 Delta R.T. -0.004 min
 Lab File: BN019693.D
 Acq: 05 May 2022 12:47

Tgt Ion:212 Resp: 19107
 Ion Ratio Lower Upper
 212 100
 106 15.9 13.5 20.3
 104 9.1 7.6 11.4

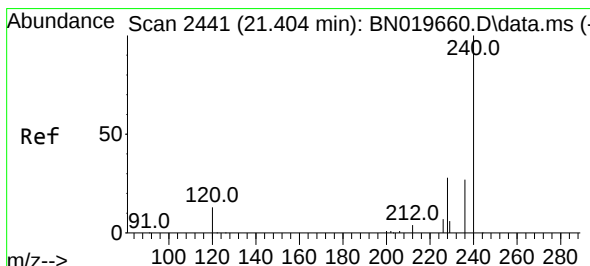
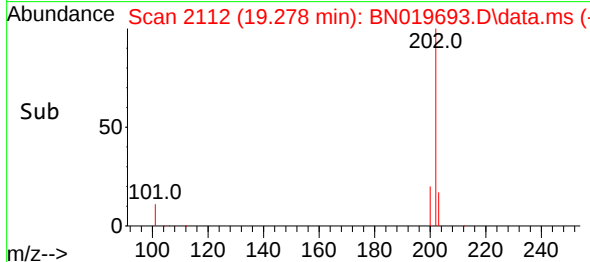
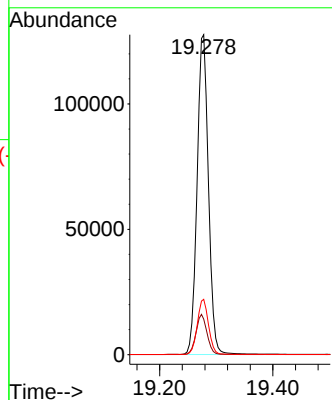
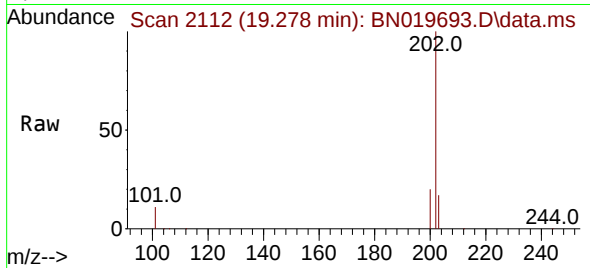




#28
Fluoranthene
Concen: 2.765 ng
RT: 19.278 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

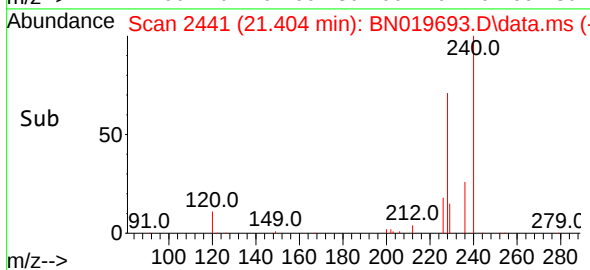
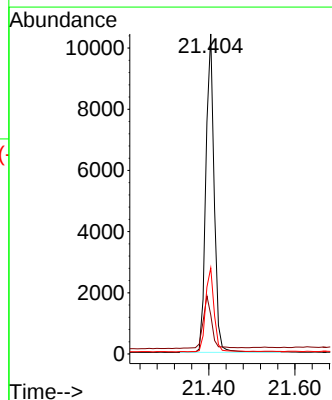
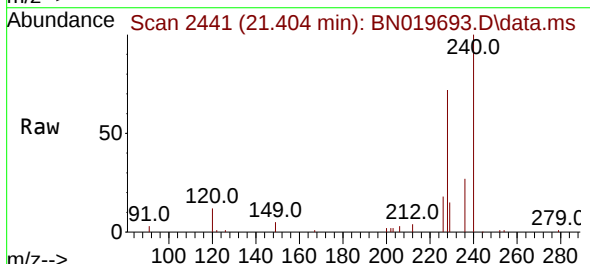
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

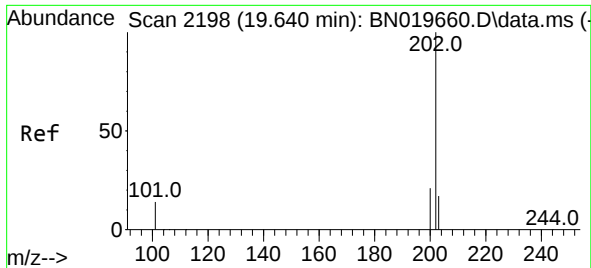
Tgt Ion:202 Resp: 177994
Ion Ratio Lower Upper
202 100
101 12.1 10.6 15.8
203 17.0 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.404 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

Tgt Ion:240 Resp: 13968
Ion Ratio Lower Upper
240 100
120 12.2 17.4 26.2#
236 26.9 23.0 34.4

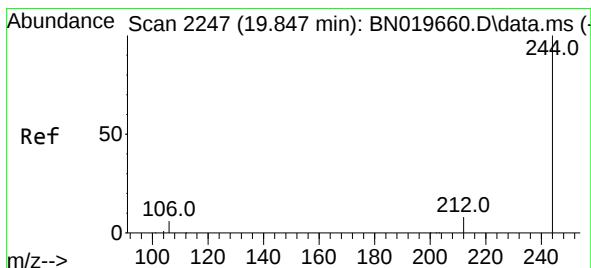
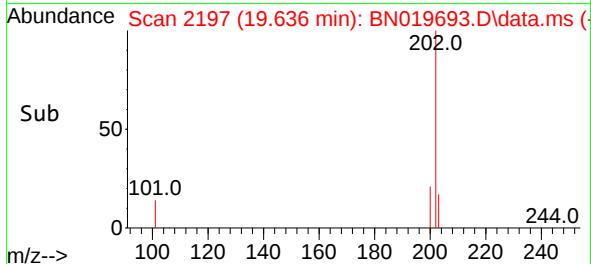
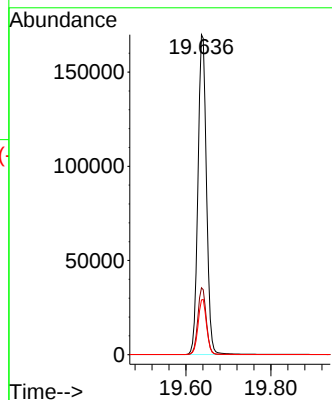
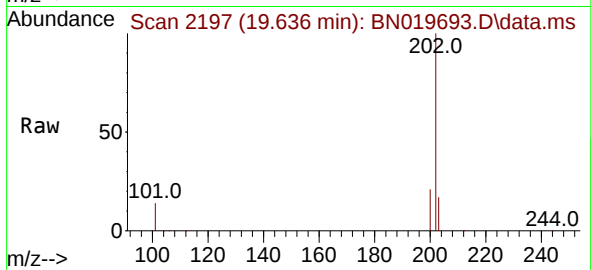




#30
Pyrene
Concen: 4.075 ng
RT: 19.636 min Scan# 2197
Delta R.T. -0.004 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

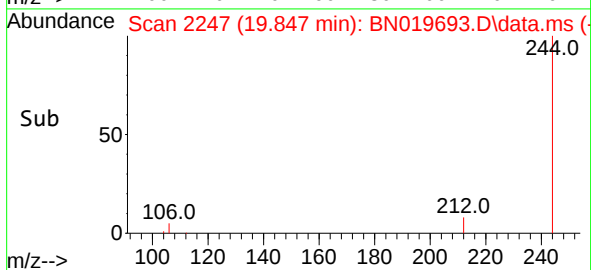
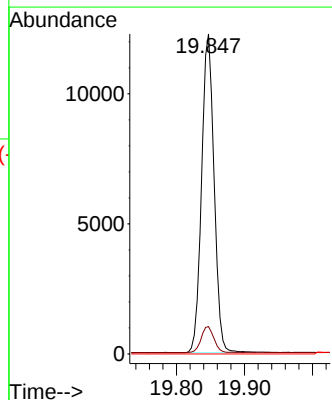
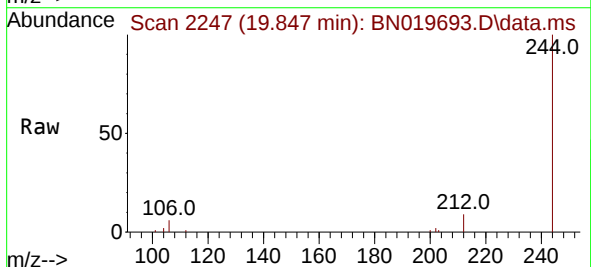
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

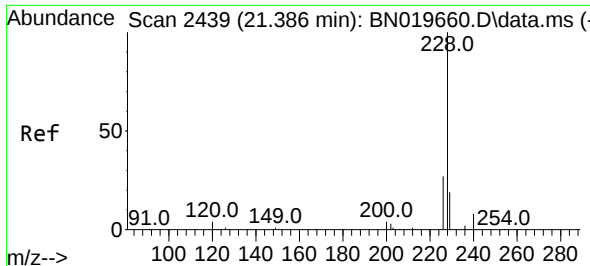
Tgt Ion:202 Resp: 235307
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.2 14.2 21.4



#31
Terphenyl-d14
Concen: 0.479 ng
RT: 19.847 min Scan# 2247
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

Tgt Ion:244 Resp: 15666
Ion Ratio Lower Upper
244 100
212 8.6 7.6 11.4
122 0.0 0.0 0.0

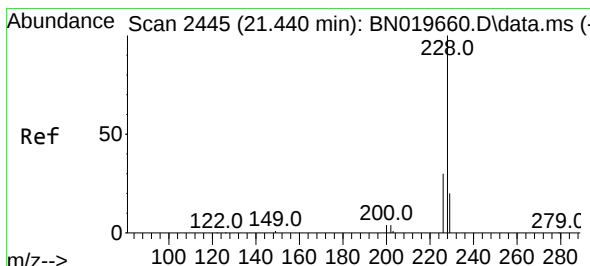
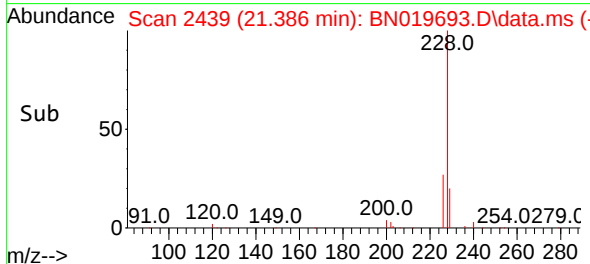
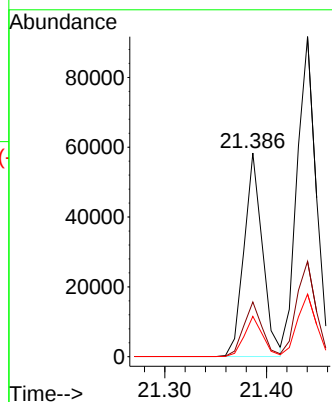
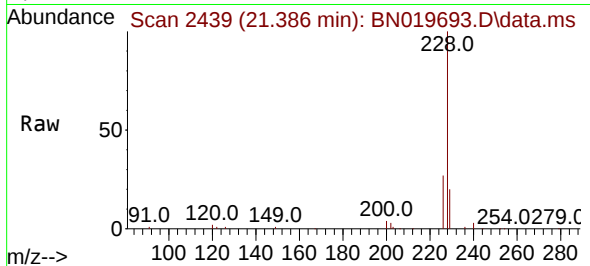




#32
Benzo(a)anthracene
Concen: 1.483 ng
RT: 21.386 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

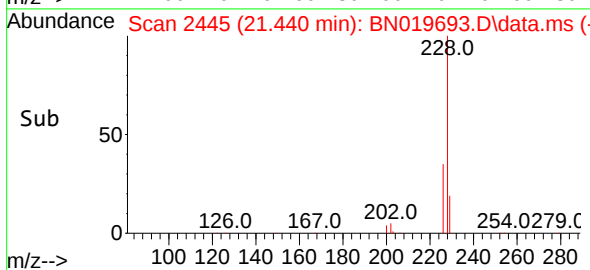
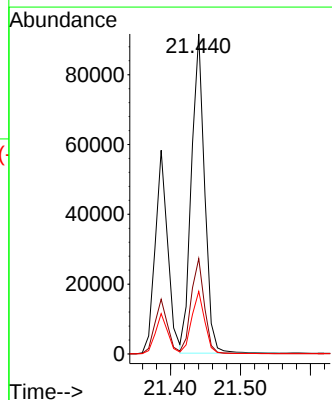
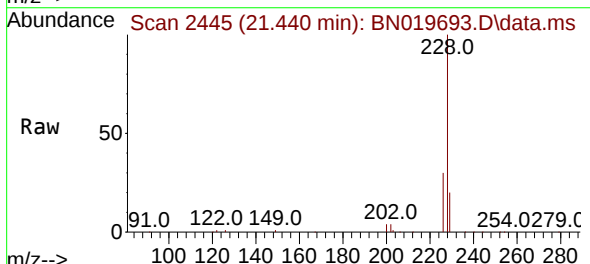
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

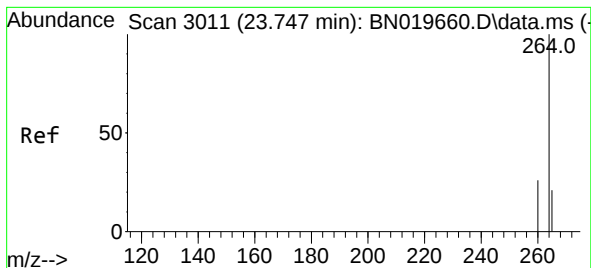
Tgt Ion:228 Resp: 73428
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 19.8 16.5 24.7



#33
Chrysene
Concen: 2.206 ng
RT: 21.440 min Scan# 2445
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

Tgt Ion:228 Resp: 119384
Ion Ratio Lower Upper
228 100
226 29.8 24.6 36.8
229 19.6 15.9 23.9





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.747 min Scan# 3011

Delta R.T. 0.000 min

Lab File: BN019693.D

Acq: 05 May 2022 12:47

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

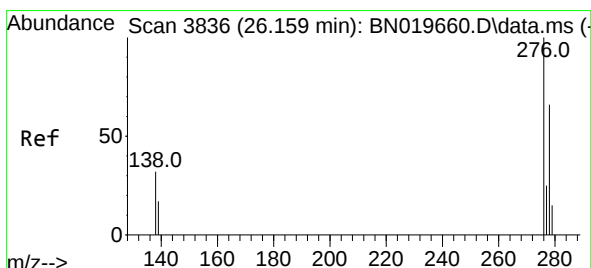
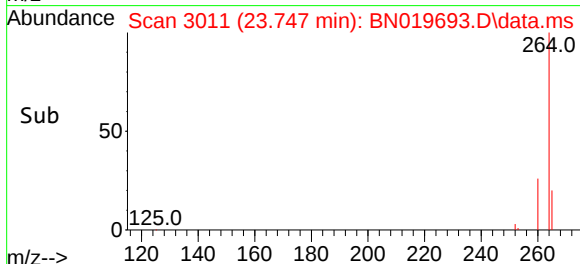
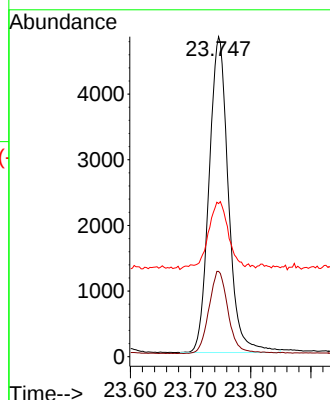
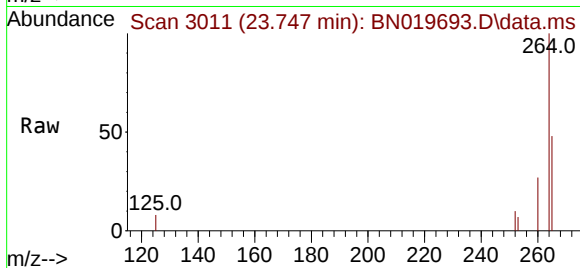
Tgt Ion:264 Resp: 10727

Ion Ratio Lower Upper

264 100

260 26.7 21.0 31.6

265 47.9 67.9 101.9#



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.741 ng

RT: 26.153 min Scan# 3834

Delta R.T. -0.006 min

Lab File: BN019693.D

Acq: 05 May 2022 12:47

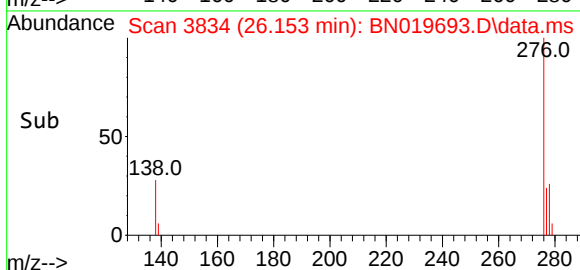
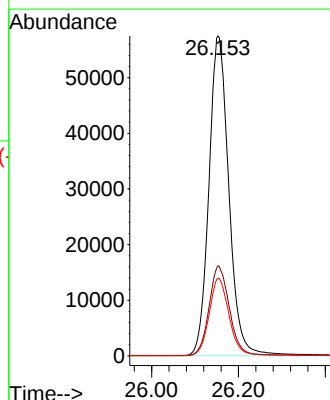
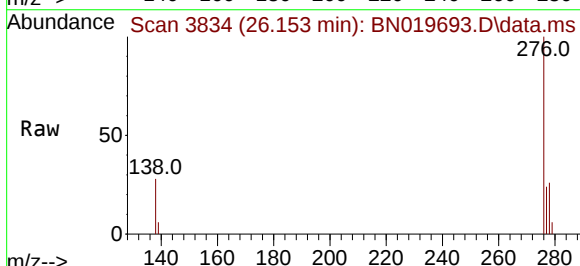
Tgt Ion:276 Resp: 182396

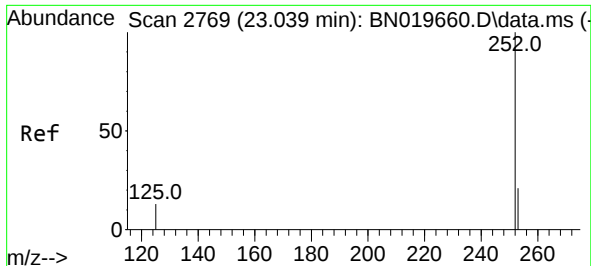
Ion Ratio Lower Upper

276 100

138 28.7 26.6 40.0

277 24.2 20.0 30.0

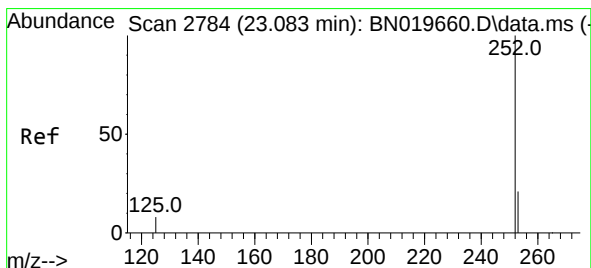
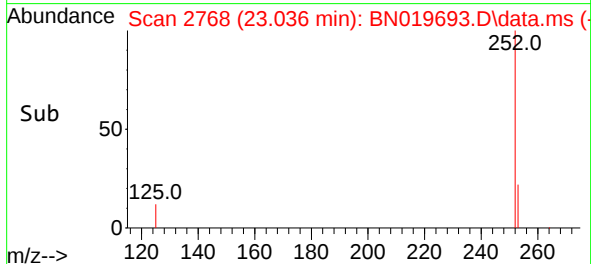
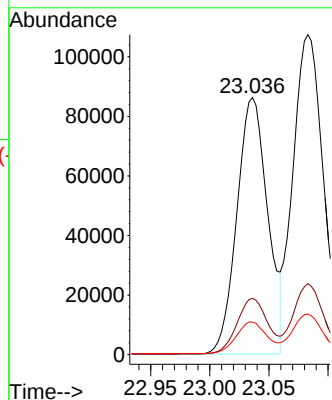
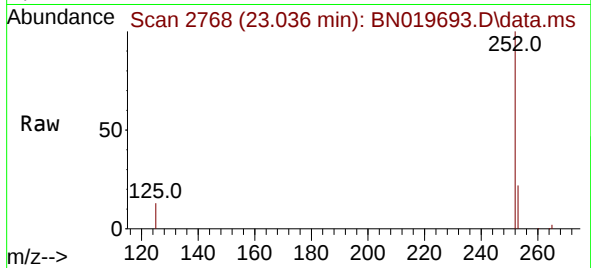




#37
Benzo(b)fluoranthene
Concen: 3.528 ng
RT: 23.036 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

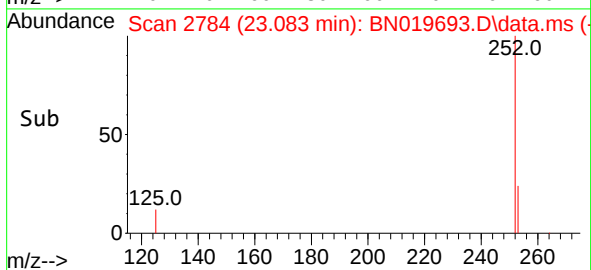
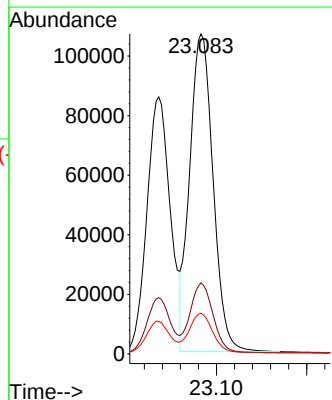
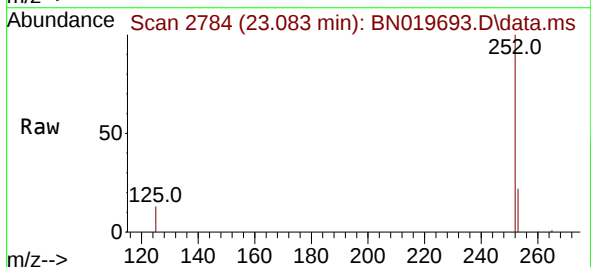
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

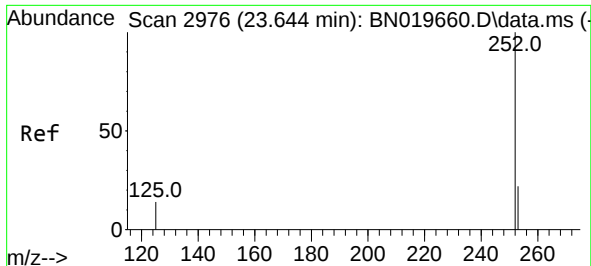
Tgt Ion:252 Resp: 156414
Ion Ratio Lower Upper
252 100
253 21.9 21.2 31.8
125 12.6 15.9 23.9#



#38
Benzo(k)fluoranthene
Concen: 4.089 ng
RT: 23.083 min Scan# 2784
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

Tgt Ion:252 Resp: 191862
Ion Ratio Lower Upper
252 100
253 22.2 21.7 32.5
125 12.7 17.0 25.4#

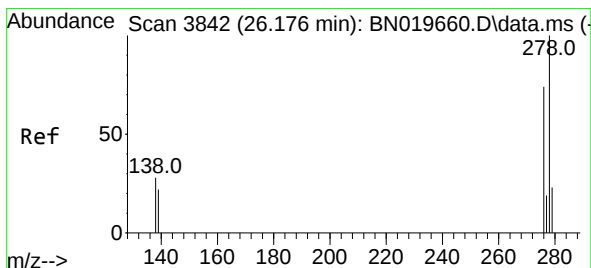
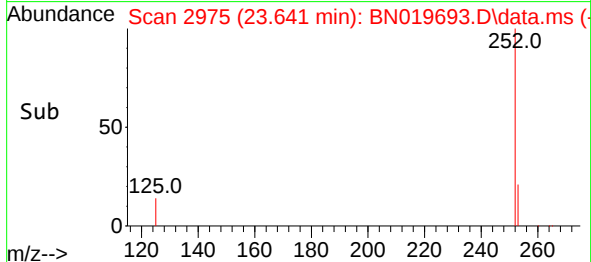
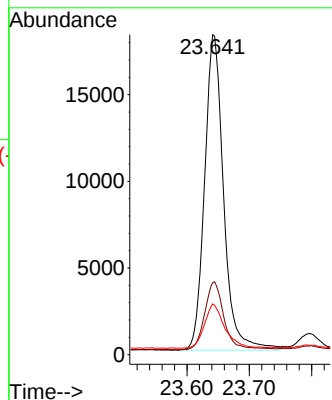
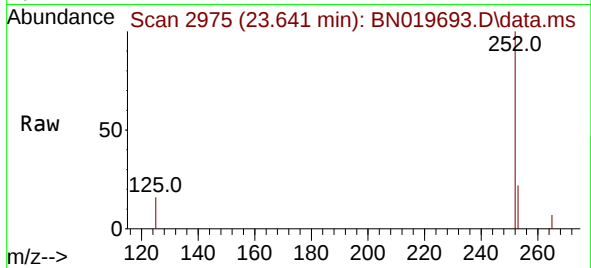




#39
Benzo(a)pyrene
Concen: 1.148 ng
RT: 23.641 min Scan# 2976
Delta R.T. -0.003 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

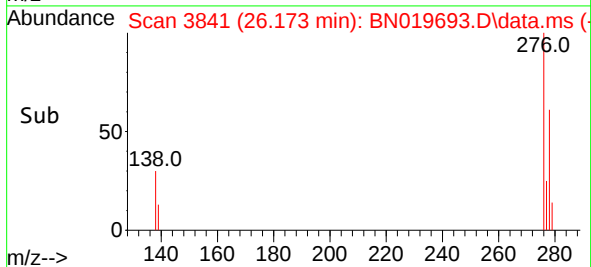
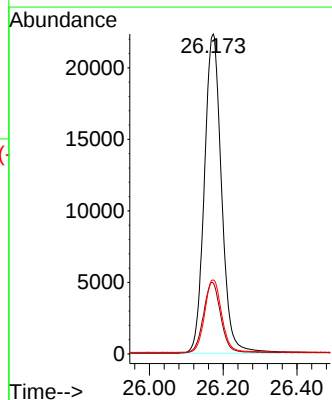
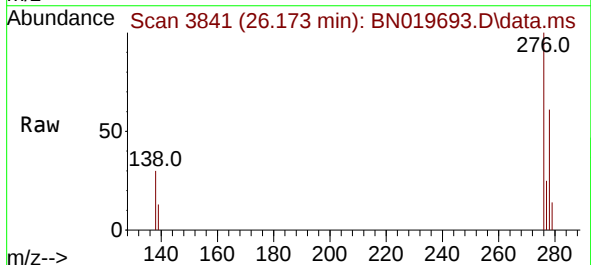
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

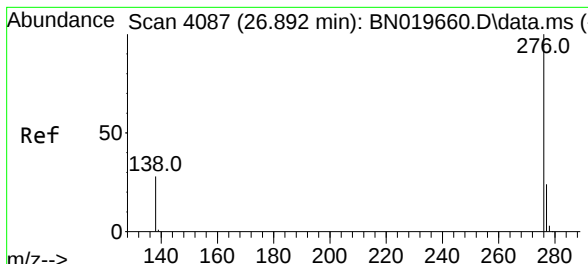
Tgt Ion:252 Resp: 38608
Ion Ratio Lower Upper
252 100
253 22.5 23.1 34.7#
125 15.9 20.4 30.6#



#40
Dibenzo(a,h)anthracene
Concen: 1.815 ng
RT: 26.173 min Scan# 3841
Delta R.T. -0.003 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

Tgt Ion:278 Resp: 72076
Ion Ratio Lower Upper
278 100
139 22.2 19.4 29.2
279 23.2 21.8 32.8





#41

Benzo(g,h,i)perylene

Concen: 4.415 ng

RT: 26.892 min Scan# 40

Delta R.T. 0.000 min

Lab File: BN019693.D

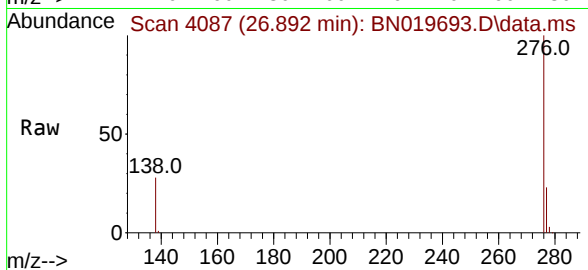
Acq: 05 May 2022 12:47

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP



Tgt Ion:276 Resp: 173582

Ion Ratio Lower Upper

276 100

277 23.3 20.2 30.2

138 27.8 23.5 35.3

