

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)

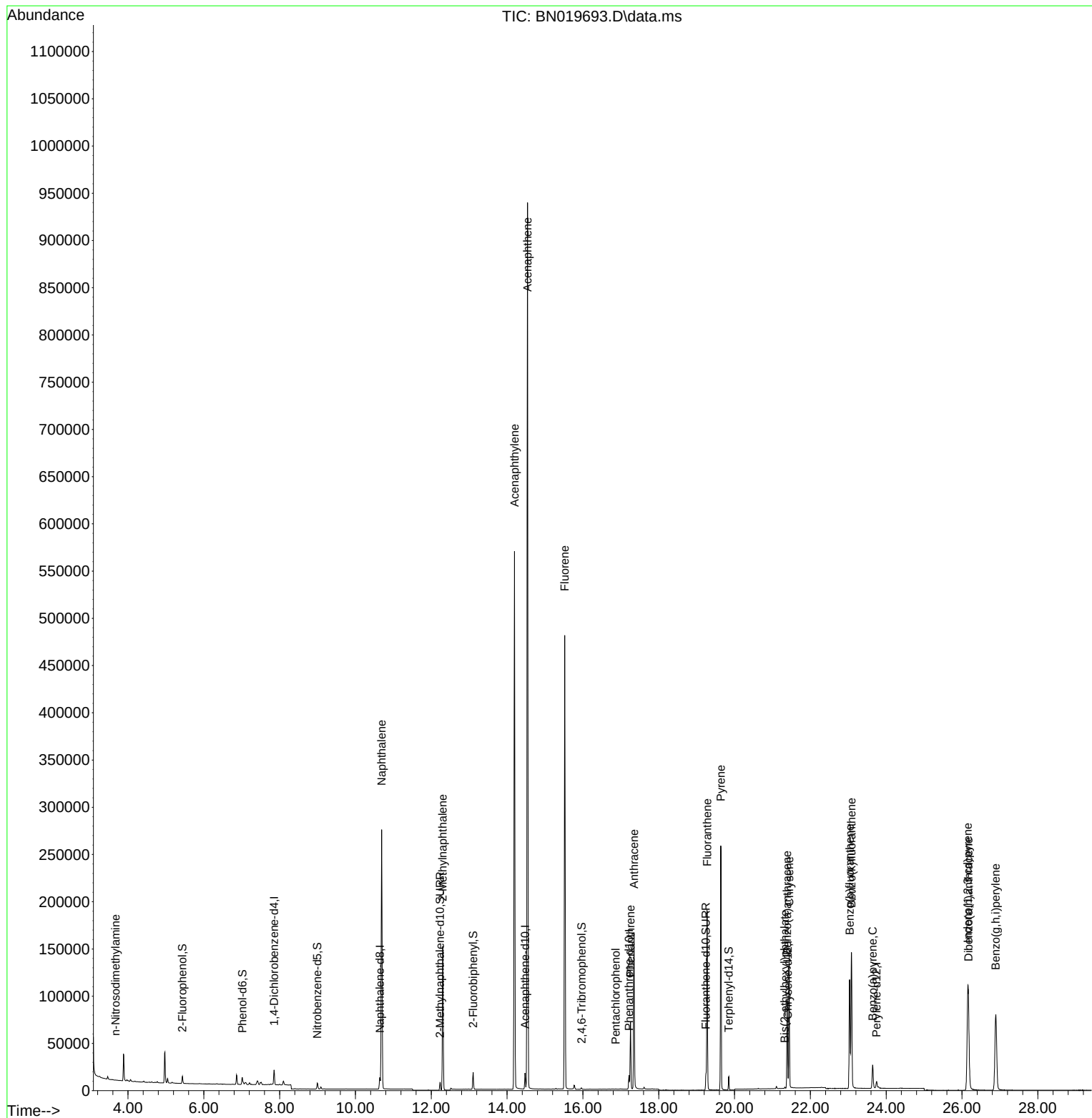
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	5893	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	17151	0.400	ng	# 0.00
13) Acenaphthene-d10	14.474	164	9286	0.400	ng	-0.01
19) Phenanthrene-d10	17.215	188	18592	0.400	ng	0.00
29) Chrysene-d12	21.404	240	13968	0.400	ng	# 0.00
35) Perylene-d12	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						
						Qvalue
3) n-Nitrosodimethylamine	3.673	42	191	0.027	ng	# 18
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
24) Pentachlorophenol	16.867	266	148	0.030	ng	94
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
34) Bis(2-ethylhexyl)phtha...	21.324	149	1536	0.059	ng	98
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

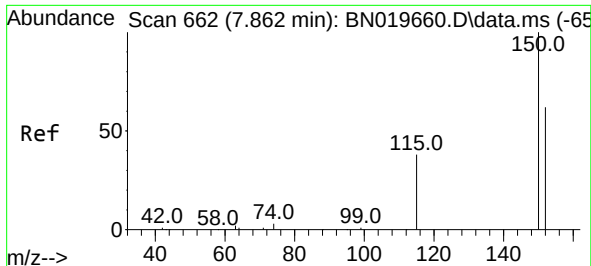
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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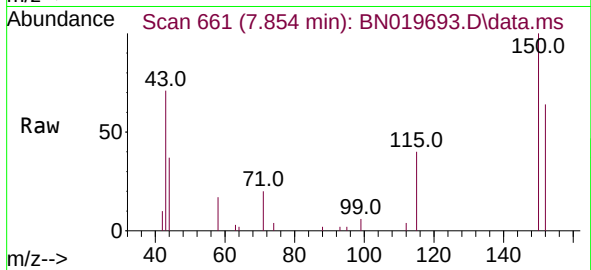
Quant Time: May 05 14:56:14 2022
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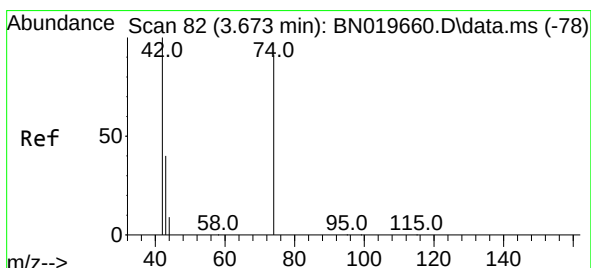
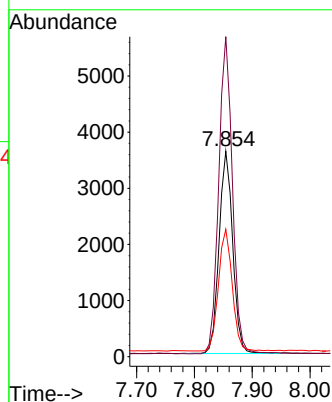
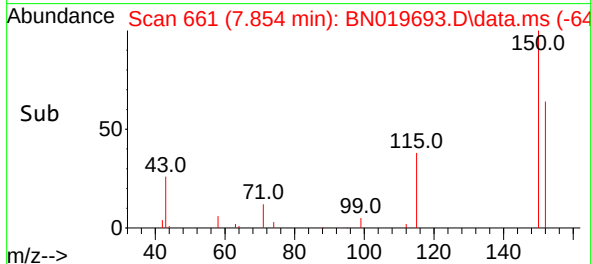


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.854 min Scan# 662
Delta R.T. -0.008 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

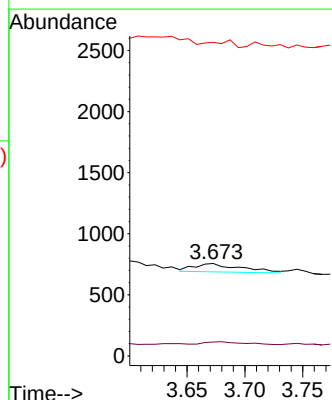
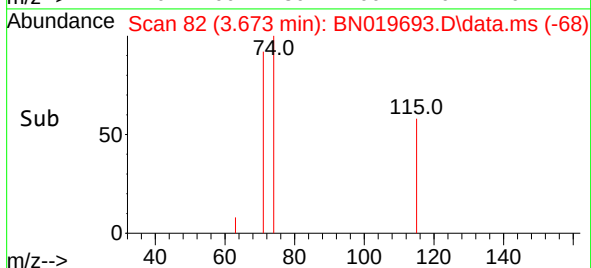
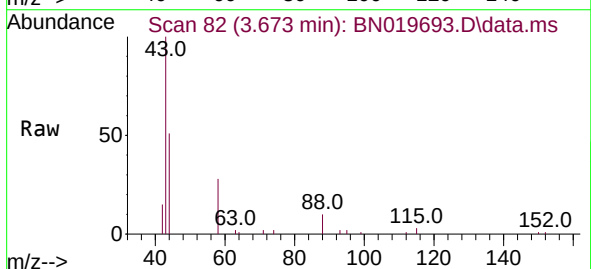


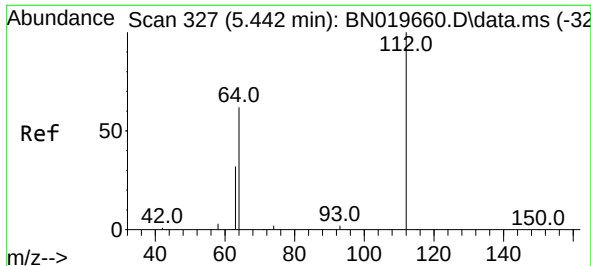
Tgt Ion:152 Resp: 5893
Ion Ratio Lower Upper
152 100
150 155.7 122.6 183.8
115 62.0 49.0 73.6



#3
n-Nitrosodimethylamine
Concen: 0.027 ng
RT: 3.673 min Scan# 82
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

Tgt Ion: 42 Resp: 191
Ion Ratio Lower Upper
42 100
74 28.8 101.8 152.6#
44 23.0 8.4 12.6#

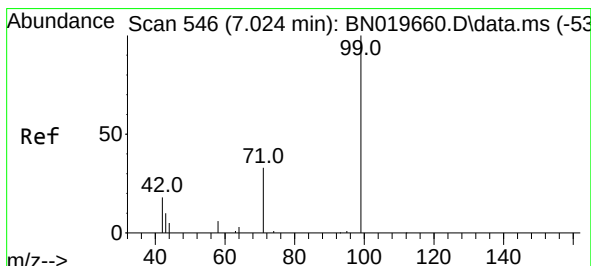
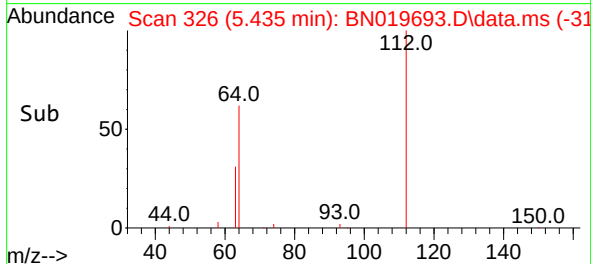
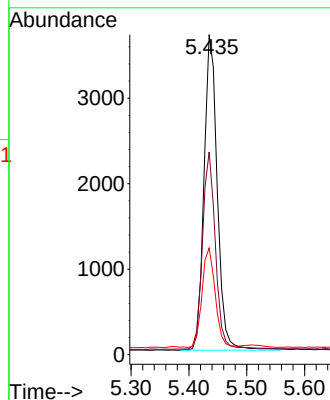
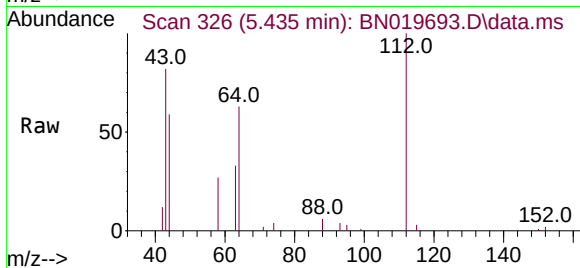




#4
2-Fluorophenol
Concen: 0.430 ng
RT: 5.435 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

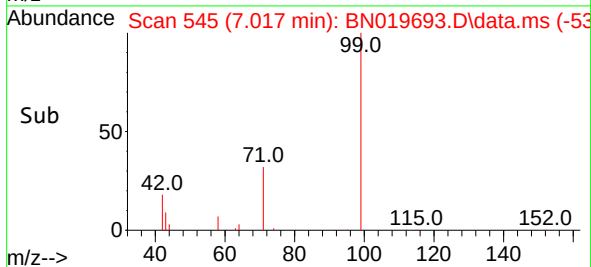
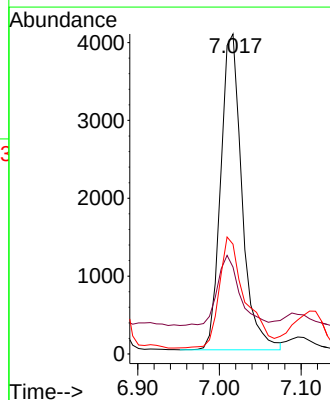
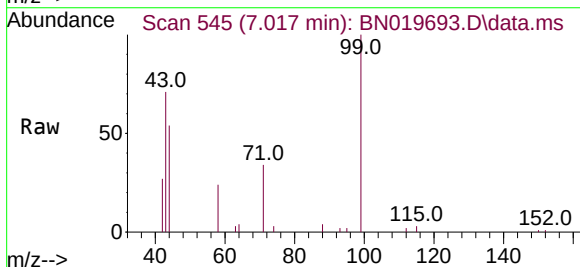
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

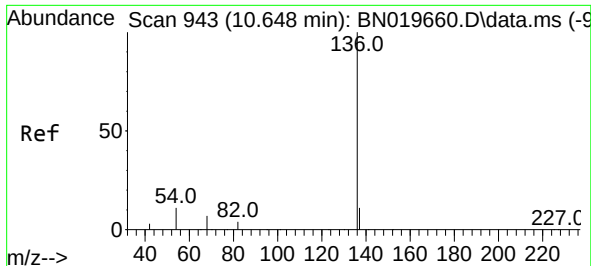
Tgt Ion:112 Resp: 5908
Ion Ratio Lower Upper
112 100
64 61.5 47.3 70.9
63 31.1 24.6 36.8



#5
Phenol-d6
Concen: 0.434 ng
RT: 7.017 min Scan# 545
Delta R.T. -0.007 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

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#

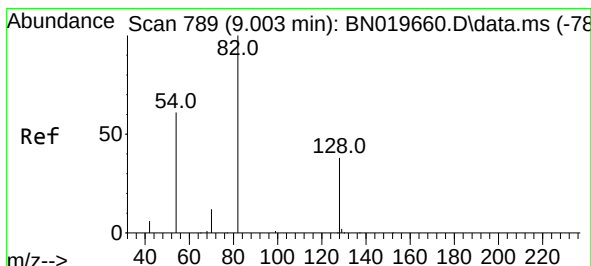
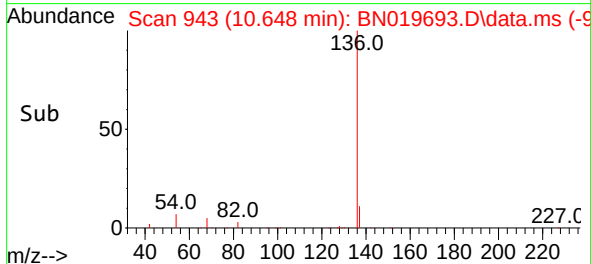
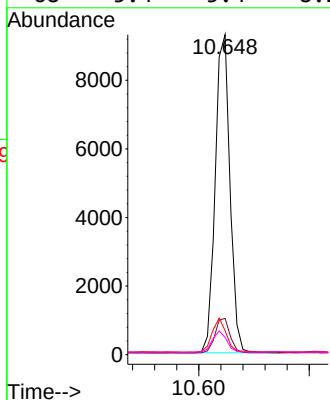
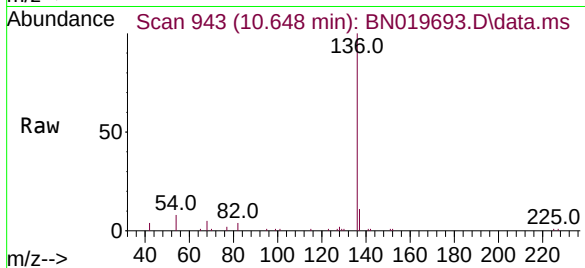




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

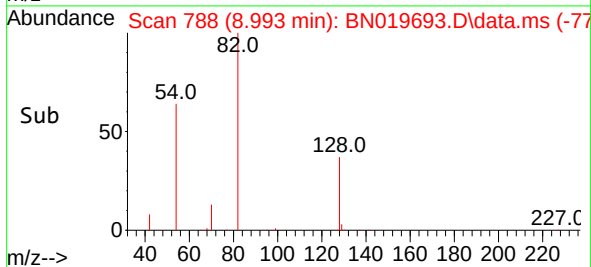
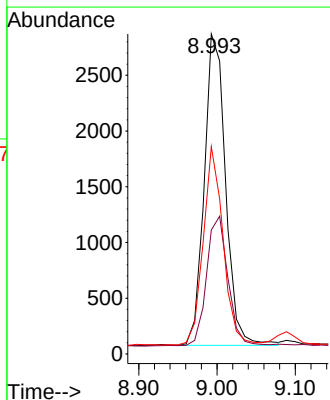
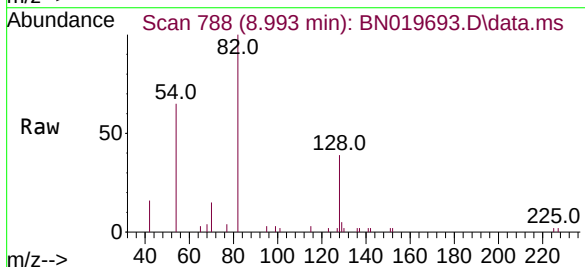
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

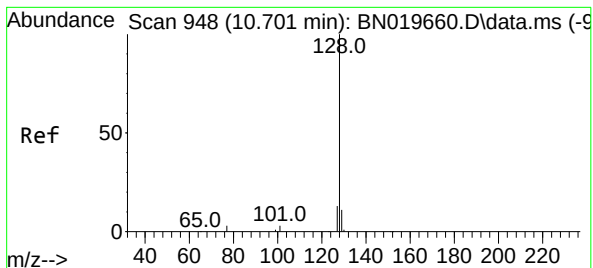
Tgt Ion:	136	Resp:	17151
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.5	7.8	11.6#
68	5.4	5.4	8.2#



#8
Nitrobenzene-d5
Concen: 0.382 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

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# 94

Delta R.T. -0.011 min

Lab File: BN019693.D

Acq: 05 May 2022 12:47

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

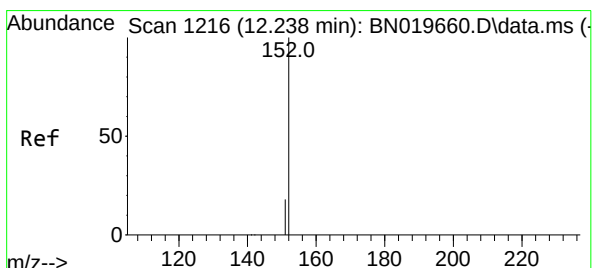
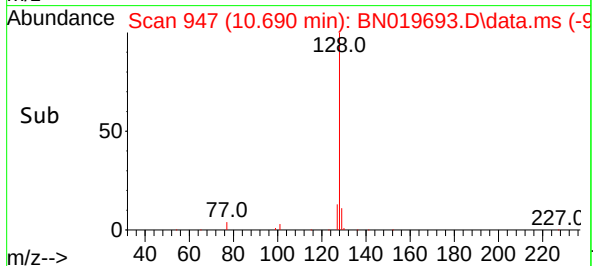
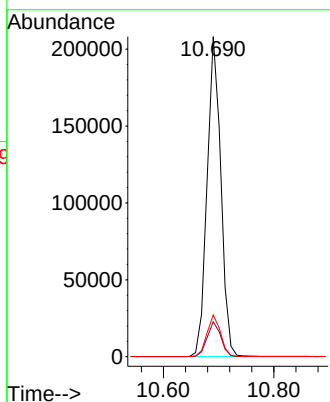
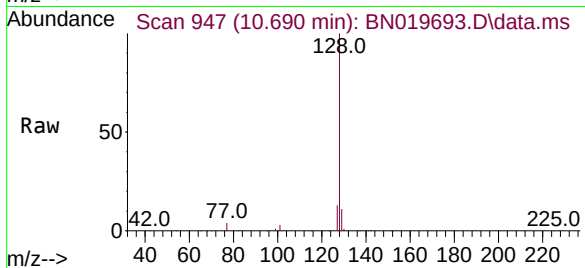
Tgt Ion:128 Resp: 360011

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# 1214

Delta R.T. -0.008 min

Lab File: BN019693.D

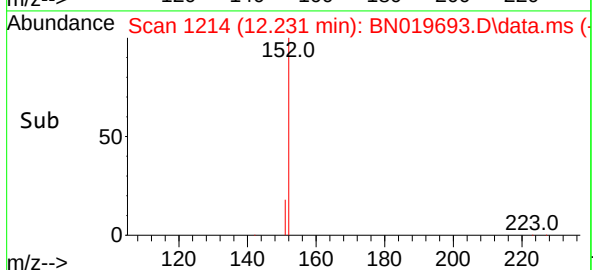
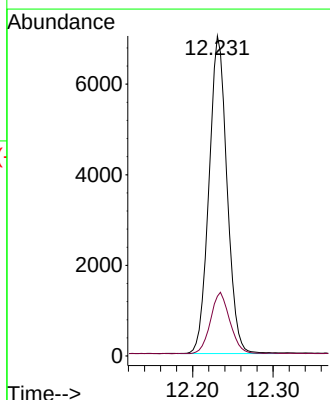
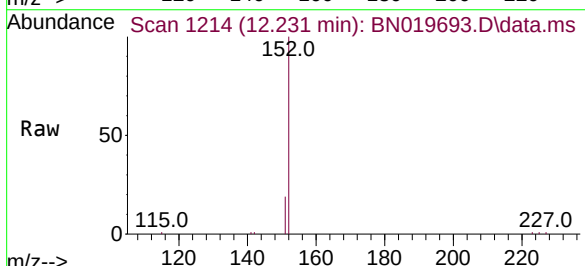
Acq: 05 May 2022 12:47

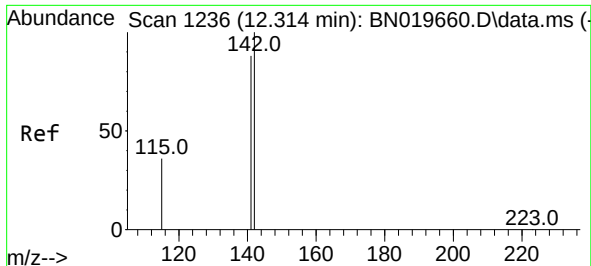
Tgt Ion:152 Resp: 10904

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.4

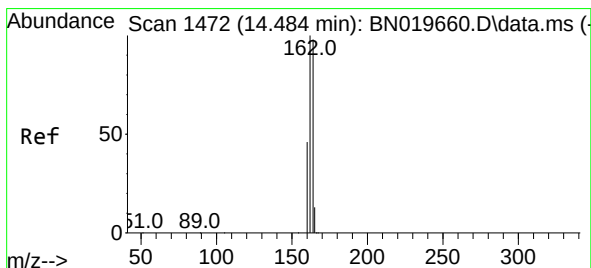
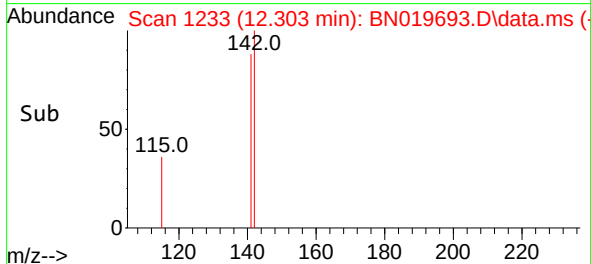
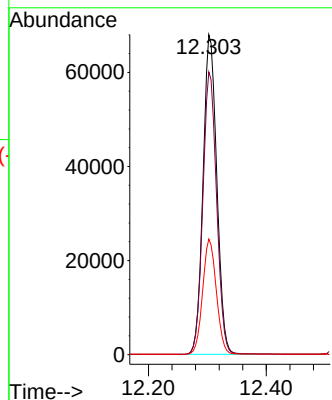
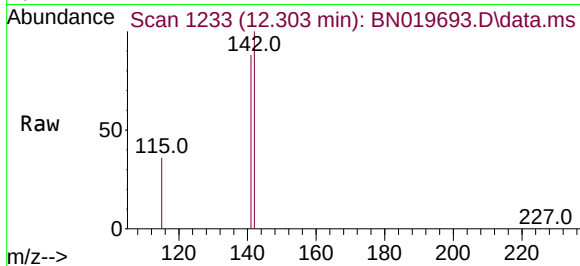




#12
2-Methylnaphthalene
Concen: 3.419 ng
RT: 12.303 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

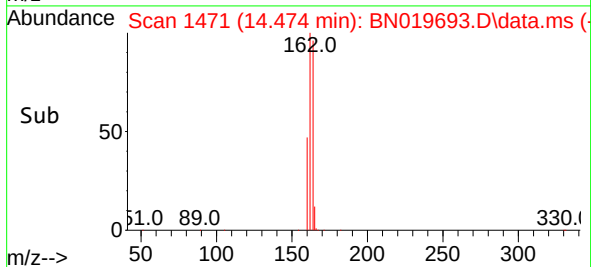
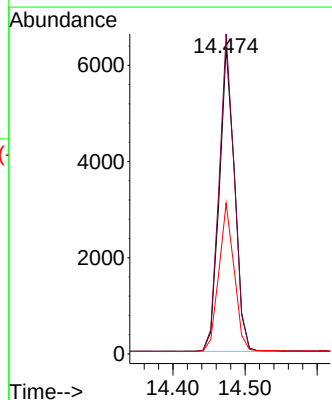
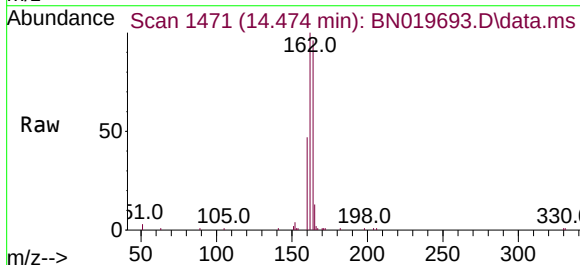
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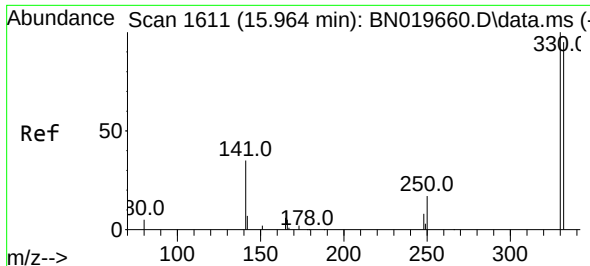
Tgt Ion:142 Resp: 110026
Ion Ratio Lower Upper
142 100
141 88.4 71.0 106.6
115 36.2 29.6 44.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

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

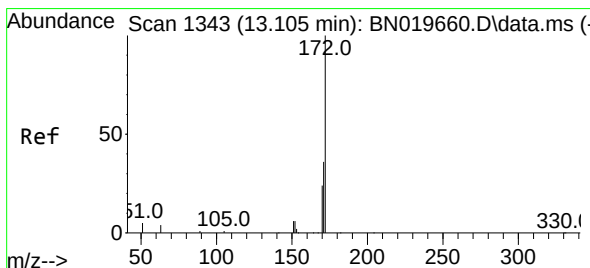
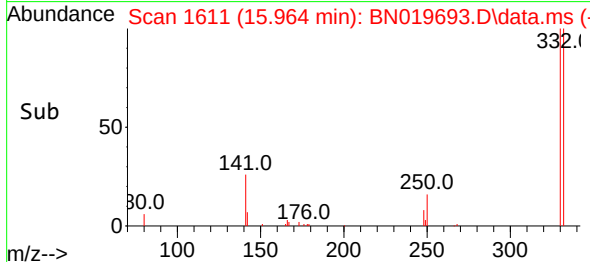
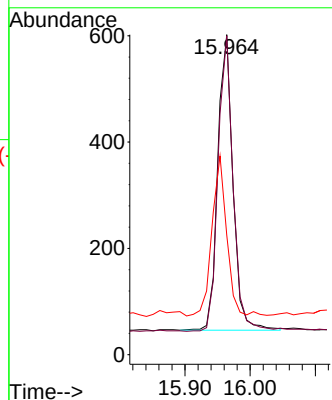
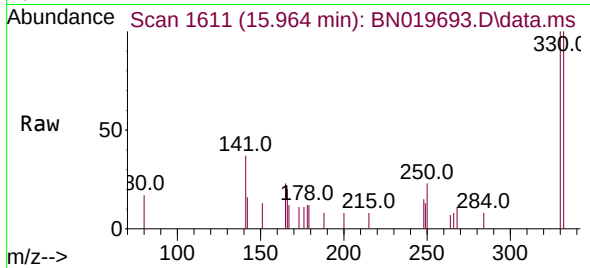




#14
2,4,6-Tribromophenol
Concen: 0.263 ng
RT: 15.964 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

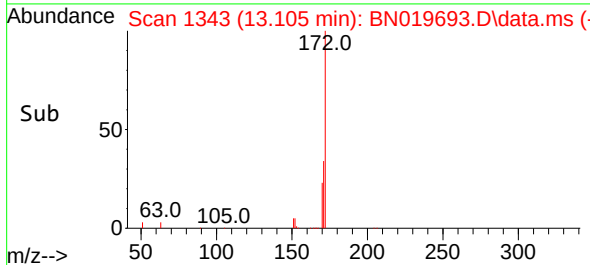
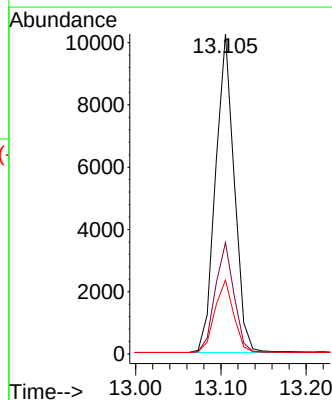
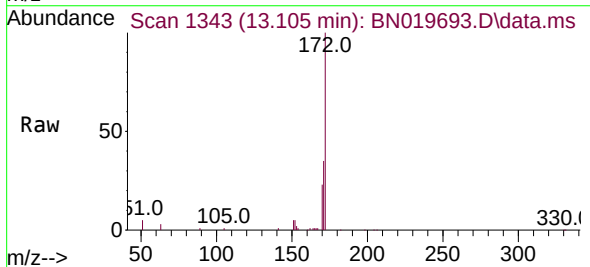
Instrument :
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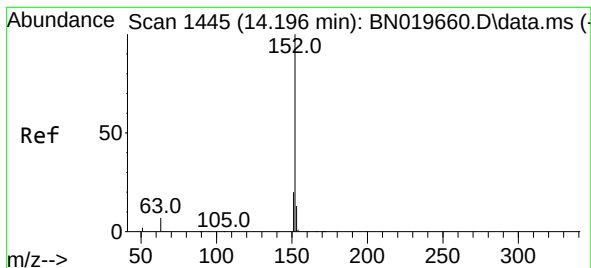
Tgt Ion: 330 Resp: 903
Ion Ratio Lower Upper
330 100
332 99.6 76.2 114.4
141 51.5 39.7 59.5



#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

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

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

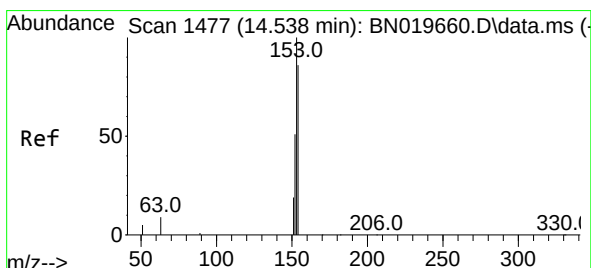
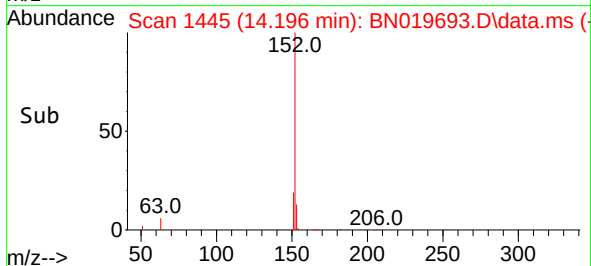
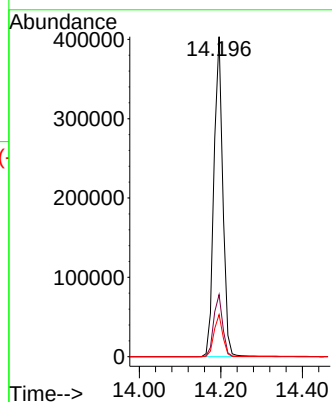
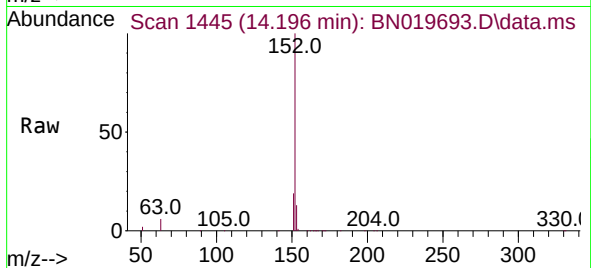
Tgt Ion:152 Resp: 609115

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

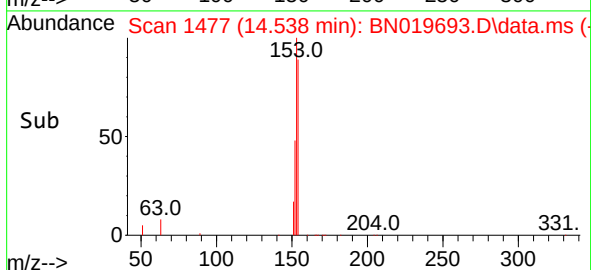
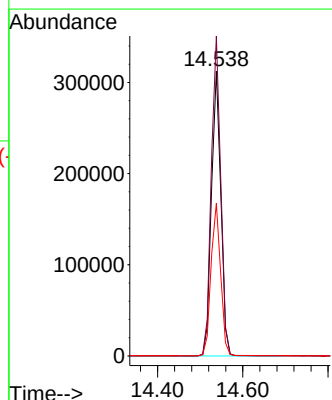
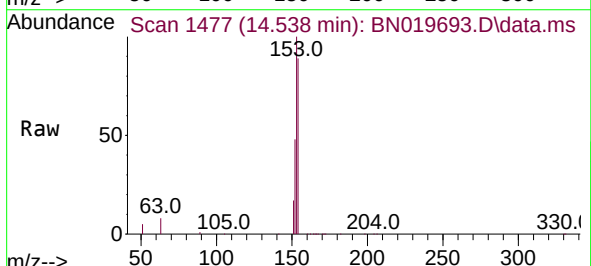
Tgt Ion:154 Resp: 477846

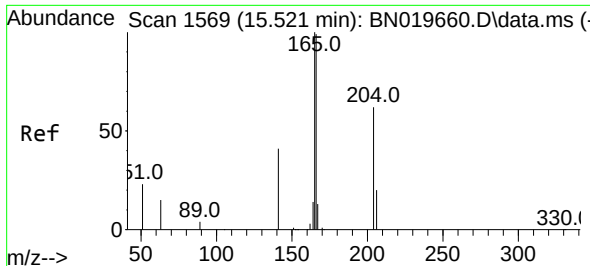
Ion Ratio Lower Upper

154 100

153 113.0 89.3 133.9

152 54.6 44.1 66.1

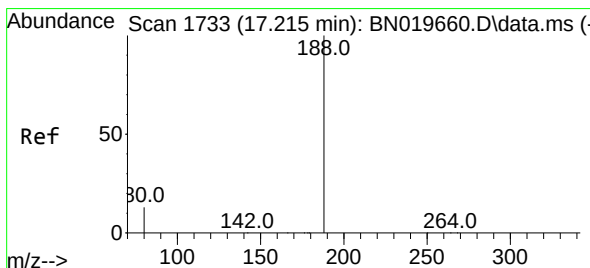
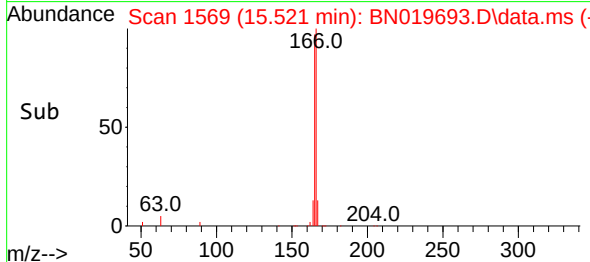
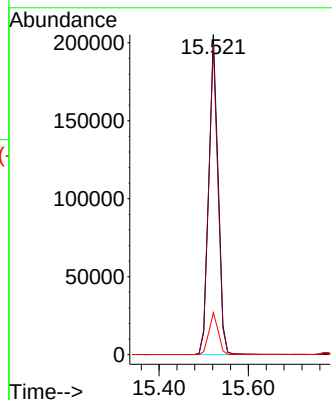
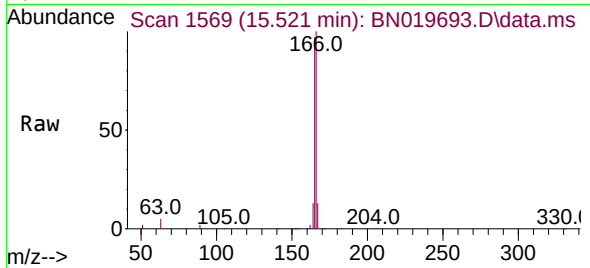




#18
Fluorene
Concen: 7.823 ng
RT: 15.521 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

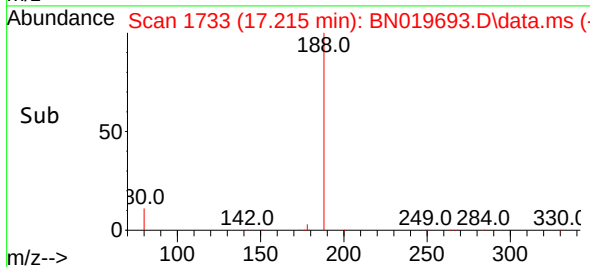
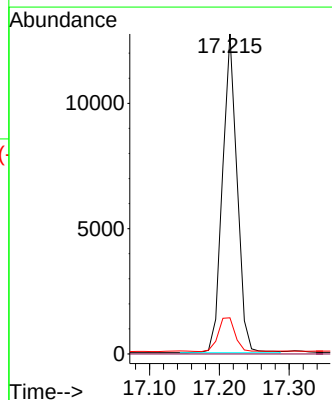
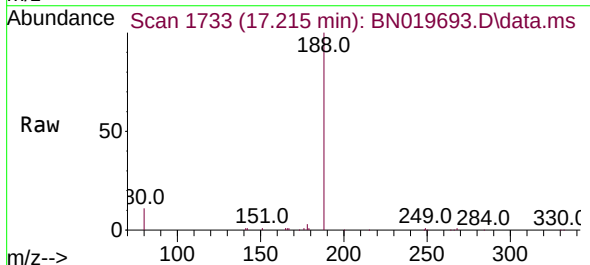
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

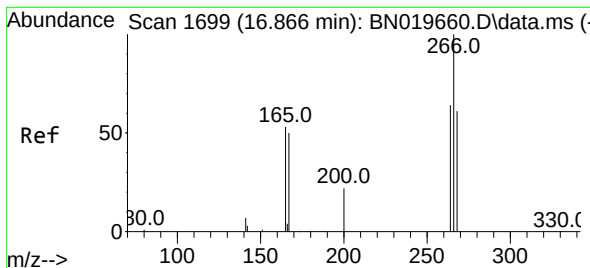
Tgt Ion:166 Resp: 296248
Ion Ratio Lower Upper
166 100
165 97.4 79.1 118.7
167 13.2 10.7 16.1



#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

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





#24

Pentachlorophenol

Concen: 0.030 ng

RT: 16.867 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN019693.D

Acq: 05 May 2022 12:47

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

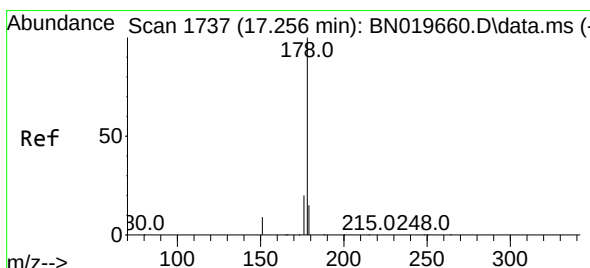
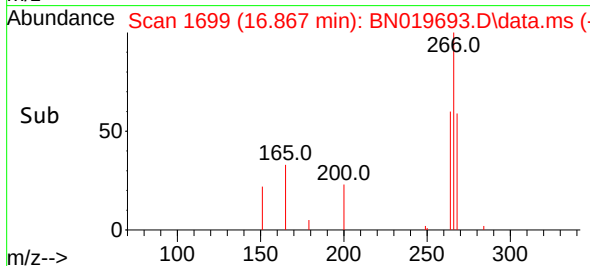
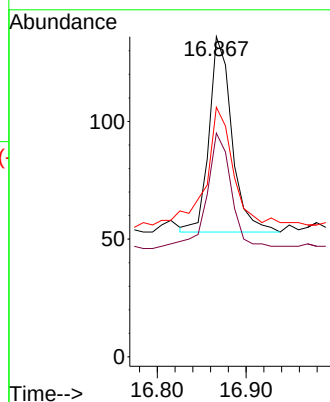
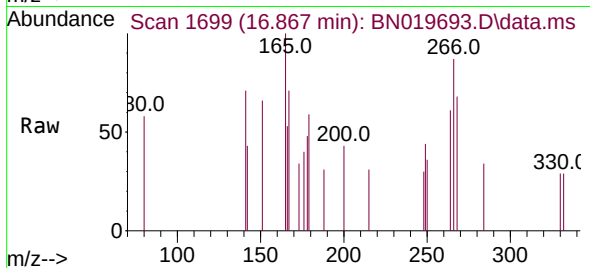
Tgt Ion:266 Resp: 148

Ion Ratio Lower Upper

266 100

264 64.9 48.0 72.0

268 71.6 54.2 81.2



#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

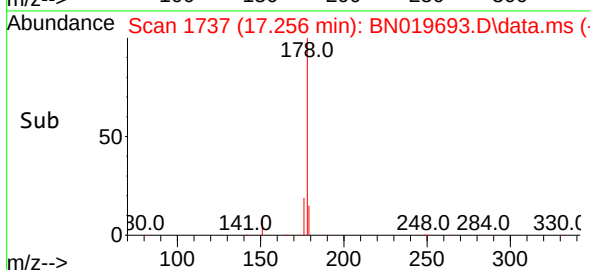
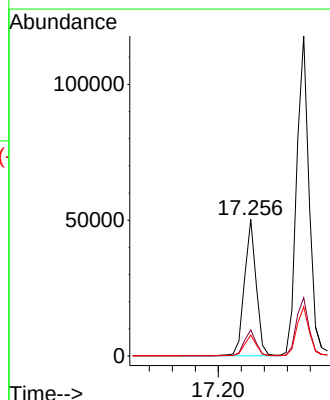
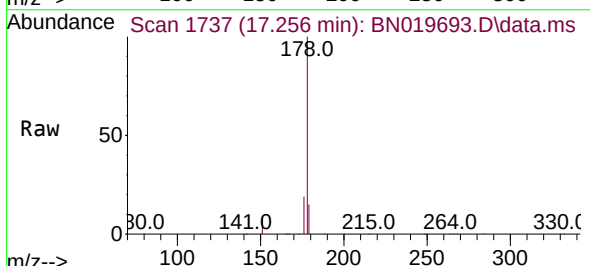
Tgt Ion:178 Resp: 71614

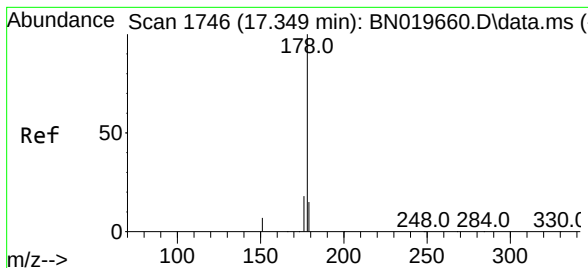
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.2 12.1 18.1

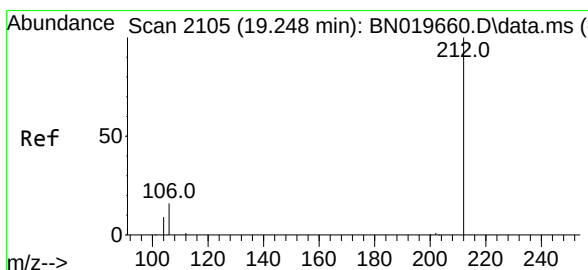
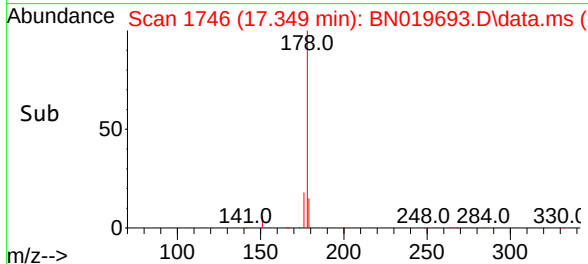
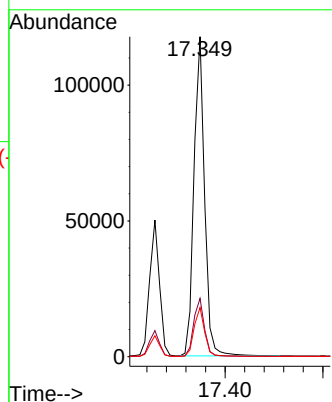
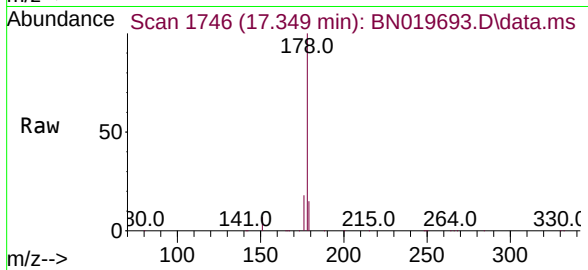




#26
 Anthracene
 Concen: 3.384 ng
 RT: 17.349 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019693.D
 Acq: 05 May 2022 12:47

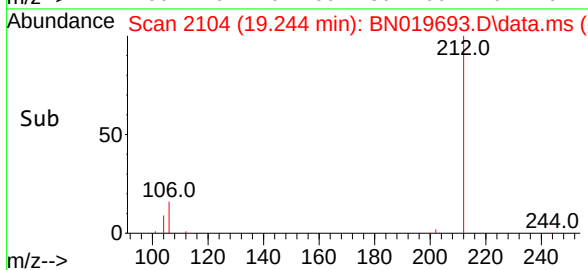
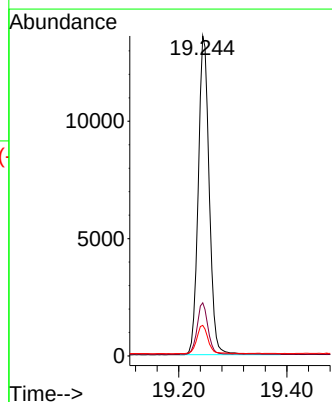
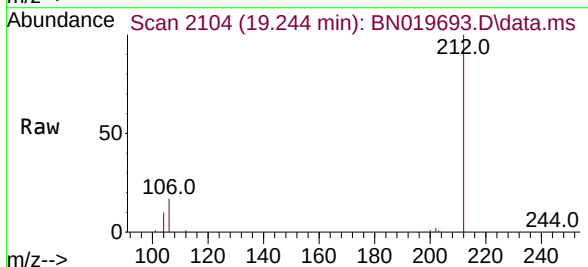
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

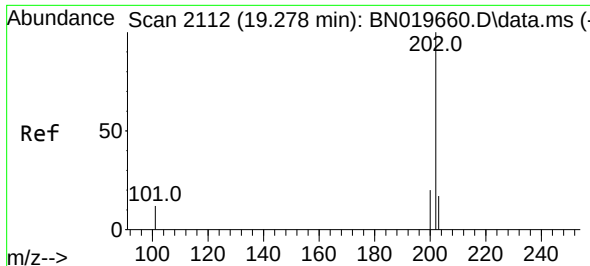
Tgt Ion:178 Resp: 177059
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.3 21.5
 179 15.3 12.2 18.4



#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

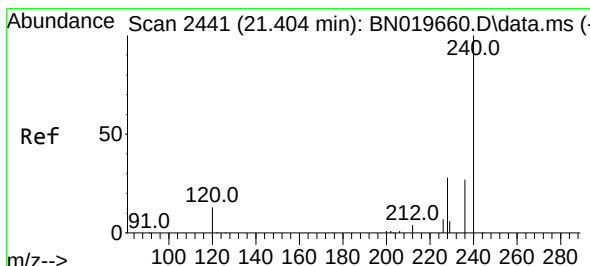
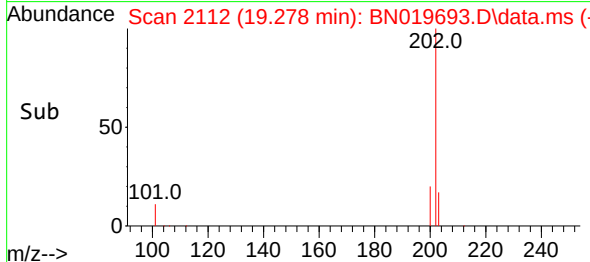
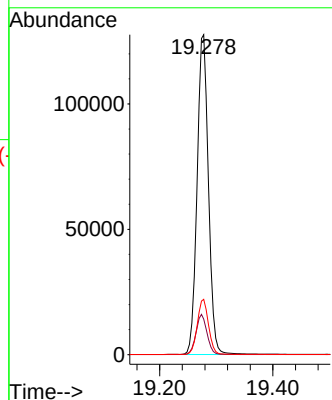
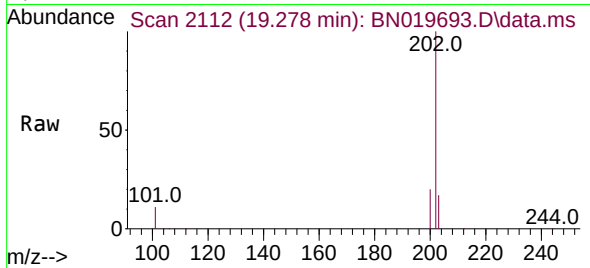




#28
Fluoranthene
Concen: 2.765 ng
RT: 19.278 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

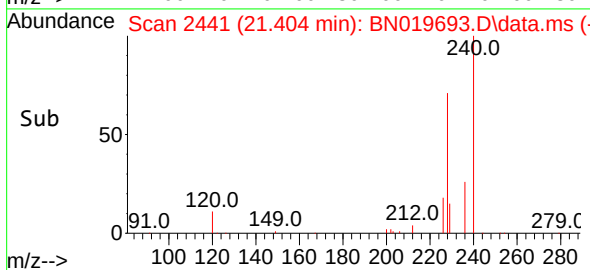
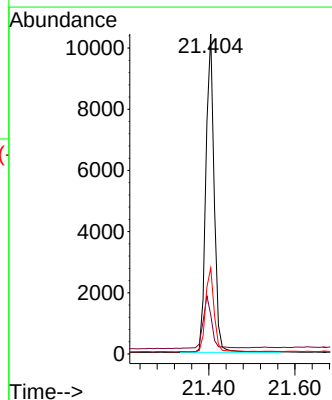
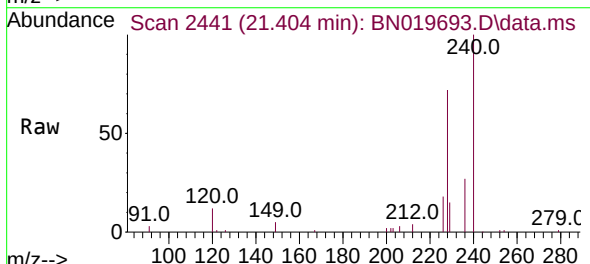
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

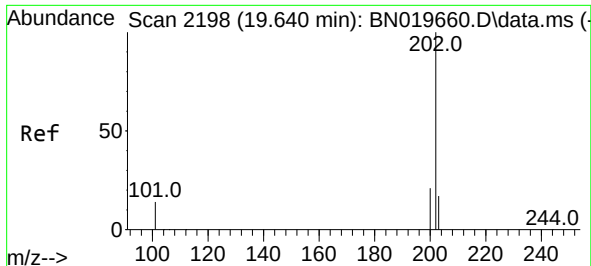
Tgt Ion:202 Resp: 177994
Ion Ratio Lower Upper
202 100
101 12.1 10.6 15.8
203 17.0 13.6 20.4



#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

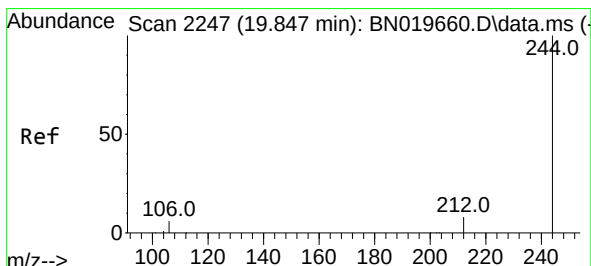
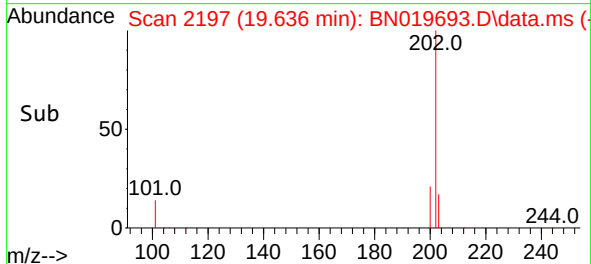
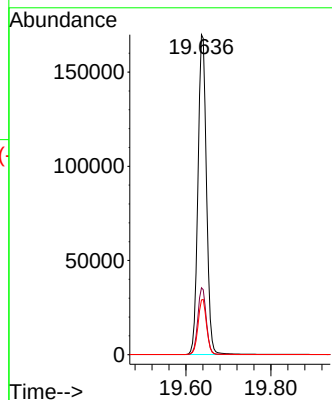
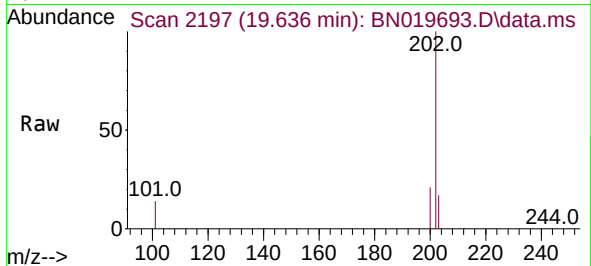




#30
 Pyrene
 Concen: 4.075 ng
 RT: 19.636 min Scan# 2197
 Delta R.T. -0.004 min
 Lab File: BN019693.D
 Acq: 05 May 2022 12:47

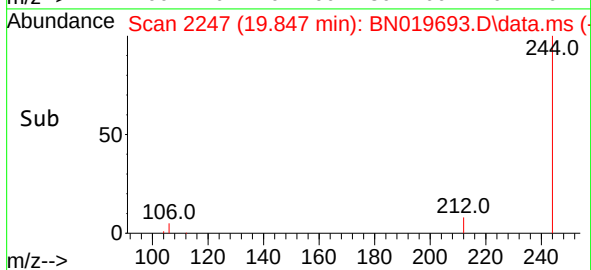
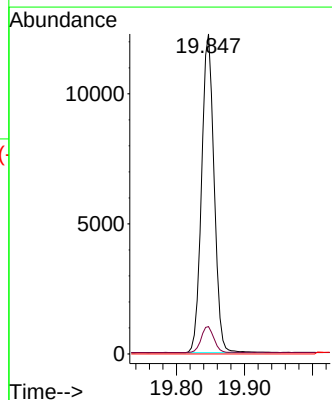
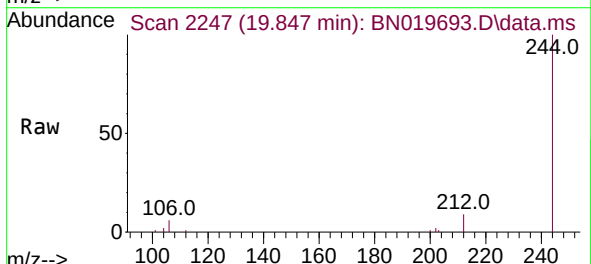
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

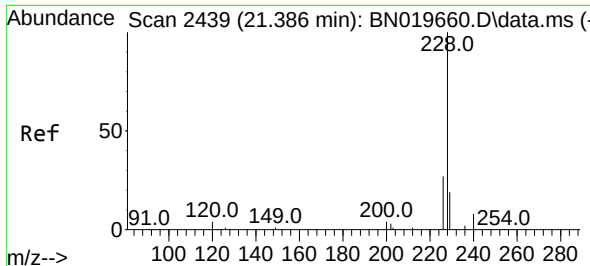
Tgt Ion:202 Resp: 235307
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.7 25.1
 203 17.2 14.2 21.4



#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

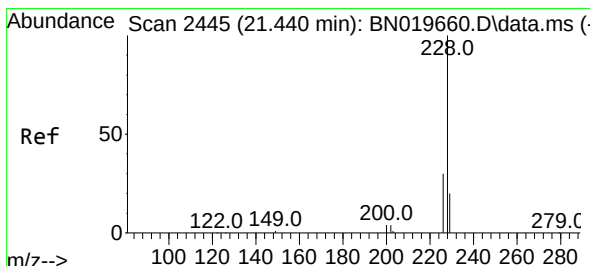
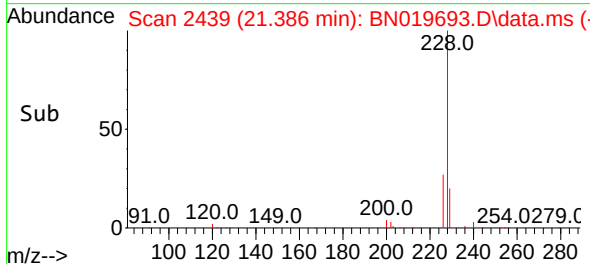
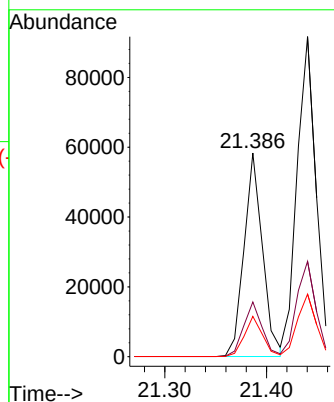
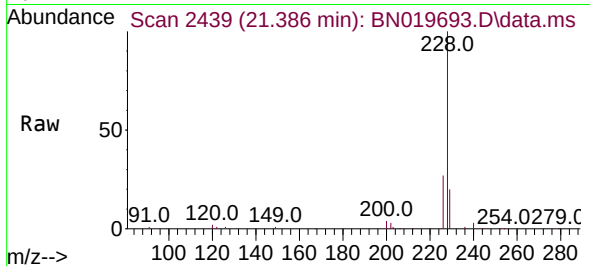




#32
Benzo(a)anthracene
Concen: 1.483 ng
RT: 21.386 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

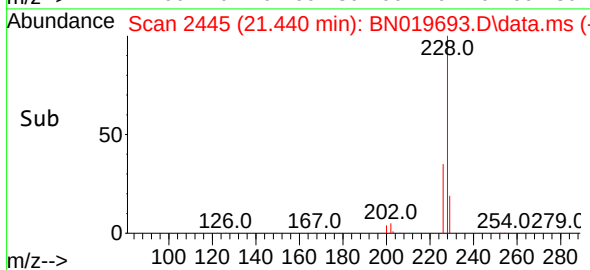
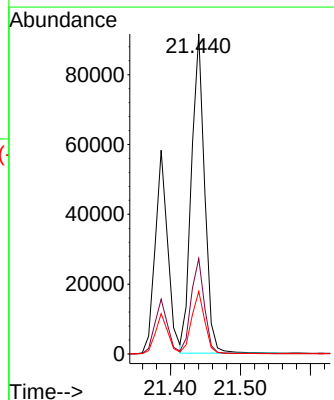
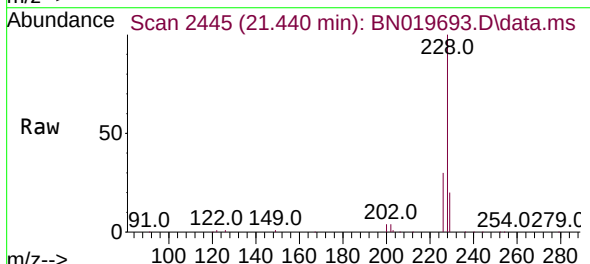
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

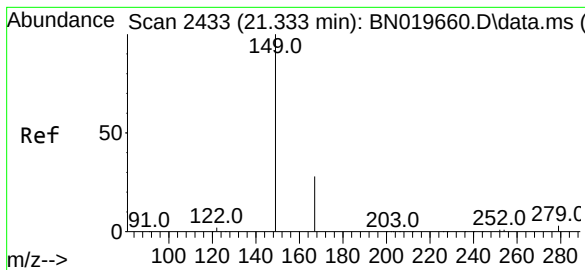
Tgt Ion:228 Resp: 73428
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 19.8 16.5 24.7



#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

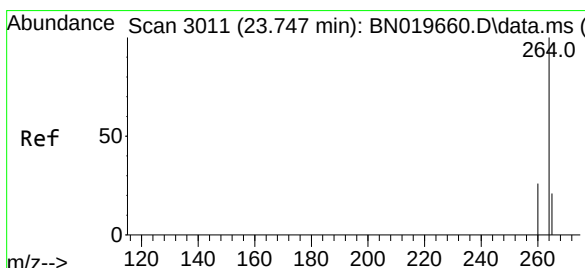
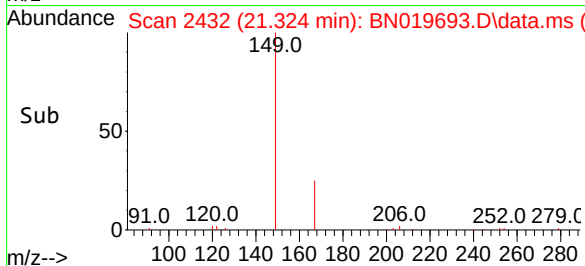
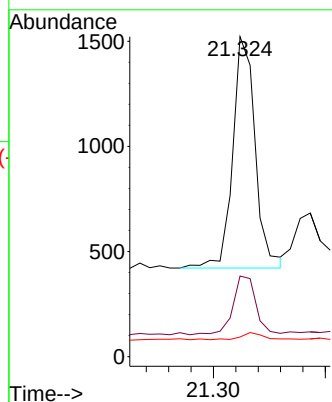
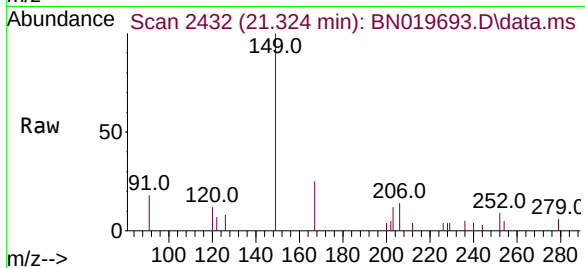




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.059 ng
 RT: 21.324 min Scan# 2433
 Delta R.T. -0.009 min
 Lab File: BN019693.D
 Acq: 05 May 2022 12:47

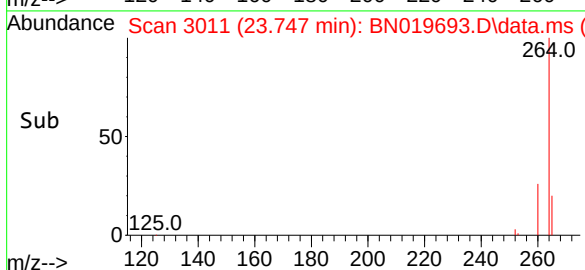
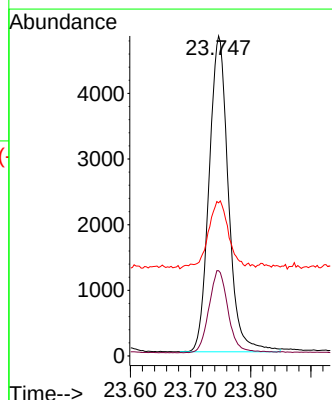
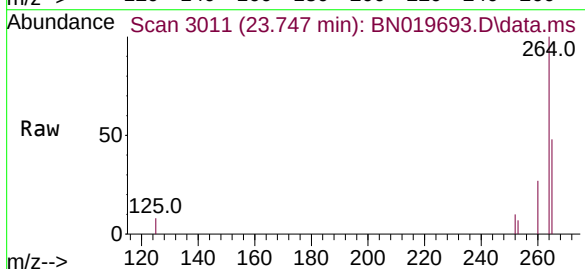
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

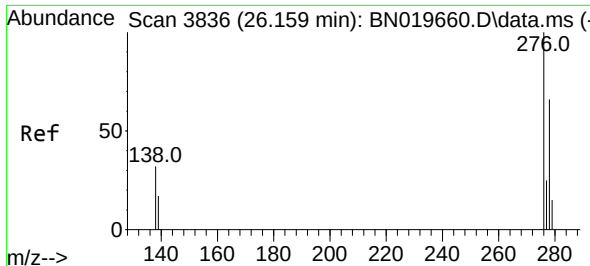
Tgt Ion:149 Resp: 1536
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.7 32.5
 279 3.3 2.8 4.2



#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

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#

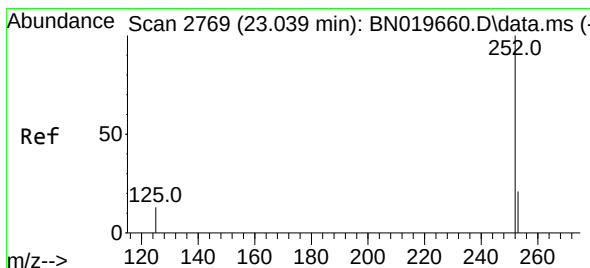
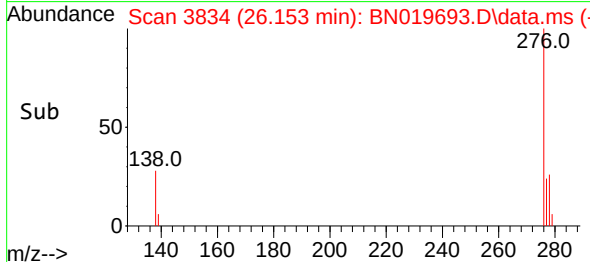
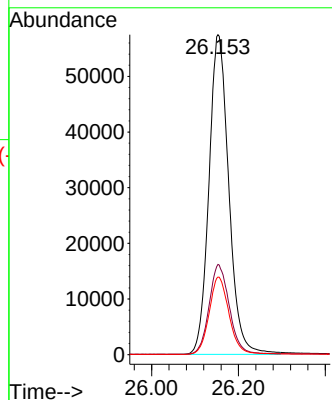
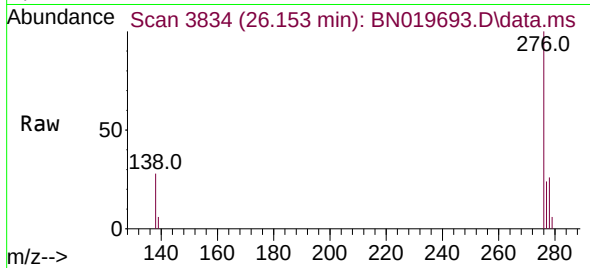




#36
Indeno(1,2,3-cd)pyrene
Concen: 3.741 ng
RT: 26.153 min Scan# 31
Delta R.T. -0.006 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

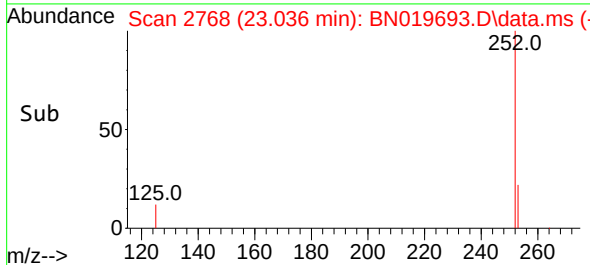
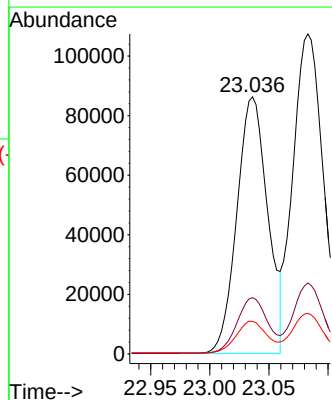
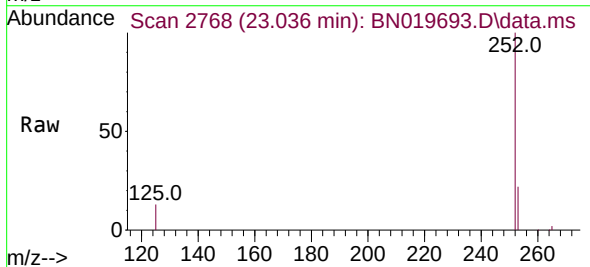
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

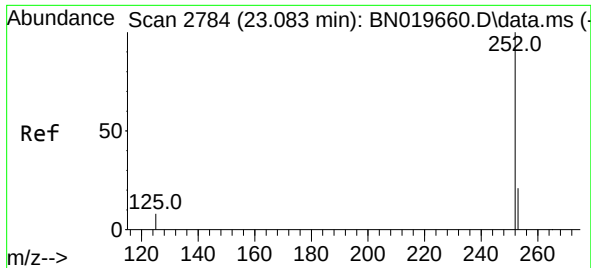
Tgt Ion:276 Resp: 182396
Ion Ratio Lower Upper
276 100
138 28.7 26.6 40.0
277 24.2 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 3.528 ng
RT: 23.036 min Scan# 2768
Delta R.T. -0.003 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

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#

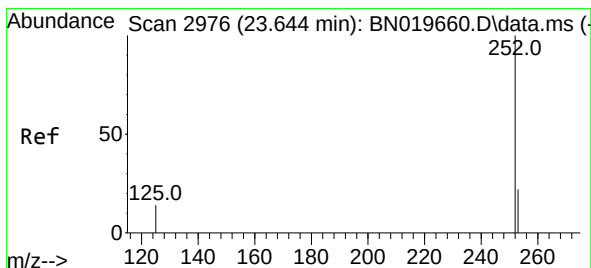
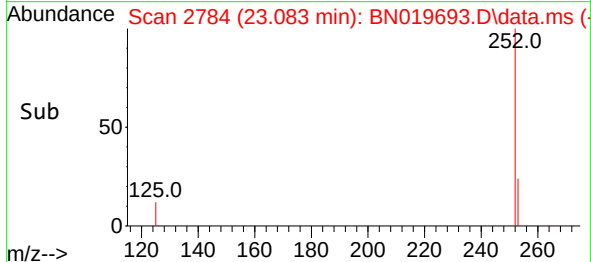
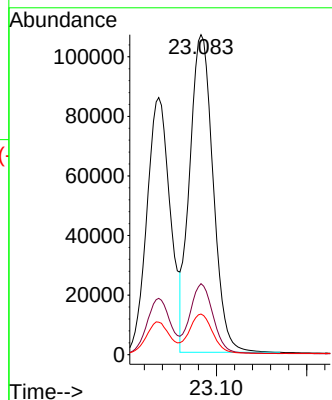
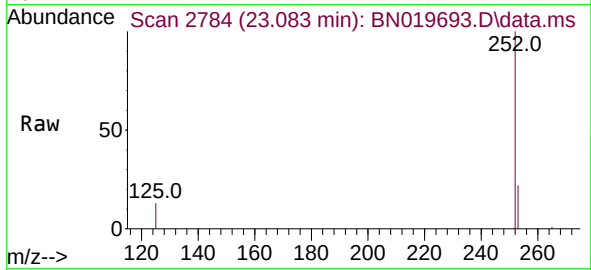




#38
Benzo(k)fluoranthene
Concen: 4.089 ng
RT: 23.083 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

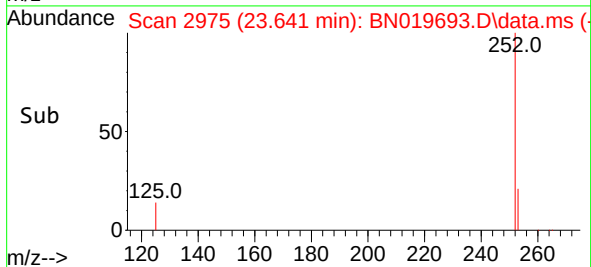
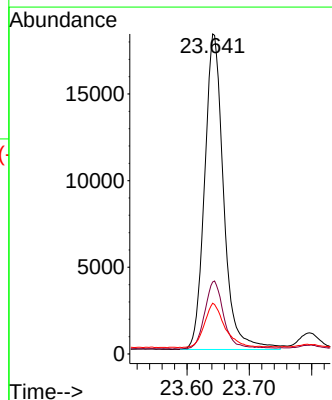
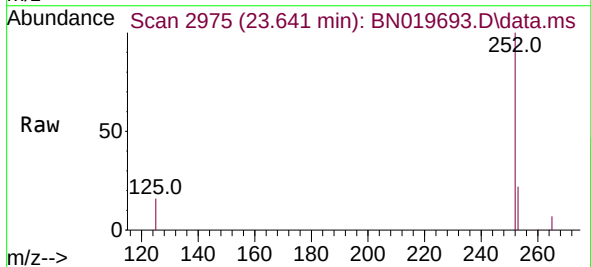
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

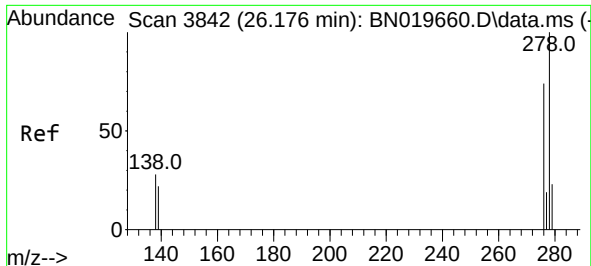
Tgt Ion:252 Resp: 191862
Ion Ratio Lower Upper
252 100
253 22.2 21.7 32.5
125 12.7 17.0 25.4#



#39
Benzo(a)pyrene
Concen: 1.148 ng
RT: 23.641 min Scan# 2975
Delta R.T. -0.003 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

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#

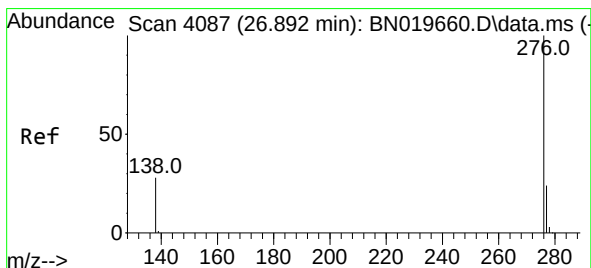
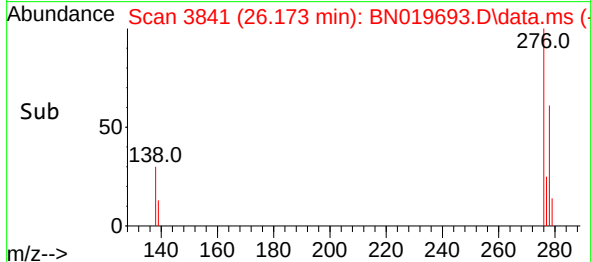
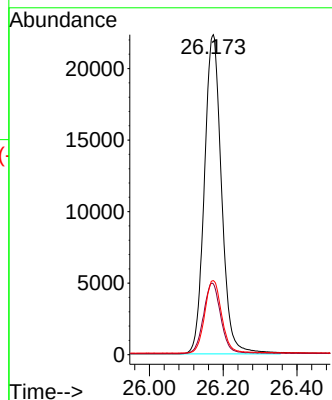
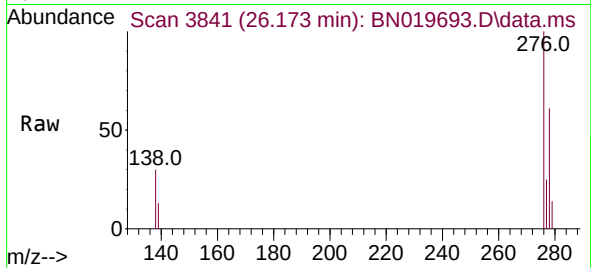




#40
Dibenzo(a,h)anthracene
Concen: 1.815 ng
RT: 26.173 min Scan# 3842
Delta R.T. -0.003 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion: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# 4087
Delta R.T. 0.000 min
Lab File: BN019693.D
Acq: 05 May 2022 12:47

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

