

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050422\
 Data File : BN019694.D
 Acq On : 05 May 2022 13:46
 Operator : CG/JU
 Sample : N1870-21DL 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

Quant Time: May 05 14:56:33 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)

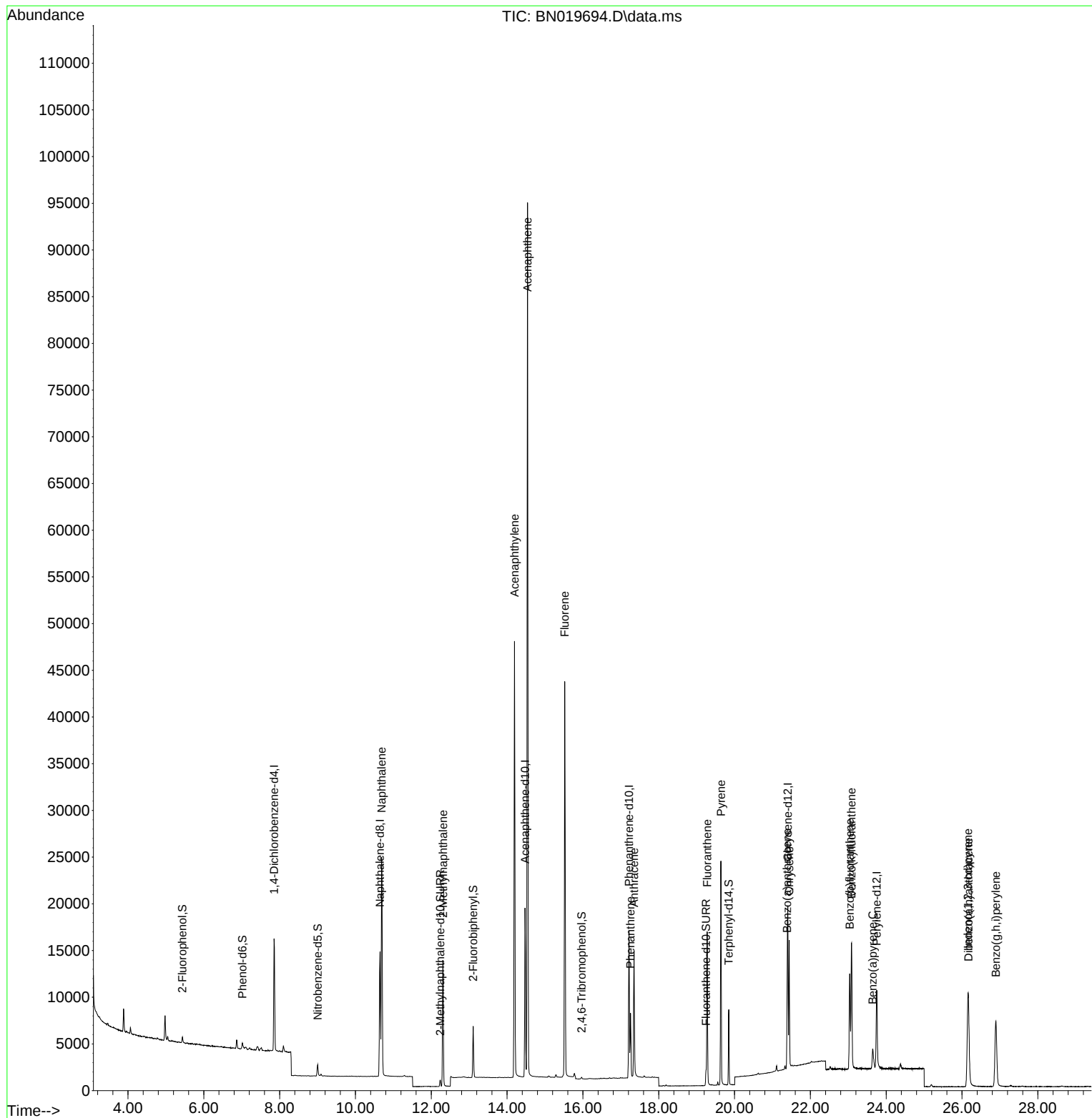
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	6197	0.400	ng	0.00
7) Naphthalene-d8	10.647	136	18578	0.400	ng	0.00
13) Acenaphthene-d10	14.474	164	10390	0.400	ng	-0.01
19) Phenanthrene-d10	17.215	188	20897	0.400	ng	0.00
29) Chrysene-d12	21.404	240	14722	0.400	ng	# 0.00
35) Perylene-d12	23.749	264	12495	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	523	0.036	ng	0.00
5) Phenol-d6	7.016	99	628	0.035	ng	0.00
8) Nitrobenzene-d5	9.003	82	1088	0.072	ng	0.00
11) 2-Methylnaphthalene-d10	12.234	152	1032	0.034	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	102	0.027	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	4848	0.108	ng	0.00
27) Fluoranthene-d10	19.248	212	1833	0.032	ng	0.00
31) Terphenyl-d14	19.847	244	9071	0.263	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.690	128	33219	0.625	ng	100
12) 2-Methylnaphthalene	12.310	142	10027	0.288	ng	98
16) Acenaphthylene	14.196	152	51236	1.022	ng	99
17) Acenaphthene	14.538	154	46232	1.340	ng	99
18) Fluorene	15.521	166	26840	0.633	ng	99
25) Phenanthrene	17.256	178	7086	0.102	ng	99
26) Anthracene	17.348	178	15019	0.255	ng	99
28) Fluoranthene	19.278	202	16060	0.222	ng	99
30) Pyrene	19.640	202	21843	0.359	ng	100
32) Benzo(a)anthracene	21.386	228	6357	0.122	ng	98
33) Chrysene	21.440	228	11058	0.194	ng	100
36) Indeno(1,2,3-cd)pyrene	26.158	276	16866	0.297	ng	95
37) Benzo(b)fluoranthene	23.039	252	13862	0.268	ng	95
38) Benzo(k)fluoranthene	23.086	252	18213	0.333	ng	# 92
39) Benzo(a)pyrene	23.641	252	3606	0.092	ng	# 88
40) Dibenzo(a,h)anthracene	26.173	278	6688	0.145	ng	97
41) Benzo(g,h,i)perylene	26.895	276	15723	0.343	ng	99

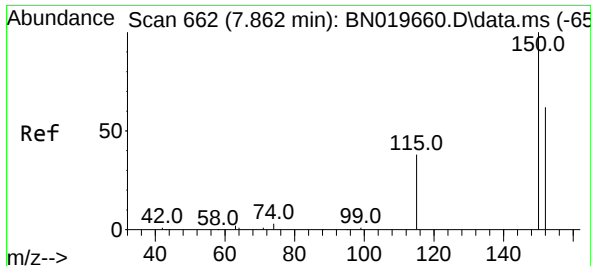
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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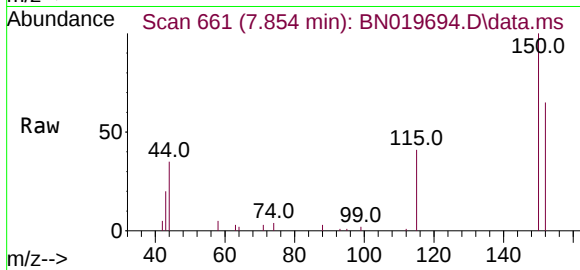
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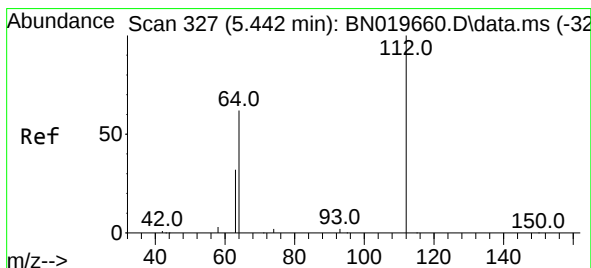
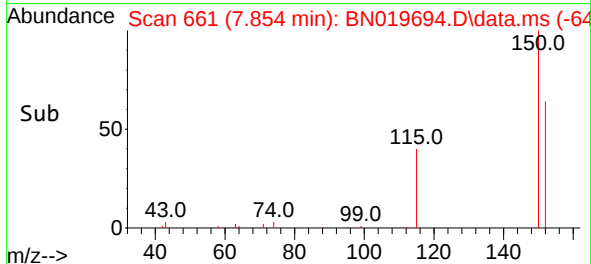
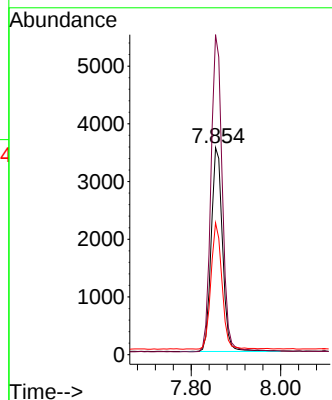


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.854 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

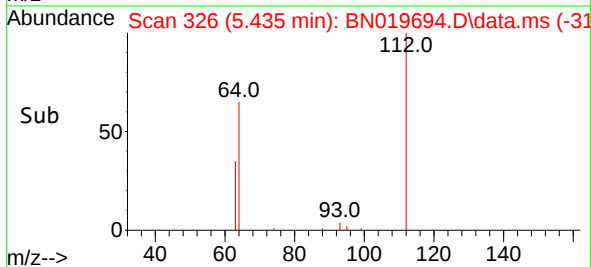
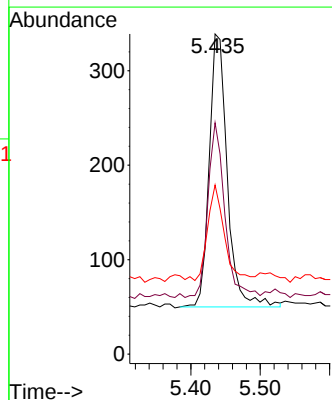
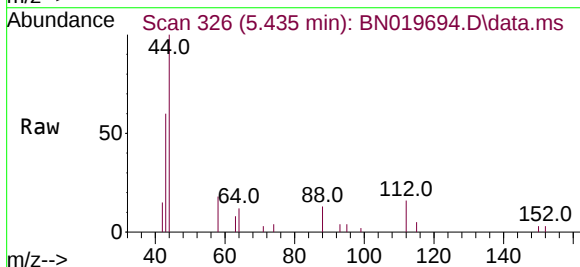


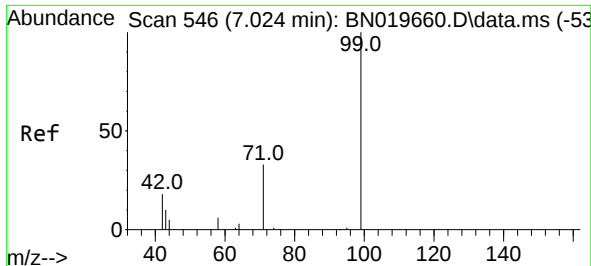
Tgt Ion:152 Resp: 6197
Ion Ratio Lower Upper
152 100
150 154.5 122.6 183.8
115 63.7 49.0 73.6



#4
2-Fluorophenol
Concen: 0.036 ng
RT: 5.435 min Scan# 326
Delta R.T. -0.007 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

Tgt Ion:112 Resp: 523
Ion Ratio Lower Upper
112 100
64 59.7 47.3 70.9
63 32.9 24.6 36.8

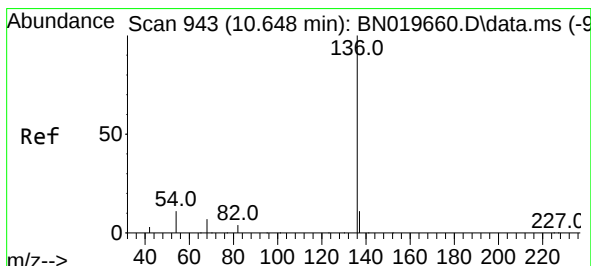
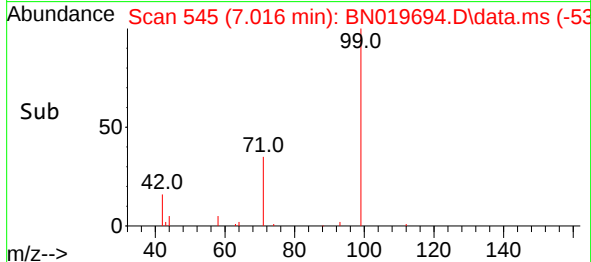
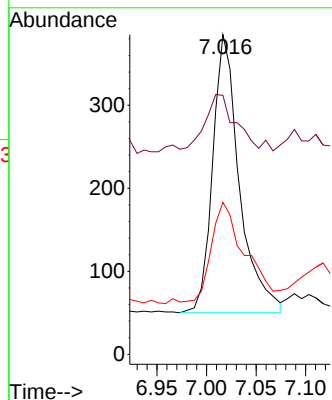
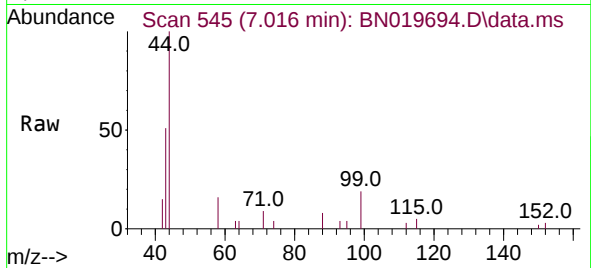




#5
Phenol-d6
Concen: 0.035 ng
RT: 7.016 min Scan# 546
Delta R.T. -0.007 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

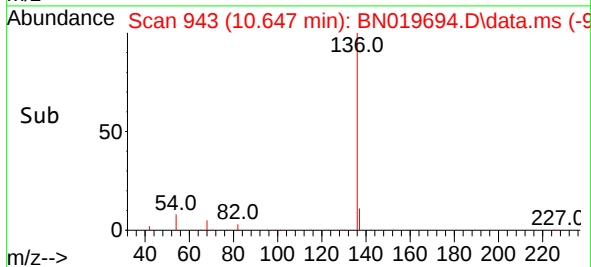
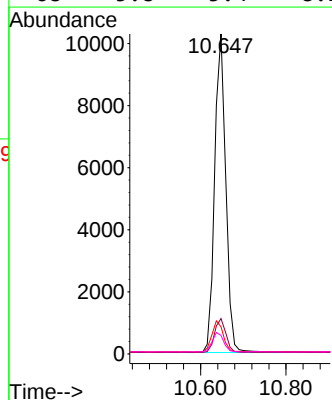
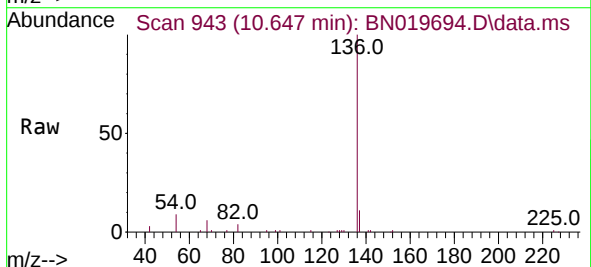
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

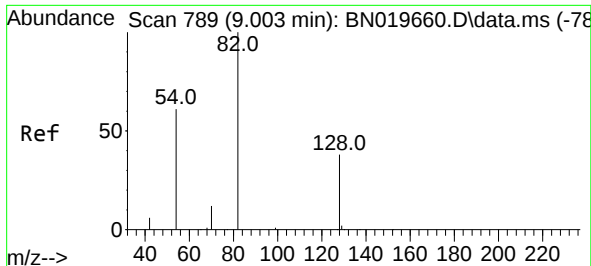
Tgt Ion: 99 Resp: 628
Ion Ratio Lower Upper
99 100
42 24.0 15.8 23.8#
71 45.4 26.5 39.7#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.647 min Scan# 943
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

Tgt Ion: 136 Resp: 18578
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 8.5 7.8 11.6
68 5.8 5.4 8.2

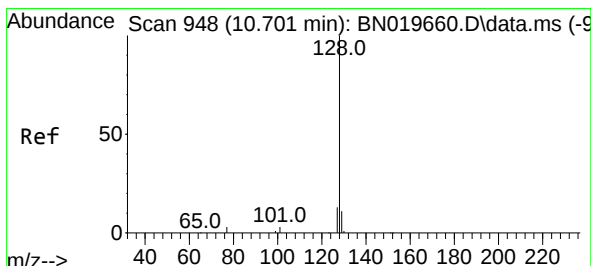
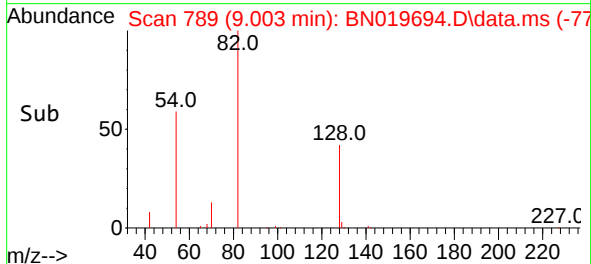
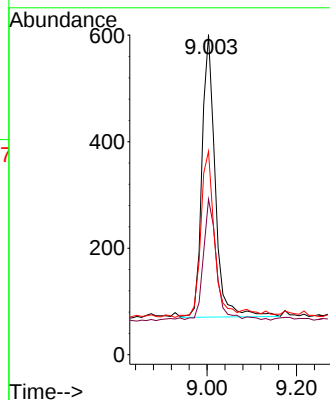
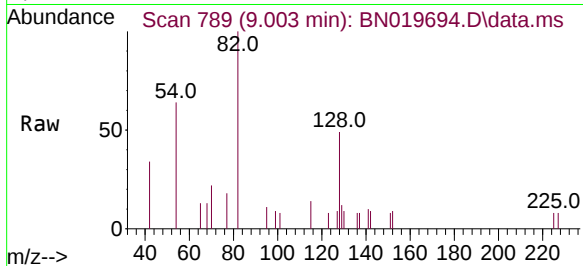




#8
Nitrobenzene-d5
Concen: 0.072 ng
RT: 9.003 min Scan# 789
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

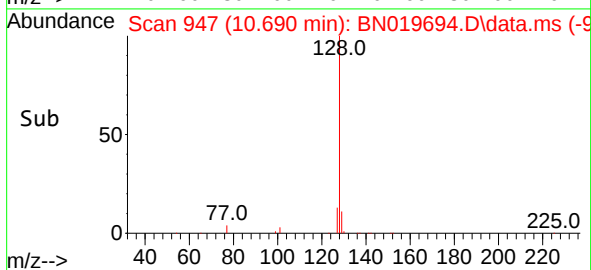
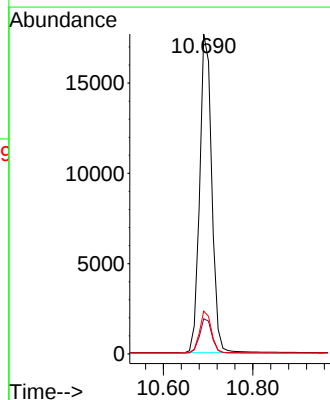
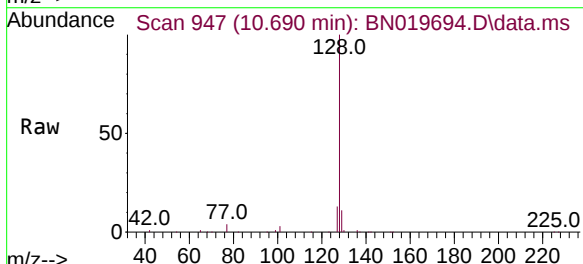
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

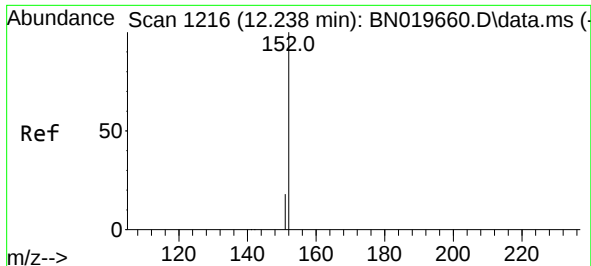
Tgt Ion: 82 Resp: 1088
Ion Ratio Lower Upper
82 100
128 48.6 32.4 48.6
54 63.6 44.4 66.6



#9
Naphthalene
Concen: 0.625 ng
RT: 10.690 min Scan# 947
Delta R.T. -0.011 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

Tgt Ion: 128 Resp: 33219
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.4 10.8 16.2





#11

2-Methylnaphthalene-d10

Concen: 0.034 ng

RT: 12.234 min Scan# 11

Delta R.T. -0.004 min

Lab File: BN019694.D

Acq: 05 May 2022 13:46

Instrument :

BNA_N

ClientSampleId :

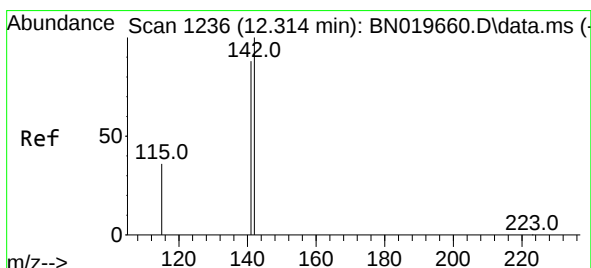
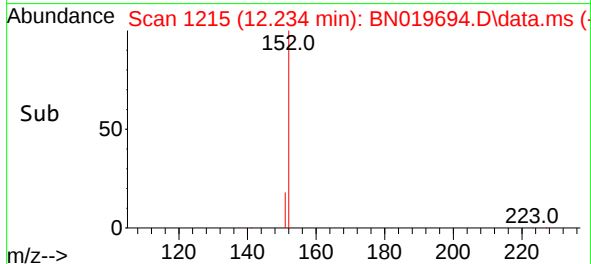
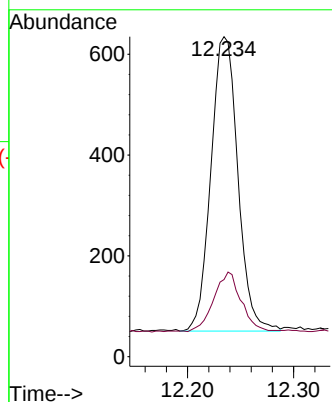
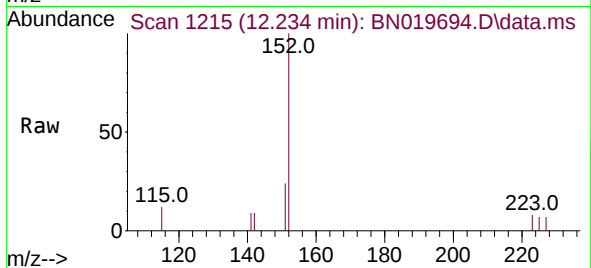
RR-PAH-WPDL

Tgt Ion:152 Resp: 1032

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4



#12

2-Methylnaphthalene

Concen: 0.288 ng

RT: 12.310 min Scan# 1235

Delta R.T. -0.004 min

Lab File: BN019694.D

Acq: 05 May 2022 13:46

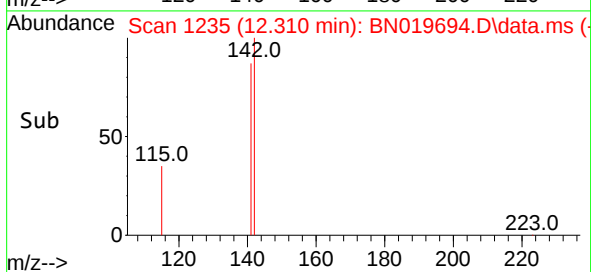
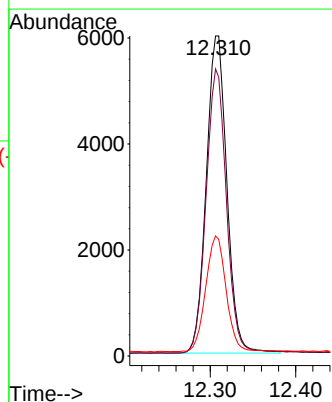
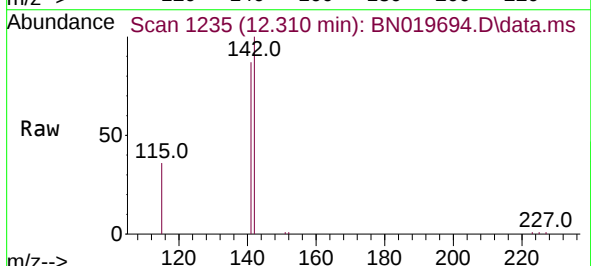
Tgt Ion:142 Resp: 10027

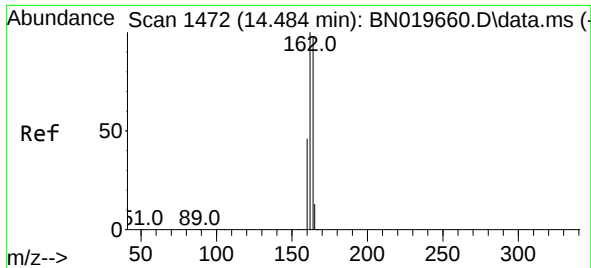
Ion Ratio Lower Upper

142 100

141 87.0 71.0 106.6

115 36.4 29.6 44.4

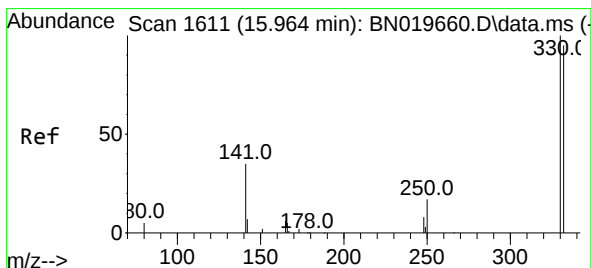
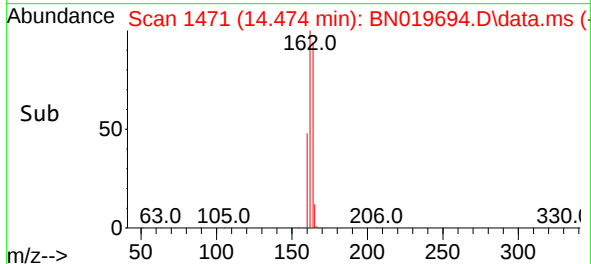
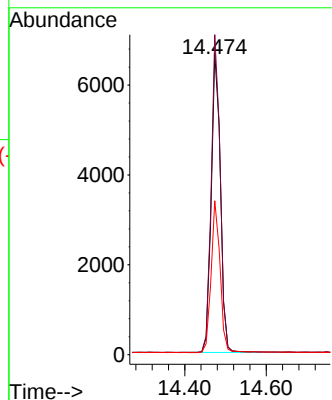
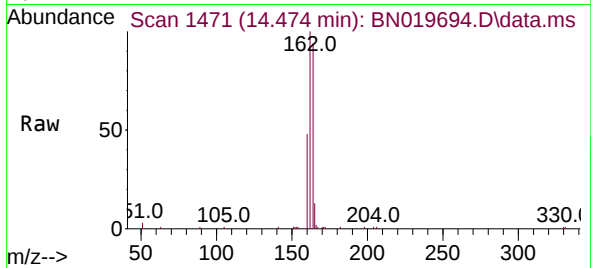




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1472
Delta R.T. -0.011 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

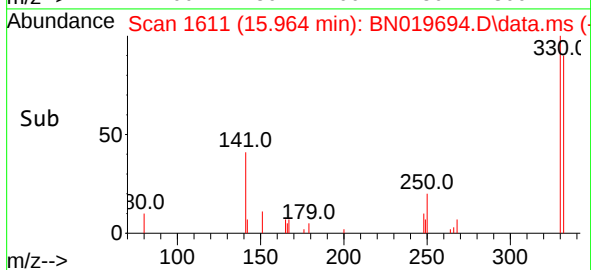
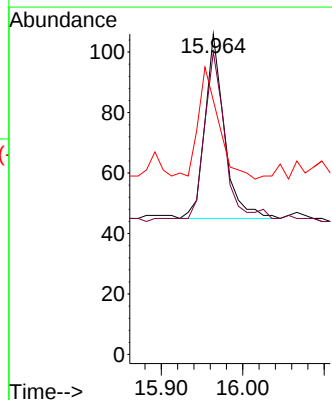
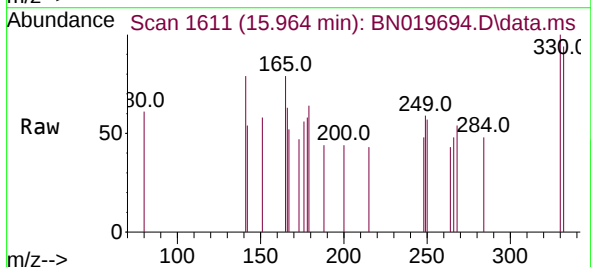
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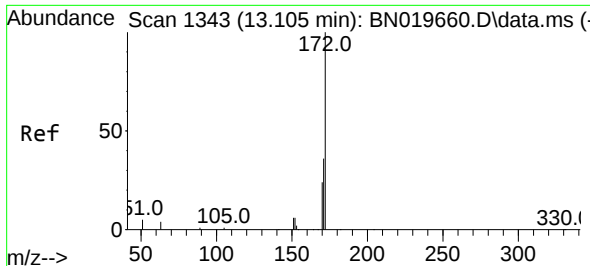
Tgt Ion:164 Resp: 10390
Ion Ratio Lower Upper
164 100
162 106.2 81.8 122.6
160 51.1 38.3 57.5



#14
2,4,6-Tribromophenol
Concen: 0.027 ng
RT: 15.964 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

Tgt Ion:330 Resp: 102
Ion Ratio Lower Upper
330 100
332 92.2 76.2 114.4
141 63.7 39.7 59.5#

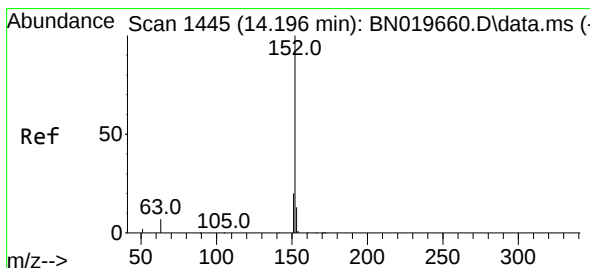
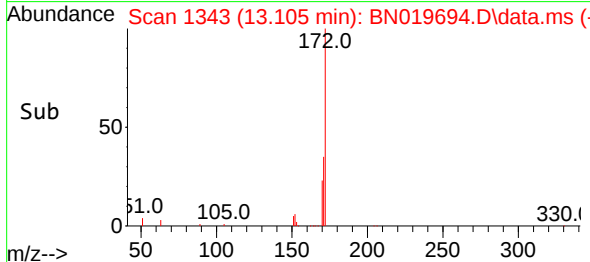
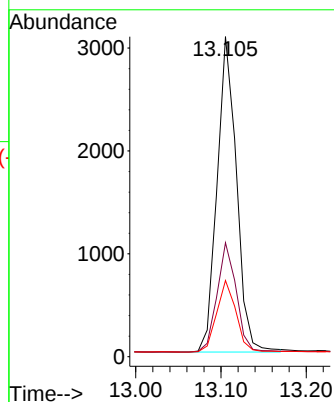
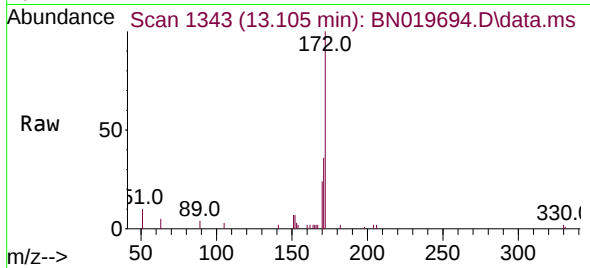




#15
2-Fluorobiphenyl
Concen: 0.108 ng
RT: 13.105 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

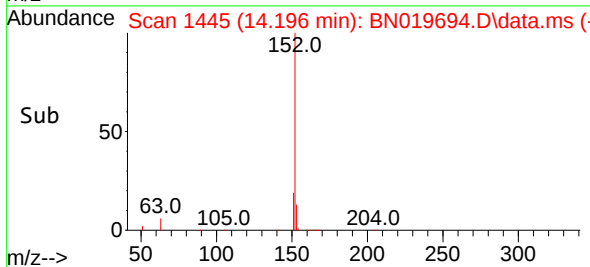
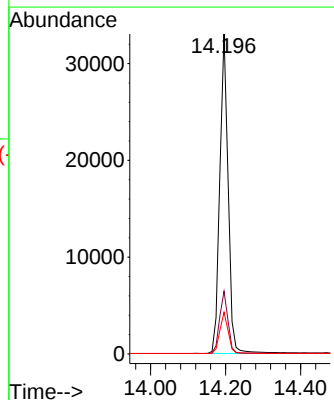
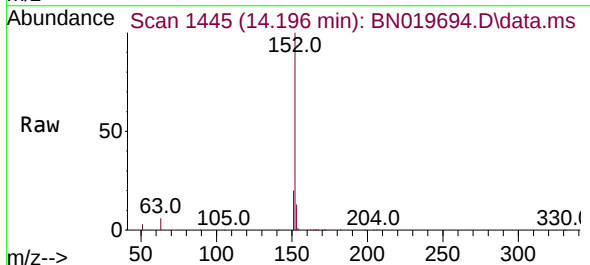
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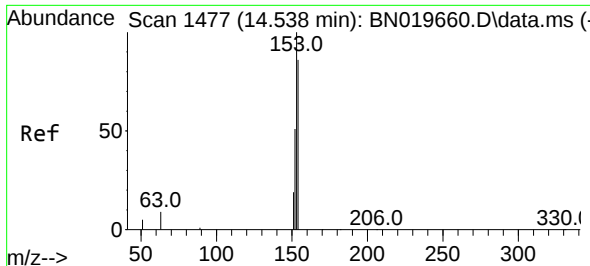
Tgt Ion:	172	Resp:	4848
Ion Ratio	Lower	Upper	
172	100		
171	35.6	28.0	42.0
170	23.8	19.0	28.4



#16
Acenaphthylene
Concen: 1.022 ng
RT: 14.196 min Scan# 1445
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

Tgt Ion:	152	Resp:	51236
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.2	24.4
153	12.9	10.5	15.7

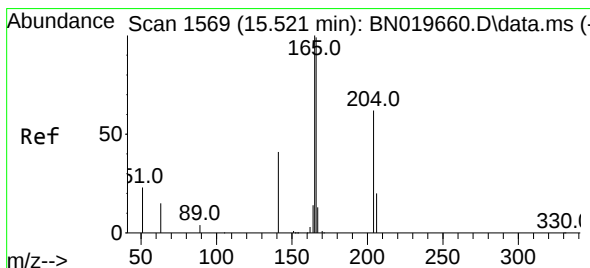
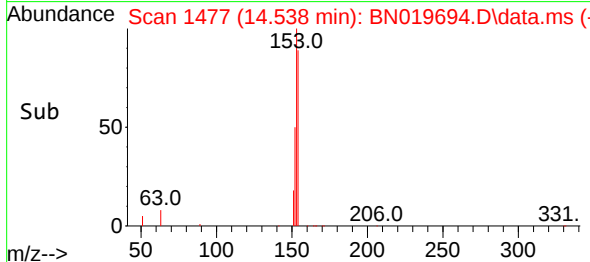
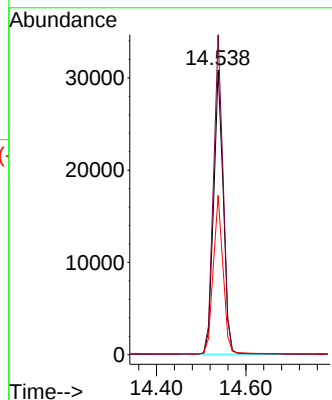
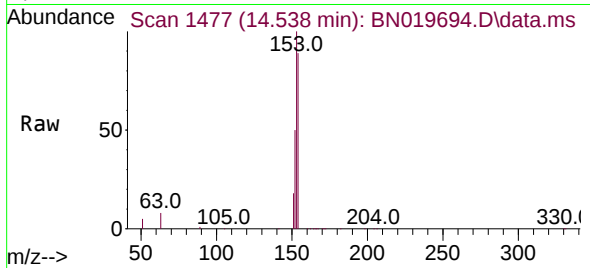




#17
Acenaphthene
Concen: 1.340 ng
RT: 14.538 min Scan# 1477
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

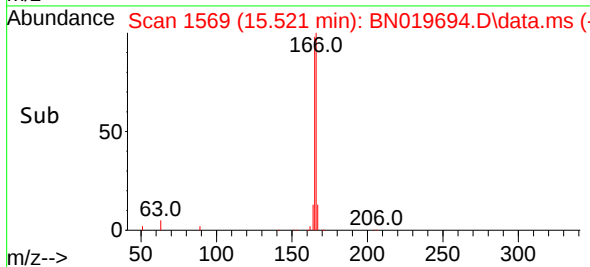
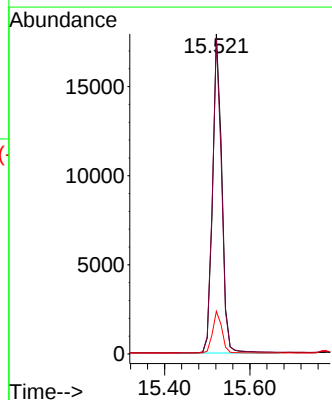
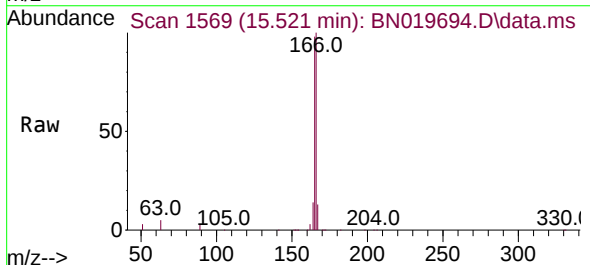
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

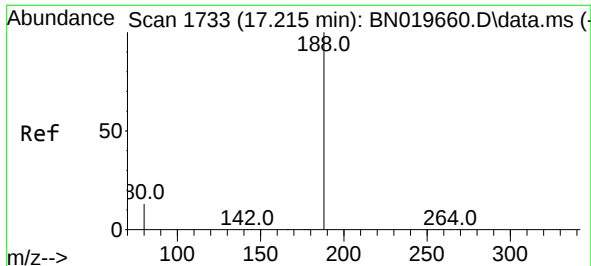
Tgt Ion:154 Resp: 46232
Ion Ratio Lower Upper
154 100
153 112.6 89.3 133.9
152 56.4 44.1 66.1



#18
Fluorene
Concen: 0.633 ng
RT: 15.521 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

Tgt Ion:166 Resp: 26840
Ion Ratio Lower Upper
166 100
165 97.9 79.1 118.7
167 13.3 10.7 16.1

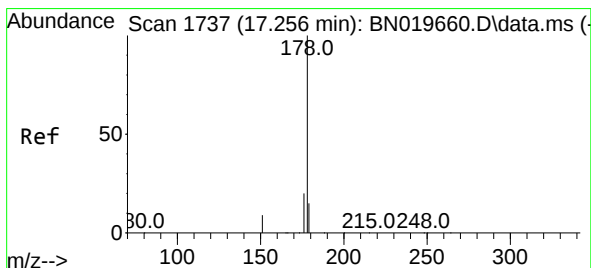
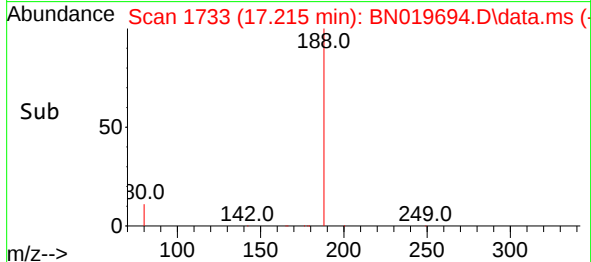
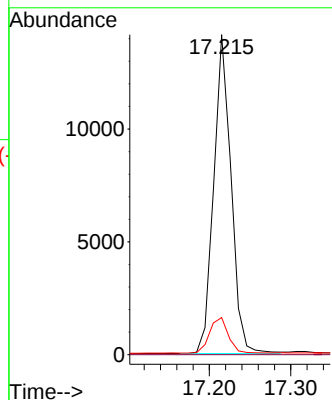
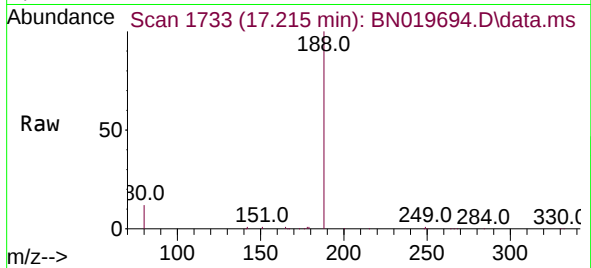




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

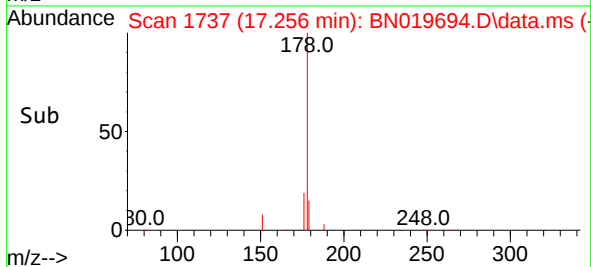
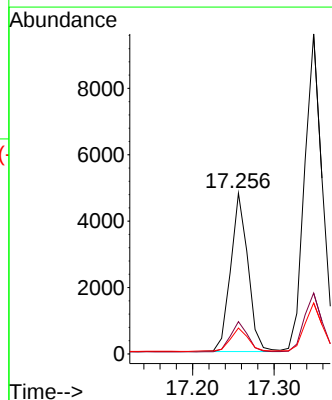
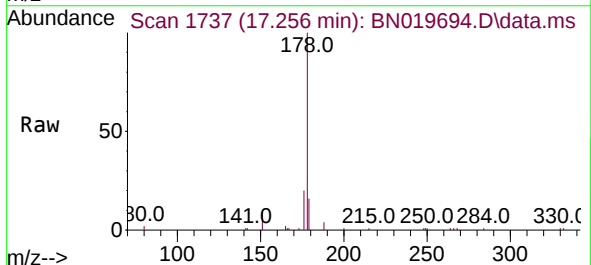
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

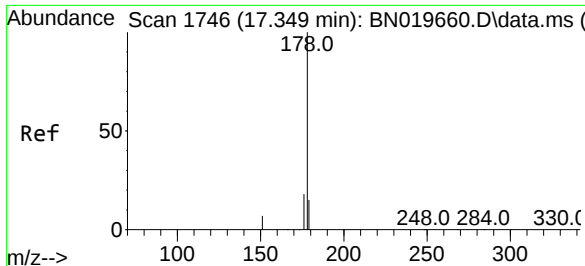
Tgt Ion:188 Resp: 20897
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.6 8.6 12.8



#25
Phenanthrene
Concen: 0.102 ng
RT: 17.256 min Scan# 1737
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

Tgt Ion:178 Resp: 7086
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.6 12.1 18.1

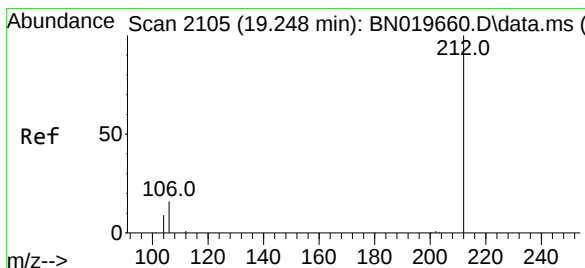
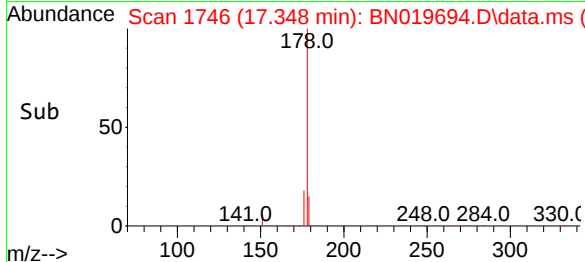
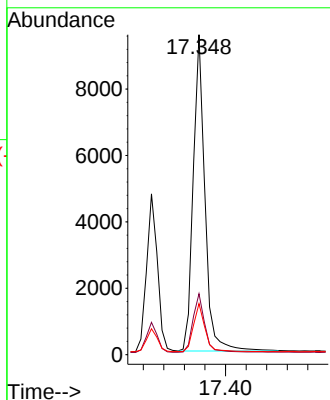
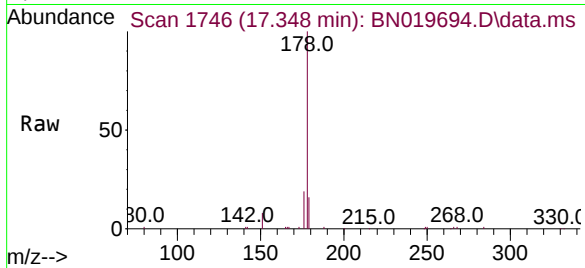




#26
 Anthracene
 Concen: 0.255 ng
 RT: 17.348 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN019694.D
 Acq: 05 May 2022 13:46

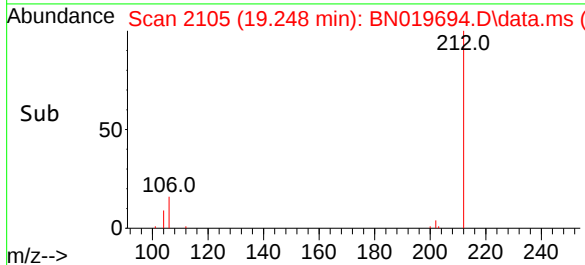
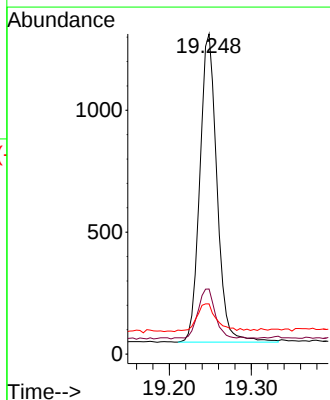
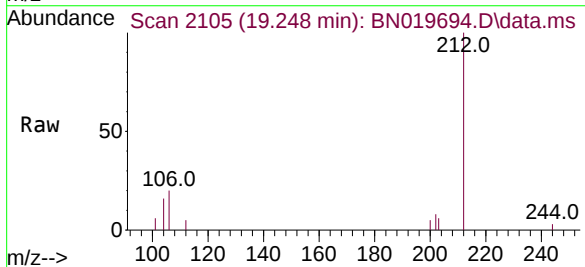
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

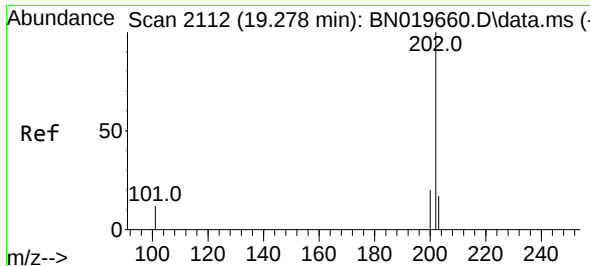
Tgt Ion:	178	Resp:	15019
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.3	21.5
179	15.1	12.2	18.4



#27
 Fluoranthene-d10
 Concen: 0.032 ng
 RT: 19.248 min Scan# 2105
 Delta R.T. -0.000 min
 Lab File: BN019694.D
 Acq: 05 May 2022 13:46

Tgt Ion:	212	Resp:	1833
Ion Ratio	Lower	Upper	
212	100		
106	16.6	13.5	20.3
104	10.6	7.6	11.4

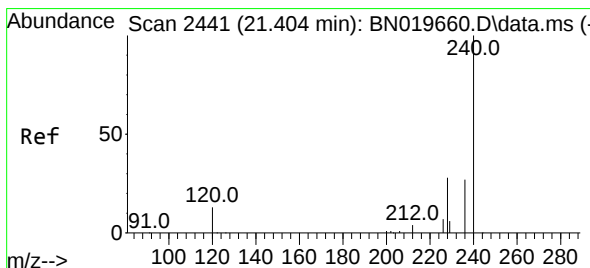
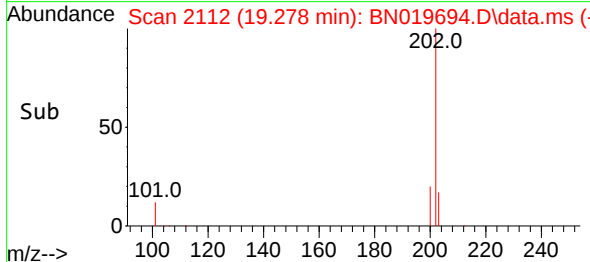
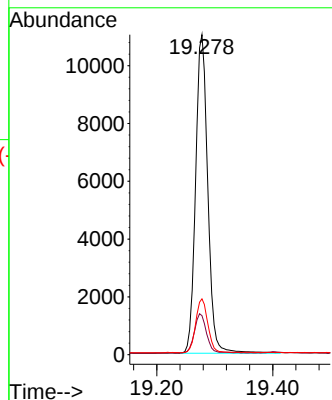
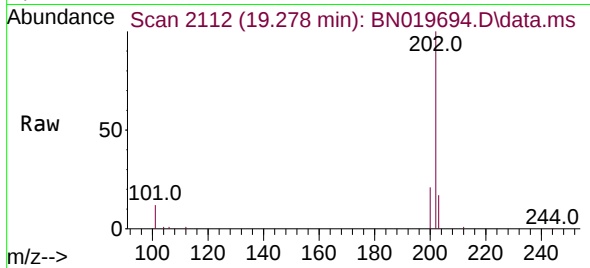




#28
Fluoranthene
Concen: 0.222 ng
RT: 19.278 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

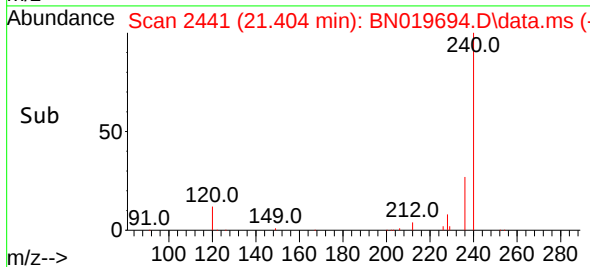
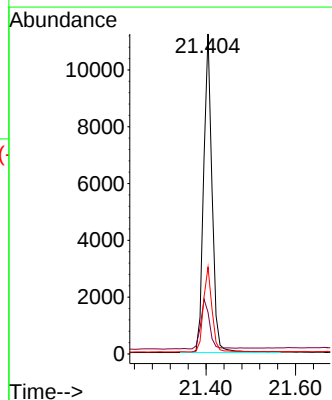
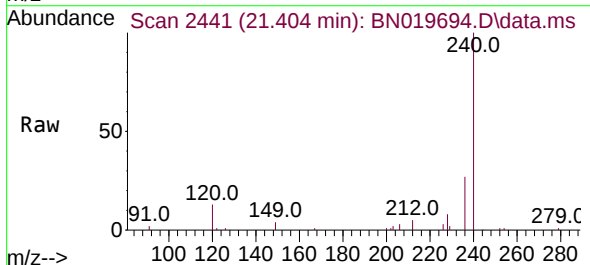
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

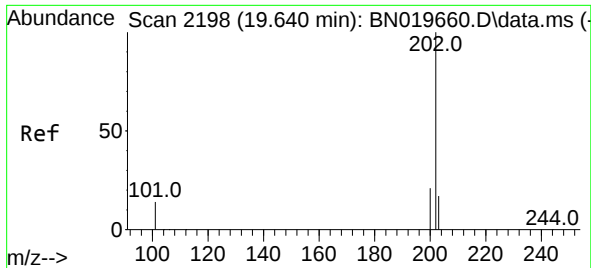
Tgt Ion:202 Resp: 16060
Ion Ratio Lower Upper
202 100
101 12.2 10.6 15.8
203 17.0 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.404 min Scan# 2441
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

Tgt Ion:240 Resp: 14722
Ion Ratio Lower Upper
240 100
120 13.0 17.4 26.2#
236 27.1 23.0 34.4

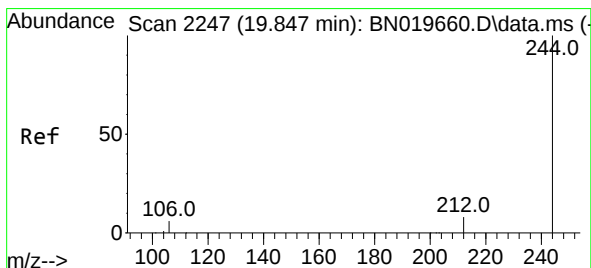
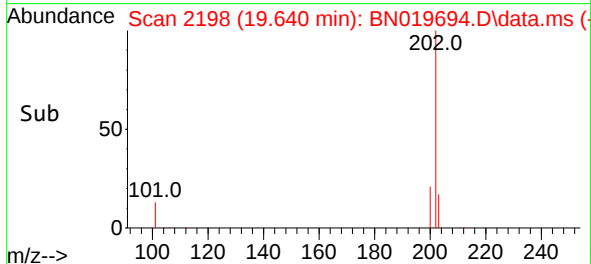
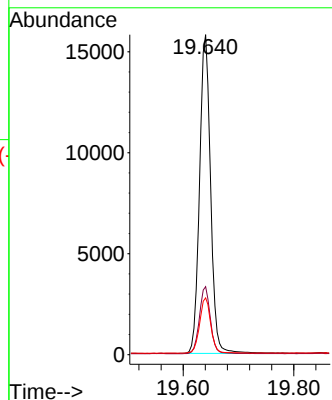
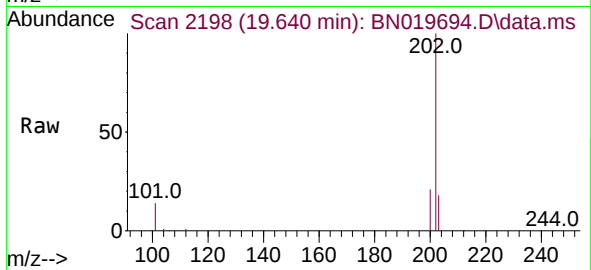




#30
Pyrene
Concen: 0.359 ng
RT: 19.640 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

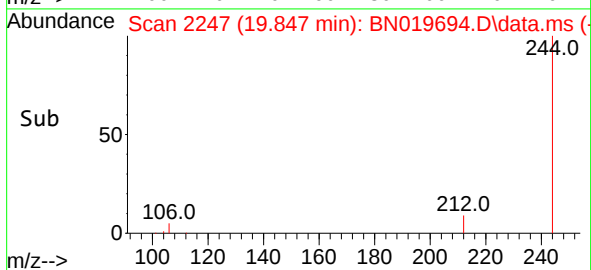
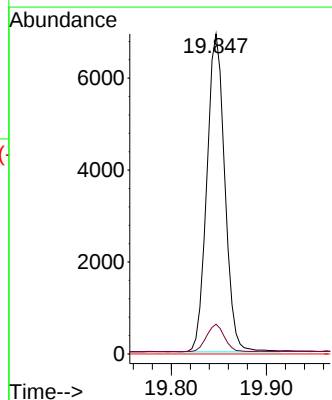
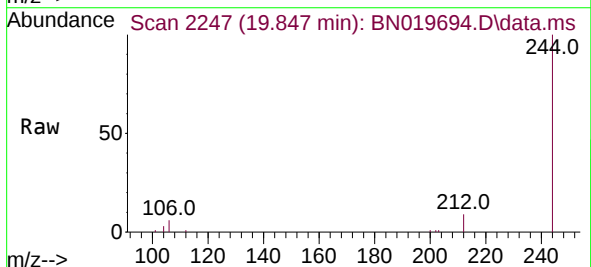
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

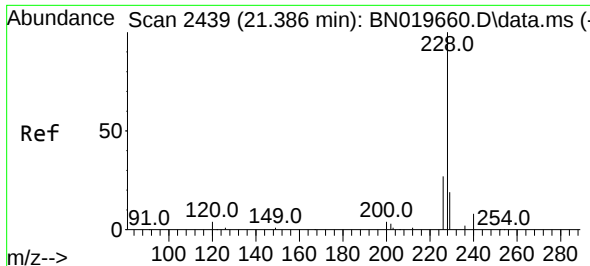
Tgt Ion:202 Resp: 21843
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.4 14.2 21.4



#31
Terphenyl-d14
Concen: 0.263 ng
RT: 19.847 min Scan# 2247
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

Tgt Ion:244 Resp: 9071
Ion Ratio Lower Upper
244 100
212 9.3 7.6 11.4
122 0.0 0.0 0.0

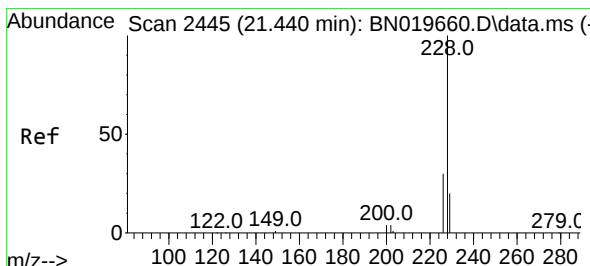
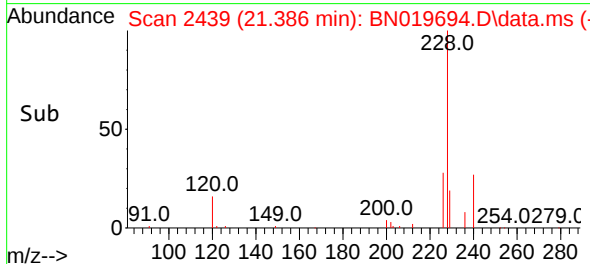
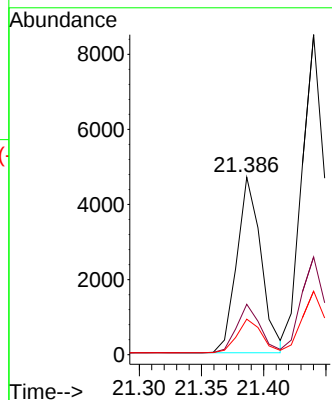
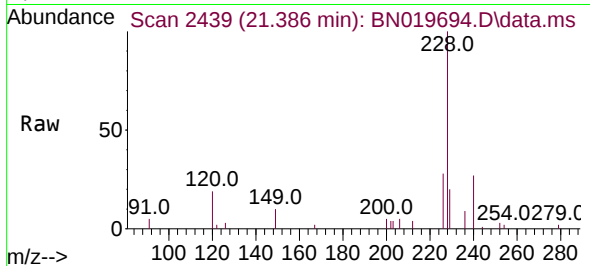




#32
Benzo(a)anthracene
Concen: 0.122 ng
RT: 21.386 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

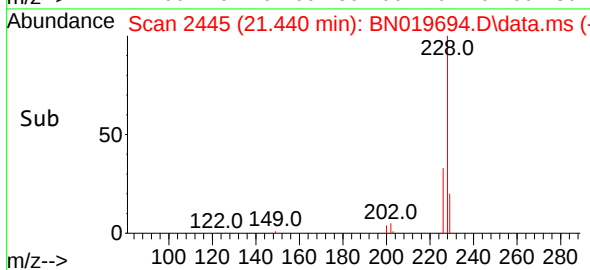
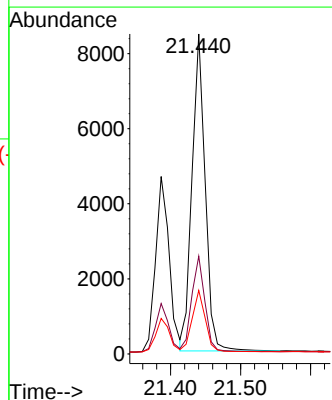
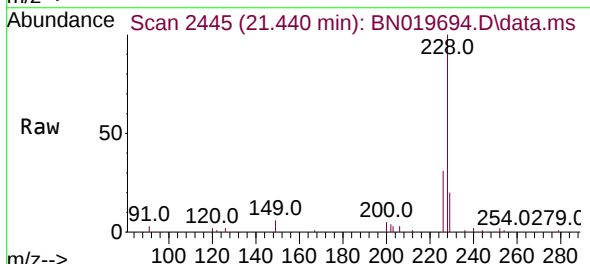
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

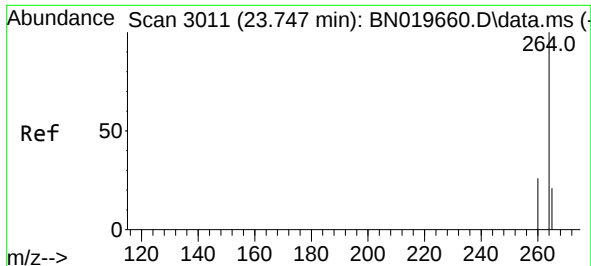
Tgt Ion:228 Resp: 6357
Ion Ratio Lower Upper
228 100
226 28.4 21.6 32.4
229 20.0 16.5 24.7



#33
Chrysene
Concen: 0.194 ng
RT: 21.440 min Scan# 2445
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

Tgt Ion:228 Resp: 11058
Ion Ratio Lower Upper
228 100
226 30.5 24.6 36.8
229 19.8 15.9 23.9

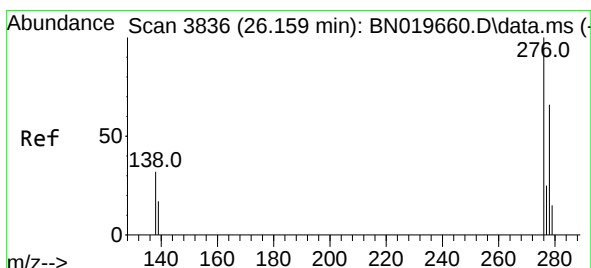
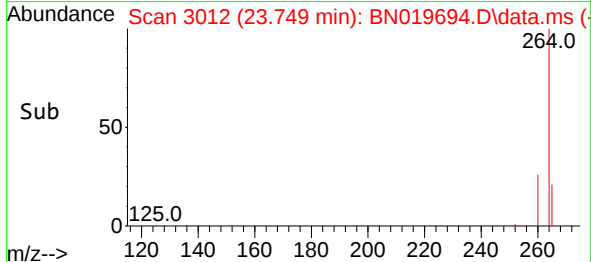
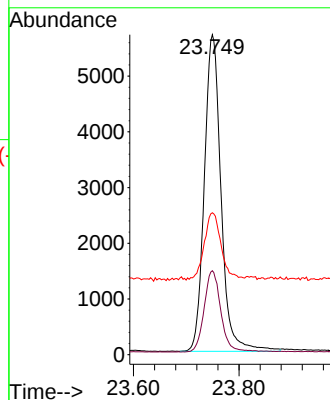
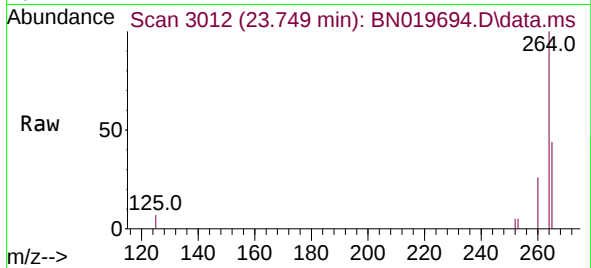




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.749 min Scan# 3011
 Delta R.T. 0.003 min
 Lab File: BN019694.D
 Acq: 05 May 2022 13:46

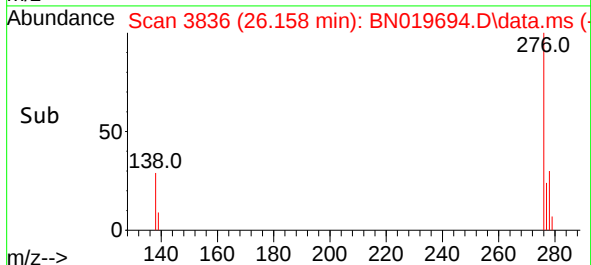
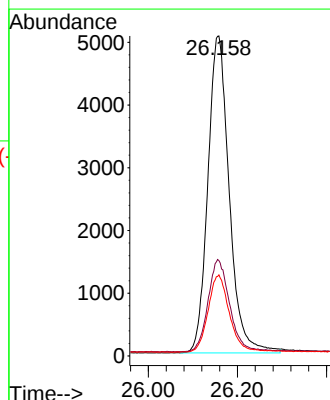
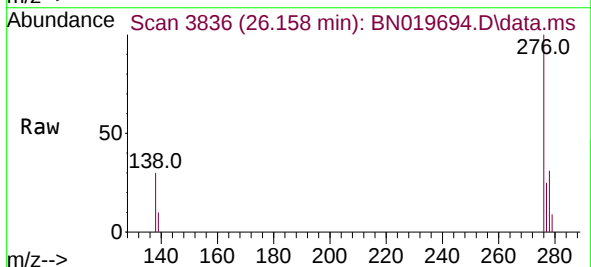
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

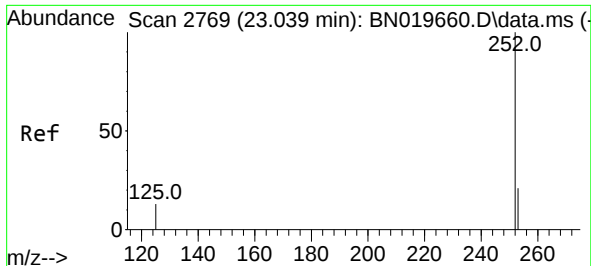
Tgt Ion:264 Resp: 12495
 Ion Ratio Lower Upper
 264 100
 260 26.2 21.0 31.6
 265 44.4 67.9 101.9#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.297 ng
 RT: 26.158 min Scan# 3836
 Delta R.T. -0.000 min
 Lab File: BN019694.D
 Acq: 05 May 2022 13:46

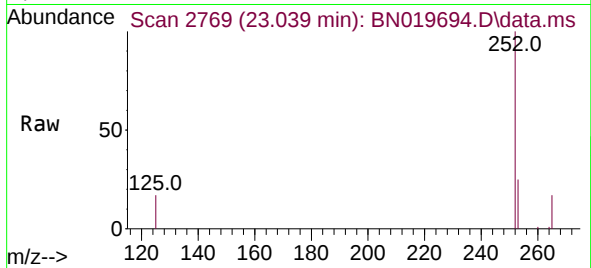
Tgt Ion:276 Resp: 16866
 Ion Ratio Lower Upper
 276 100
 138 29.2 26.6 40.0
 277 24.2 20.0 30.0



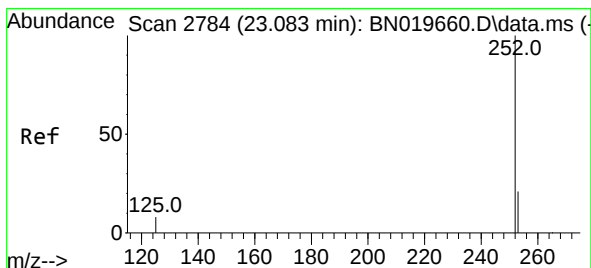
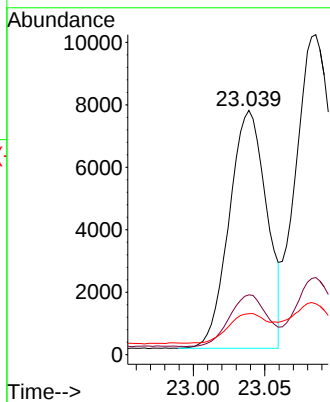
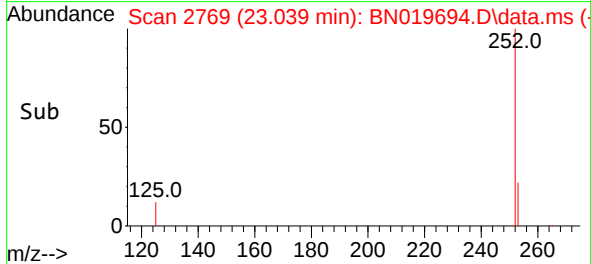


#37
Benzo(b)fluoranthene
Concen: 0.268 ng
RT: 23.039 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

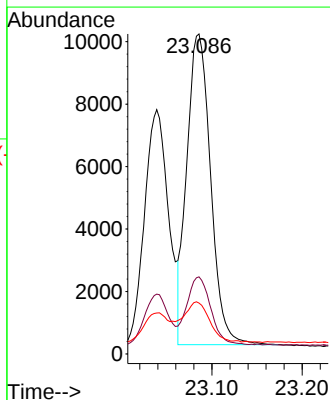
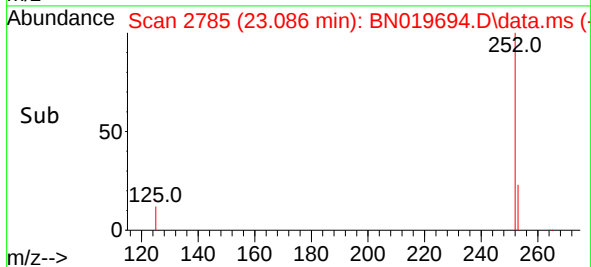
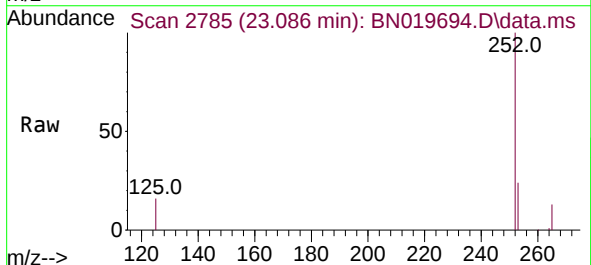


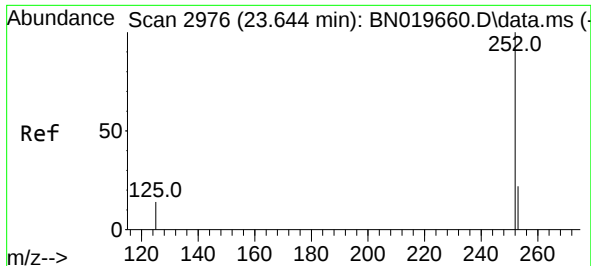
Tgt Ion:252 Resp: 13862
Ion Ratio Lower Upper
252 100
253 24.5 21.2 31.8
125 16.8 15.9 23.9



#38
Benzo(k)fluoranthene
Concen: 0.333 ng
RT: 23.086 min Scan# 2785
Delta R.T. 0.003 min
Lab File: BN019694.D
Acq: 05 May 2022 13:46

Tgt Ion:252 Resp: 18213
Ion Ratio Lower Upper
252 100
253 24.1 21.7 32.5
125 15.9 17.0 25.4#





#39

Benzo(a)pyrene

Concen: 0.092 ng

RT: 23.641 min Scan# 2976

Delta R.T. -0.003 min

Lab File: BN019694.D

Acq: 05 May 2022 13:46

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

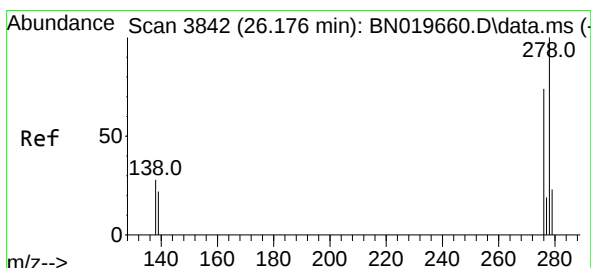
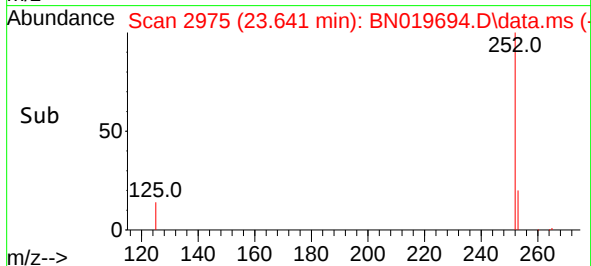
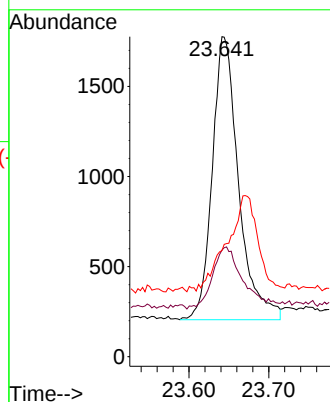
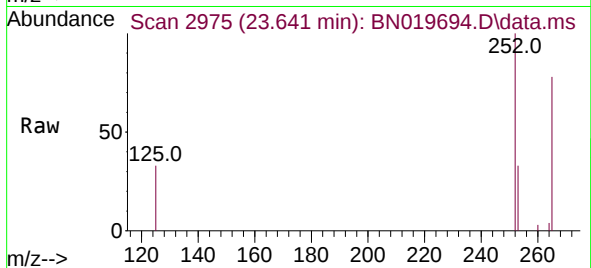
Tgt Ion:252 Resp: 3606

Ion Ratio Lower Upper

252 100

253 33.3 23.1 34.7

125 33.2 20.4 30.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.145 ng

RT: 26.173 min Scan# 3841

Delta R.T. -0.003 min

Lab File: BN019694.D

Acq: 05 May 2022 13:46

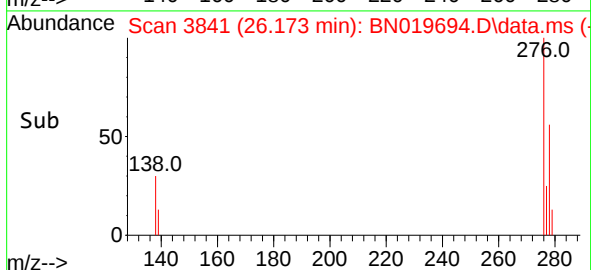
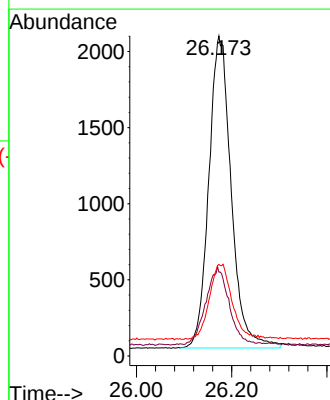
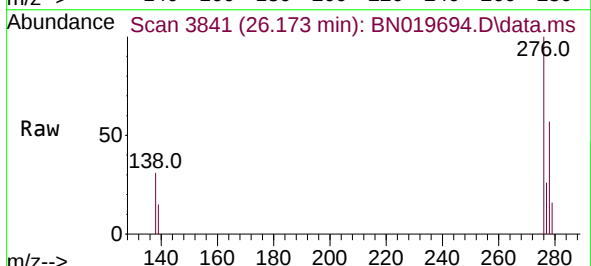
Tgt Ion:278 Resp: 6688

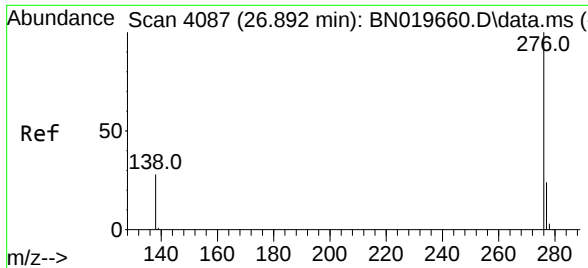
Ion Ratio Lower Upper

278 100

139 26.2 19.4 29.2

279 28.6 21.8 32.8





#41
 Benzo(g,h,i)perylene
 Concen: 0.343 ng
 RT: 26.895 min Scan# 4088
 Delta R.T. 0.003 min
 Lab File: BN019694.D
 Acq: 05 May 2022 13:46

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

Tgt Ion:	276	Resp:	15723
Ion Ratio	Lower	Upper	
276	100		
277	24.6	20.2	30.2
138	29.1	23.5	35.3

