

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100722\
 Data File : BN022032.D
 Acq On : 07 Oct 2022 10:30
 Operator : CG/JU
 Sample : N4785-21
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

Quant Time: Oct 10 03:15:02 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 01:32:21 2022
 Response via : Initial Calibration

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

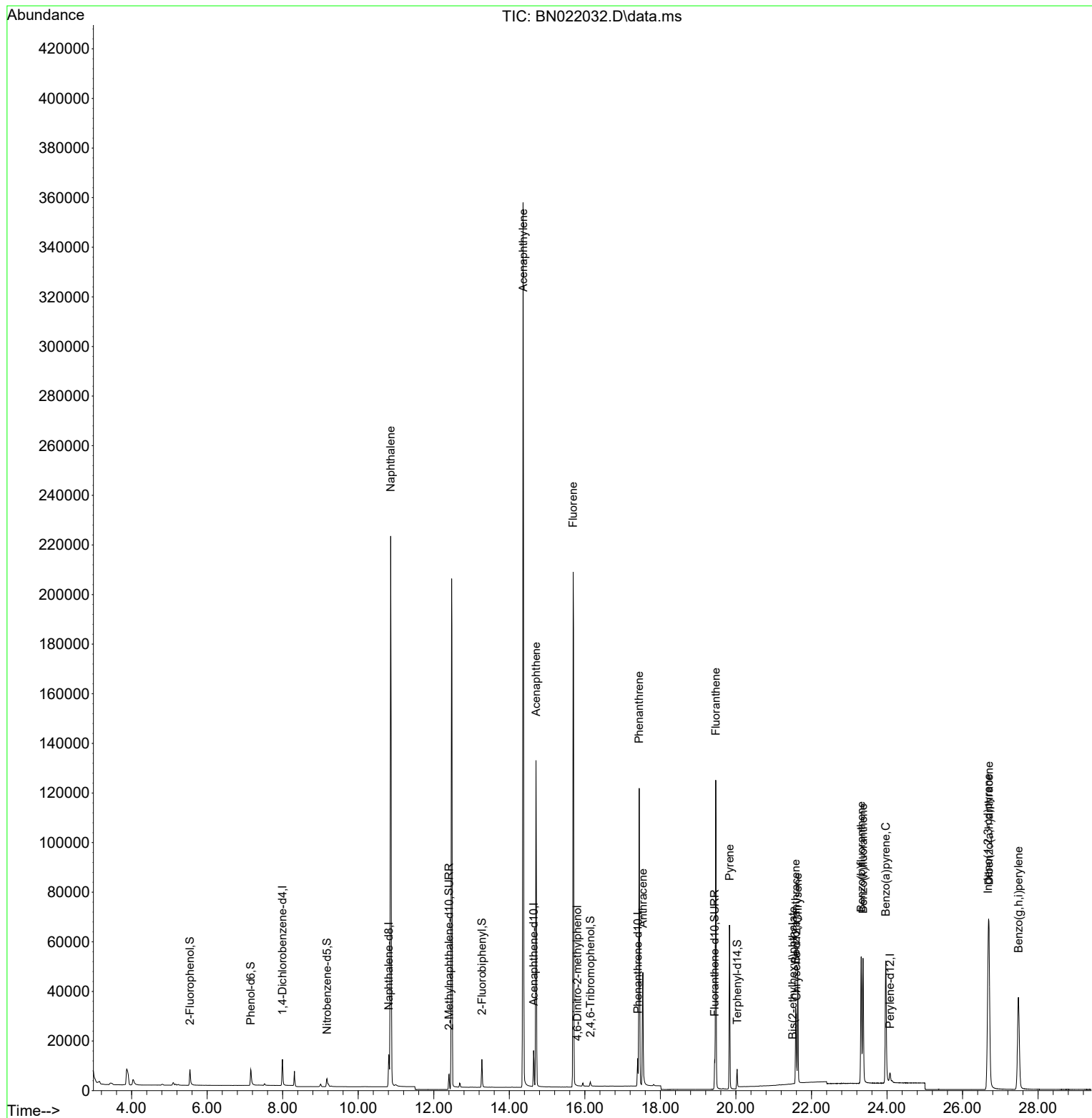
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	5911	0.400	ng	0.00
7) Naphthalene-d8	10.805	136	17352	0.400	ng	-0.01
13) Acenaphthene-d10	14.643	164	8064	0.400	ng	-0.01
19) Phenanthrene-d10	17.400	188	14038	0.400	ng	#-0.01
29) Chrysene-d12	21.600	240	8197	0.400	ng	# 0.00
35) Perylene-d12	24.078	264	5834	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.544	112	6534	0.477	ng	0.03
5) Phenol-d6	7.155	99	8287	0.466	ng	0.00
8) Nitrobenzene-d5	9.172	82	3685	0.264	ng	0.01
11) 2-Methylnaphthalene-d10	12.402	152	8442	0.265	ng	0.00
14) 2,4,6-Tribromophenol	16.146	330	1096	0.356	ng	0.00
15) 2-Fluorobiphenyl	13.274	172	10043	0.285	ng	-0.01
27) Fluoranthene-d10	19.437	212	11724	0.314	ng	0.00
31) Terphenyl-d14	20.033	244	5627	0.341	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.859	128	284284	5.425	ng	99
16) Acenaphthylene	14.365	152	364661	9.504	ng	100
17) Acenaphthene	14.707	154	62390	2.313	ng	99
18) Fluorene	15.690	166	141867	4.362	ng	98
20) 4,6-Dinitro-2-methylph...	15.799	198	4	0.193	ng	# 1
25) Phenanthrene	17.437	178	122101	2.530	ng	100
26) Anthracene	17.536	178	54085	1.396	ng	100
28) Fluoranthene	19.466	202	109305	2.114	ng	100
30) Pyrene	19.829	202	58595	1.628	ng	100
32) Benzo(a)anthracene	21.582	228	25505	0.827	ng	99
33) Chrysene	21.636	228	39716	1.161	ng	99
34) Bis(2-ethylhexyl)phtha...	21.501	149	326	0.022	ng	# 78
36) Indeno(1,2,3-cd)pyrene	26.677	276	92947	3.153	ng	99
37) Benzo(b)fluoranthene	23.315	252	65949	2.385	ng	# 92
38) Benzo(k)fluoranthene	23.365	252	66832	2.428	ng	# 92
39) Benzo(a)pyrene	23.967	252	78116	3.703	ng	# 84
40) Dibenzo(a,h)anthracene	26.701	278	81456	3.465	ng	95
41) Benzo(g,h,i)perylene	27.479	276	82345	3.245	ng	98

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

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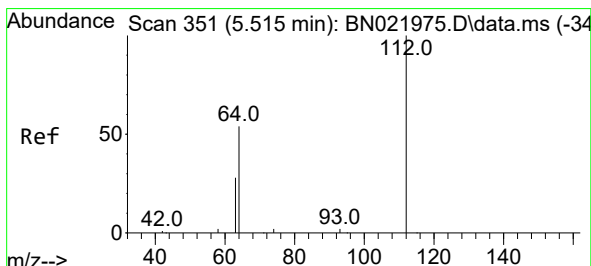
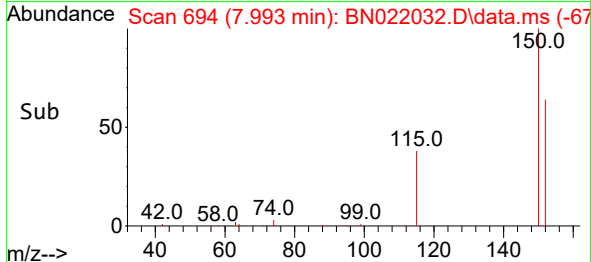
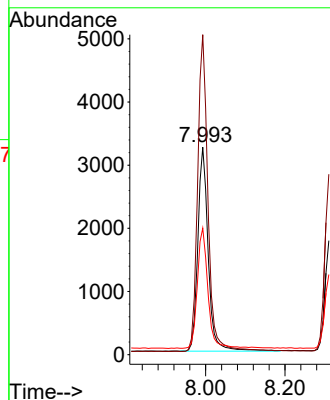
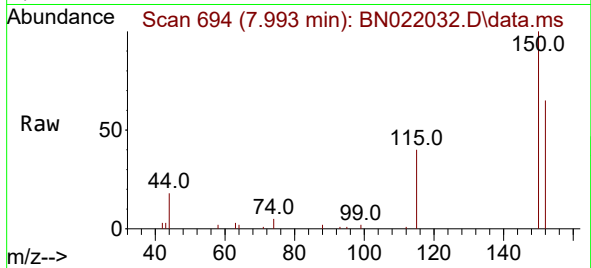




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.993 min Scan# 693
Delta R.T. 0.008 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

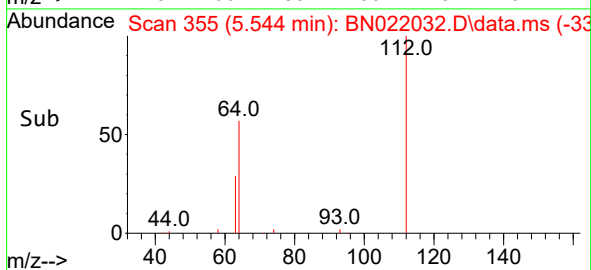
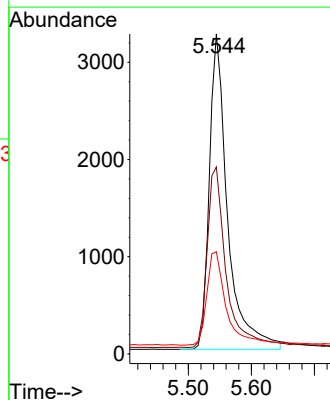
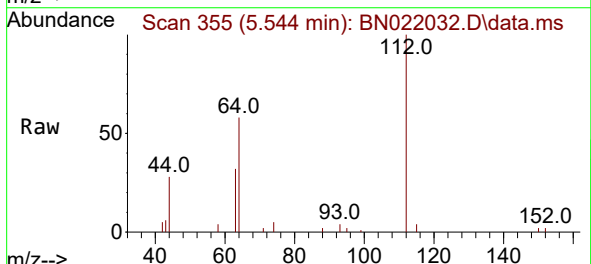
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

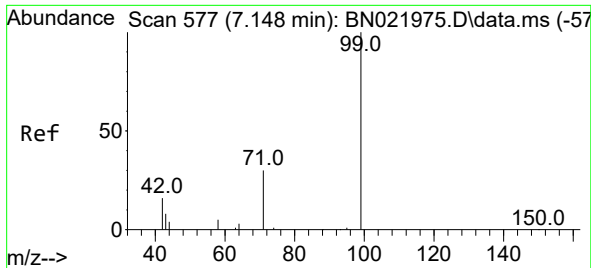
Tgt Ion:152 Resp: 5911
Ion Ratio Lower Upper
152 100
150 154.2 127.2 190.8
115 61.0 51.4 77.0



#4
2-Fluorophenol
Concen: 0.477 ng
RT: 5.544 min Scan# 355
Delta R.T. 0.029 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

Tgt Ion:112 Resp: 6534
Ion Ratio Lower Upper
112 100
64 59.8 46.9 70.3
63 31.9 24.6 37.0

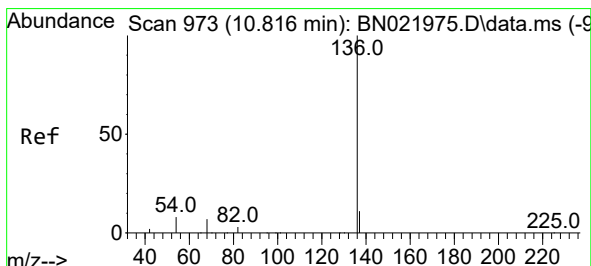
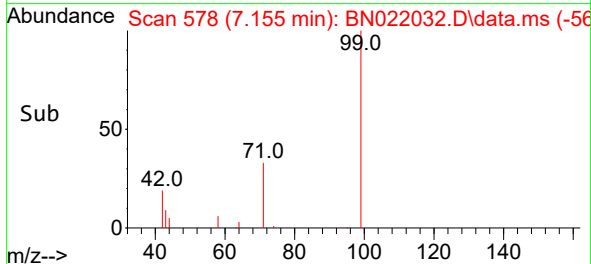
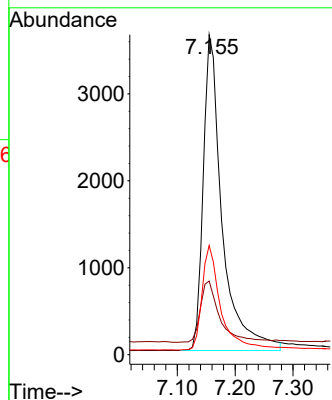
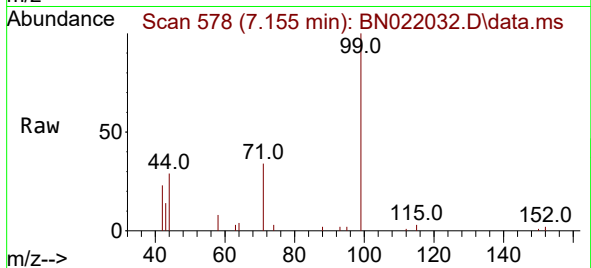




#5
Phenol-d6
Concen: 0.466 ng
RT: 7.155 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

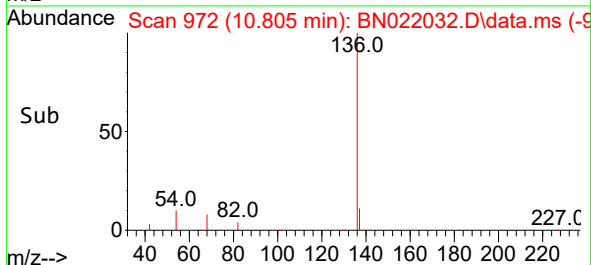
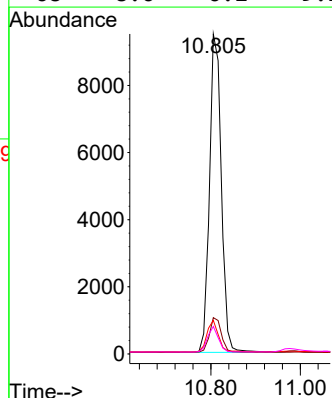
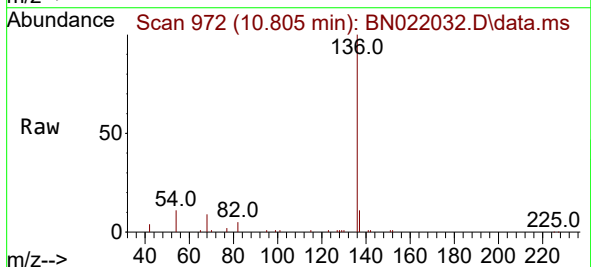
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

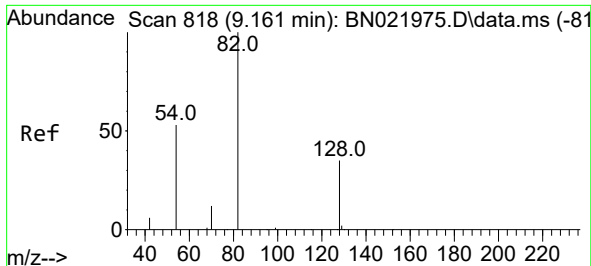
Tgt Ion: 99 Resp: 8287
Ion Ratio Lower Upper
99 100
42 20.0 15.9 23.9
71 32.8 25.6 38.4



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.805 min Scan# 972
Delta R.T. -0.011 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

Tgt Ion: 136 Resp: 17352
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 10.5 7.1 10.7
68 8.6 6.2 9.2

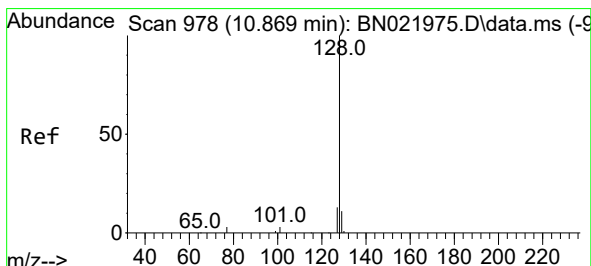
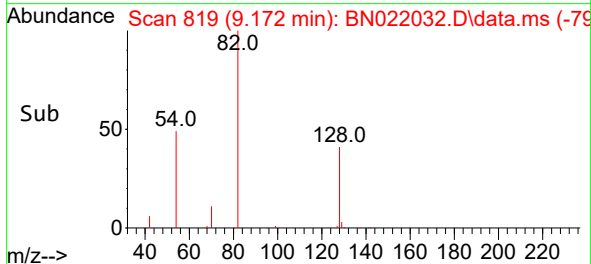
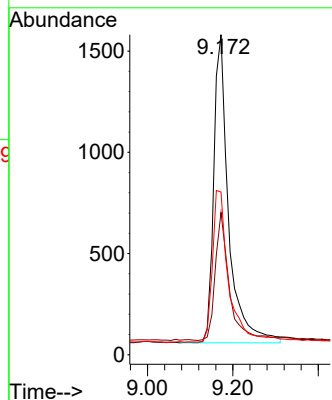
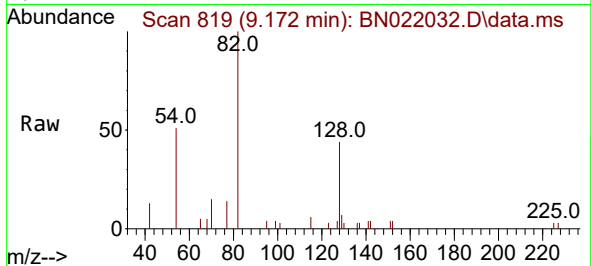




#8
Nitrobenzene-d5
Concen: 0.264 ng
RT: 9.172 min Scan# 818
Delta R.T. 0.011 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

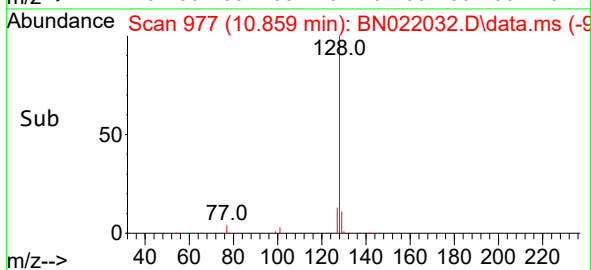
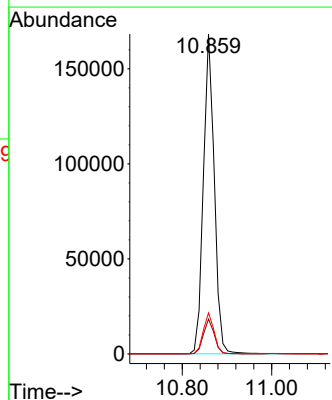
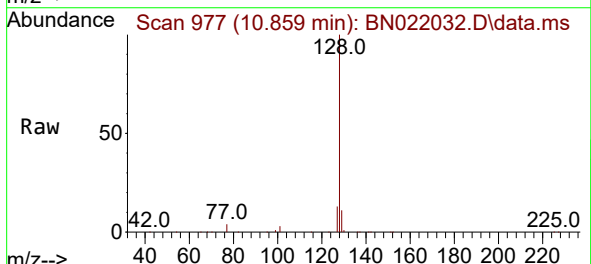
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

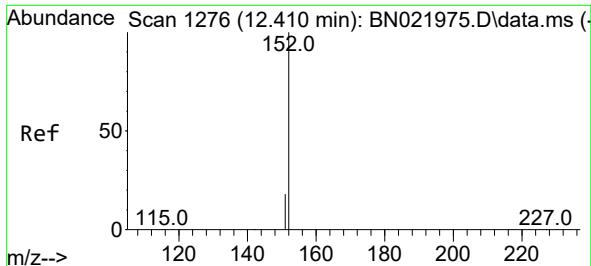
Tgt Ion: 82 Resp: 3685
Ion Ratio Lower Upper
82 100
128 44.5 29.9 44.9
54 50.9 43.5 65.3



#9
Naphthalene
Concen: 5.425 ng
RT: 10.859 min Scan# 977
Delta R.T. -0.011 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

Tgt Ion: 128 Resp: 284284
Ion Ratio Lower Upper
128 100
129 10.9 9.3 13.9
127 12.9 10.6 16.0

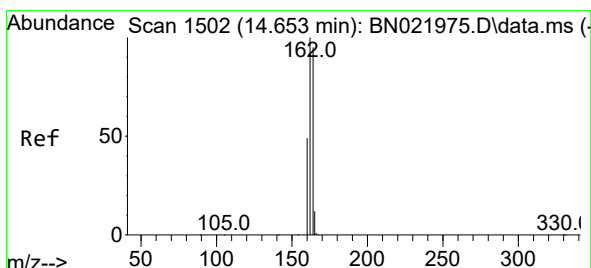
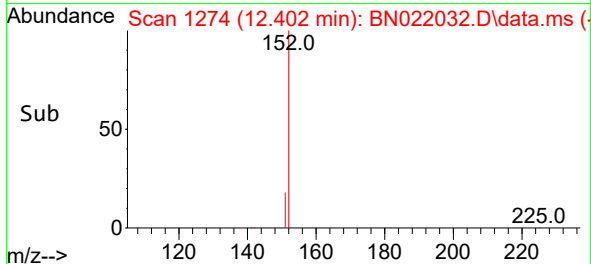
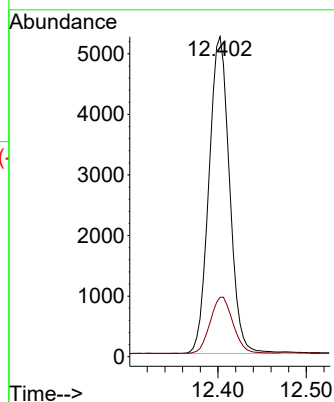
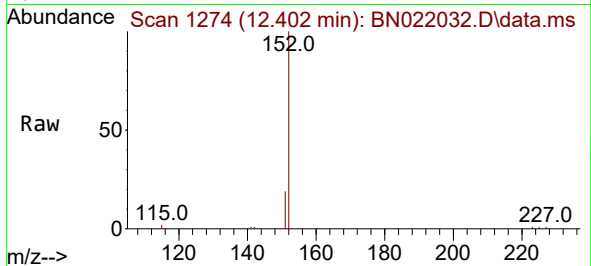




#11
2-Methylnaphthalene-d10
Concen: 0.265 ng
RT: 12.402 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

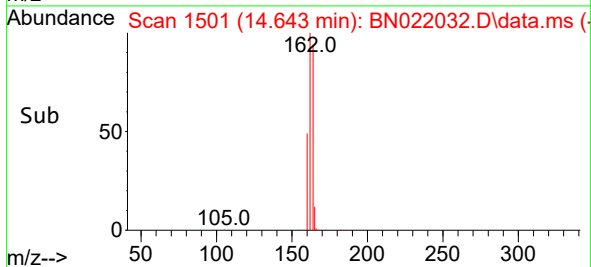
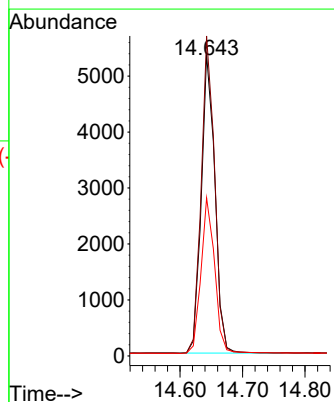
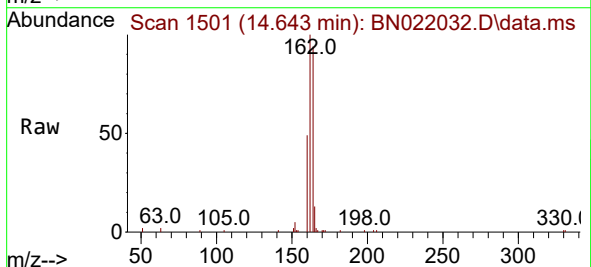
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

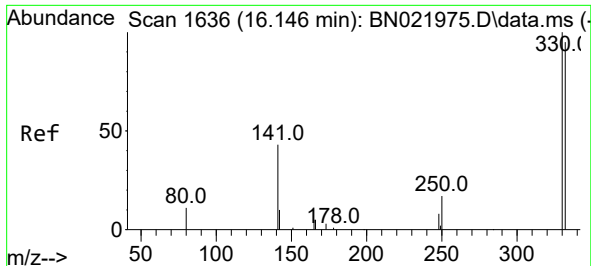
Tgt Ion:152 Resp: 8442
Ion Ratio Lower Upper
152 100
151 19.7 13.8 20.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.643 min Scan# 1501
Delta R.T. -0.011 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

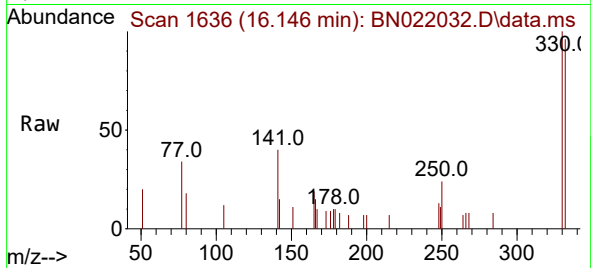
Tgt Ion:164 Resp: 8064
Ion Ratio Lower Upper
164 100
162 106.2 84.3 126.5
160 52.5 41.7 62.5



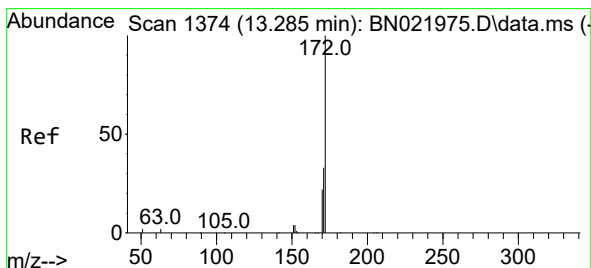
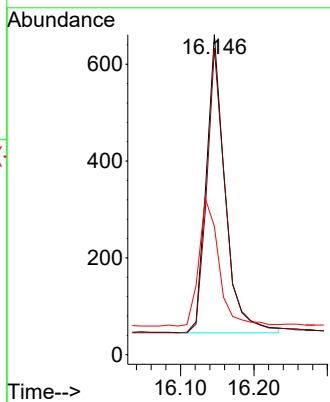
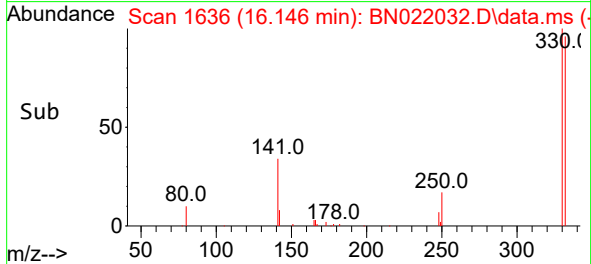


#14
2,4,6-Tribromophenol
Concen: 0.356 ng
RT: 16.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

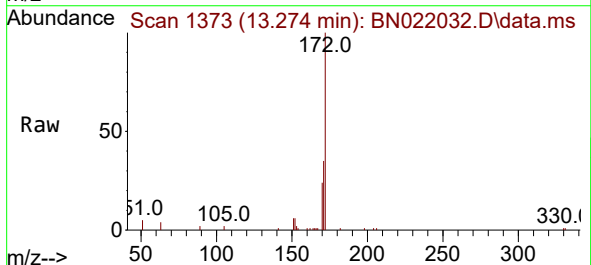
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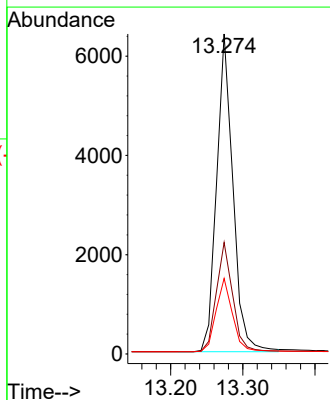
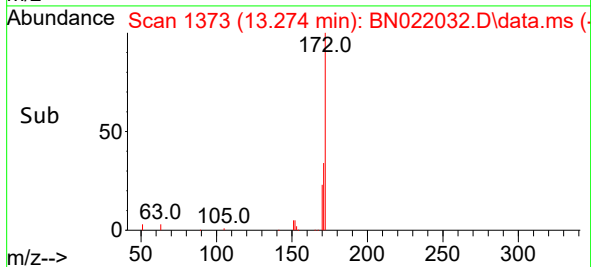
Tgt Ion:330 Resp: 1096
Ion Ratio Lower Upper
330 100
332 95.0 77.0 115.4
141 45.6 35.3 52.9

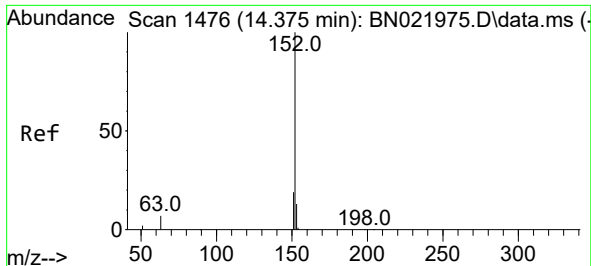


#15
2-Fluorobiphenyl
Concen: 0.285 ng
RT: 13.274 min Scan# 1373
Delta R.T. -0.011 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30



Tgt Ion:172 Resp: 10043
Ion Ratio Lower Upper
172 100
171 34.8 27.2 40.8
170 23.6 18.3 27.5

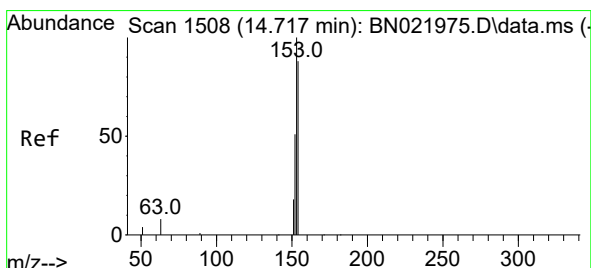
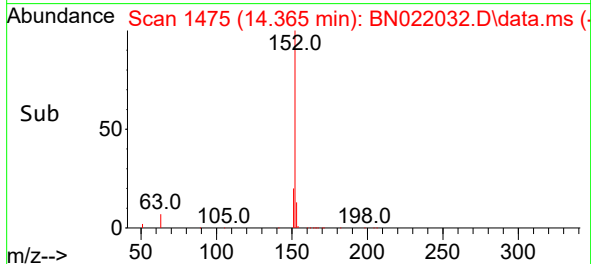
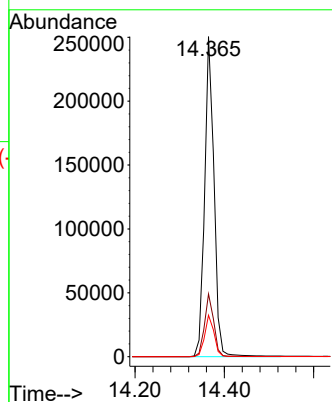
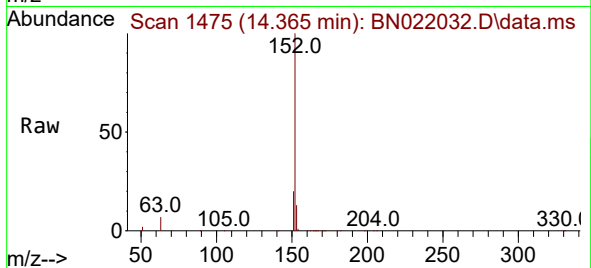




#16
Acenaphthylene
Concen: 9.504 ng
RT: 14.365 min Scan# 1476
Delta R.T. -0.011 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

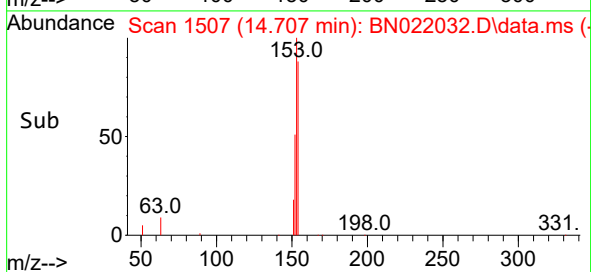
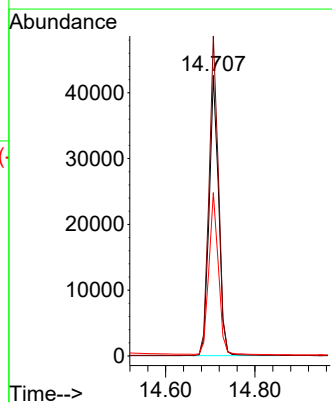
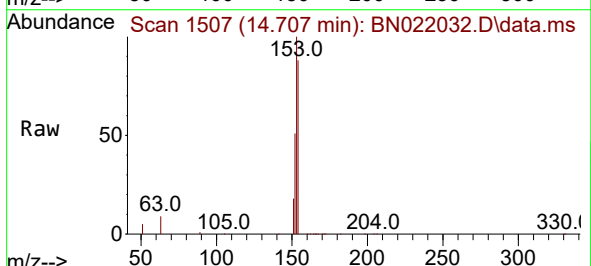
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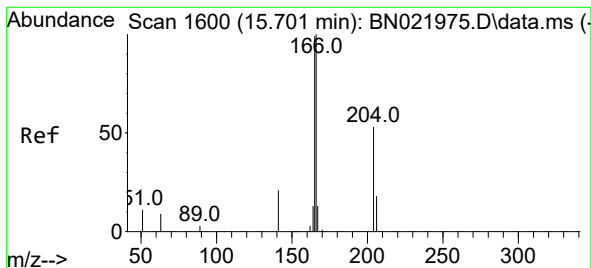
Tgt Ion:152 Resp: 364661
Ion Ratio Lower Upper
152 100
151 19.5 15.5 23.3
153 13.0 10.4 15.6



#17
Acenaphthene
Concen: 2.313 ng
RT: 14.707 min Scan# 1507
Delta R.T. -0.011 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

Tgt Ion:154 Resp: 62390
Ion Ratio Lower Upper
154 100
153 113.8 92.1 138.1
152 58.3 47.8 71.6





#18

Fluorene

Concen: 4.362 ng

RT: 15.690 min Scan# 1

Delta R.T. -0.011 min

Lab File: BN022032.D

Acq: 07 Oct 2022 10:30

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

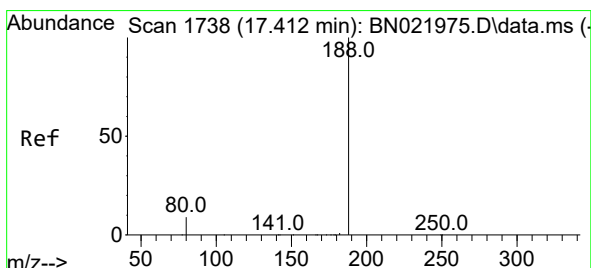
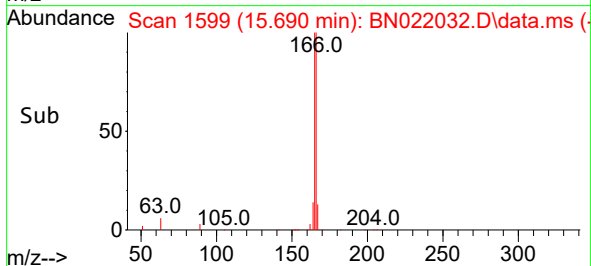
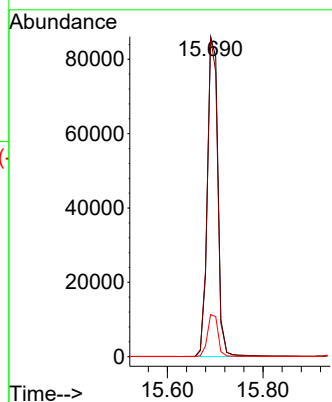
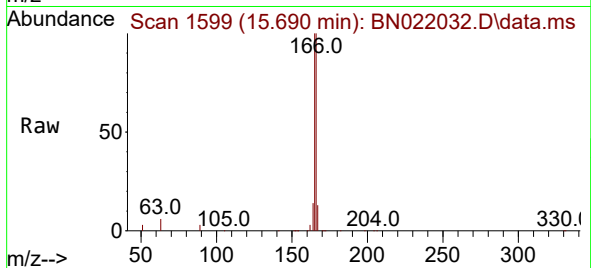
Tgt Ion:166 Resp: 141867

Ion Ratio Lower Upper

166 100

165 97.4 80.0 120.0

167 13.2 10.9 16.3



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.400 min Scan# 1737

Delta R.T. -0.012 min

Lab File: BN022032.D

Acq: 07 Oct 2022 10:30

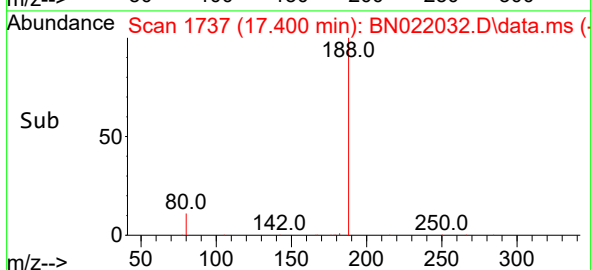
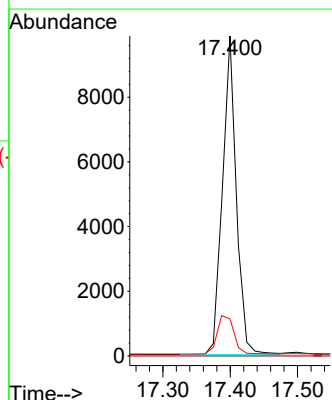
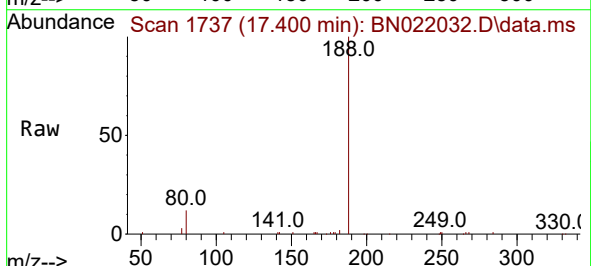
Tgt Ion:188 Resp: 14038

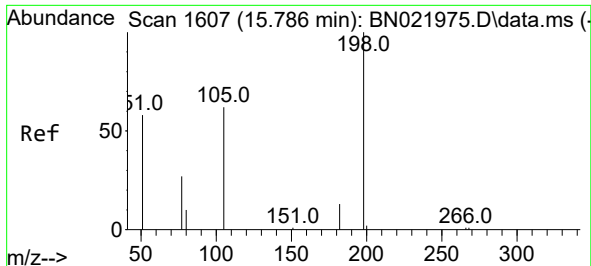
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.6 7.5 11.3#

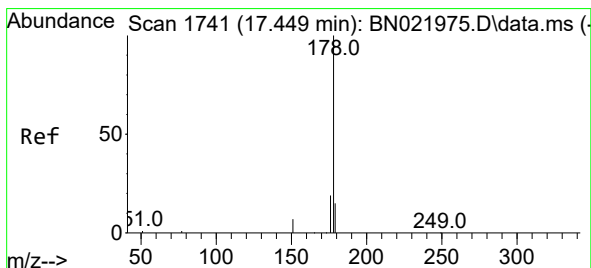
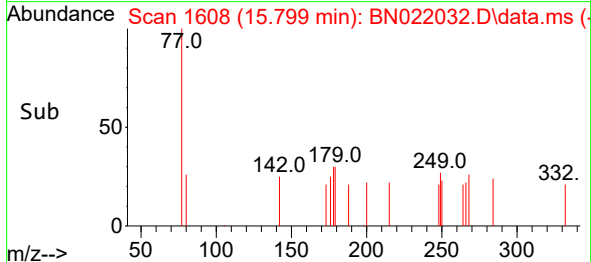
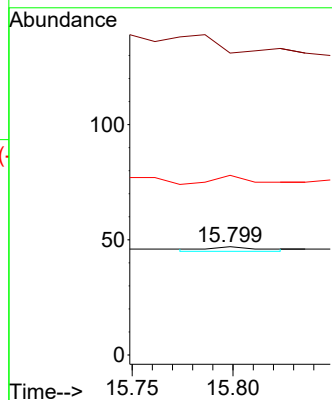
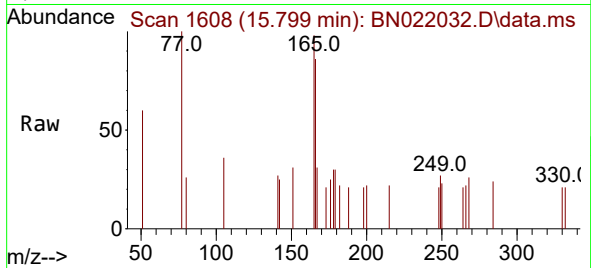




#20
4,6-Dinitro-2-methylphenol
Concen: 0.193 ng
RT: 15.799 min Scan# 1
Delta R.T. 0.013 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

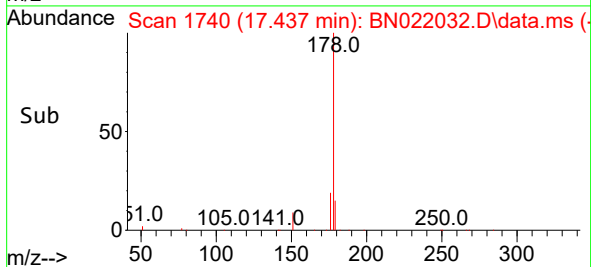
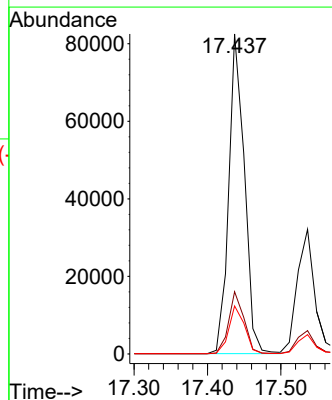
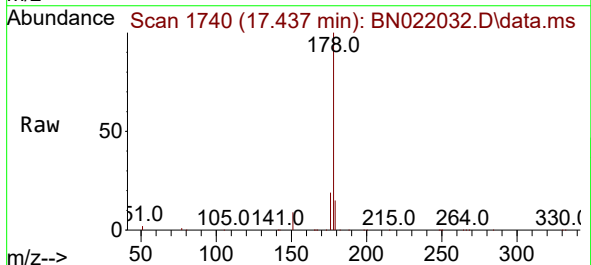
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

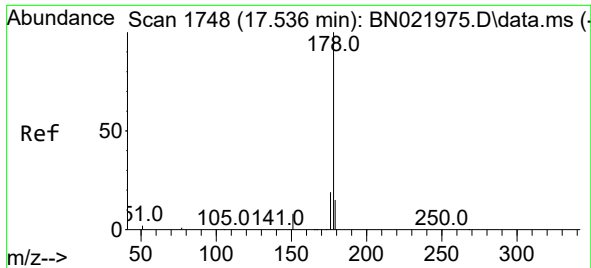
Tgt Ion:198 Resp: 4
Ion Ratio Lower Upper
198 100
51 278.7 96.6 144.8#
105 166.0 64.4 96.6#



#25
Phenanthrene
Concen: 2.530 ng
RT: 17.437 min Scan# 1740
Delta R.T. -0.012 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

Tgt Ion:178 Resp: 122101
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.1 12.2 18.2

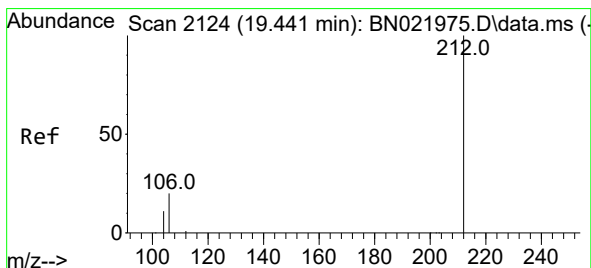
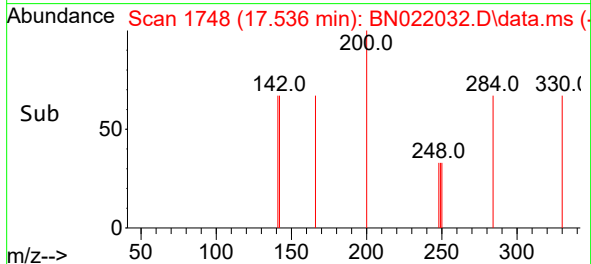
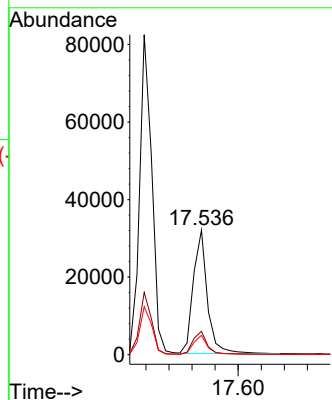
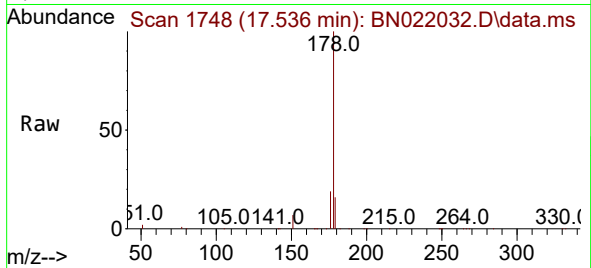




#26
 Anthracene
 Concen: 1.396 ng
 RT: 17.536 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN022032.D
 Acq: 07 Oct 2022 10:30

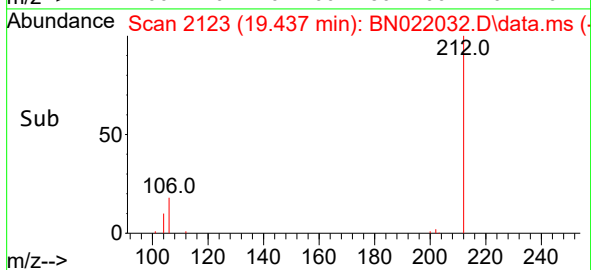
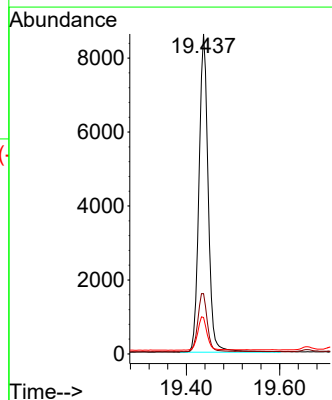
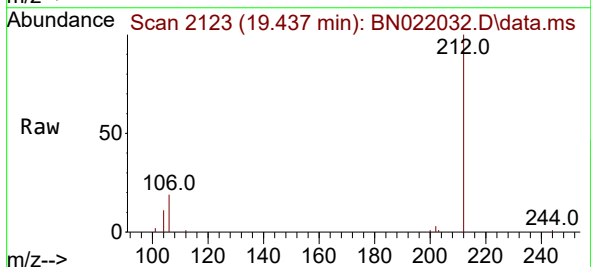
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

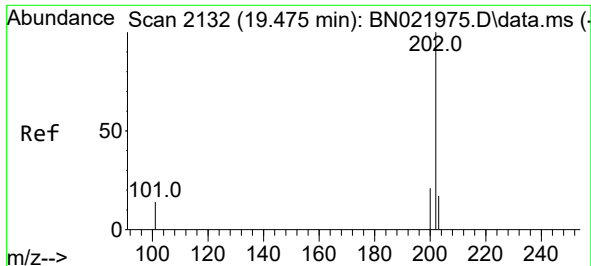
Tgt Ion:178 Resp: 54085
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 15.1 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.314 ng
 RT: 19.437 min Scan# 2123
 Delta R.T. -0.004 min
 Lab File: BN022032.D
 Acq: 07 Oct 2022 10:30

Tgt Ion:212 Resp: 11724
 Ion Ratio Lower Upper
 212 100
 106 18.9 15.2 22.8
 104 10.8 8.6 13.0

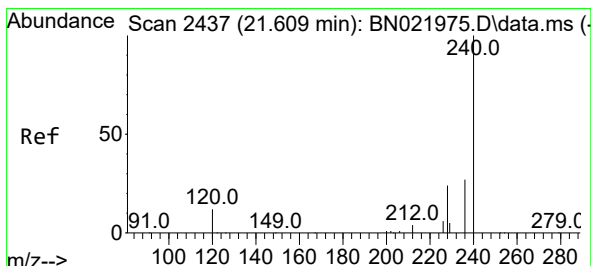
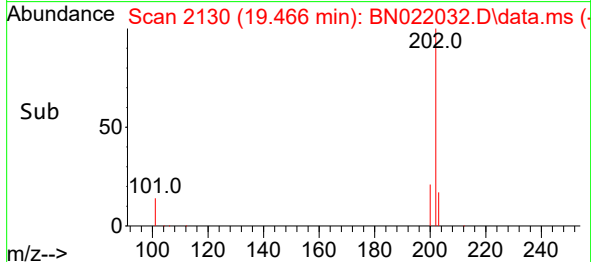
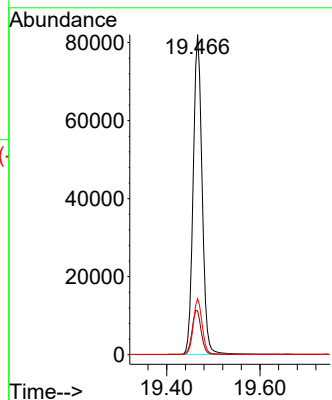
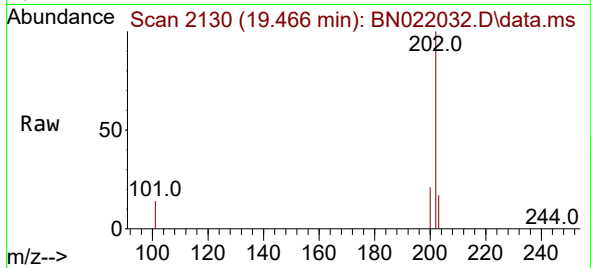




#28
Fluoranthene
Concen: 2.114 ng
RT: 19.466 min Scan# 2132
Delta R.T. -0.008 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

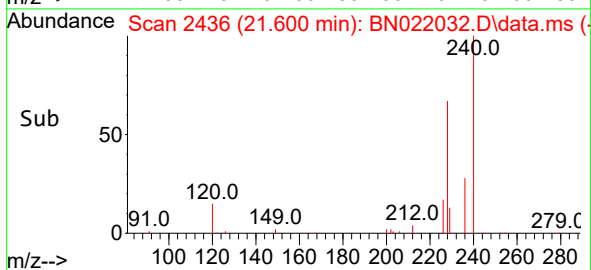
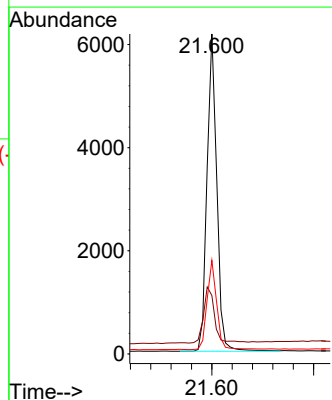
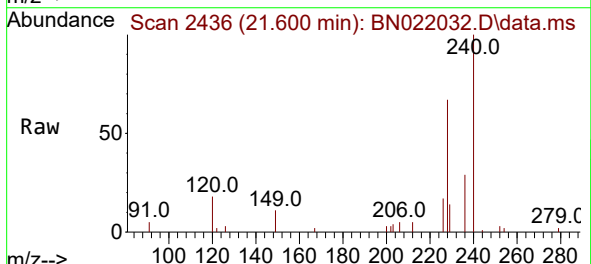
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

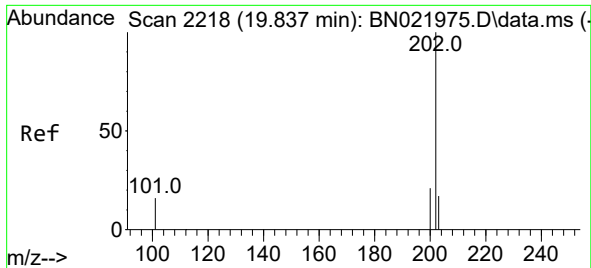
Tgt Ion:202 Resp: 109305
Ion Ratio Lower Upper
202 100
101 14.1 11.4 17.0
203 17.2 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.600 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

Tgt Ion:240 Resp: 8197
Ion Ratio Lower Upper
240 100
120 18.3 11.8 17.6#
236 29.3 22.4 33.6

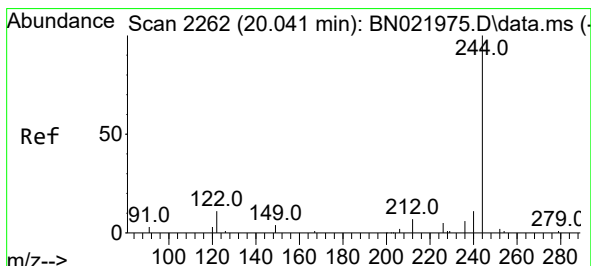
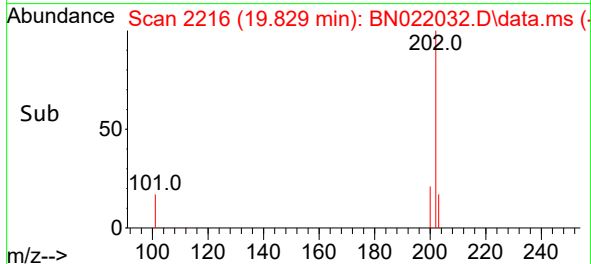
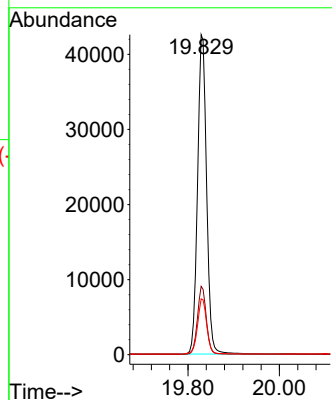
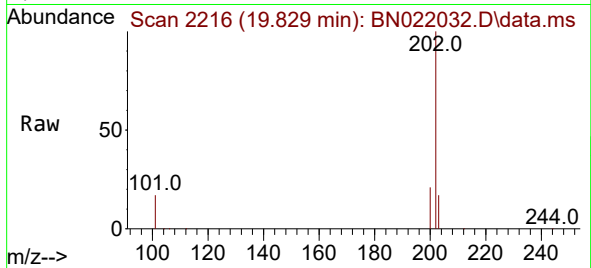




#30
Pyrene
Concen: 1.628 ng
RT: 19.829 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

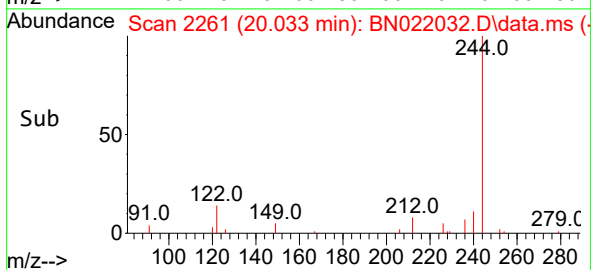
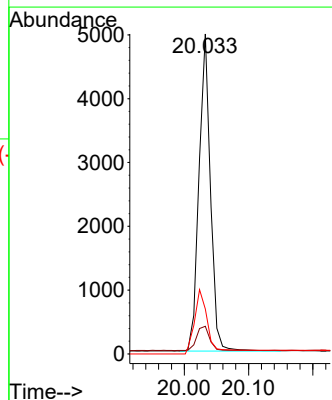
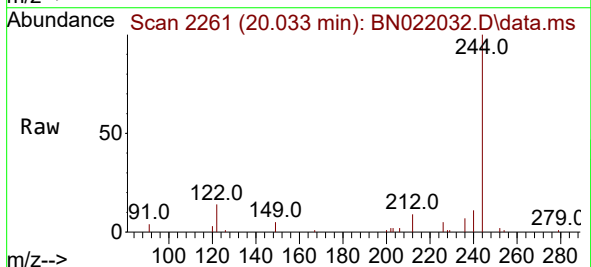
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

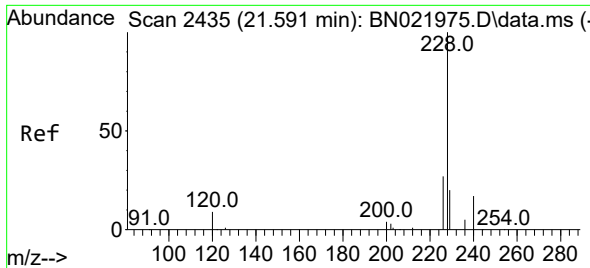
Tgt Ion:202 Resp: 58595
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 17.5 14.1 21.1



#31
Terphenyl-d14
Concen: 0.341 ng
RT: 20.033 min Scan# 2261
Delta R.T. -0.009 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

Tgt Ion:244 Resp: 5627
Ion Ratio Lower Upper
244 100
212 8.6 6.5 9.7
122 14.0 9.1 13.7#

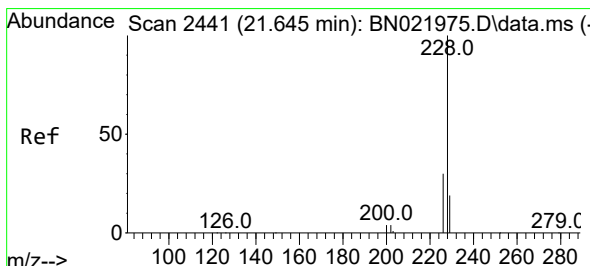
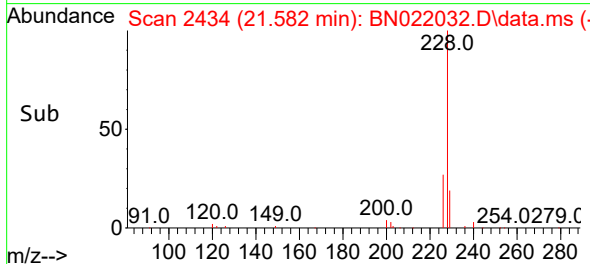
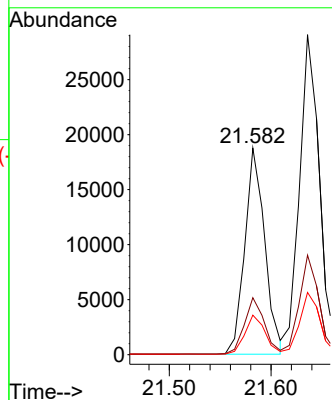
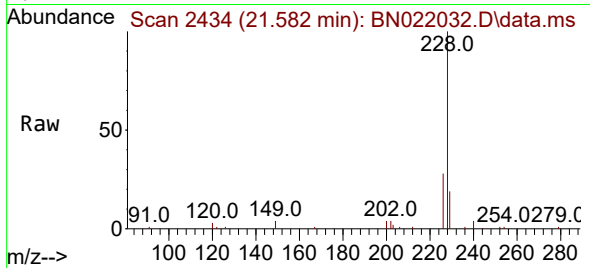




#32
Benzo(a)anthracene
Concen: 0.827 ng
RT: 21.582 min Scan# 2435
Delta R.T. -0.009 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

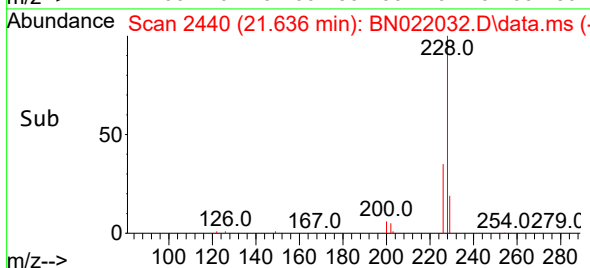
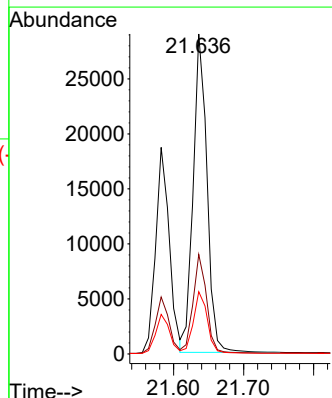
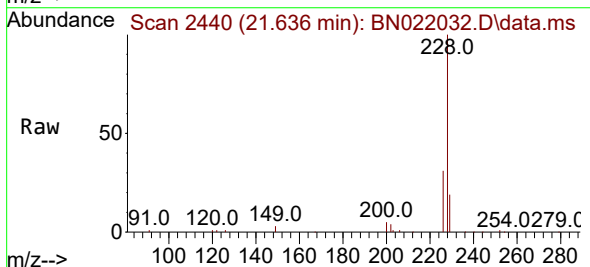
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

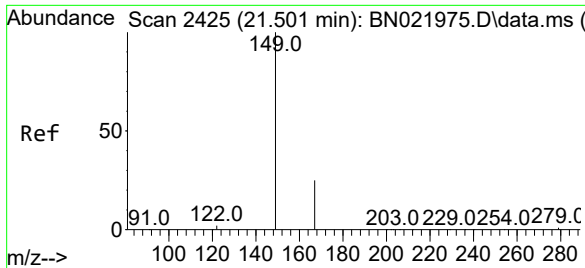
Tgt Ion:228 Resp: 25505
Ion Ratio Lower Upper
228 100
226 27.6 22.2 33.4
229 19.2 16.2 24.2



#33
Chrysene
Concen: 1.161 ng
RT: 21.636 min Scan# 2440
Delta R.T. -0.009 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

Tgt Ion:228 Resp: 39716
Ion Ratio Lower Upper
228 100
226 31.1 24.2 36.2
229 19.5 15.8 23.6

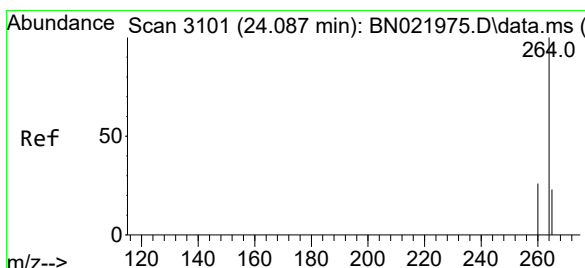
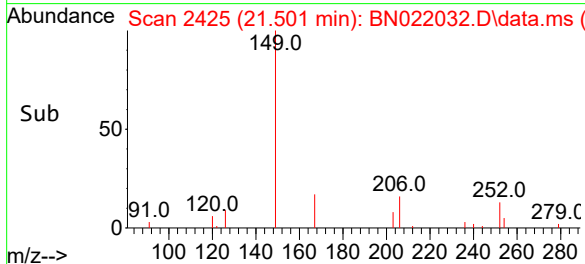
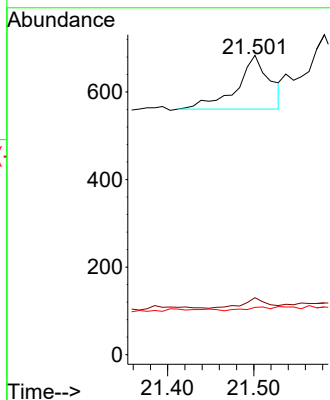
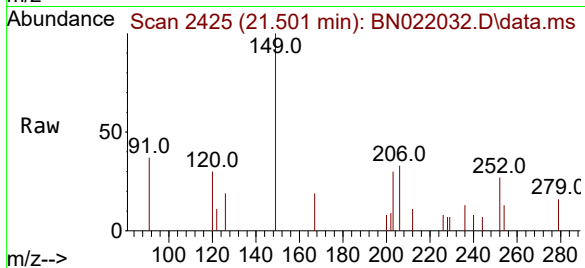




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.022 ng
 RT: 21.501 min Scan# 2425
 Delta R.T. 0.000 min
 Lab File: BN022032.D
 Acq: 07 Oct 2022 10:30

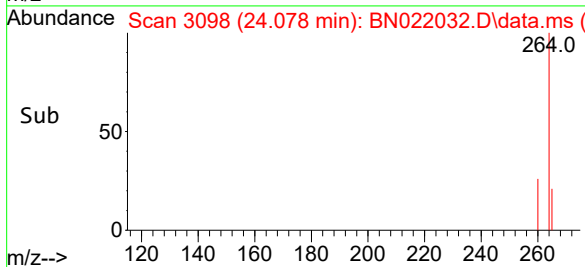
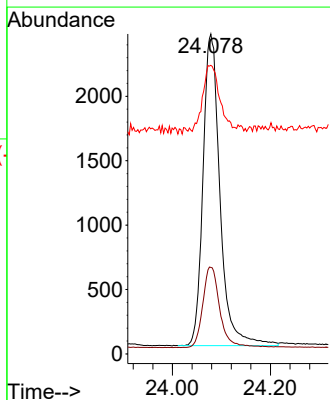
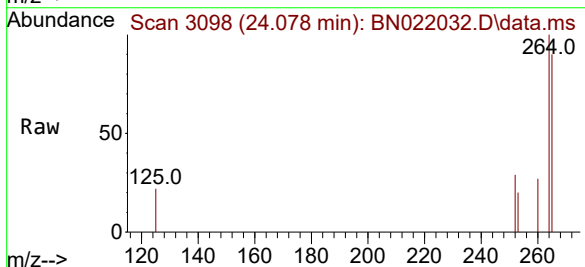
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

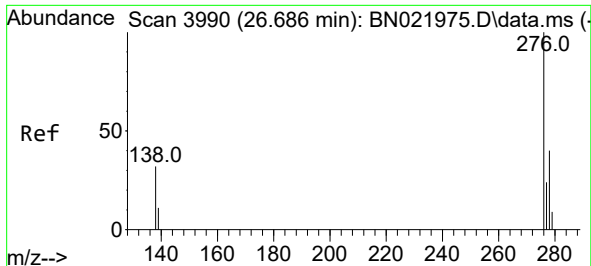
Tgt Ion:149 Resp: 326
 Ion Ratio Lower Upper
 149 100
 167 13.5 20.2 30.4#
 279 5.2 2.3 3.5#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.078 min Scan# 3098
 Delta R.T. -0.009 min
 Lab File: BN022032.D
 Acq: 07 Oct 2022 10:30

Tgt Ion:264 Resp: 5834
 Ion Ratio Lower Upper
 264 100
 260 27.0 21.3 31.9
 265 90.2 63.0 94.4

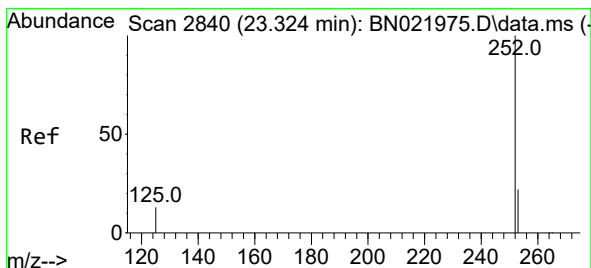
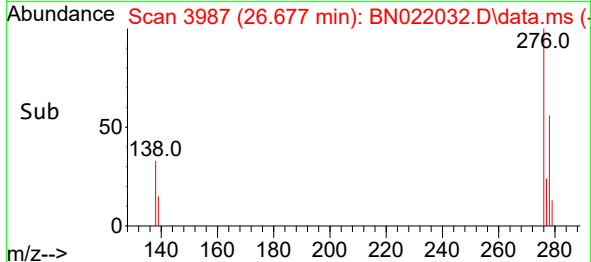
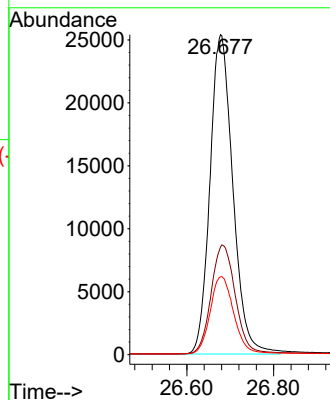
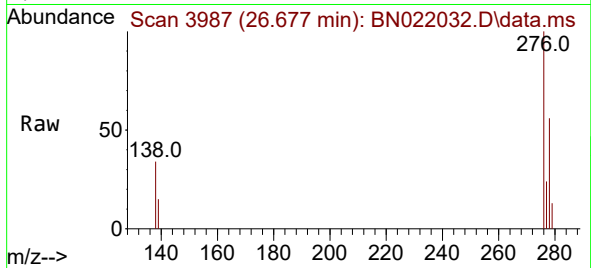




#36
Indeno(1,2,3-cd)pyrene
Concen: 3.153 ng
RT: 26.677 min Scan# 3990
Delta R.T. -0.009 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

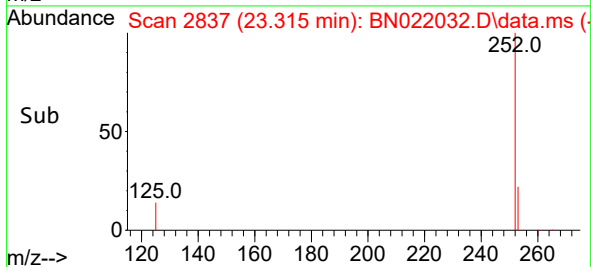
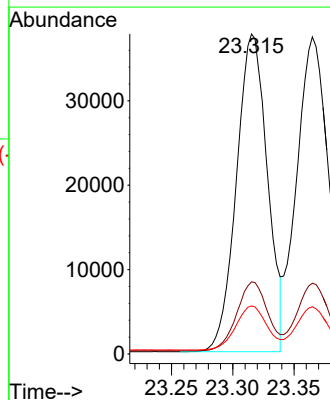
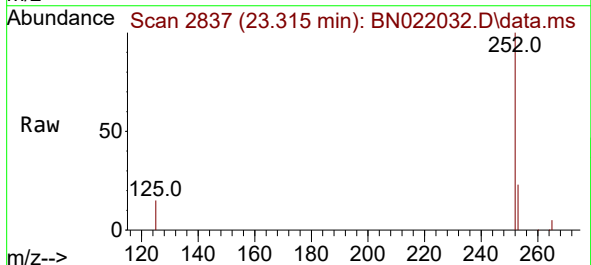
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

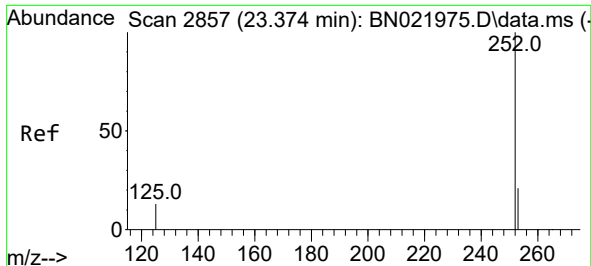
Tgt Ion:276 Resp: 92947
Ion Ratio Lower Upper
276 100
138 35.9 28.0 42.0
277 24.9 19.8 29.8



#37
Benzo(b)fluoranthene
Concen: 2.385 ng
RT: 23.315 min Scan# 2837
Delta R.T. -0.009 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

Tgt Ion:252 Resp: 65949
Ion Ratio Lower Upper
252 100
253 22.6 20.6 31.0
125 15.0 15.6 23.4#

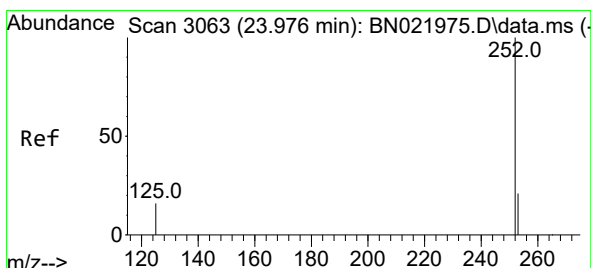
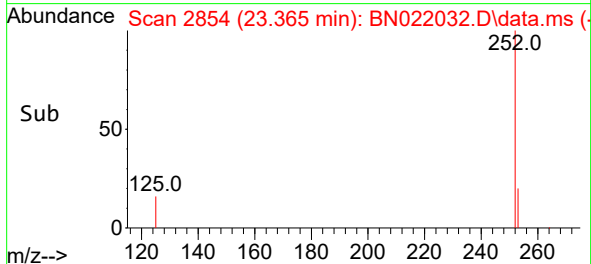
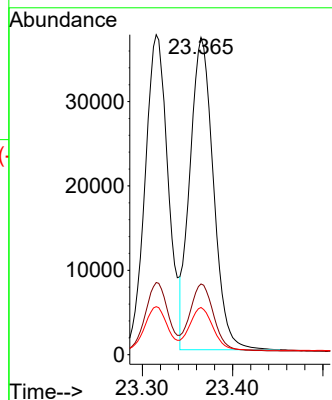
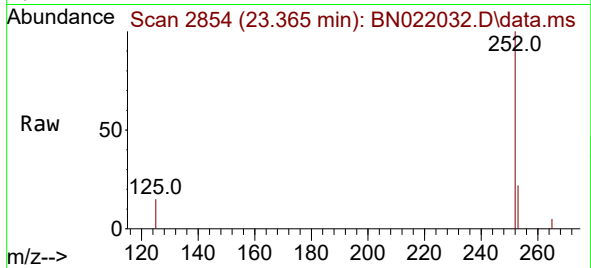




#38
Benzo(k)fluoranthene
Concen: 2.428 ng
RT: 23.365 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

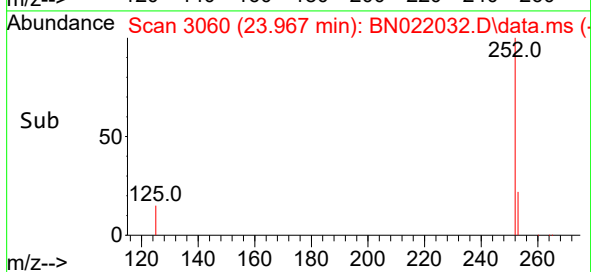
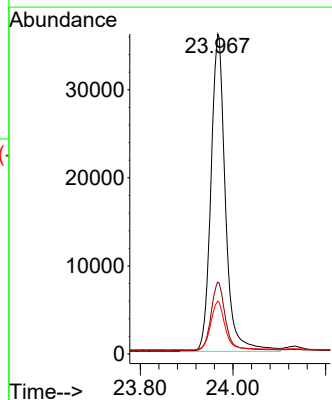
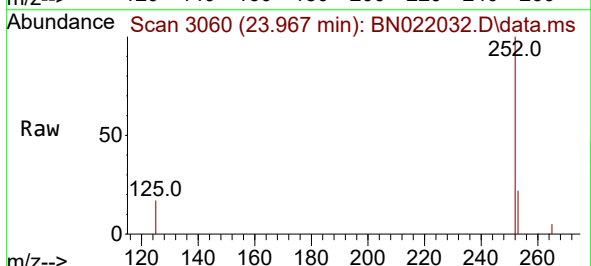
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

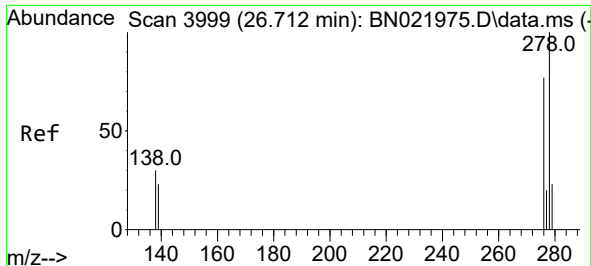
Tgt Ion:252 Resp: 66832
Ion Ratio Lower Upper
252 100
253 22.3 20.4 30.6
125 14.9 15.8 23.6#



#39
Benzo(a)pyrene
Concen: 3.703 ng
RT: 23.967 min Scan# 3060
Delta R.T. -0.009 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

Tgt Ion:252 Resp: 78116
Ion Ratio Lower Upper
252 100
253 22.5 23.2 34.8#
125 16.6 21.1 31.7#

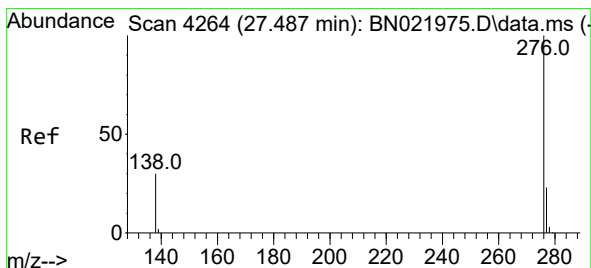
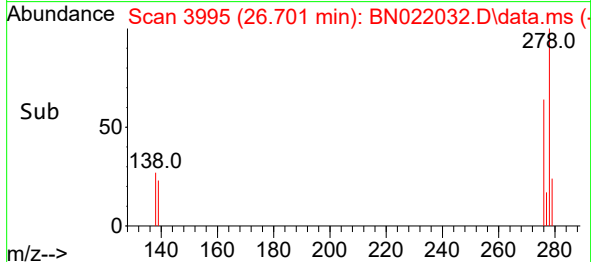
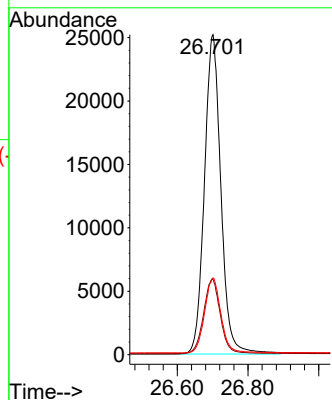
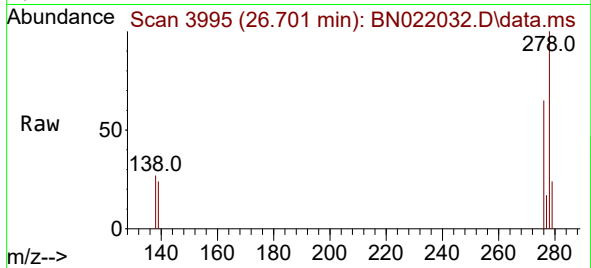




#40
Dibenzo(a,h)anthracene
Concen: 3.465 ng
RT: 26.701 min Scan# 3995
Delta R.T. -0.012 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:278 Resp: 81456
Ion Ratio Lower Upper
278 100
139 23.5 19.9 29.9
279 24.0 21.9 32.9



#41
Benzo(g,h,i)perylene
Concen: 3.245 ng
RT: 27.479 min Scan# 4261
Delta R.T. -0.009 min
Lab File: BN022032.D
Acq: 07 Oct 2022 10:30

Tgt Ion:276 Resp: 82345
Ion Ratio Lower Upper
276 100
277 23.8 20.0 30.0
138 30.3 25.2 37.8

