

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091923\
 Data File : BN027746.D
 Acq On : 19 Sep 2023 10:31
 Operator : MA/JU
 Sample : 04346-21
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

Quant Time: Sep 19 11:03:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 14:40:21 2023
 Response via : Initial Calibration

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

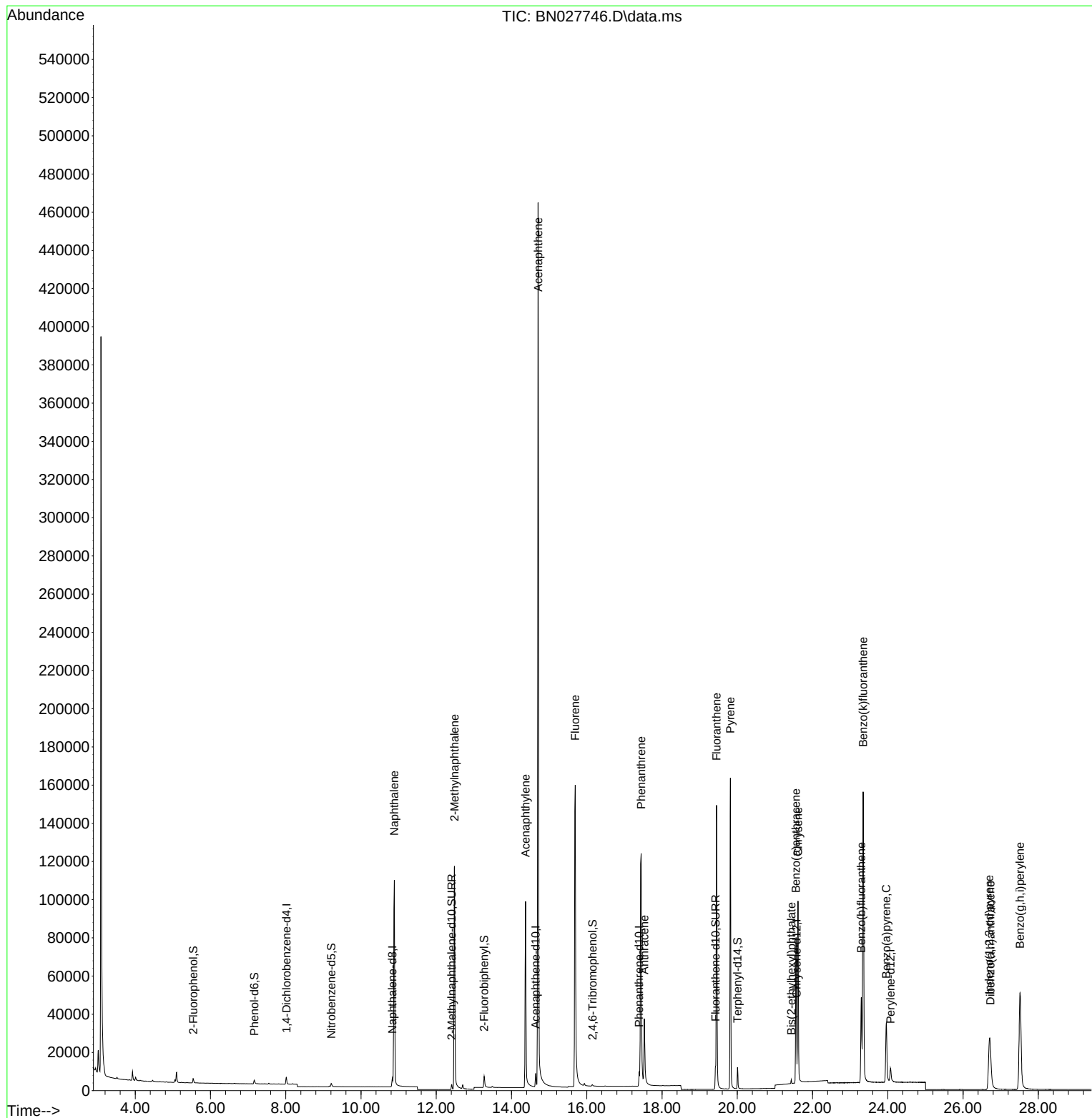
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.015	152	1972	0.400	ng	0.00
7) Naphthalene-d8	10.831	136	6412	0.400	ng	0.00
13) Acenaphthene-d10	14.640	164	4257	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	11953	0.400	ng	0.00
29) Chrysene-d12	21.578	240	12725	0.400	ng	0.00
35) Perylene-d12	24.072	264	12026	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.545	112	2167	0.419	ng	0.00
5) Phenol-d6	7.163	99	2514	0.398	ng	0.00
8) Nitrobenzene-d5	9.208	82	2093	0.402	ng	0.00
11) 2-Methylnaphthalene-d10	12.411	152	4116	0.435	ng	0.00
14) 2,4,6-Tribromophenol	16.152	330	571	0.287	ng	0.01
15) 2-Fluorobiphenyl	13.272	172	6626	0.457	ng	0.00
27) Fluoranthene-d10	19.421	212	14092	0.422	ng	0.00
31) Terphenyl-d14	20.006	244	11936	0.500	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.885	128	155316	8.793	ng	100
12) 2-Methylnaphthalene	12.483	142	94253	7.617	ng	99
16) Acenaphthylene	14.373	152	117507	6.484	ng	100
17) Acenaphthene	14.705	154	236744	18.806	ng	99
18) Fluorene	15.693	166	152989	8.241	ng	100
25) Phenanthrene	17.443	178	165676	4.765	ng	100
26) Anthracene	17.530	178	47889	1.599	ng	99
28) Fluoranthene	19.449	202	143760	3.157	ng	100
30) Pyrene	19.816	202	148075	3.412	ng	99
32) Benzo(a)anthracene	21.560	228	67256	1.478	ng	99
33) Chrysene	21.614	228	85839	1.780	ng	100
34) Bis(2-ethylhexyl)phtha...	21.435	149	2023	0.094	ng	# 100
36) Indeno(1,2,3-cd)pyrene	26.697	276	58107	1.069	ng	97
37) Benzo(b)fluoranthene	23.294	252	60380	1.353	ng	97
38) Benzo(k)fluoranthene	23.344	252	221922	4.875	ng	100
39) Benzo(a)pyrene	23.961	252	56402	1.330	ng	96
40) Dibenzo(a,h)anthracene	26.729	278	28913	0.650	ng	97
41) Benzo(g,h,i)perylene	27.513	276	129920	2.687	ng	99

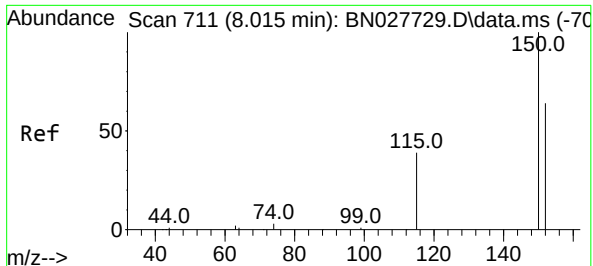
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091923\
Data File : BN027746.D
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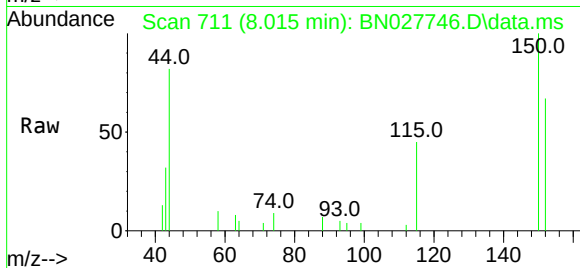
Quant Time: Sep 19 11:03:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 18 14:40:21 2023
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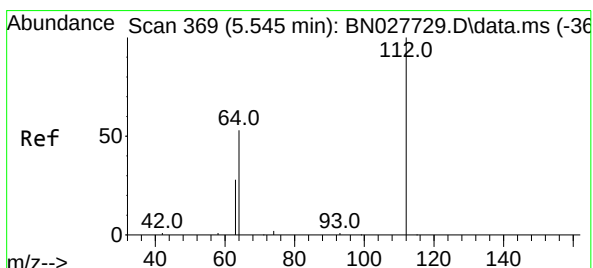
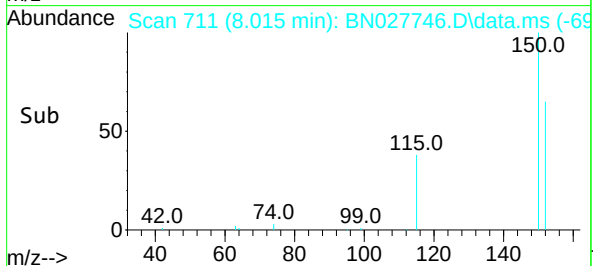
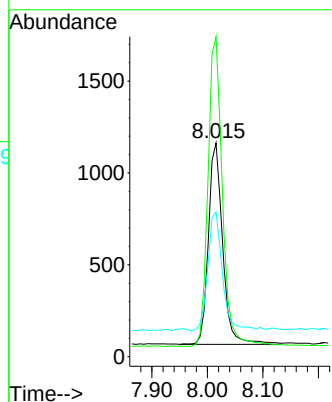
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.015 min Scan# 711
Delta R.T. 0.000 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP



Tgt Ion:152 Resp: 1972

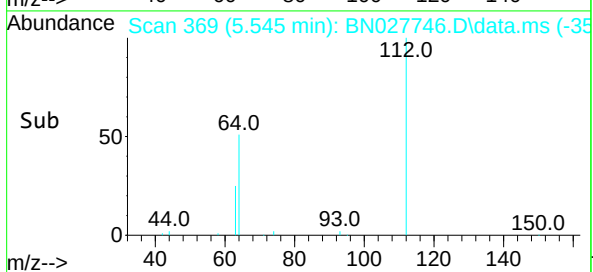
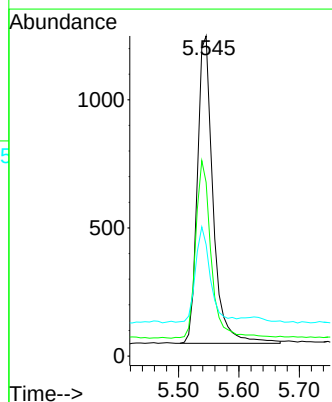
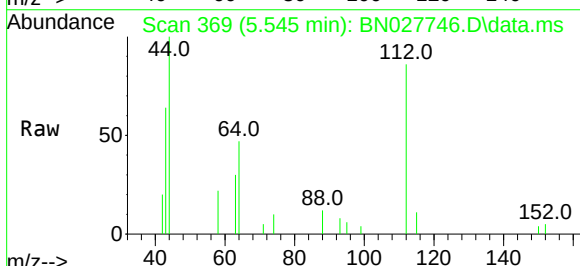
Ion	Ratio	Lower	Upper
152	100		
150	149.8	119.2	178.8
115	67.7	53.8	80.8

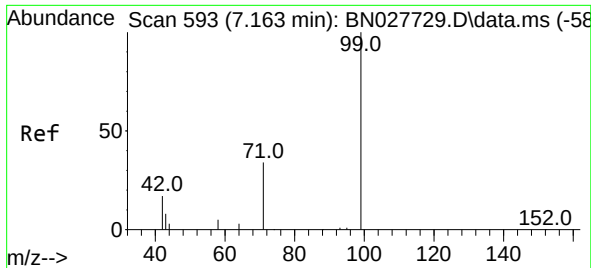


#4
2-Fluorophenol
Concen: 0.419 ng
RT: 5.545 min Scan# 369
Delta R.T. 0.000 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

Tgt Ion:112 Resp: 2167

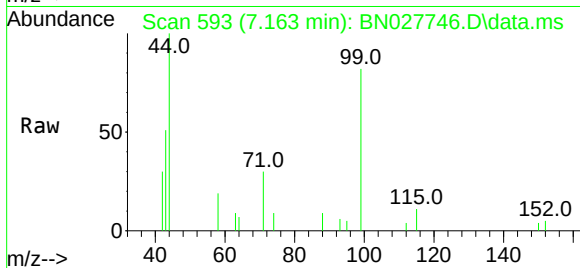
Ion	Ratio	Lower	Upper
112	100		
64	56.9	45.0	67.6
63	29.1	24.1	36.1



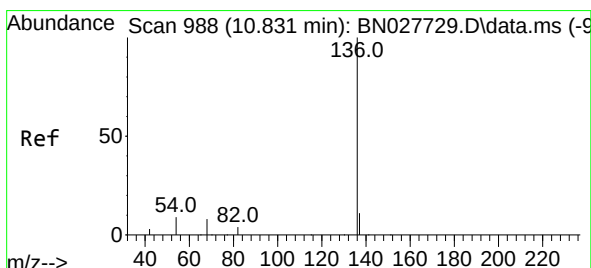
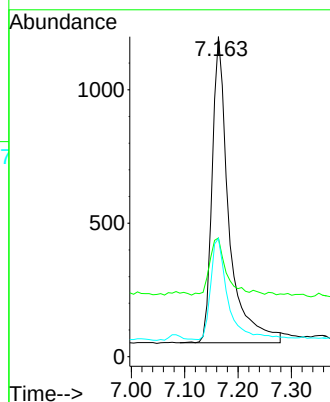
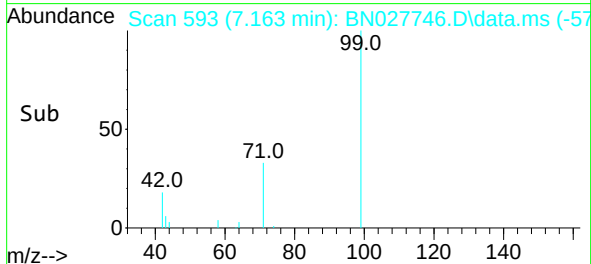


#5
Phenol-d6
Concen: 0.398 ng
RT: 7.163 min Scan# 593
Delta R.T. 0.007 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

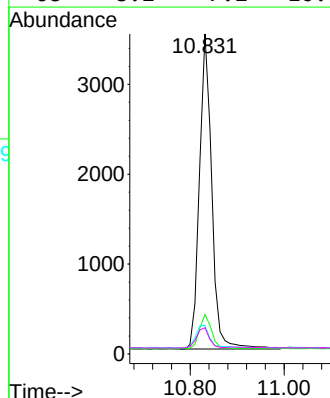
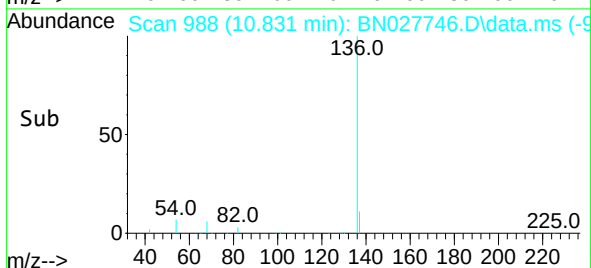
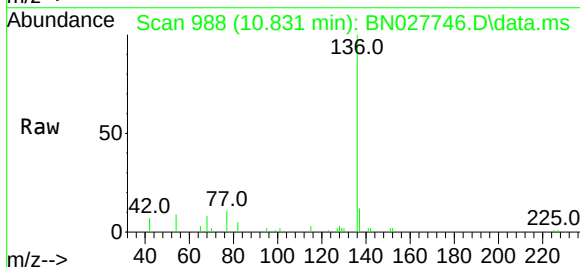


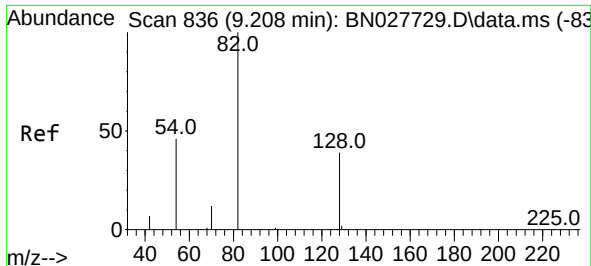
Tgt Ion:	99	Resp:	2514
Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.8	23.8
71	33.4	27.3	40.9



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.831 min Scan# 988
Delta R.T. 0.000 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

Tgt Ion:	136	Resp:	6412
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.8
54	8.9	7.8	11.6
68	8.2	7.2	10.8

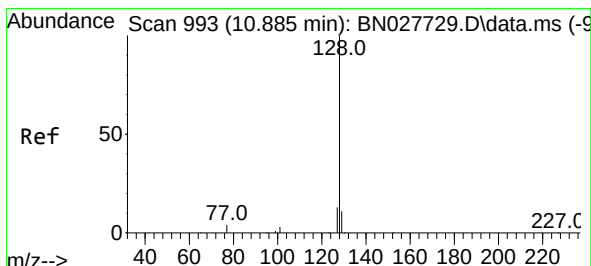
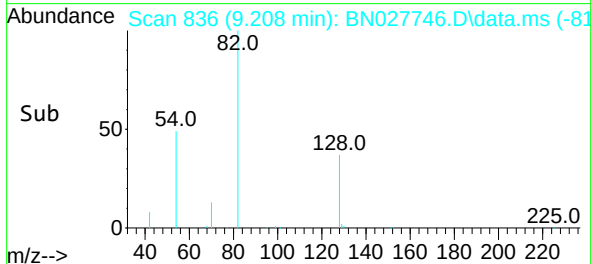
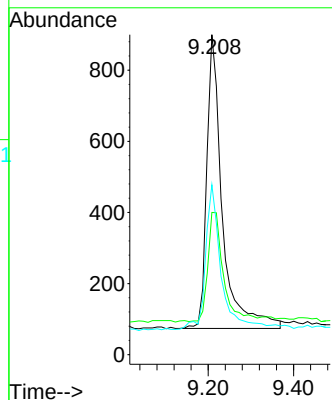
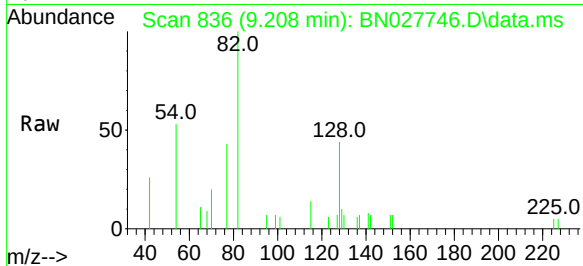




#8
Nitrobenzene-d5
Concen: 0.402 ng
RT: 9.208 min Scan# 836
Delta R.T. 0.000 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

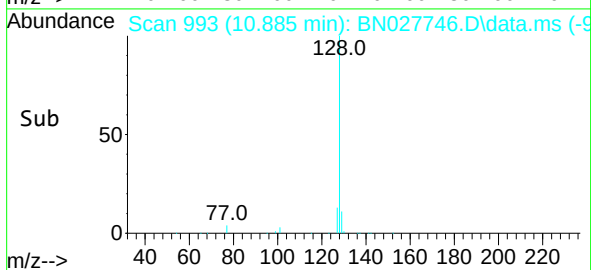
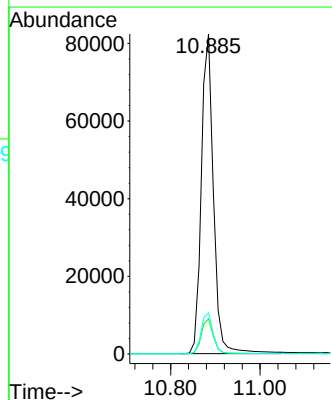
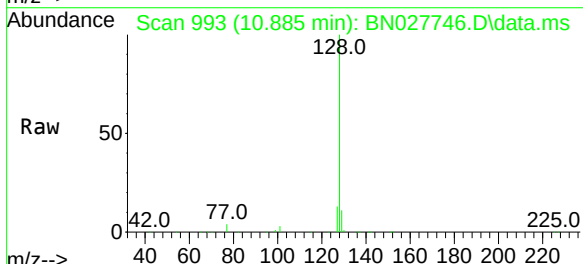
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

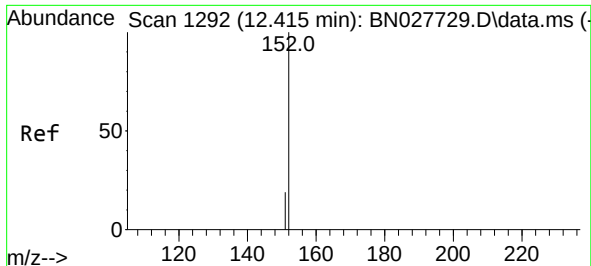
Tgt Ion: 82 Resp: 2093
Ion Ratio Lower Upper
82 100
128 44.4 35.1 52.7
54 53.1 35.1 52.7#



#9
Naphthalene
Concen: 8.793 ng
RT: 10.885 min Scan# 993
Delta R.T. 0.000 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

Tgt Ion: 128 Resp: 155316
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.9 10.4 15.6





#11

2-Methylnaphthalene-d10

Concen: 0.435 ng

RT: 12.411 min Scan# 1310

Delta R.T. 0.000 min

Lab File: BN027746.D

Acq: 19 Sep 2023 10:31

Instrument :

BNA_N

ClientSampleId :

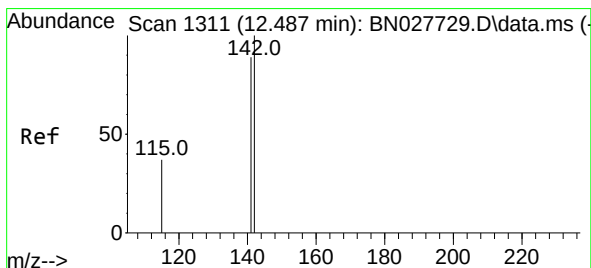
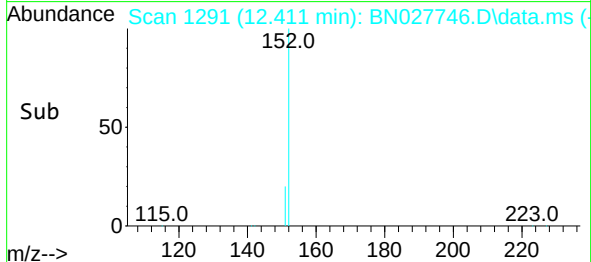
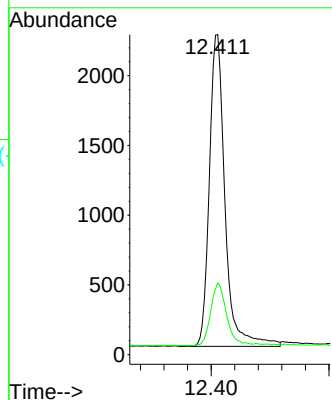
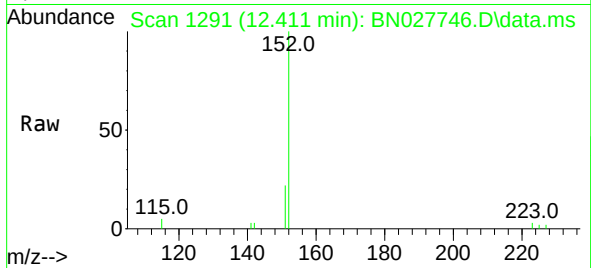
RR-PAH-WP

Tgt Ion:152 Resp: 4116

Ion Ratio Lower Upper

152 100

151 20.6 16.5 24.7



#12

2-Methylnaphthalene

Concen: 7.617 ng

RT: 12.483 min Scan# 1310

Delta R.T. 0.000 min

Lab File: BN027746.D

Acq: 19 Sep 2023 10:31

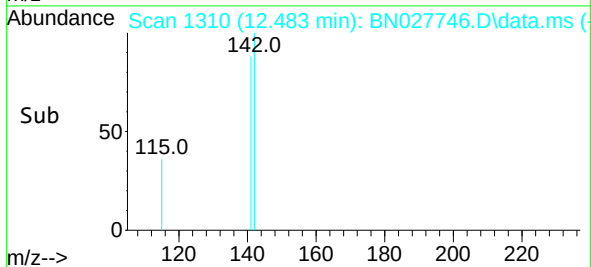
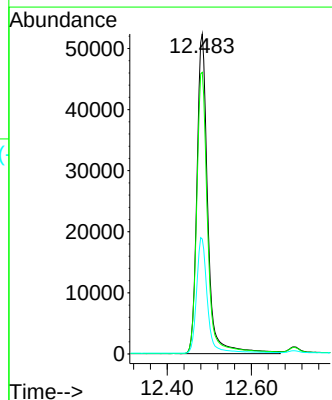
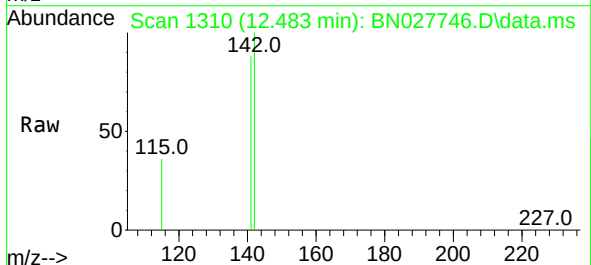
Tgt Ion:142 Resp: 94253

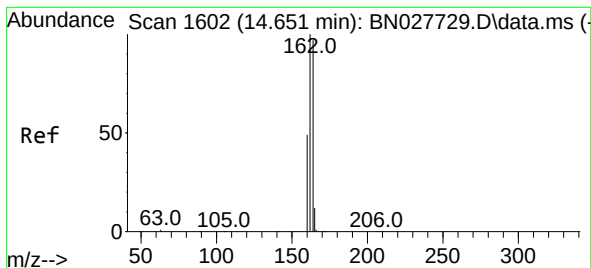
Ion Ratio Lower Upper

142 100

141 88.0 70.8 106.2

115 35.9 29.4 44.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.640 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN027746.D

Acq: 19 Sep 2023 10:31

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

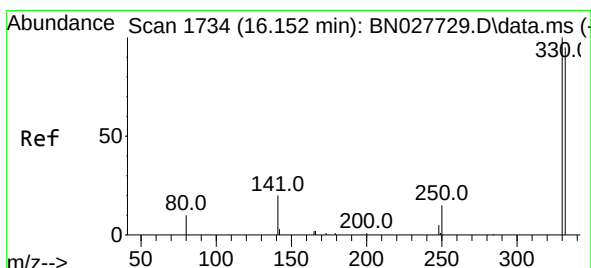
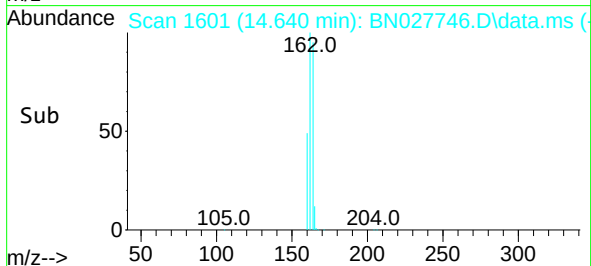
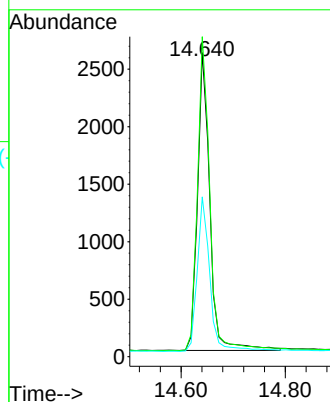
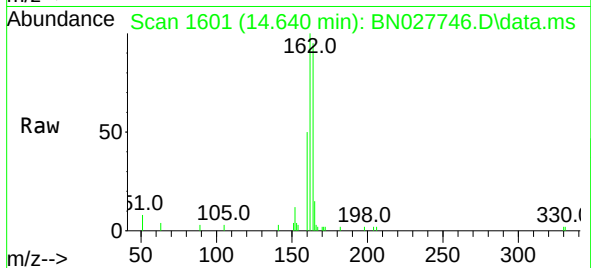
Tgt Ion:164 Resp: 4257

Ion Ratio Lower Upper

164 100

162 105.3 83.4 125.2

160 52.6 41.0 61.4



#14

2,4,6-Tribromophenol

Concen: 0.287 ng

RT: 16.152 min Scan# 1734

Delta R.T. 0.012 min

Lab File: BN027746.D

Acq: 19 Sep 2023 10:31

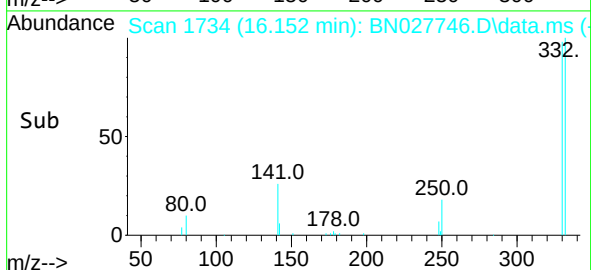
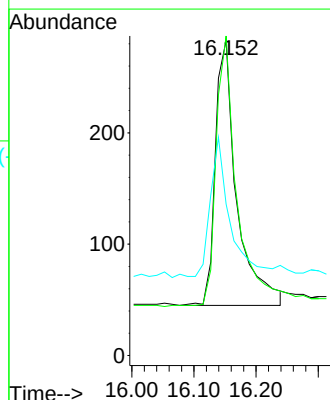
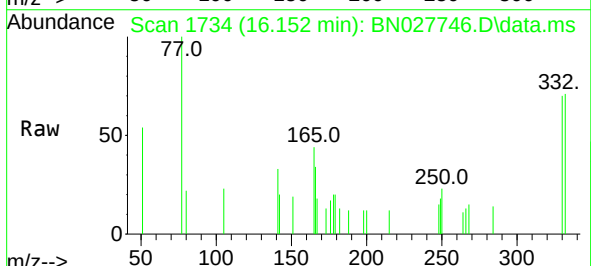
Tgt Ion:330 Resp: 571

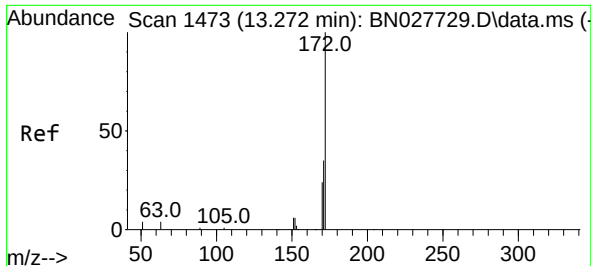
Ion Ratio Lower Upper

330 100

332 98.1 76.6 115.0

141 47.8 38.2 57.2

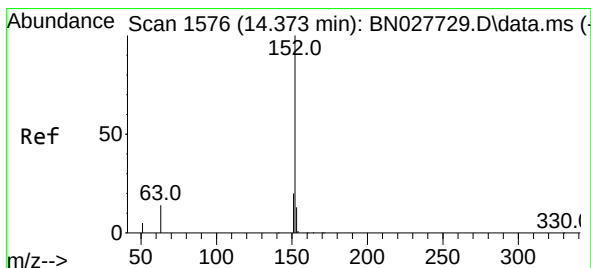
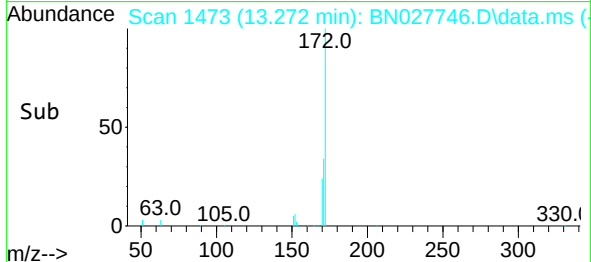
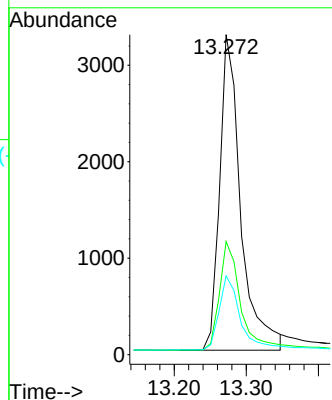
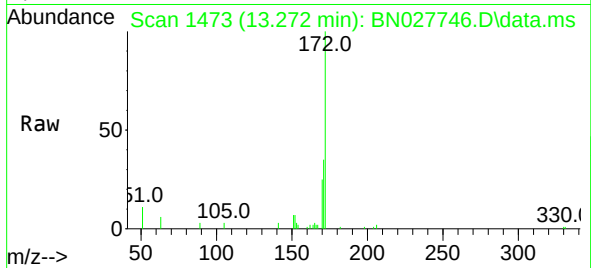




#15
2-Fluorobiphenyl
Concen: 0.457 ng
RT: 13.272 min Scan# 1473
Delta R.T. 0.000 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

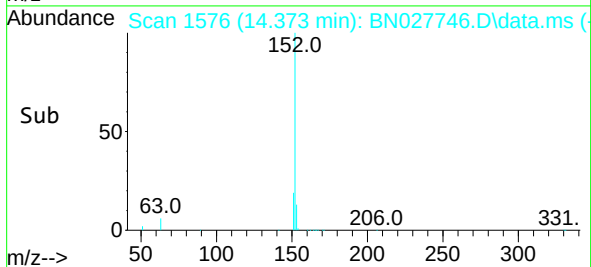
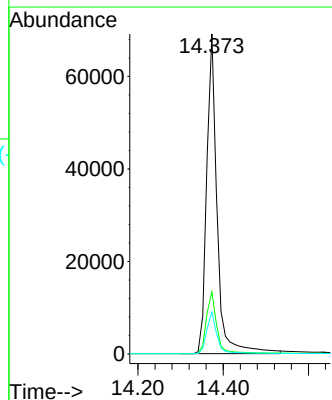
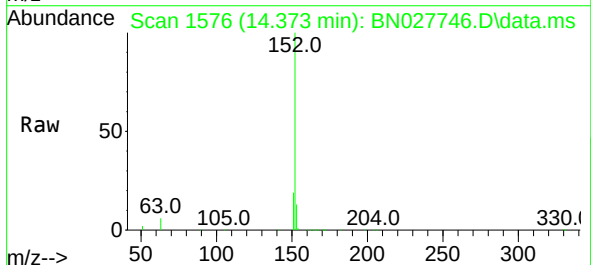
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

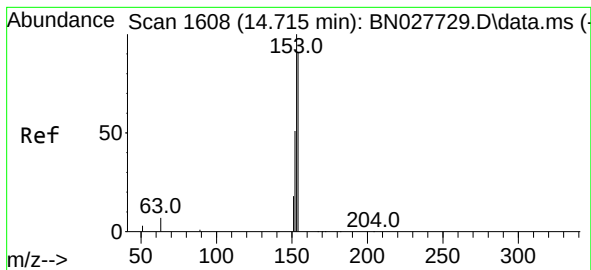
Tgt Ion:172 Resp: 6626
Ion Ratio Lower Upper
172 100
171 35.4 27.6 41.4
170 24.6 18.7 28.1



#16
Acenaphthylene
Concen: 6.484 ng
RT: 14.373 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

Tgt Ion:152 Resp: 117507
Ion Ratio Lower Upper
152 100
151 19.5 15.6 23.4
153 13.0 10.3 15.5





#17

Acenaphthene

Concen: 18.806 ng

RT: 14.705 min Scan# 1607

Delta R.T. 0.000 min

Lab File: BN027746.D

Acq: 19 Sep 2023 10:31

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

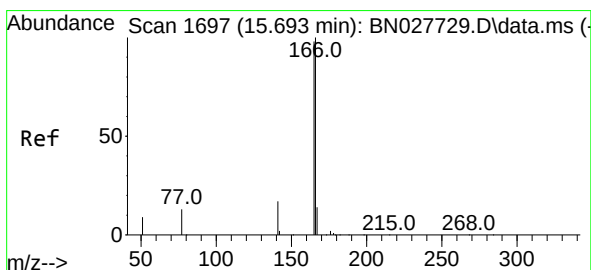
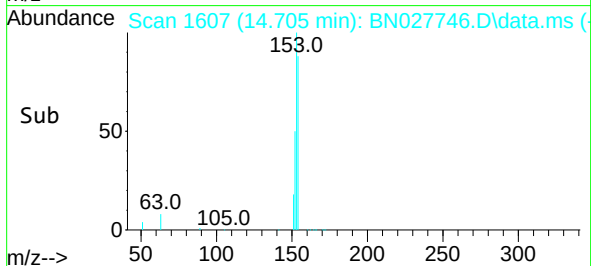
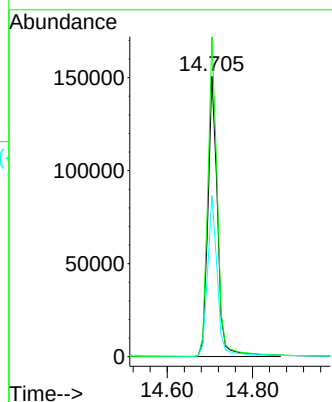
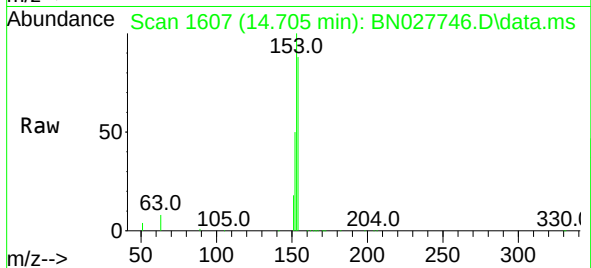
Tgt Ion:154 Resp: 236744

Ion Ratio Lower Upper

154 100

153 113.9 92.0 138.0

152 57.8 47.0 70.6



#18

Fluorene

Concen: 8.241 ng

RT: 15.693 min Scan# 1697

Delta R.T. 0.000 min

Lab File: BN027746.D

Acq: 19 Sep 2023 10:31

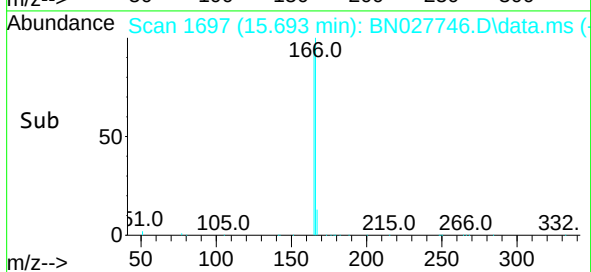
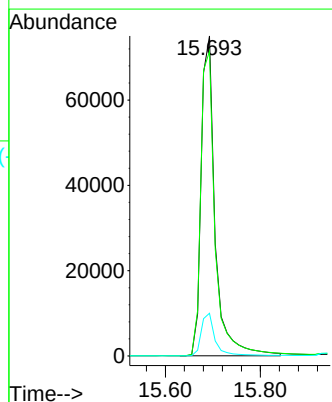
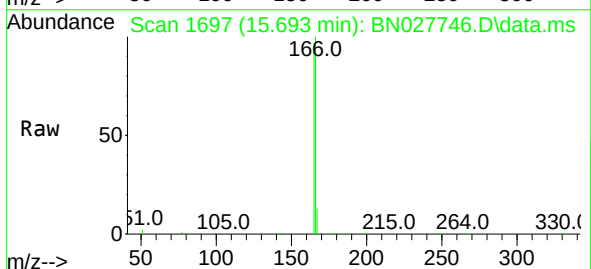
Tgt Ion:166 Resp: 152989

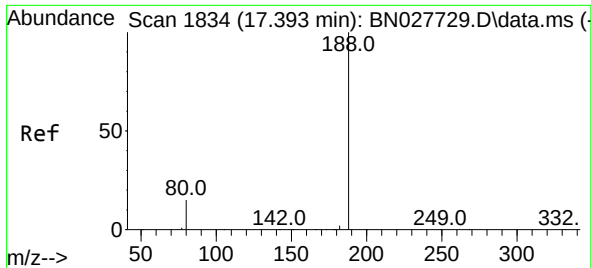
Ion Ratio Lower Upper

166 100

165 98.0 78.4 117.6

167 13.2 10.7 16.1

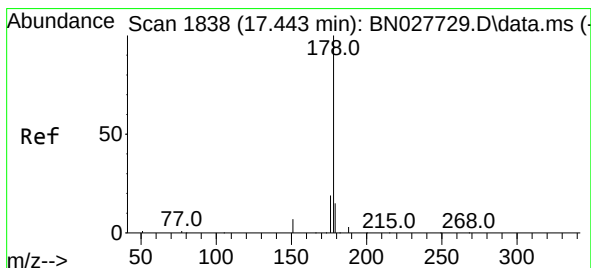
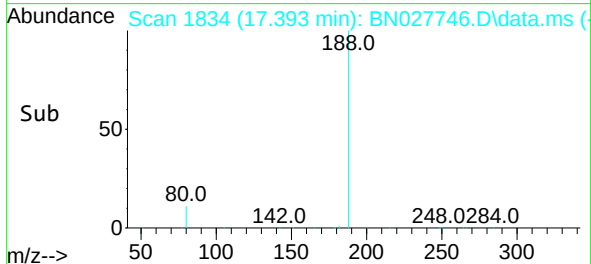
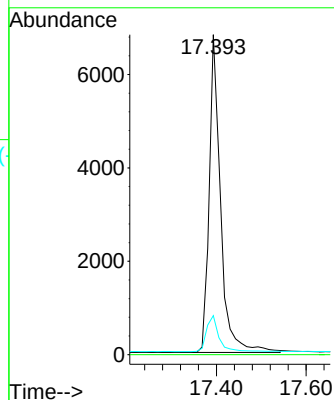
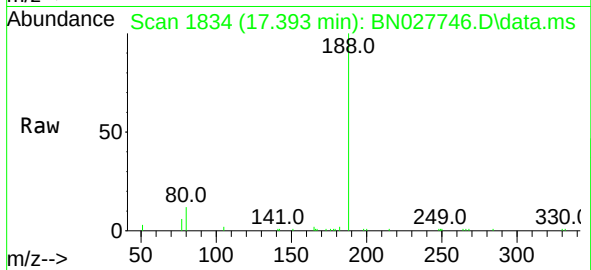




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1834
Delta R.T. 0.000 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

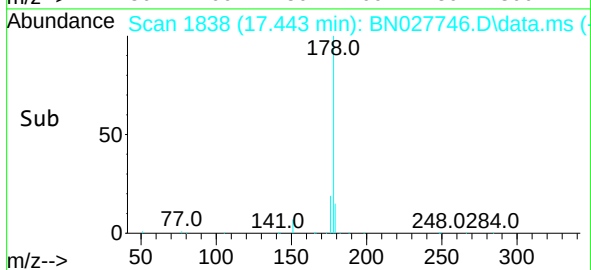
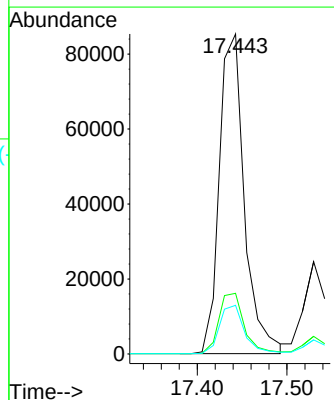
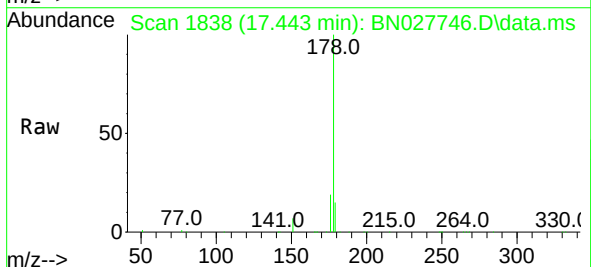
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

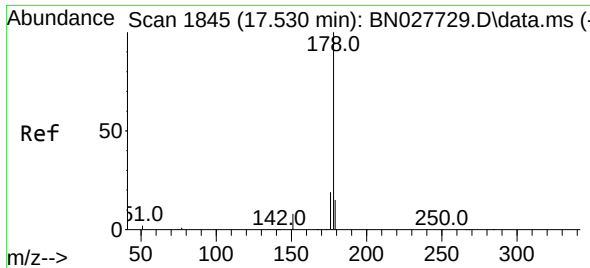
Tgt Ion:188 Resp: 11953
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.2 9.5 14.3



#25
Phenanthrene
Concen: 4.765 ng
RT: 17.443 min Scan# 1838
Delta R.T. 0.012 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

Tgt Ion:178 Resp: 165676
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.3 12.2 18.2

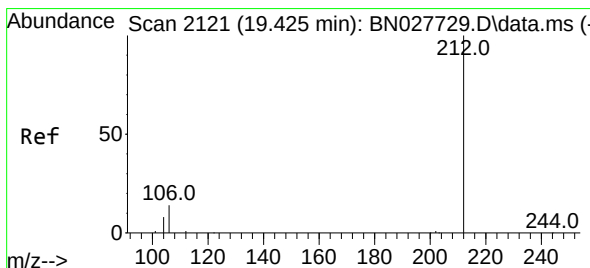
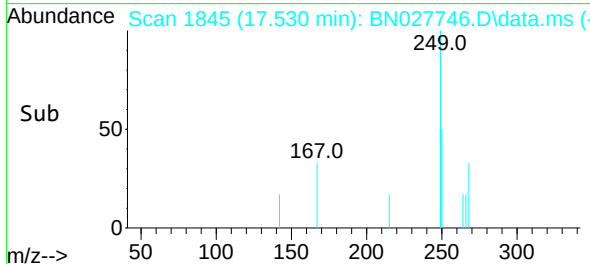
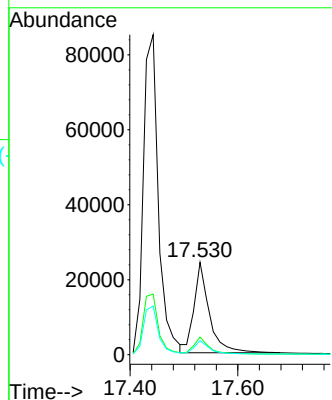
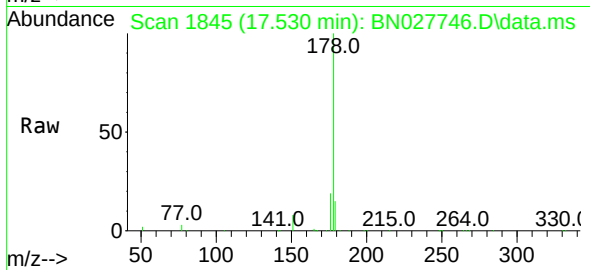




#26
 Anthracene
 Concen: 1.599 ng
 RT: 17.530 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: BN027746.D
 Acq: 19 Sep 2023 10:31

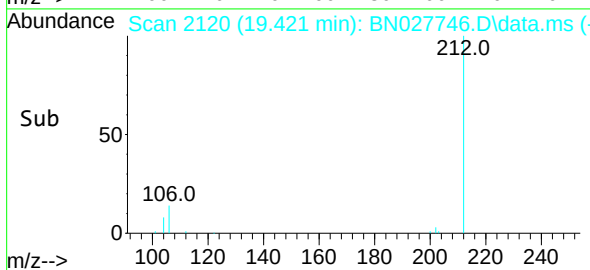
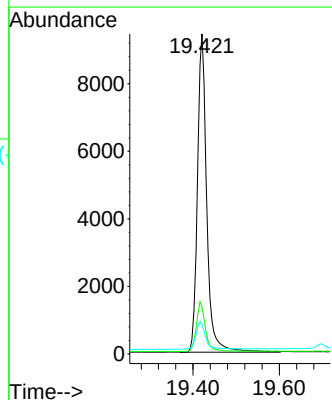
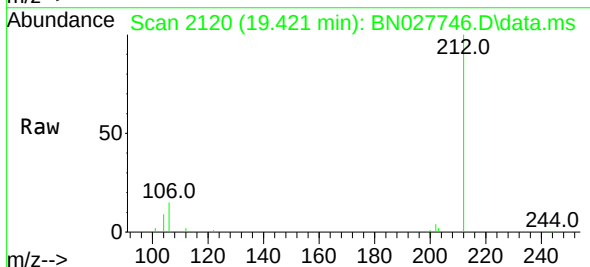
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

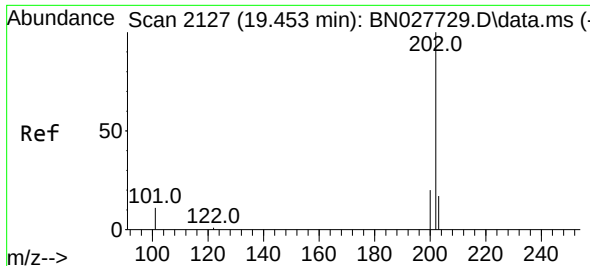
Tgt Ion:178 Resp: 47889
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.9 22.3
 179 14.5 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.422 ng
 RT: 19.421 min Scan# 2120
 Delta R.T. 0.000 min
 Lab File: BN027746.D
 Acq: 19 Sep 2023 10:31

Tgt Ion:212 Resp: 14092
 Ion Ratio Lower Upper
 212 100
 106 15.1 11.9 17.9
 104 8.9 6.7 10.1

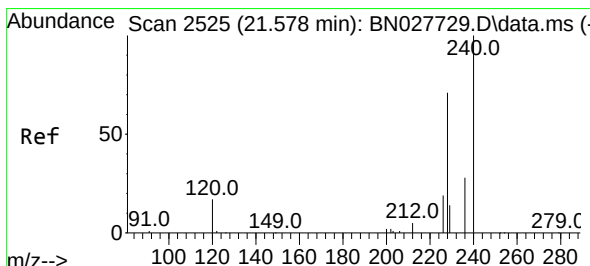
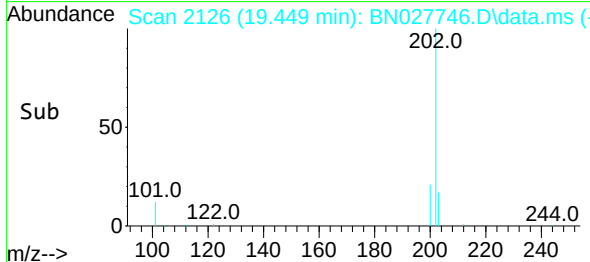
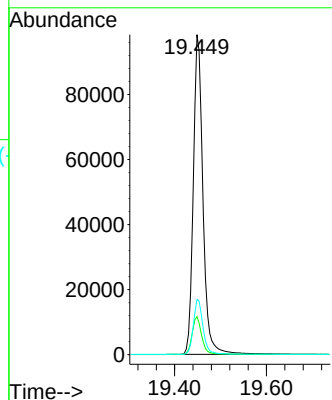
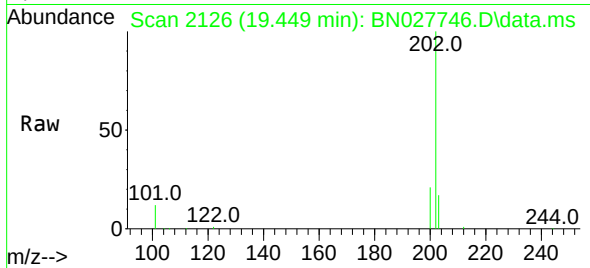




#28
Fluoranthene
Concen: 3.157 ng
RT: 19.449 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

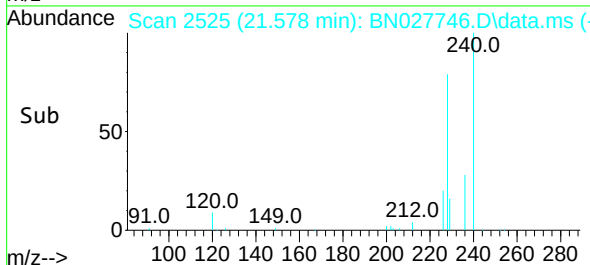
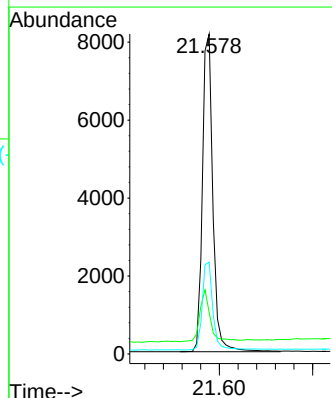
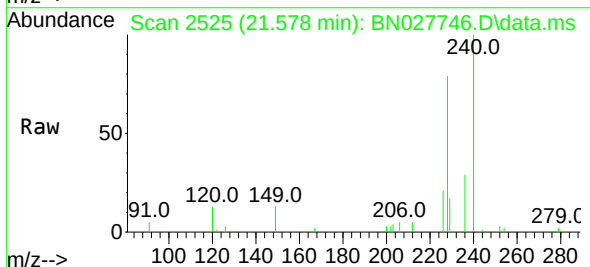
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

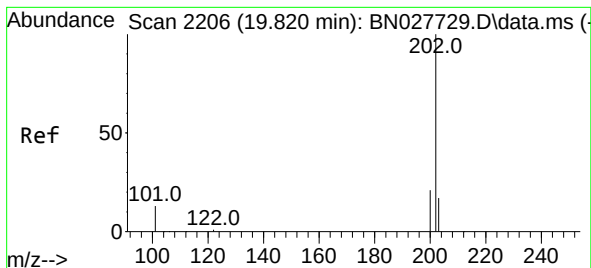
Tgt Ion:202 Resp: 143760
Ion Ratio Lower Upper
202 100
101 11.8 9.5 14.3
203 17.2 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.578 min Scan# 2525
Delta R.T. 0.000 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

Tgt Ion:240 Resp: 12725
Ion Ratio Lower Upper
240 100
120 13.0 10.7 16.1
236 28.7 22.4 33.6





#30

Pyrene

Concen: 3.412 ng

RT: 19.816 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027746.D

Acq: 19 Sep 2023 10:31

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

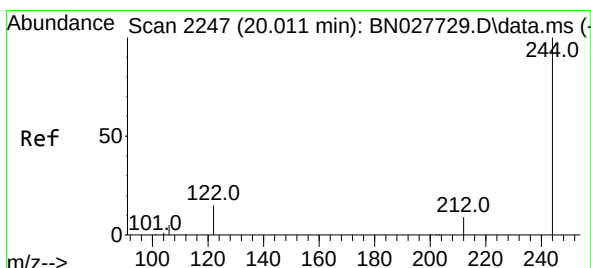
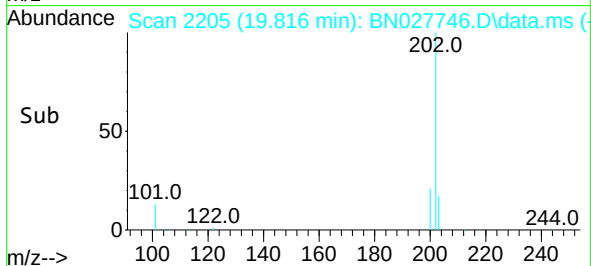
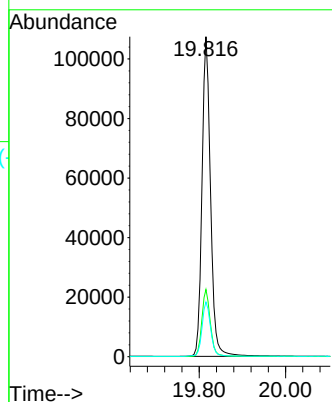
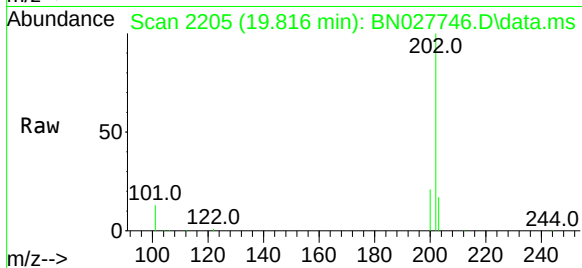
Tgt Ion:202 Resp: 148075

Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

203 17.3 14.2 21.4



#31

Terphenyl-d14

Concen: 0.500 ng

RT: 20.006 min Scan# 2246

Delta R.T. 0.000 min

Lab File: BN027746.D

Acq: 19 Sep 2023 10:31

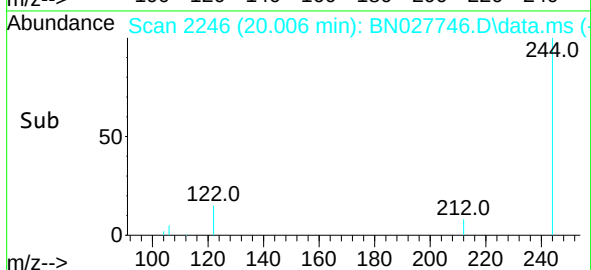
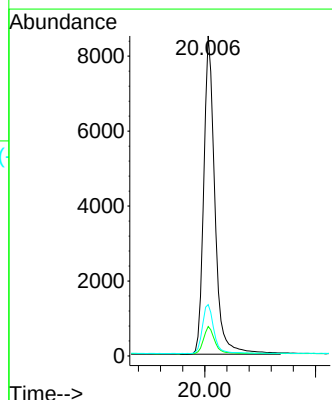
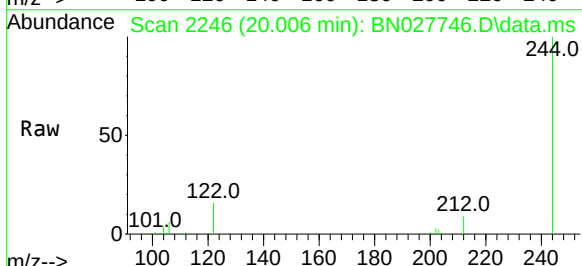
Tgt Ion:244 Resp: 11936

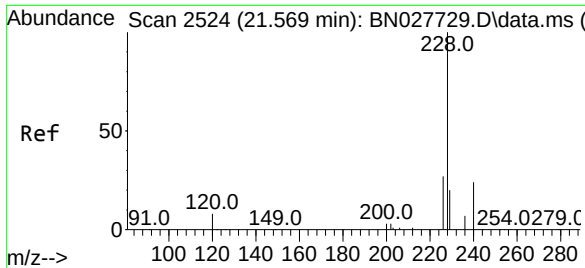
Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.4

122 16.0 12.7 19.1

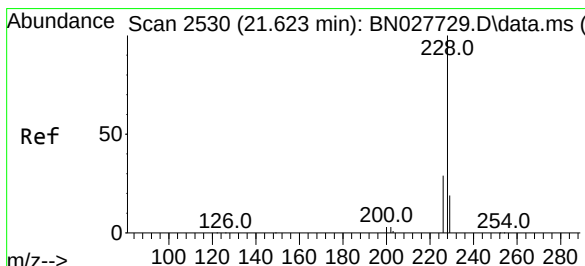
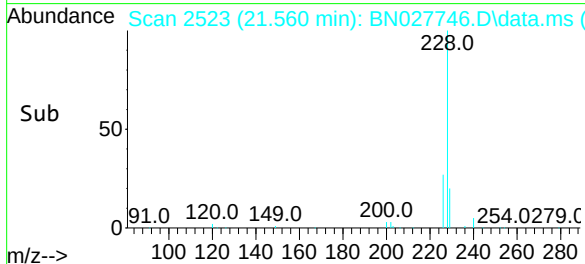
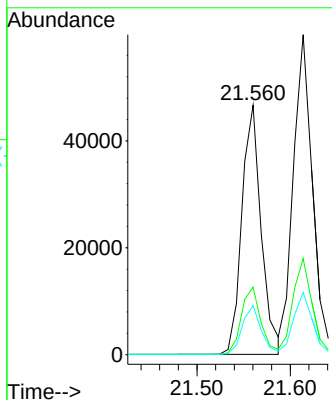
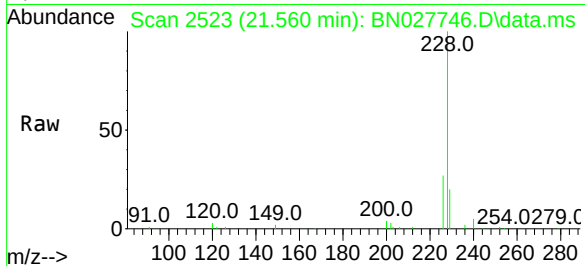




#32
Benzo(a)anthracene
Concen: 1.478 ng
RT: 21.560 min Scan# 21529
Delta R.T. 0.000 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

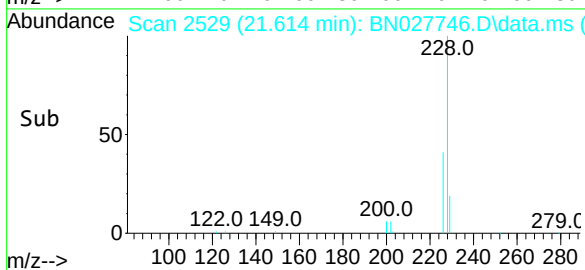
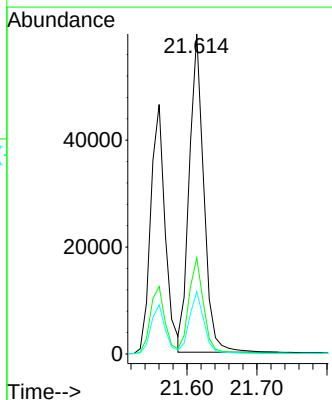
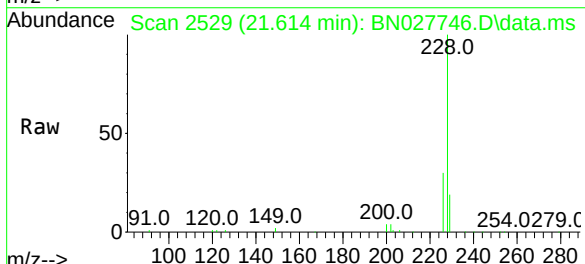
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

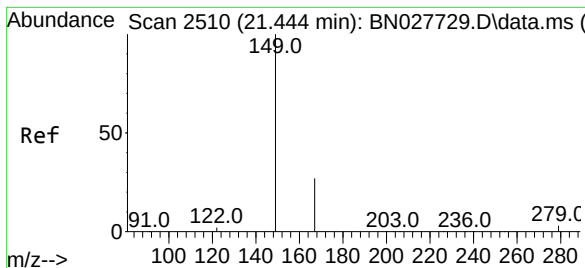
Tgt Ion:228 Resp: 67256
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.0
229 19.7 15.8 23.8



#33
Chrysene
Concen: 1.780 ng
RT: 21.614 min Scan# 2529
Delta R.T. 0.000 min
Lab File: BN027746.D
Acq: 19 Sep 2023 10:31

Tgt Ion:228 Resp: 85839
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.5 15.6 23.4

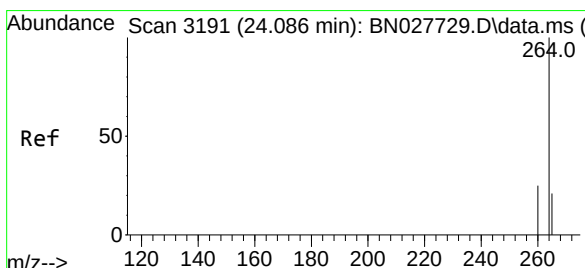
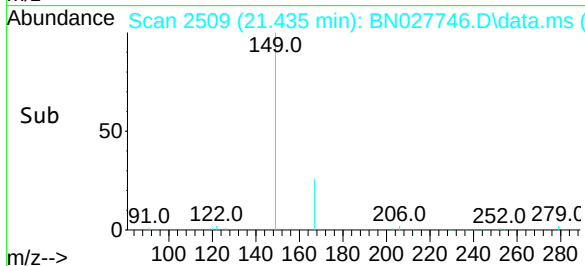
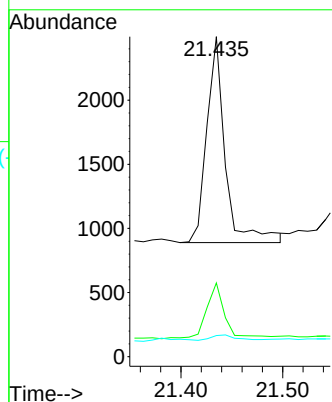
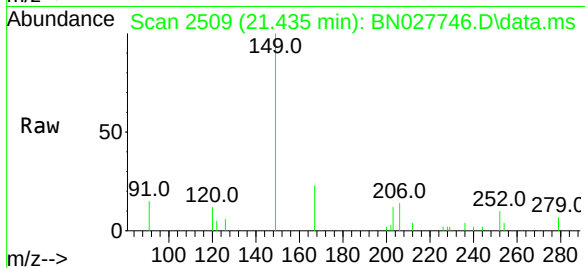




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.094 ng
 RT: 21.435 min Scan# 2149
 Delta R.T. 0.000 min
 Lab File: BN027746.D
 Acq: 19 Sep 2023 10:31

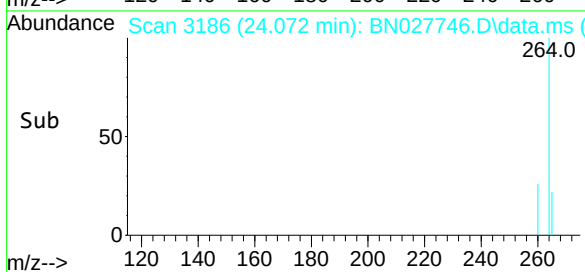
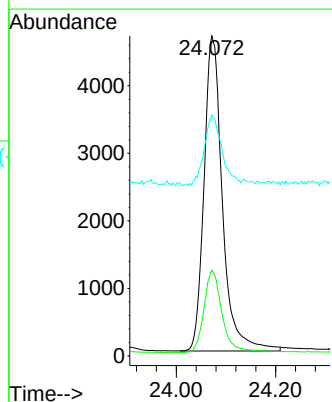
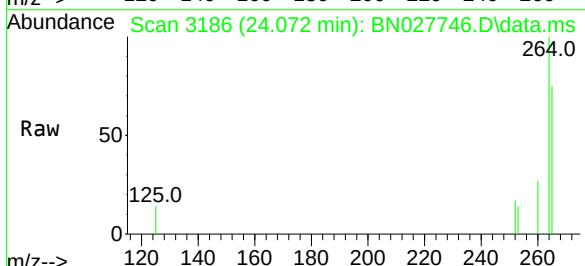
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

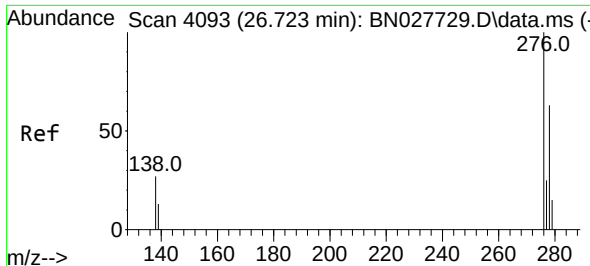
Tgt Ion:149 Resp: 2023
 Ion Ratio Lower Upper
 149 100
 167 27.0 21.5 32.3
 279 3.6 2.3 3.5#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.072 min Scan# 3186
 Delta R.T. 0.000 min
 Lab File: BN027746.D
 Acq: 19 Sep 2023 10:31

Tgt Ion:264 Resp: 12026
 Ion Ratio Lower Upper
 264 100
 260 26.8 20.9 31.3
 265 75.3 56.6 85.0

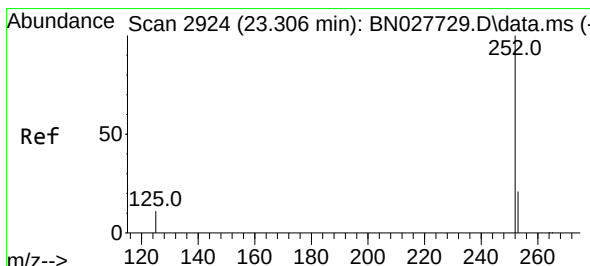
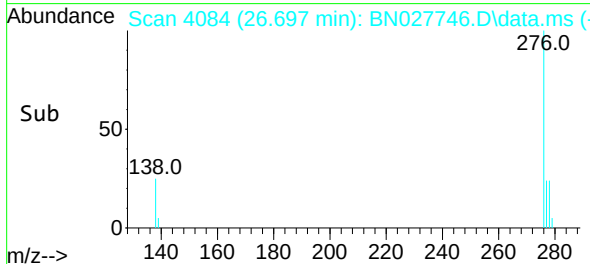
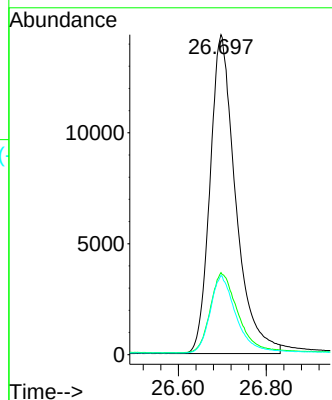
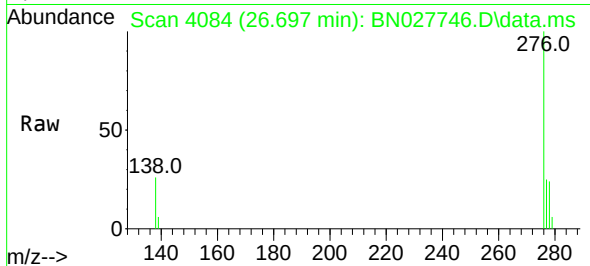




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.069 ng
 RT: 26.697 min Scan# 4093
 Delta R.T. 0.003 min
 Lab File: BN027746.D
 Acq: 19 Sep 2023 10:31

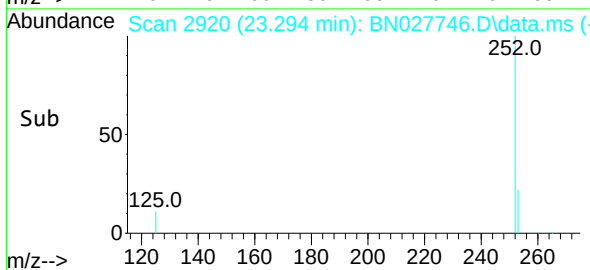
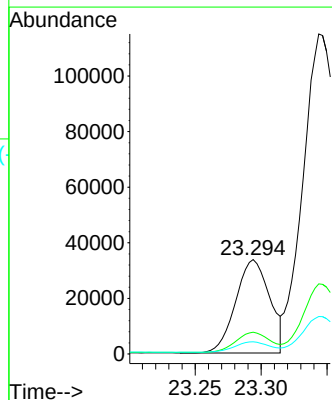
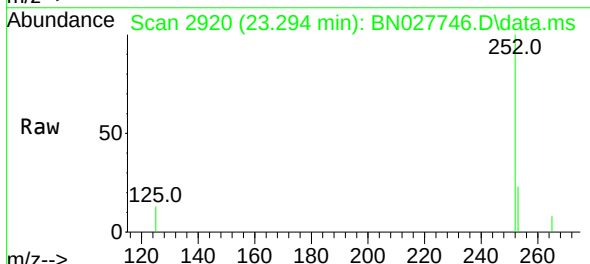
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

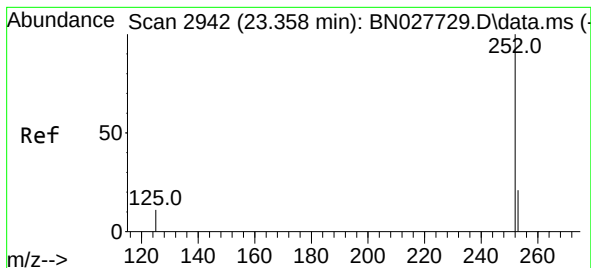
Tgt Ion:276 Resp: 58107
 Ion Ratio Lower Upper
 276 100
 138 26.9 23.4 35.0
 277 24.4 19.9 29.9



#37
 Benzo(b)fluoranthene
 Concen: 1.353 ng
 RT: 23.294 min Scan# 2920
 Delta R.T. -0.003 min
 Lab File: BN027746.D
 Acq: 19 Sep 2023 10:31

Tgt Ion:252 Resp: 60380
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.6 26.4
 125 12.9 9.2 13.8





#38

Benzo(k)fluoranthene

Concen: 4.875 ng

RT: 23.344 min Scan# 2942

Delta R.T. -0.003 min

Lab File: BN027746.D

Acq: 19 Sep 2023 10:31

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

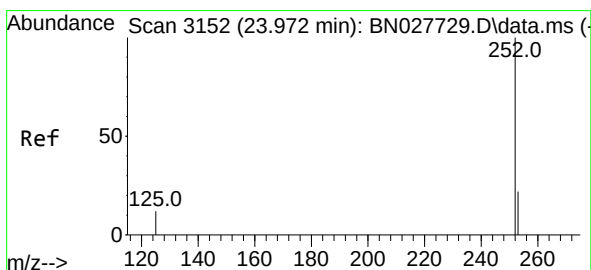
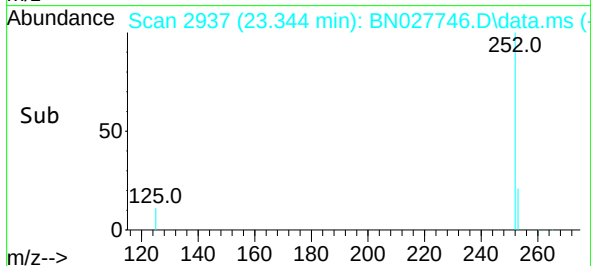
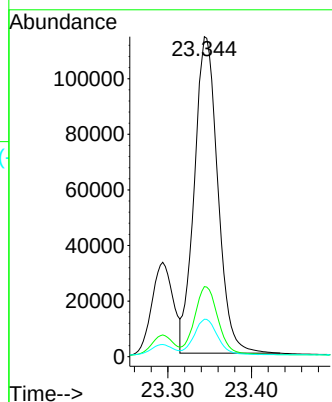
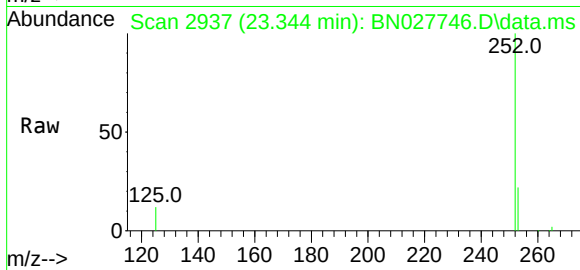
Tgt Ion:252 Resp: 221922

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.7 9.3 13.9



#39

Benzo(a)pyrene

Concen: 1.330 ng

RT: 23.961 min Scan# 3148

Delta R.T. 0.003 min

Lab File: BN027746.D

Acq: 19 Sep 2023 10:31

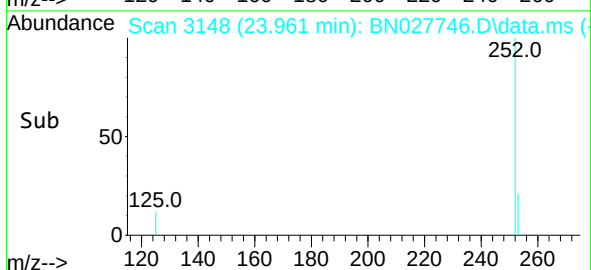
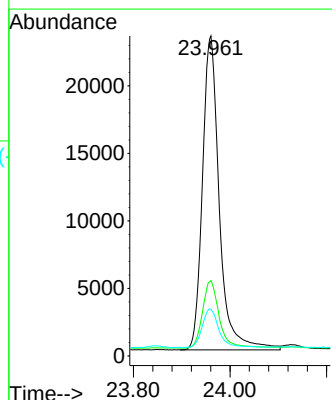
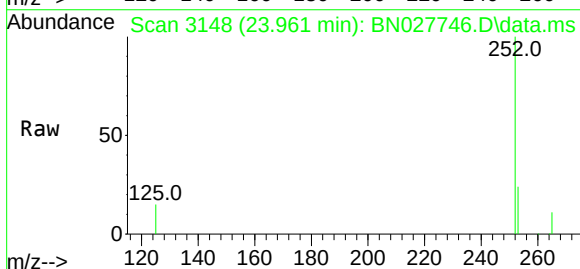
Tgt Ion:252 Resp: 56402

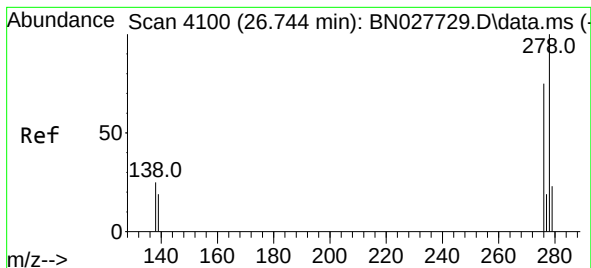
Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

125 14.6 10.2 15.4





#40

Dibenzo(a,h)anthracene

Concen: 0.650 ng

RT: 26.729 min Scan# 4095

Delta R.T. 0.009 min

Lab File: BN027746.D

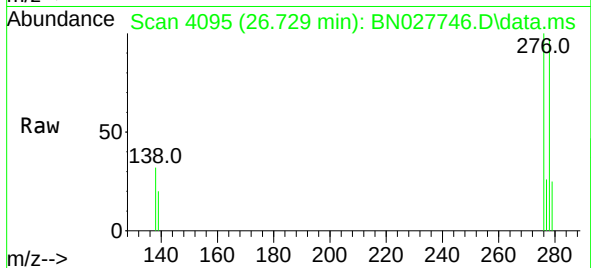
Acq: 19 Sep 2023 10:31

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP



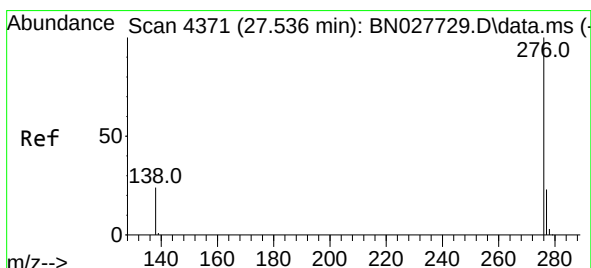
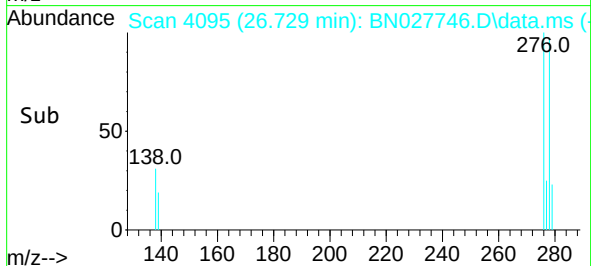
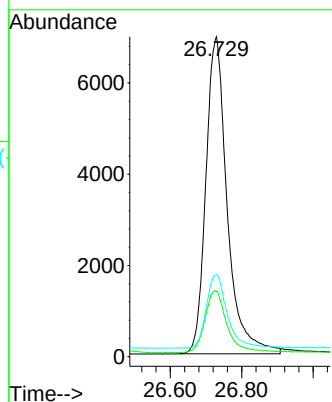
Tgt Ion:278 Resp: 28913

Ion Ratio Lower Upper

278 100

139 20.3 15.4 23.2

279 25.6 19.0 28.6



#41

Benzo(g,h,i)perylene

Concen: 2.687 ng

RT: 27.513 min Scan# 4363

Delta R.T. -0.006 min

Lab File: BN027746.D

Acq: 19 Sep 2023 10:31

Tgt Ion:276 Resp: 129920

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 25.5 20.2 30.4

