

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111424\
 Data File : BN035089.D
 Acq On : 14 Nov 2024 15:58
 Operator : RC/JU
 Sample : P3845-21DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

Quant Time: Nov 14 16:42:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 17:18:14 2024
 Response via : Initial Calibration

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

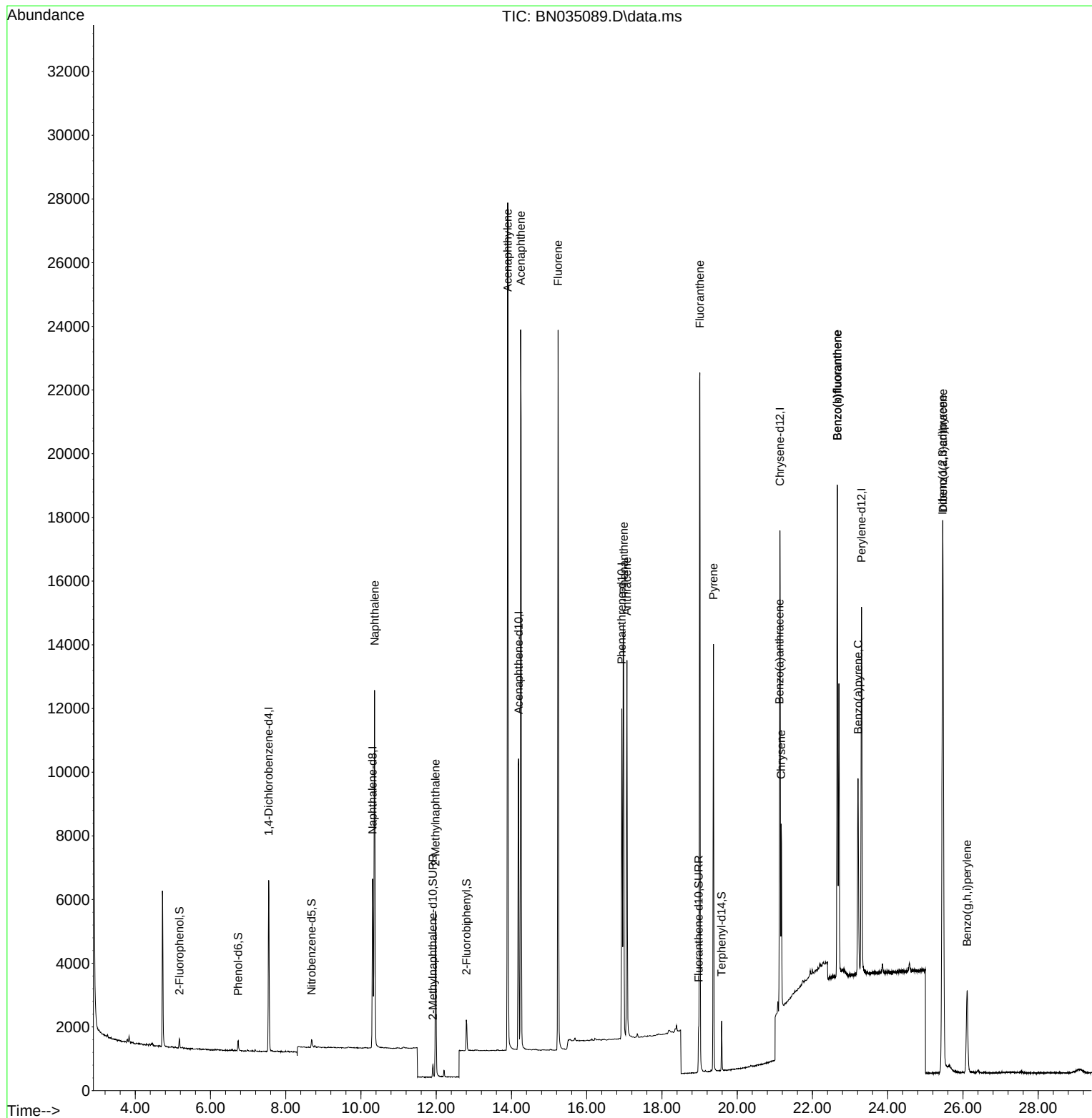
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	2693	0.400	ng	0.00
7) Naphthalene-d8	10.308	136	7409	0.400	ng	#-0.01
13) Acenaphthene-d10	14.190	164	5720	0.400	ng	0.00
19) Phenanthrene-d10	16.933	188	13630	0.400	ng	# 0.00
29) Chrysene-d12	21.134	240	13954	0.400	ng	# 0.00
35) Perylene-d12	23.303	264	14576	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	258	0.038	ng	0.00
5) Phenol-d6	6.737	99	338	0.039	ng	0.00
8) Nitrobenzene-d5	8.685	82	268	0.042	ng	-0.01
11) 2-Methylnaphthalene-d10	11.912	152	552	0.042	ng	0.00
14) 2,4,6-Tribromophenol	15.691	330	71	0.017	ng	0.00
15) 2-Fluorobiphenyl	12.800	172	946	0.041	ng	0.00
27) Fluoranthene-d10	18.973	212	1669	0.040	ng	0.00
31) Terphenyl-d14	19.587	244	1542	0.053	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.362	128	14392	0.744	ng	98
12) 2-Methylnaphthalene	11.984	142	3780	0.265	ng	98
16) Acenaphthylene	13.901	152	28587	1.169	ng	100
17) Acenaphthene	14.244	154	11790	0.736	ng	99
18) Fluorene	15.238	166	14034	0.596	ng	99
25) Phenanthrene	16.982	178	15712	0.438	ng	100
26) Anthracene	17.069	178	12661	0.384	ng	100
28) Fluoranthene	19.006	202	20332	0.412	ng	100
30) Pyrene	19.368	202	12127	0.261	ng	100
32) Benzo(a)anthracene	21.125	228	3504	0.072	ng	97
33) Chrysene	21.169	228	4895	0.102	ng	97
36) Indeno(1,2,3-cd)pyrene	25.458	276	21029	0.362	ng	99
37) Benzo(b)fluoranthene	22.660	252	18620	0.380	ng	99
38) Benzo(k)fluoranthene	22.660	252	18620	0.379	ng	100
39) Benzo(a)pyrene	23.209	252	8902	0.206	ng	# 91
40) Dibenzo(a,h)anthracene	25.469	278	16288	0.354	ng	98
41) Benzo(g,h,i)perylene	26.107	276	5368	0.110	ng	# 94

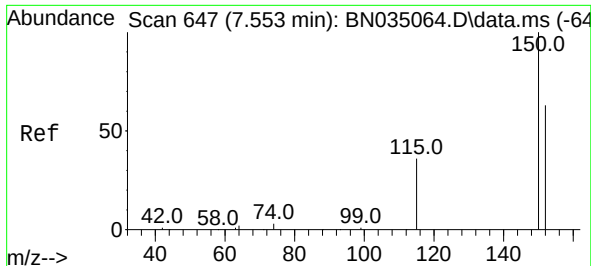
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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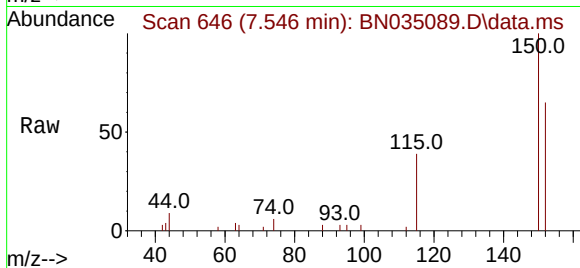
Quant Time: Nov 14 16:42:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
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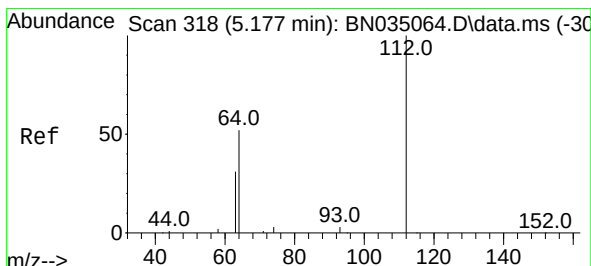
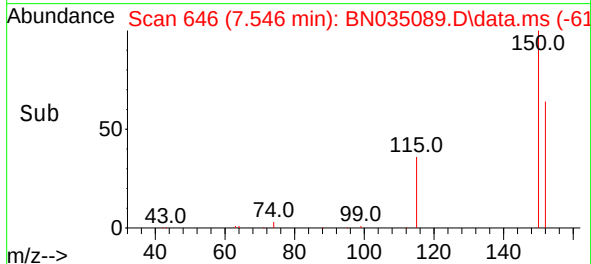
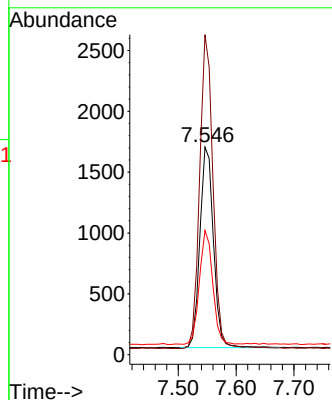


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.546 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

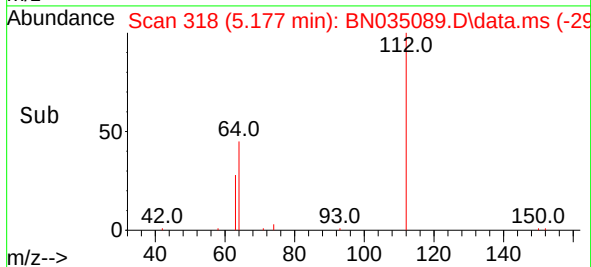
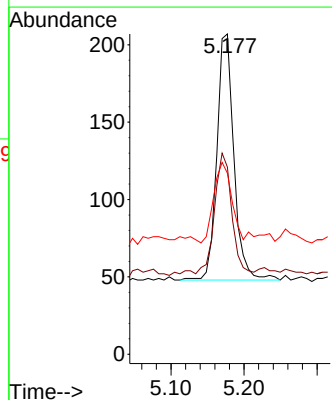
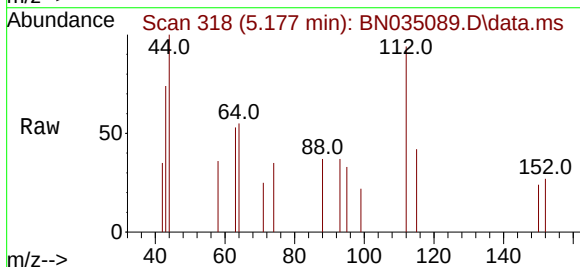


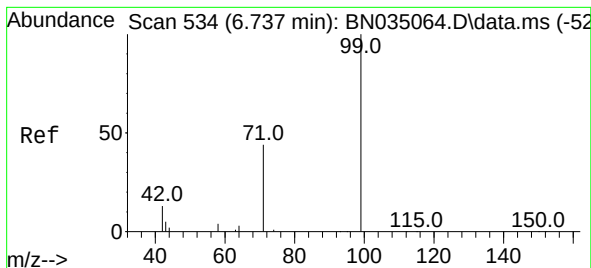
Tgt Ion:152 Resp: 2693
Ion Ratio Lower Upper
152 100
150 154.3 124.5 186.7
115 59.9 47.8 71.6



#4
2-Fluorophenol
Concen: 0.038 ng
RT: 5.177 min Scan# 318
Delta R.T. -0.000 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Tgt Ion:112 Resp: 258
Ion Ratio Lower Upper
112 100
64 51.9 39.7 59.5
63 41.1 23.0 34.4#





#5

Phenol-d6

Concen: 0.039 ng

RT: 6.737 min Scan# 534

Delta R.T. -0.000 min

Lab File: BN035089.D

Acq: 14 Nov 2024 15:58

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

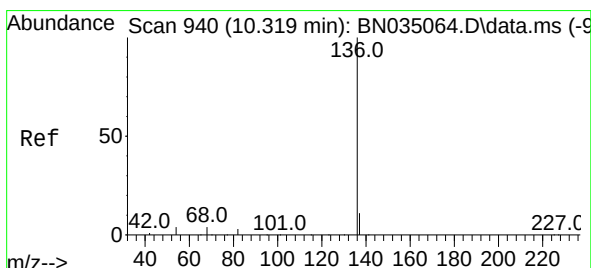
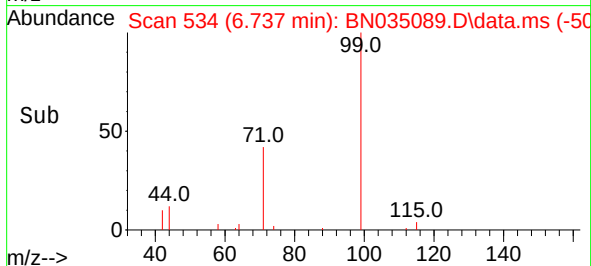
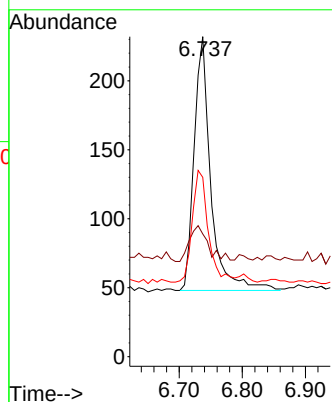
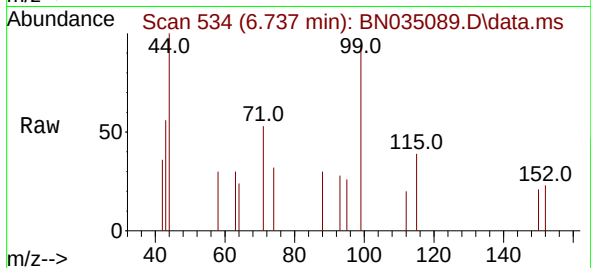
Tgt Ion: 99 Resp: 338

Ion Ratio Lower Upper

99 100

42 16.0 11.4 17.0

71 42.0 34.6 51.8



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.308 min Scan# 939

Delta R.T. -0.011 min

Lab File: BN035089.D

Acq: 14 Nov 2024 15:58

Tgt Ion: 136 Resp: 7409

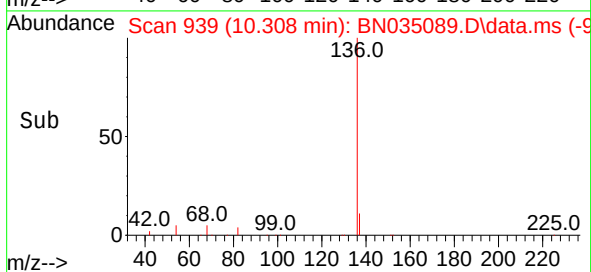
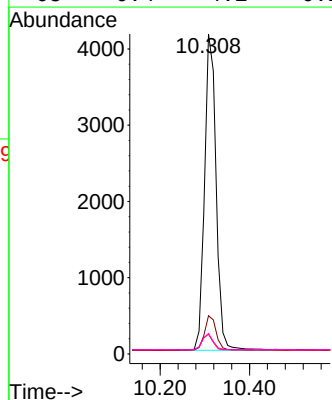
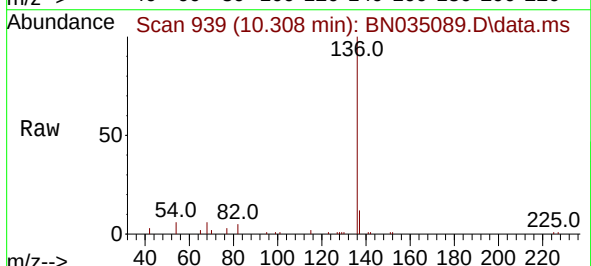
Ion Ratio Lower Upper

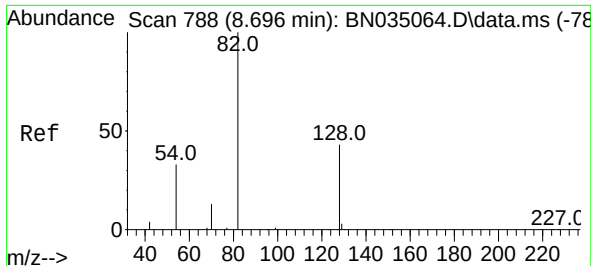
136 100

137 12.0 9.8 14.8

54 6.2 4.0 6.0#

68 6.4 4.2 6.2#

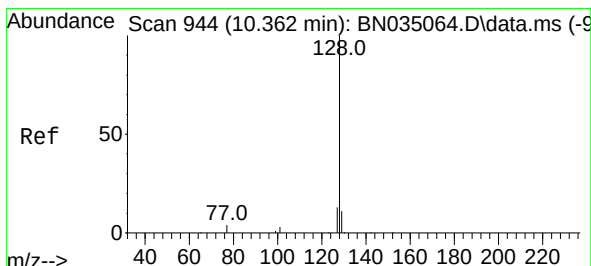
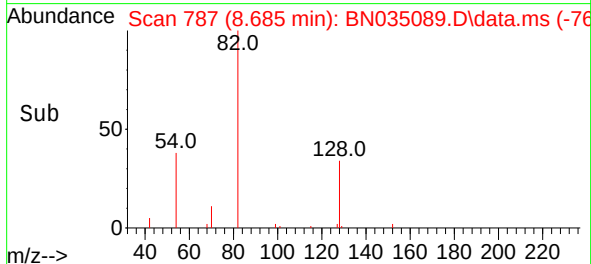
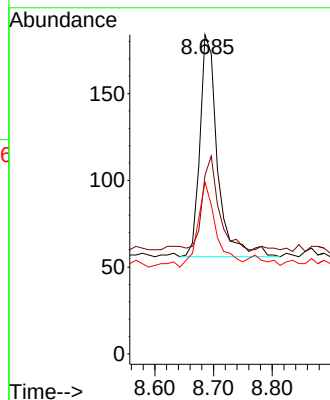
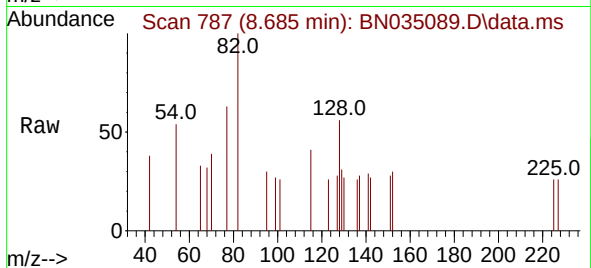




#8
Nitrobenzene-d5
Concen: 0.042 ng
RT: 8.685 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

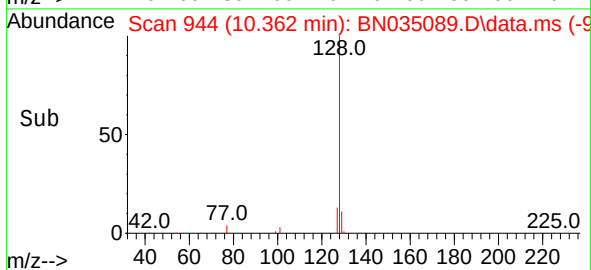
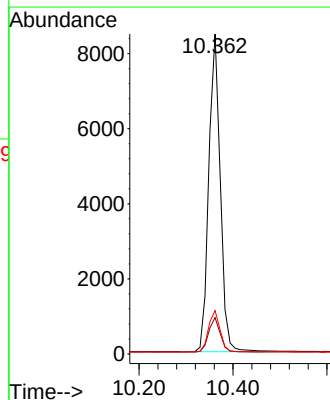
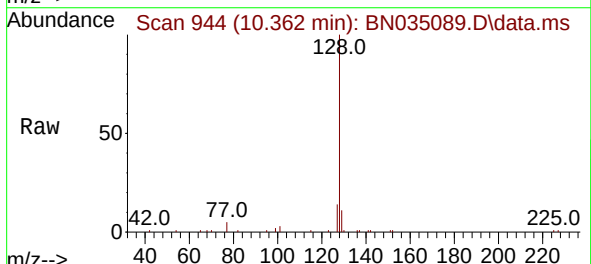
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

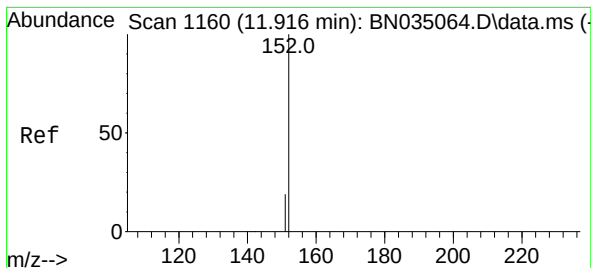
Tgt Ion: 82 Resp: 268
Ion Ratio Lower Upper
82 100
128 56.0 36.5 54.7#
54 53.8 28.7 43.1#



#9
Naphthalene
Concen: 0.744 ng
RT: 10.362 min Scan# 944
Delta R.T. 0.000 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Tgt Ion: 128 Resp: 14392
Ion Ratio Lower Upper
128 100
129 11.4 9.6 14.4
127 13.5 11.6 17.4

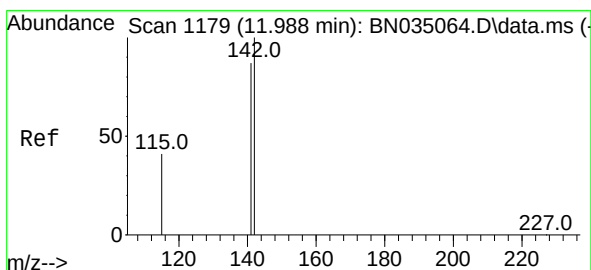
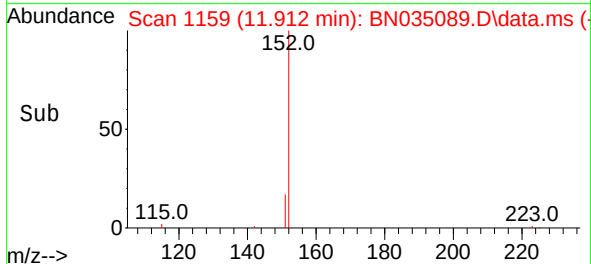
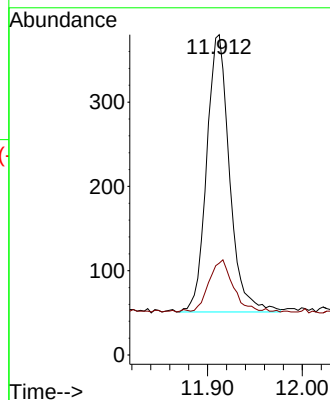
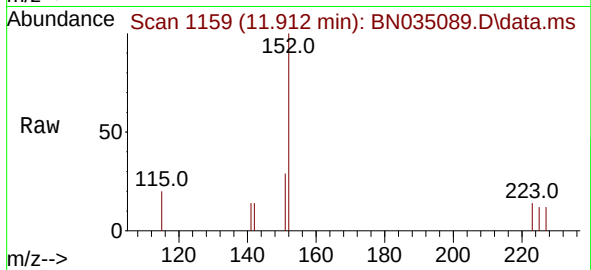




#11
2-Methylnaphthalene-d10
Concen: 0.042 ng
RT: 11.912 min Scan# 1159
Delta R.T. -0.004 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

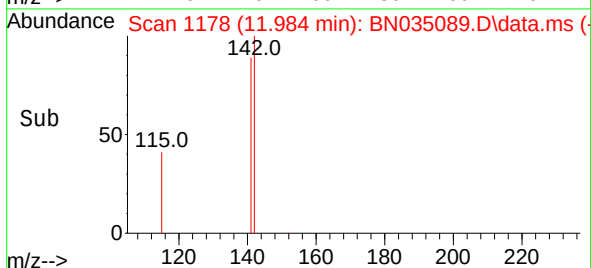
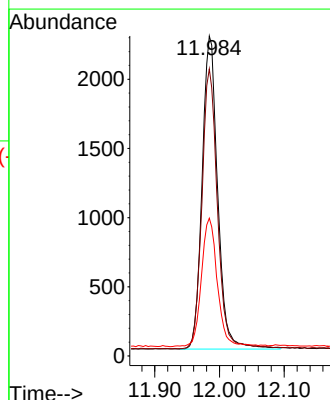
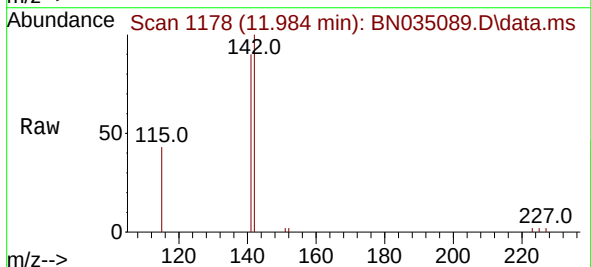
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

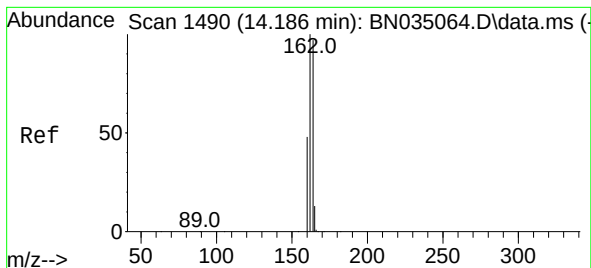
Tgt Ion:152 Resp: 552
Ion Ratio Lower Upper
152 100
151 19.0 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.265 ng
RT: 11.984 min Scan# 1178
Delta R.T. -0.004 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Tgt Ion:142 Resp: 3780
Ion Ratio Lower Upper
142 100
141 89.7 70.1 105.1
115 43.1 34.4 51.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.190 min Scan# 1490

Delta R.T. 0.004 min

Lab File: BN035089.D

Acq: 14 Nov 2024 15:58

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

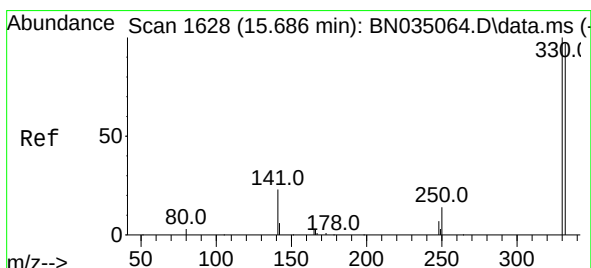
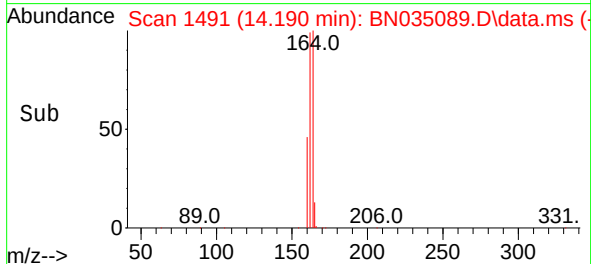
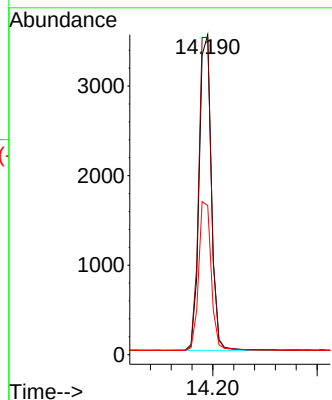
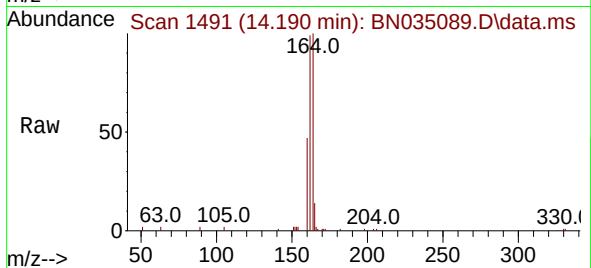
Tgt Ion:164 Resp: 5720

Ion Ratio Lower Upper

164 100

162 99.1 82.2 123.2

160 46.6 40.2 60.4



#14

2,4,6-Tribromophenol

Concen: 0.017 ng

RT: 15.691 min Scan# 1629

Delta R.T. 0.005 min

Lab File: BN035089.D

Acq: 14 Nov 2024 15:58

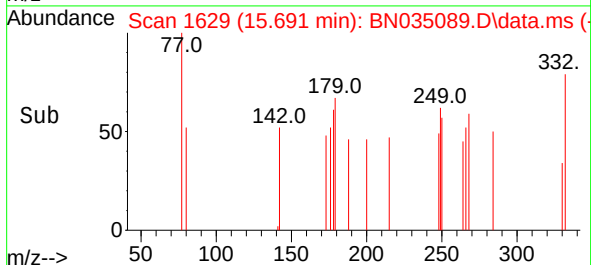
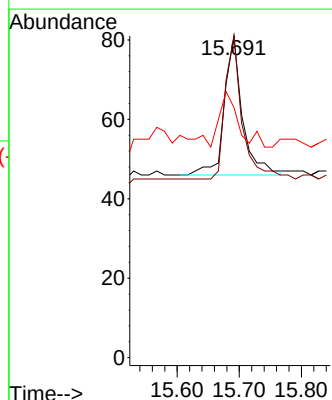
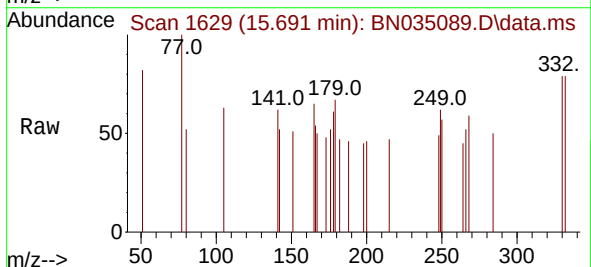
Tgt Ion:330 Resp: 71

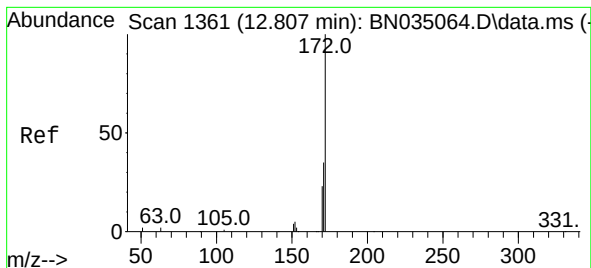
Ion Ratio Lower Upper

330 100

332 97.2 76.9 115.3

141 43.7 29.6 44.4





#15

2-Fluorobiphenyl

Concen: 0.041 ng

RT: 12.800 min Scan# 1464

Delta R.T. -0.007 min

Lab File: BN035089.D

Acq: 14 Nov 2024 15:58

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

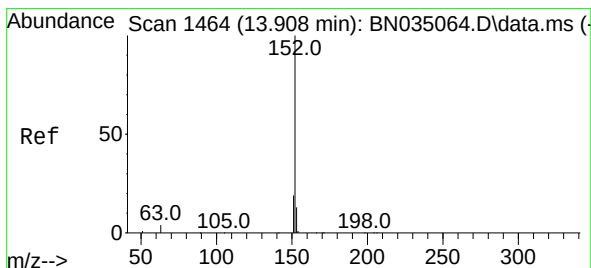
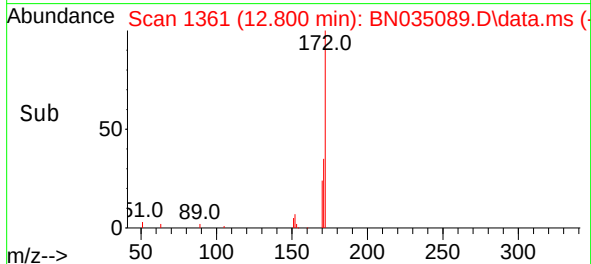
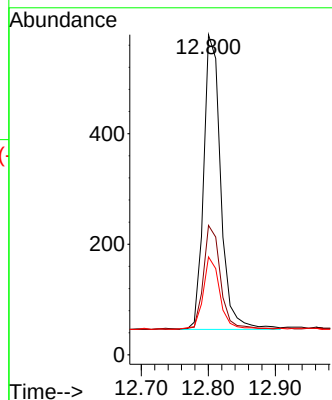
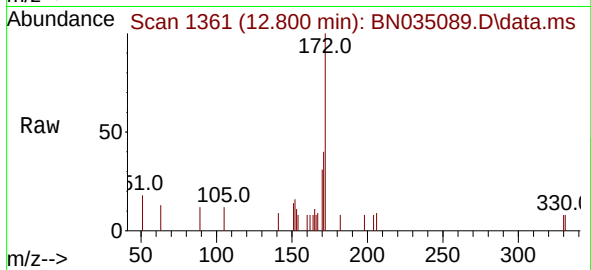
Tgt Ion:172 Resp: 946

Ion Ratio Lower Upper

172 100

171 40.4 28.2 42.4

170 30.6 19.0 28.6#



#16

Acenaphthylene

Concen: 1.169 ng

RT: 13.901 min Scan# 1464

Delta R.T. -0.007 min

Lab File: BN035089.D

Acq: 14 Nov 2024 15:58

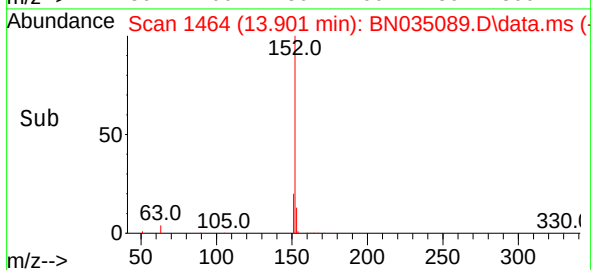
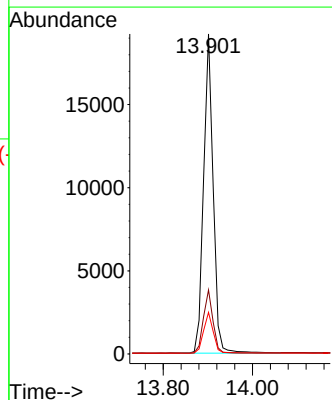
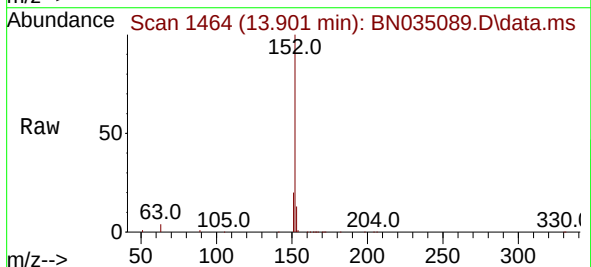
Tgt Ion:152 Resp: 28587

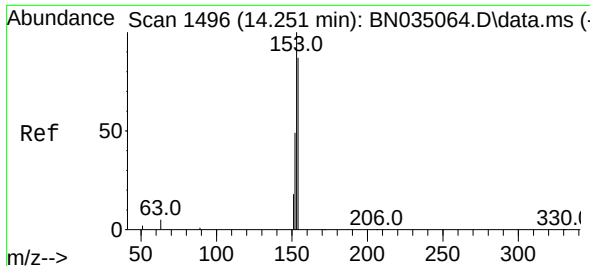
Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 13.0 10.2 15.4

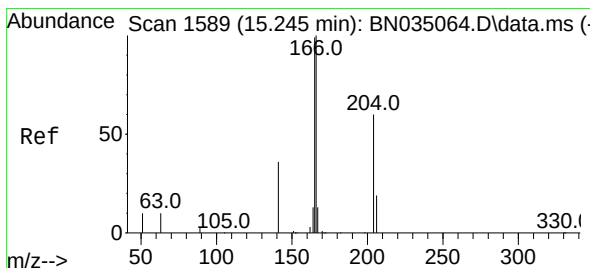
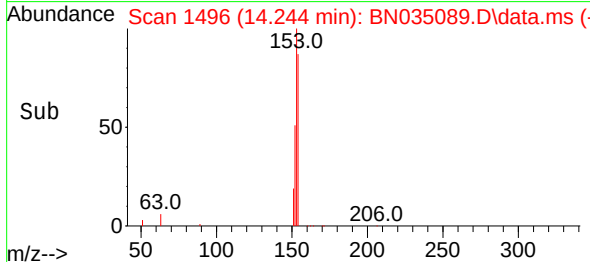
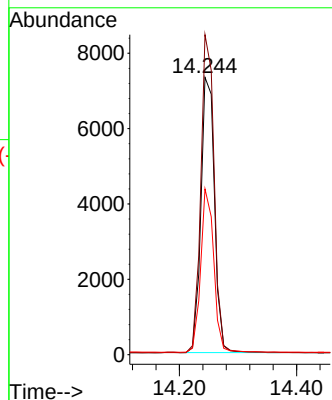
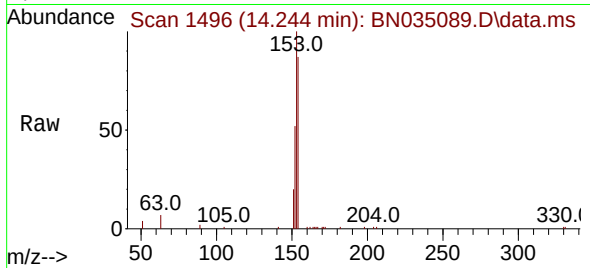




#17
Acenaphthene
Concen: 0.736 ng
RT: 14.244 min Scan# 1496
Delta R.T. -0.007 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

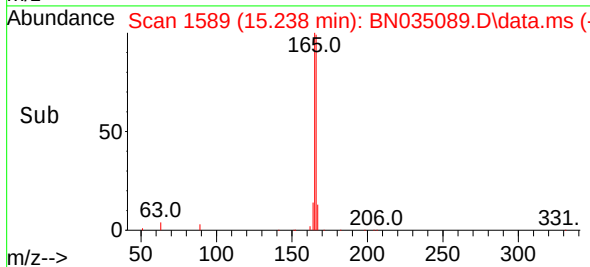
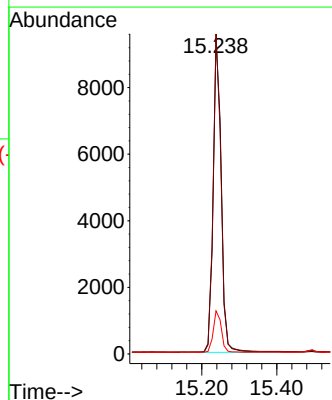
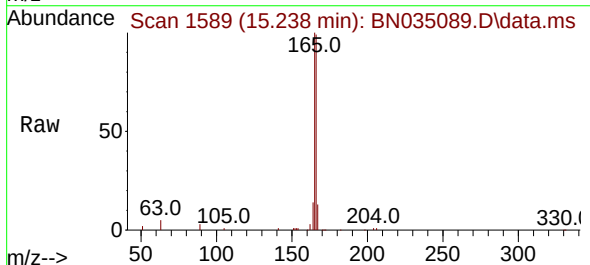
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

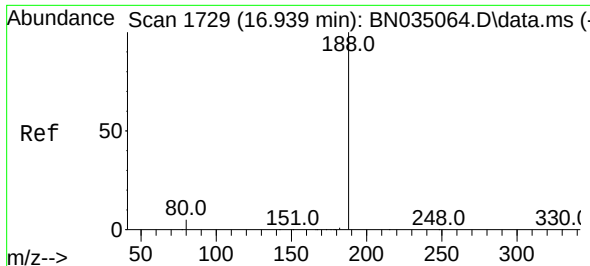
Tgt Ion:154 Resp: 11790
Ion Ratio Lower Upper
154 100
153 113.8 91.6 137.4
152 57.4 45.8 68.6



#18
Fluorene
Concen: 0.596 ng
RT: 15.238 min Scan# 1589
Delta R.T. -0.007 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Tgt Ion:166 Resp: 14034
Ion Ratio Lower Upper
166 100
165 99.6 79.1 118.7
167 13.5 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.933 min Scan# 1729

Delta R.T. -0.007 min

Lab File: BN035089.D

Acq: 14 Nov 2024 15:58

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

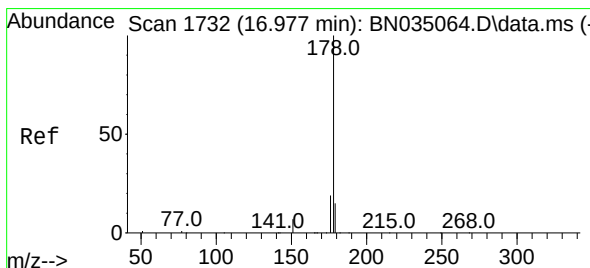
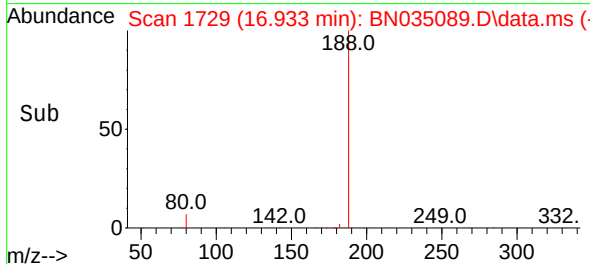
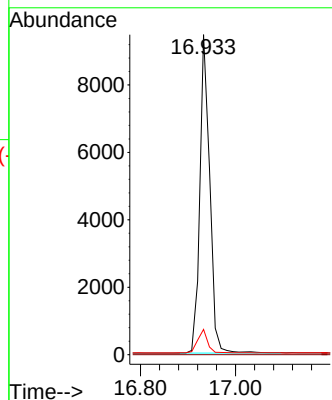
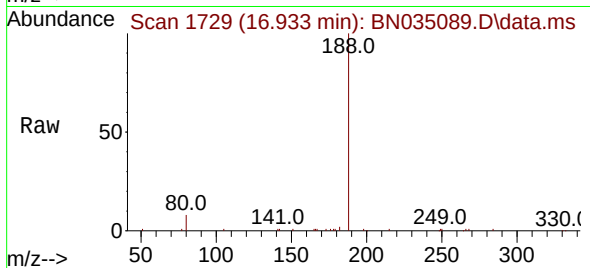
Tgt Ion:188 Resp: 13630

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.9 4.3 6.5#



#25

Phenanthrene

Concen: 0.438 ng

RT: 16.982 min Scan# 1733

Delta R.T. 0.006 min

Lab File: BN035089.D

Acq: 14 Nov 2024 15:58

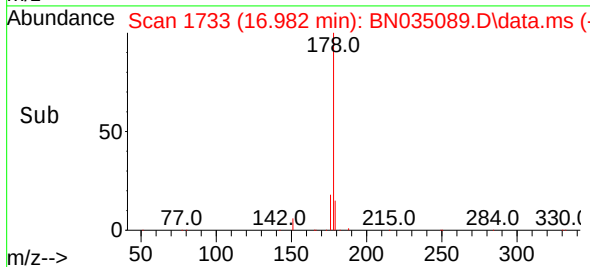
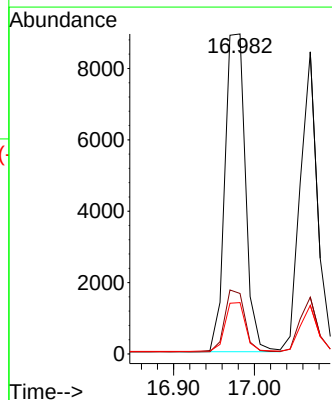
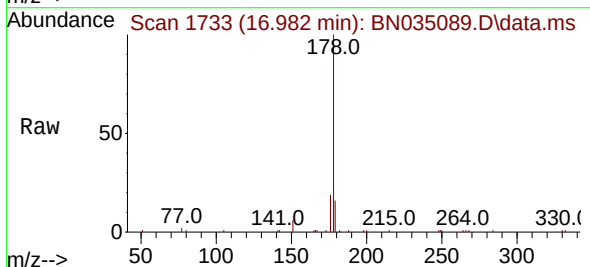
Tgt Ion:178 Resp: 15712

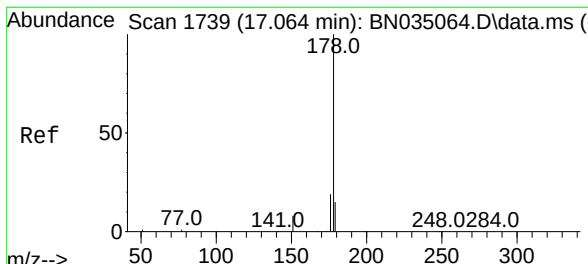
Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

179 15.4 12.6 18.8

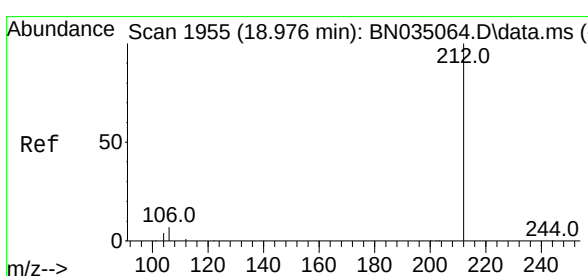
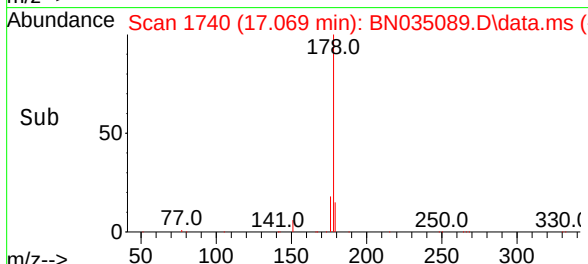
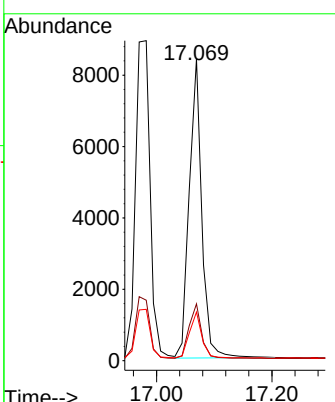
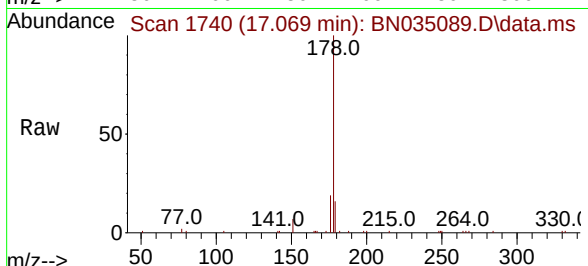




#26
 Anthracene
 Concen: 0.384 ng
 RT: 17.069 min Scan# 1740
 Delta R.T. 0.005 min
 Lab File: BN035089.D
 Acq: 14 Nov 2024 15:58

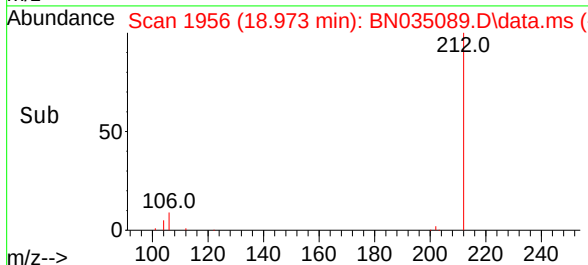
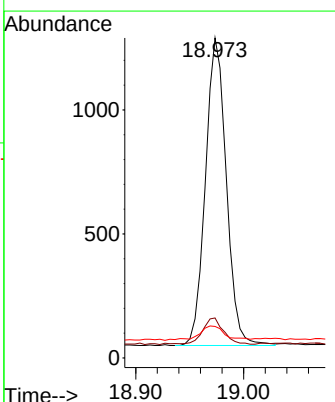
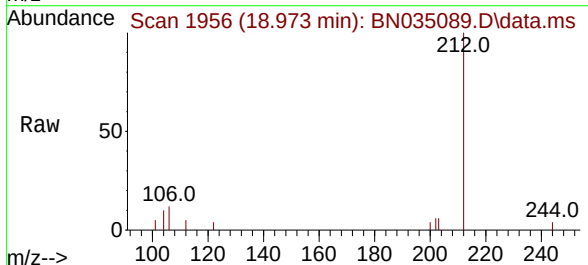
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

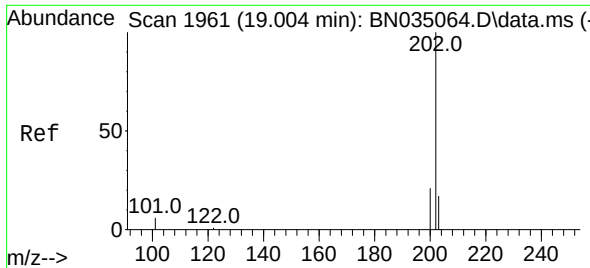
Tgt Ion:	178	Resp:	12661
Ion Ratio	Lower	Upper	
178	100		
176	18.4	14.6	22.0
179	15.0	12.2	18.2



#27
 Fluoranthene-d10
 Concen: 0.040 ng
 RT: 18.973 min Scan# 1956
 Delta R.T. -0.002 min
 Lab File: BN035089.D
 Acq: 14 Nov 2024 15:58

Tgt Ion:	212	Resp:	1669
Ion Ratio	Lower	Upper	
212	100		
106	8.4	6.0	9.0
104	5.6	3.5	5.3

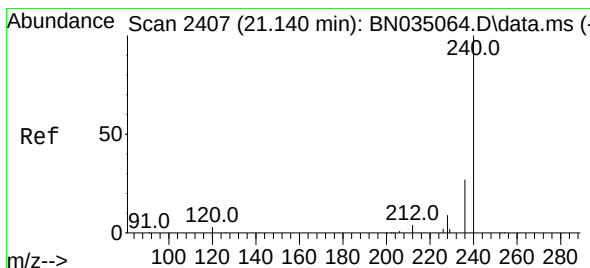
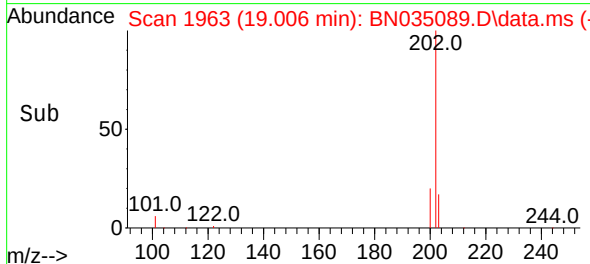
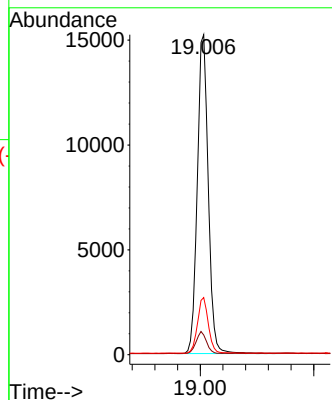
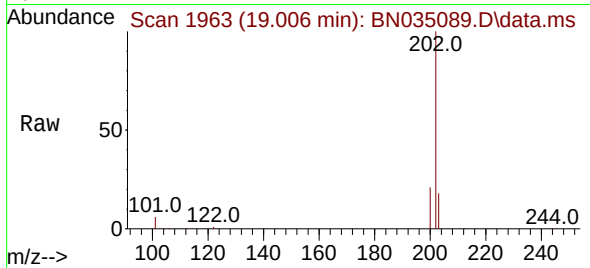




#28
Fluoranthene
Concen: 0.412 ng
RT: 19.006 min Scan# 1963
Delta R.T. 0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

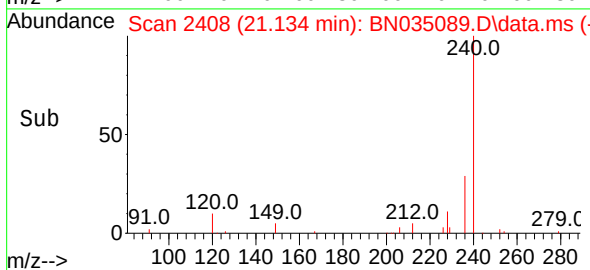
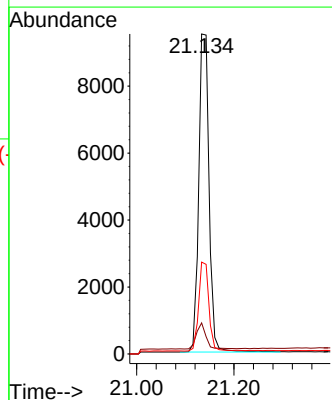
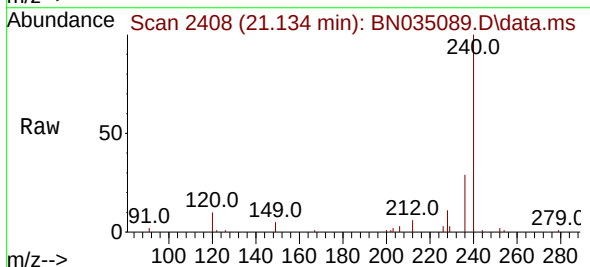
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

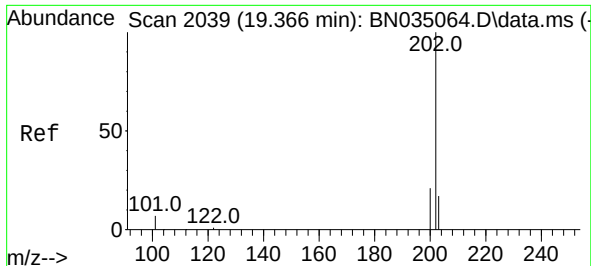
Tgt Ion:202 Resp: 20332
Ion Ratio Lower Upper
202 100
101 6.5 5.2 7.8
203 17.1 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.134 min Scan# 2408
Delta R.T. -0.007 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Tgt Ion:240 Resp: 13954
Ion Ratio Lower Upper
240 100
120 9.7 3.8 5.6#
236 28.7 22.2 33.2

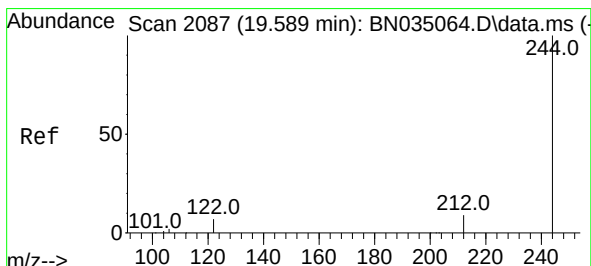
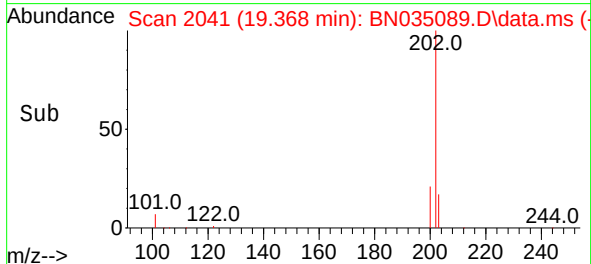
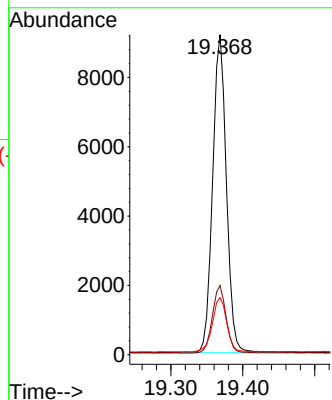
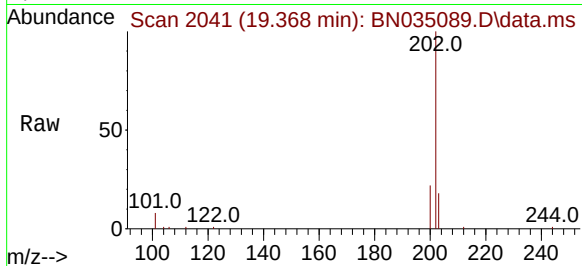




#30
Pyrene
Concen: 0.261 ng
RT: 19.368 min Scan# 2039
Delta R.T. 0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

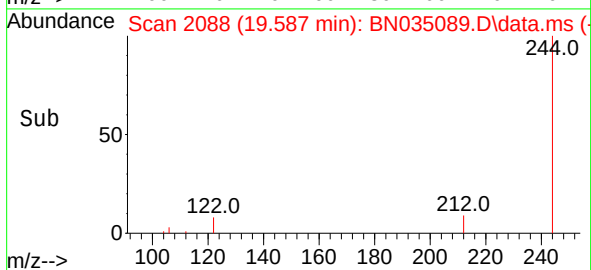
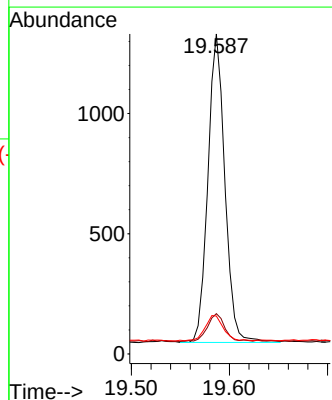
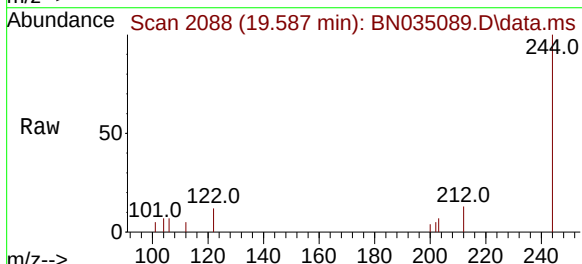
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

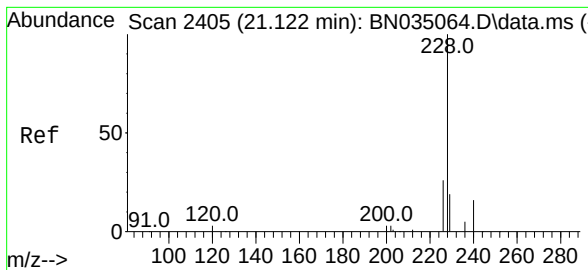
Tgt Ion:	202	Resp:	12127
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.7	25.1
203	17.9	14.2	21.4



#31
Terphenyl-d14
Concen: 0.053 ng
RT: 19.587 min Scan# 2088
Delta R.T. -0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Tgt Ion:	244	Resp:	1542
Ion Ratio	Lower	Upper	
244	100		
212	12.6	7.6	11.4#
122	11.9	6.1	9.1#

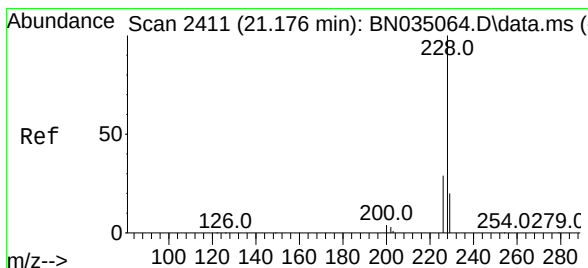
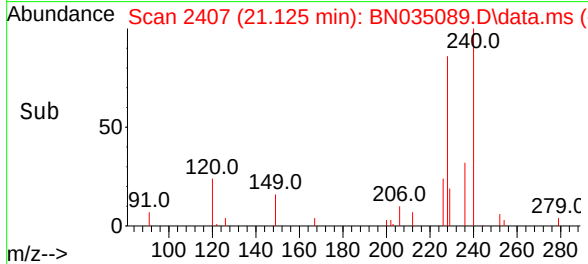
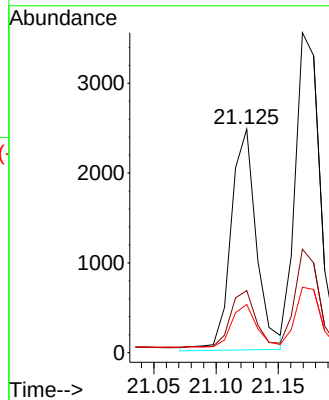
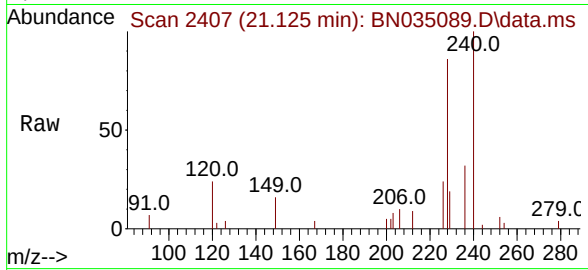




#32
Benzo(a)anthracene
Concen: 0.072 ng
RT: 21.125 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

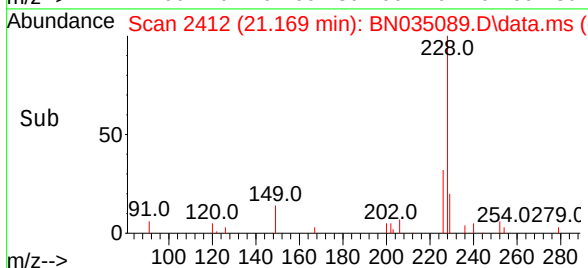
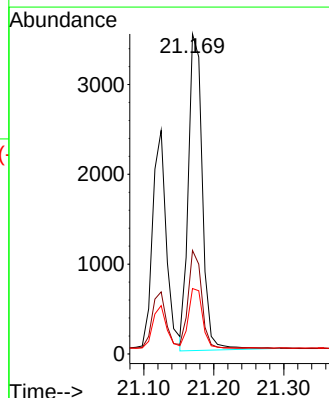
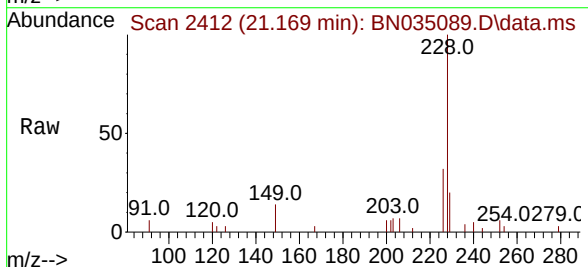
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

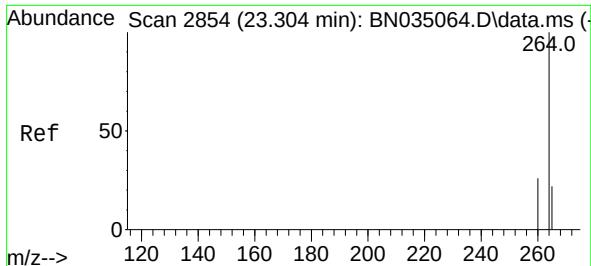
Tgt Ion:228 Resp: 3504
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.0
229 21.6 15.7 23.5



#33
Chrysene
Concen: 0.102 ng
RT: 21.169 min Scan# 2412
Delta R.T. -0.007 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Tgt Ion:228 Resp: 4895
Ion Ratio Lower Upper
228 100
226 32.3 23.7 35.5
229 20.5 16.2 24.4

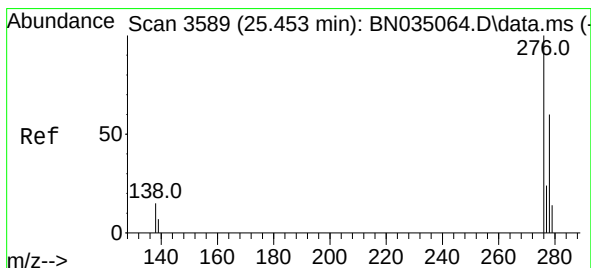
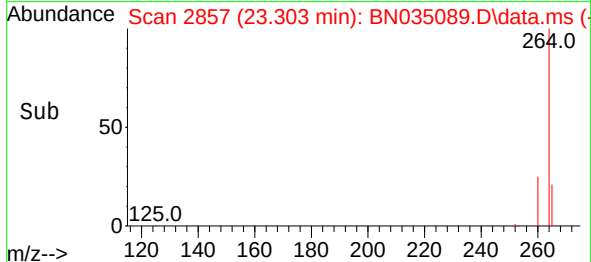
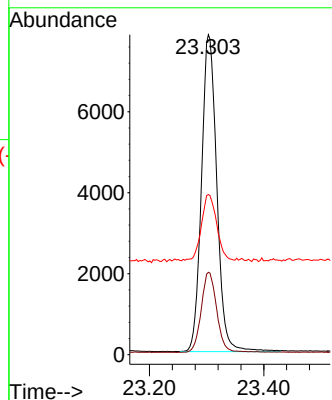
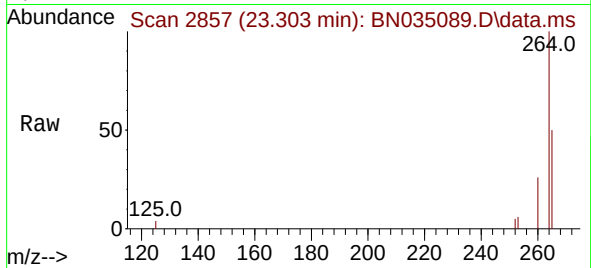




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.303 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BN035089.D
 Acq: 14 Nov 2024 15:58

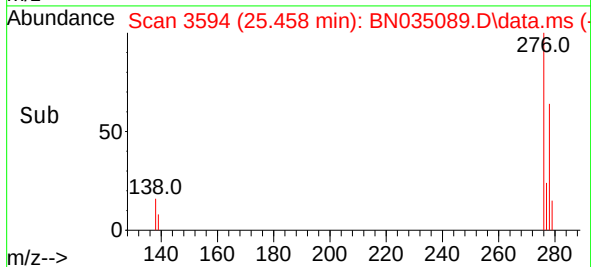
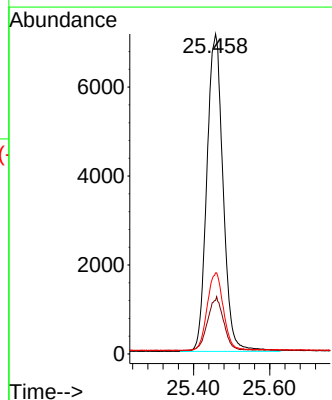
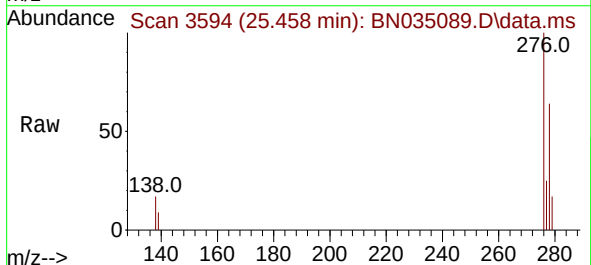
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

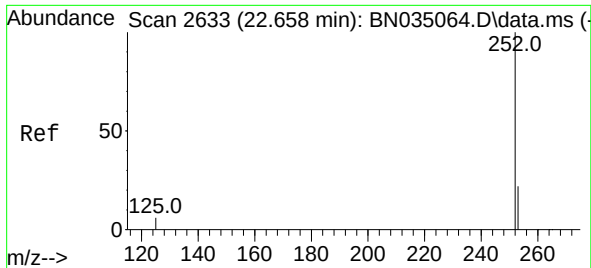
Tgt Ion:264 Resp: 14576
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.9 31.3
 265 50.1 35.4 53.2



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.362 ng
 RT: 25.458 min Scan# 3594
 Delta R.T. 0.005 min
 Lab File: BN035089.D
 Acq: 14 Nov 2024 15:58

Tgt Ion:276 Resp: 21029
 Ion Ratio Lower Upper
 276 100
 138 16.8 13.0 19.4
 277 24.5 19.8 29.6

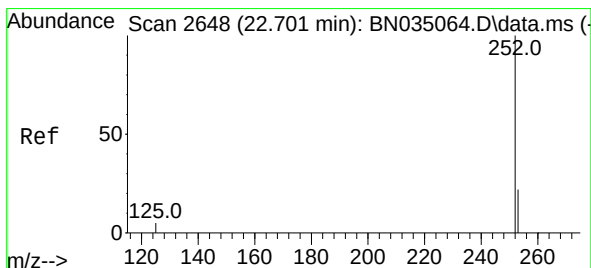
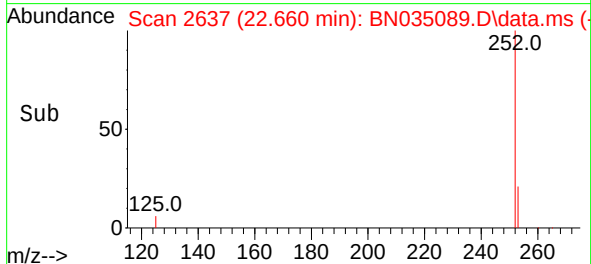
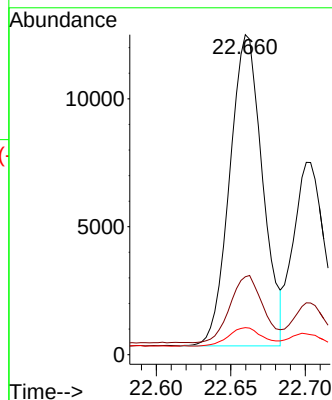
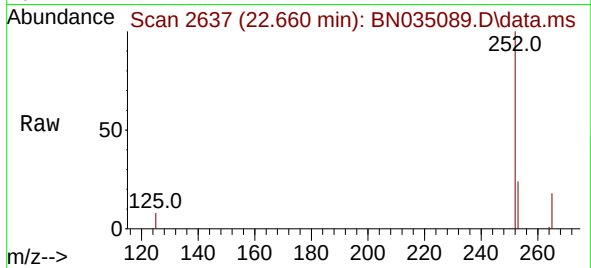




#37
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 22.660 min Scan# 2637
Delta R.T. 0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

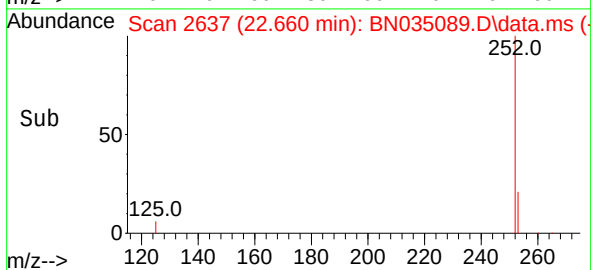
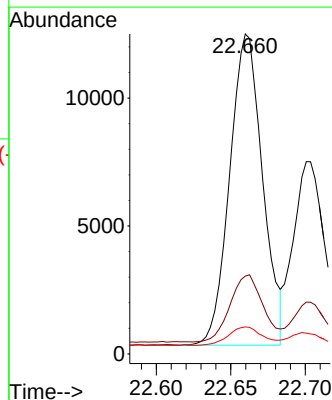
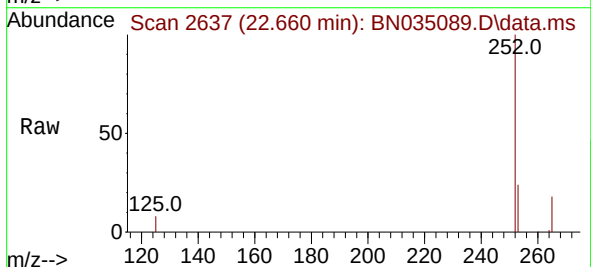
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

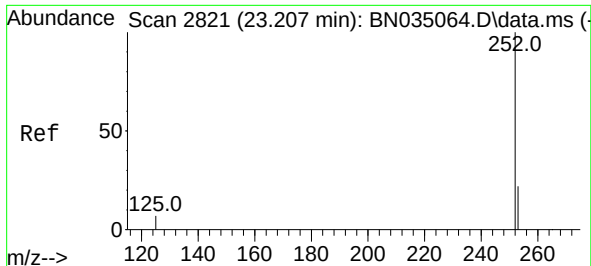
Tgt Ion:252 Resp: 18620
Ion Ratio Lower Upper
252 100
253 24.3 19.3 28.9
125 8.5 6.2 9.2



#38
Benzo(k)fluoranthene
Concen: 0.379 ng
RT: 22.660 min Scan# 2637
Delta R.T. -0.042 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Tgt Ion:252 Resp: 18620
Ion Ratio Lower Upper
252 100
253 24.3 19.5 29.3
125 8.5 6.5 9.7





#39

Benzo(a)pyrene

Concen: 0.206 ng

RT: 23.209 min Scan# 21

Delta R.T. 0.002 min

Lab File: BN035089.D

Acq: 14 Nov 2024 15:58

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

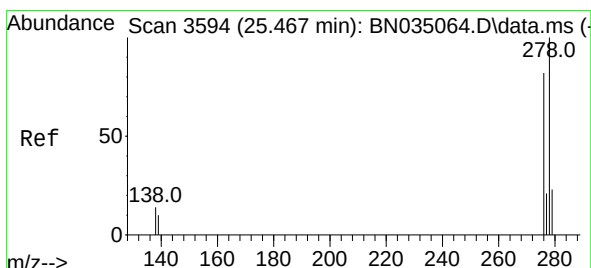
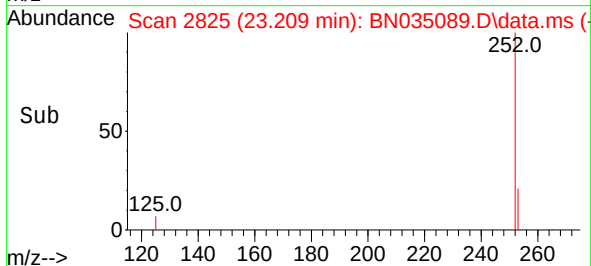
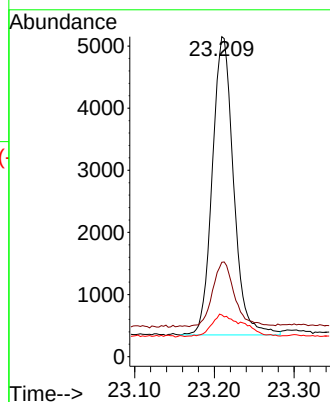
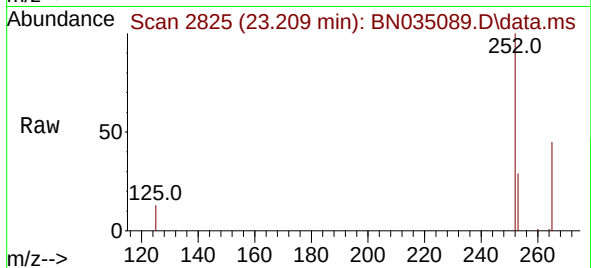
Tgt Ion:252 Resp: 8902

Ion Ratio Lower Upper

252 100

253 29.5 20.1 30.1

125 13.0 7.5 11.3#



#40

Dibenzo(a,h)anthracene

Concen: 0.354 ng

RT: 25.469 min Scan# 3598

Delta R.T. 0.002 min

Lab File: BN035089.D

Acq: 14 Nov 2024 15:58

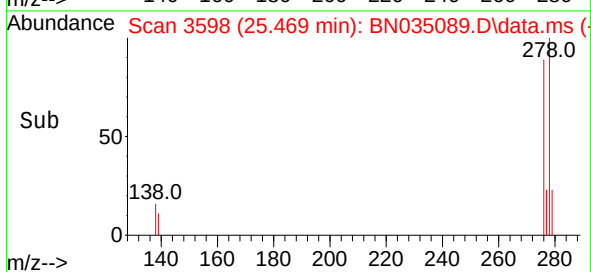
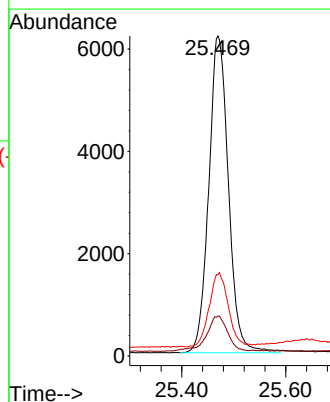
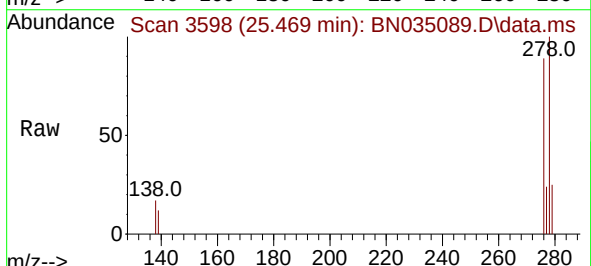
Tgt Ion:278 Resp: 16288

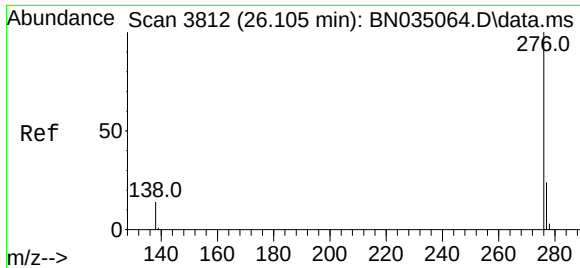
Ion Ratio Lower Upper

278 100

139 12.5 9.3 13.9

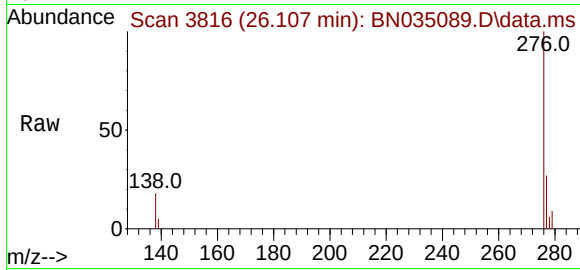
279 25.3 19.7 29.5





#41
Benzo(g,h,i)perylene
Concen: 0.110 ng
RT: 26.107 min Scan# 3816
Delta R.T. 0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL



Tgt Ion:	276	Resp:	5368
Ion	Ratio	Lower	Upper
276	100		
277	27.0	19.9	29.9
138	18.0	11.6	17.4#

