

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033608.D
 Acq On : 24 Aug 2024 02:56
 Operator : MA/JU
 Sample : P3641-01DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-907-K1-0-0.5-081524DL

Quant Time: Aug 24 03:49:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 00:22:18 2024
 Response via : Initial Calibration

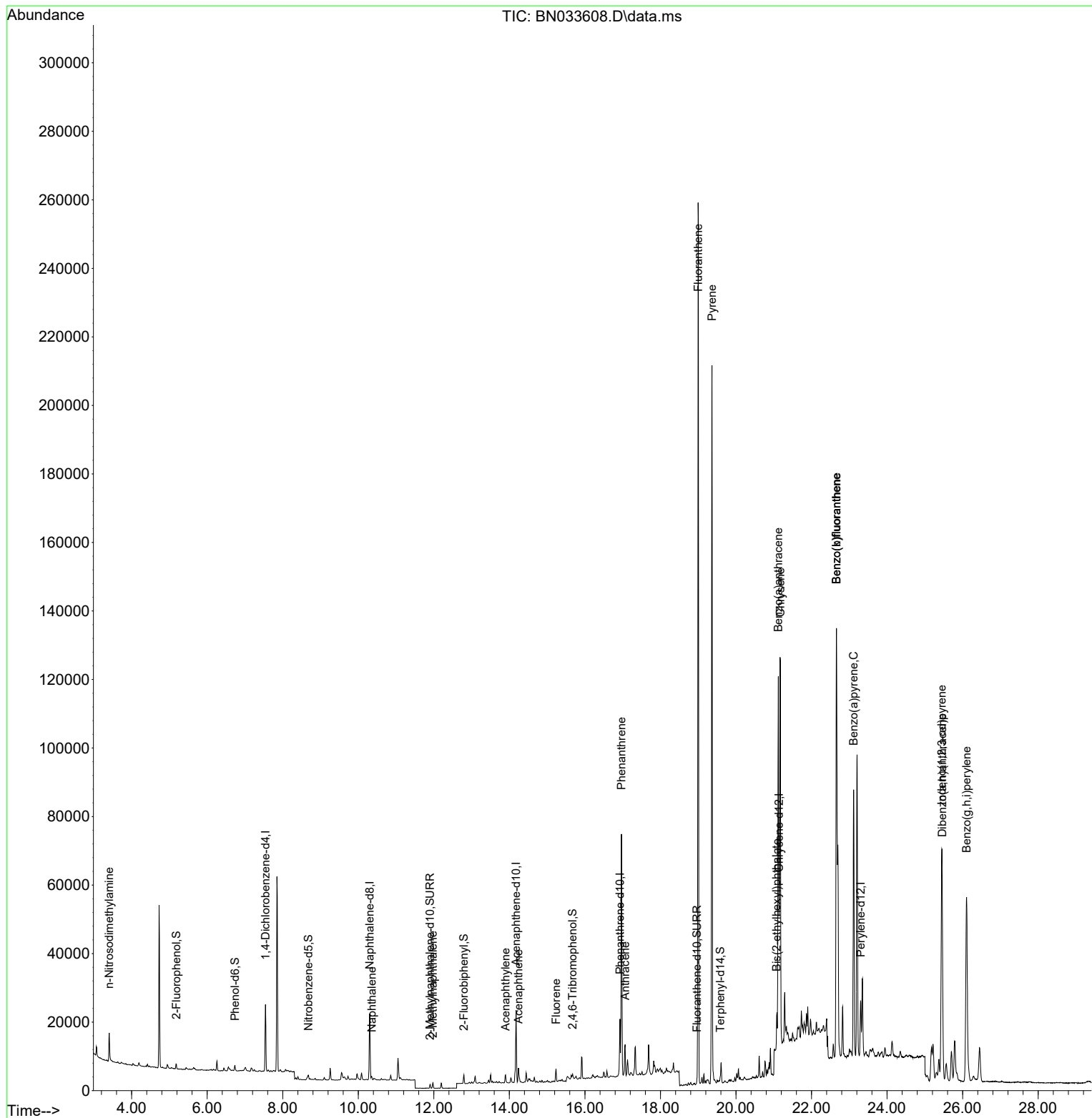
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8909	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	23864	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	11261	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20820	0.400	ng	0.00
29) Chrysene-d12	21.139	240	17600	0.400	ng	# 0.00
35) Perylene-d12	23.300	264	19075	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	1133	0.040	ng	0.00
5) Phenol-d6	6.736	99	1364	0.040	ng	0.00
8) Nitrobenzene-d5	8.681	82	1124	0.057	ng	0.00
11) 2-Methylnaphthalene-d10	11.899	152	1572	0.046	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	266	0.044	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	2100	0.046	ng	0.00
27) Fluoranthene-d10	18.970	212	2001	0.040	ng	0.00
31) Terphenyl-d14	19.583	244	1408	0.035	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.407	42	1560	0.131	ng	# 1
9) Naphthalene	10.357	128	1365	0.021	ng	# 81
12) 2-Methylnaphthalene	11.975	142	1104	0.027	ng	# 89
16) Acenaphthylene	13.900	152	2886	0.058	ng	98
17) Acenaphthene	14.242	154	1956	0.056	ng	94
18) Fluorene	15.236	166	2419	0.055	ng	96
25) Phenanthrene	16.966	178	69309	1.197	ng	99
26) Anthracene	17.066	178	10324	0.201	ng	# 95
28) Fluoranthene	18.998	202	224917	3.514	ng	100
30) Pyrene	19.365	202	185220	2.358	ng	# 95
32) Benzo(a)anthracene	21.121	228	89037	1.399	ng	96
33) Chrysene	21.175	228	117026	1.850	ng	98
34) Bis(2-ethylhexyl)phtha...	21.077	149	9265	0.230	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.449	276	102806	1.298	ng	# 93
37) Benzo(b)fluoranthene	22.660	252	188174	2.642	ng	# 95
38) Benzo(k)fluoranthene	22.660	252	188174	2.684	ng	# 93
39) Benzo(a)pyrene	23.116	252	97591	1.656	ng	95
40) Dibenzo(a,h)anthracene	25.460	278	21904	0.346	ng	93
41) Benzo(g,h,i)perylene	26.107	276	103938	1.535	ng	98

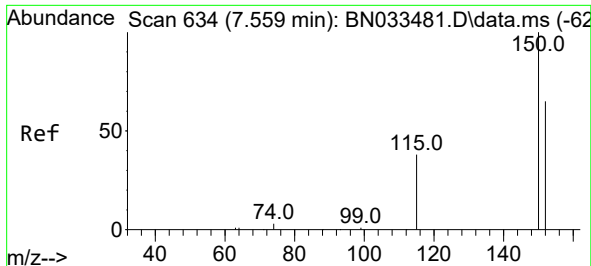
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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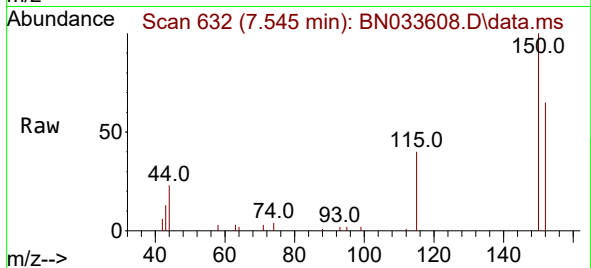
Quant Time: Aug 24 03:49:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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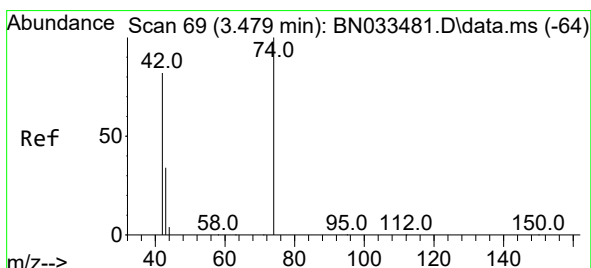
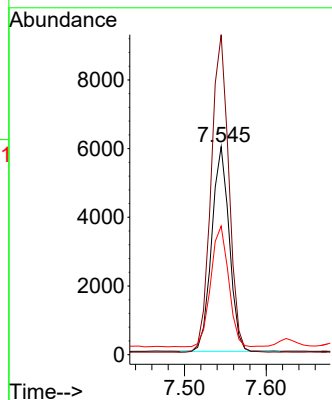
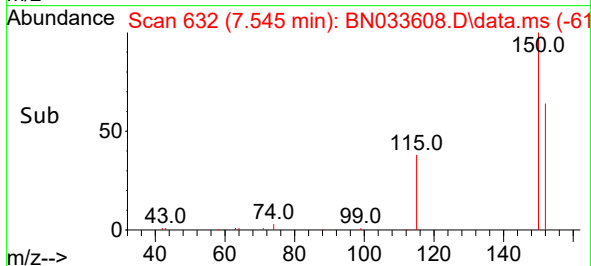


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL

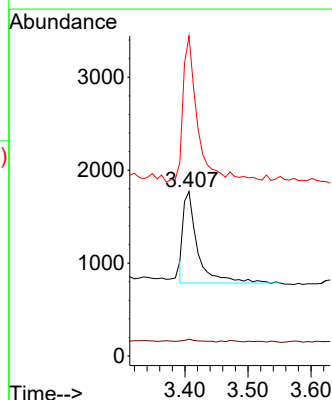
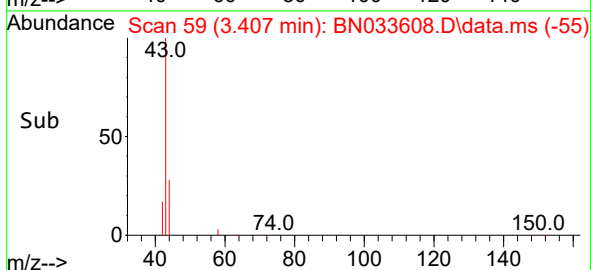
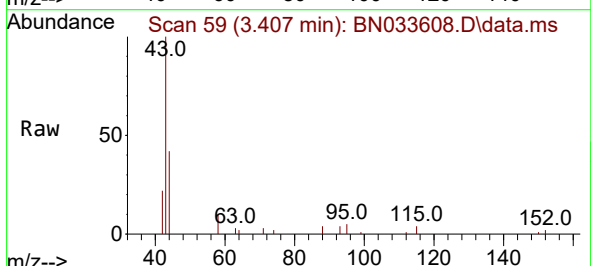


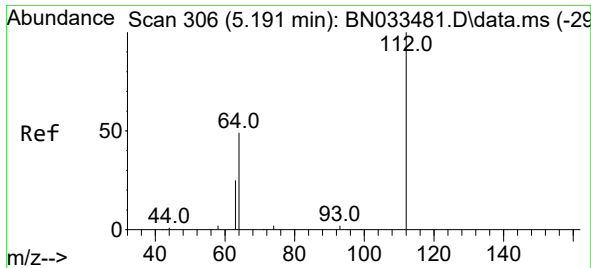
Tgt Ion:152 Resp: 8909
Ion Ratio Lower Upper
152 100
150 153.9 122.2 183.2
115 61.9 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.131 ng
RT: 3.407 min Scan# 59
Delta R.T. -0.072 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

Tgt Ion: 42 Resp: 1560
Ion Ratio Lower Upper
42 100
74 2.9 100.2 150.2#
44 133.1 5.3 7.9#

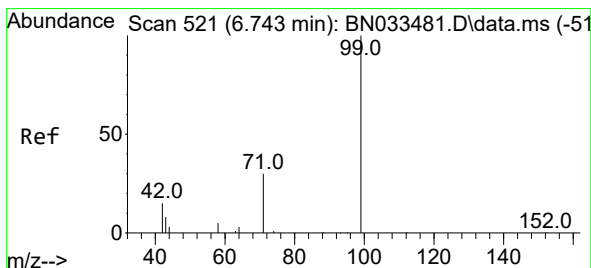
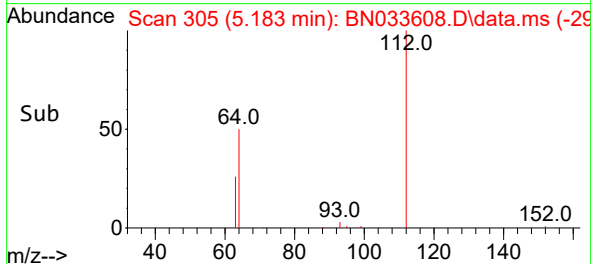
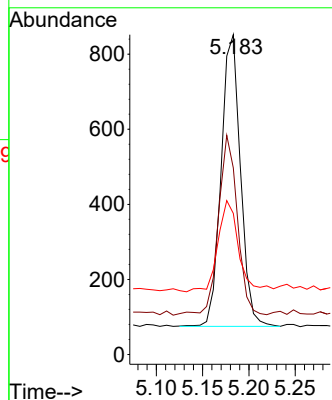
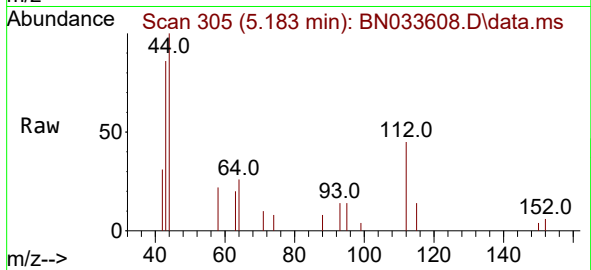




#4
2-Fluorophenol
Concen: 0.040 ng
RT: 5.183 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

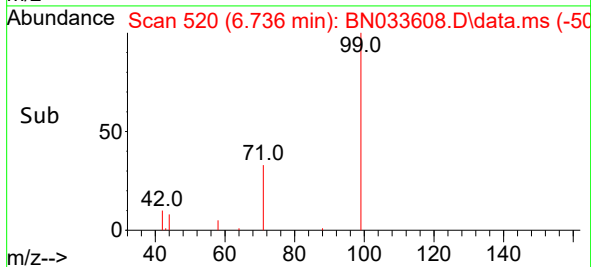
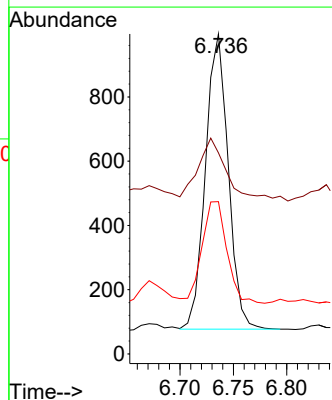
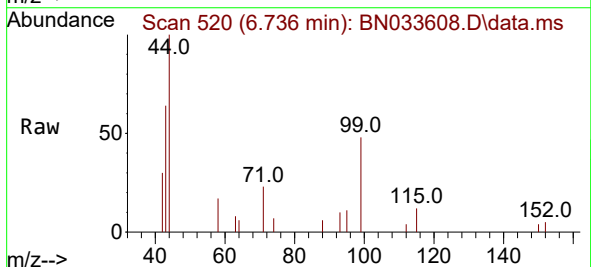
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL

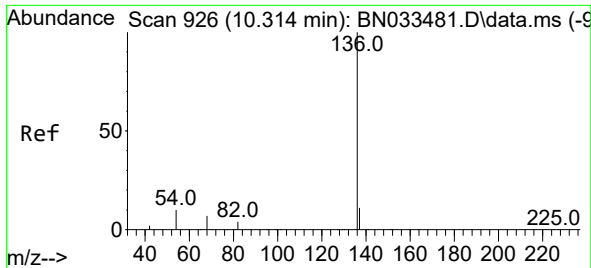
Tgt Ion:112 Resp: 1133
Ion Ratio Lower Upper
112 100
64 60.4 47.1 70.7
63 33.5 24.9 37.3



#5
Phenol-d6
Concen: 0.040 ng
RT: 6.736 min Scan# 520
Delta R.T. 0.007 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

Tgt Ion: 99 Resp: 1364
Ion Ratio Lower Upper
99 100
42 27.2 16.6 24.8#
71 37.5 26.2 39.4

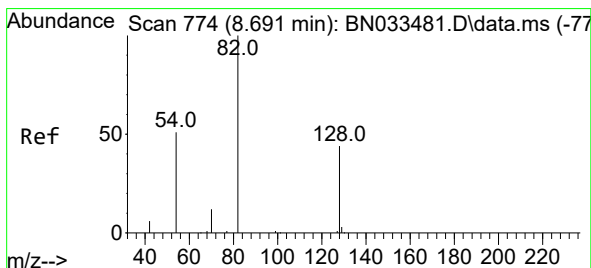
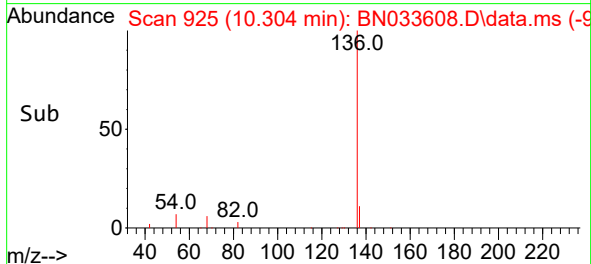
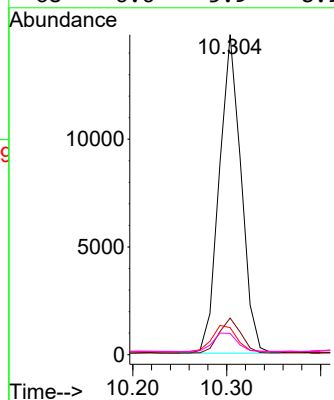
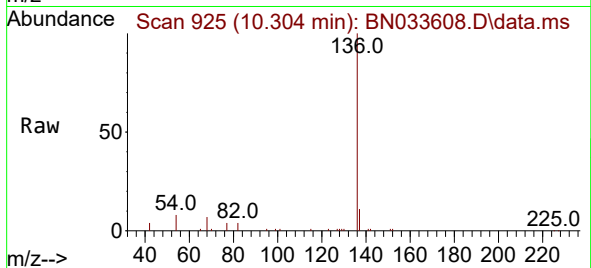




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

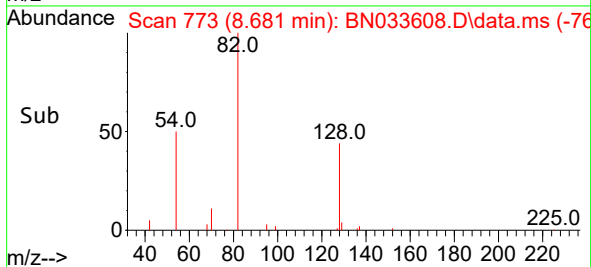
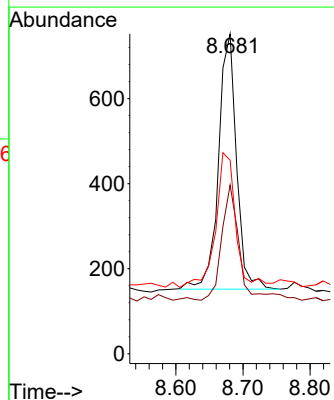
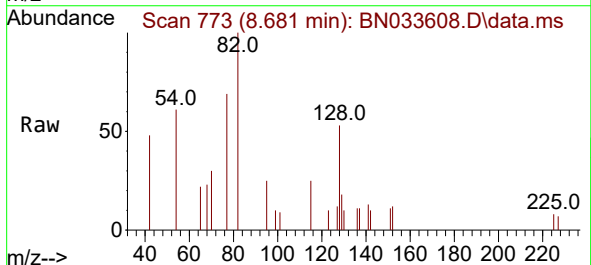
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL

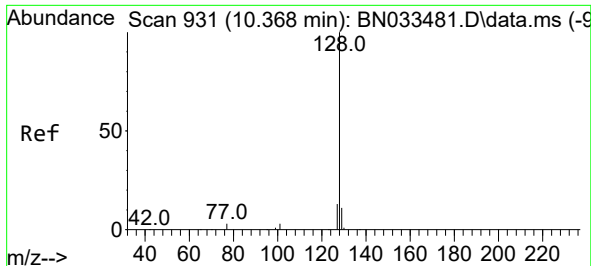
Tgt Ion:	136	Resp:	23864
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	8.4	8.3	12.5
68	6.6	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.057 ng
RT: 8.681 min Scan# 773
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

Tgt Ion:	82	Resp:	1124
Ion	Ratio	Lower	Upper
82	100		
128	52.8	36.0	54.0
54	60.5	42.0	63.0

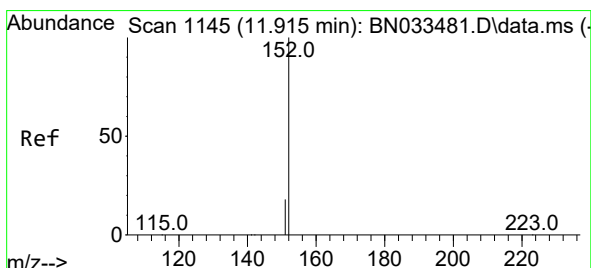
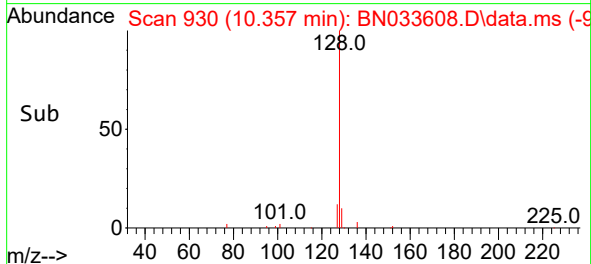
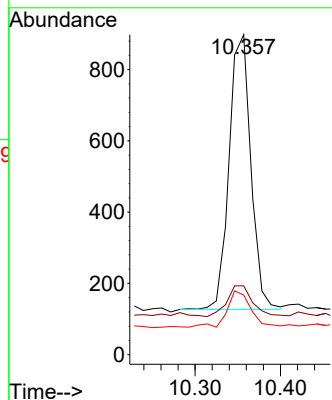
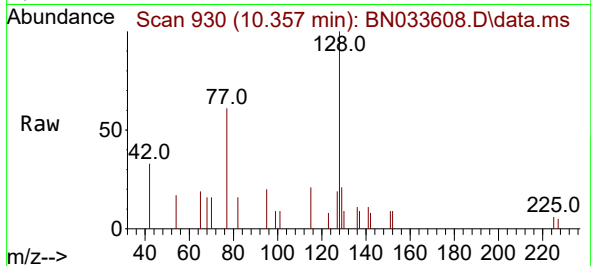




#9
Naphthalene
Concen: 0.021 ng
RT: 10.357 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

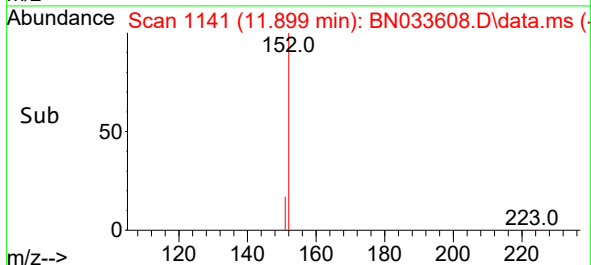
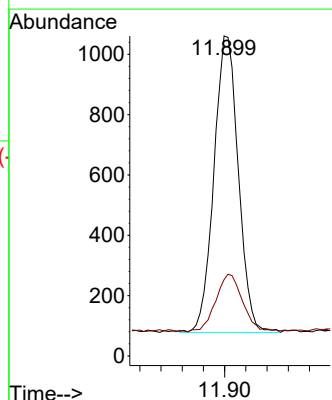
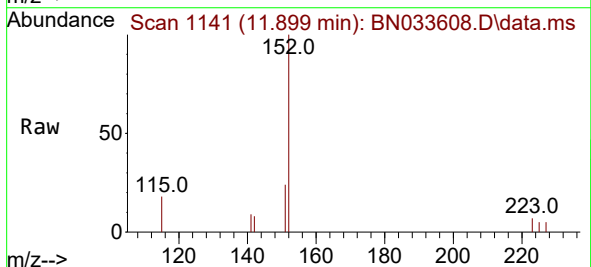
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL

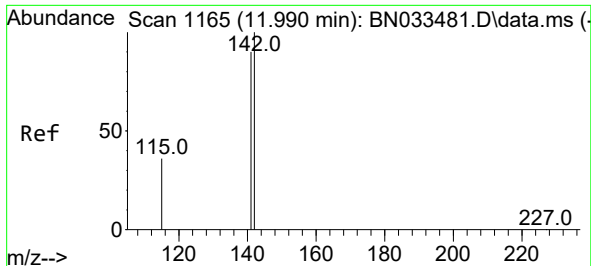
Tgt Ion:128 Resp: 1365
Ion Ratio Lower Upper
128 100
129 21.5 9.1 13.7#
127 18.6 10.7 16.1#



#11
2-Methylnaphthalene-d10
Concen: 0.046 ng
RT: 11.899 min Scan# 1141
Delta R.T. -0.004 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

Tgt Ion:152 Resp: 1572
Ion Ratio Lower Upper
152 100
151 21.5 16.6 25.0





#12

2-Methylnaphthalene

Concen: 0.027 ng

RT: 11.975 min Scan# 1161

Delta R.T. -0.004 min

Lab File: BN033608.D

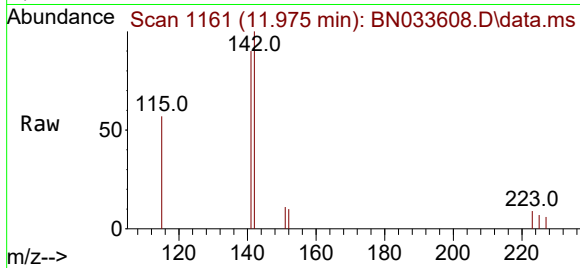
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Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524DL



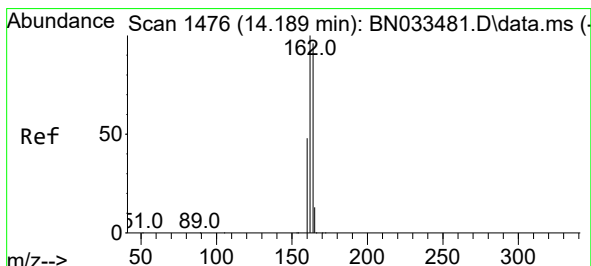
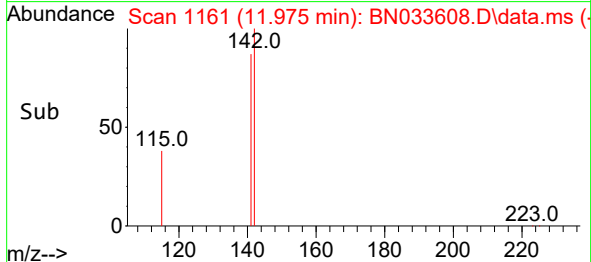
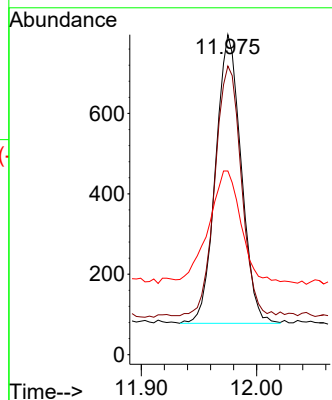
Tgt Ion:142 Resp: 1104

Ion Ratio Lower Upper

142 100

141 90.2 71.7 107.5

115 57.4 29.4 44.2#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.178 min Scan# 1475

Delta R.T. -0.000 min

Lab File: BN033608.D

Acq: 24 Aug 2024 02:56

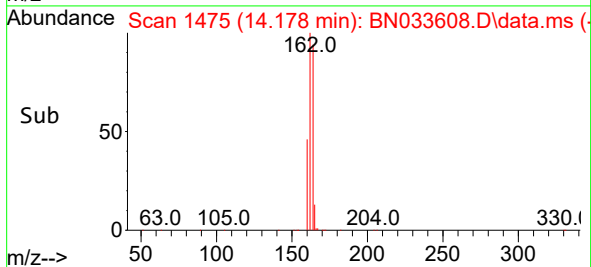
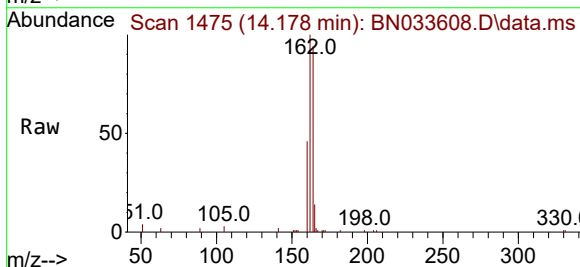
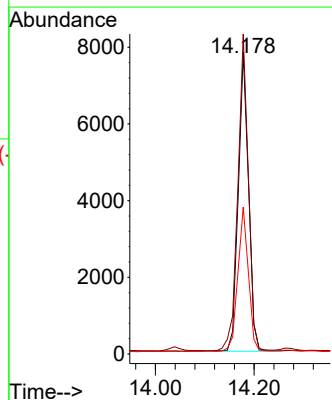
Tgt Ion:164 Resp: 11261

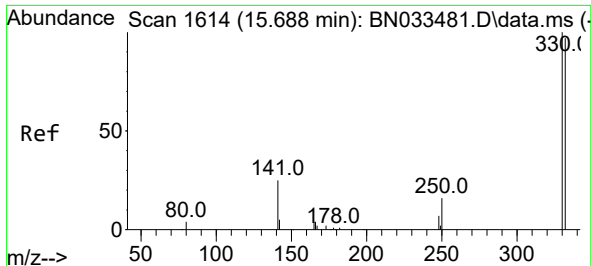
Ion Ratio Lower Upper

164 100

162 106.0 83.5 125.3

160 48.6 40.2 60.4

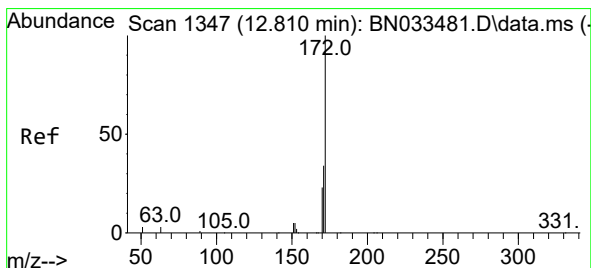
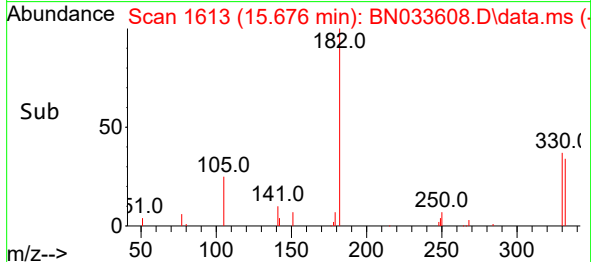
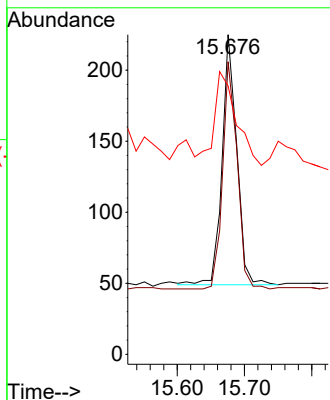
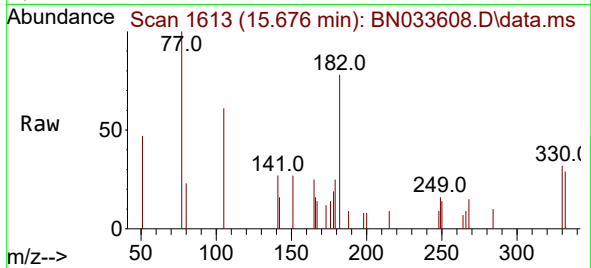




#14
2,4,6-Tribromophenol
Concen: 0.044 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

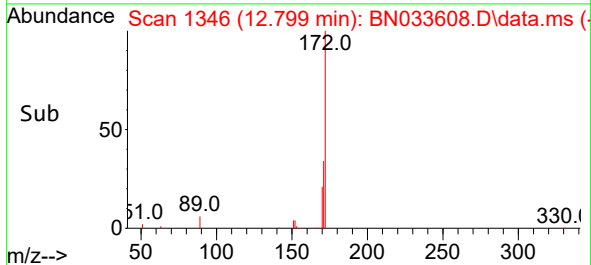
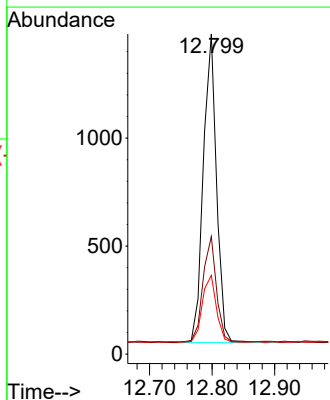
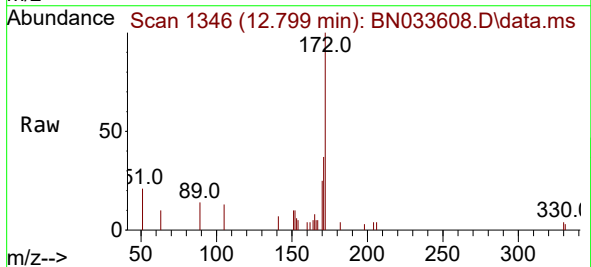
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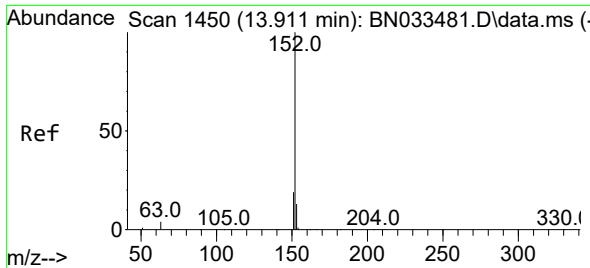
Tgt Ion:330 Resp: 266
Ion Ratio Lower Upper
330 100
332 89.8 77.5 116.3
141 56.4 33.9 50.9#



#15
2-Fluorobiphenyl
Concen: 0.046 ng
RT: 12.799 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

Tgt Ion:172 Resp: 2100
Ion Ratio Lower Upper
172 100
171 36.7 27.7 41.5
170 24.6 18.3 27.5

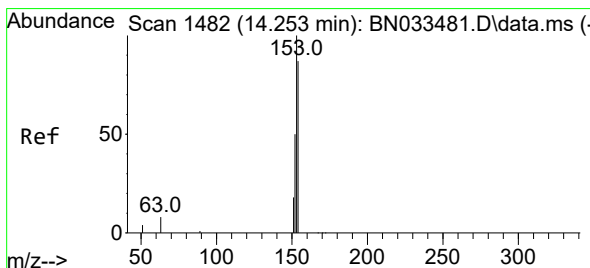
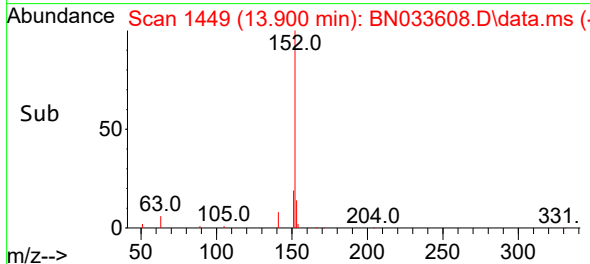
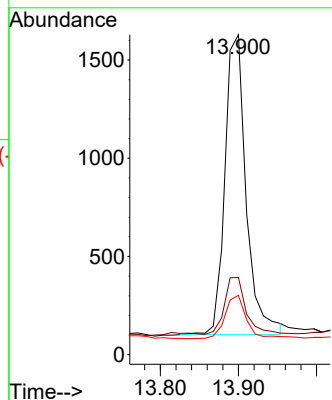
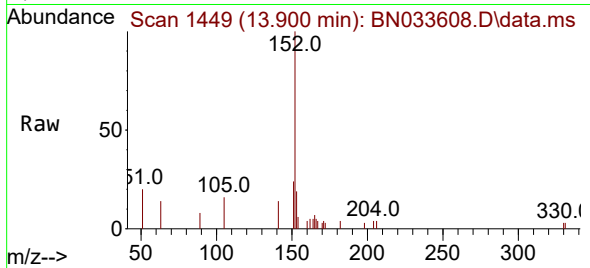




#16
Acenaphthylene
Concen: 0.058 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

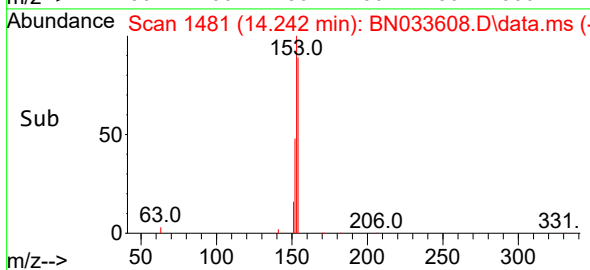
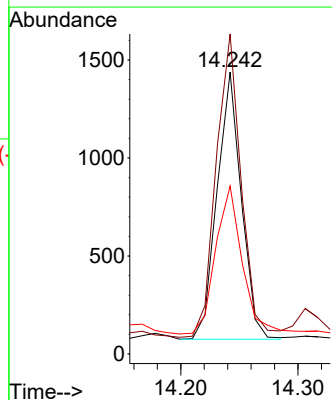
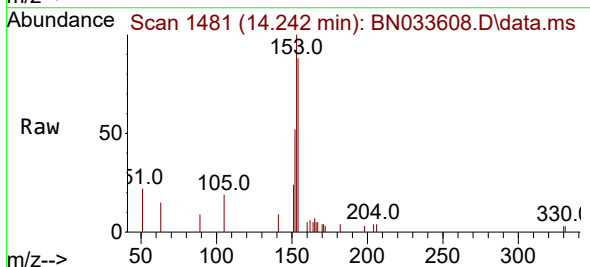
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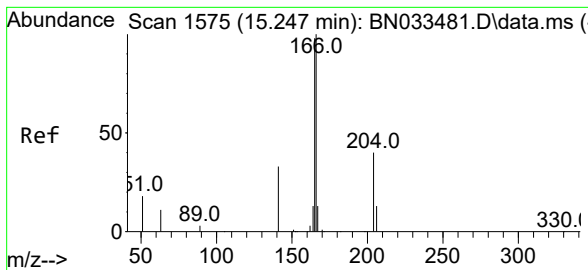
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Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 14.6 10.3 15.5



#17
Acenaphthene
Concen: 0.056 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

Tgt Ion:154 Resp: 1956
Ion Ratio Lower Upper
154 100
153 117.5 89.0 133.6
152 61.0 45.2 67.8





#18

Fluorene

Concen: 0.055 ng

RT: 15.236 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN033608.D

Acq: 24 Aug 2024 02:56

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524DL

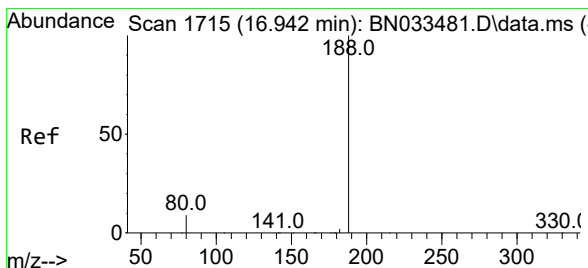
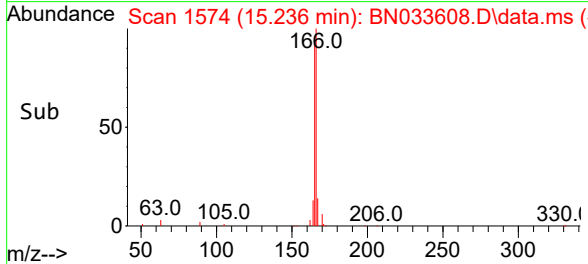
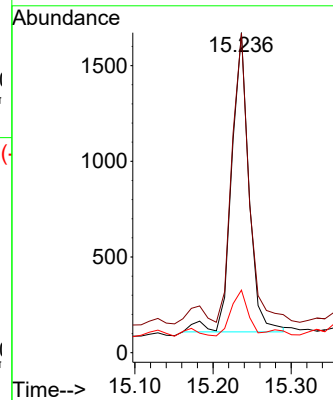
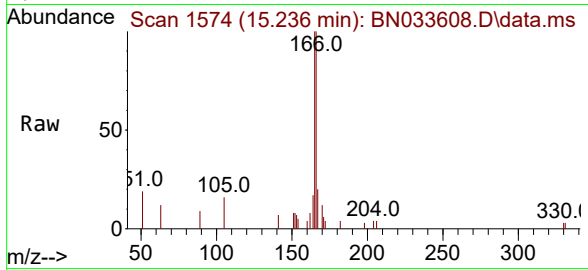
Tgt Ion:166 Resp: 2419

Ion Ratio Lower Upper

166 100

165 94.3 78.2 117.4

167 15.3 10.6 16.0



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.929 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BN033608.D

Acq: 24 Aug 2024 02:56

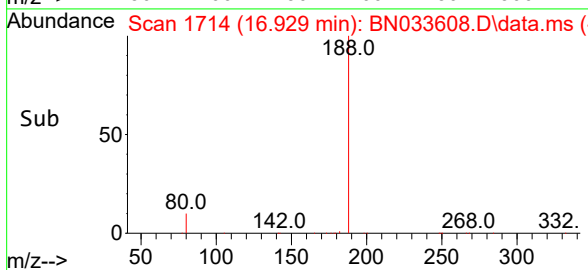
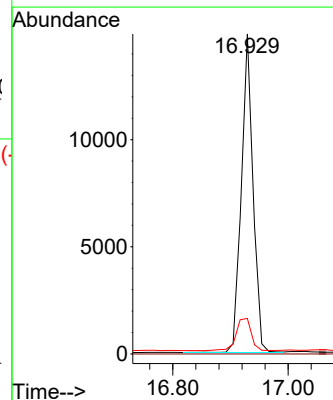
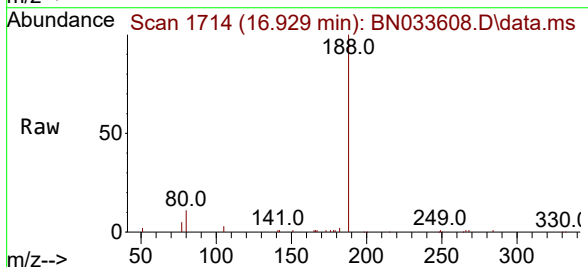
Tgt Ion:188 Resp: 20820

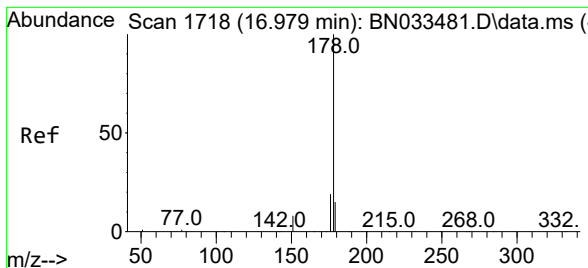
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.1 7.8 11.8





#25

Phenanthrene

Concen: 1.197 ng

RT: 16.966 min Scan# 1717

Delta R.T. -0.000 min

Lab File: BN033608.D

Acq: 24 Aug 2024 02:56

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524DL

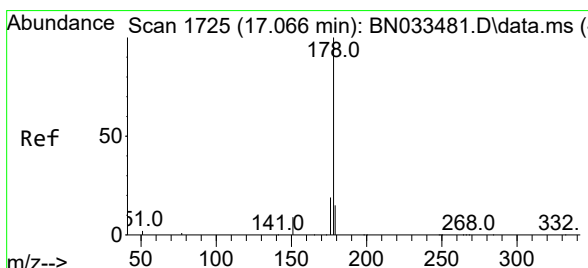
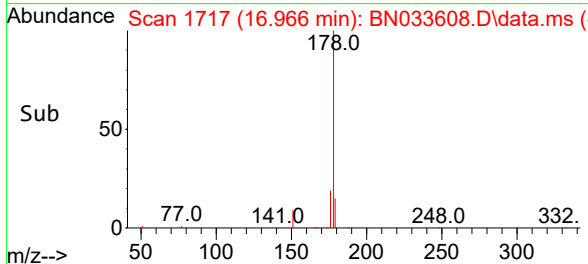
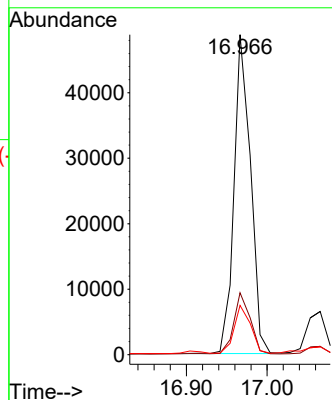
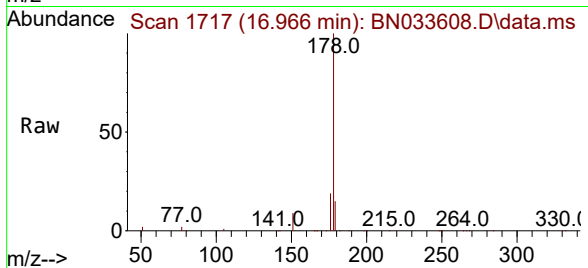
Tgt Ion:178 Resp: 69309

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 14.9 12.3 18.5



#26

Anthracene

Concen: 0.201 ng

RT: 17.066 min Scan# 1725

Delta R.T. -0.000 min

Lab File: BN033608.D

Acq: 24 Aug 2024 02:56

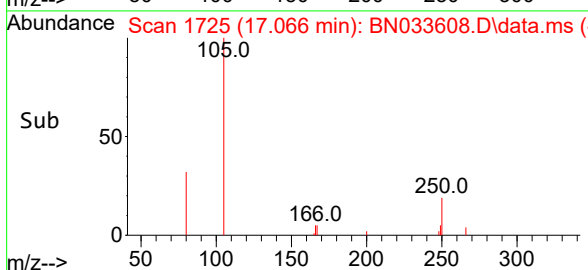
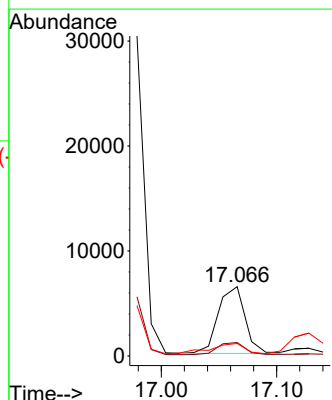
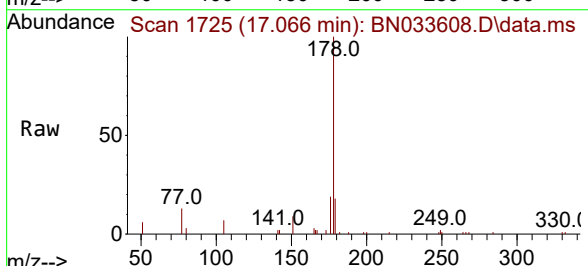
Tgt Ion:178 Resp: 10324

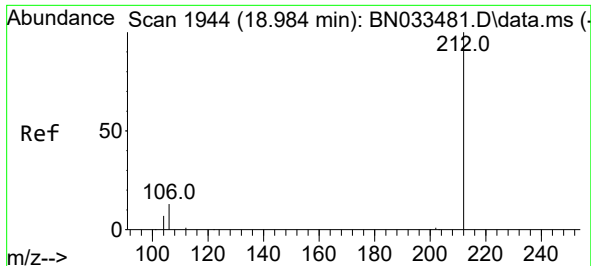
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.6

179 19.7 12.4 18.6#

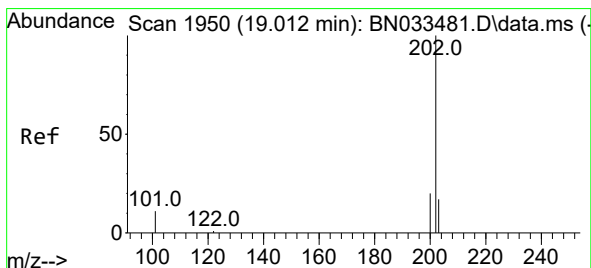
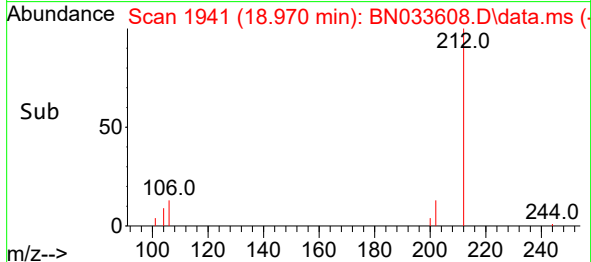
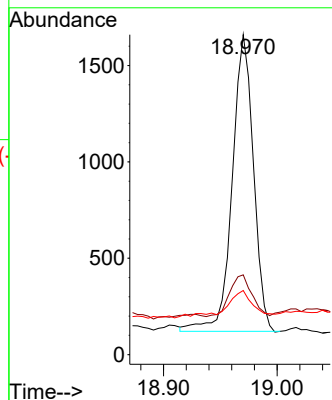
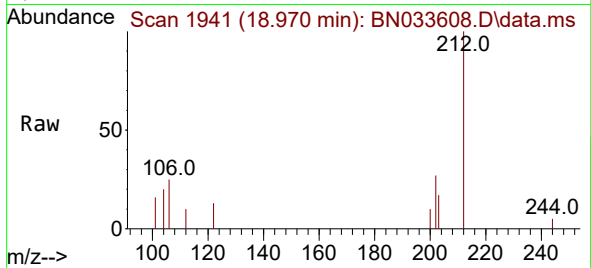




#27
Fluoranthene-d10
Concen: 0.040 ng
RT: 18.970 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

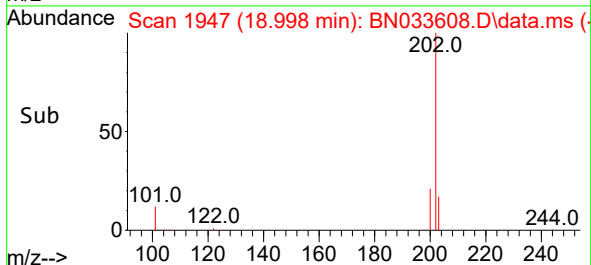
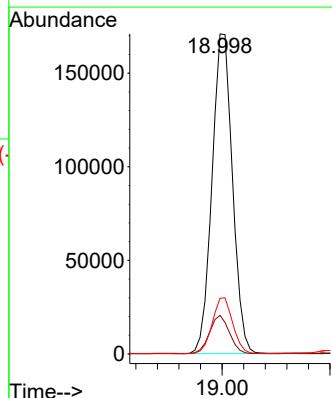
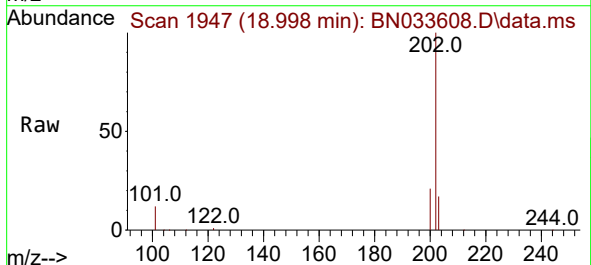
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL

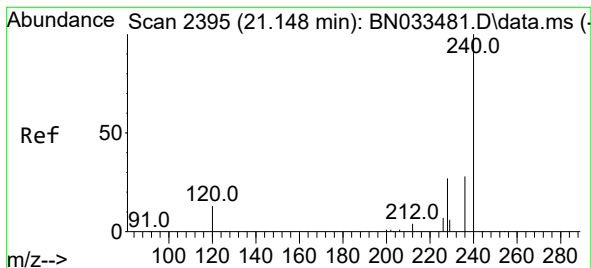
Tgt Ion:212 Resp: 2001
Ion Ratio Lower Upper
212 100
106 14.7 12.3 18.5
104 8.1 7.0 10.4



#28
Fluoranthene
Concen: 3.514 ng
RT: 18.998 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

Tgt Ion:202 Resp: 224917
Ion Ratio Lower Upper
202 100
101 11.6 9.5 14.3
203 17.3 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.139 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033608.D

Acq: 24 Aug 2024 02:56

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524DL

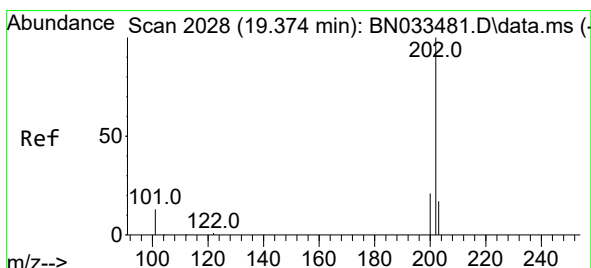
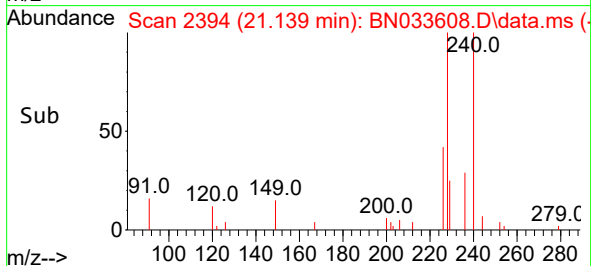
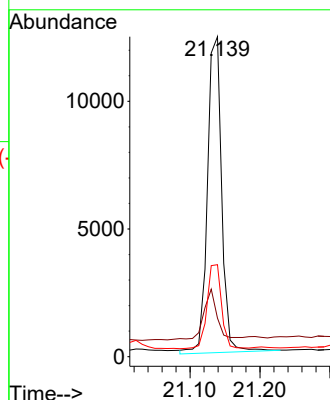
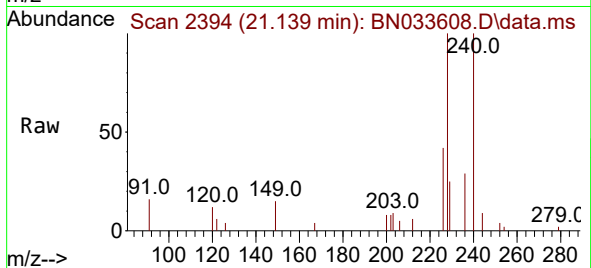
Tgt Ion:240 Resp: 17600

Ion Ratio Lower Upper

240 100

120 12.1 12.4 18.6#

236 28.7 23.0 34.6



#30

Pyrene

Concen: 2.358 ng

RT: 19.365 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BN033608.D

Acq: 24 Aug 2024 02:56

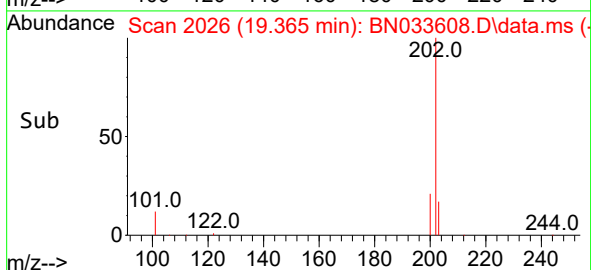
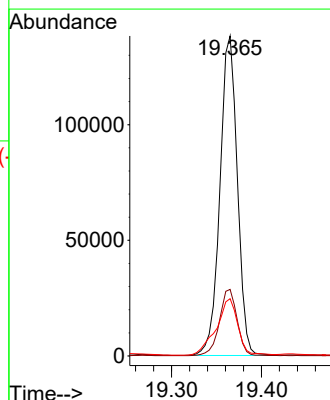
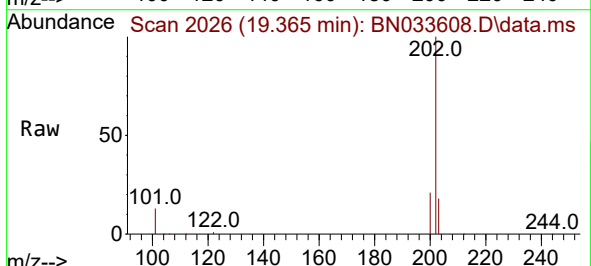
Tgt Ion:202 Resp: 185220

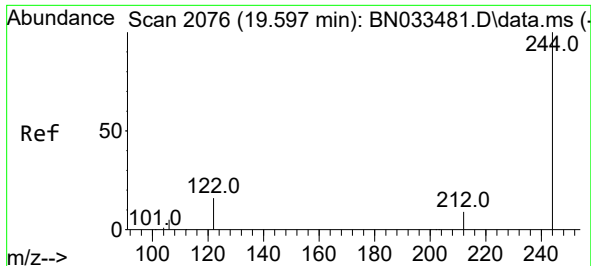
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 21.9 14.2 21.4#

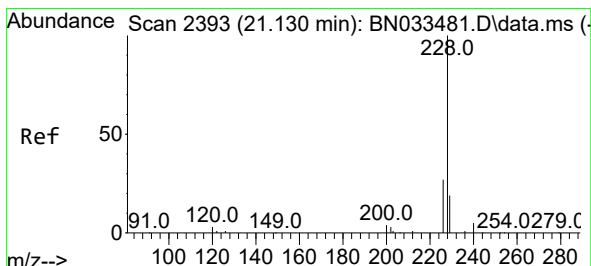
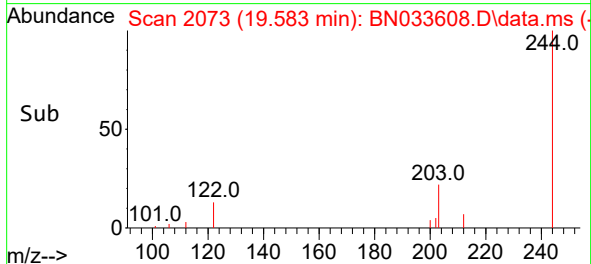
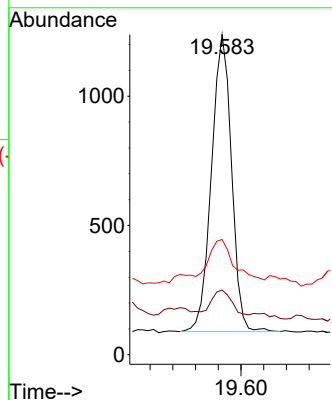
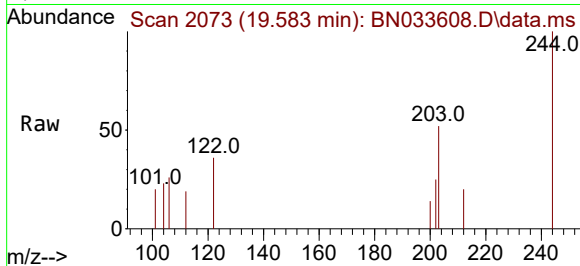




#31
 Terphenyl-d14
 Concen: 0.035 ng
 RT: 19.583 min Scan# 2076
 Delta R.T. -0.000 min
 Lab File: BN033608.D
 Acq: 24 Aug 2024 02:56

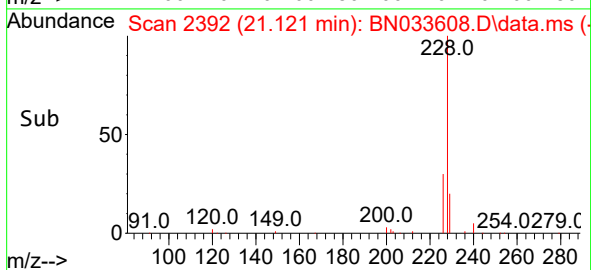
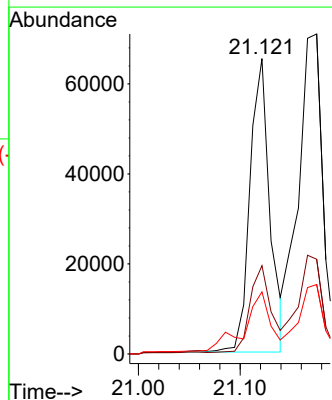
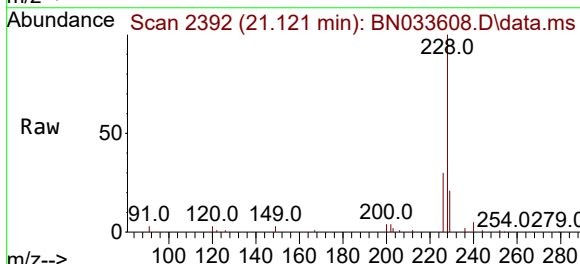
Instrument :
 BNA_N
 ClientSampleId :
 S-907-K1-0-0.5-081524DL

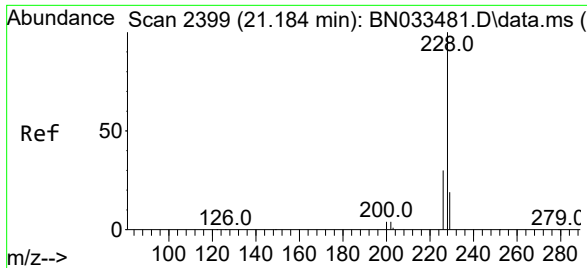
Tgt Ion:244 Resp: 1408
 Ion Ratio Lower Upper
 244 100
 212 20.2 7.8 11.6#
 122 36.0 13.3 19.9#



#32
 Benzo(a)anthracene
 Concen: 1.399 ng
 RT: 21.121 min Scan# 2392
 Delta R.T. -0.000 min
 Lab File: BN033608.D
 Acq: 24 Aug 2024 02:56

Tgt Ion:228 Resp: 89037
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.8 32.6
 229 21.0 15.8 23.6





#33

Chrysene

Concen: 1.850 ng

RT: 21.175 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033608.D

Acq: 24 Aug 2024 02:56

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524DL

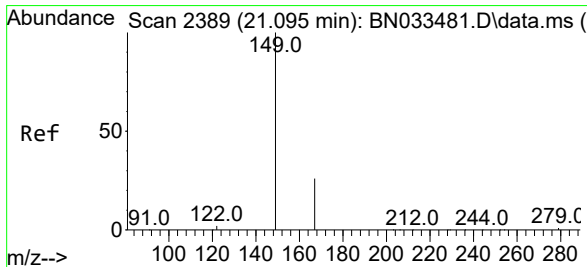
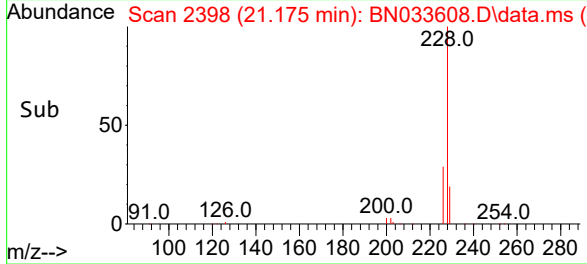
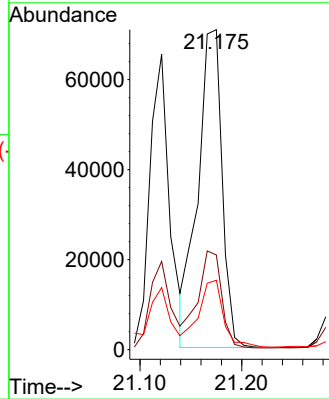
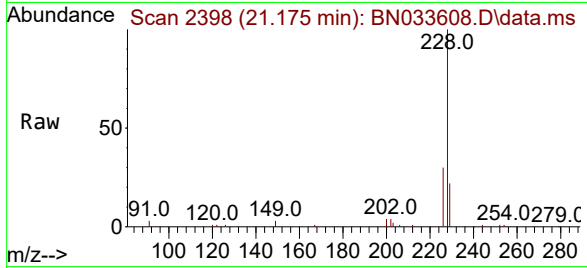
Tgt Ion:228 Resp: 117026

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 21.7 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.230 ng

RT: 21.077 min Scan# 2387

Delta R.T. -0.009 min

Lab File: BN033608.D

Acq: 24 Aug 2024 02:56

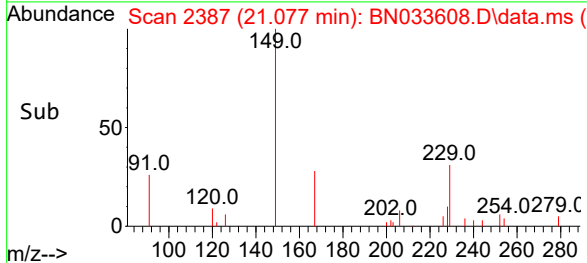
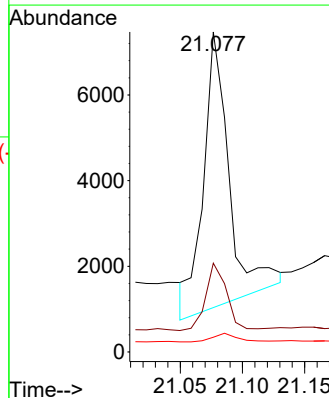
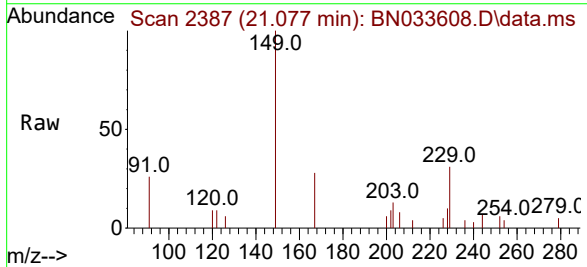
Tgt Ion:149 Resp: 9265

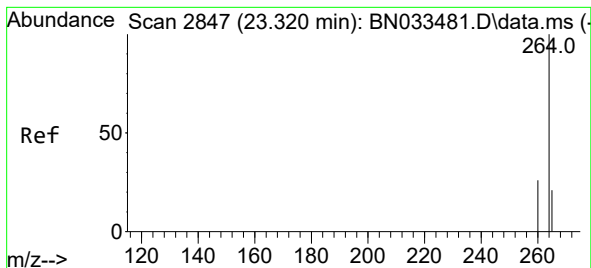
Ion Ratio Lower Upper

149 100

167 25.0 21.5 32.3

279 5.2 2.2 3.2#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.300 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN033608.D

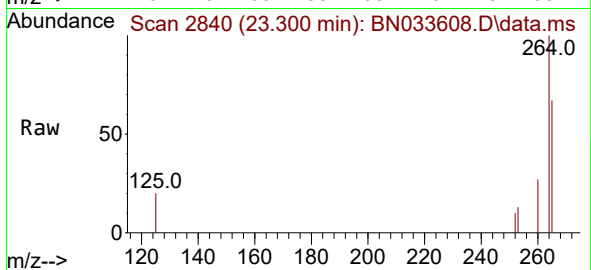
Acq: 24 Aug 2024 02:56

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524DL



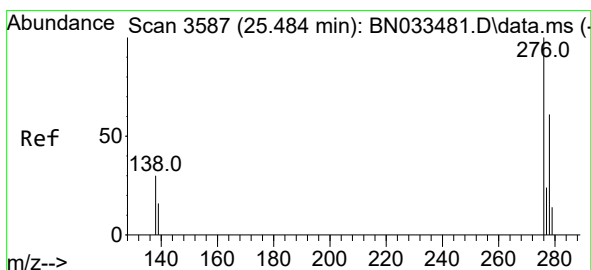
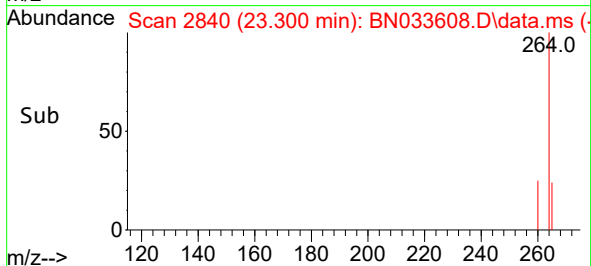
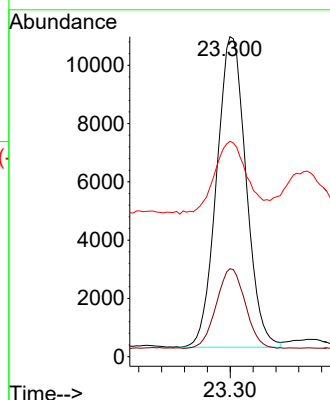
Tgt Ion:264 Resp: 19075

Ion Ratio Lower Upper

264 100

260 27.5 20.8 31.2

265 67.3 52.2 78.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.298 ng

RT: 25.449 min Scan# 3575

Delta R.T. -0.000 min

Lab File: BN033608.D

Acq: 24 Aug 2024 02:56

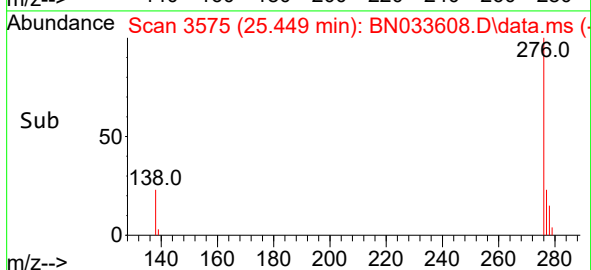
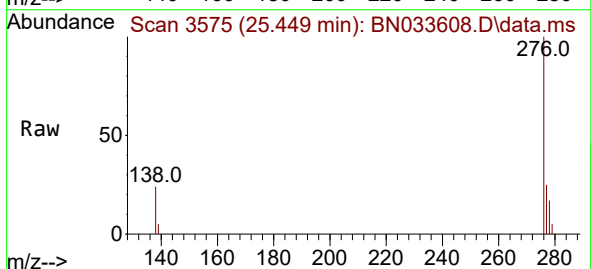
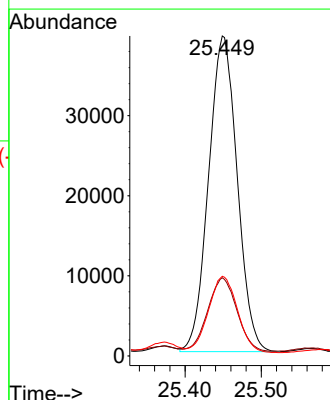
Tgt Ion:276 Resp: 102806

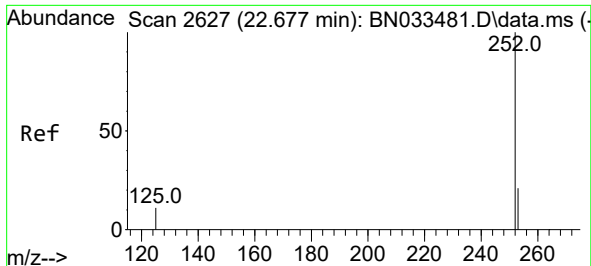
Ion Ratio Lower Upper

276 100

138 23.8 24.4 36.6#

277 24.5 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 2.642 ng

RT: 22.660 min Scan# 2621

Delta R.T. -0.000 min

Lab File: BN033608.D

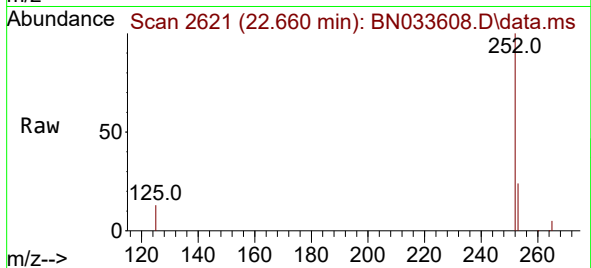
Acq: 24 Aug 2024 02:56

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524DL



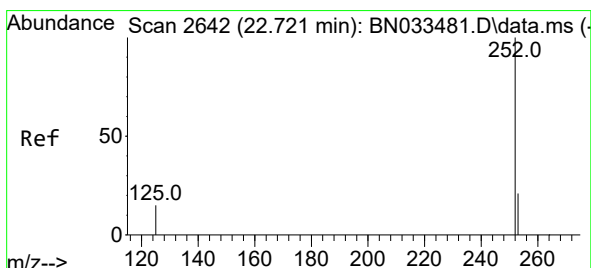
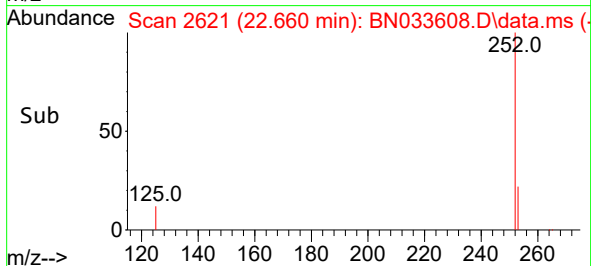
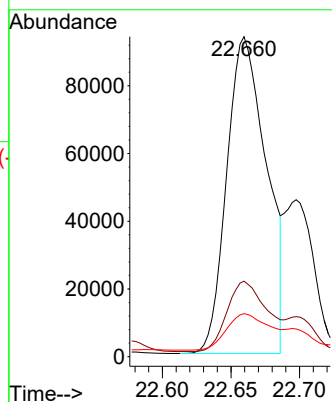
Tgt Ion:252 Resp: 188174

Ion Ratio Lower Upper

252 100

253 23.6 19.8 29.8

125 13.5 13.9 20.9#



#38

Benzo(k)fluoranthene

Concen: 2.684 ng

RT: 22.660 min Scan# 2621

Delta R.T. -0.044 min

Lab File: BN033608.D

Acq: 24 Aug 2024 02:56

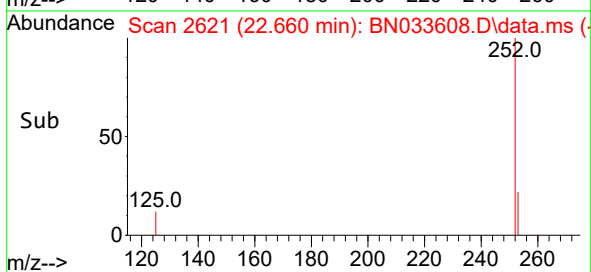
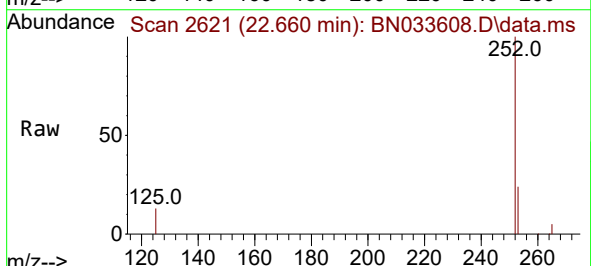
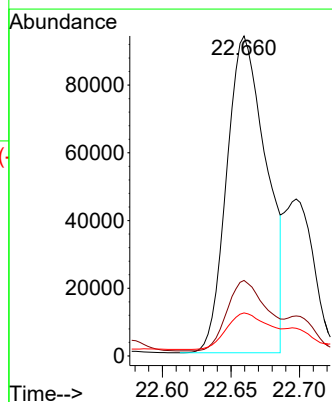
Tgt Ion:252 Resp: 188174

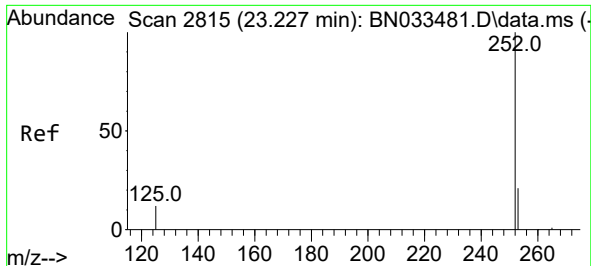
Ion Ratio Lower Upper

252 100

253 23.6 19.8 29.8

125 13.5 15.8 23.8#





#39

Benzo(a)pyrene

Concen: 1.656 ng

RT: 23.116 min Scan# 21

Delta R.T. -0.094 min

Lab File: BN033608.D

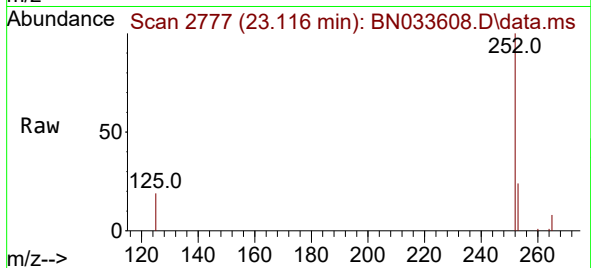
Acq: 24 Aug 2024 02:56

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524DL



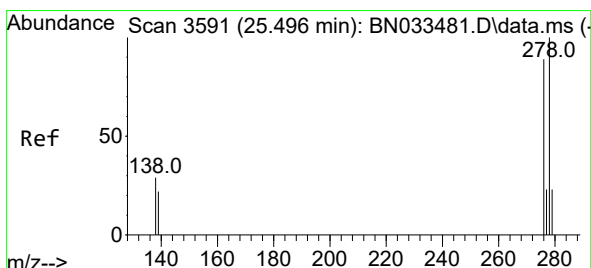
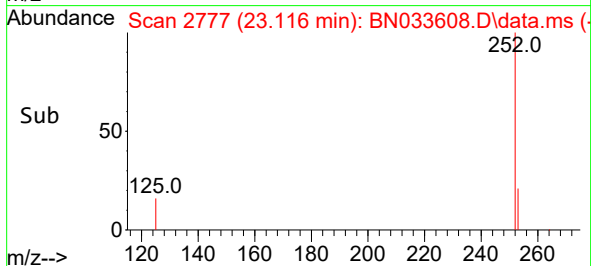
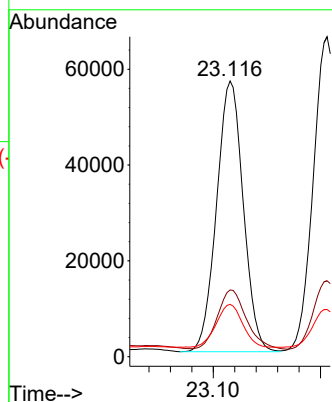
Tgt Ion:252 Resp: 97591

Ion Ratio Lower Upper

252 100

253 24.2 21.5 32.3

125 19.0 17.0 25.4



#40

Dibenzo(a,h)anthracene

Concen: 0.346 ng

RT: 25.460 min Scan# 3579

Delta R.T. -0.009 min

Lab File: BN033608.D

Acq: 24 Aug 2024 02:56

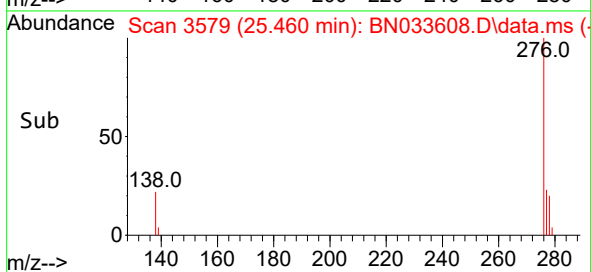
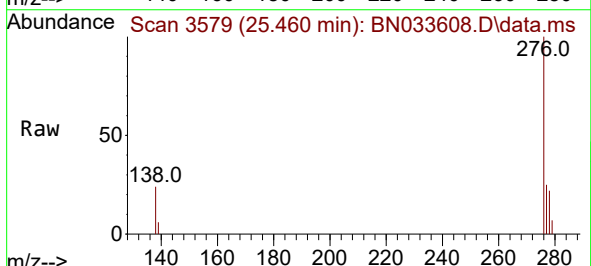
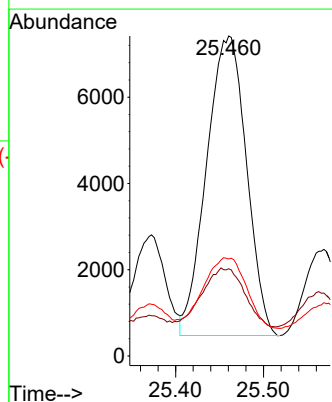
Tgt Ion:278 Resp: 21904

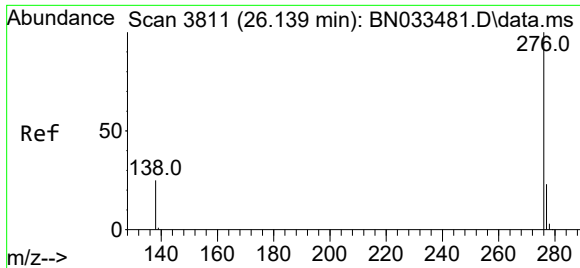
Ion Ratio Lower Upper

278 100

139 27.3 19.1 28.7

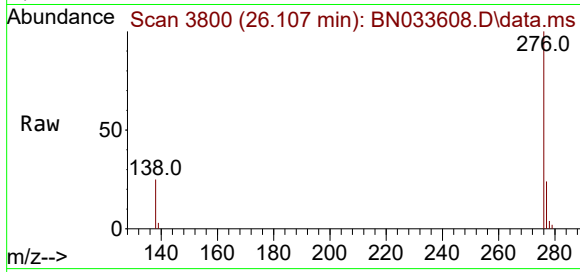
279 30.3 21.0 31.4





#41
Benzo(g,h,i)perylene
Concen: 1.535 ng
RT: 26.107 min Scan# 31
Delta R.T. 0.003 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL



Tgt Ion:276 Resp: 103938
Ion Ratio Lower Upper
276 100
277 24.5 19.7 29.5
138 25.0 21.8 32.6

