

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033558.D
 Acq On : 22 Aug 2024 18:19
 Operator : MA/JU
 Sample : P3663-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 919-J-SD-0.5-1-081624

Quant Time: Aug 23 00:02:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

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

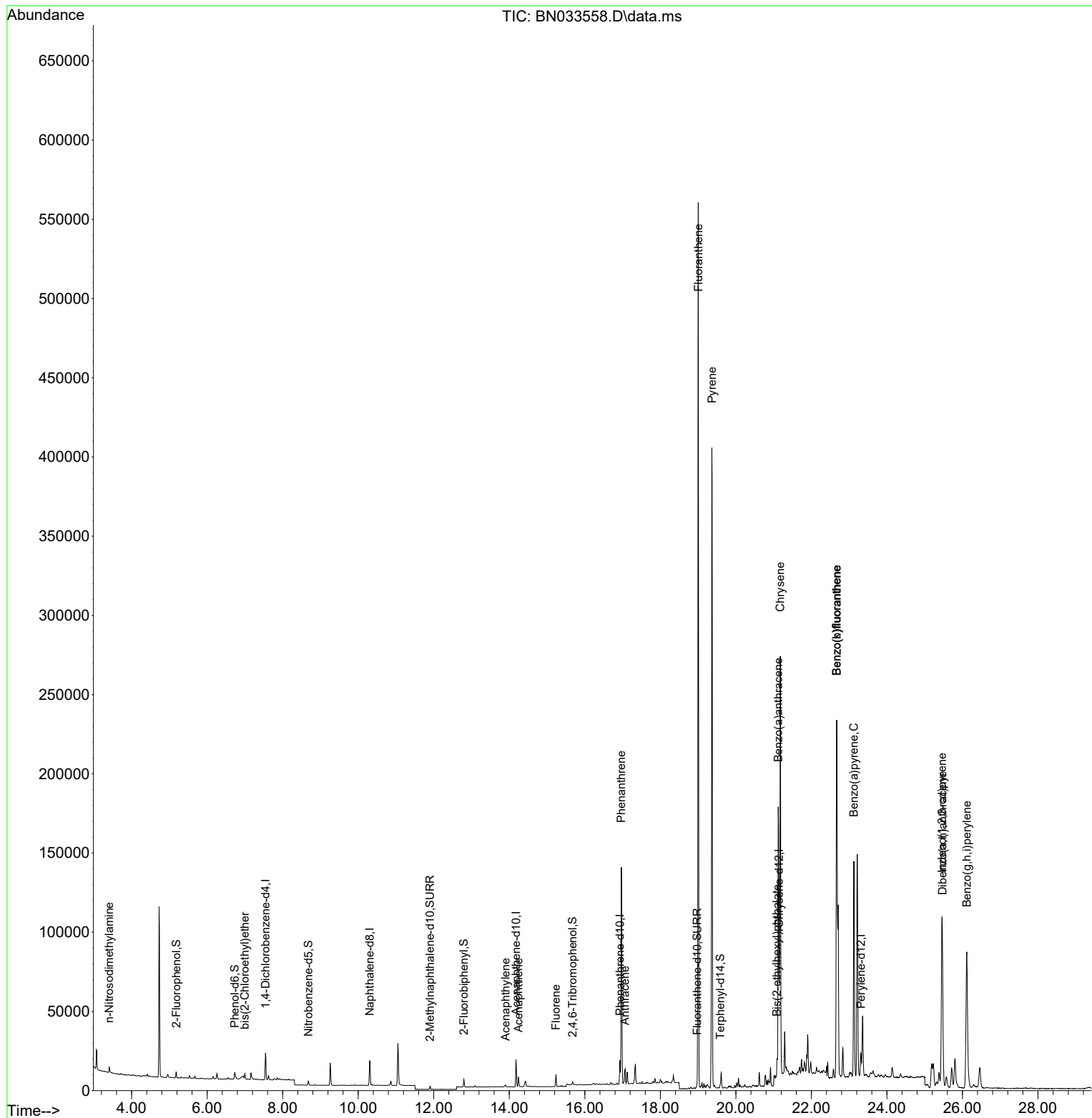
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	7795	0.400	ng	-0.01
7) Naphthalene-d8	10.304	136	19738	0.400	ng	-0.01
13) Acenaphthene-d10	14.178	164	9172	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	18185	0.400	ng	-0.01
29) Chrysene-d12	21.139	240	16263	0.400	ng	0.00
35) Perylene-d12	23.309	264	17555	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	2817	0.114	ng	0.00
5) Phenol-d6	6.729	99	3316	0.113	ng	-0.01
8) Nitrobenzene-d5	8.681	82	1951	0.119	ng	-0.01
11) 2-Methylnaphthalene-d10	11.903	152	2806	0.099	ng	-0.01
14) 2,4,6-Tribromophenol	15.676	330	524	0.106	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	3539	0.094	ng	-0.01
27) Fluoranthene-d10	18.975	212	3060	0.070	ng	0.00
31) Terphenyl-d14	19.588	244	1915	0.052	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.407	42	876	0.084	ng	# 1
6) bis(2-Chloroethyl)ether	6.996	93	4320	0.207	ng	# 23
16) Acenaphthylene	13.900	152	1393	0.035	ng	# 89
17) Acenaphthene	14.242	154	2816	0.100	ng	97
18) Fluorene	15.236	166	4754	0.133	ng	99
25) Phenanthrene	16.967	178	146697	2.900	ng	100
26) Anthracene	17.066	178	9938	0.222	ng	# 93
28) Fluoranthene	19.003	202	454802	8.135	ng	100
30) Pyrene	19.365	202	360843	4.971	ng	# 96
32) Benzo(a)anthracene	21.122	228	160074	2.722	ng	98
33) Chrysene	21.175	228	225834	3.864	ng	98
34) Bis(2-ethylhexyl)phtha...	21.086	149	7409	0.199	ng	97
36) Indeno(1,2,3-cd)pyrene	25.458	276	163744	2.247	ng	94
37) Benzo(b)fluoranthene	22.669	252	331102	5.051	ng	# 93
38) Benzo(k)fluoranthene	22.669	252	331102	5.131	ng	# 91
39) Benzo(a)pyrene	23.125	252	166996	3.079	ng	93
40) Dibenzo(a,h)anthracene	25.469	278	34074	0.585	ng	97
41) Benzo(g,h,i)perylene	26.113	276	165082	2.649	ng	99

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

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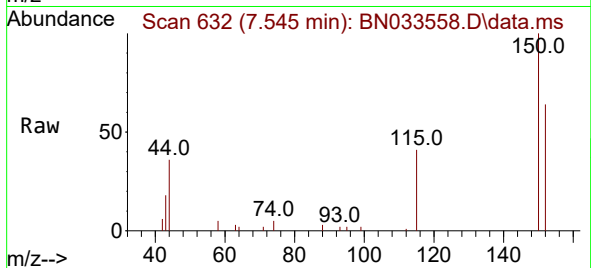
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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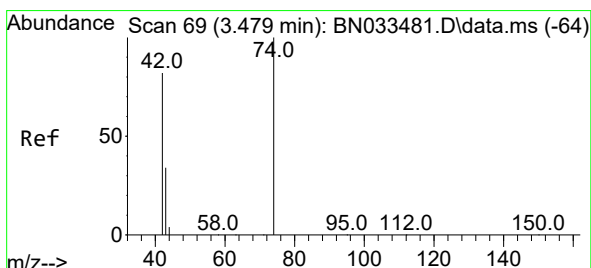
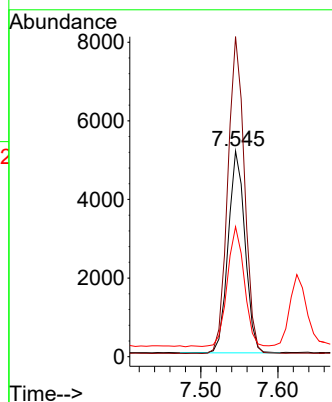
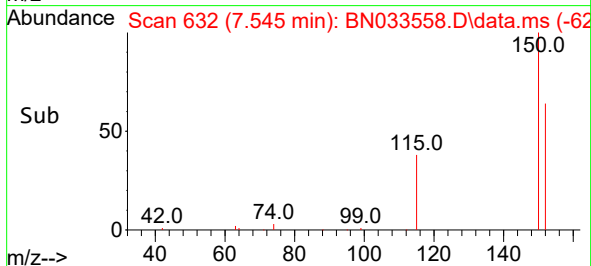


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.014 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624

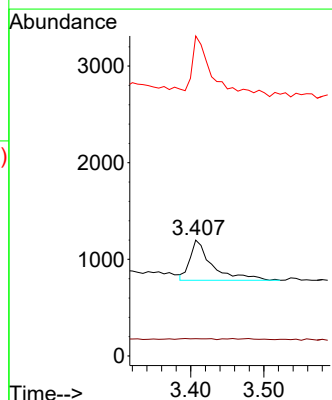
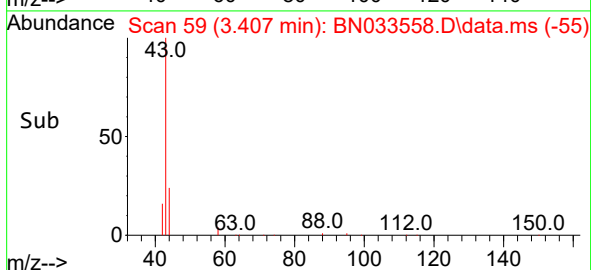
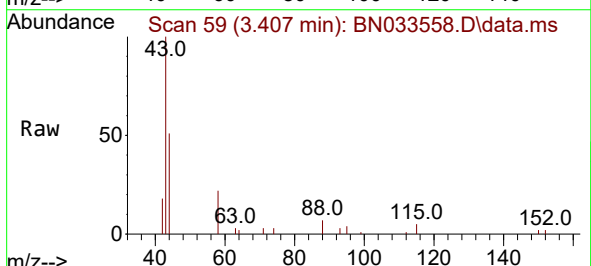


Tgt Ion:152 Resp: 7795
Ion Ratio Lower Upper
152 100
150 155.6 122.2 183.2
115 63.2 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.084 ng
RT: 3.407 min Scan# 59
Delta R.T. -0.072 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Tgt Ion: 42 Resp: 876
Ion Ratio Lower Upper
42 100
74 2.6 100.2 150.2#
44 136.4 5.3 7.9#

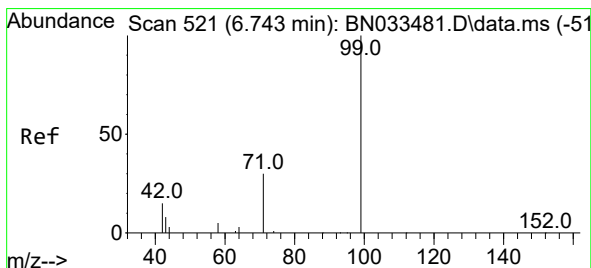
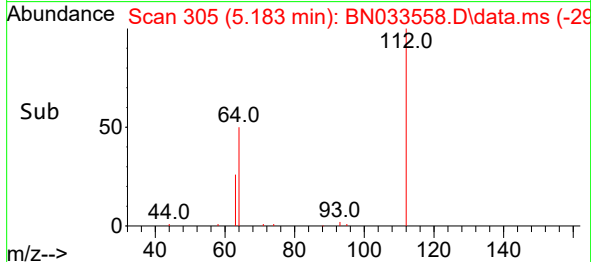
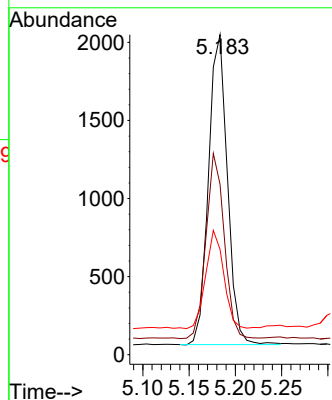
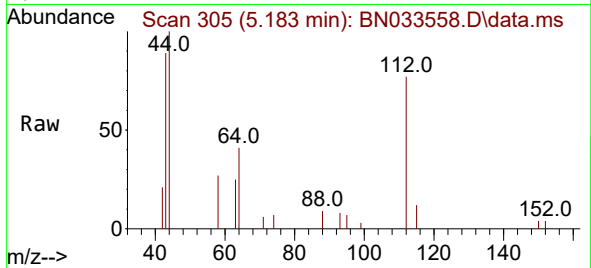




#4
2-Fluorophenol
Concen: 0.114 ng
RT: 5.183 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

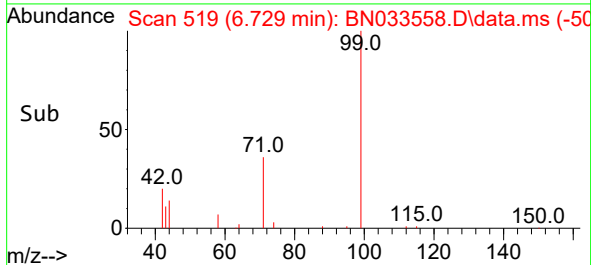
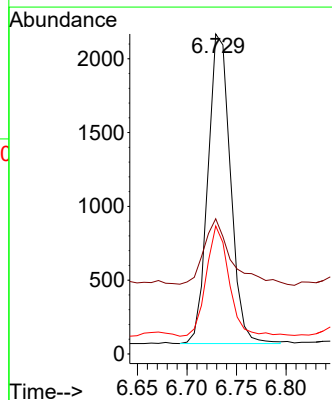
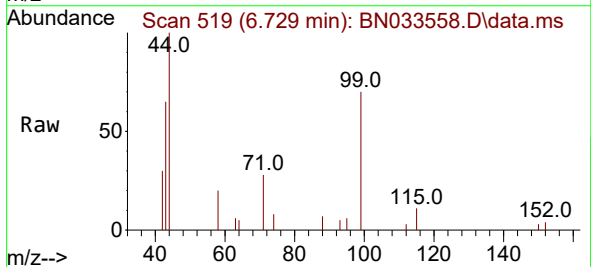
Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624

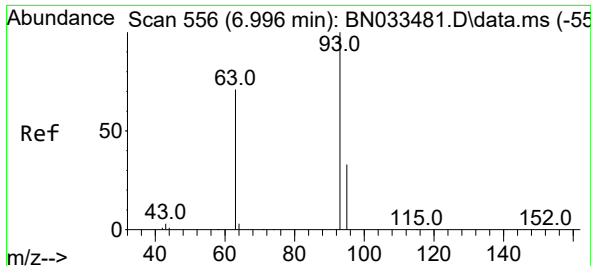
Tgt Ion:112 Resp: 2817
Ion Ratio Lower Upper
112 100
64 57.6 47.1 70.7
63 29.6 24.9 37.3



#5
Phenol-d6
Concen: 0.113 ng
RT: 6.729 min Scan# 519
Delta R.T. -0.014 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Tgt Ion: 99 Resp: 3316
Ion Ratio Lower Upper
99 100
42 24.9 16.6 24.8#
71 36.4 26.2 39.4

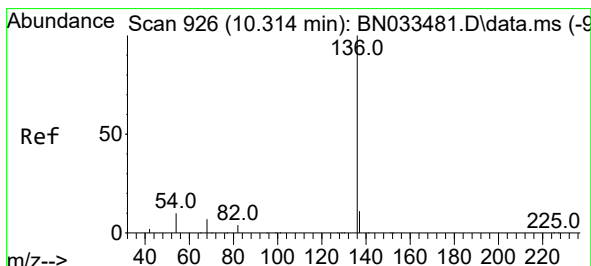
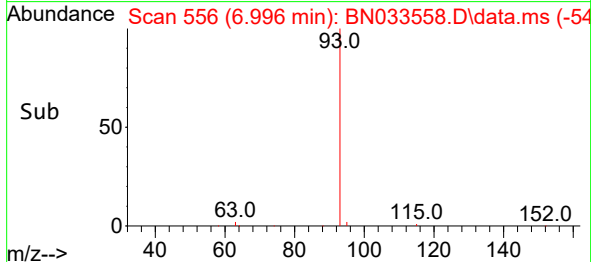
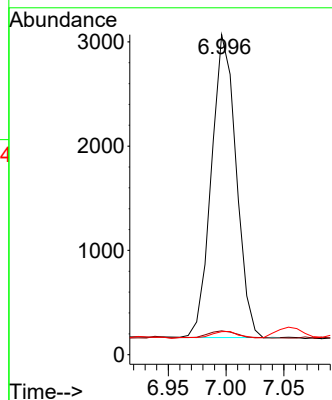
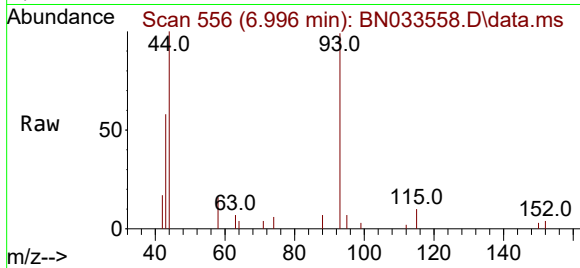




#6
bis(2-Chloroethyl)ether
Concen: 0.207 ng
RT: 6.996 min Scan# 511
Delta R.T. 0.000 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

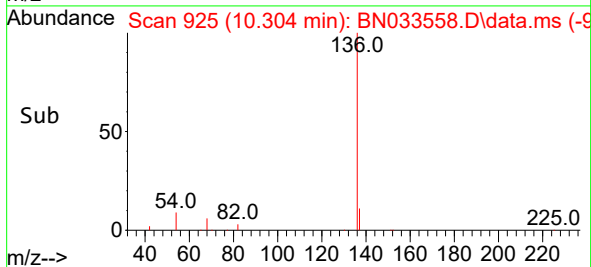
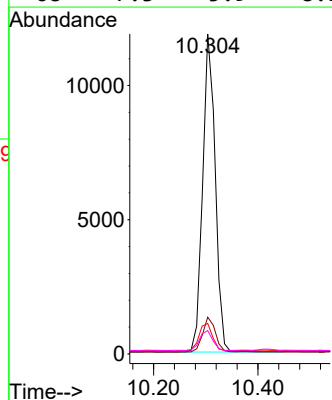
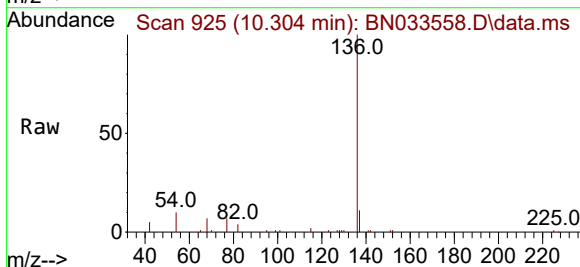
Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624

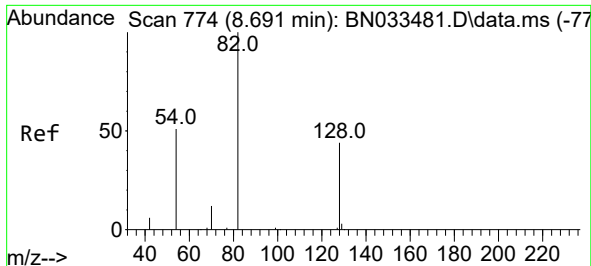
Tgt Ion: 93 Resp: 4320
Ion Ratio Lower Upper
93 100
63 2.8 63.0 94.4#
95 2.7 26.0 39.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.011 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Tgt Ion: 136 Resp: 19738
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.5 8.3 12.5
68 7.3 5.9 8.9

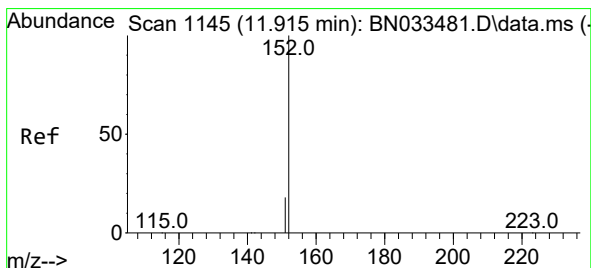
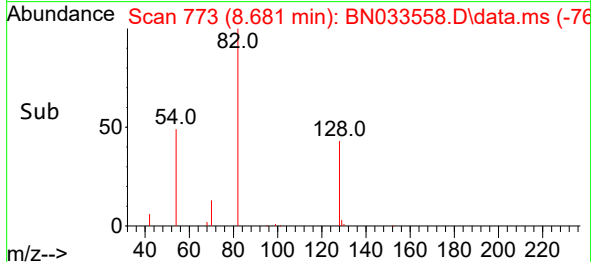
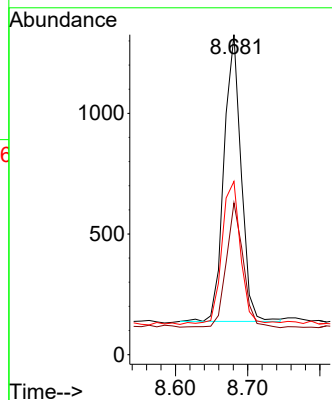
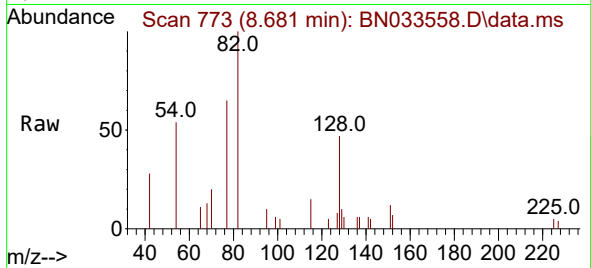




#8
Nitrobenzene-d5
Concen: 0.119 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

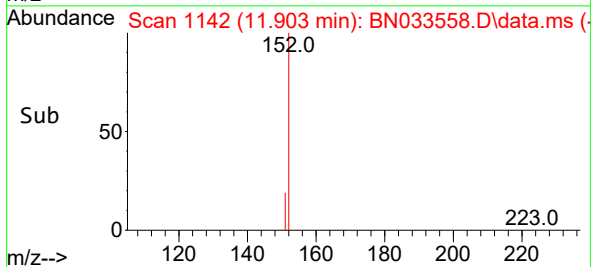
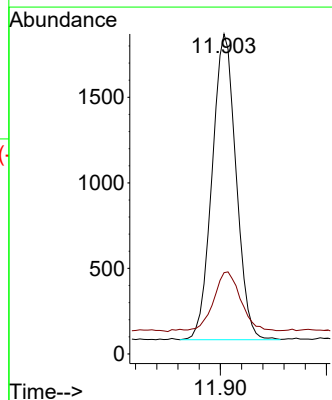
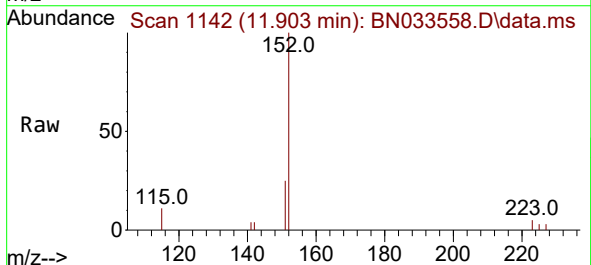
Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624

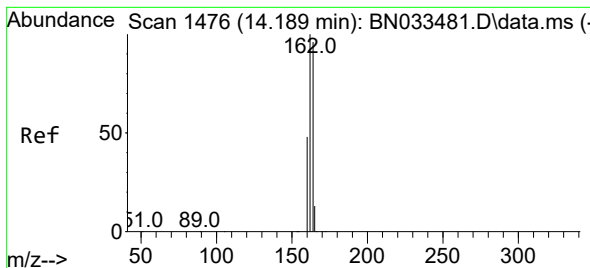
Tgt Ion: 82 Resp: 1951
Ion Ratio Lower Upper
82 100
128 47.4 36.0 54.0
54 54.1 42.0 63.0



#11
2-Methylnaphthalene-d10
Concen: 0.099 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.011 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Tgt Ion: 152 Resp: 2806
Ion Ratio Lower Upper
152 100
151 21.3 16.6 25.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.178 min Scan# 1476

Delta R.T. -0.011 min

Lab File: BN033558.D

Acq: 22 Aug 2024 18:19

Instrument :

BNA_N

ClientSampleId :

919-J-SD-0.5-1-081624

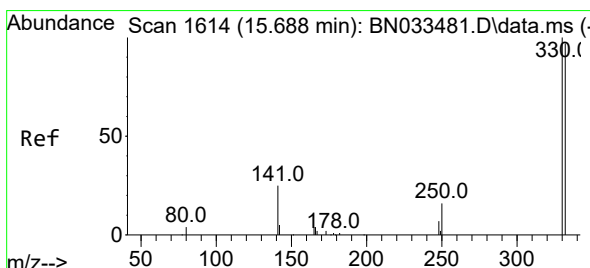
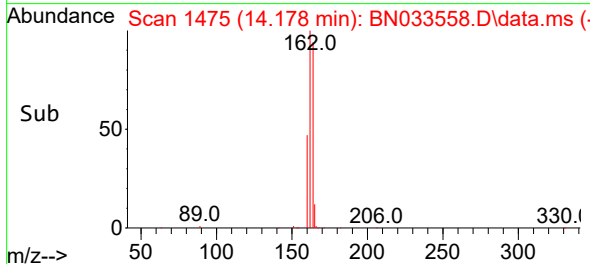
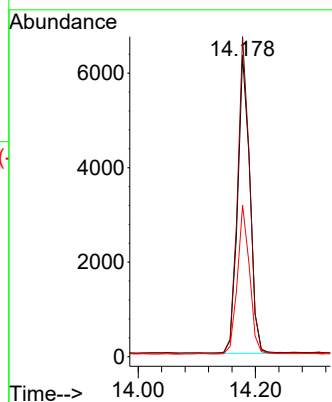
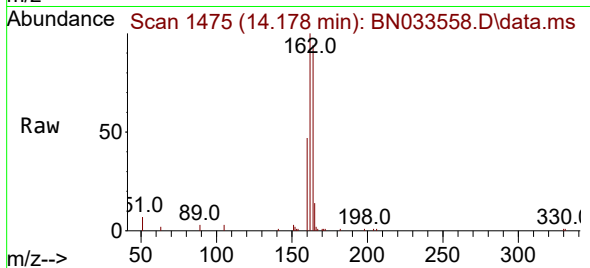
Tgt Ion:164 Resp: 9172

Ion Ratio Lower Upper

164 100

162 106.2 83.5 125.3

160 50.3 40.2 60.4



#14

2,4,6-Tribromophenol

Concen: 0.106 ng

RT: 15.676 min Scan# 1613

Delta R.T. -0.012 min

Lab File: BN033558.D

Acq: 22 Aug 2024 18:19

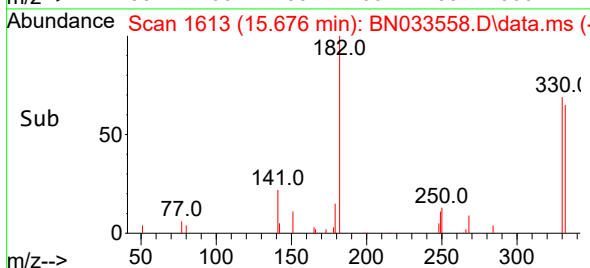
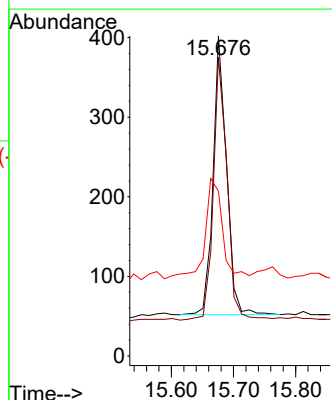
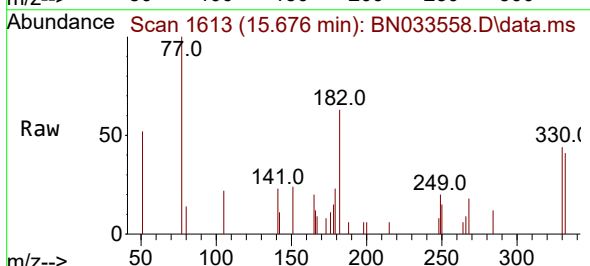
Tgt Ion:330 Resp: 524

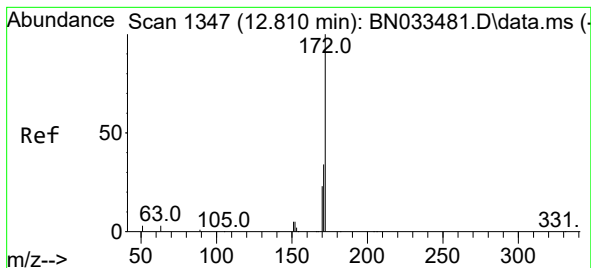
Ion Ratio Lower Upper

330 100

332 96.9 77.5 116.3

141 40.6 33.9 50.9





#15

2-Fluorobiphenyl

Concen: 0.094 ng

RT: 12.799 min Scan# 11

Delta R.T. -0.011 min

Lab File: BN033558.D

Acq: 22 Aug 2024 18:19

Instrument :

BNA_N

ClientSampleId :

919-J-SD-0.5-1-081624

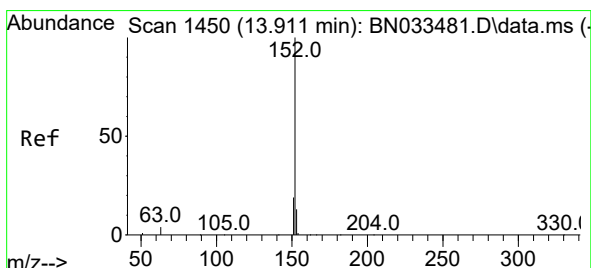
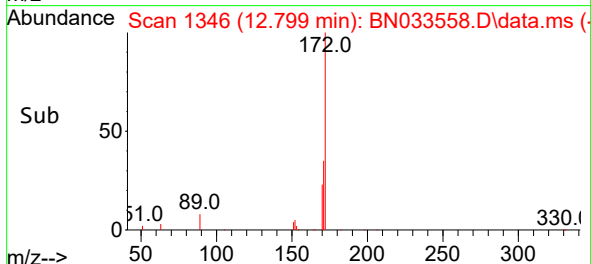
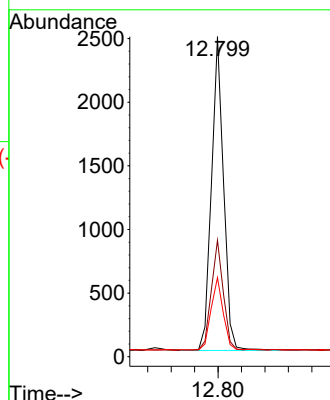
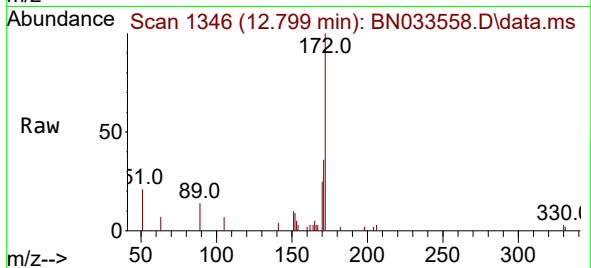
Tgt Ion:172 Resp: 3539

Ion Ratio Lower Upper

172 100

171 36.4 27.7 41.5

170 24.7 18.3 27.5



#16

Acenaphthylene

Concen: 0.035 ng

RT: 13.900 min Scan# 1449

Delta R.T. -0.011 min

Lab File: BN033558.D

Acq: 22 Aug 2024 18:19

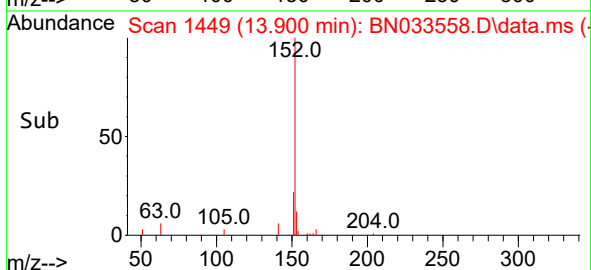
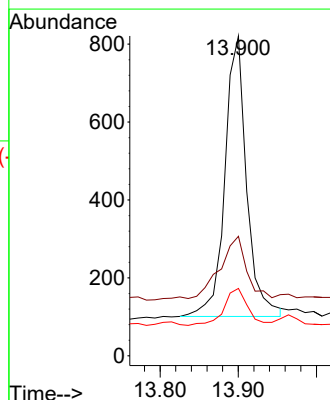
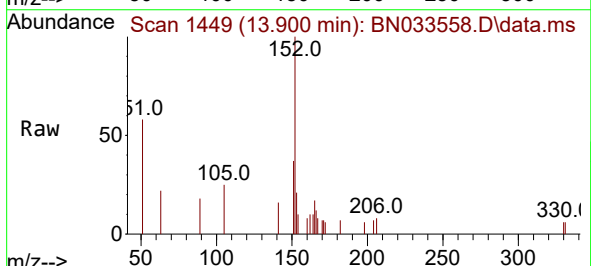
Tgt Ion:152 Resp: 1393

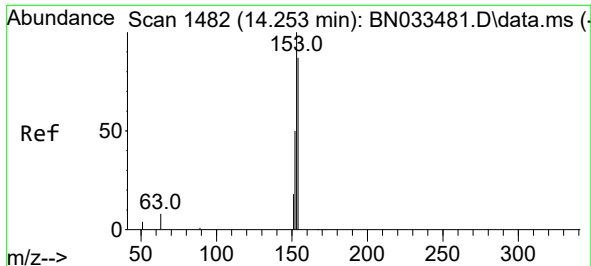
Ion Ratio Lower Upper

152 100

151 26.6 15.7 23.5#

153 14.2 10.3 15.5

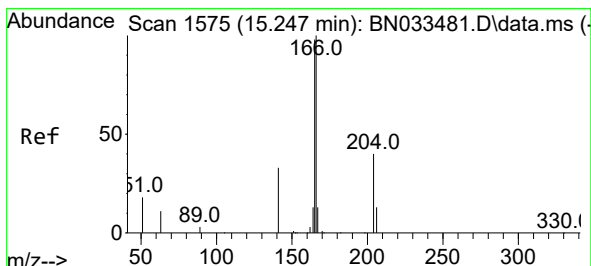
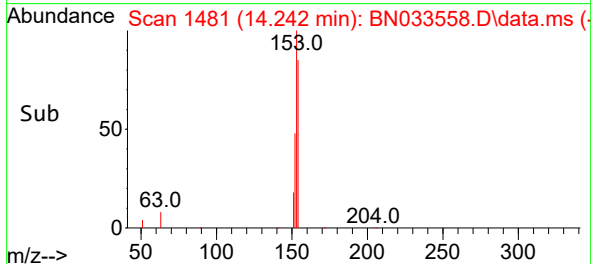
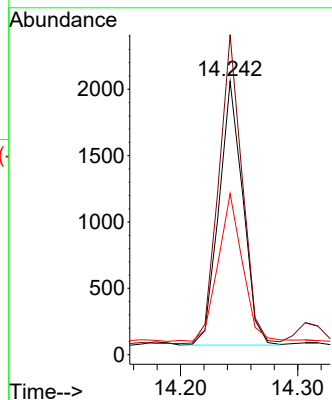
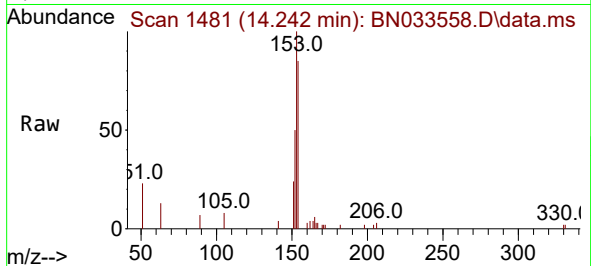




#17
Acenaphthene
Concen: 0.100 ng
RT: 14.242 min Scan# 1482
Delta R.T. -0.011 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

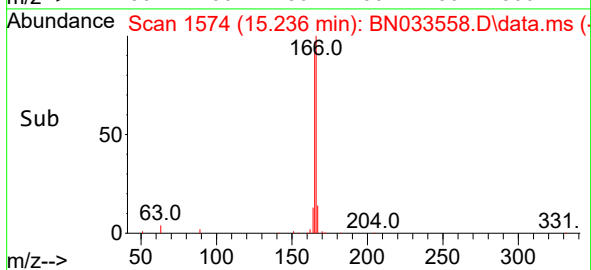
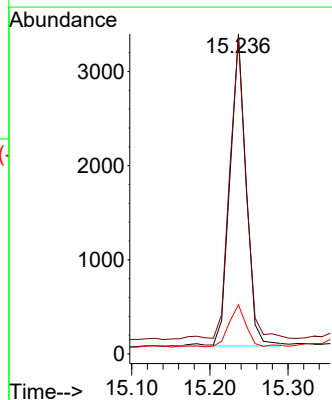
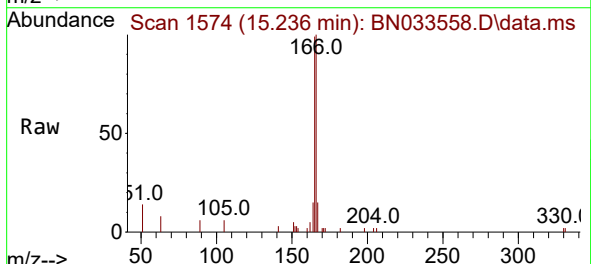
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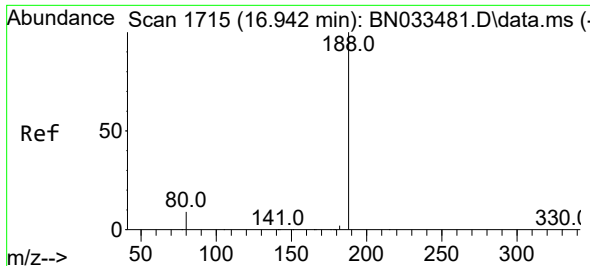
Tgt Ion:154 Resp: 2816
Ion Ratio Lower Upper
154 100
153 115.0 89.0 133.6
152 57.2 45.2 67.8



#18
Fluorene
Concen: 0.133 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Tgt Ion:166 Resp: 4754
Ion Ratio Lower Upper
166 100
165 97.3 78.2 117.4
167 14.6 10.6 16.0

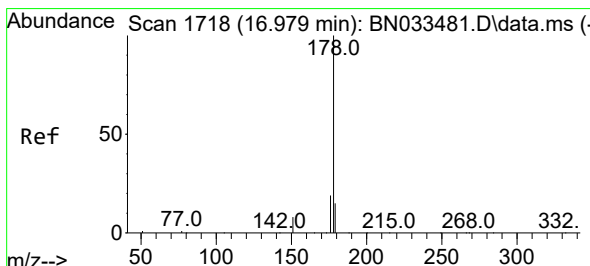
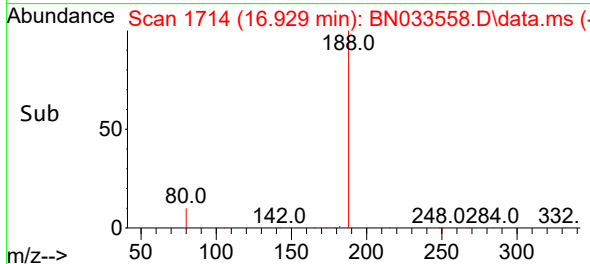
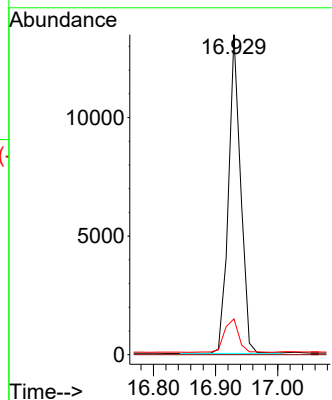
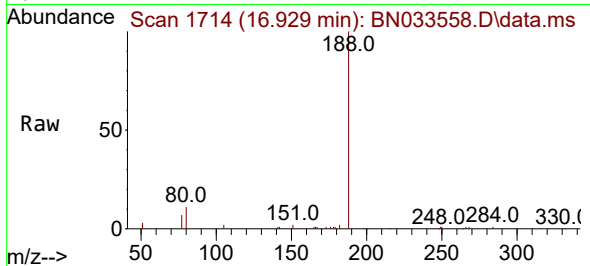




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

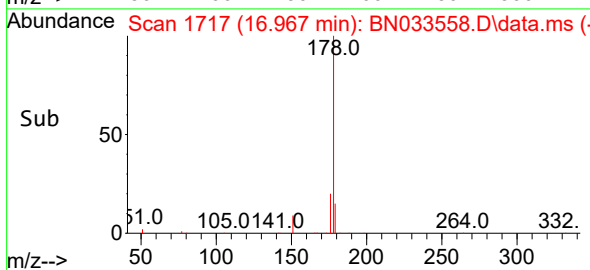
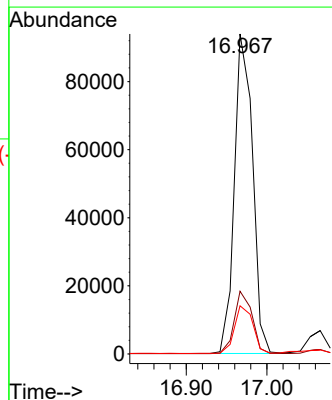
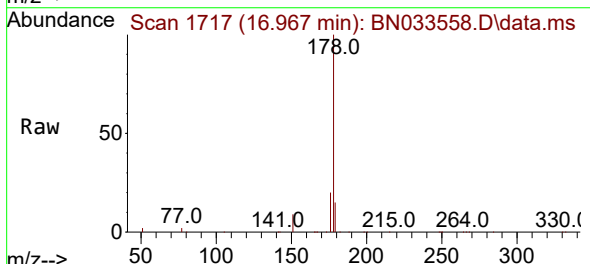
Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624

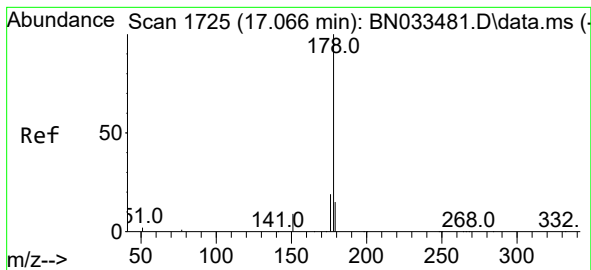
Tgt Ion:188 Resp: 18185
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.2 7.8 11.8



#25
Phenanthrene
Concen: 2.900 ng
RT: 16.967 min Scan# 1717
Delta R.T. -0.012 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Tgt Ion:178 Resp: 146697
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.1 12.3 18.5





#26

Anthracene

Concen: 0.222 ng

RT: 17.066 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN033558.D

Acq: 22 Aug 2024 18:19

Instrument :

BNA_N

ClientSampleId :

919-J-SD-0.5-1-081624

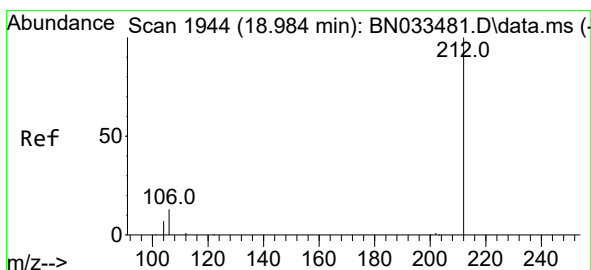
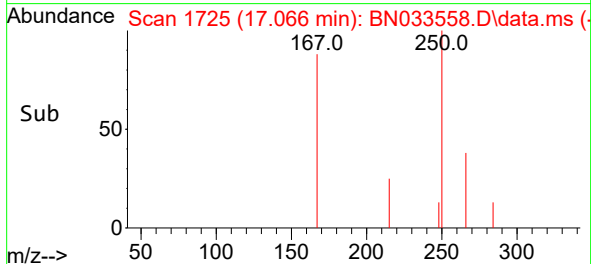
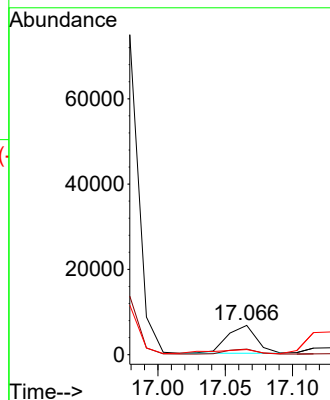
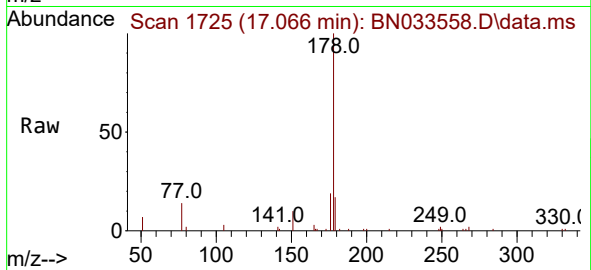
Tgt Ion:178 Resp: 9938

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

179 21.7 12.4 18.6#



#27

Fluoranthene-d10

Concen: 0.070 ng

RT: 18.975 min Scan# 1942

Delta R.T. -0.009 min

Lab File: BN033558.D

Acq: 22 Aug 2024 18:19

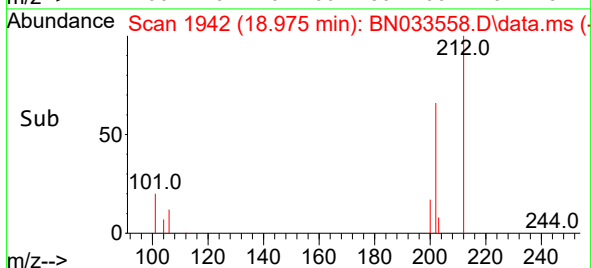
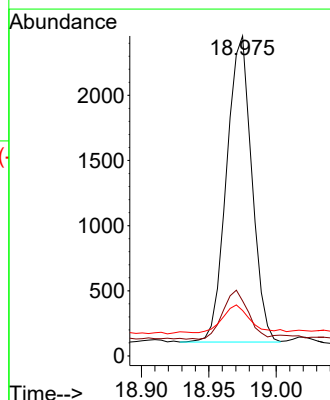
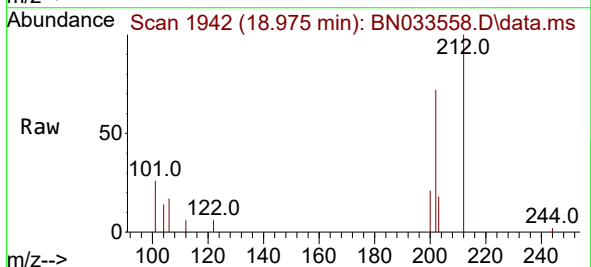
Tgt Ion:212 Resp: 3060

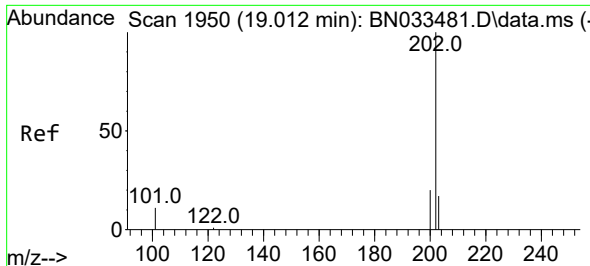
Ion Ratio Lower Upper

212 100

106 16.2 12.3 18.5

104 9.9 7.0 10.4

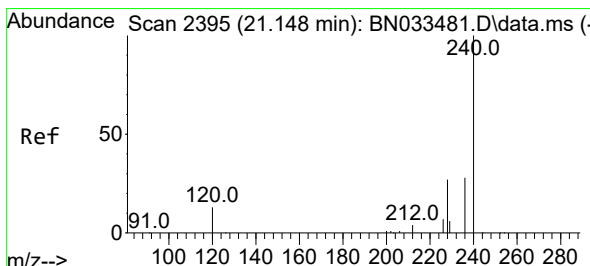
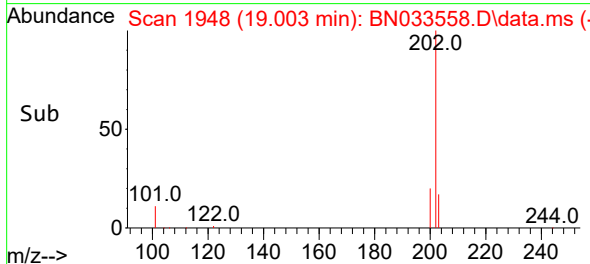
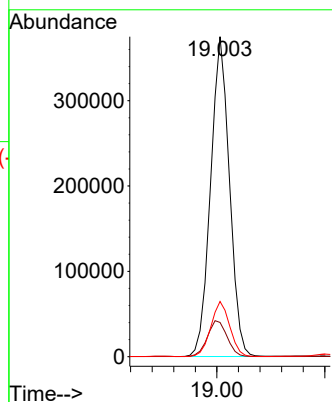
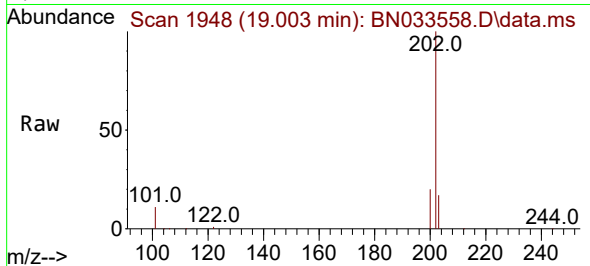




#28
Fluoranthene
Concen: 8.135 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

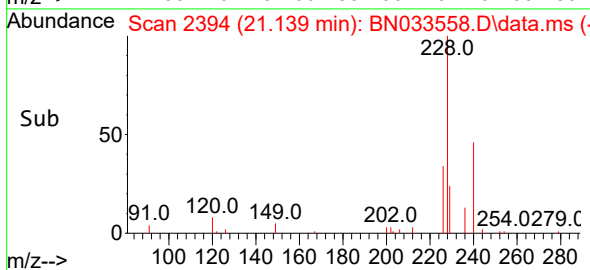
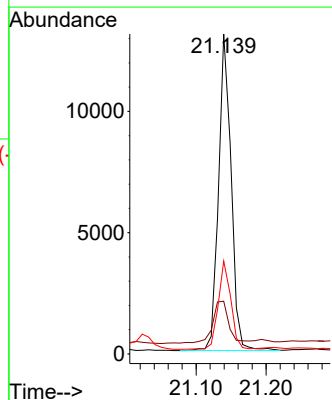
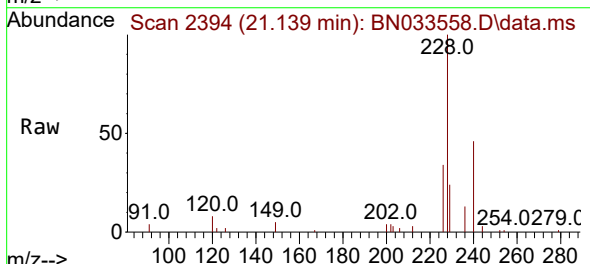
Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624

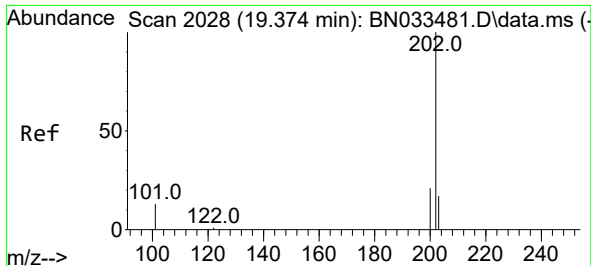
Tgt Ion:202 Resp: 454802
Ion Ratio Lower Upper
202 100
101 11.6 9.5 14.3
203 17.2 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Tgt Ion:240 Resp: 16263
Ion Ratio Lower Upper
240 100
120 16.5 12.4 18.6
236 29.0 23.0 34.6

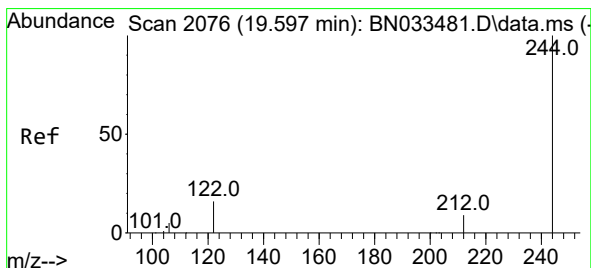
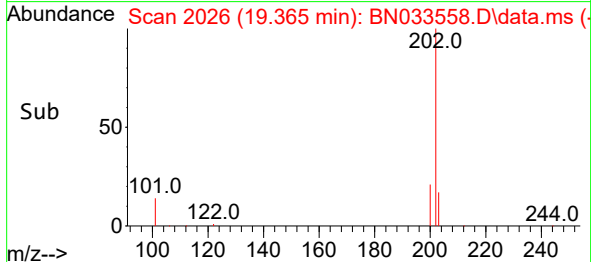
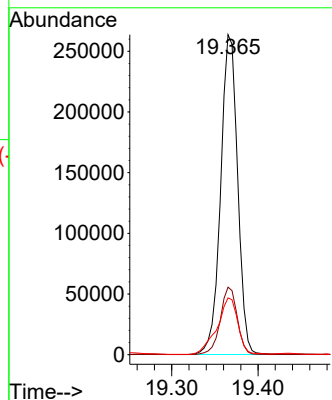
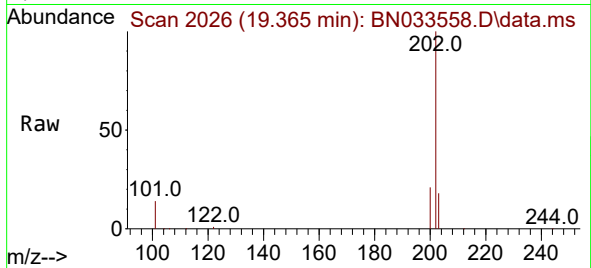




#30
 Pyrene
 Concen: 4.971 ng
 RT: 19.365 min Scan# 2028
 Delta R.T. -0.009 min
 Lab File: BN033558.D
 Acq: 22 Aug 2024 18:19

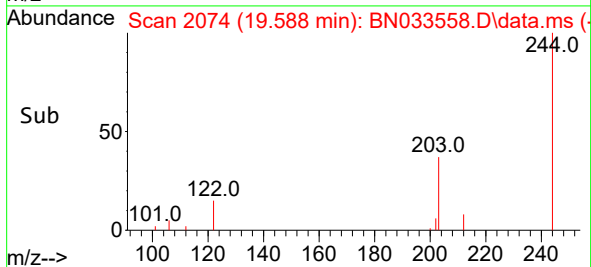
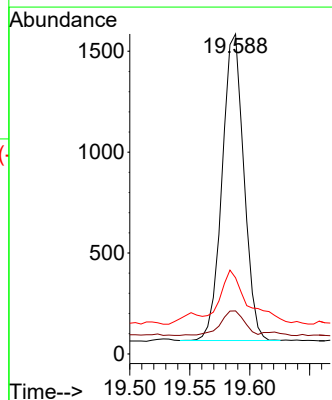
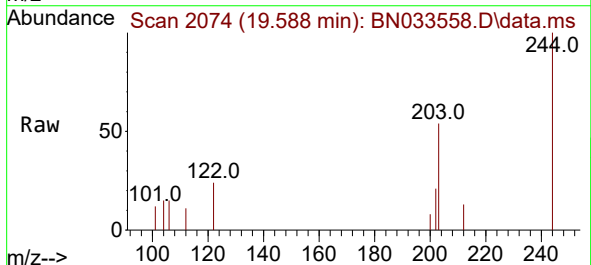
Instrument :
 BNA_N
 ClientSampleId :
 919-J-SD-0.5-1-081624

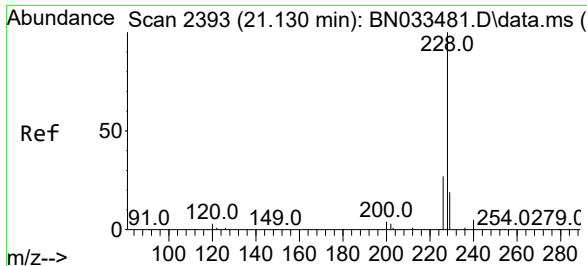
Tgt Ion:202 Resp: 360843
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 24.8
 203 21.7 14.2 21.4#



#31
 Terphenyl-d14
 Concen: 0.052 ng
 RT: 19.588 min Scan# 2074
 Delta R.T. -0.009 min
 Lab File: BN033558.D
 Acq: 22 Aug 2024 18:19

Tgt Ion:244 Resp: 1915
 Ion Ratio Lower Upper
 244 100
 212 13.4 7.8 11.6#
 122 23.8 13.3 19.9#

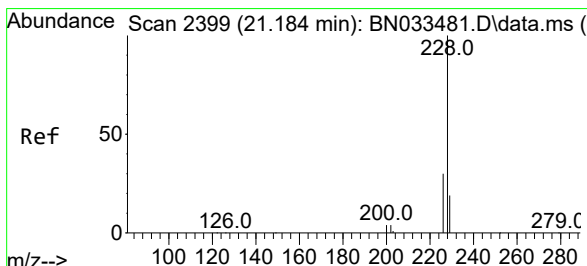
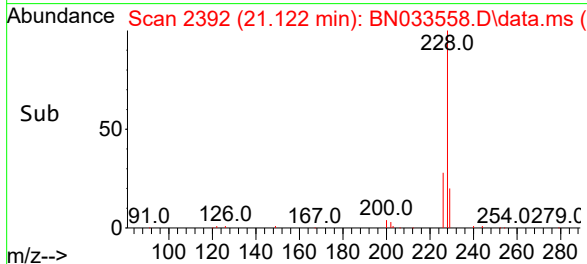
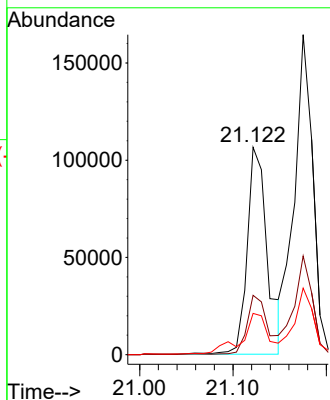
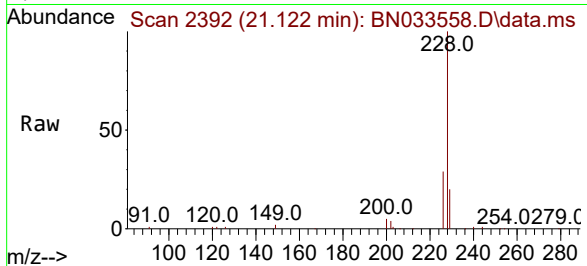




#32
Benzo(a)anthracene
Concen: 2.722 ng
RT: 21.122 min Scan# 2112
Delta R.T. -0.009 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

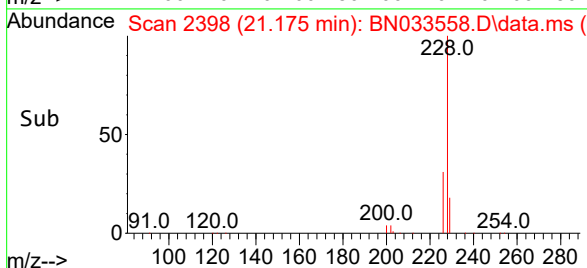
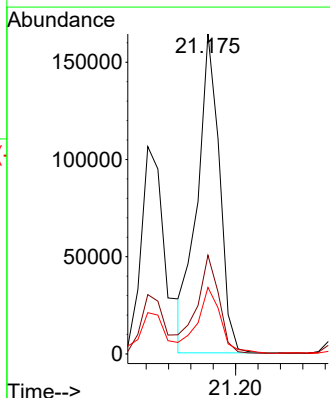
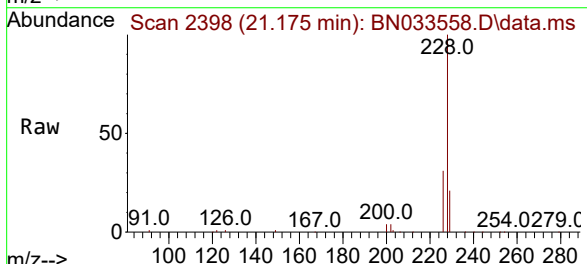
Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624

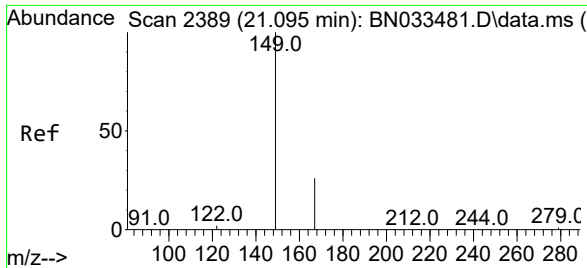
Tgt Ion:228 Resp: 160074
Ion Ratio Lower Upper
228 100
226 28.6 21.8 32.6
229 19.9 15.8 23.6



#33
Chrysene
Concen: 3.864 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.009 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Tgt Ion:228 Resp: 225834
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.8
229 20.8 15.6 23.4

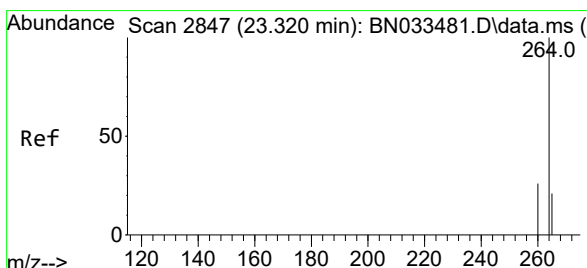
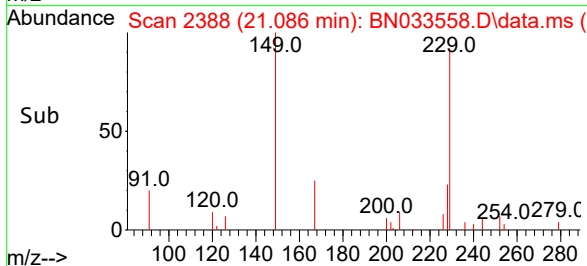
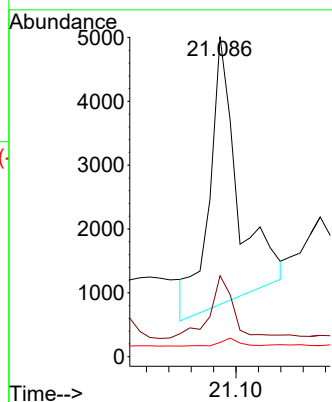
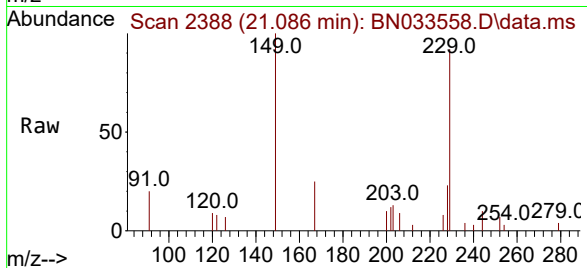




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.199 ng
RT: 21.086 min Scan# 2109
Delta R.T. -0.009 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

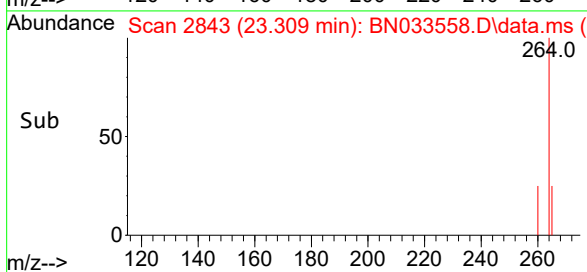
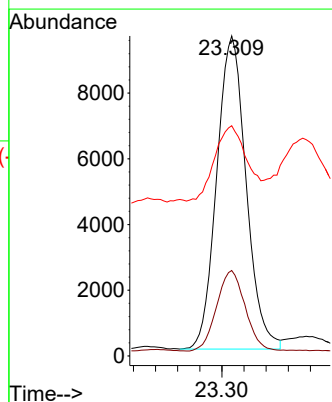
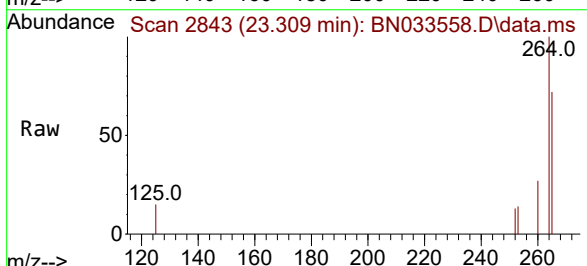
Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624

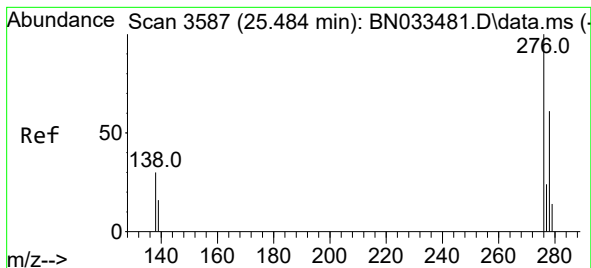
Tgt Ion:149	Resp:	7409
Ion Ratio	Lower	Upper
149	100	
167	28.7	21.5 32.3
279	2.7	2.2 3.2



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.309 min Scan# 2843
Delta R.T. -0.012 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Tgt Ion:264	Resp:	17555
Ion Ratio	Lower	Upper
264	100	
260	26.7	20.8 31.2
265	72.0	52.2 78.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 2.247 ng

RT: 25.458 min Scan# 31

Delta R.T. -0.026 min

Lab File: BN033558.D

Acq: 22 Aug 2024 18:19

Instrument :

BNA_N

ClientSampleId :

919-J-SD-0.5-1-081624

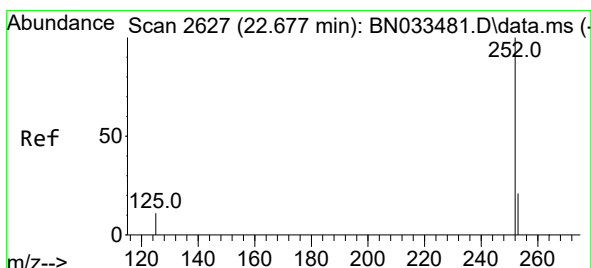
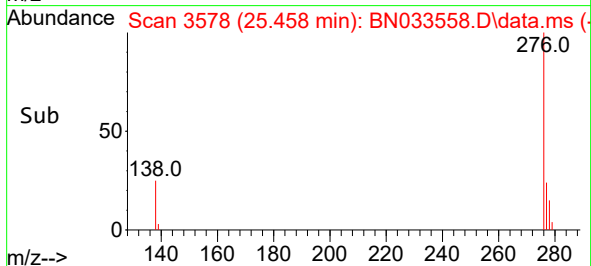
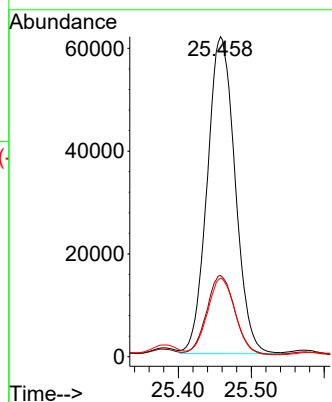
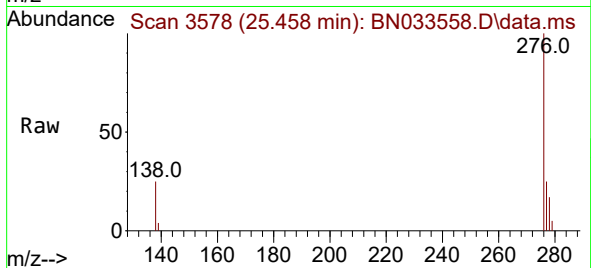
Tgt Ion:276 Resp: 163744

Ion Ratio Lower Upper

276 100

138 25.0 24.4 36.6

277 24.1 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 5.051 ng

RT: 22.669 min Scan# 2624

Delta R.T. -0.009 min

Lab File: BN033558.D

Acq: 22 Aug 2024 18:19

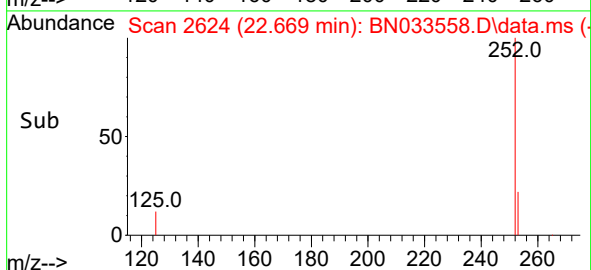
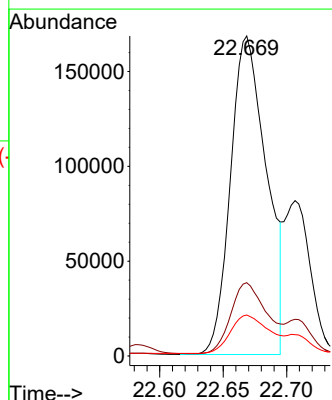
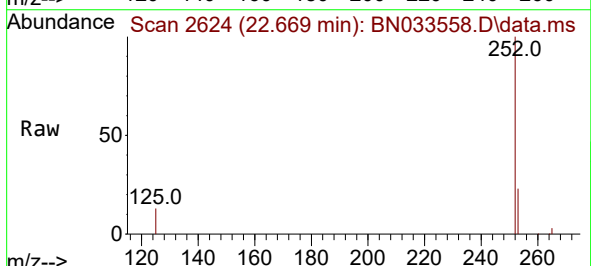
Tgt Ion:252 Resp: 331102

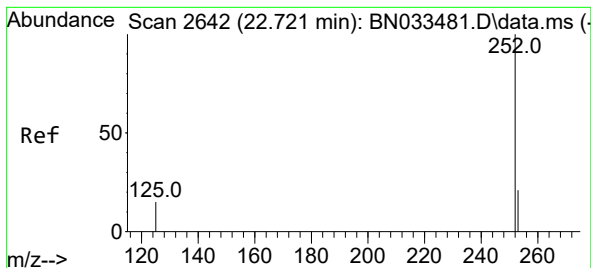
Ion Ratio Lower Upper

252 100

253 22.9 19.8 29.8

125 12.8 13.9 20.9#





#38

Benzo(k)fluoranthene

Concen: 5.131 ng

RT: 22.669 min Scan# 2

Delta R.T. -0.053 min

Lab File: BN033558.D

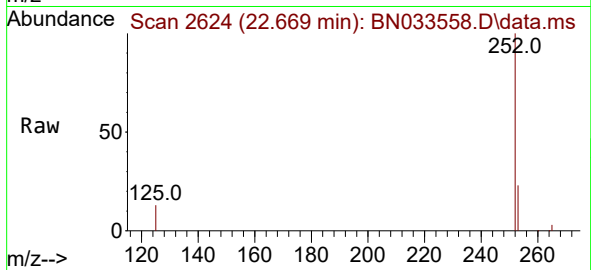
Acq: 22 Aug 2024 18:19

Instrument :

BNA_N

ClientSampleId :

919-J-SD-0.5-1-081624



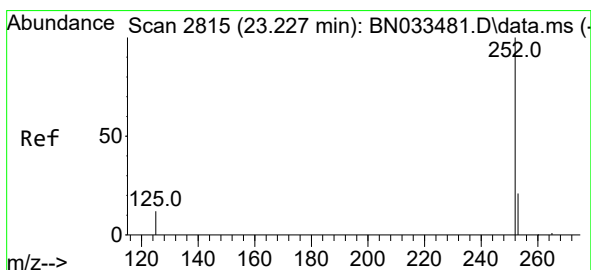
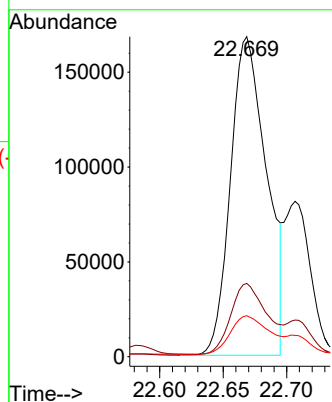
Tgt Ion:252 Resp: 331102

Ion Ratio Lower Upper

252 100

253 22.9 19.8 29.8

125 12.8 15.8 23.8#



#39

Benzo(a)pyrene

Concen: 3.079 ng

RT: 23.125 min Scan# 2780

Delta R.T. -0.102 min

Lab File: BN033558.D

Acq: 22 Aug 2024 18:19

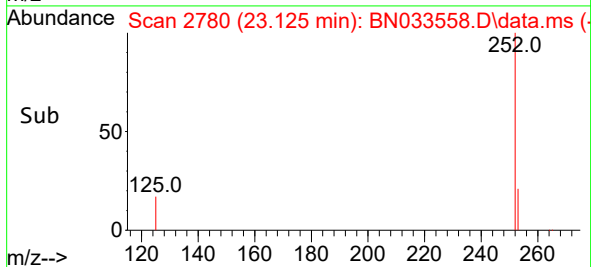
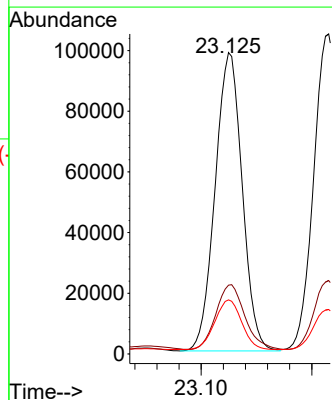
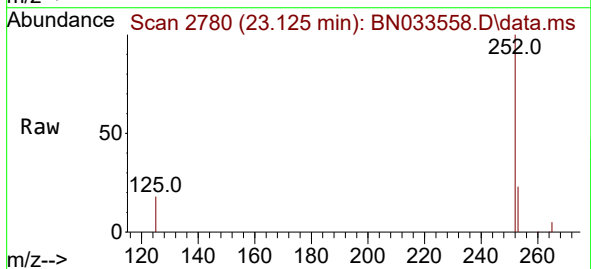
Tgt Ion:252 Resp: 166996

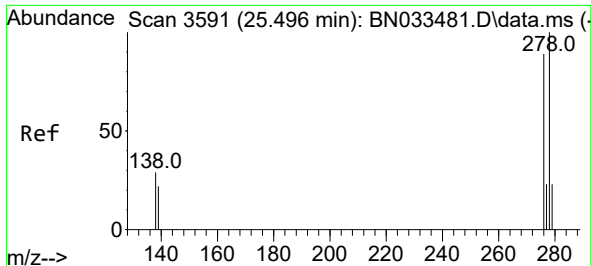
Ion Ratio Lower Upper

252 100

253 22.8 21.5 32.3

125 18.0 17.0 25.4

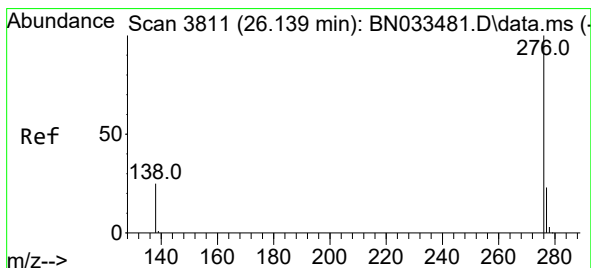
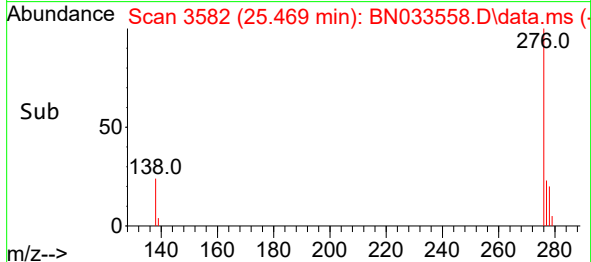
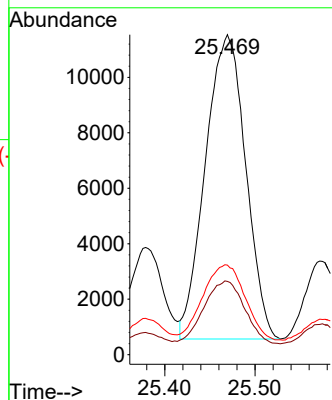
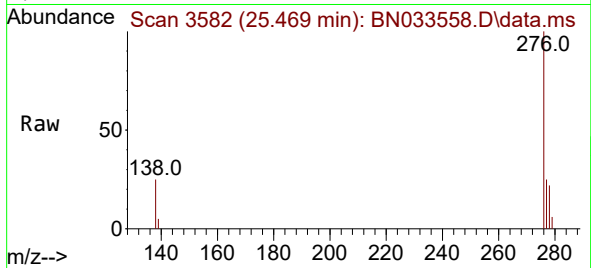




#40
Dibenzo(a,h)anthracene
Concen: 0.585 ng
RT: 25.469 min Scan# 31
Delta R.T. -0.026 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Instrument :
BNA_N
ClientSampleId :
919-J-SD-0.5-1-081624

Tgt Ion:278 Resp: 34074
Ion Ratio Lower Upper
278 100
139 22.9 19.1 28.7
279 28.0 21.0 31.4



#41
Benzo(g,h,i)perylene
Concen: 2.649 ng
RT: 26.113 min Scan# 3802
Delta R.T. -0.026 min
Lab File: BN033558.D
Acq: 22 Aug 2024 18:19

Tgt Ion:276 Resp: 165082
Ion Ratio Lower Upper
276 100
277 24.0 19.7 29.5
138 26.4 21.8 32.6

