

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033573.D
 Acq On : 23 Aug 2024 04:06
 Operator : MA/JU
 Sample : P3671-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-912-J-SO-0-0.5-081924

Quant Time: Aug 23 04:30:39 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)

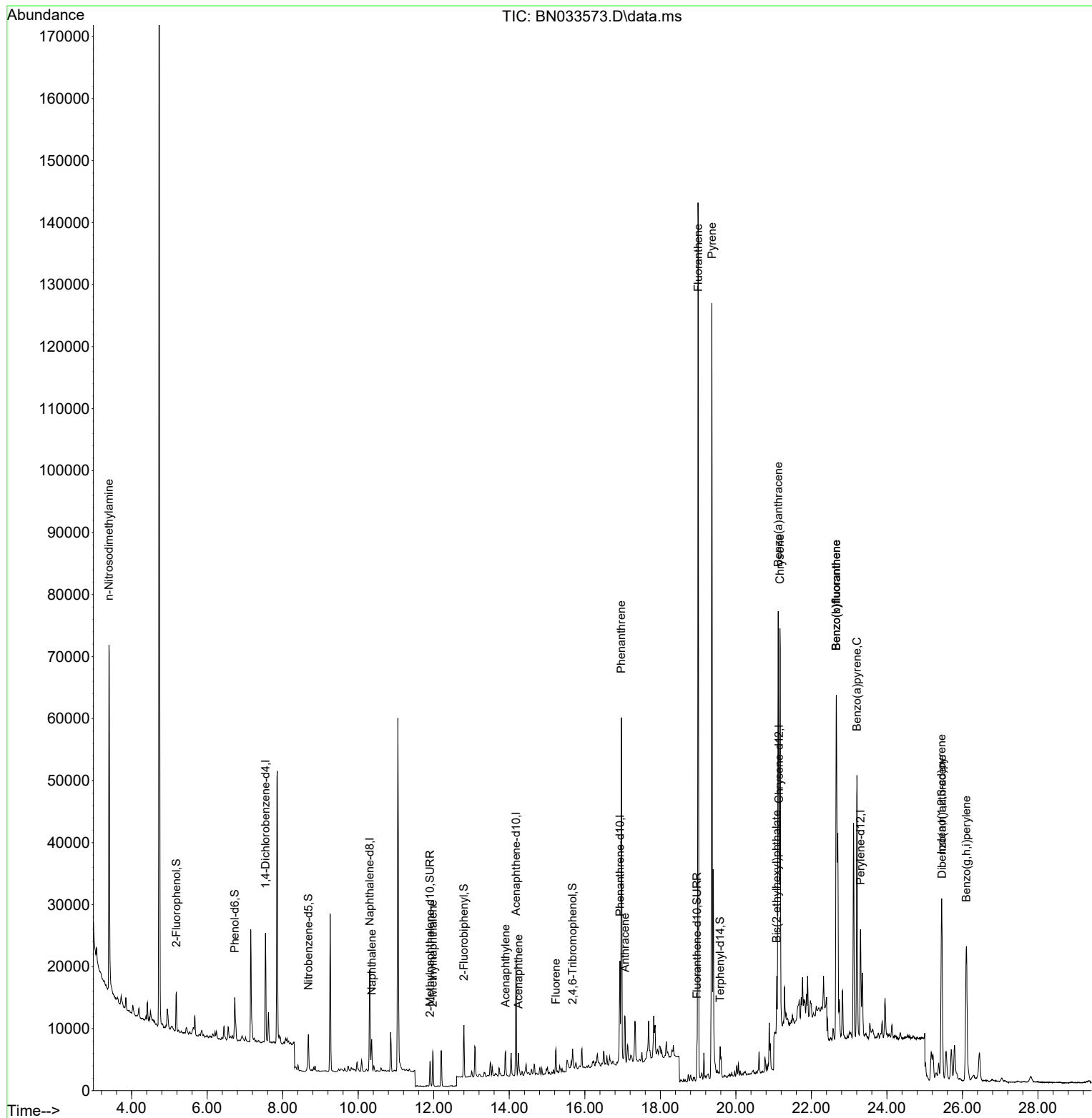
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	7667	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	19731	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	9704	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20199	0.400	ng	0.00
29) Chrysene-d12	21.139	240	18846	0.400	ng	# 0.00
35) Perylene-d12	23.300	264	20277	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4771	0.196	ng	0.00
5) Phenol-d6	6.729	99	5767	0.199	ng	0.00
8) Nitrobenzene-d5	8.681	82	4486	0.274	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	5372	0.190	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	1014	0.194	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	6808	0.172	ng	0.00
27) Fluoranthene-d10	18.970	212	6323	0.130	ng	0.00
31) Terphenyl-d14	19.584	244	4160	0.097	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.400	42	8601	0.838	ng	# 1
9) Naphthalene	10.357	128	6366	0.121	ng	96
12) 2-Methylnaphthalene	11.975	142	3903	0.117	ng	98
16) Acenaphthylene	13.900	152	4439	0.104	ng	98
17) Acenaphthene	14.242	154	1614	0.054	ng	# 90
18) Fluorene	15.236	166	2372	0.063	ng	# 99
25) Phenanthrene	16.967	178	54015	0.961	ng	99
26) Anthracene	17.066	178	8690	0.175	ng	# 95
28) Fluoranthene	18.998	202	125276	2.017	ng	100
30) Pyrene	19.365	202	110725	1.316	ng	# 95
32) Benzo(a)anthracene	21.122	228	52556	0.771	ng	96
33) Chrysene	21.166	228	64197	0.948	ng	97
34) Bis(2-ethylhexyl)phtha...	21.077	149	16381	0.380	ng	96
36) Indeno(1,2,3-cd)pyrene	25.446	276	41741	0.496	ng	95
37) Benzo(b)fluoranthene	22.660	252	89415	1.181	ng	98
38) Benzo(k)fluoranthene	22.660	252	89415	1.200	ng	# 96
39) Benzo(a)pyrene	23.206	252	55369	0.884	ng	94
40) Dibenzo(a,h)anthracene	25.458	278	9895	0.147	ng	# 83
41) Benzo(g,h,i)perylene	26.104	276	41549	0.577	ng	99

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

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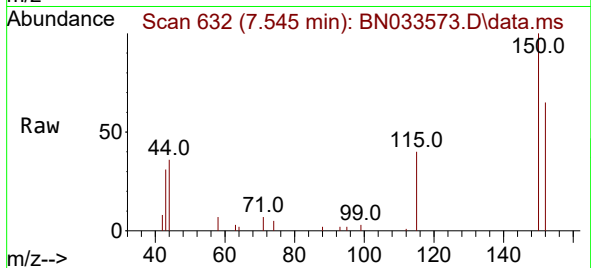
Quant Time: Aug 23 04:30:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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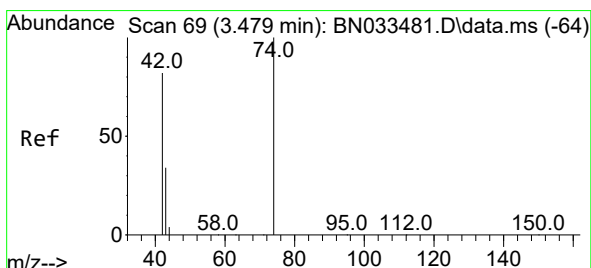
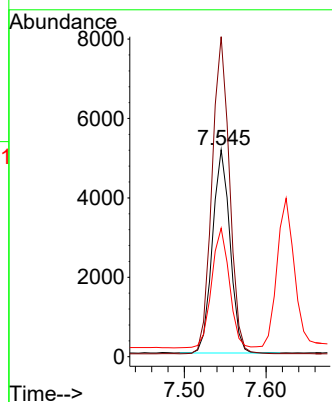
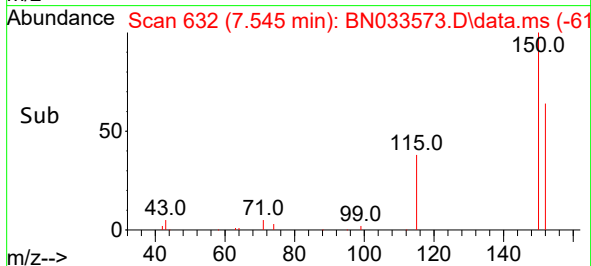


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

Instrument :
BNA_N
ClientSampleId :
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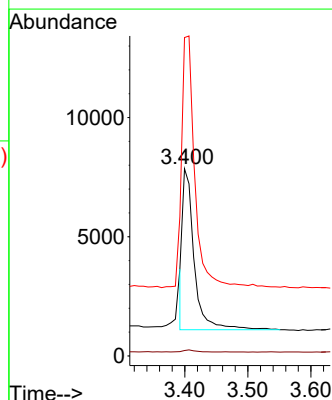
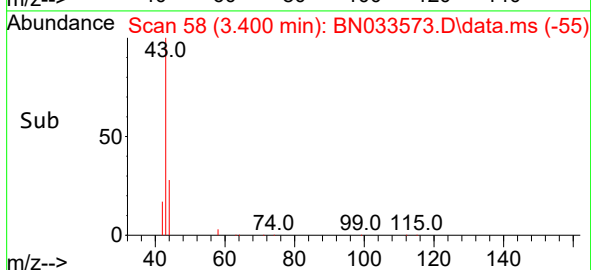
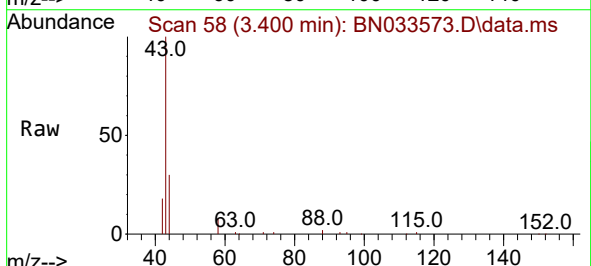


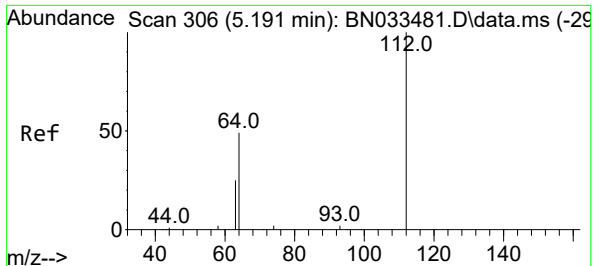
Tgt Ion:152 Resp: 7667
Ion Ratio Lower Upper
152 100
150 154.6 122.2 183.2
115 62.1 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.838 ng
RT: 3.400 min Scan# 58
Delta R.T. -0.079 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

Tgt Ion: 42 Resp: 8601
Ion Ratio Lower Upper
42 100
74 1.3 100.2 150.2#
44 161.8 5.3 7.9#

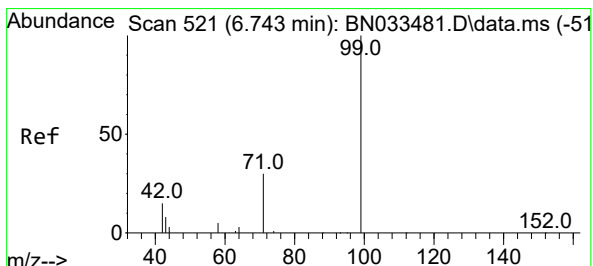
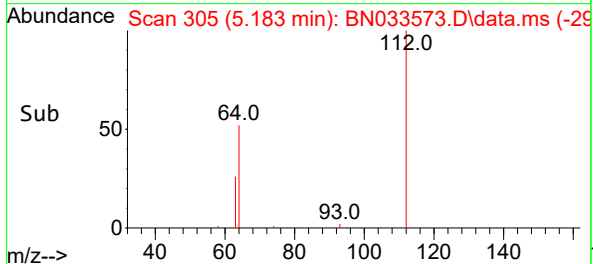
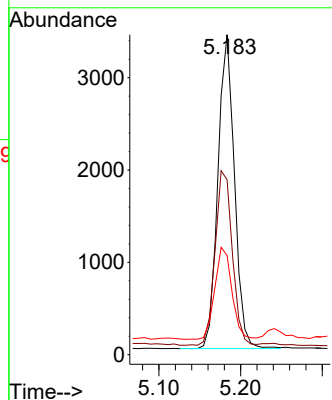
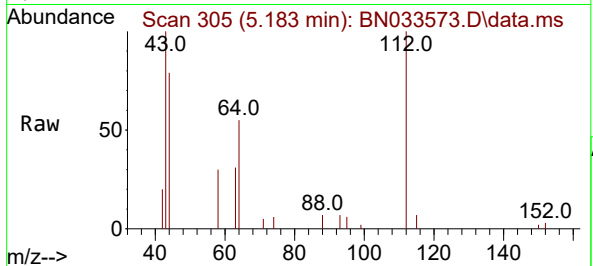




#4
2-Fluorophenol
Concen: 0.196 ng
RT: 5.183 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

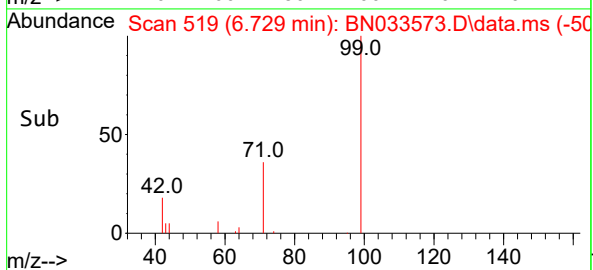
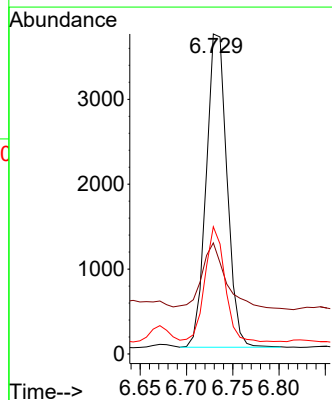
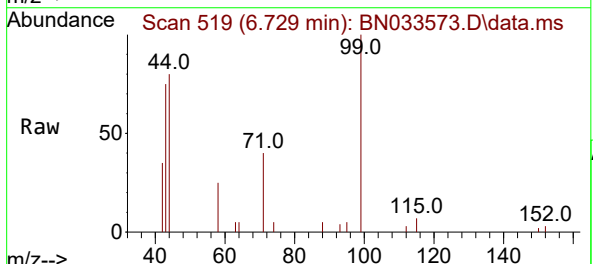
Instrument :
BNA_N
ClientSampleId :
S-912-J-SO-0-0.5-081924

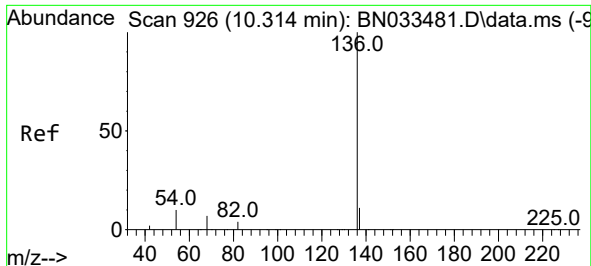
Tgt Ion:112 Resp: 4771
Ion Ratio Lower Upper
112 100
64 57.8 47.1 70.7
63 30.3 24.9 37.3



#5
Phenol-d6
Concen: 0.199 ng
RT: 6.729 min Scan# 519
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

Tgt Ion: 99 Resp: 5767
Ion Ratio Lower Upper
99 100
42 23.7 16.6 24.8
71 35.2 26.2 39.4

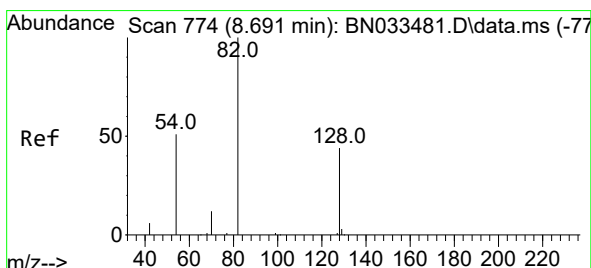
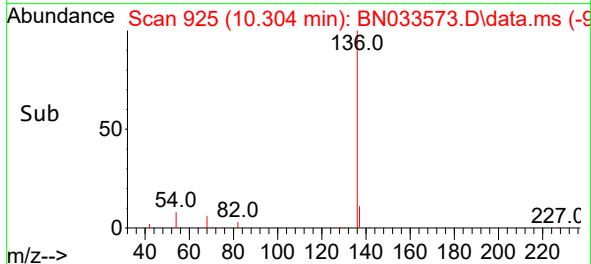
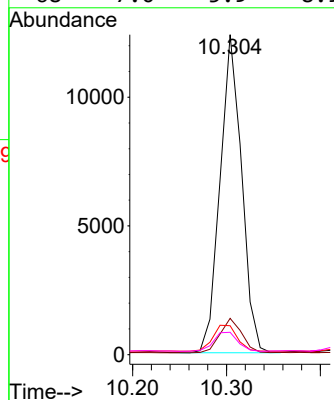
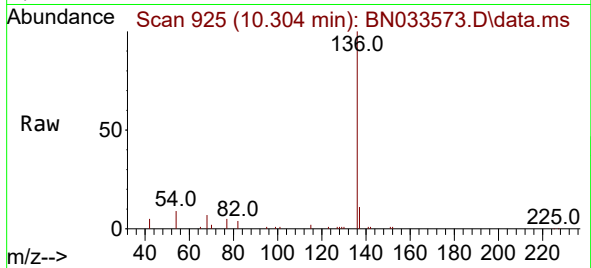




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

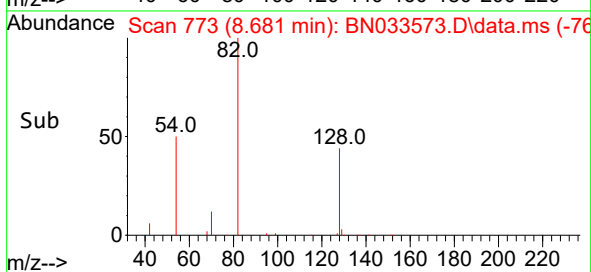
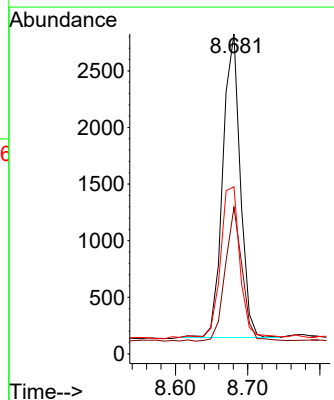
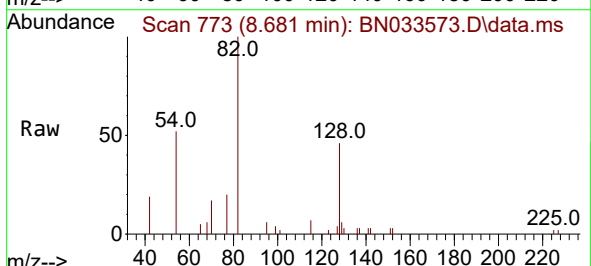
Instrument :
BNA_N
ClientSampleId :
S-912-J-SO-0-0.5-081924

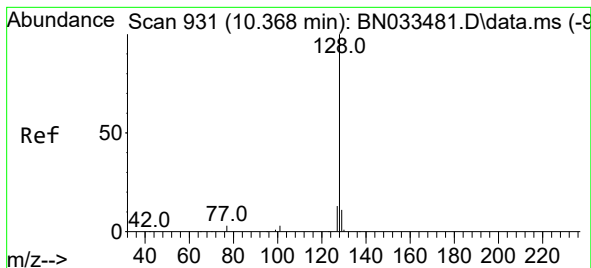
Tgt Ion:	136	Resp:	19731
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.6
54	9.1	8.3	12.5
68	7.0	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.274 ng
RT: 8.681 min Scan# 773
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

Tgt Ion:	82	Resp:	4486
Ion Ratio	Lower	Upper	
82	100		
128	45.8	36.0	54.0
54	52.3	42.0	63.0





#9

Naphthalene

Concen: 0.121 ng

RT: 10.357 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN033573.D

Acq: 23 Aug 2024 04:06

Instrument :

BNA_N

ClientSampleId :

S-912-J-SO-0-0.5-081924

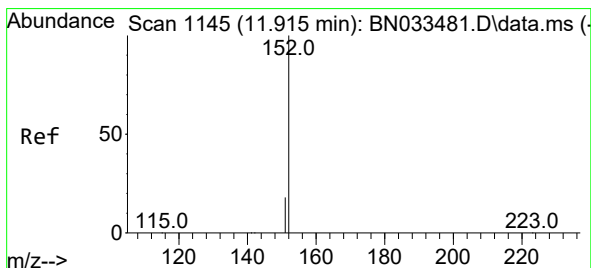
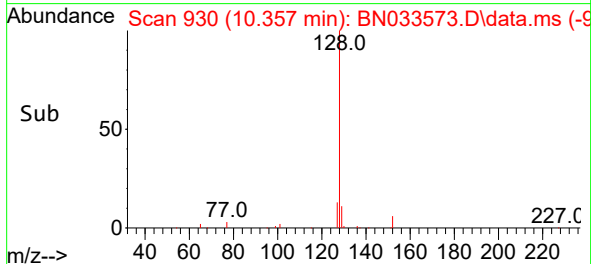
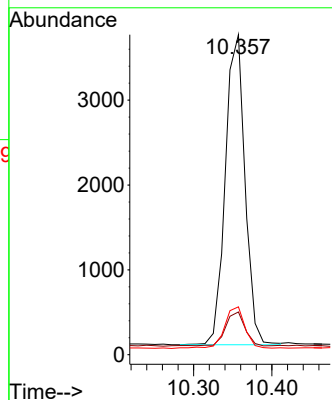
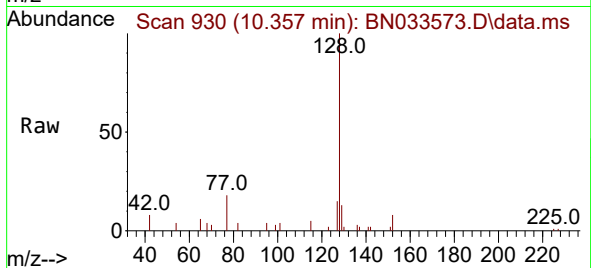
Tgt Ion:128 Resp: 6366

Ion Ratio Lower Upper

128 100

129 13.4 9.1 13.7

127 15.0 10.7 16.1



#11

2-Methylnaphthalene-d10

Concen: 0.190 ng

RT: 11.903 min Scan# 1142

Delta R.T. 0.000 min

Lab File: BN033573.D

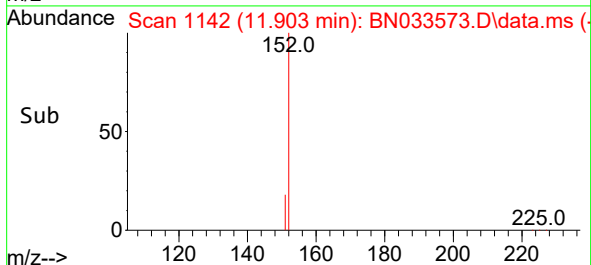
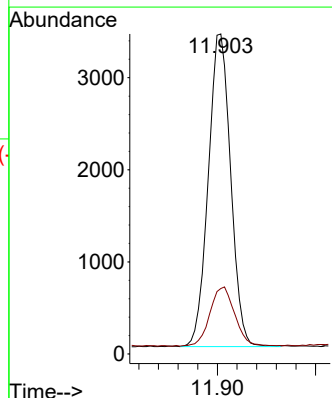
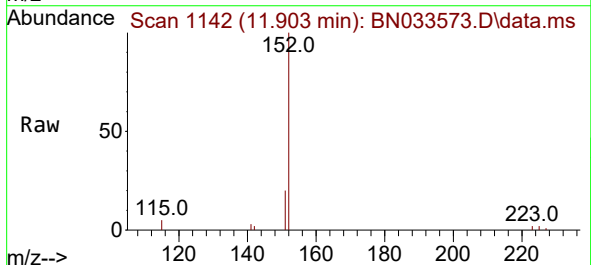
Acq: 23 Aug 2024 04:06

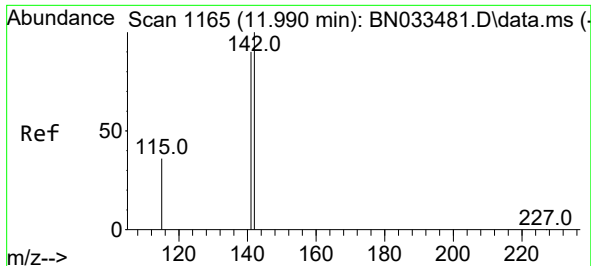
Tgt Ion:152 Resp: 5372

Ion Ratio Lower Upper

152 100

151 21.1 16.6 25.0

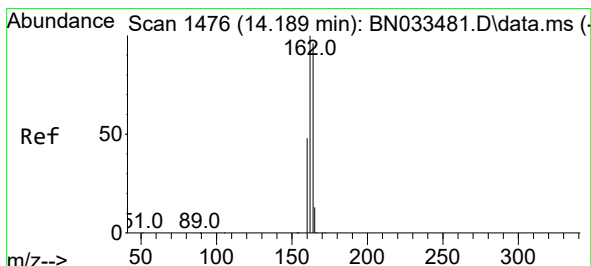
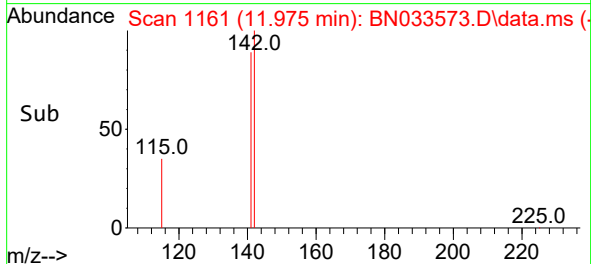
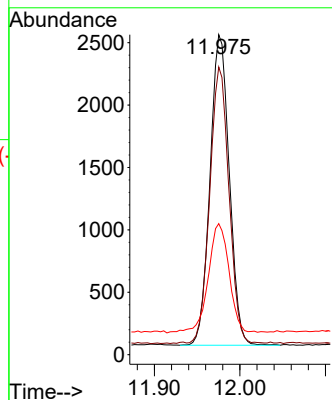
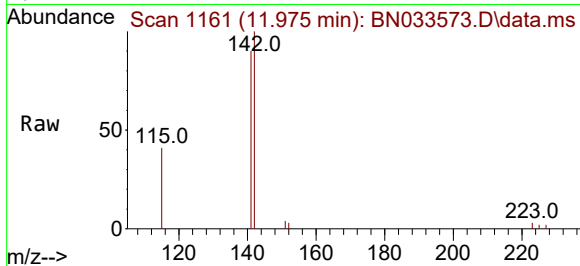




#12
2-Methylnaphthalene
Concen: 0.117 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

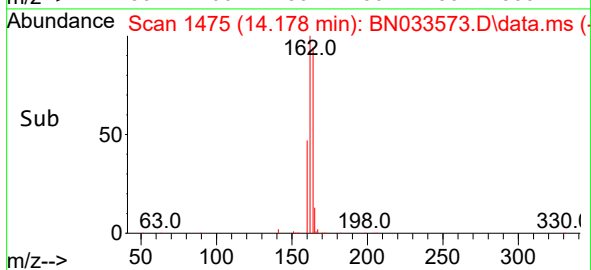
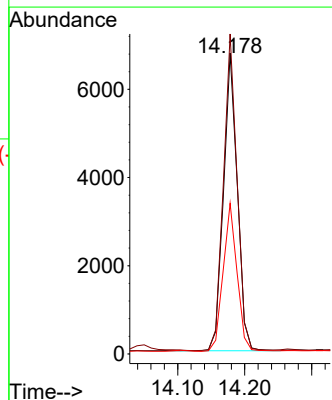
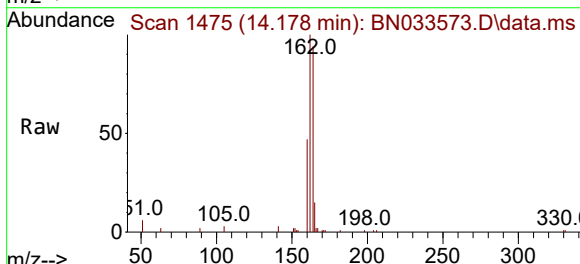
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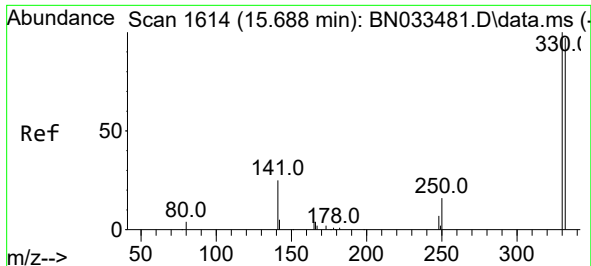
Tgt Ion:	142	Resp:	3903
Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.7	107.5
115	41.0	29.4	44.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

Tgt Ion:	164	Resp:	9704
Ion	Ratio	Lower	Upper
164	100		
162	106.3	83.5	125.3
160	50.1	40.2	60.4

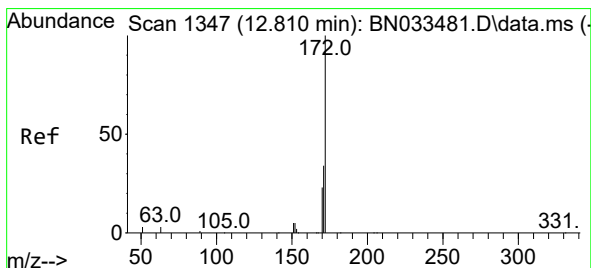
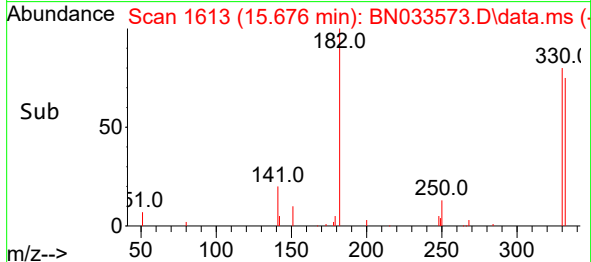
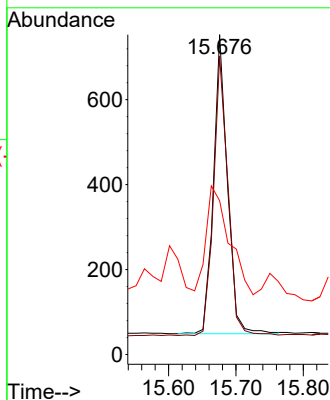
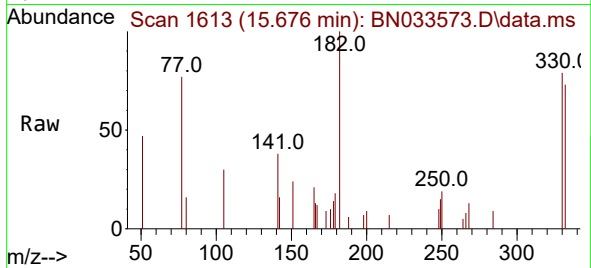




#14
2,4,6-Tribromophenol
Concen: 0.194 ng
RT: 15.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

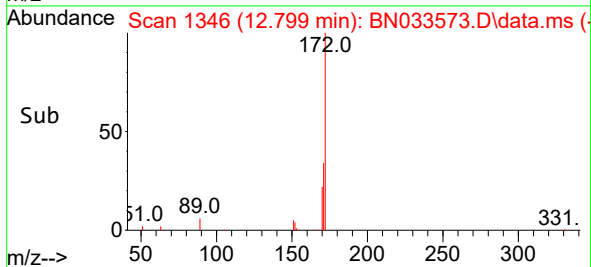
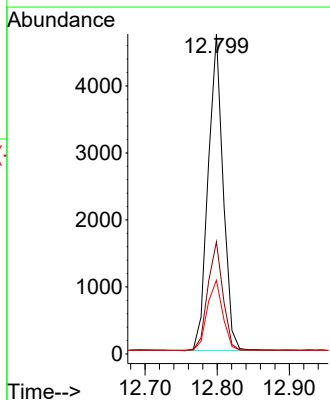
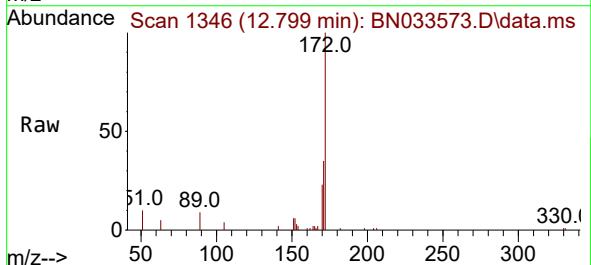
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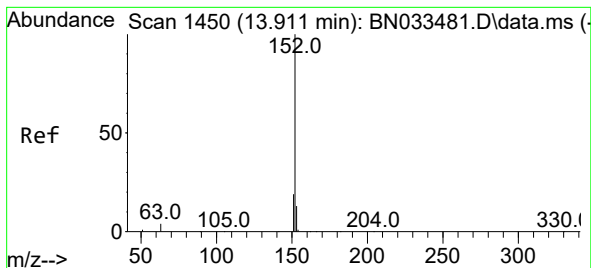
Tgt Ion:330 Resp: 1014
Ion Ratio Lower Upper
330 100
332 96.5 77.5 116.3
141 59.5 33.9 50.9#



#15
2-Fluorobiphenyl
Concen: 0.172 ng
RT: 12.799 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

Tgt Ion:172 Resp: 6808
Ion Ratio Lower Upper
172 100
171 35.1 27.7 41.5
170 23.1 18.3 27.5





#16

Acenaphthylene

Concen: 0.104 ng

RT: 13.900 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BN033573.D

Acq: 23 Aug 2024 04:06

Instrument :

BNA_N

ClientSampleId :

S-912-J-SO-0-0.5-081924

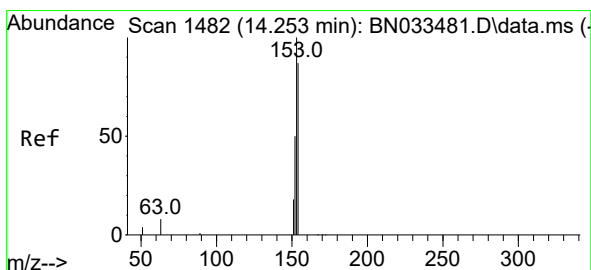
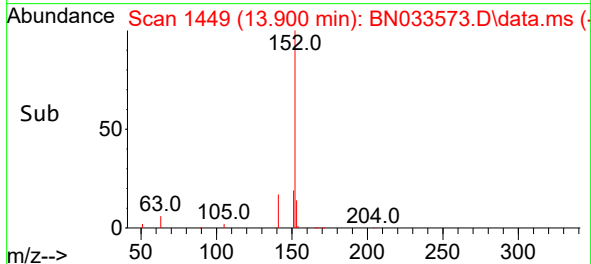
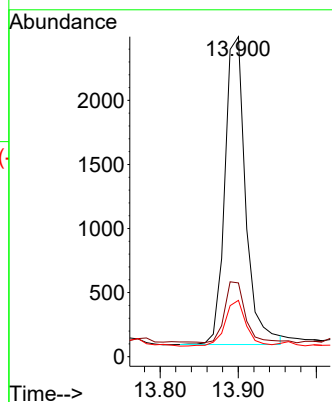
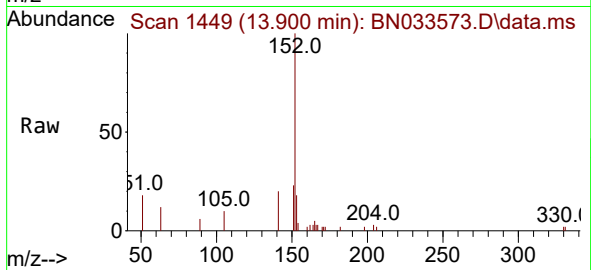
Tgt Ion:152 Resp: 4439

Ion Ratio Lower Upper

152 100

151 19.4 15.7 23.5

153 15.2 10.3 15.5



#17

Acenaphthene

Concen: 0.054 ng

RT: 14.242 min Scan# 1481

Delta R.T. 0.000 min

Lab File: BN033573.D

Acq: 23 Aug 2024 04:06

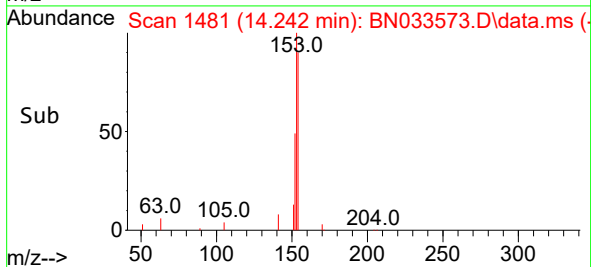
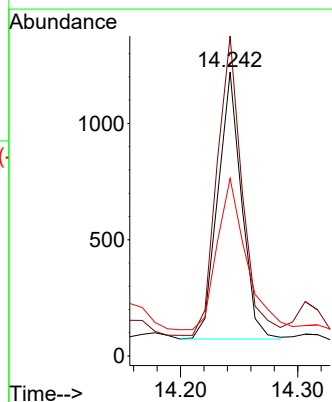
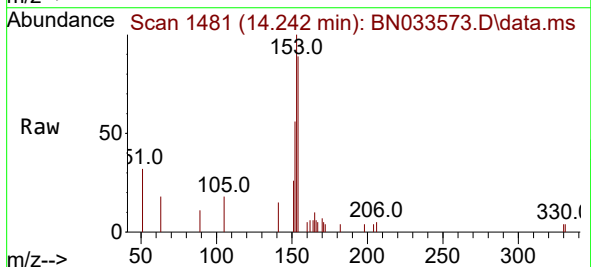
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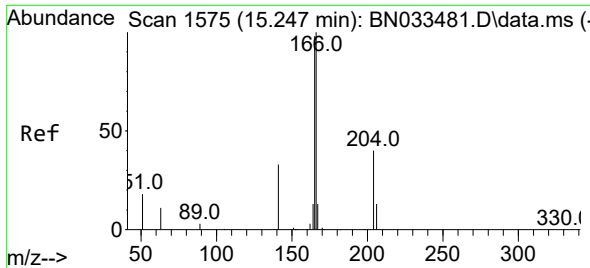
Ion Ratio Lower Upper

154 100

153 118.3 89.0 133.6

152 69.5 45.2 67.8#

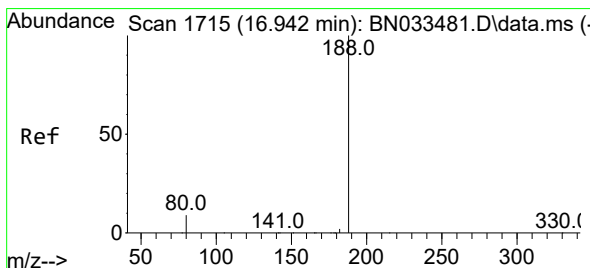
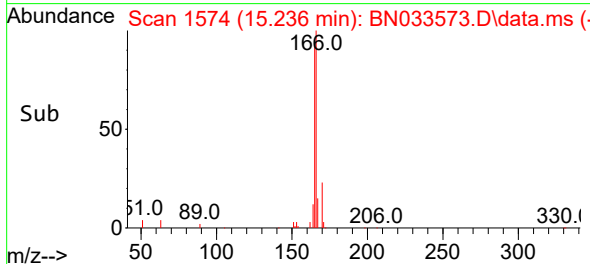
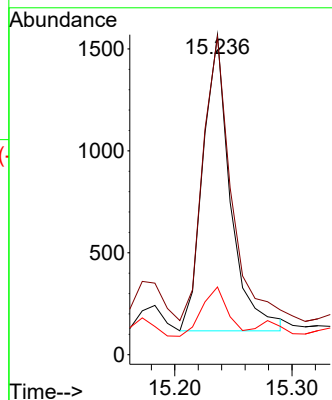
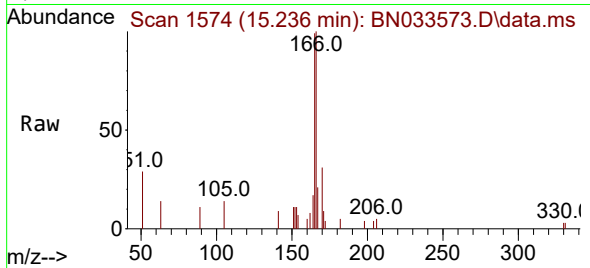




#18
Fluorene
Concen: 0.063 ng
RT: 15.236 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

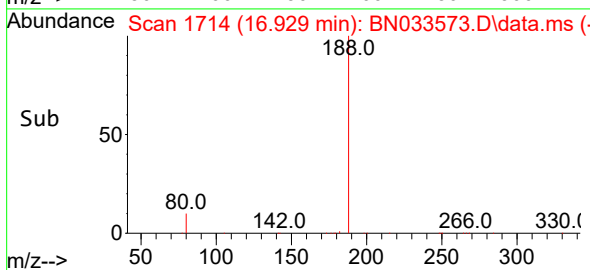
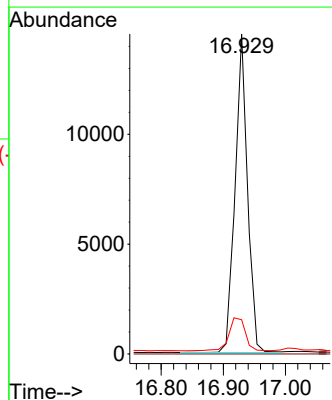
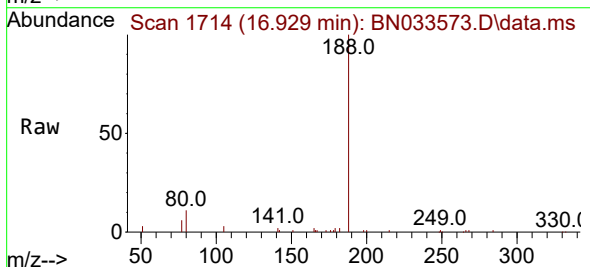
Instrument :
BNA_N
ClientSampleId :
S-912-J-SO-0-0.5-081924

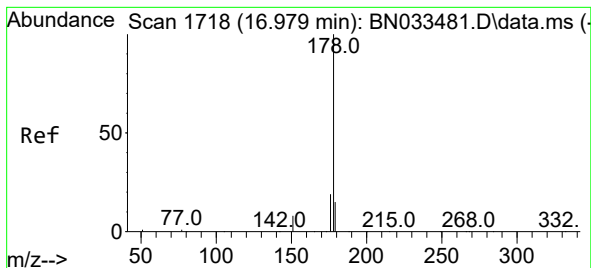
Tgt Ion:166 Resp: 2372
Ion Ratio Lower Upper
166 100
165 97.6 78.2 117.4
167 16.8 10.6 16.0#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

Tgt Ion:188 Resp: 20199
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 7.8 11.8





#25

Phenanthrene

Concen: 0.961 ng

RT: 16.967 min Scan# 1717

Delta R.T. 0.000 min

Lab File: BN033573.D

Acq: 23 Aug 2024 04:06

Instrument :

BNA_N

ClientSampleId :

S-912-J-SO-0-0.5-081924

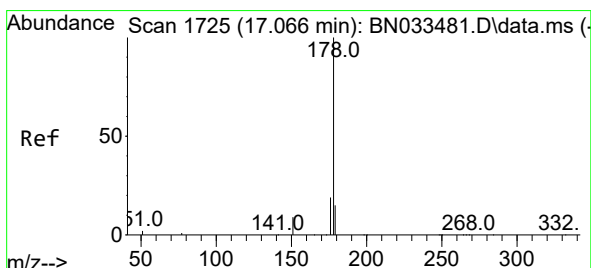
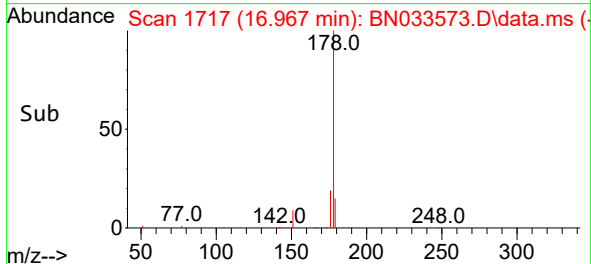
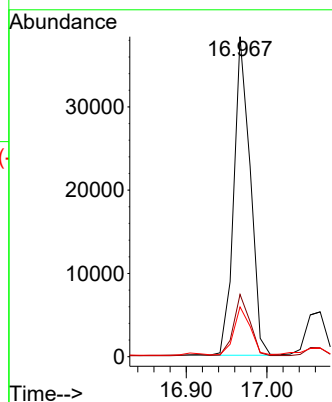
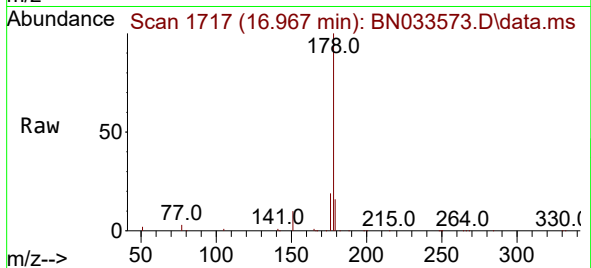
Tgt Ion:178 Resp: 54015

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 14.8 12.3 18.5



#26

Anthracene

Concen: 0.175 ng

RT: 17.066 min Scan# 1725

Delta R.T. 0.000 min

Lab File: BN033573.D

Acq: 23 Aug 2024 04:06

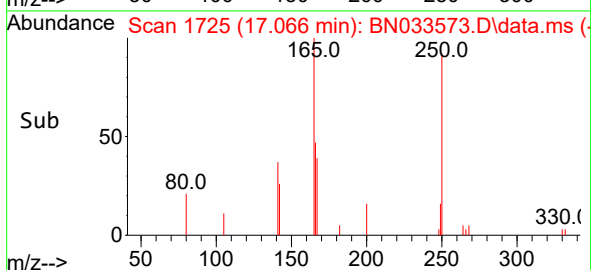
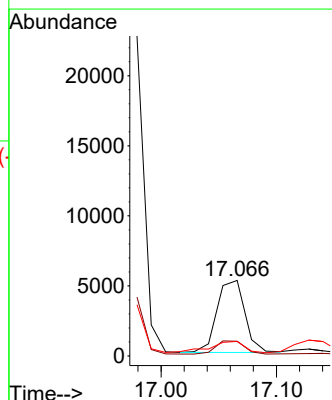
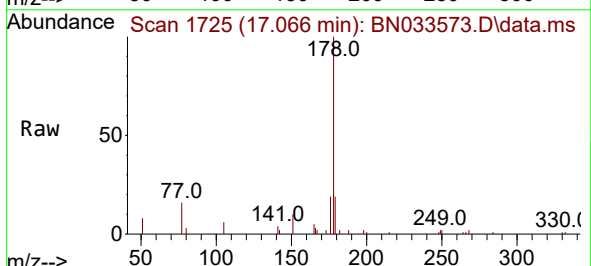
Tgt Ion:178 Resp: 8690

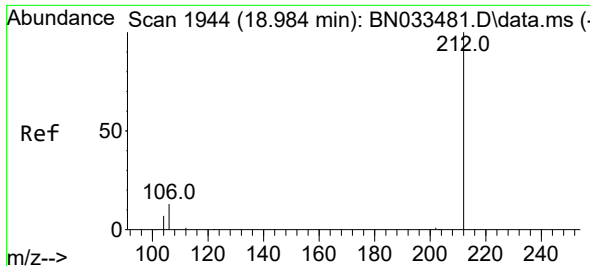
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

179 19.7 12.4 18.6#

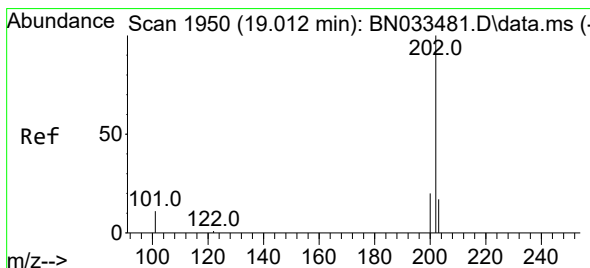
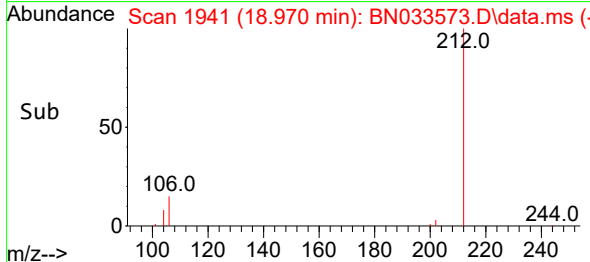
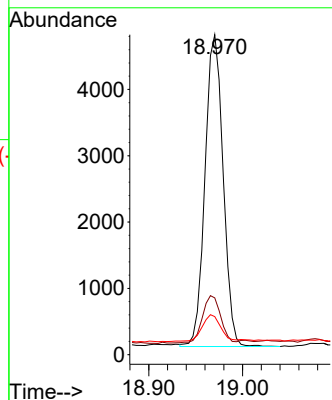
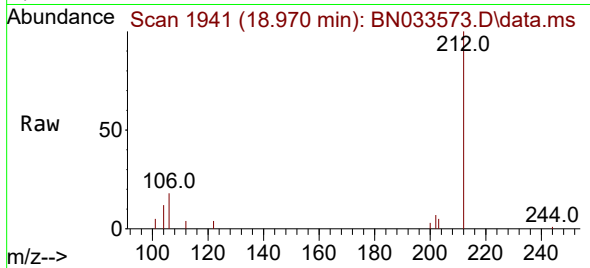




#27
Fluoranthene-d10
Concen: 0.130 ng
RT: 18.970 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

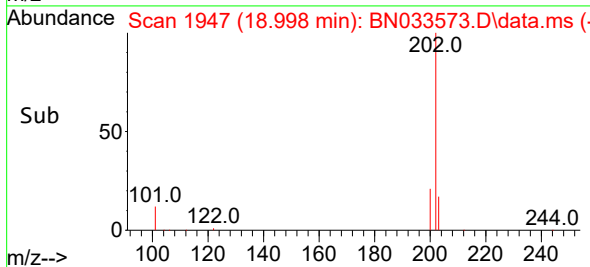
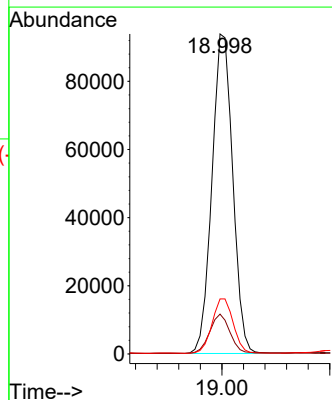
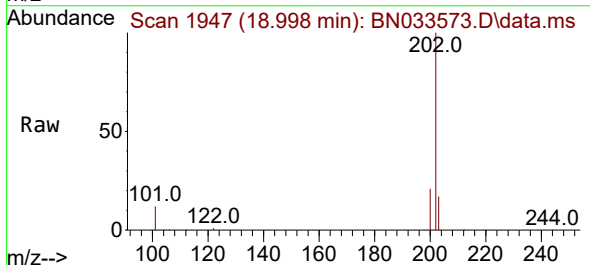
Instrument :
BNA_N
ClientSampleId :
S-912-J-SO-0-0.5-081924

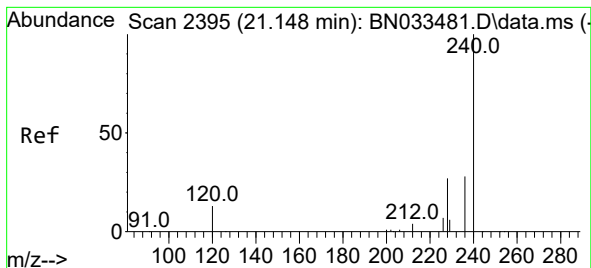
Tgt Ion:212 Resp: 6323
Ion Ratio Lower Upper
212 100
106 15.1 12.3 18.5
104 9.1 7.0 10.4



#28
Fluoranthene
Concen: 2.017 ng
RT: 18.998 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

Tgt Ion:202 Resp: 125276
Ion Ratio Lower Upper
202 100
101 12.2 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: BN033573.D

Acq: 23 Aug 2024 04:06

Instrument :

BNA_N

ClientSampleId :

S-912-J-SO-0-0.5-081924

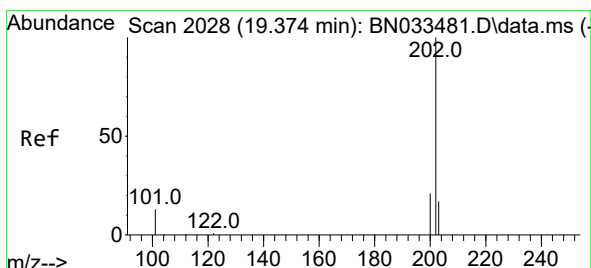
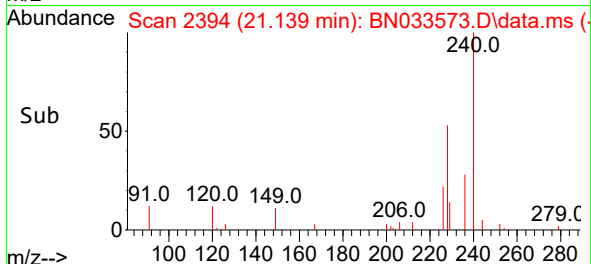
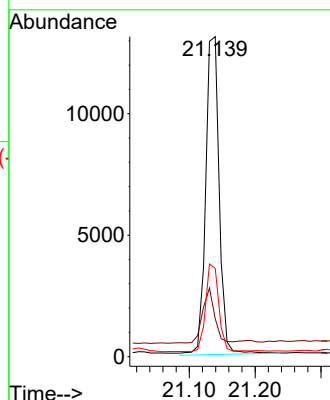
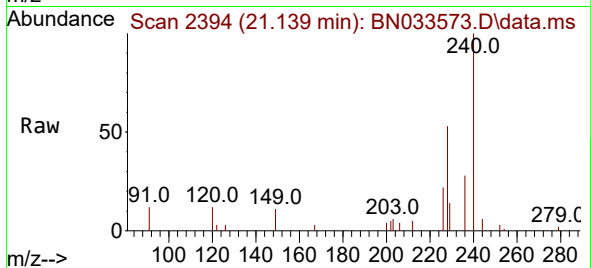
Tgt Ion:240 Resp: 18846

Ion Ratio Lower Upper

240 100

120 11.9 12.4 18.6#

236 27.6 23.0 34.6



#30

Pyrene

Concen: 1.316 ng

RT: 19.365 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BN033573.D

Acq: 23 Aug 2024 04:06

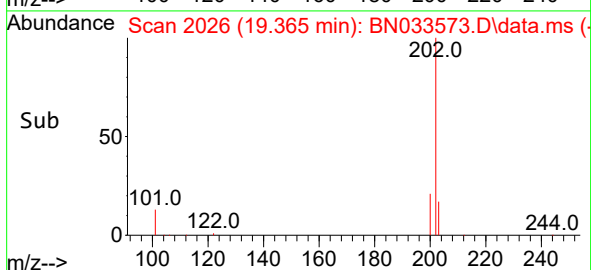
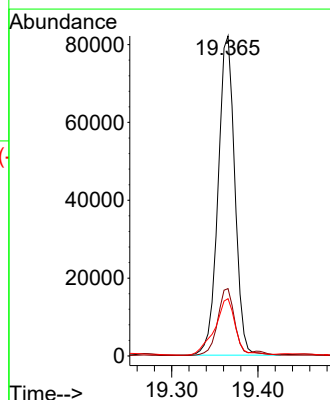
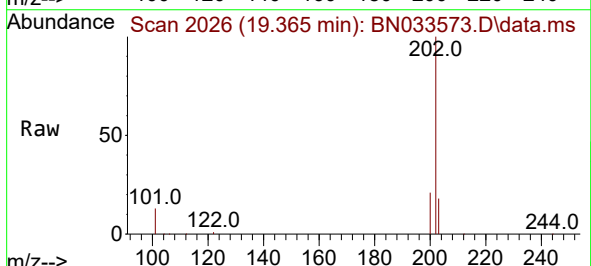
Tgt Ion:202 Resp: 110725

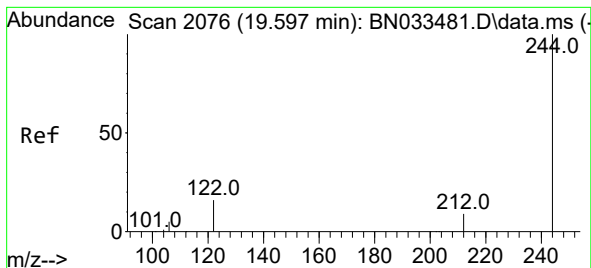
Ion Ratio Lower Upper

202 100

200 21.2 16.6 24.8

203 21.7 14.2 21.4#





#31

Terphenyl-d14

Concen: 0.097 ng

RT: 19.584 min Scan# 2076

Delta R.T. 0.000 min

Lab File: BN033573.D

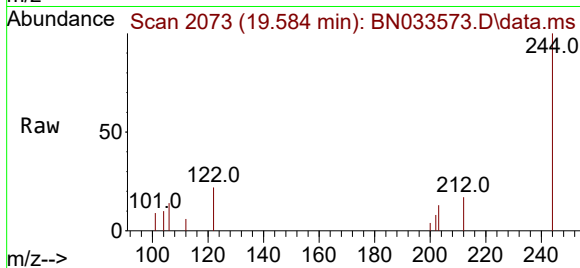
Acq: 23 Aug 2024 04:06

Instrument :

BNA_N

ClientSampleId :

S-912-J-SO-0-0.5-081924



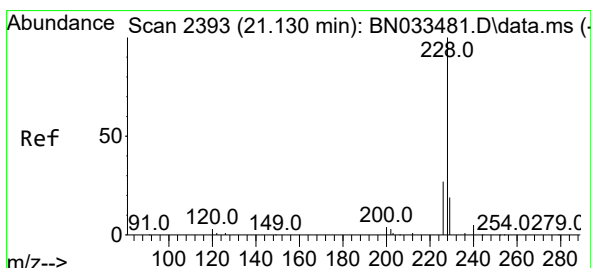
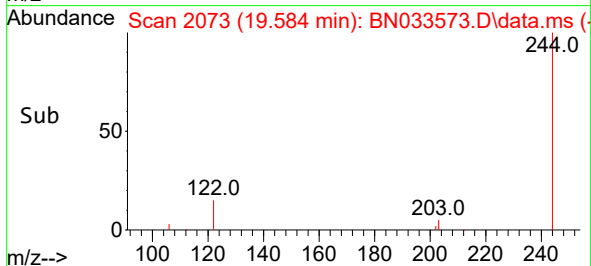
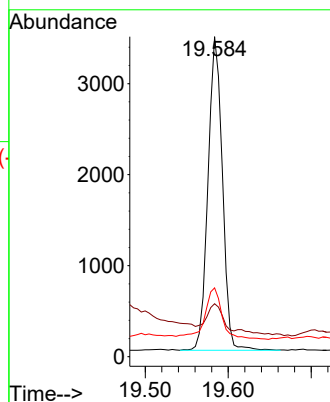
Tgt Ion:244 Resp: 4160

Ion Ratio Lower Upper

244 100

212 16.6 7.8 11.6#

122 21.5 13.3 19.9#



#32

Benzo(a)anthracene

Concen: 0.771 ng

RT: 21.122 min Scan# 2392

Delta R.T. 0.000 min

Lab File: BN033573.D

Acq: 23 Aug 2024 04:06

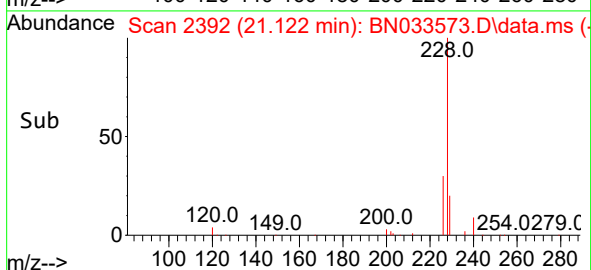
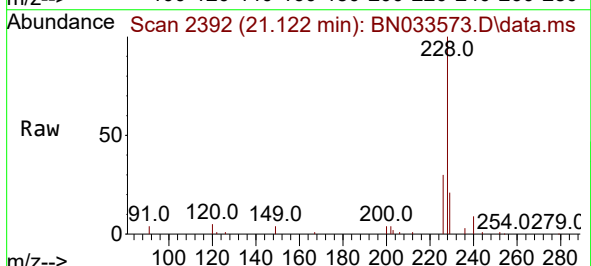
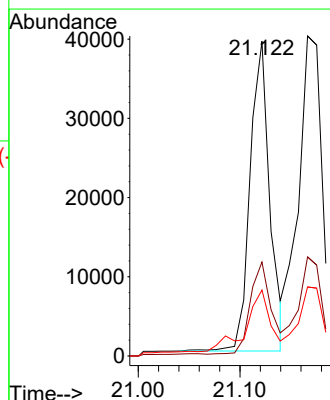
Tgt Ion:228 Resp: 52556

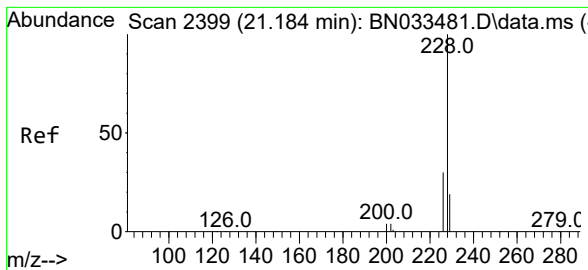
Ion Ratio Lower Upper

228 100

226 29.8 21.8 32.6

229 21.0 15.8 23.6





#33

Chrysene

Concen: 0.948 ng

RT: 21.166 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN033573.D

Acq: 23 Aug 2024 04:06

Instrument :

BNA_N

ClientSampleId :

S-912-J-SO-0-0.5-081924

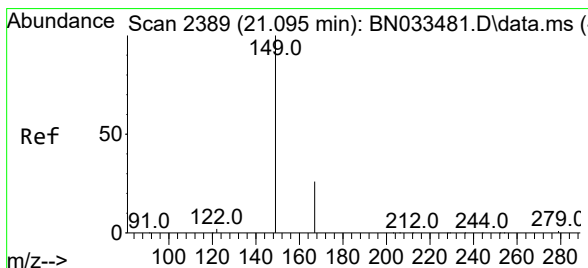
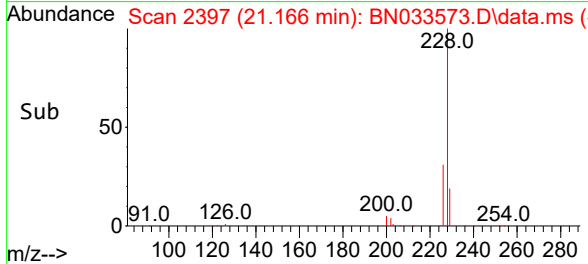
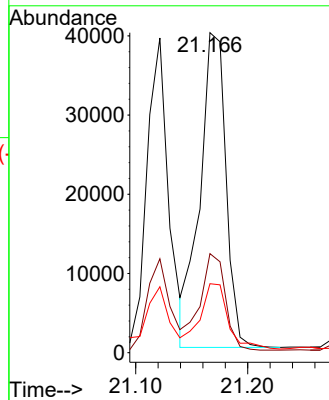
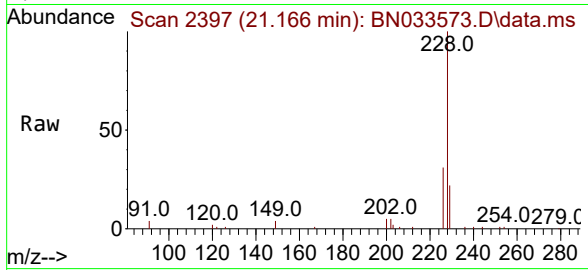
Tgt Ion:228 Resp: 64197

Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.8

229 21.5 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.380 ng

RT: 21.077 min Scan# 2387

Delta R.T. -0.009 min

Lab File: BN033573.D

Acq: 23 Aug 2024 04:06

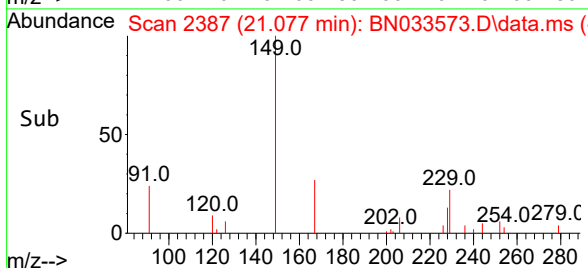
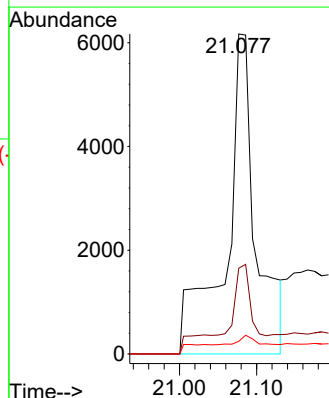
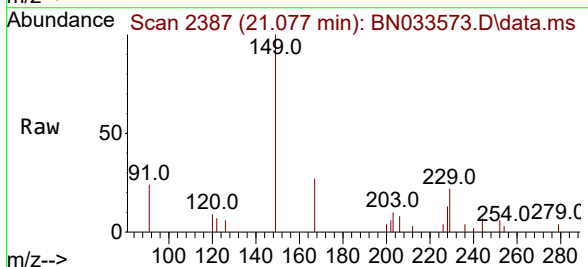
Tgt Ion:149 Resp: 16381

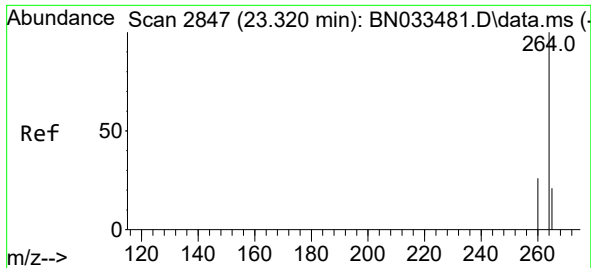
Ion Ratio Lower Upper

149 100

167 24.7 21.5 32.3

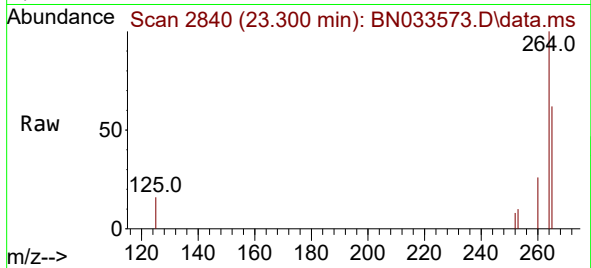
279 2.2 2.2 3.2



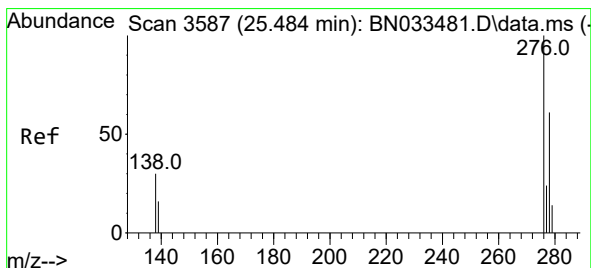
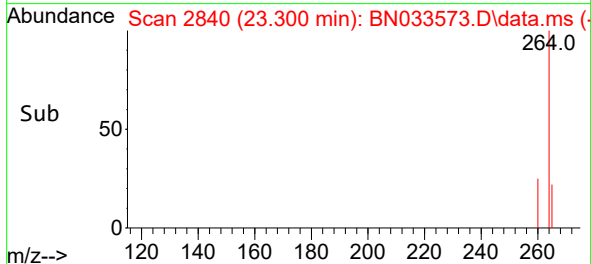
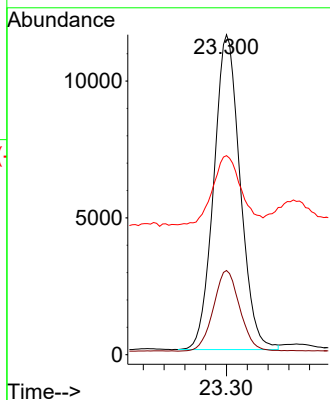


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.300 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

Instrument :
BNA_N
ClientSampleId :
S-912-J-SO-0-0.5-081924

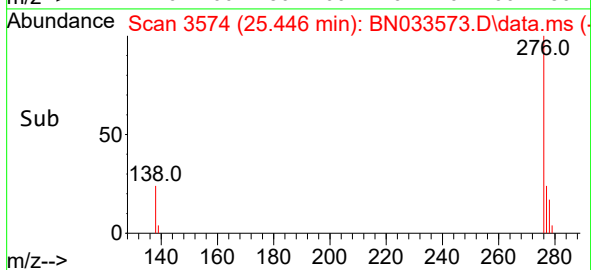
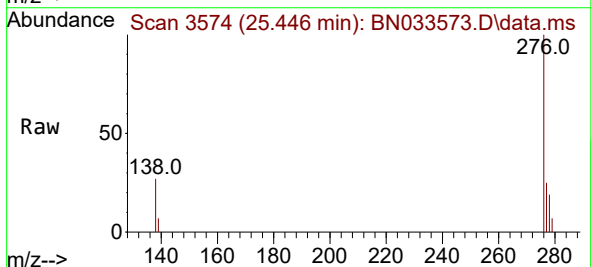
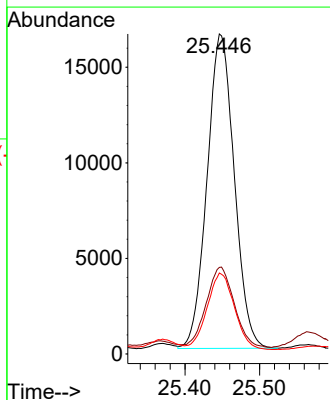


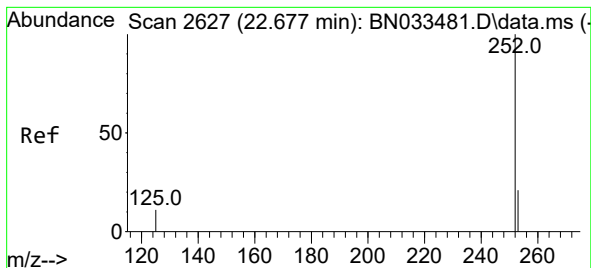
Tgt Ion:264 Resp: 20277
Ion Ratio Lower Upper
264 100
260 26.3 20.8 31.2
265 62.2 52.2 78.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.496 ng
RT: 25.446 min Scan# 3574
Delta R.T. -0.003 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

Tgt Ion:276 Resp: 41741
Ion Ratio Lower Upper
276 100
138 26.2 24.4 36.6
277 24.5 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 1.181 ng

RT: 22.660 min Scan# 2621

Delta R.T. 0.000 min

Lab File: BN033573.D

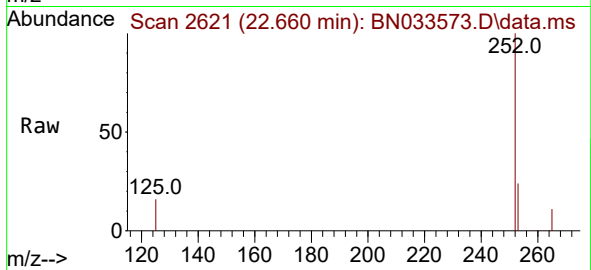
Acq: 23 Aug 2024 04:06

Instrument :

BNA_N

ClientSampleId :

S-912-J-SO-0-0.5-081924



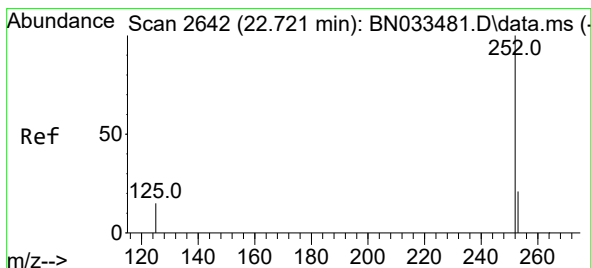
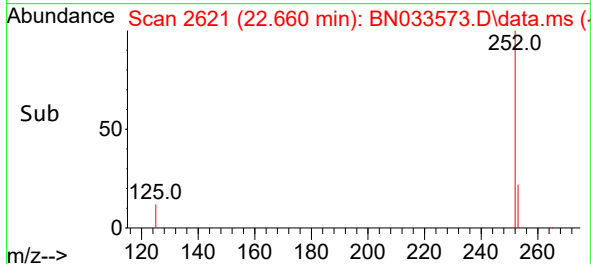
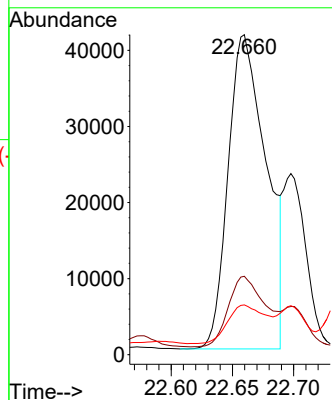
Tgt Ion:252 Resp: 89415

Ion Ratio Lower Upper

252 100

253 24.5 19.8 29.8

125 15.6 13.9 20.9



#38

Benzo(k)fluoranthene

Concen: 1.200 ng

RT: 22.660 min Scan# 2621

Delta R.T. -0.044 min

Lab File: BN033573.D

Acq: 23 Aug 2024 04:06

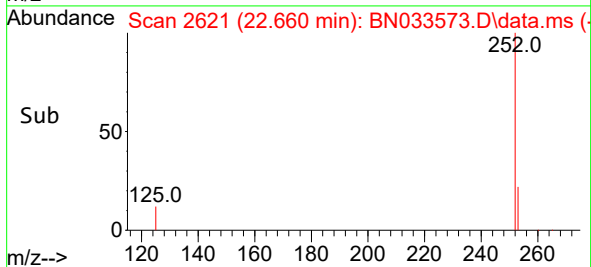
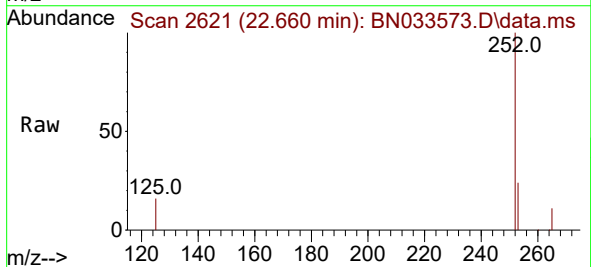
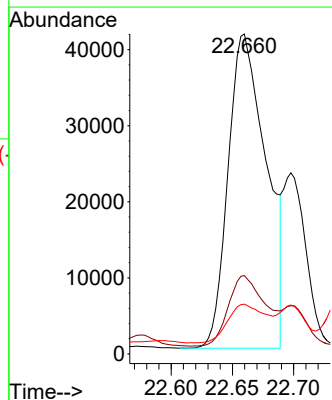
Tgt Ion:252 Resp: 89415

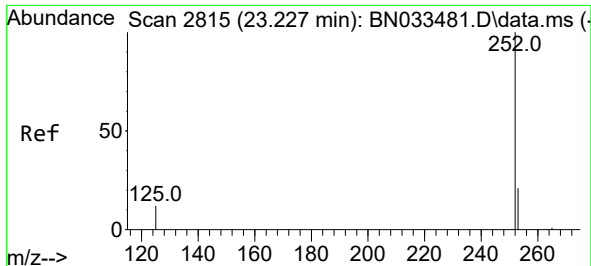
Ion Ratio Lower Upper

252 100

253 24.5 19.8 29.8

125 15.6 15.8 23.8#





#39

Benzo(a)pyrene

Concen: 0.884 ng

RT: 23.206 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN033573.D

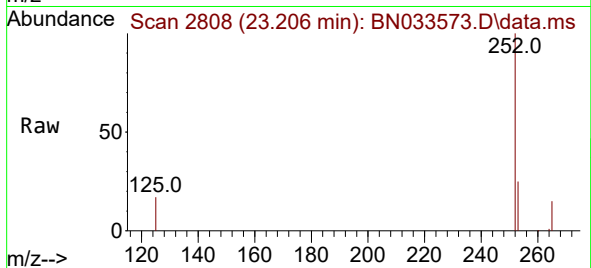
Acq: 23 Aug 2024 04:06

Instrument :

BNA_N

ClientSampleId :

S-912-J-SO-0-0.5-081924



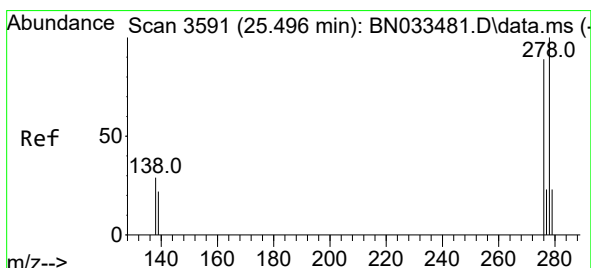
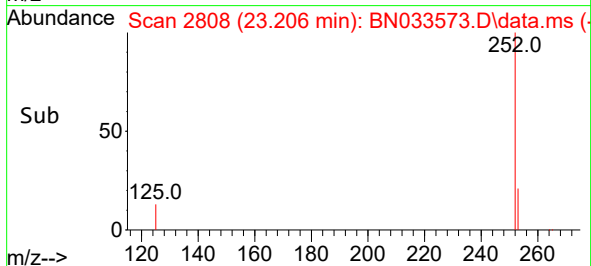
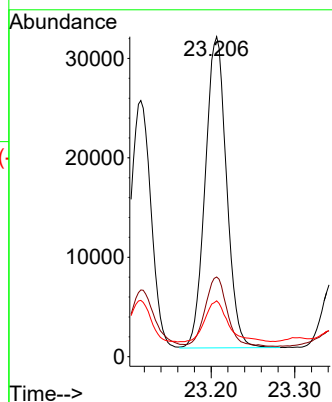
Tgt Ion:252 Resp: 55369

Ion Ratio Lower Upper

252 100

253 24.9 21.5 32.3

125 17.4 17.0 25.4



#40

Dibenzo(a,h)anthracene

Concen: 0.147 ng

RT: 25.458 min Scan# 3578

Delta R.T. -0.012 min

Lab File: BN033573.D

Acq: 23 Aug 2024 04:06

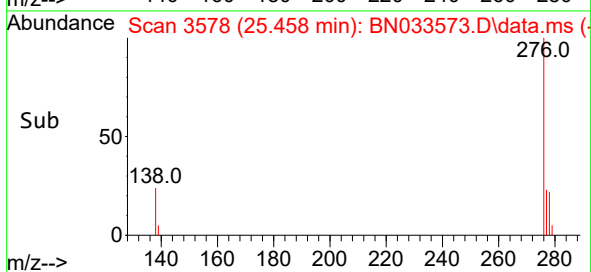
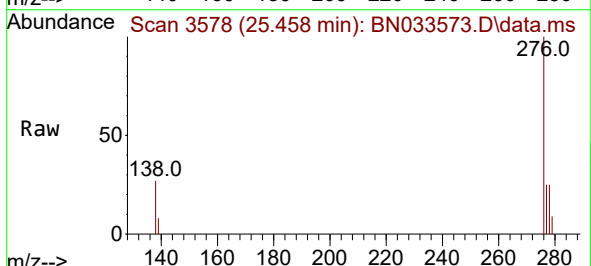
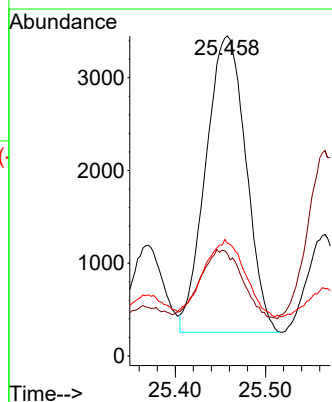
Tgt Ion:278 Resp: 9895

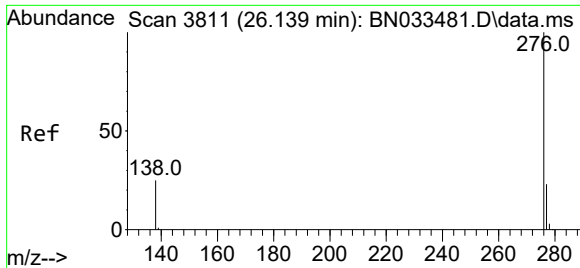
Ion Ratio Lower Upper

278 100

139 31.9 19.1 28.7#

279 35.2 21.0 31.4#





#41

Benzo(g,h,i)perylene

Concen: 0.577 ng

RT: 26.104 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN033573.D

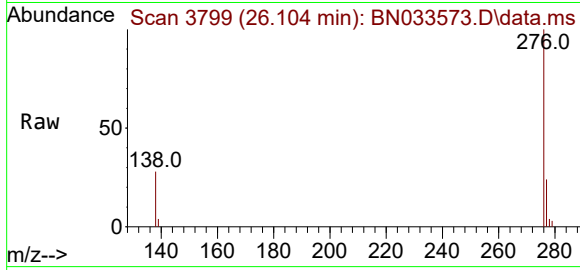
Acq: 23 Aug 2024 04:06

Instrument :

BNA_N

ClientSampleId :

S-912-J-SO-0-0.5-081924



Tgt Ion:276 Resp: 41549

Ion Ratio Lower Upper

276 100

277 24.3 19.7 29.5

138 27.6 21.8 32.6

