

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033595.D
 Acq On : 23 Aug 2024 18:23
 Operator : MA/JU
 Sample : P3671-06DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-905-J-SO-0-0.5-081924DL

Quant Time: Aug 24 02:18:07 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)

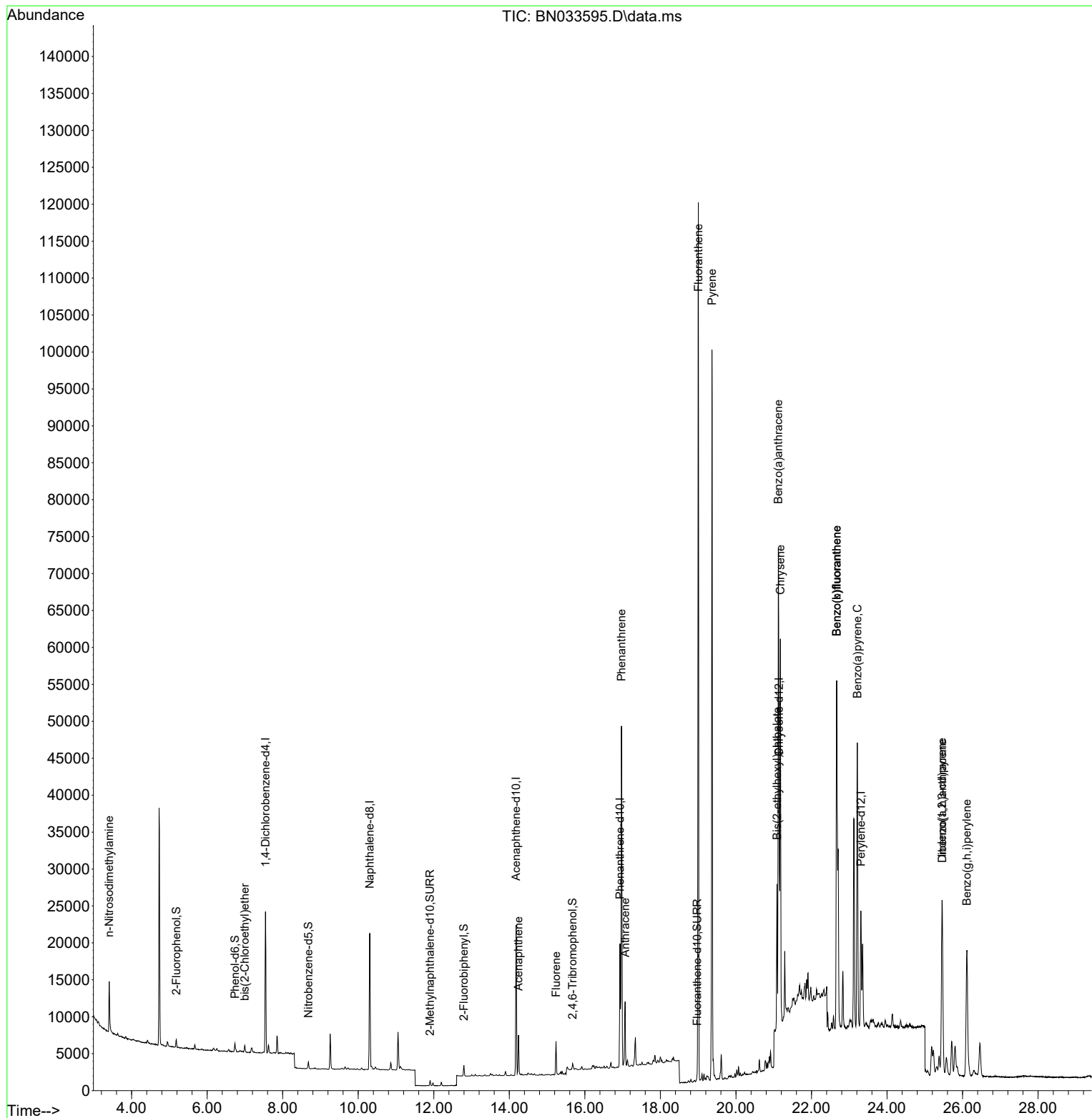
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8740	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	22823	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	10830	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20585	0.400	ng	0.00
29) Chrysene-d12	21.139	240	17216	0.400	ng	0.00
35) Perylene-d12	23.306	264	19106	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	804	0.029	ng	0.00
5) Phenol-d6	6.736	99	958	0.029	ng	0.00
8) Nitrobenzene-d5	8.681	82	673	0.036	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	920	0.028	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	191	0.033	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	1201	0.027	ng	0.00
27) Fluoranthene-d10	18.975	212	1056	0.021	ng	0.00
31) Terphenyl-d14	19.584	244	698	0.018	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.407	42	1258	0.108	ng	# 1
6) bis(2-Chloroethyl)ether	6.996	93	1242	0.053	ng	# 24
17) Acenaphthene	14.242	154	2510	0.075	ng	98
18) Fluorene	15.236	166	2709	0.064	ng	98
25) Phenanthrene	16.967	178	48921	0.854	ng	100
26) Anthracene	17.066	178	9296	0.183	ng	# 95
28) Fluoranthene	19.003	202	101100	1.598	ng	99
30) Pyrene	19.365	202	86720	1.129	ng	# 95
32) Benzo(a)anthracene	21.122	228	53076	0.853	ng	98
33) Chrysene	21.175	228	45494	0.735	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	17264	0.438	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.455	276	34740	0.438	ng	# 93
37) Benzo(b)fluoranthene	22.666	252	71247	0.999	ng	98
38) Benzo(k)fluoranthene	22.666	252	71247	1.015	ng	# 96
39) Benzo(a)pyrene	23.212	252	50880	0.862	ng	95
40) Dibenzo(a,h)anthracene	25.464	278	8366	0.132	ng	# 72
41) Benzo(g,h,i)perylene	26.113	276	33549	0.495	ng	99

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

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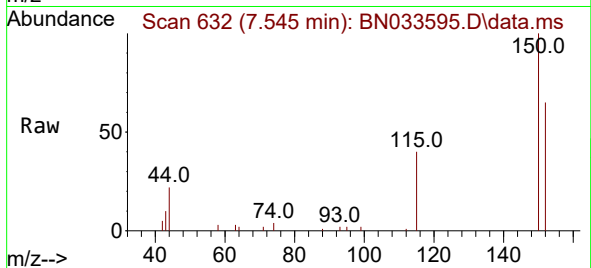
Quant Time: Aug 24 02:18:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
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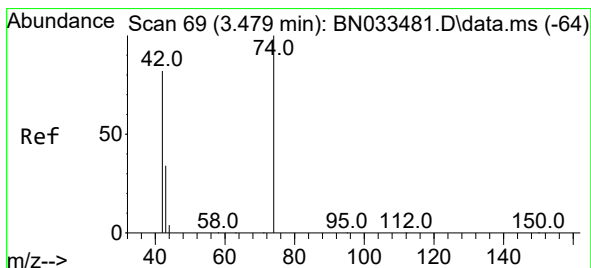
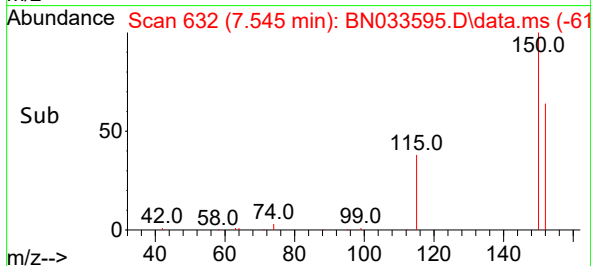
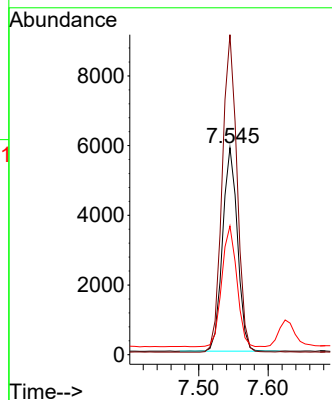


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924DL

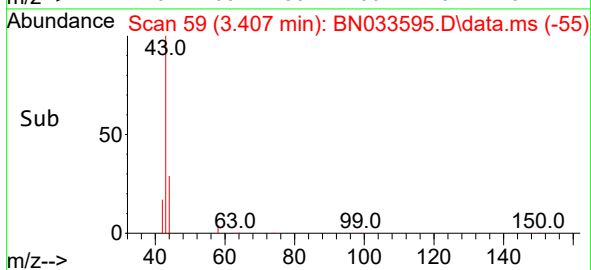
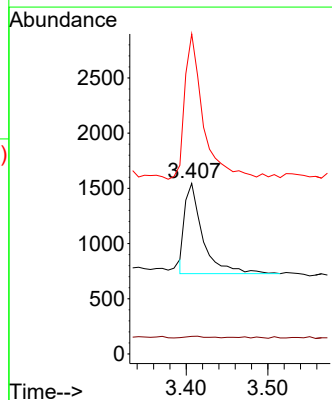
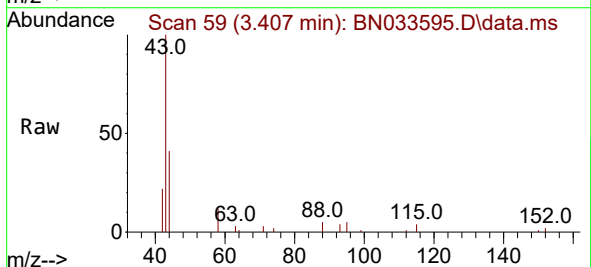


Tgt Ion:152 Resp: 8740
Ion Ratio Lower Upper
152 100
150 154.6 122.2 183.2
115 62.1 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.108 ng
RT: 3.407 min Scan# 59
Delta R.T. -0.072 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

Tgt Ion: 42 Resp: 1258
Ion Ratio Lower Upper
42 100
74 1.5 100.2 150.2#
44 151.3 5.3 7.9#

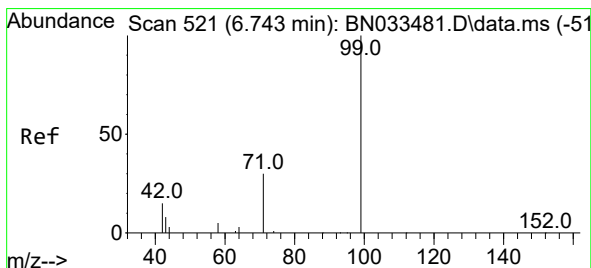
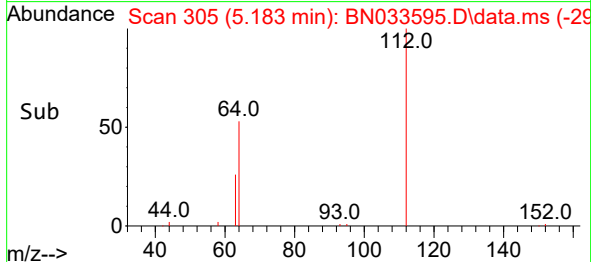
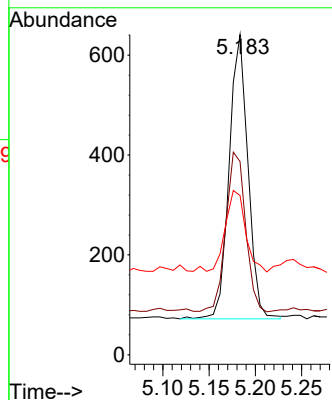
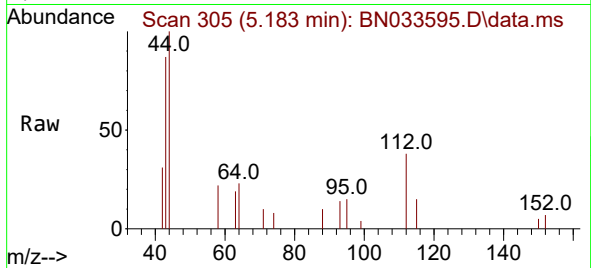




#4
2-Fluorophenol
Concen: 0.029 ng
RT: 5.183 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

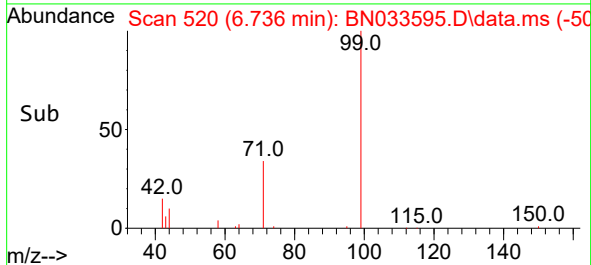
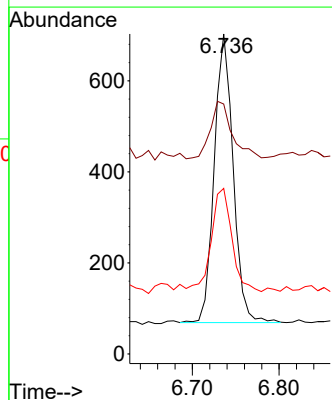
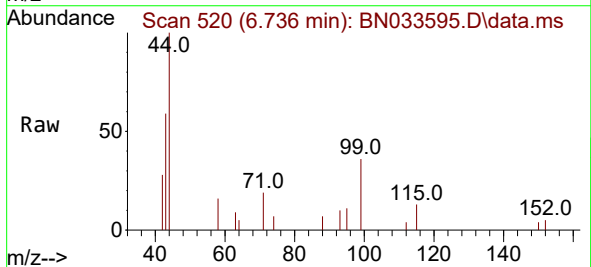
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924DL

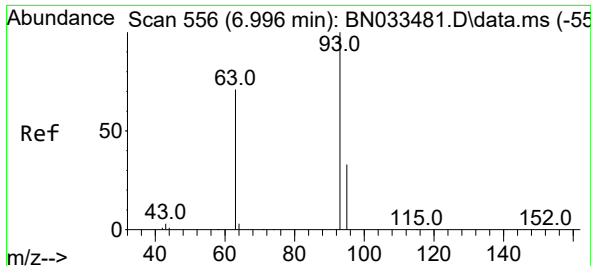
Tgt Ion:112 Resp: 804
Ion Ratio Lower Upper
112 100
64 58.3 47.1 70.7
63 31.0 24.9 37.3



#5
Phenol-d6
Concen: 0.029 ng
RT: 6.736 min Scan# 520
Delta R.T. 0.007 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

Tgt Ion: 99 Resp: 958
Ion Ratio Lower Upper
99 100
42 23.4 16.6 24.8
71 39.9 26.2 39.4#

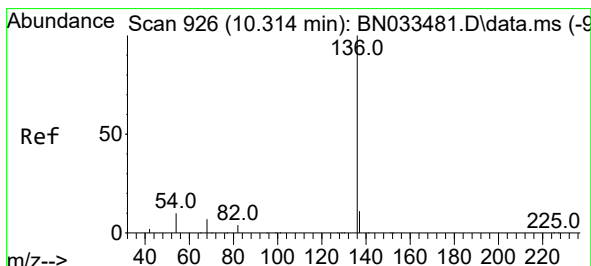
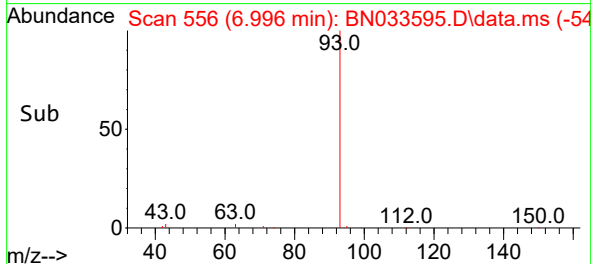
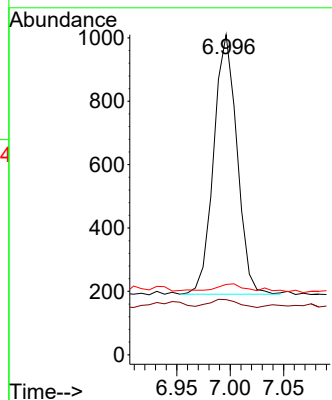
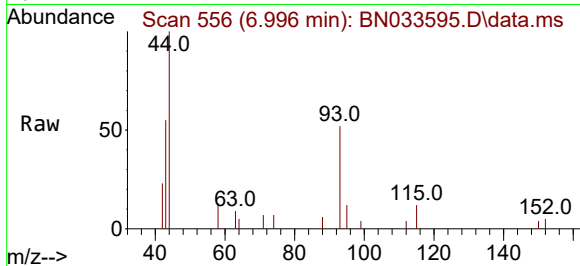




#6
bis(2-Chloroethyl)ether
Concen: 0.053 ng
RT: 6.996 min Scan# 511
Delta R.T. 0.014 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

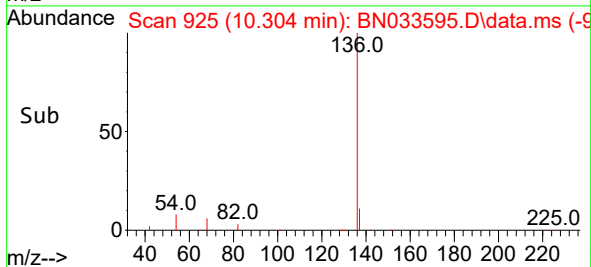
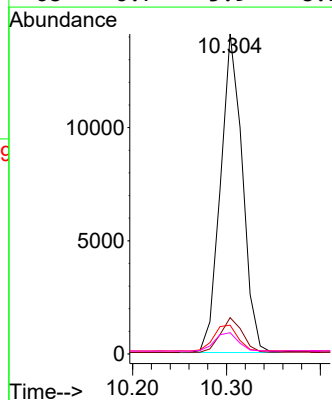
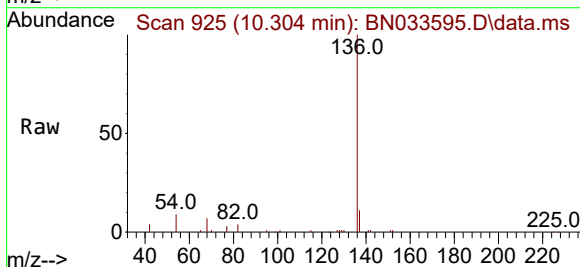
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924DL

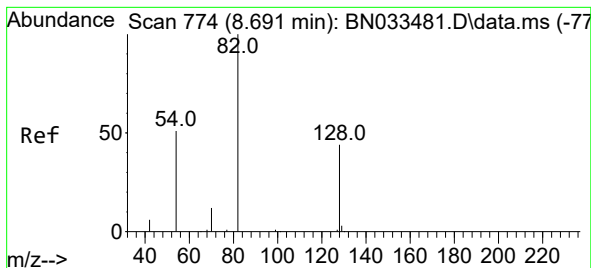
Tgt Ion: 93 Resp: 1242
Ion Ratio Lower Upper
93 100
63 3.8 63.0 94.4#
95 3.0 26.0 39.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

Tgt Ion:136 Resp: 22823
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.0 8.3 12.5
68 6.7 5.9 8.9





#8

Nitrobenzene-d5

Concen: 0.036 ng

RT: 8.681 min Scan# 71

Delta R.T. 0.000 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924DL

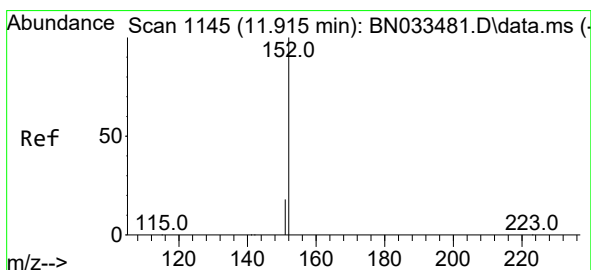
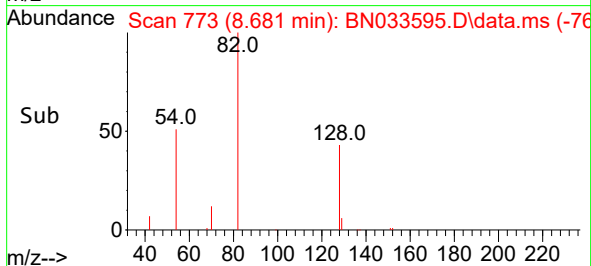
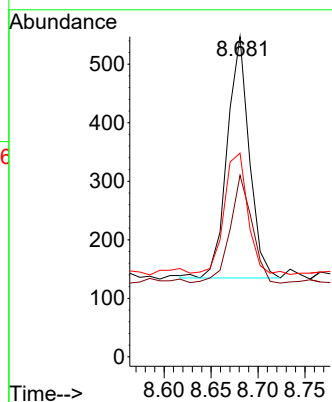
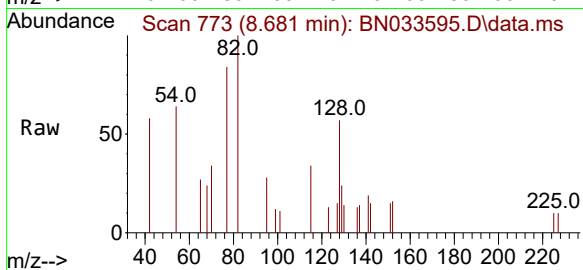
Tgt Ion: 82 Resp: 673

Ion Ratio Lower Upper

82 100

128 56.7 36.0 54.0#

54 63.6 42.0 63.0#



#11

2-Methylnaphthalene-d10

Concen: 0.028 ng

RT: 11.903 min Scan# 1142

Delta R.T. 0.000 min

Lab File: BN033595.D

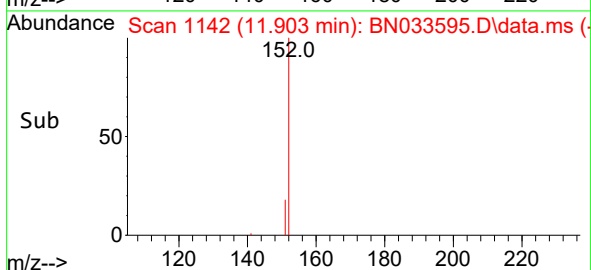
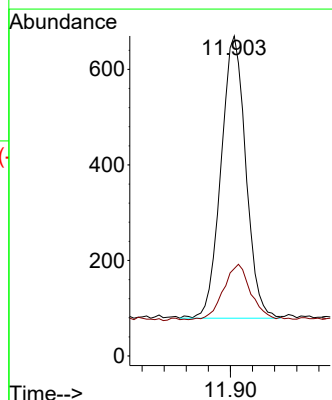
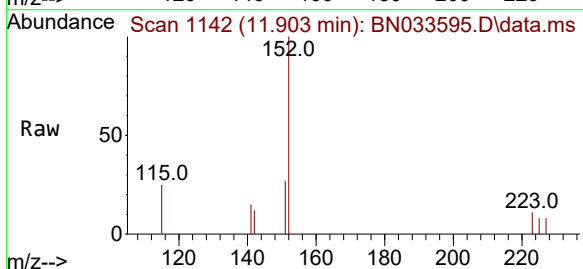
Acq: 23 Aug 2024 18:23

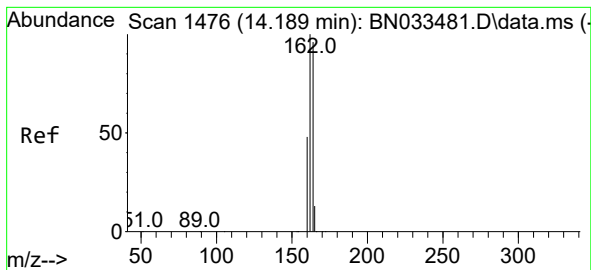
Tgt Ion: 152 Resp: 920

Ion Ratio Lower Upper

152 100

151 22.1 16.6 25.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.178 min Scan# 14

Delta R.T. 0.000 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924DL

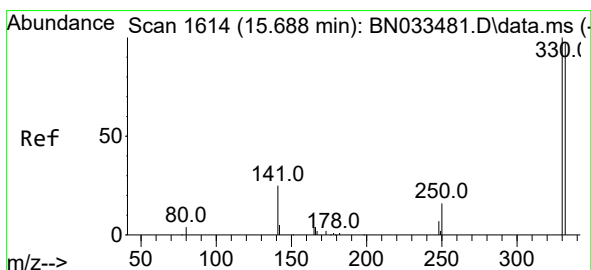
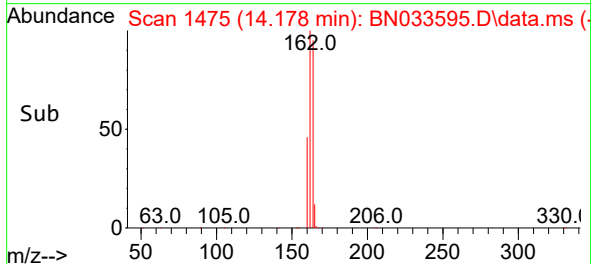
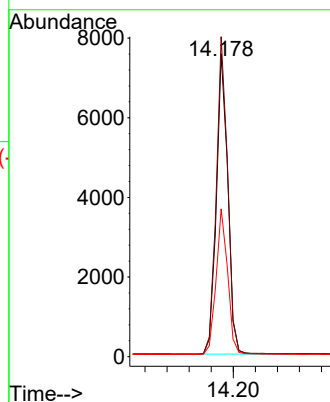
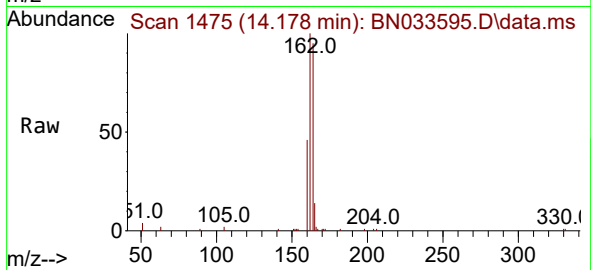
Tgt Ion:164 Resp: 10830

Ion Ratio Lower Upper

164 100

162 105.6 83.5 125.3

160 48.8 40.2 60.4



#14

2,4,6-Tribromophenol

Concen: 0.033 ng

RT: 15.676 min Scan# 1613

Delta R.T. 0.000 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

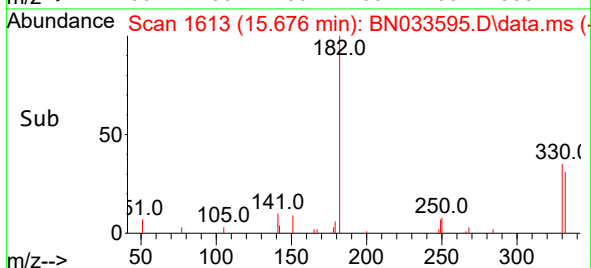
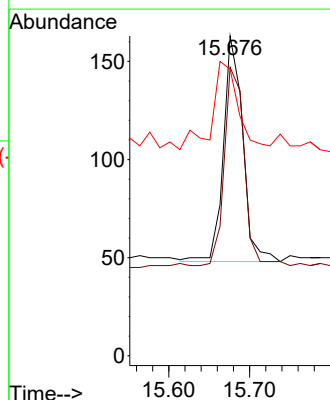
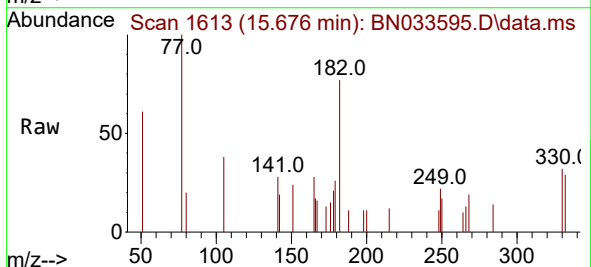
Tgt Ion:330 Resp: 191

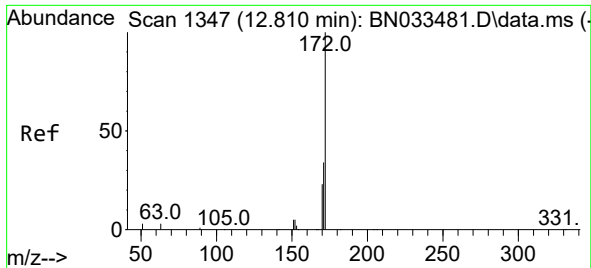
Ion Ratio Lower Upper

330 100

332 90.6 77.5 116.3

141 52.4 33.9 50.9#

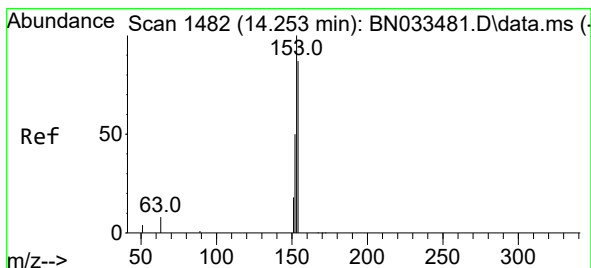
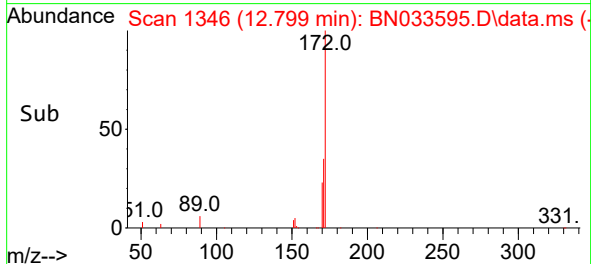
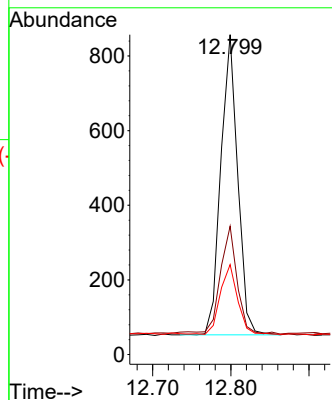
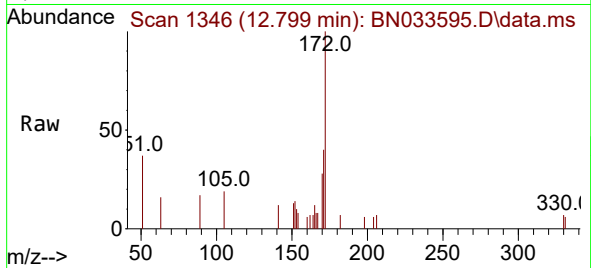




#15
2-Fluorobiphenyl
Concen: 0.027 ng
RT: 12.799 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

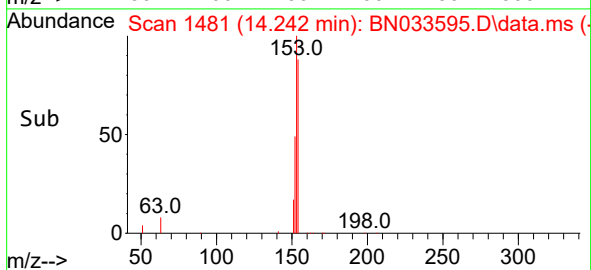
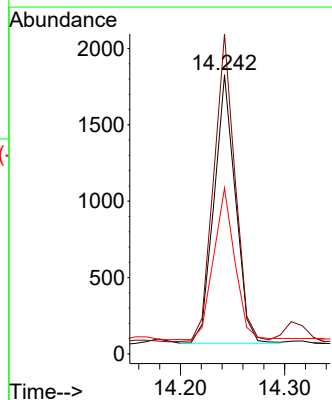
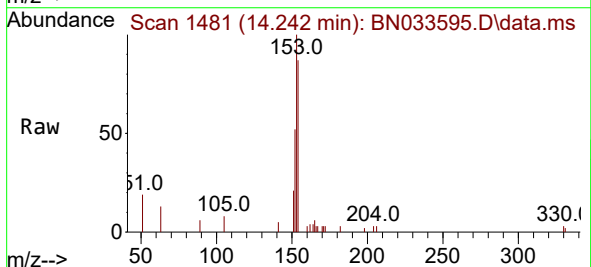
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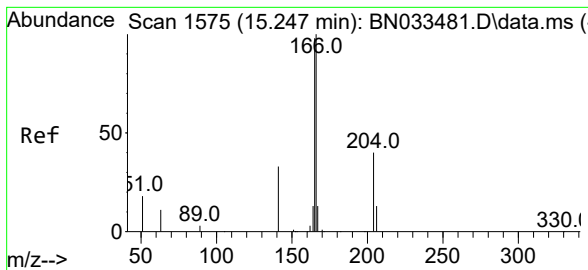
Tgt Ion:172 Resp: 1201
Ion Ratio Lower Upper
172 100
171 40.1 27.7 41.5
170 28.1 18.3 27.5#



#17
Acenaphthene
Concen: 0.075 ng
RT: 14.242 min Scan# 1481
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

Tgt Ion:154 Resp: 2510
Ion Ratio Lower Upper
154 100
153 114.5 89.0 133.6
152 56.3 45.2 67.8





#18

Fluorene

Concen: 0.064 ng

RT: 15.236 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN033595.D

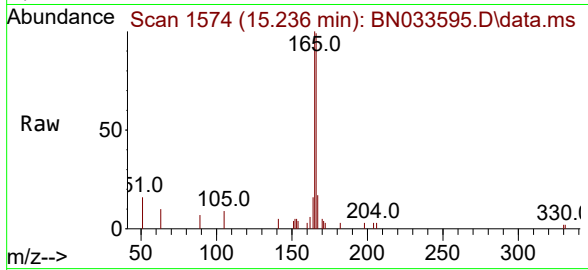
Acq: 23 Aug 2024 18:23

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924DL



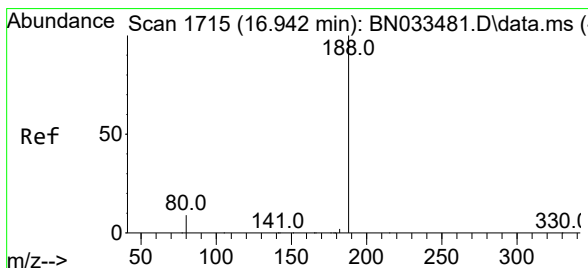
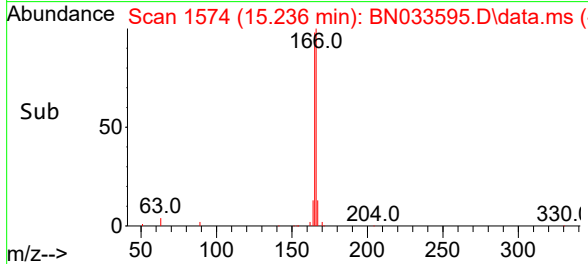
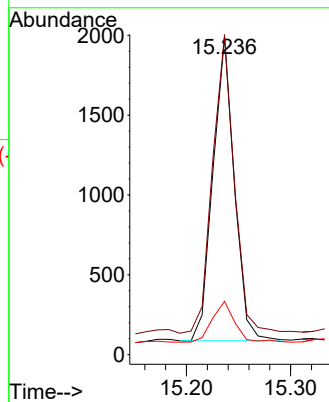
Tgt Ion:166 Resp: 2709

Ion Ratio Lower Upper

166 100

165 99.9 78.2 117.4

167 14.2 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: BN033595.D

Acq: 23 Aug 2024 18:23

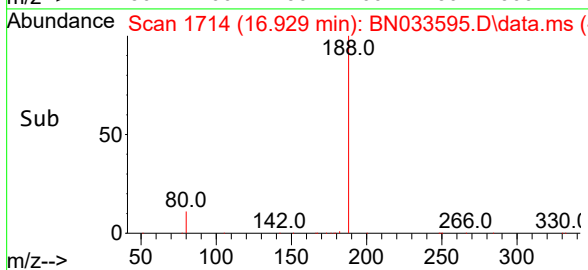
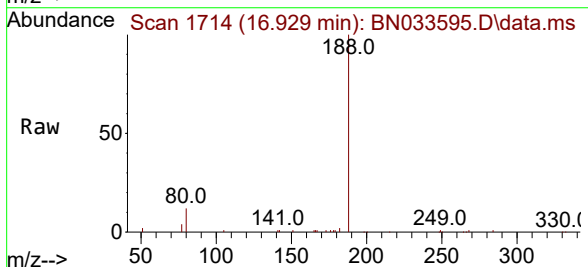
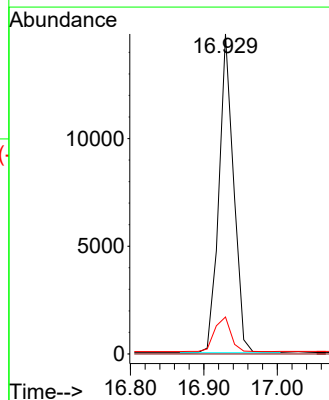
Tgt Ion:188 Resp: 20585

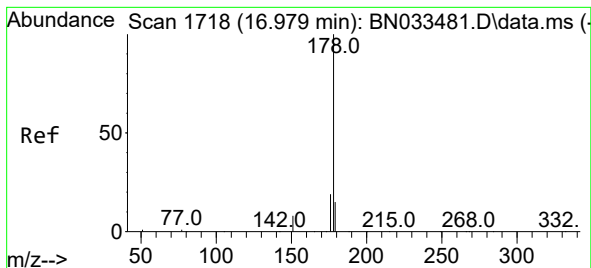
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.6 7.8 11.8





#25

Phenanthrene

Concen: 0.854 ng

RT: 16.967 min Scan# 1717

Delta R.T. 0.000 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924DL

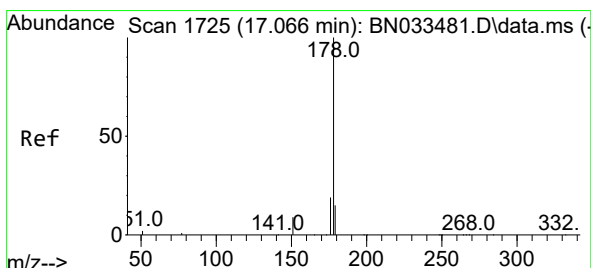
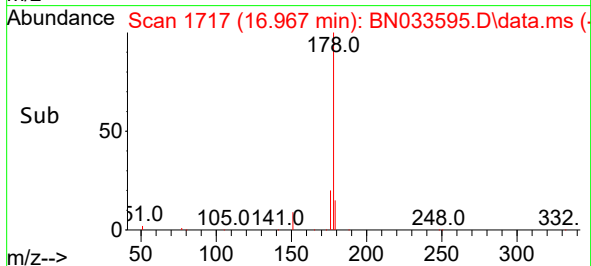
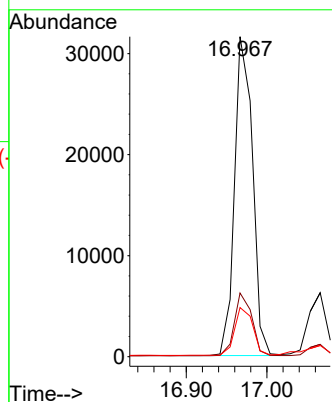
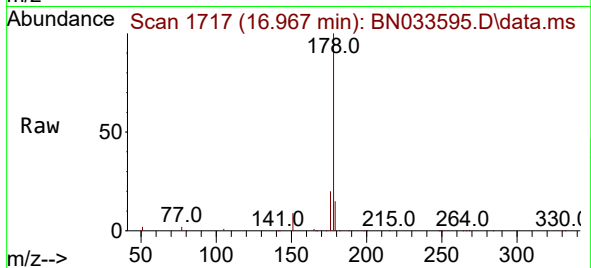
Tgt Ion:178 Resp: 48921

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.3 12.3 18.5



#26

Anthracene

Concen: 0.183 ng

RT: 17.066 min Scan# 1725

Delta R.T. 0.000 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

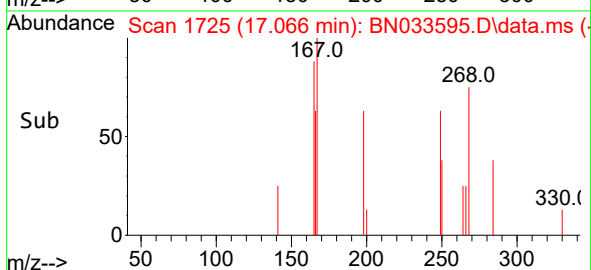
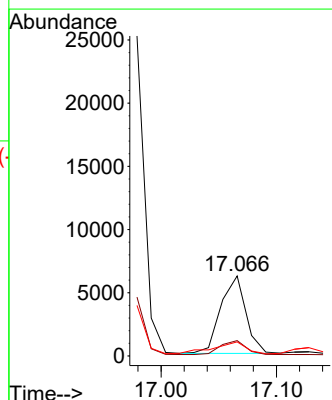
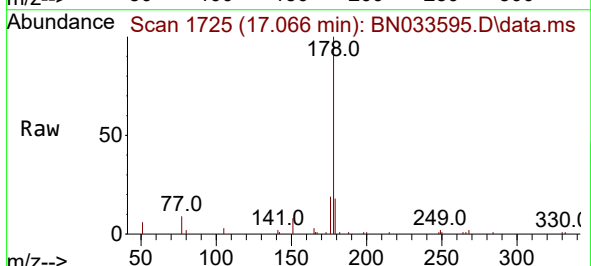
Tgt Ion:178 Resp: 9296

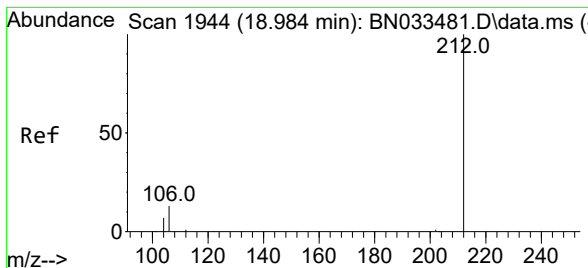
Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.6

179 19.6 12.4 18.6#





#27

Fluoranthene-d10

Concen: 0.021 ng

RT: 18.975 min Scan# 1942

Delta R.T. 0.005 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924DL

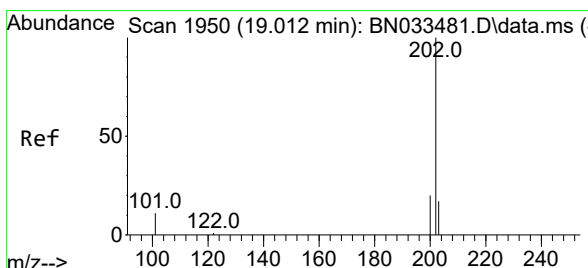
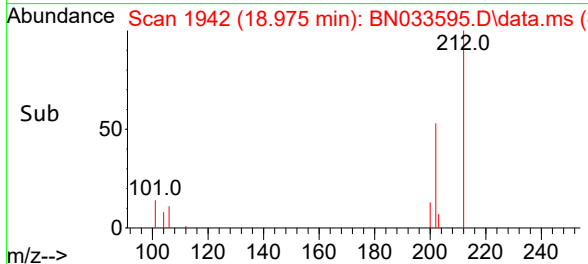
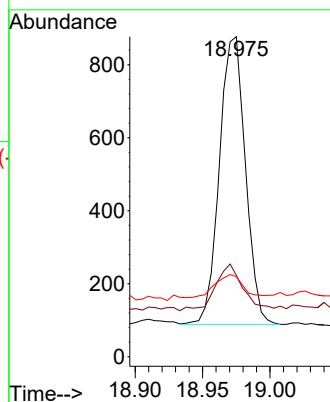
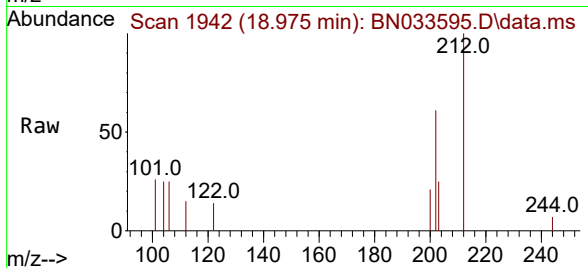
Tgt Ion:212 Resp: 1056

Ion Ratio Lower Upper

212 100

106 17.2 12.3 18.5

104 8.8 7.0 10.4



#28

Fluoranthene

Concen: 1.598 ng

RT: 19.003 min Scan# 1948

Delta R.T. 0.000 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

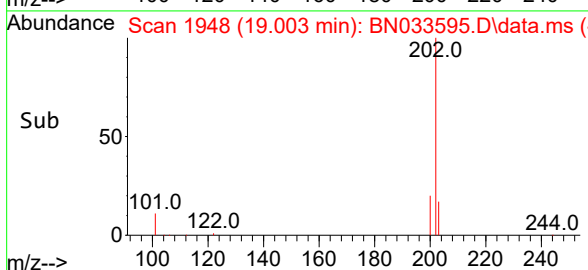
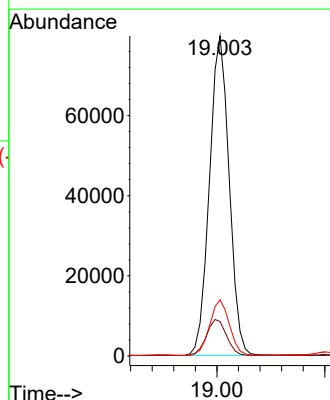
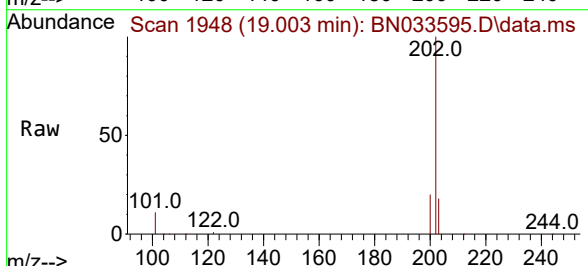
Tgt Ion:202 Resp: 101100

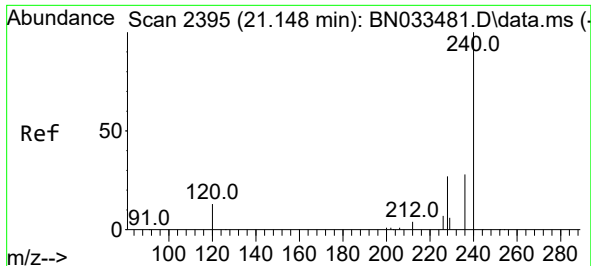
Ion Ratio Lower Upper

202 100

101 11.5 9.5 14.3

203 17.3 13.8 20.6

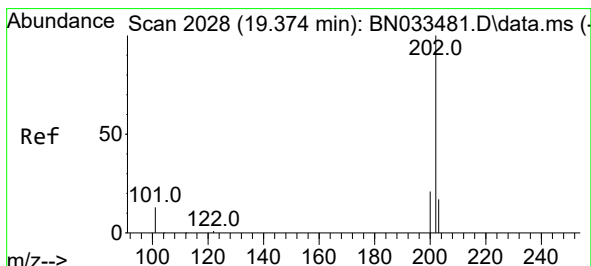
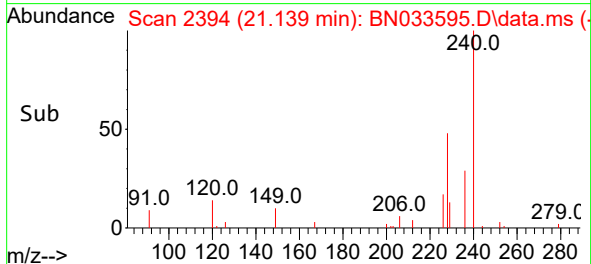
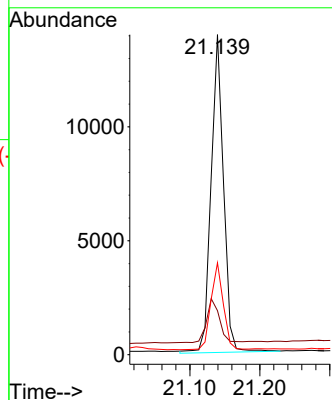
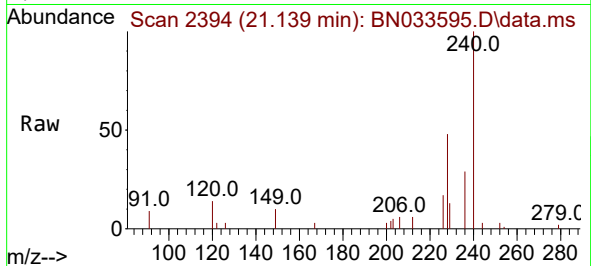




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

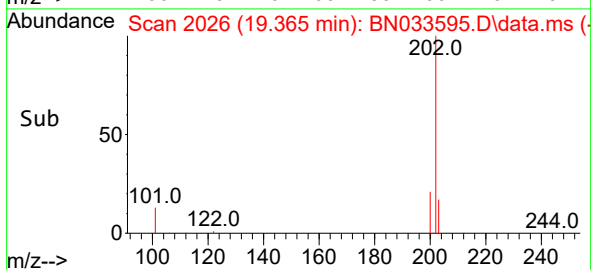
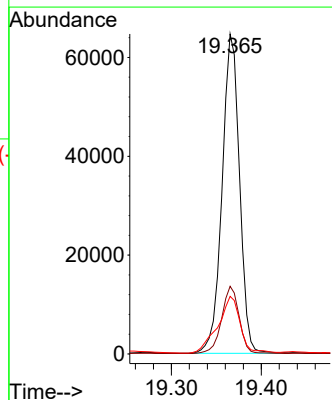
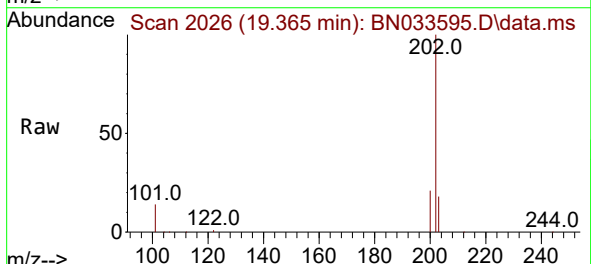
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924DL

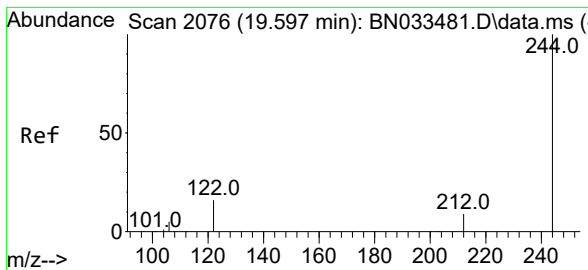
Tgt Ion:240 Resp: 17216
Ion Ratio Lower Upper
240 100
120 13.8 12.4 18.6
236 28.7 23.0 34.6



#30
Pyrene
Concen: 1.129 ng
RT: 19.365 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

Tgt Ion:202 Resp: 86720
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 22.5 14.2 21.4#

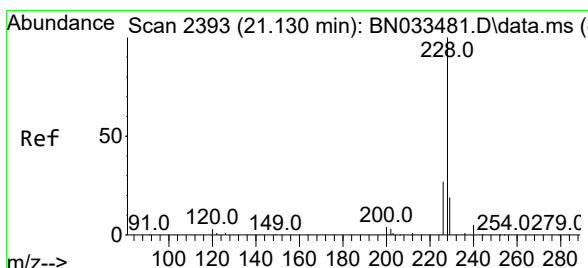
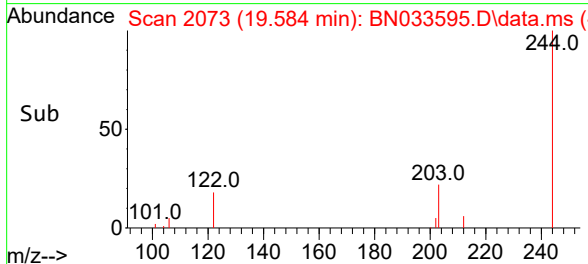
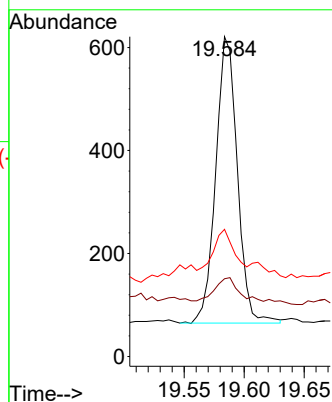
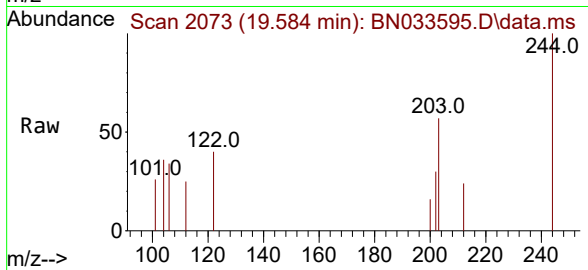




#31
 Terphenyl-d14
 Concen: 0.018 ng
 RT: 19.584 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: BN033595.D
 Acq: 23 Aug 2024 18:23

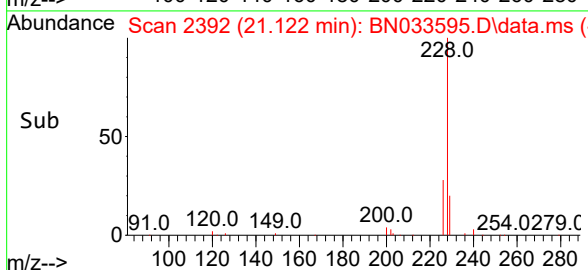
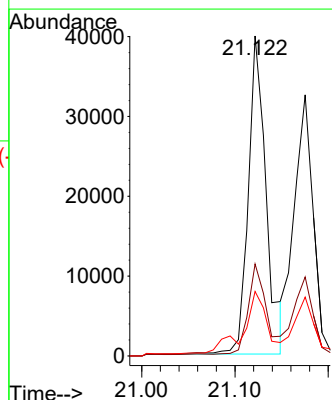
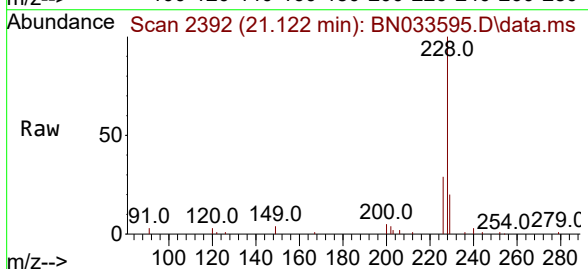
Instrument :
 BNA_N
 ClientSampleId :
 S-905-J-SO-0-0.5-081924DL

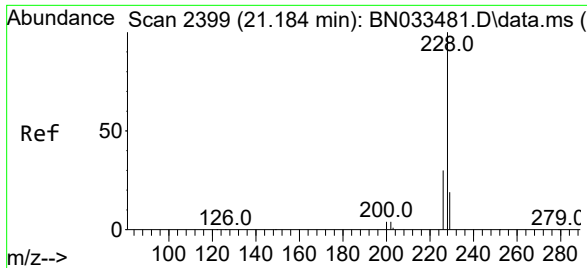
Tgt Ion:	244	Resp:	698
Ion Ratio	Lower	Upper	
244	100		
212	24.3	7.8	11.6#
122	39.8	13.3	19.9#



#32
 Benzo(a)anthracene
 Concen: 0.853 ng
 RT: 21.122 min Scan# 2392
 Delta R.T. 0.000 min
 Lab File: BN033595.D
 Acq: 23 Aug 2024 18:23

Tgt Ion:	228	Resp:	53076
Ion Ratio	Lower	Upper	
228	100		
226	28.7	21.8	32.6
229	20.2	15.8	23.6

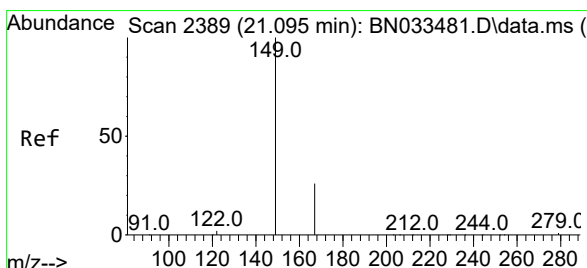
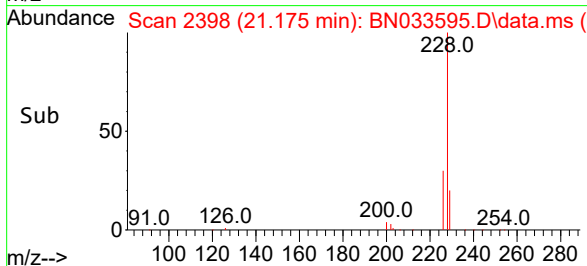
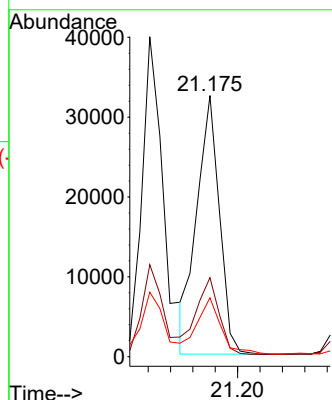
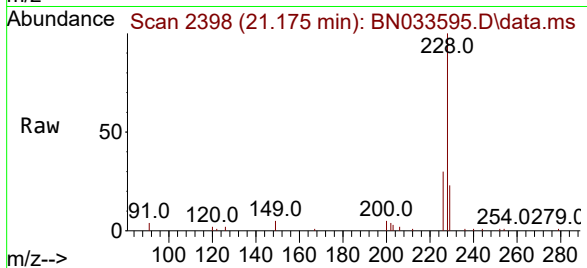




#33
Chrysene
Concen: 0.735 ng
RT: 21.175 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

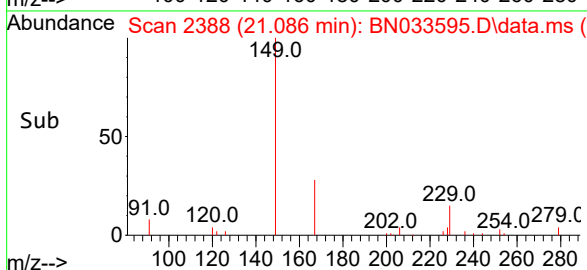
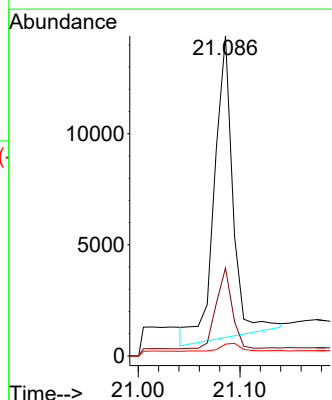
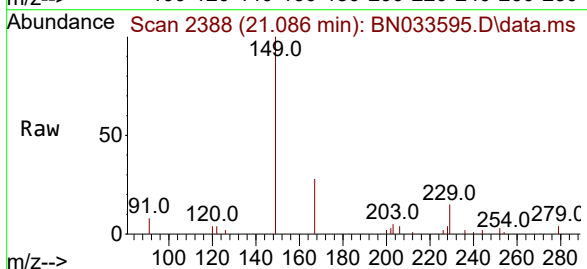
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924DL

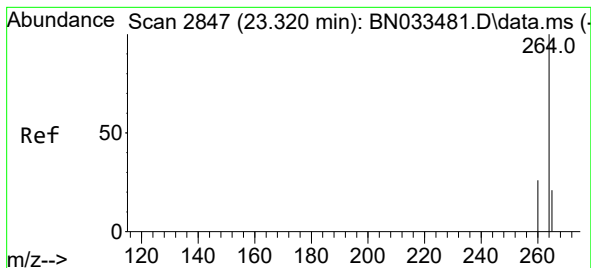
Tgt Ion:228 Resp: 45494
Ion Ratio Lower Upper
228 100
226 30.3 23.8 35.8
229 22.5 15.6 23.4



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.438 ng
RT: 21.086 min Scan# 2388
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

Tgt Ion:149 Resp: 17264
Ion Ratio Lower Upper
149 100
167 25.7 21.5 32.3
279 3.8 2.2 3.2#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.306 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN033595.D

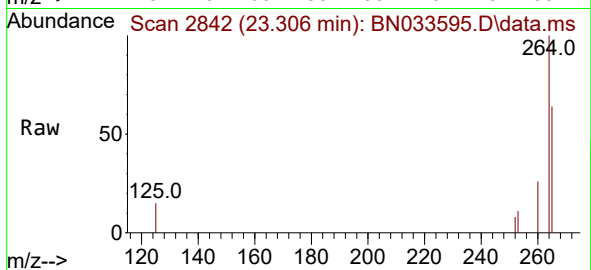
Acq: 23 Aug 2024 18:23

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924DL



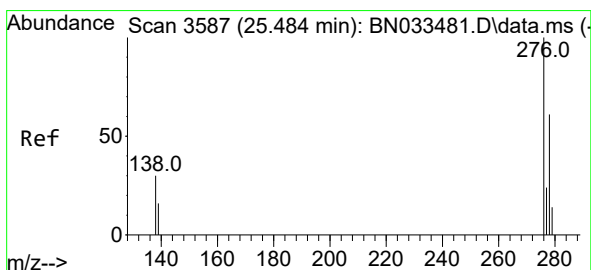
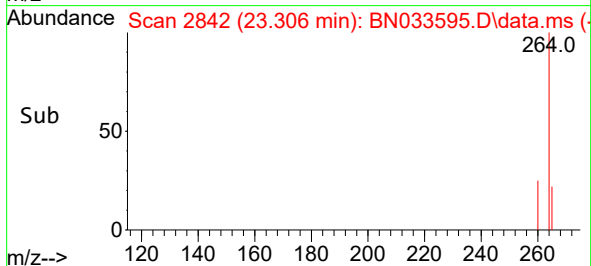
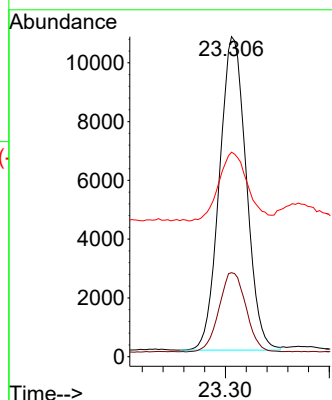
Tgt Ion:264 Resp: 19106

Ion Ratio Lower Upper

264 100

260 26.3 20.8 31.2

265 63.9 52.2 78.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.438 ng

RT: 25.455 min Scan# 3577

Delta R.T. 0.006 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

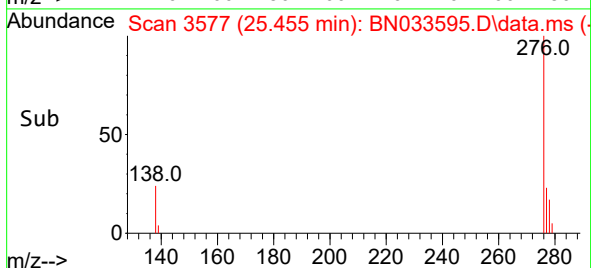
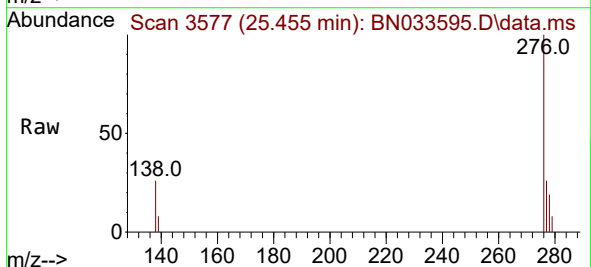
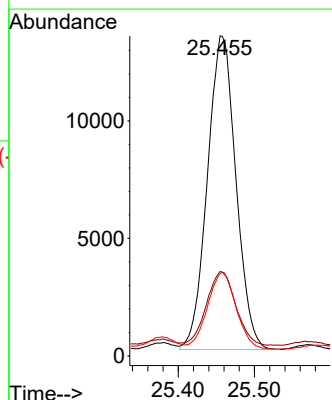
Tgt Ion:276 Resp: 34740

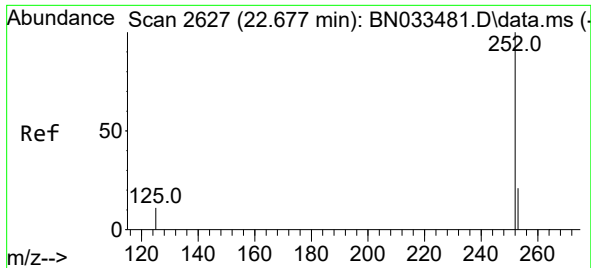
Ion Ratio Lower Upper

276 100

138 23.9 24.4 36.6#

277 24.7 19.8 29.6

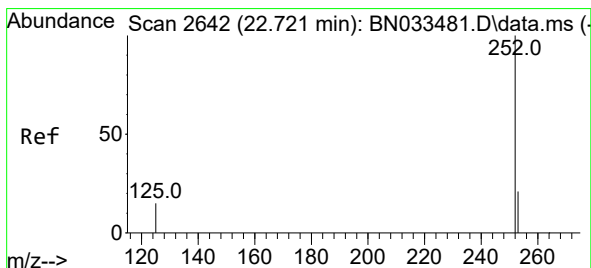
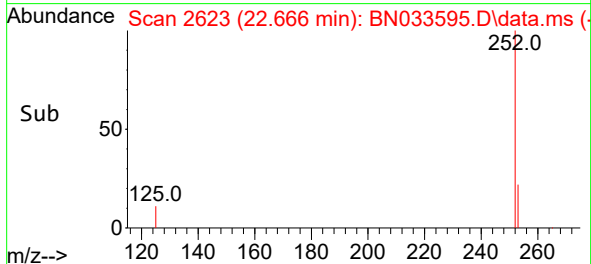
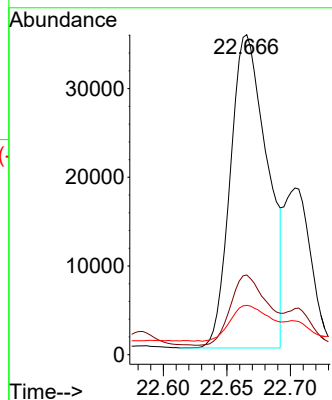
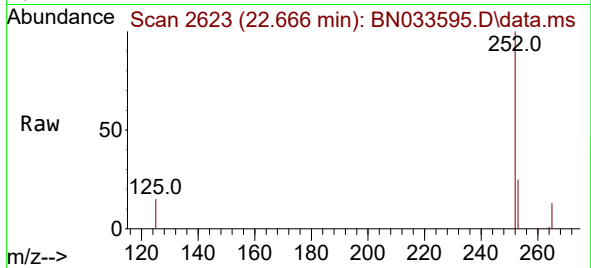




#37
Benzo(b)fluoranthene
Concen: 0.999 ng
RT: 22.666 min Scan# 2623
Delta R.T. 0.006 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

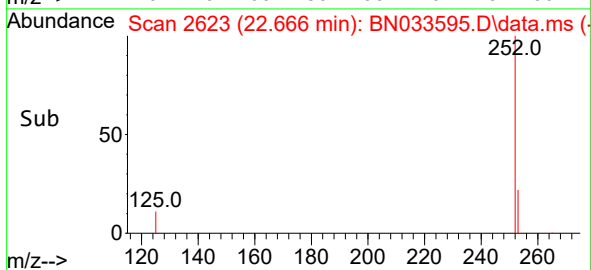
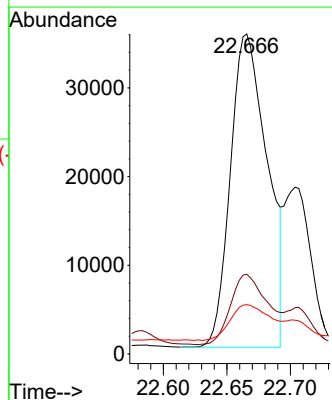
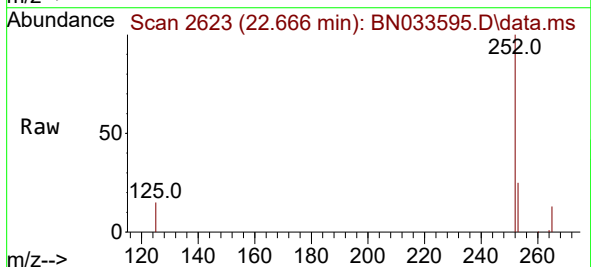
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924DL

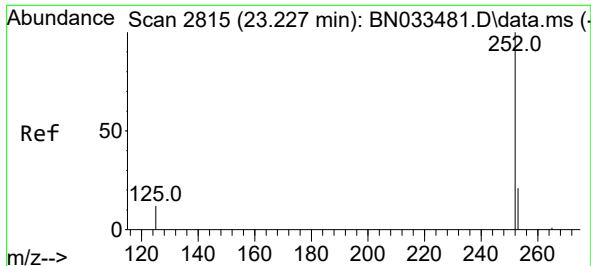
Tgt Ion:252 Resp: 71247
Ion Ratio Lower Upper
252 100
253 24.9 19.8 29.8
125 15.4 13.9 20.9



#38
Benzo(k)fluoranthene
Concen: 1.015 ng
RT: 22.666 min Scan# 2623
Delta R.T. -0.038 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

Tgt Ion:252 Resp: 71247
Ion Ratio Lower Upper
252 100
253 24.9 19.8 29.8
125 15.4 15.8 23.8#





#39

Benzo(a)pyrene

Concen: 0.862 ng

RT: 23.212 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924DL

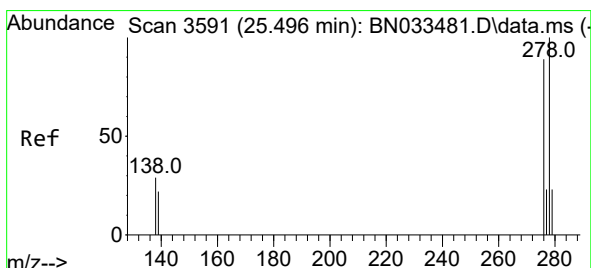
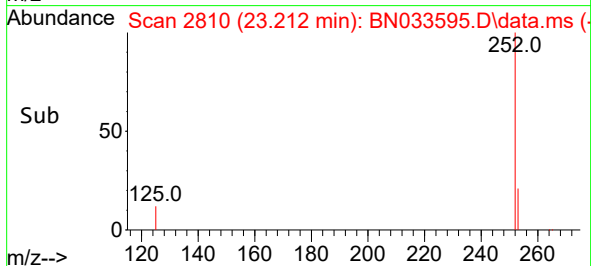
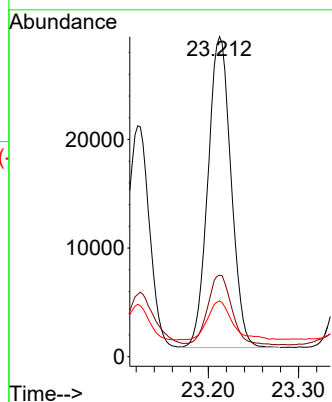
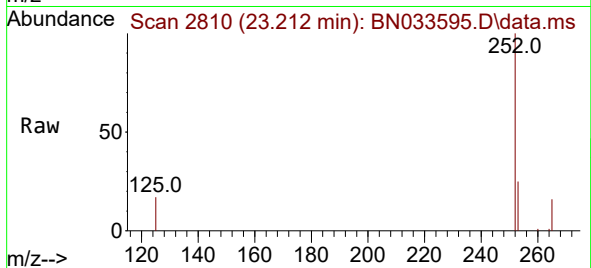
Tgt Ion:252 Resp: 50880

Ion Ratio Lower Upper

252 100

253 25.4 21.5 32.3

125 17.4 17.0 25.4



#40

Dibenzo(a,h)anthracene

Concen: 0.132 ng

RT: 25.464 min Scan# 3580

Delta R.T. -0.006 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

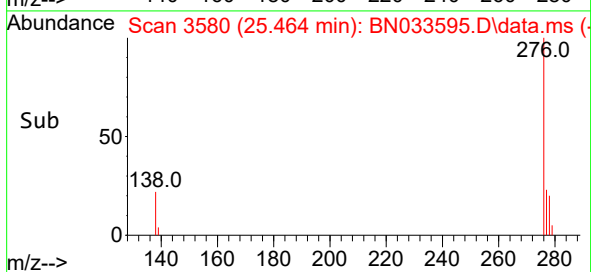
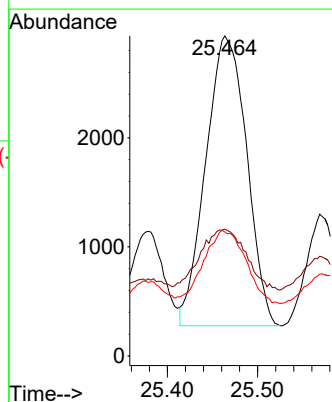
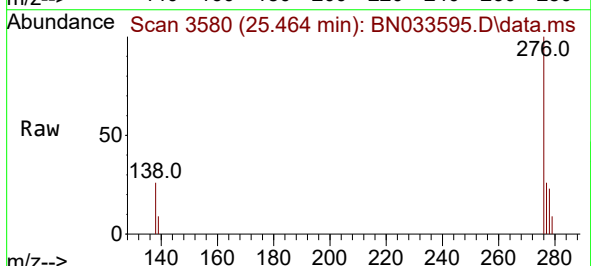
Tgt Ion:278 Resp: 8366

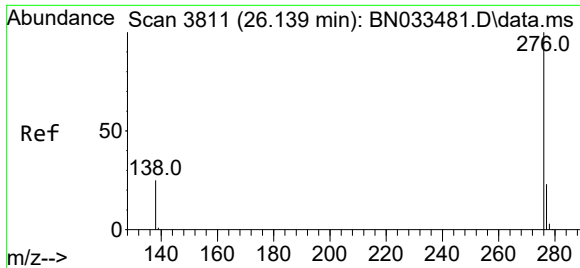
Ion Ratio Lower Upper

278 100

139 39.6 19.1 28.7#

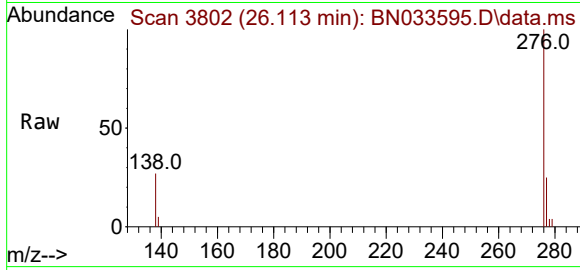
279 38.8 21.0 31.4#





#41
Benzo(g,h,i)perylene
Concen: 0.495 ng
RT: 26.113 min Scan# 3811
Delta R.T. 0.009 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924DL



Tgt Ion:	276	Resp:	33549
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.7	29.5
138	26.8	21.8	32.6

