

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033567.D
 Acq On : 23 Aug 2024 00:28
 Operator : MA/JU
 Sample : P3671-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-911-KI-SO-0-0.5-081924

Quant Time: Aug 23 01:36:03 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)

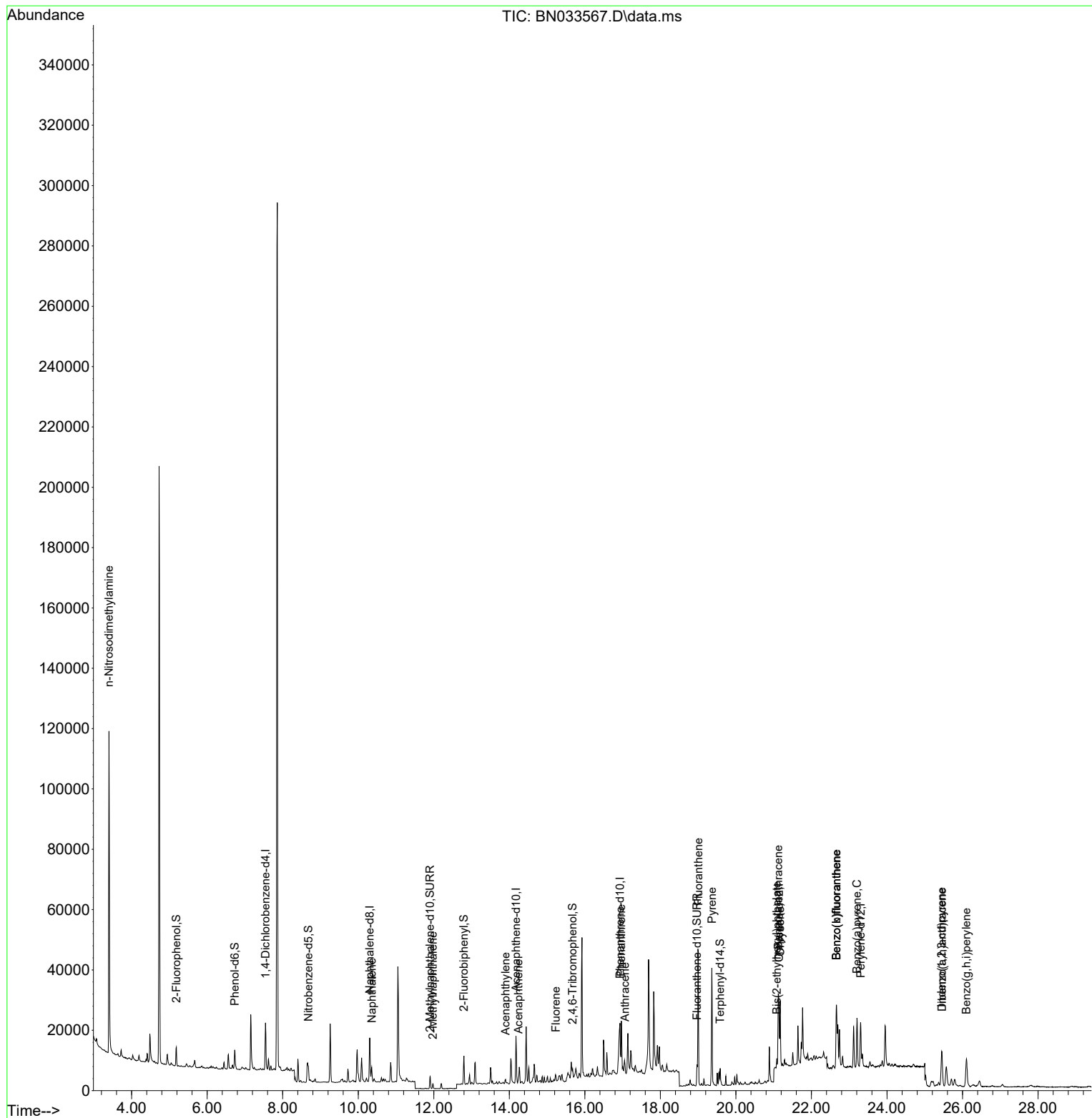
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	7027	0.400	ng	0.00
7) Naphthalene-d8	10.303	136	17952	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	8336	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	17399	0.400	ng	# 0.00
29) Chrysene-d12	21.139	240	14980	0.400	ng	# 0.00
35) Perylene-d12	23.303	264	17231	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4606	0.206	ng	0.00
5) Phenol-d6	6.729	99	5376	0.202	ng	0.00
8) Nitrobenzene-d5	8.681	82	4363	0.293	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	5407	0.211	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	882	0.197	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	7139	0.210	ng	0.00
27) Fluoranthene-d10	18.970	212	7439	0.178	ng	0.00
31) Terphenyl-d14	19.583	244	4915	0.144	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.399	42	12694	1.350	ng	# 1
9) Naphthalene	10.357	128	1549	0.032	ng	# 81
12) 2-Methylnaphthalene	11.979	142	1168	0.038	ng	# 91
16) Acenaphthylene	13.900	152	1378	0.038	ng	95
17) Acenaphthene	14.242	154	587	0.023	ng	# 91
18) Fluorene	15.236	166	1963	0.061	ng	# 40
25) Phenanthrene	16.966	178	16815	0.347	ng	98
26) Anthracene	17.066	178	2508	0.059	ng	# 87
28) Fluoranthene	19.003	202	40078	0.749	ng	100
30) Pyrene	19.365	202	35327	0.528	ng	# 95
32) Benzo(a)anthracene	21.121	228	16542	0.305	ng	95
33) Chrysene	21.175	228	22138	0.411	ng	97
34) Bis(2-ethylhexyl)phtha...	21.085	149	10503	0.306	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.449	276	16797	0.235	ng	97
37) Benzo(b)fluoranthene	22.662	252	32758	0.509	ng	95
38) Benzo(k)fluoranthene	22.662	252	32758	0.517	ng	97
39) Benzo(a)pyrene	23.206	252	20599	0.387	ng	96
40) Dibenzo(a,h)anthracene	25.460	278	3867	0.068	ng	# 56
41) Benzo(g,h,i)perylene	26.104	276	17089	0.279	ng	95

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

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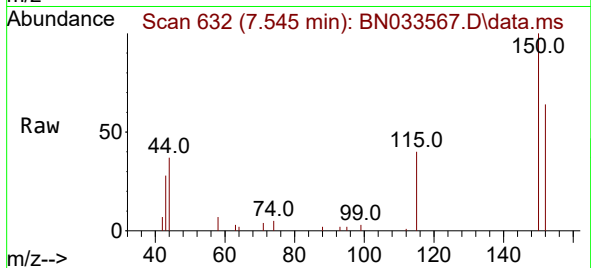
Quant Time: Aug 23 01:36:03 2024
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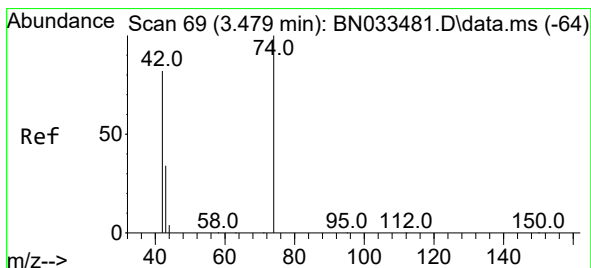
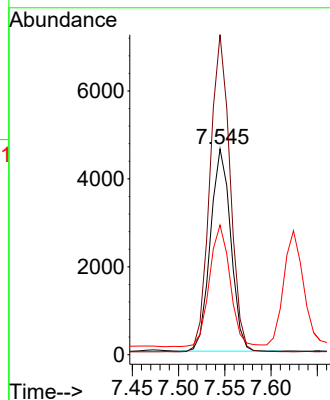
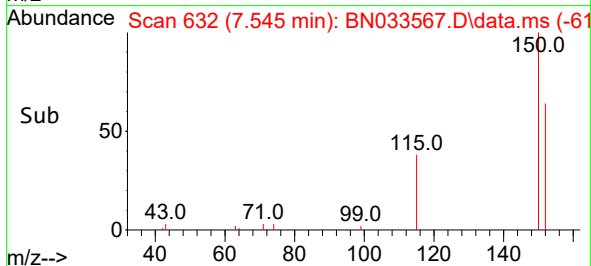


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

Instrument :
BNA_N
ClientSampleId :
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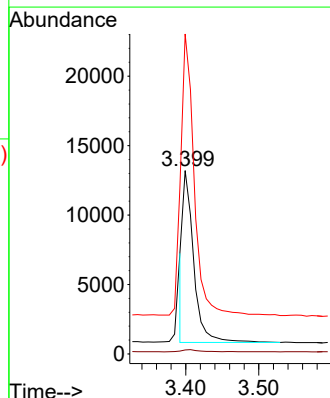
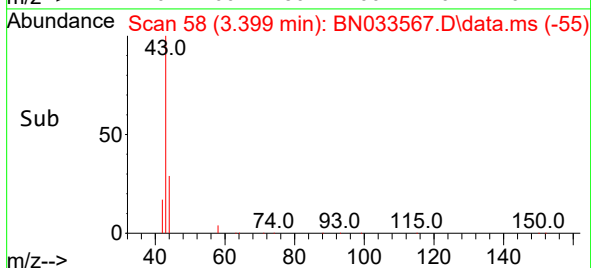
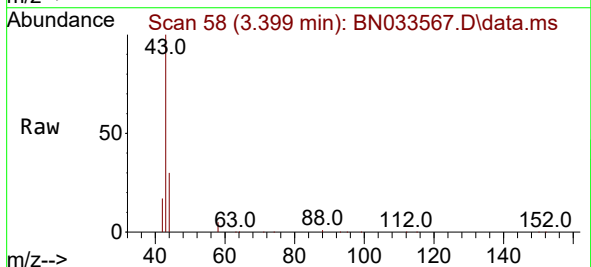


Tgt Ion:152 Resp: 7027
Ion Ratio Lower Upper
152 100
150 155.6 122.2 183.2
115 63.0 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 1.350 ng
RT: 3.399 min Scan# 58
Delta R.T. -0.080 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

Tgt Ion: 42 Resp: 12694
Ion Ratio Lower Upper
42 100
74 1.8 100.2 150.2#
44 171.8 5.3 7.9#

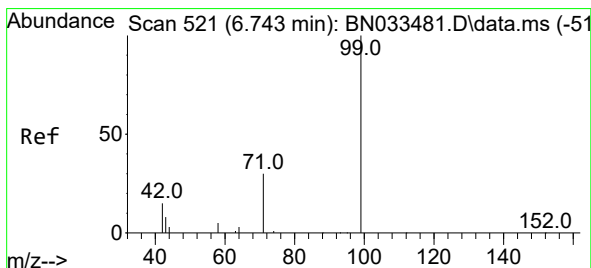
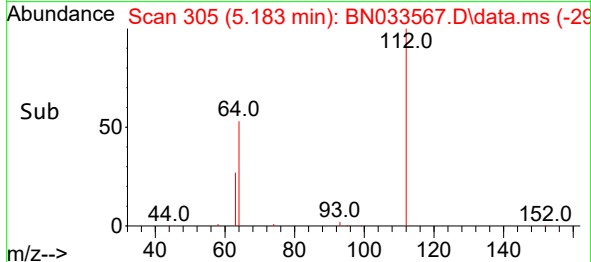
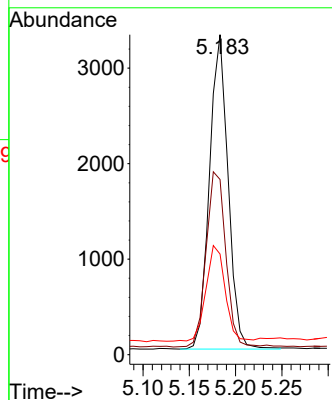
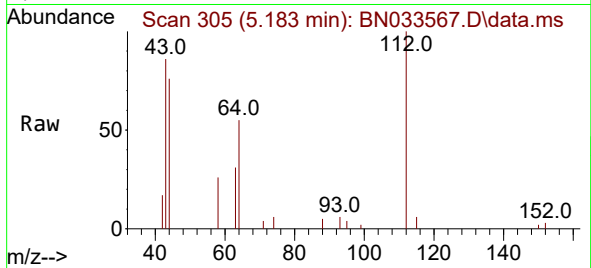




#4
2-Fluorophenol
Concen: 0.206 ng
RT: 5.183 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

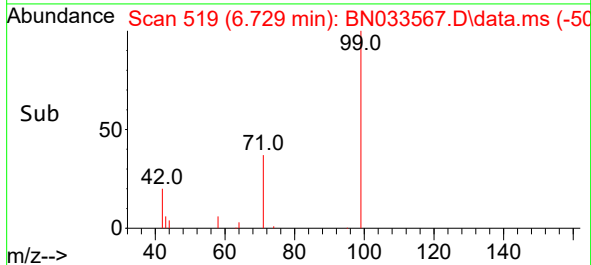
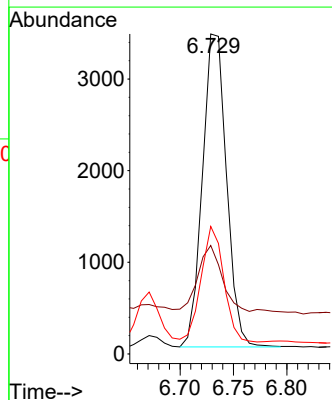
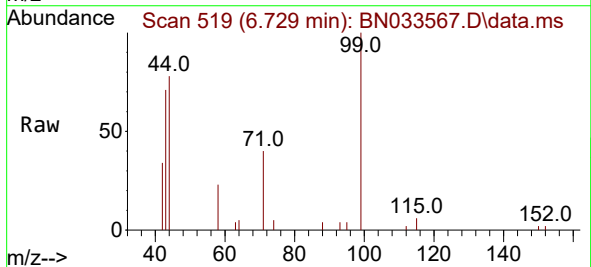
Instrument :
BNA_N
ClientSampleId :
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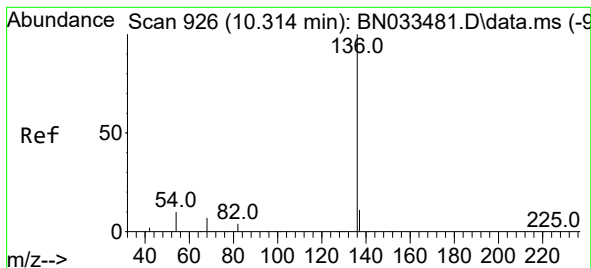
Tgt Ion:112 Resp: 4606
Ion Ratio Lower Upper
112 100
64 59.2 47.1 70.7
63 31.3 24.9 37.3



#5
Phenol-d6
Concen: 0.202 ng
RT: 6.729 min Scan# 519
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

Tgt Ion: 99 Resp: 5376
Ion Ratio Lower Upper
99 100
42 22.1 16.6 24.8
71 35.0 26.2 39.4





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.303 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

Instrument :

BNA_N

ClientSampleId :

S-911-KI-SO-0-0.5-081924

Tgt Ion:136 Resp: 17952

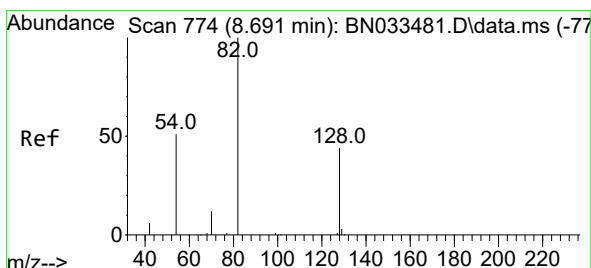
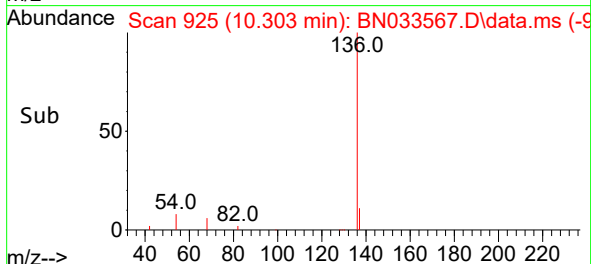
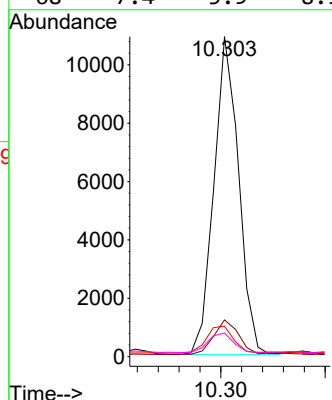
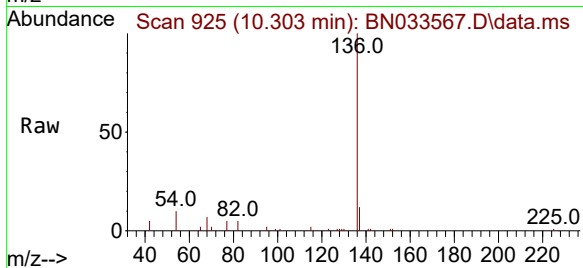
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 9.5 8.3 12.5

68 7.4 5.9 8.9



#8

Nitrobenzene-d5

Concen: 0.293 ng

RT: 8.681 min Scan# 773

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

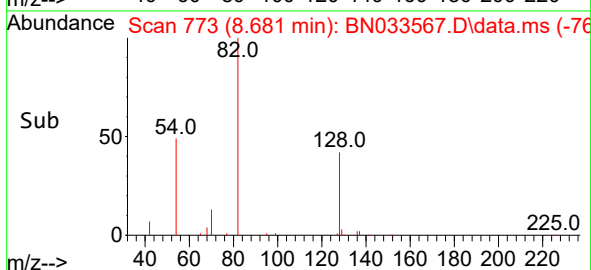
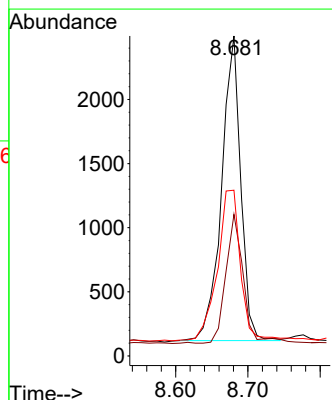
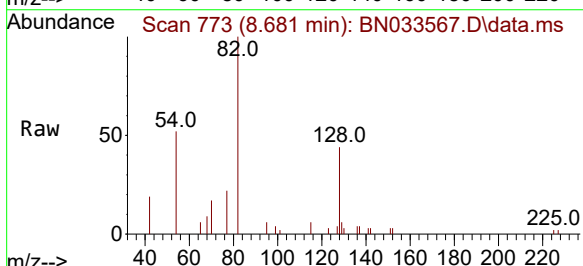
Tgt Ion: 82 Resp: 4363

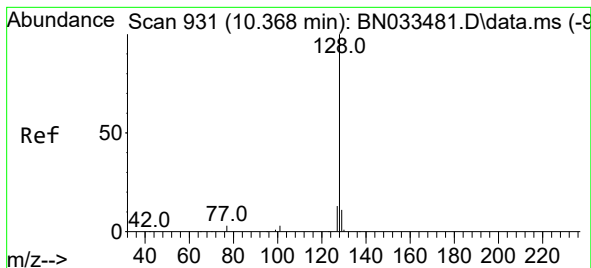
Ion Ratio Lower Upper

82 100

128 44.2 36.0 54.0

54 51.8 42.0 63.0





#9

Naphthalene

Concen: 0.032 ng

RT: 10.357 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

Instrument :

BNA_N

ClientSampleId :

S-911-KI-SO-0-0.5-081924

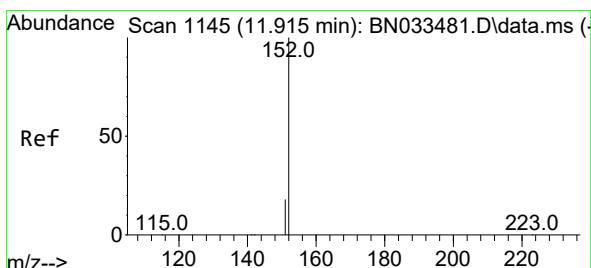
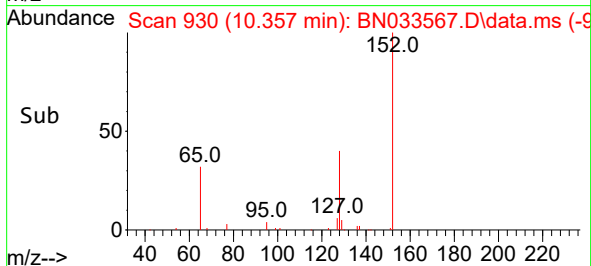
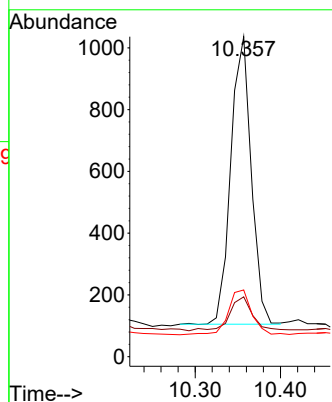
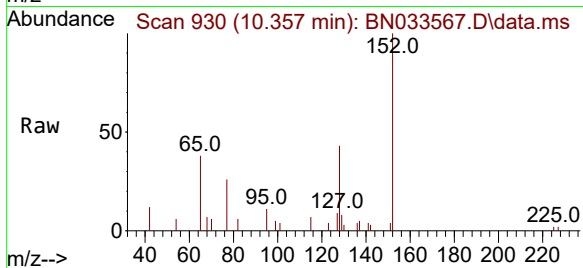
Tgt Ion:128 Resp: 1549

Ion Ratio Lower Upper

128 100

129 18.7 9.1 13.7#

127 20.8 10.7 16.1#



#11

2-Methylnaphthalene-d10

Concen: 0.211 ng

RT: 11.903 min Scan# 1142

Delta R.T. -0.000 min

Lab File: BN033567.D

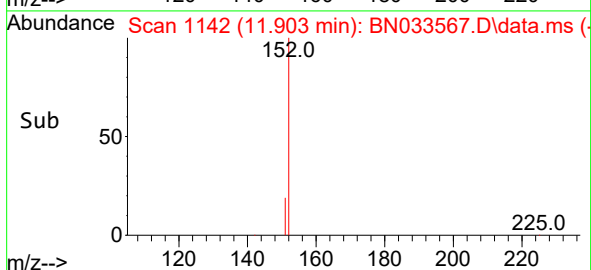
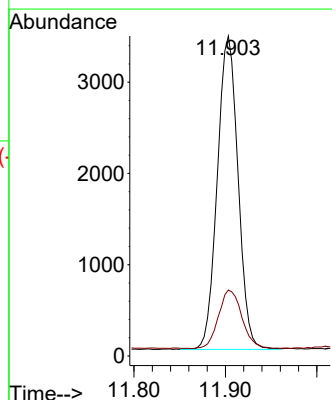
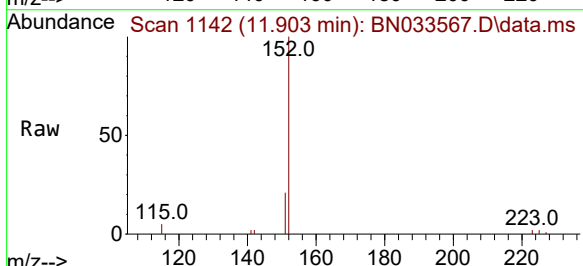
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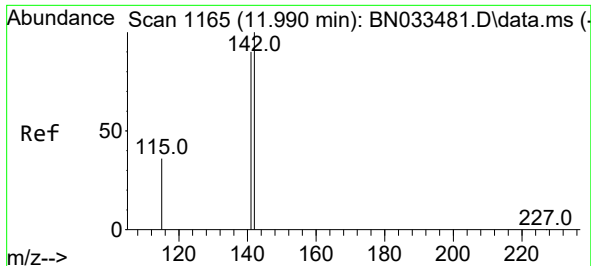
Tgt Ion:152 Resp: 5407

Ion Ratio Lower Upper

152 100

151 20.9 16.6 25.0

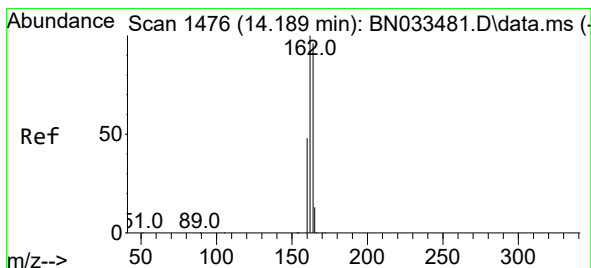
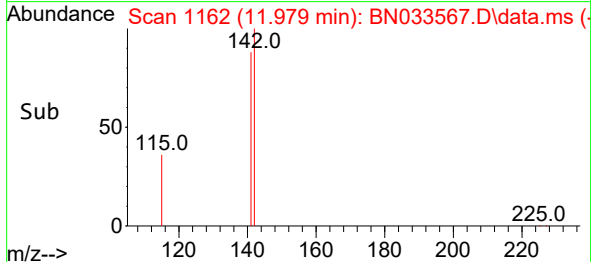
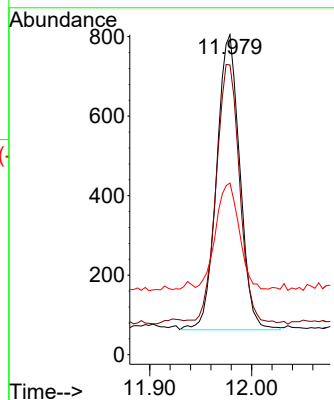
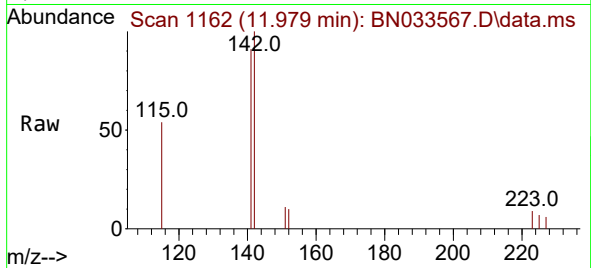




#12
2-Methylnaphthalene
Concen: 0.038 ng
RT: 11.979 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

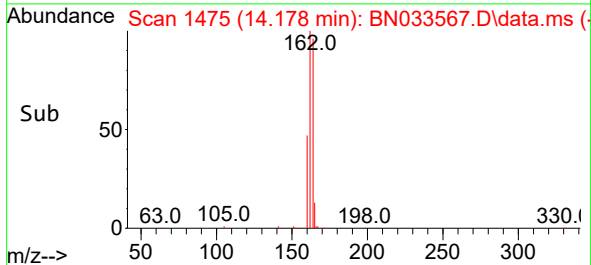
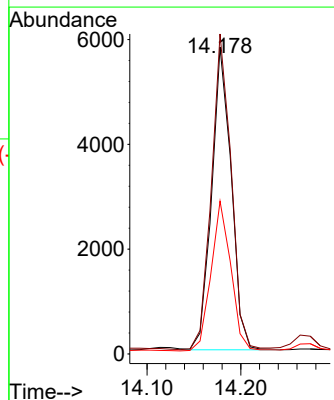
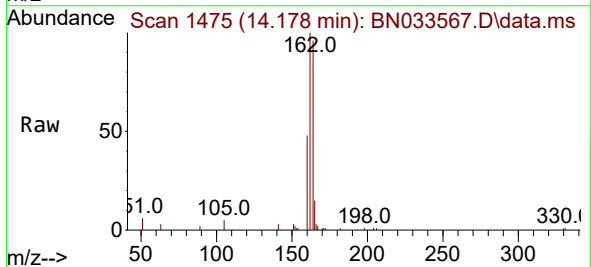
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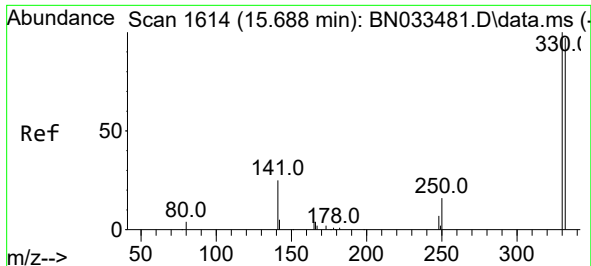
Tgt Ion:142 Resp: 1168
Ion Ratio Lower Upper
142 100
141 90.6 71.7 107.5
115 53.7 29.4 44.2#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

Tgt Ion:164 Resp: 8336
Ion Ratio Lower Upper
164 100
162 104.3 83.5 125.3
160 49.8 40.2 60.4

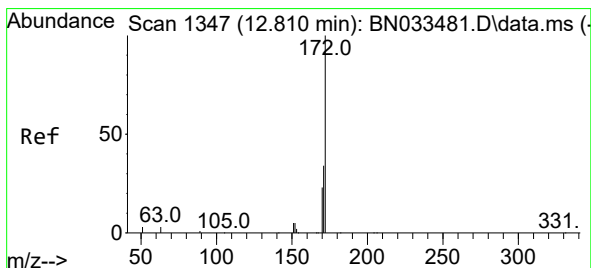
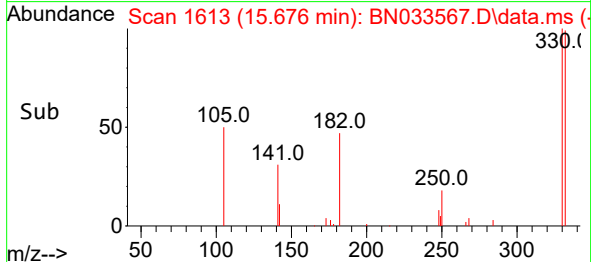
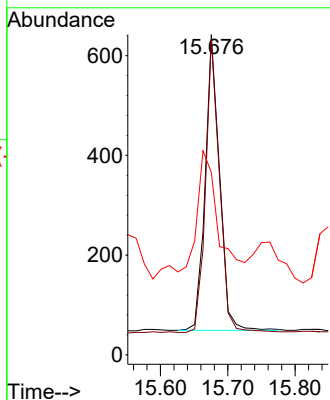
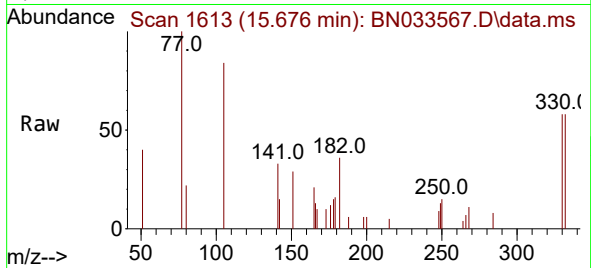




#14
2,4,6-Tribromophenol
Concen: 0.197 ng
RT: 15.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

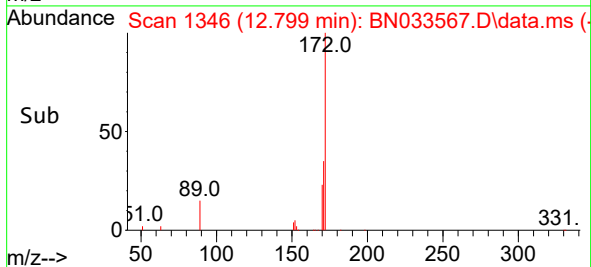
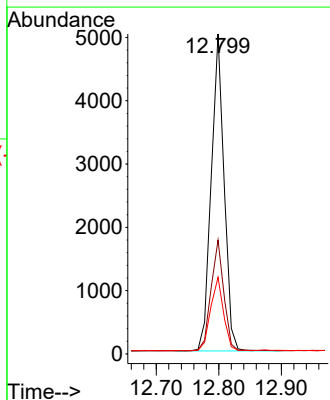
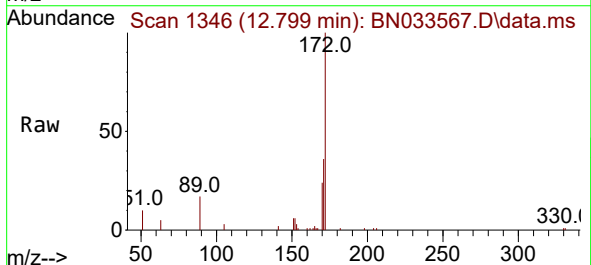
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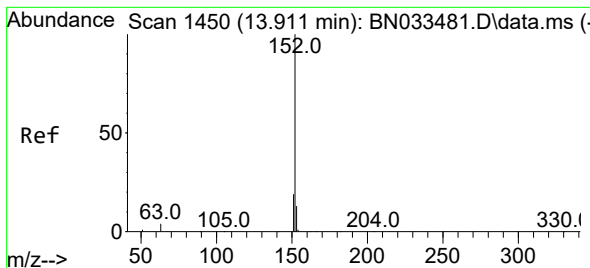
Tgt Ion:330 Resp: 882
Ion Ratio Lower Upper
330 100
332 95.6 77.5 116.3
141 51.5 33.9 50.9#



#15
2-Fluorobiphenyl
Concen: 0.210 ng
RT: 12.799 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

Tgt Ion:172 Resp: 7139
Ion Ratio Lower Upper
172 100
171 35.6 27.7 41.5
170 24.0 18.3 27.5





#16

Acenaphthylene

Concen: 0.038 ng

RT: 13.900 min Scan# 1449

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

Instrument :

BNA_N

ClientSampleId :

S-911-KI-SO-0-0.5-081924

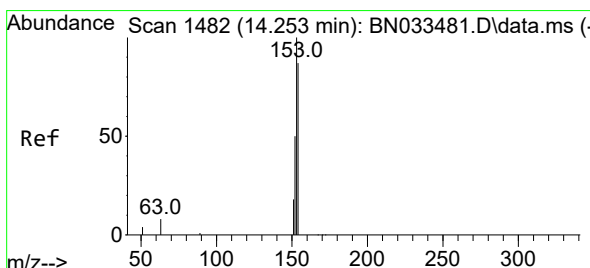
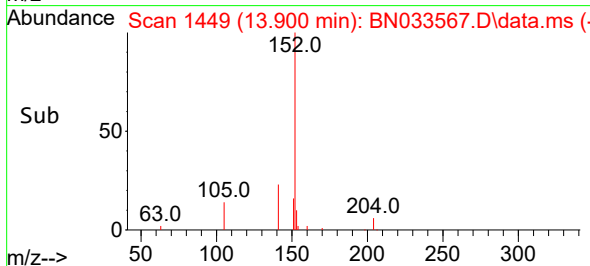
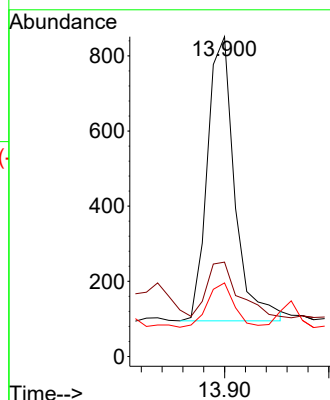
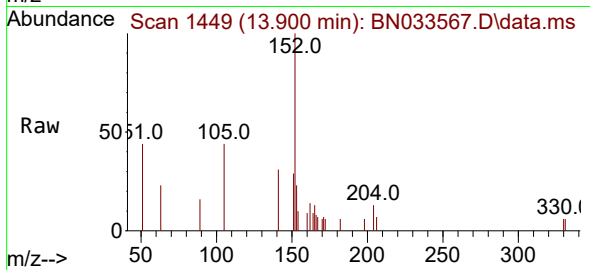
Tgt Ion:152 Resp: 1378

Ion Ratio Lower Upper

152 100

151 21.3 15.7 23.5

153 15.2 10.3 15.5



#17

Acenaphthene

Concen: 0.023 ng

RT: 14.242 min Scan# 1481

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

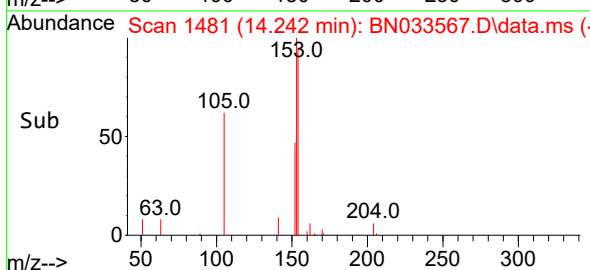
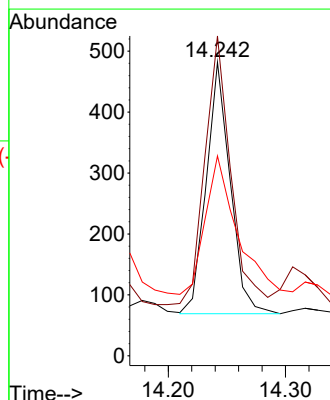
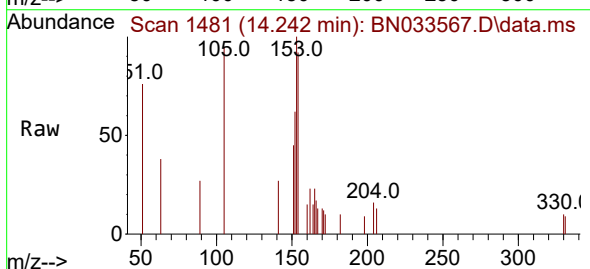
Tgt Ion:154 Resp: 587

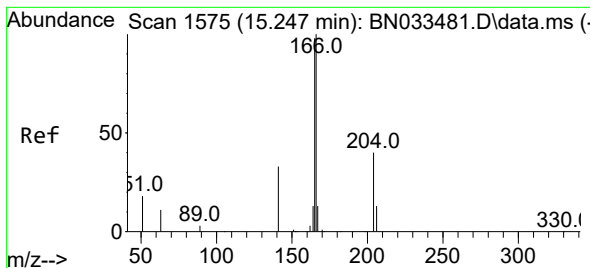
Ion Ratio Lower Upper

154 100

153 114.1 89.0 133.6

152 72.4 45.2 67.8#





#18

Fluorene

Concen: 0.061 ng

RT: 15.236 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN033567.D

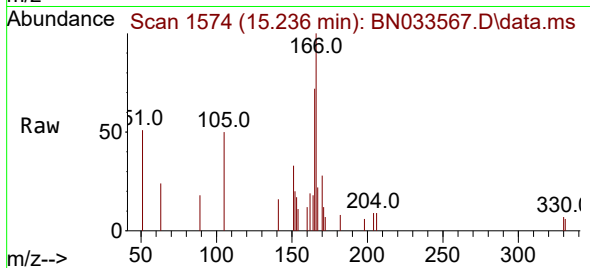
Acq: 23 Aug 2024 00:28

Instrument :

BNA_N

ClientSampleId :

S-911-KI-SO-0-0.5-081924



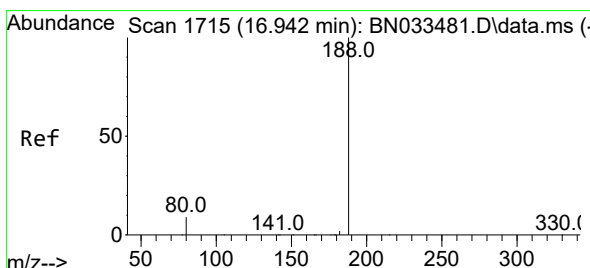
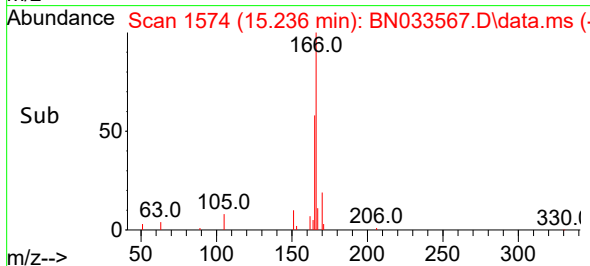
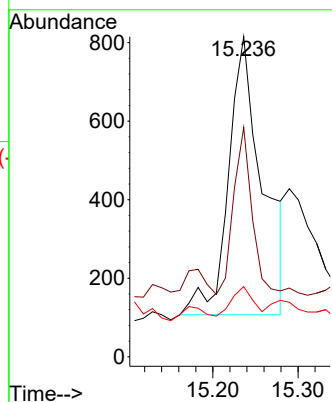
Tgt Ion:166 Resp: 1963

Ion Ratio Lower Upper

166 100

165 32.3 78.2 117.4#

167 6.4 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: BN033567.D

Acq: 23 Aug 2024 00:28

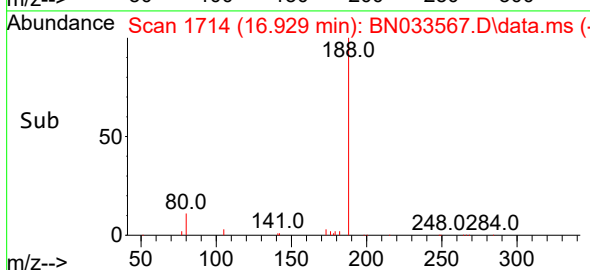
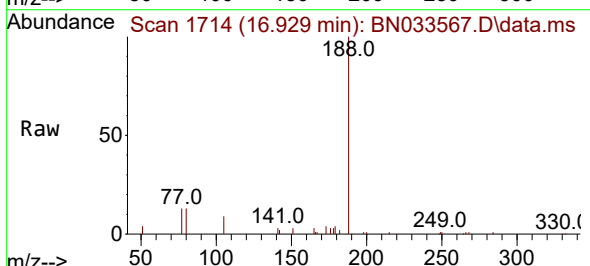
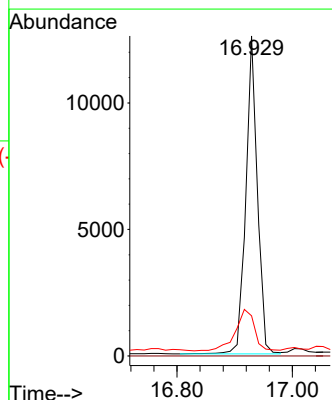
Tgt Ion:188 Resp: 17399

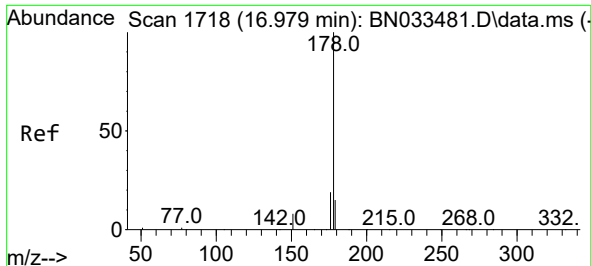
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.5 7.8 11.8#

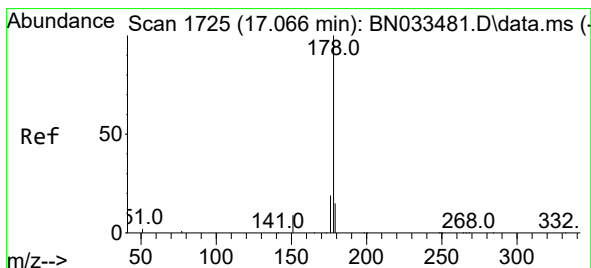
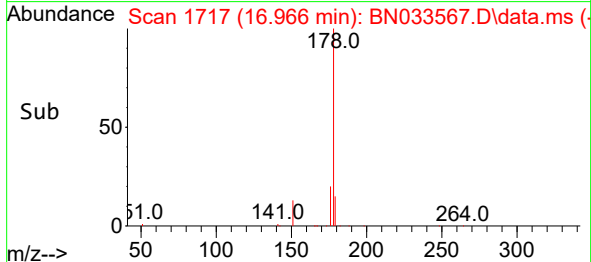
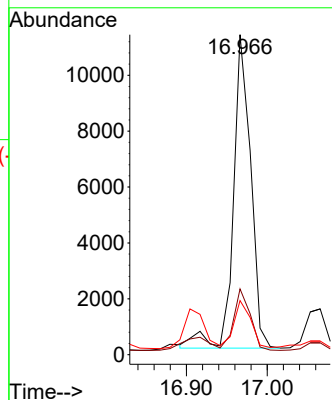
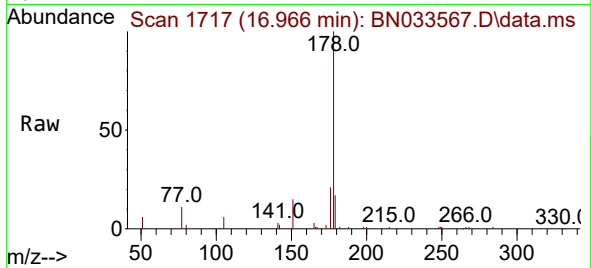




#25
Phenanthrene
Concen: 0.347 ng
RT: 16.966 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

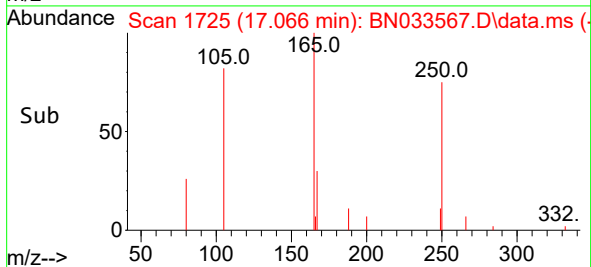
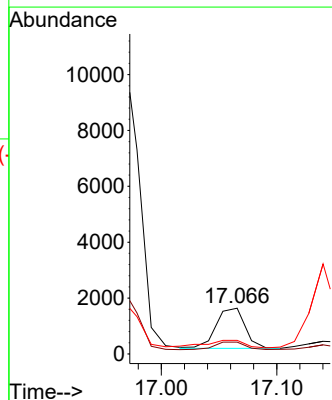
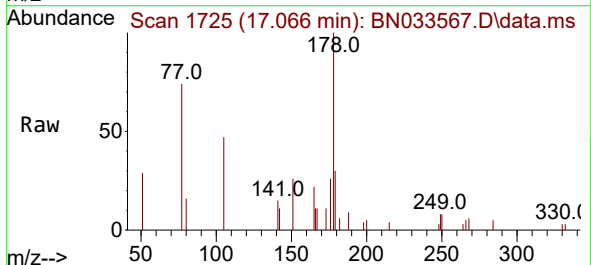
Instrument :
BNA_N
ClientSampleId :
S-911-KI-SO-0-0.5-081924

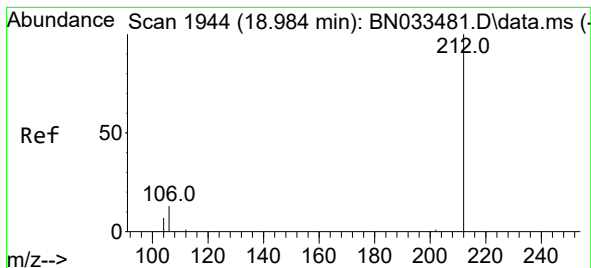
Tgt Ion:178 Resp: 16815
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 14.3 12.3 18.5



#26
Anthracene
Concen: 0.059 ng
RT: 17.066 min Scan# 1725
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

Tgt Ion:178 Resp: 2508
Ion Ratio Lower Upper
178 100
176 19.7 15.0 22.6
179 26.8 12.4 18.6#





#27

Fluoranthene-d10

Concen: 0.178 ng

RT: 18.970 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

Instrument :

BNA_N

ClientSampleId :

S-911-KI-SO-0-0.5-081924

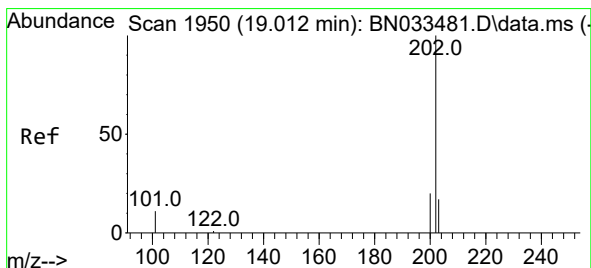
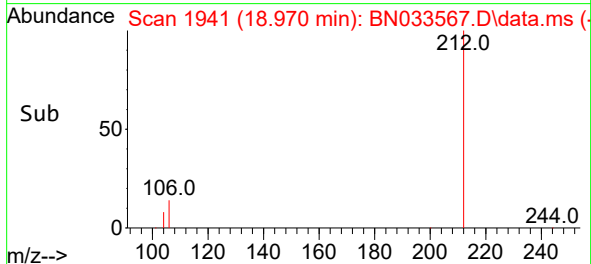
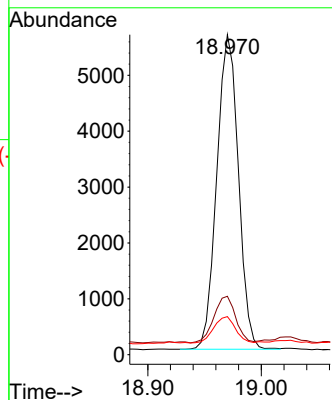
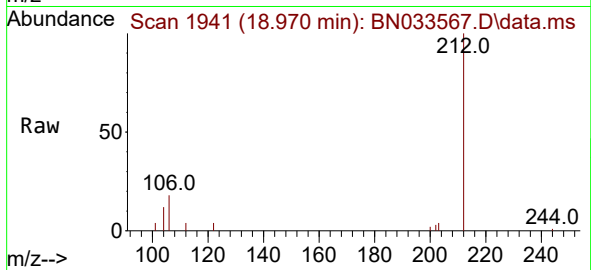
Tgt Ion:212 Resp: 7439

Ion Ratio Lower Upper

212 100

106 14.9 12.3 18.5

104 8.8 7.0 10.4



#28

Fluoranthene

Concen: 0.749 ng

RT: 19.003 min Scan# 1948

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

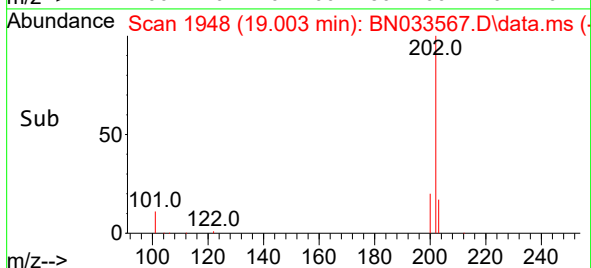
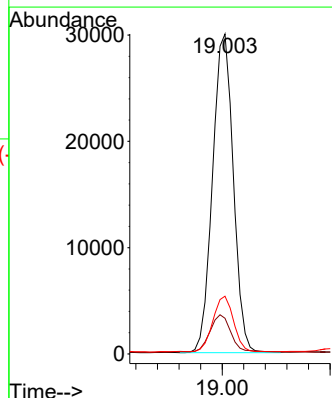
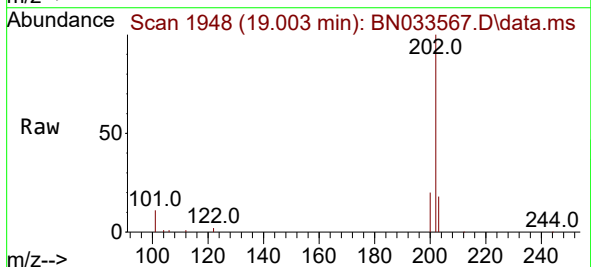
Tgt Ion:202 Resp: 40078

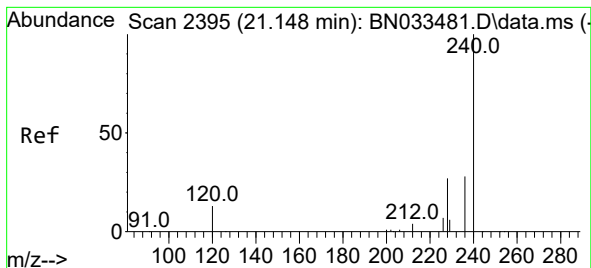
Ion Ratio Lower Upper

202 100

101 12.0 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: BN033567.D

Acq: 23 Aug 2024 00:28

Instrument :

BNA_N

ClientSampleId :

S-911-KI-SO-0-0.5-081924

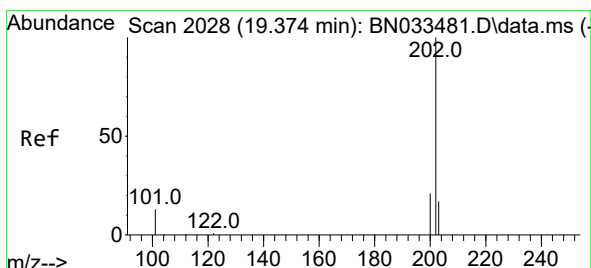
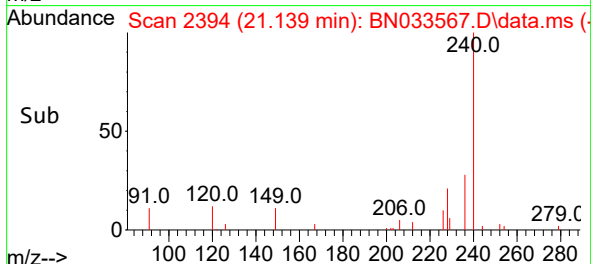
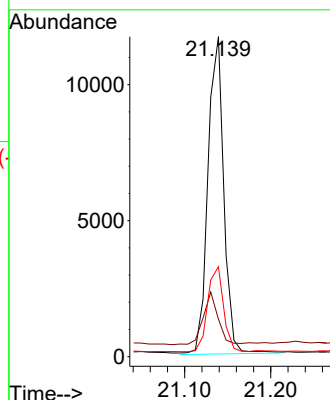
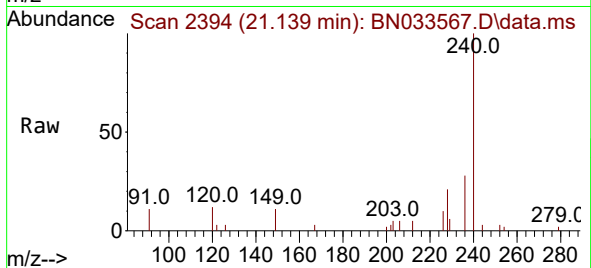
Tgt Ion:240 Resp: 14980

Ion Ratio Lower Upper

240 100

120 11.7 12.4 18.6#

236 28.1 23.0 34.6



#30

Pyrene

Concen: 0.528 ng

RT: 19.365 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

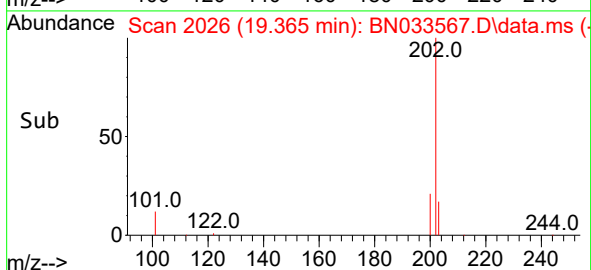
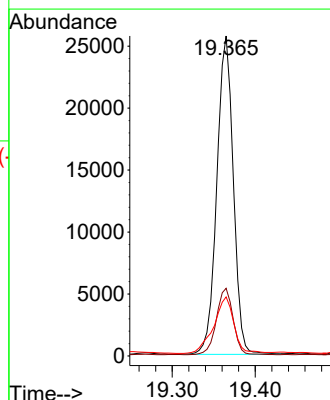
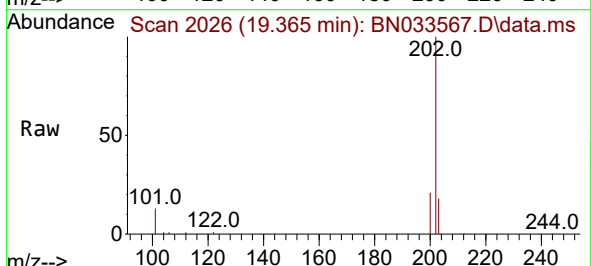
Tgt Ion:202 Resp: 35327

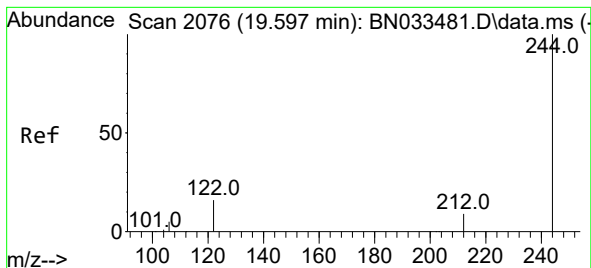
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 21.8 14.2 21.4#





#31

Terphenyl-d14

Concen: 0.144 ng

RT: 19.583 min Scan# 2076

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

Instrument :

BNA_N

ClientSampleId :

S-911-KI-SO-0-0.5-081924

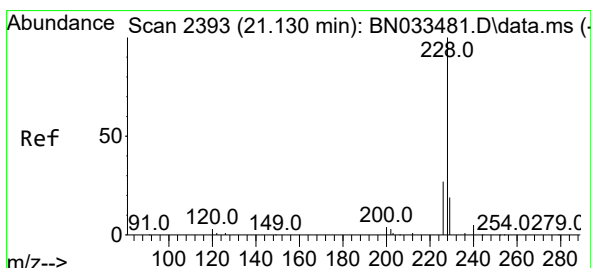
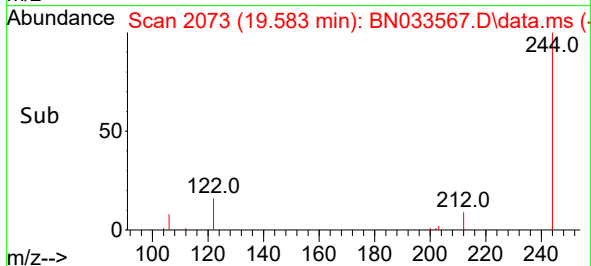
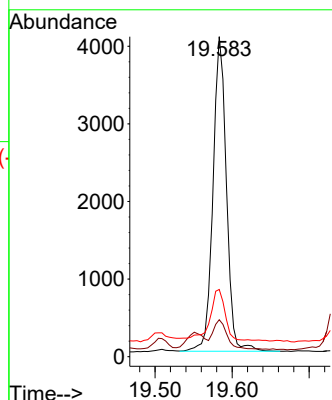
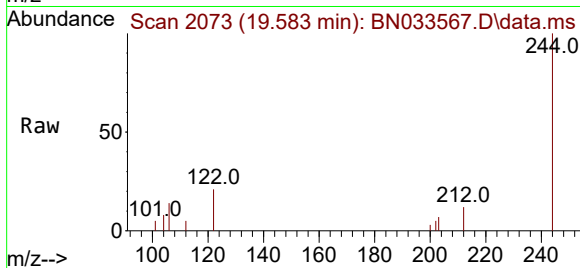
Tgt Ion:244 Resp: 4915

Ion Ratio Lower Upper

244 100

212 11.5 7.8 11.6

122 21.0 13.3 19.9#



#32

Benzo(a)anthracene

Concen: 0.305 ng

RT: 21.121 min Scan# 2392

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

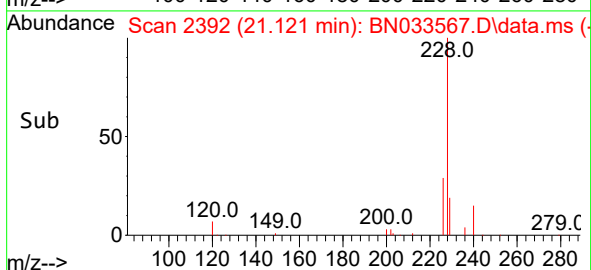
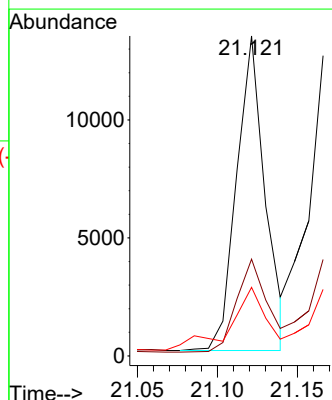
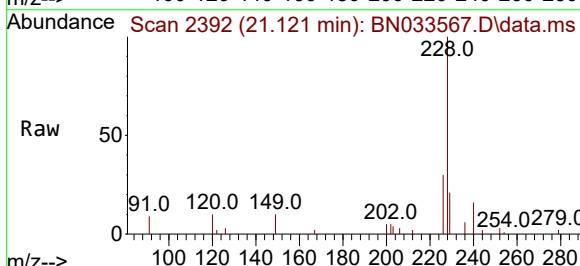
Tgt Ion:228 Resp: 16542

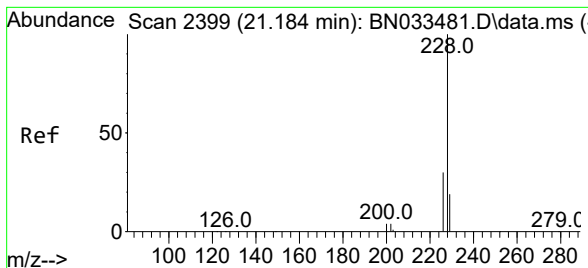
Ion Ratio Lower Upper

228 100

226 30.3 21.8 32.6

229 21.5 15.8 23.6





#33

Chrysene

Concen: 0.411 ng

RT: 21.175 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

Instrument :

BNA_N

ClientSampleId :

S-911-KI-SO-0-0.5-081924

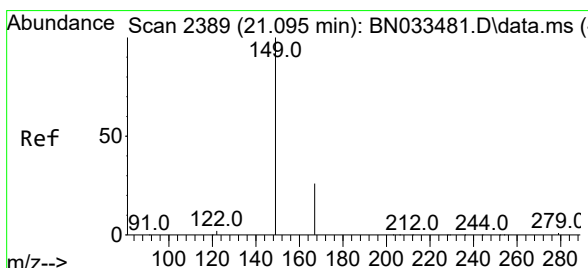
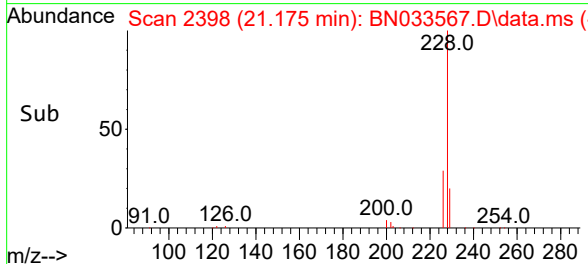
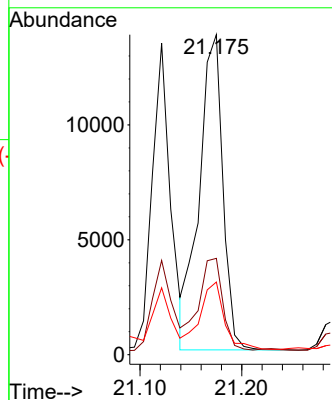
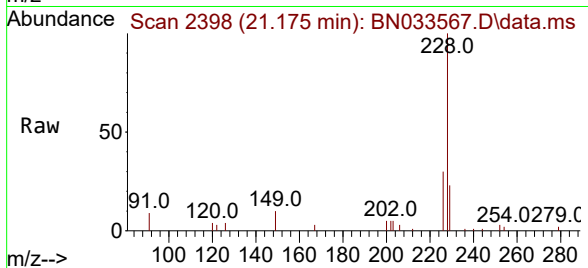
Tgt Ion:228 Resp: 22138

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

229 22.7 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.306 ng

RT: 21.085 min Scan# 2388

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

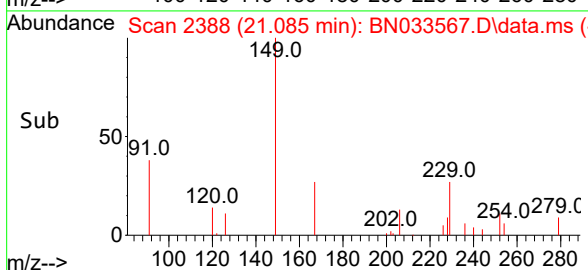
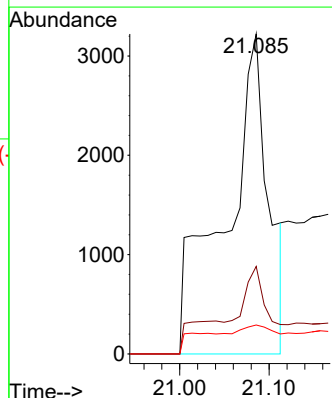
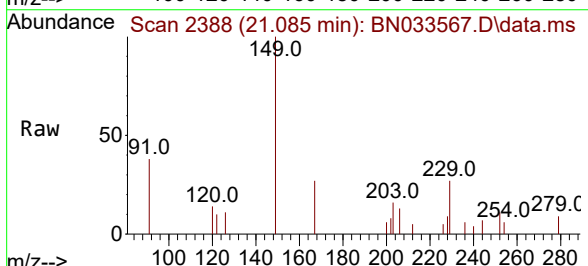
Tgt Ion:149 Resp: 10503

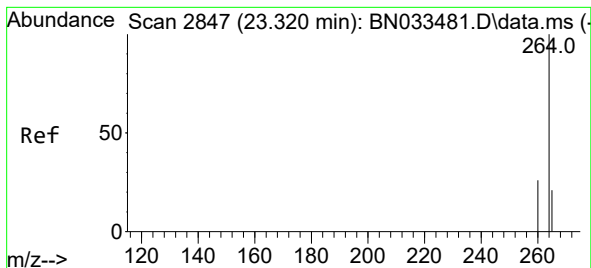
Ion Ratio Lower Upper

149 100

167 28.0 21.5 32.3

279 3.8 2.2 3.2#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.303 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033567.D

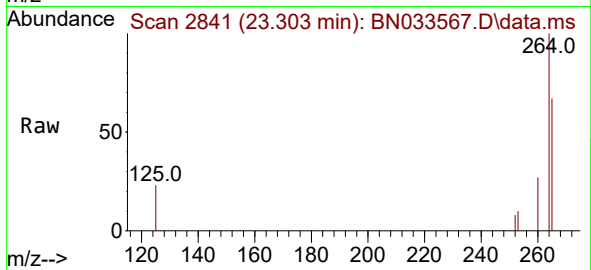
Acq: 23 Aug 2024 00:28

Instrument :

BNA_N

ClientSampleId :

S-911-KI-SO-0-0.5-081924



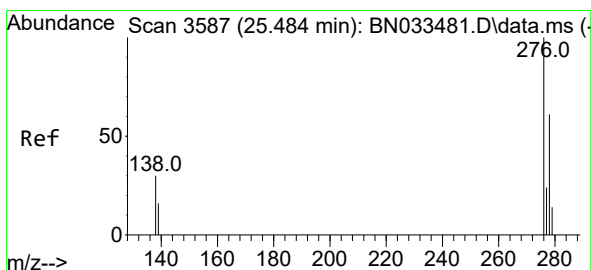
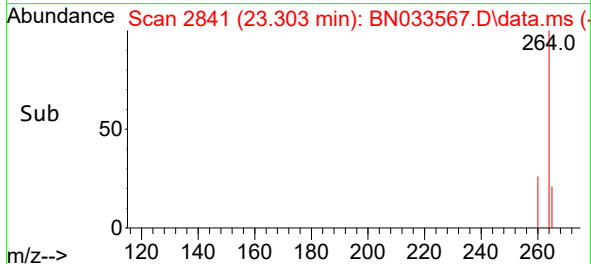
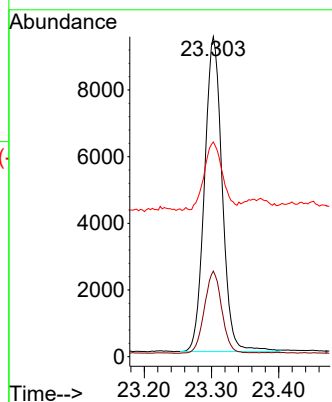
Tgt Ion:264 Resp: 17231

Ion Ratio Lower Upper

264 100

260 26.8 20.8 31.2

265 67.1 52.2 78.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.235 ng

RT: 25.449 min Scan# 3575

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

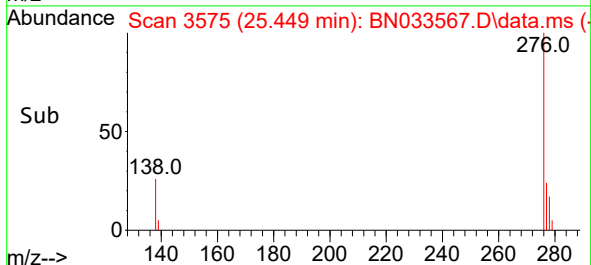
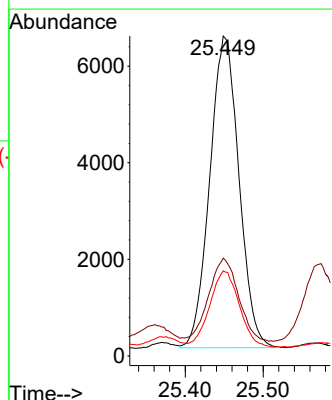
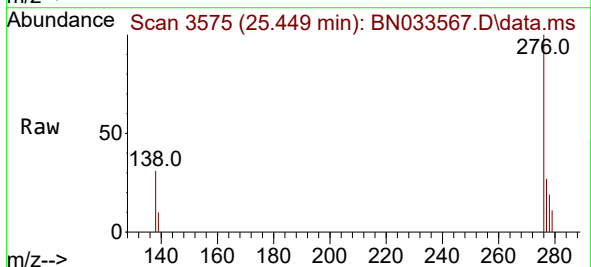
Tgt Ion:276 Resp: 16797

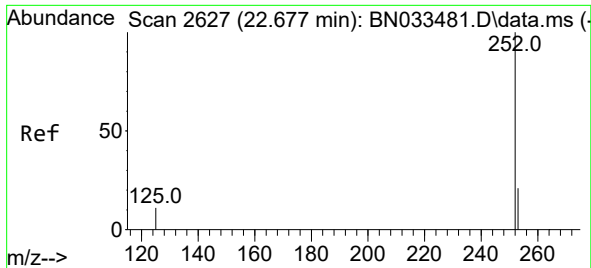
Ion Ratio Lower Upper

276 100

138 27.1 24.4 36.6

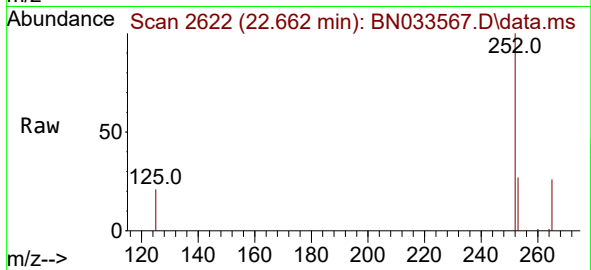
277 24.7 19.8 29.6



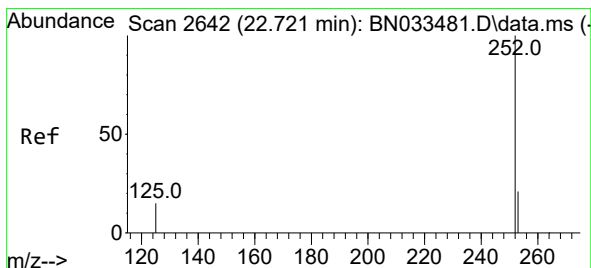
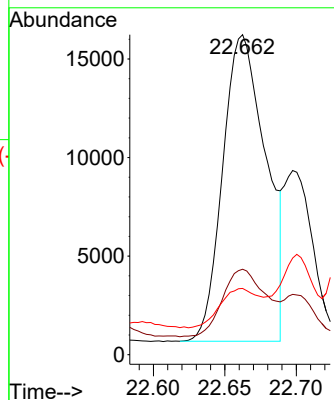


#37
Benzo(b)fluoranthene
Concen: 0.509 ng
RT: 22.662 min Scan# 2622
Delta R.T. 0.003 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

Instrument :
BNA_N
ClientSampleId :
S-911-KI-SO-0-0.5-081924

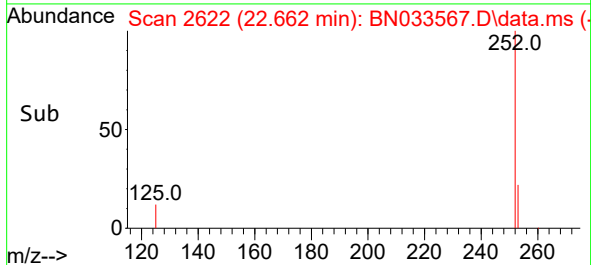
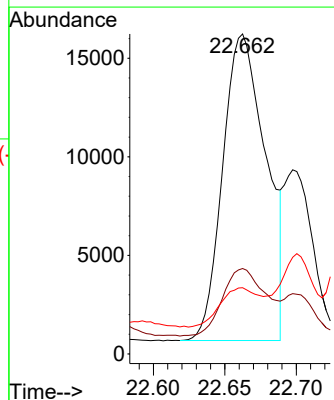
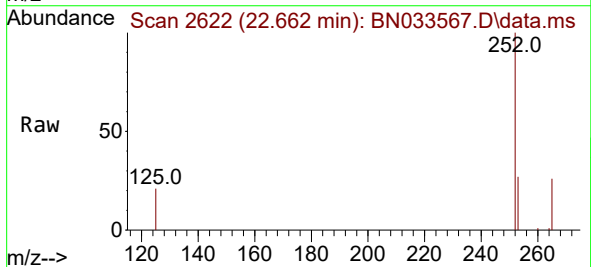


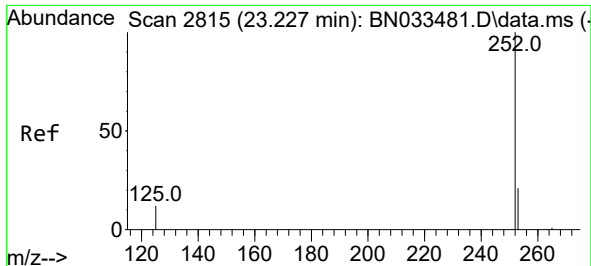
Tgt Ion:252 Resp: 32758
Ion Ratio Lower Upper
252 100
253 26.7 19.8 29.8
125 20.7 13.9 20.9



#38
Benzo(k)fluoranthene
Concen: 0.517 ng
RT: 22.662 min Scan# 2622
Delta R.T. -0.041 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

Tgt Ion:252 Resp: 32758
Ion Ratio Lower Upper
252 100
253 26.7 19.8 29.8
125 20.7 15.8 23.8





#39

Benzo(a)pyrene

Concen: 0.387 ng

RT: 23.206 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

Instrument :

BNA_N

ClientSampleId :

S-911-KI-SO-0-0.5-081924

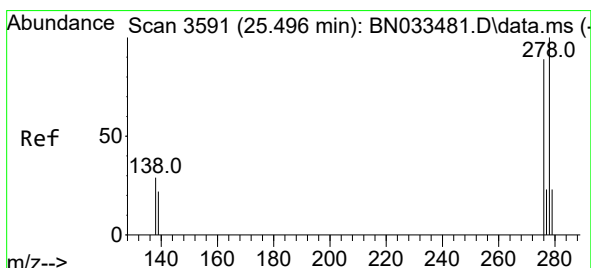
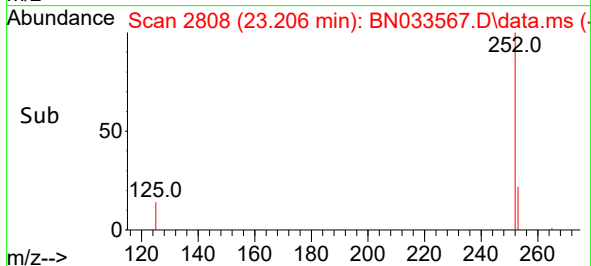
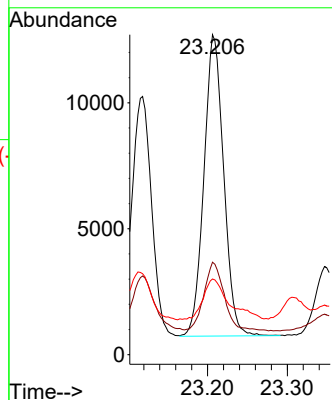
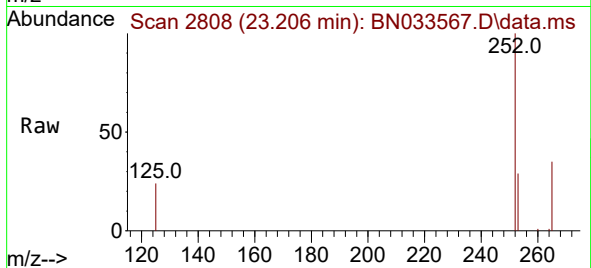
Tgt Ion:252 Resp: 20599

Ion Ratio Lower Upper

252 100

253 28.9 21.5 32.3

125 23.6 17.0 25.4



#40

Dibenzo(a,h)anthracene

Concen: 0.068 ng

RT: 25.460 min Scan# 3579

Delta R.T. -0.009 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

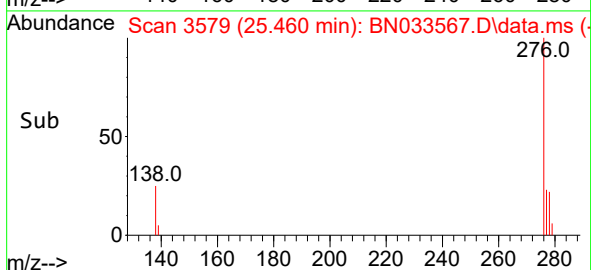
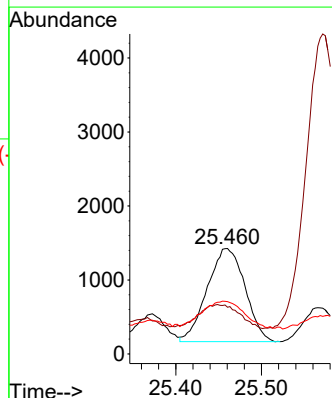
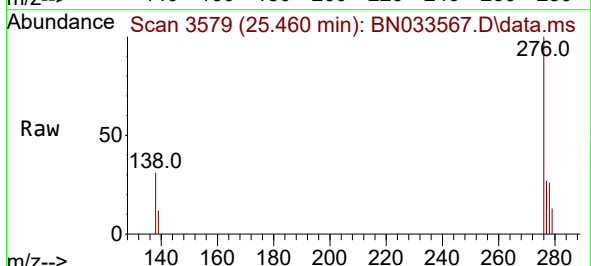
Tgt Ion:278 Resp: 3867

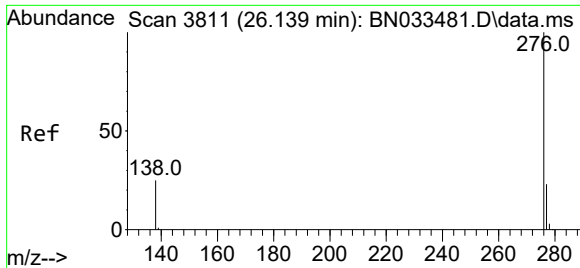
Ion Ratio Lower Upper

278 100

139 44.4 19.1 28.7#

279 49.6 21.0 31.4#





#41

Benzo(g,h,i)perylene

Concen: 0.279 ng

RT: 26.104 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN033567.D

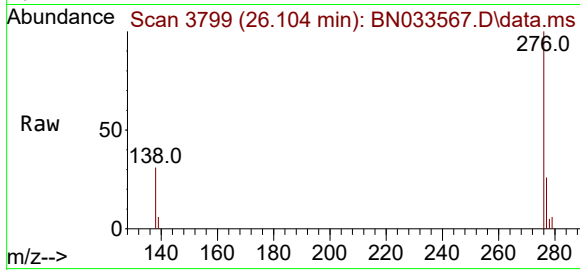
Acq: 23 Aug 2024 00:28

Instrument :

BNA_N

ClientSampleId :

S-911-KI-SO-0-0.5-081924



Tgt Ion:276 Resp: 17089

Ion Ratio Lower Upper

276 100

277 25.7 19.7 29.5

138 30.9 21.8 32.6

