

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033557.D
 Acq On : 22 Aug 2024 17:43
 Operator : MA/JU
 Sample : P3663-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 916-J-SD-0-0.5-081624

Quant Time: Aug 22 18:09:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

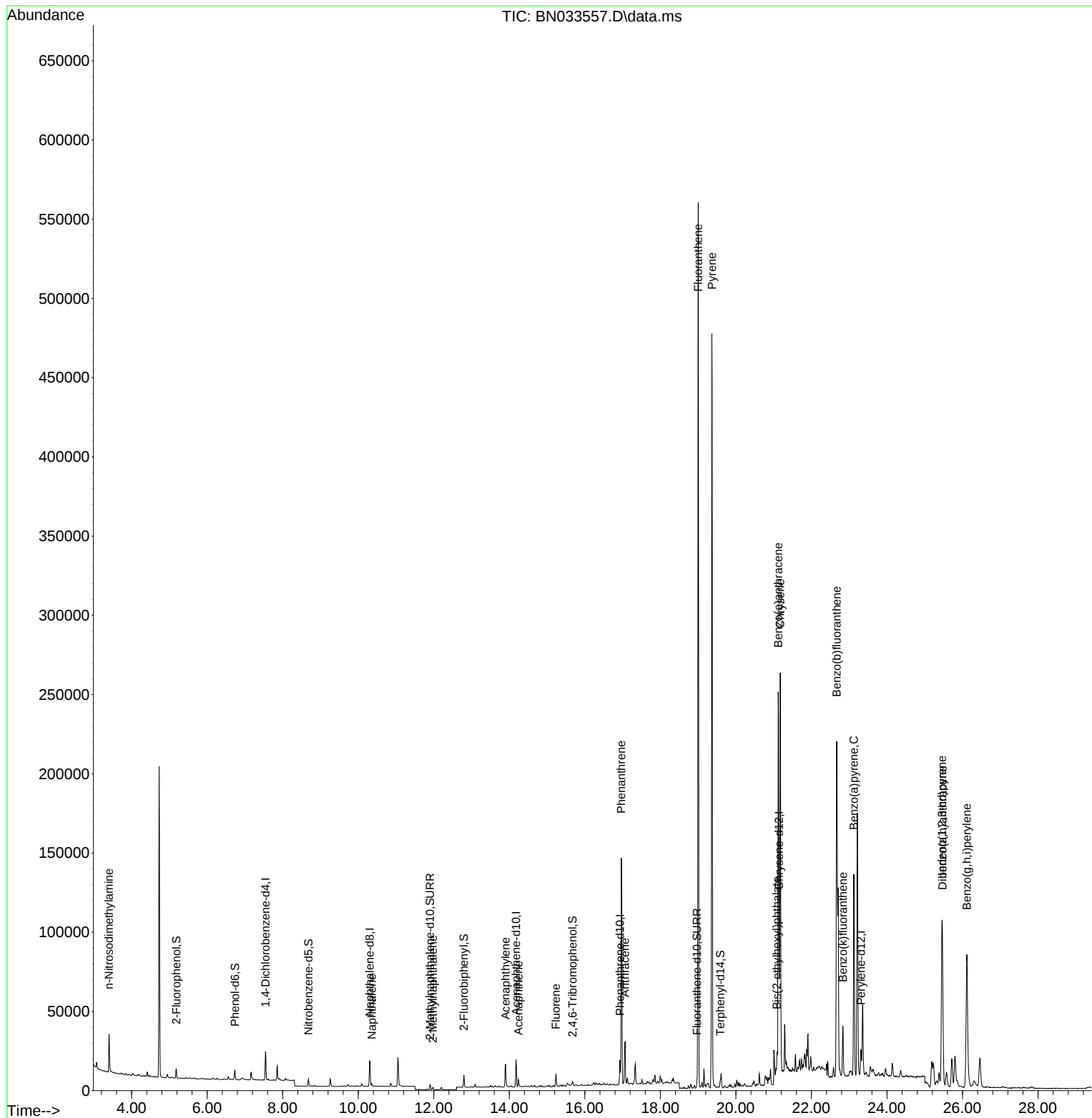
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8229	0.400	ng	-0.01
7) Naphthalene-d8	10.304	136	20757	0.400	ng	-0.01
13) Acenaphthene-d10	14.178	164	9578	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	18941	0.400	ng	-0.01
29) Chrysene-d12	21.139	240	17576	0.400	ng	0.00
35) Perylene-d12	23.311	264	19504	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4347	0.166	ng	0.00
5) Phenol-d6	6.736	99	5048	0.162	ng	0.00
8) Nitrobenzene-d5	8.681	82	3339	0.194	ng	-0.01
11) 2-Methylnaphthalene-d10	11.903	152	4404	0.148	ng	-0.01
14) 2,4,6-Tribromophenol	15.676	330	739	0.144	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	5647	0.144	ng	-0.01
27) Fluoranthene-d10	18.970	212	5548	0.122	ng	-0.01
31) Terphenyl-d14	19.588	244	3911	0.098	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.399	42	3936	0.357	ng	# 1
9) Naphthalene	10.357	128	2187	0.039	ng	# 89
12) 2-Methylnaphthalene	11.979	142	1083	0.031	ng	# 89
16) Acenaphthylene	13.900	152	17484	0.416	ng	100
17) Acenaphthene	14.242	154	2177	0.074	ng	97
18) Fluorene	15.236	166	5004	0.134	ng	97
25) Phenanthrene	16.966	178	154782	2.937	ng	100
26) Anthracene	17.066	178	30153	0.647	ng	98
28) Fluoranthene	19.003	202	489559	8.407	ng	100
30) Pyrene	19.365	202	418761	5.338	ng	97
32) Benzo(a)anthracene	21.121	228	219129	3.448	ng	98
33) Chrysene	21.175	228	220439	3.490	ng	98
34) Bis(2-ethylhexyl)phtha...	21.086	149	10380	0.258	ng	# 75
36) Indeno(1,2,3-cd)pyrene	25.460	276	164246	2.028	ng	94
37) Benzo(b)fluoranthene	22.668	252	316138	4.340	ng	# 93
38) Benzo(k)fluoranthene	22.832	252	34654	0.483	ng	93
39) Benzo(a)pyrene	23.124	252	157192	2.608	ng	93
40) Dibenzo(a,h)anthracene	25.469	278	35108	0.542	ng	98
41) Benzo(g,h,i)perylene	26.115	276	160851	2.323	ng	98

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

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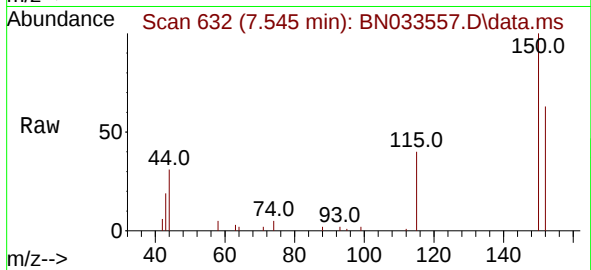
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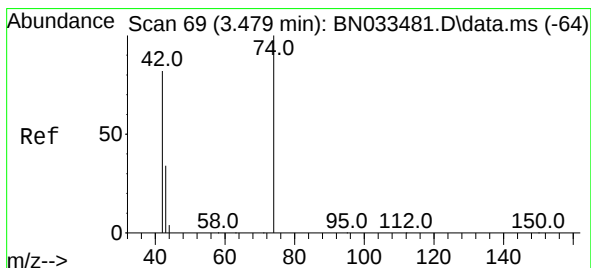
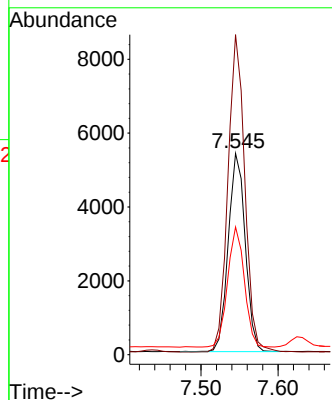
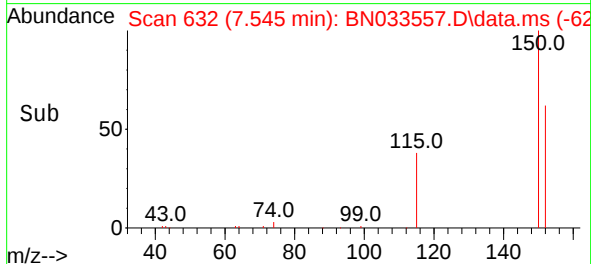


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.014 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

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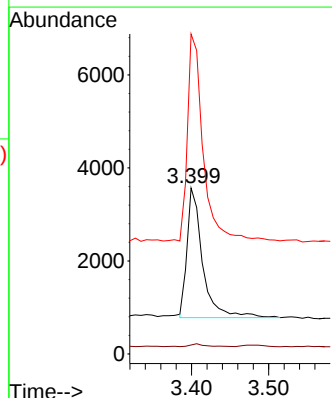
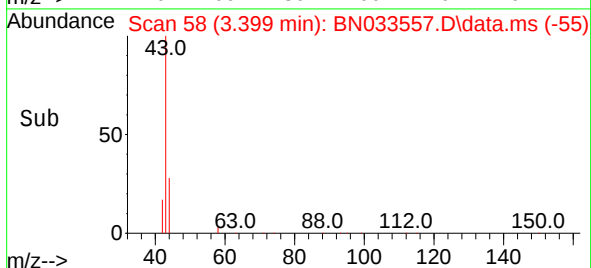
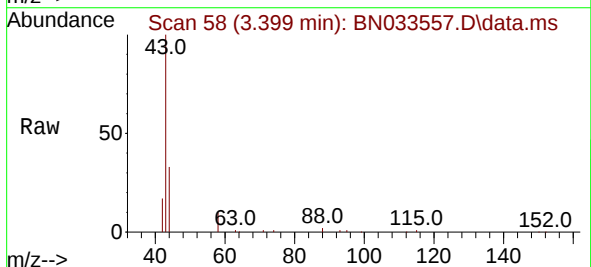


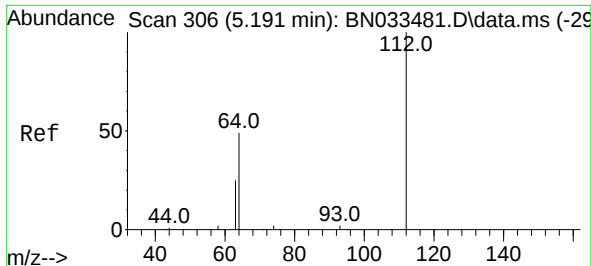
Tgt Ion:152 Resp: 8229
Ion Ratio Lower Upper
152 100
150 158.9 122.2 183.2
115 63.4 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.357 ng
RT: 3.399 min Scan# 58
Delta R.T. -0.080 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

Tgt Ion: 42 Resp: 3936
Ion Ratio Lower Upper
42 100
74 2.0 100.2 150.2#
44 159.3 5.3 7.9#

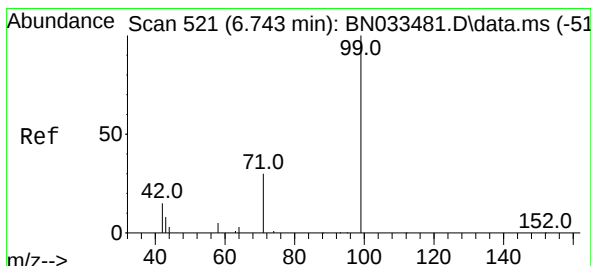
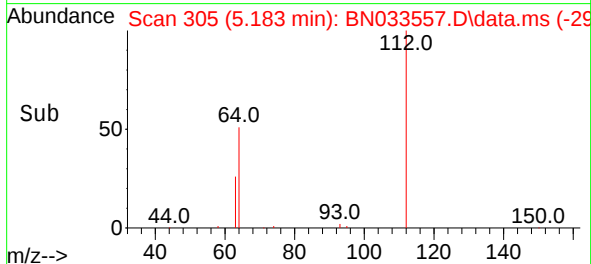
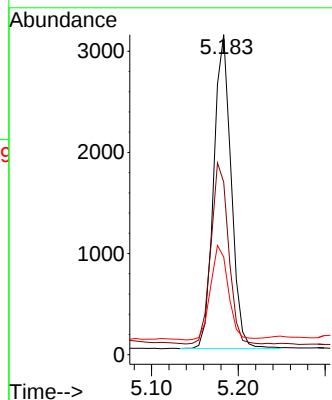
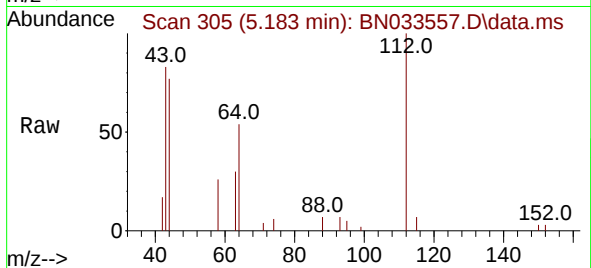




#4
2-Fluorophenol
Concen: 0.166 ng
RT: 5.183 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

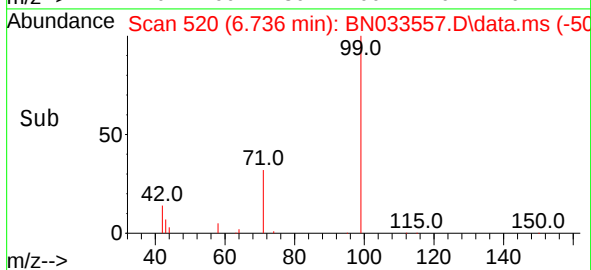
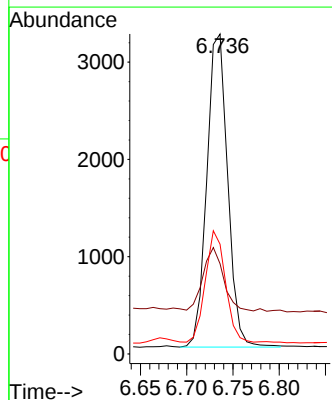
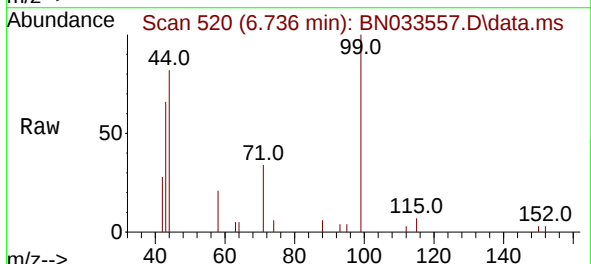
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624

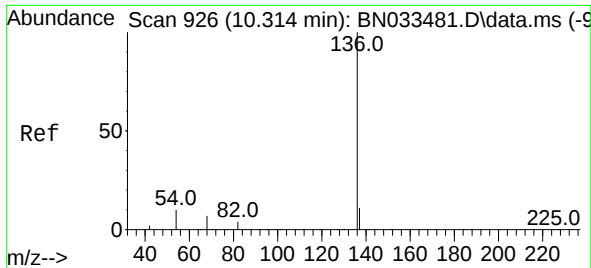
Tgt Ion:112 Resp: 4347
Ion Ratio Lower Upper
112 100
64 57.7 47.1 70.7
63 30.7 24.9 37.3



#5
Phenol-d6
Concen: 0.162 ng
RT: 6.736 min Scan# 520
Delta R.T. -0.007 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

Tgt Ion: 99 Resp: 5048
Ion Ratio Lower Upper
99 100
42 19.7 16.6 24.8
71 34.4 26.2 39.4

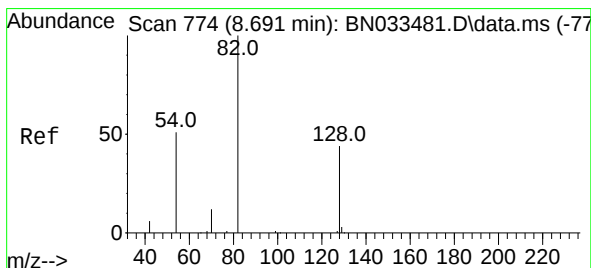
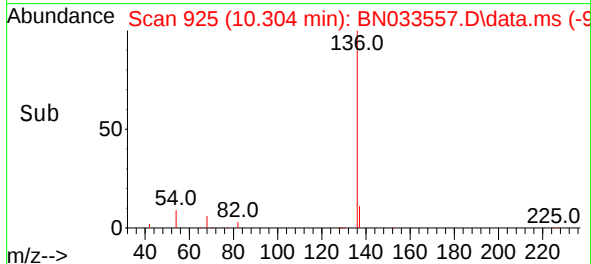
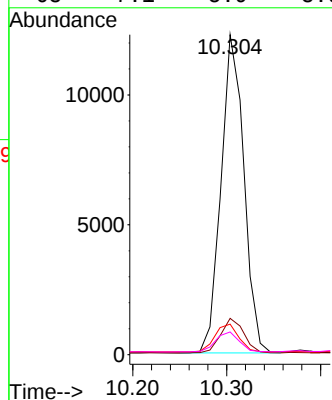
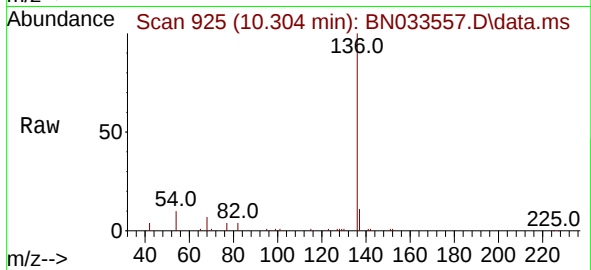




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

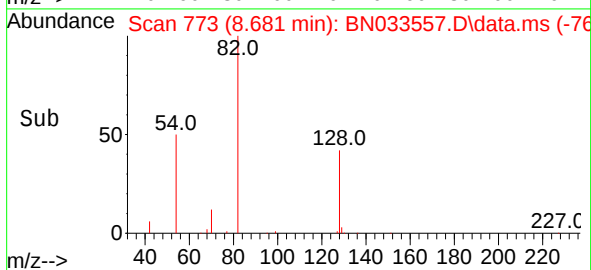
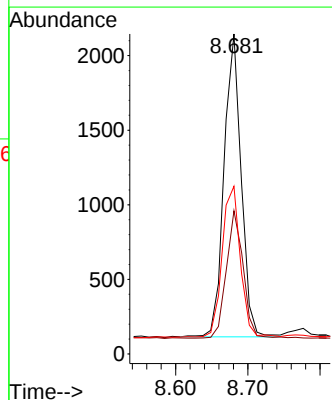
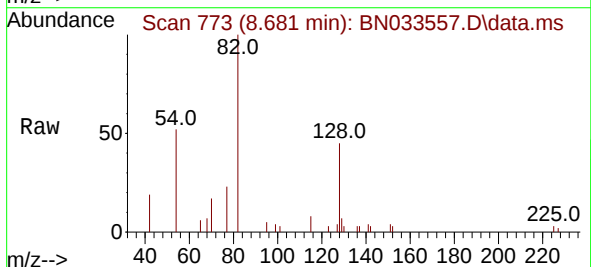
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624

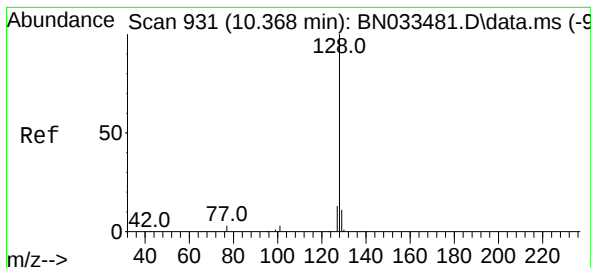
Tgt Ion:	136	Resp:	20757
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.6
54	9.6	8.3	12.5
68	7.1	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.194 ng
RT: 8.681 min Scan# 773
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

Tgt Ion:	82	Resp:	3339
Ion Ratio	Lower	Upper	
82	100		
128	44.8	36.0	54.0
54	52.4	42.0	63.0





#9

Naphthalene

Concen: 0.039 ng

RT: 10.357 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

Instrument :

BNA_N

ClientSampleId :

916-J-SD-0-0.5-081624

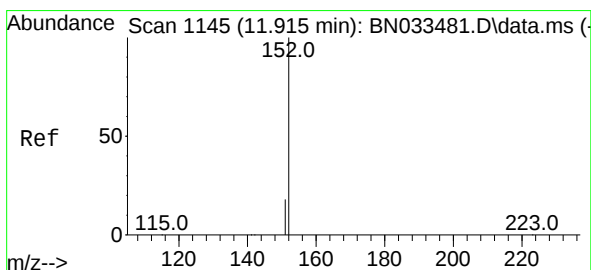
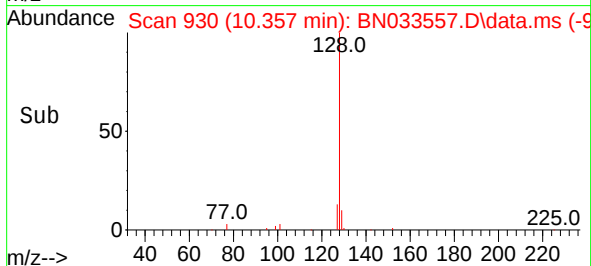
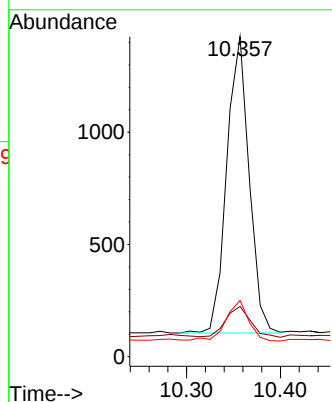
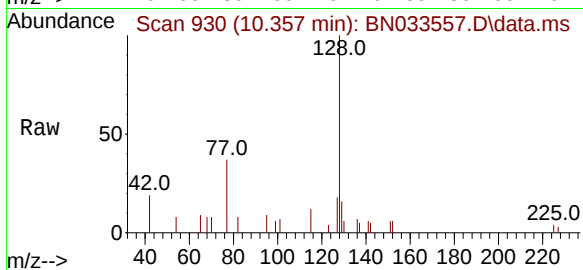
Tgt Ion:128 Resp: 2187

Ion Ratio Lower Upper

128 100

129 15.7 9.1 13.7#

127 17.5 10.7 16.1#



#11

2-Methylnaphthalene-d10

Concen: 0.148 ng

RT: 11.903 min Scan# 1142

Delta R.T. -0.011 min

Lab File: BN033557.D

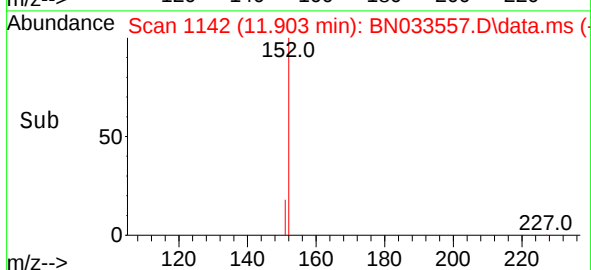
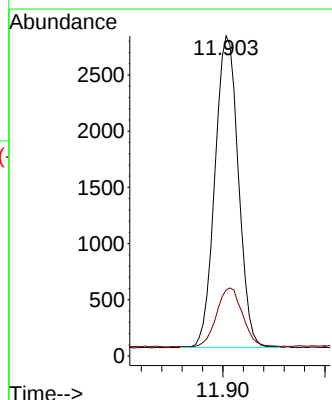
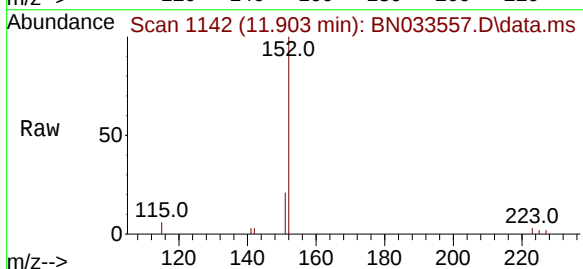
Acq: 22 Aug 2024 17:43

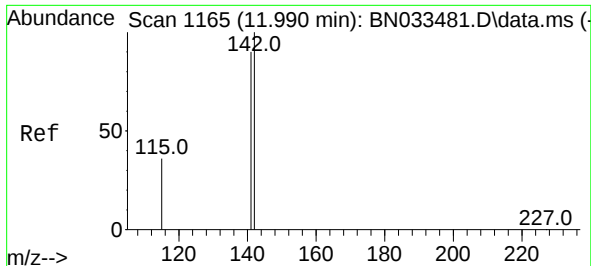
Tgt Ion:152 Resp: 4404

Ion Ratio Lower Upper

152 100

151 20.9 16.6 25.0





#12

2-Methylnaphthalene

Concen: 0.031 ng

RT: 11.979 min Scan# 1162

Delta R.T. -0.011 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

Instrument :

BNA_N

ClientSampleId :

916-J-SD-0-0.5-081624

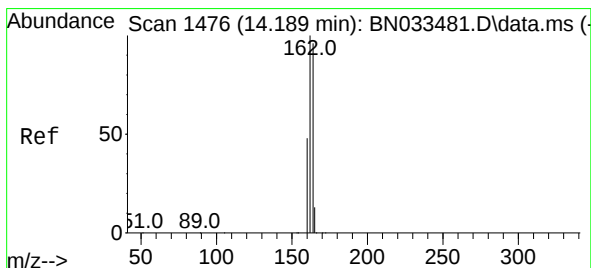
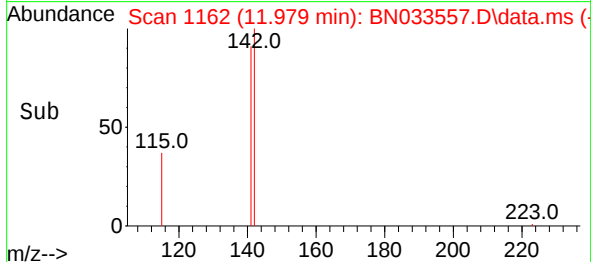
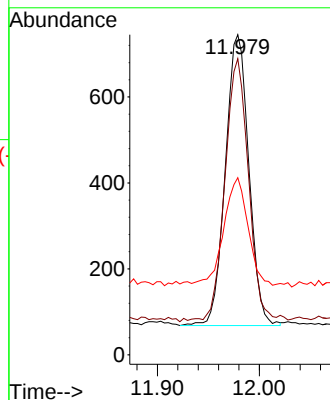
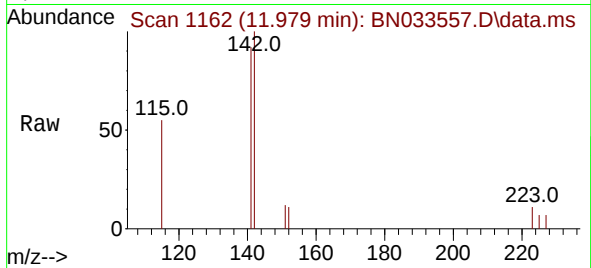
Tgt Ion:142 Resp: 1083

Ion Ratio Lower Upper

142 100

141 92.5 71.7 107.5

115 55.3 29.4 44.2#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.178 min Scan# 1475

Delta R.T. -0.011 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

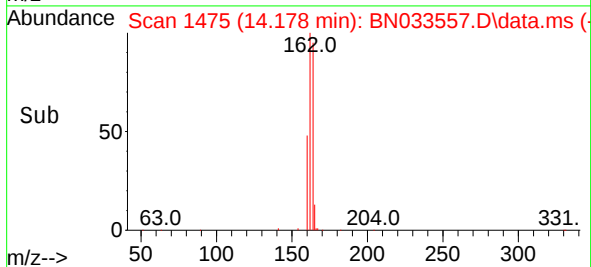
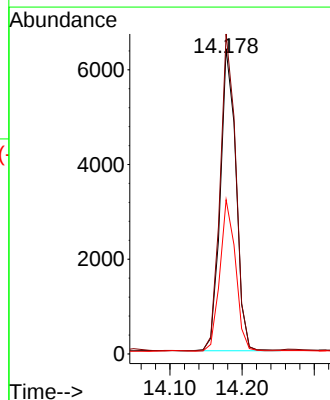
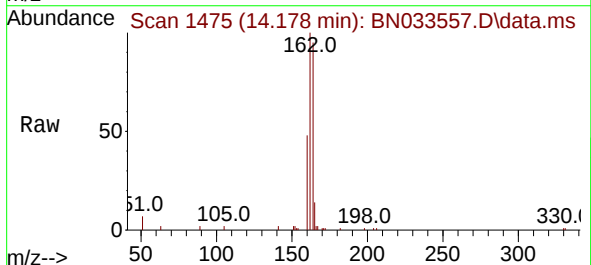
Tgt Ion:164 Resp: 9578

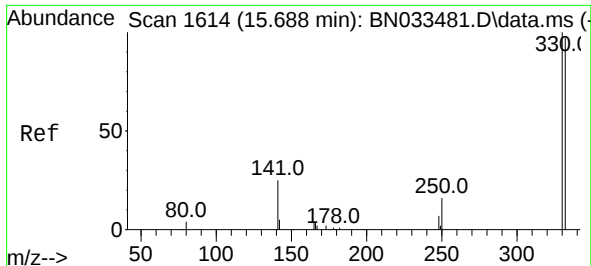
Ion Ratio Lower Upper

164 100

162 104.8 83.5 125.3

160 50.5 40.2 60.4





#14

2,4,6-Tribromophenol

Concen: 0.144 ng

RT: 15.676 min Scan# 1

Delta R.T. -0.013 min

Lab File: BN033557.D

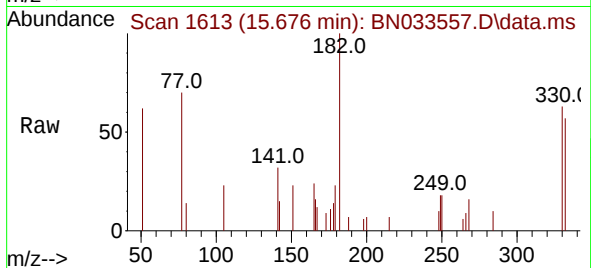
Acq: 22 Aug 2024 17:43

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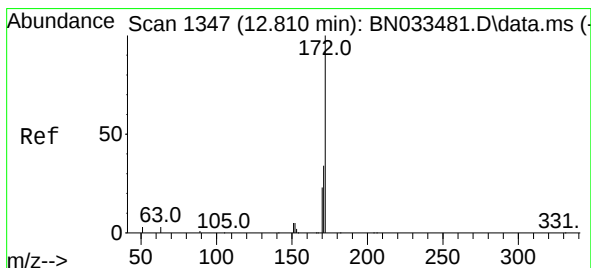
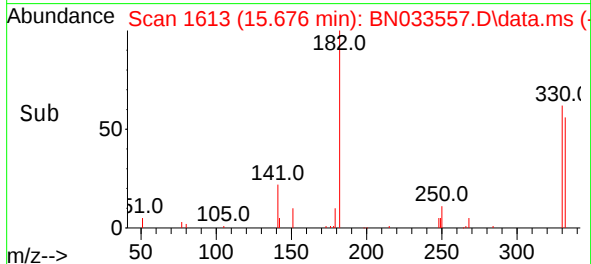
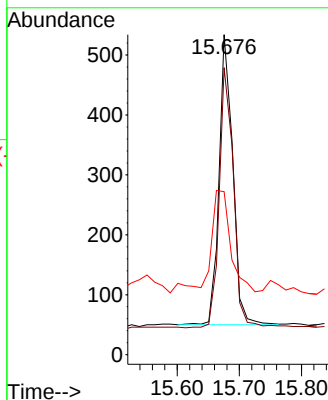
Tgt Ion:330 Resp: 739

Ion Ratio Lower Upper

330 100

332 92.6 77.5 116.3

141 47.4 33.9 50.9



#15

2-Fluorobiphenyl

Concen: 0.144 ng

RT: 12.799 min Scan# 1346

Delta R.T. -0.011 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

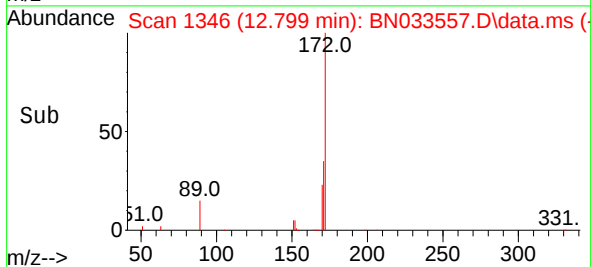
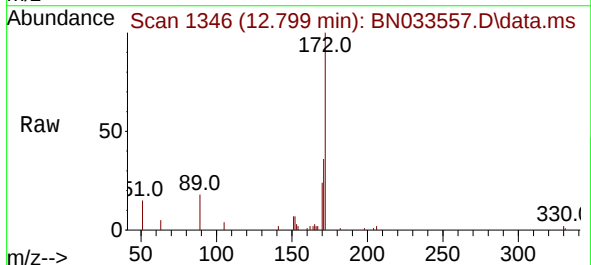
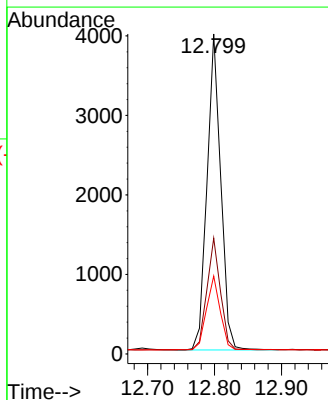
Tgt Ion:172 Resp: 5647

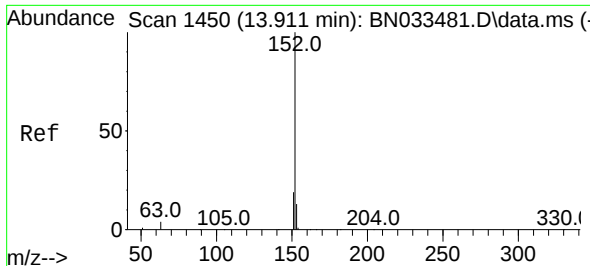
Ion Ratio Lower Upper

172 100

171 36.2 27.7 41.5

170 24.3 18.3 27.5

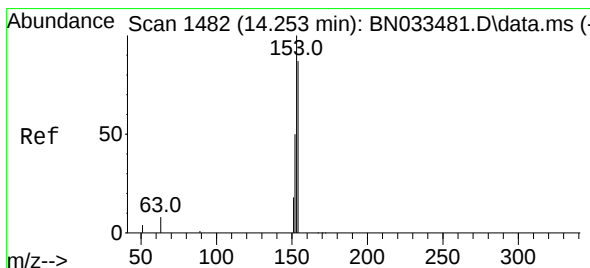
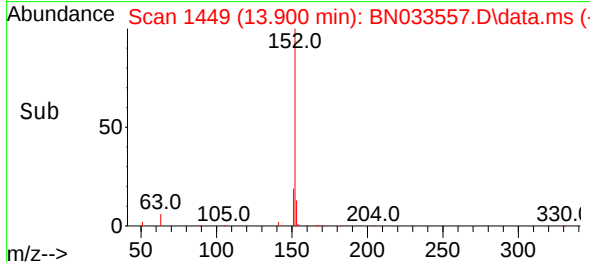
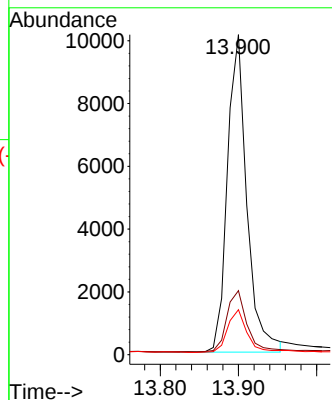
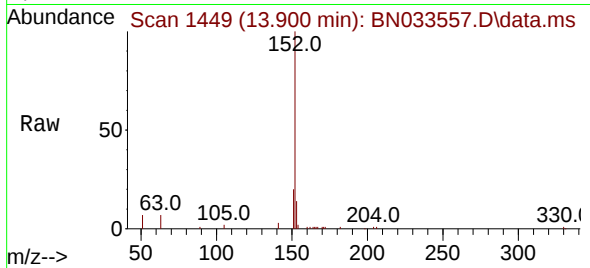




#16
Acenaphthylene
Concen: 0.416 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

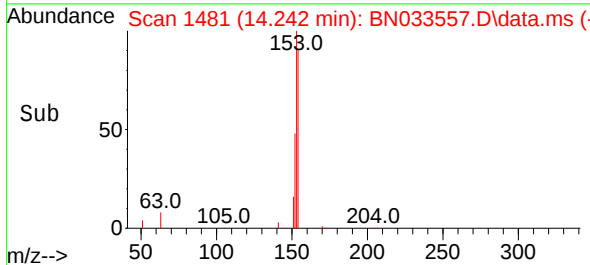
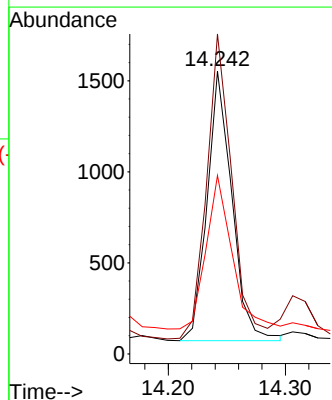
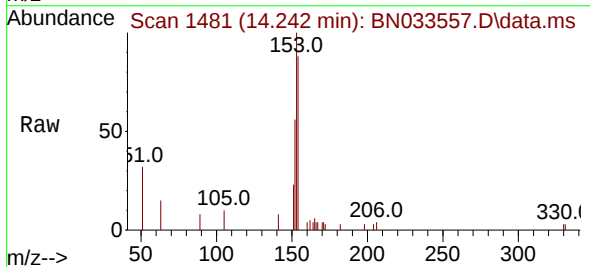
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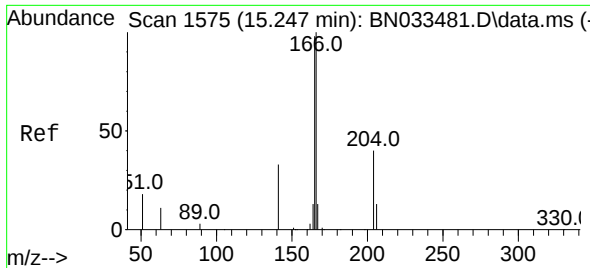
Tgt Ion:152 Resp: 17484
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.3 10.3 15.5



#17
Acenaphthene
Concen: 0.074 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

Tgt Ion:154 Resp: 2177
Ion Ratio Lower Upper
154 100
153 114.9 89.0 133.6
152 59.0 45.2 67.8





#18

Fluorene

Concen: 0.134 ng

RT: 15.236 min Scan# 1574

Delta R.T. -0.011 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

Instrument :

BNA_N

ClientSampleId :

916-J-SD-0-0.5-081624

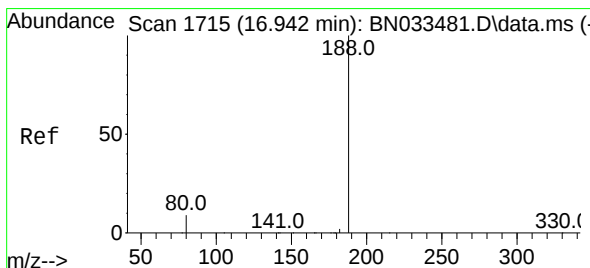
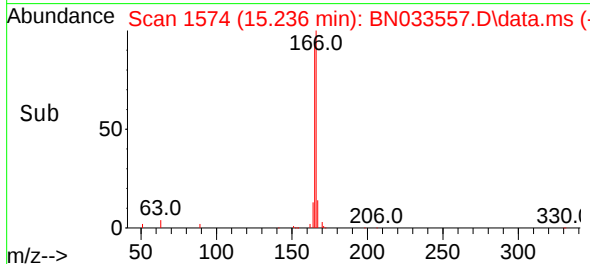
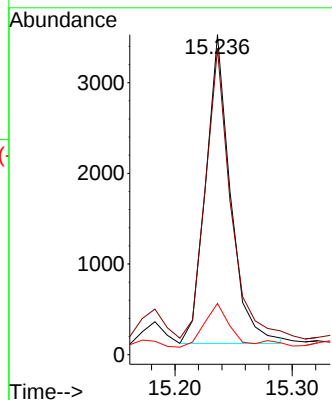
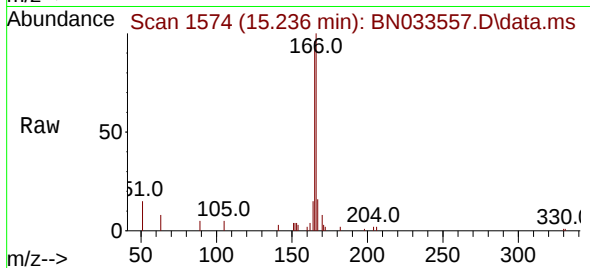
Tgt Ion:166 Resp: 5004

Ion Ratio Lower Upper

166 100

165 94.7 78.2 117.4

167 14.6 10.6 16.0



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.929 min Scan# 1714

Delta R.T. -0.013 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

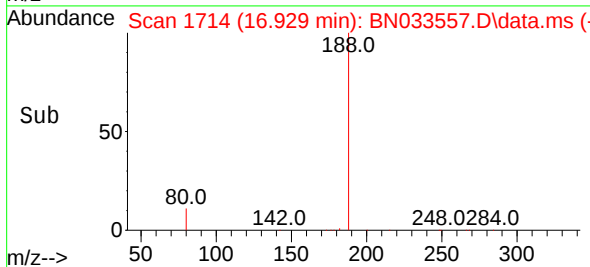
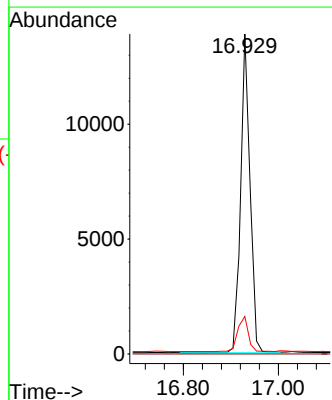
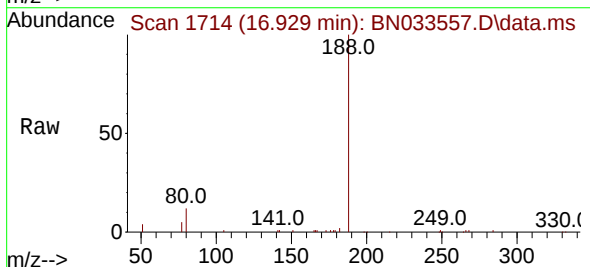
Tgt Ion:188 Resp: 18941

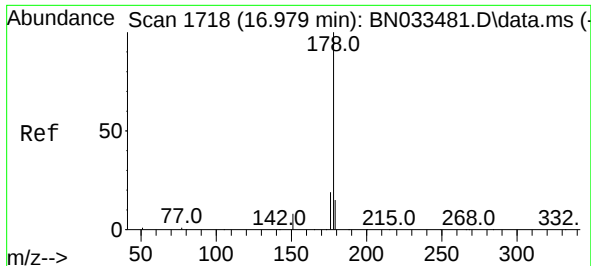
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.7 7.8 11.8





#25

Phenanthrene

Concen: 2.937 ng

RT: 16.966 min Scan# 1717

Delta R.T. -0.013 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

Instrument :

BNA_N

ClientSampleId :

916-J-SD-0-0.5-081624

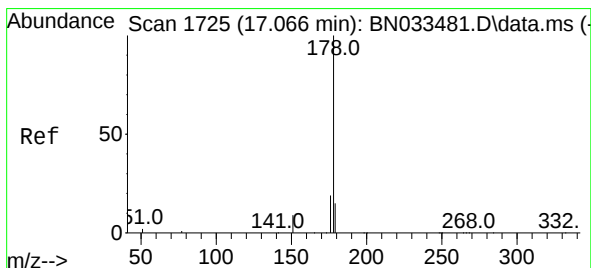
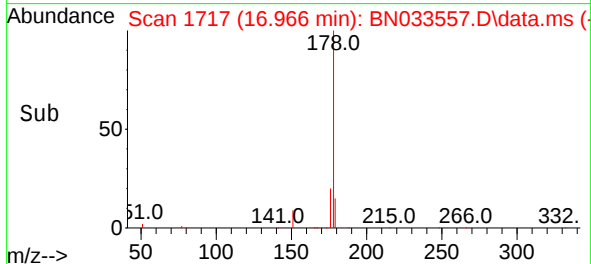
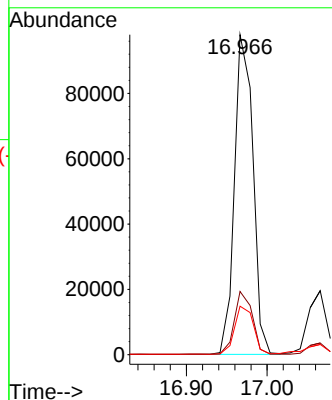
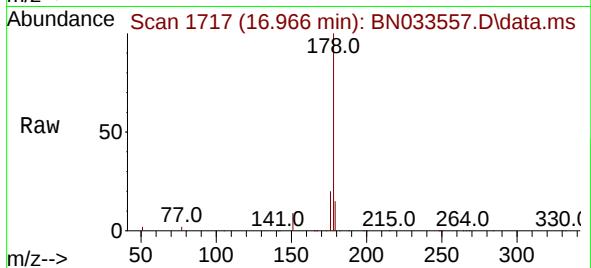
Tgt Ion:178 Resp: 154782

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.3 12.3 18.5



#26

Anthracene

Concen: 0.647 ng

RT: 17.066 min Scan# 1725

Delta R.T. -0.000 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

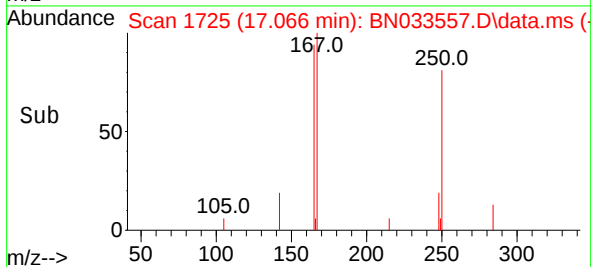
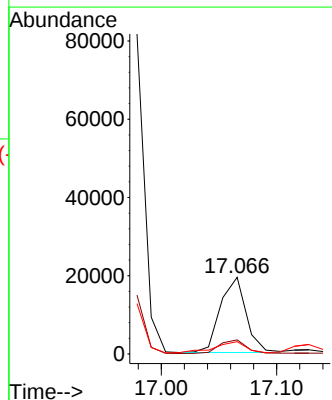
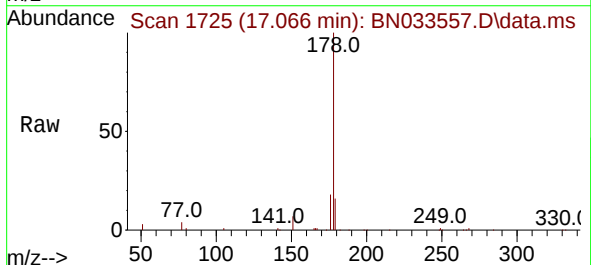
Tgt Ion:178 Resp: 30153

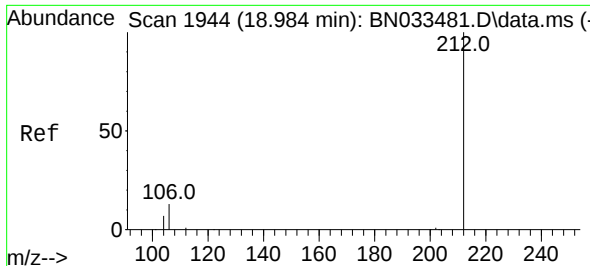
Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.6

179 16.9 12.4 18.6

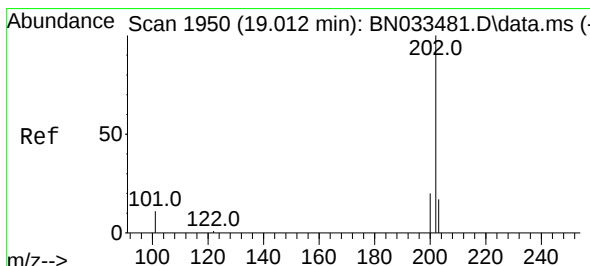
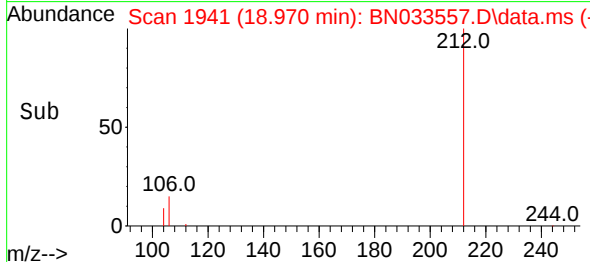
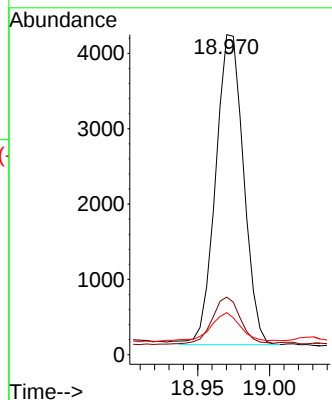
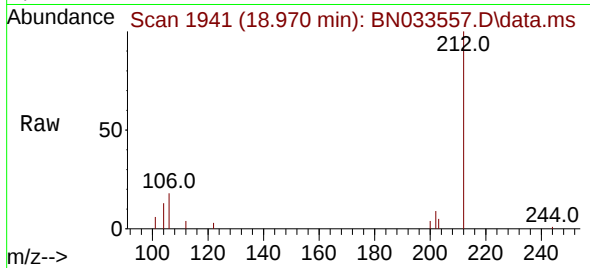




#27
Fluoranthene-d10
Concen: 0.122 ng
RT: 18.970 min Scan# 1941
Delta R.T. -0.014 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

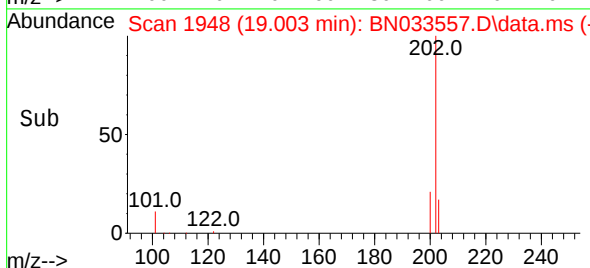
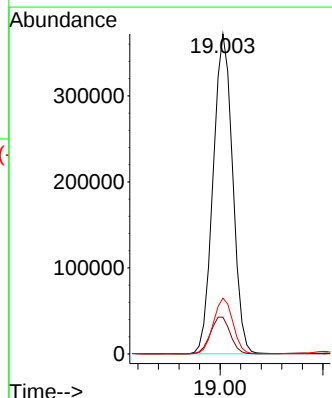
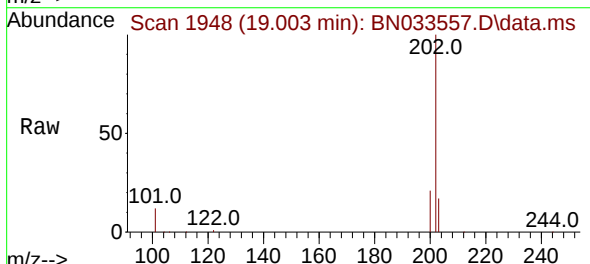
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624

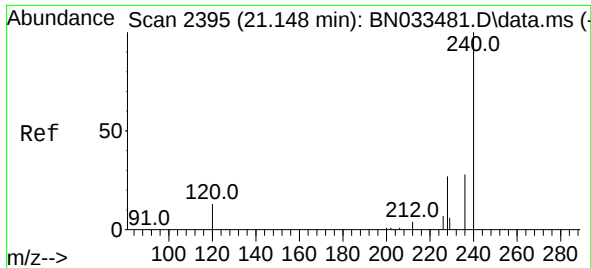
Tgt Ion:212 Resp: 5548
Ion Ratio Lower Upper
212 100
106 15.8 12.3 18.5
104 10.5 7.0 10.4#



#28
Fluoranthene
Concen: 8.407 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

Tgt Ion:202 Resp: 489559
Ion Ratio Lower Upper
202 100
101 11.7 9.5 14.3
203 17.3 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.139 min Scan# 24

Delta R.T. -0.009 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

Instrument :

BNA_N

ClientSampleId :

916-J-SD-0-0.5-081624

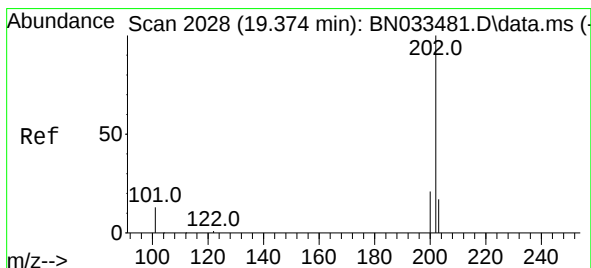
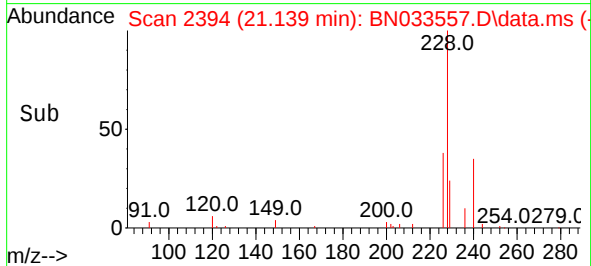
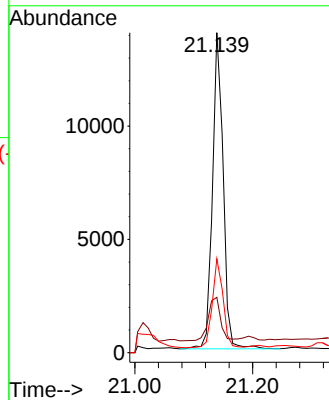
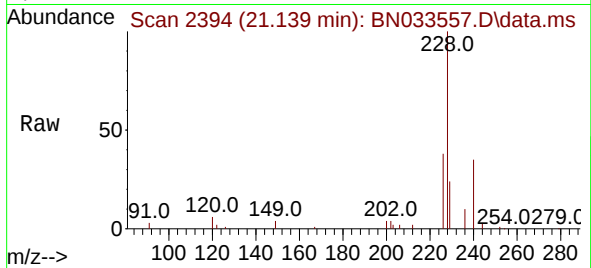
Tgt Ion:240 Resp: 17576

Ion Ratio Lower Upper

240 100

120 17.3 12.4 18.6

236 29.4 23.0 34.6



#30

Pyrene

Concen: 5.338 ng

RT: 19.365 min Scan# 2026

Delta R.T. -0.009 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

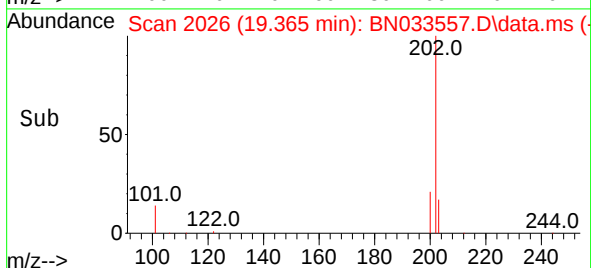
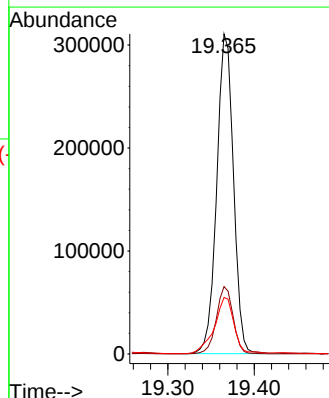
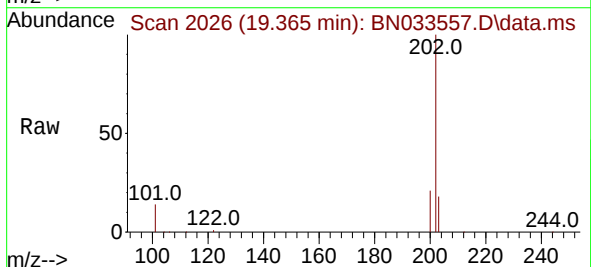
Tgt Ion:202 Resp: 418761

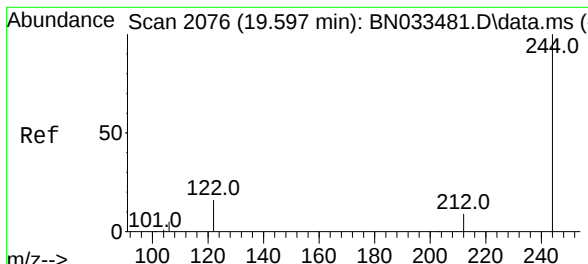
Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

203 20.7 14.2 21.4

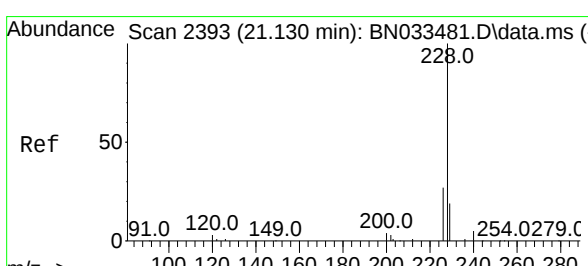
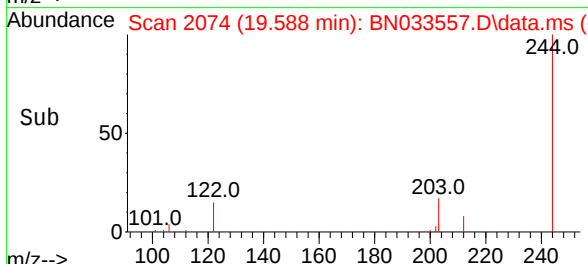
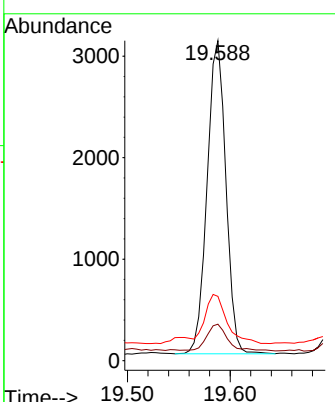
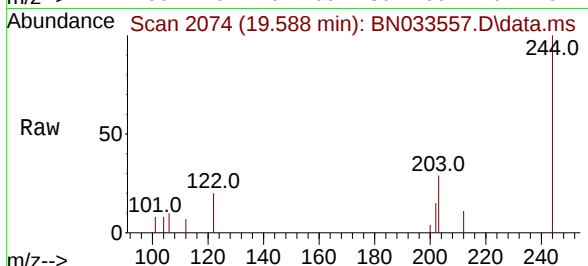




#31
 Terphenyl-d14
 Concen: 0.098 ng
 RT: 19.588 min Scan# 2074
 Delta R.T. -0.009 min
 Lab File: BN033557.D
 Acq: 22 Aug 2024 17:43

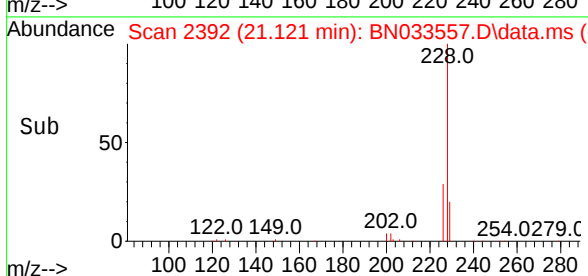
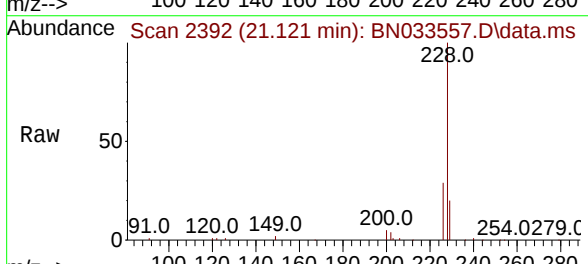
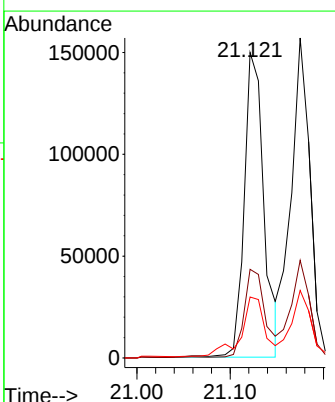
Instrument :
 BNA_N
 ClientSampleId :
 916-J-SD-0-0.5-081624

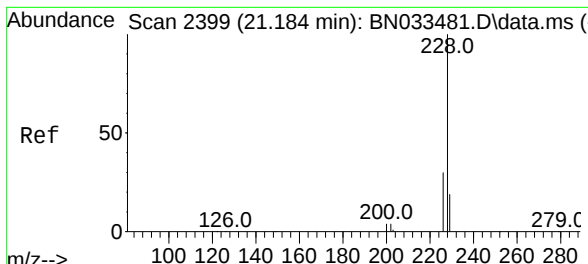
Tgt Ion:	244	Resp:	3911
Ion Ratio	Lower	Upper	
244	100		
212	11.4	7.8	11.6
122	20.1	13.3	19.9



#32
 Benzo(a)anthracene
 Concen: 3.448 ng
 RT: 21.121 min Scan# 2392
 Delta R.T. -0.009 min
 Lab File: BN033557.D
 Acq: 22 Aug 2024 17:43

Tgt Ion:	228	Resp:	219129
Ion Ratio	Lower	Upper	
228	100		
226	29.0	21.8	32.6
229	19.9	15.8	23.6

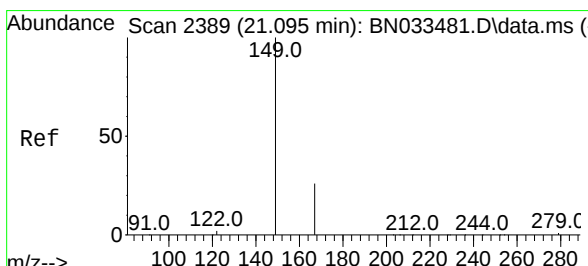
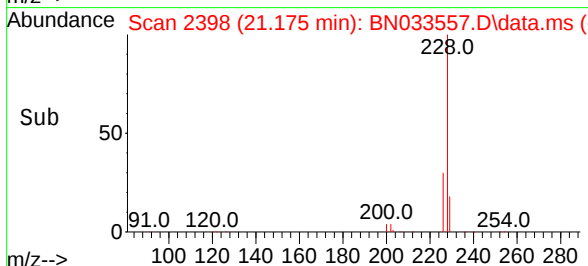
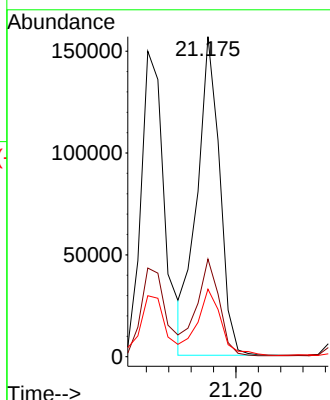
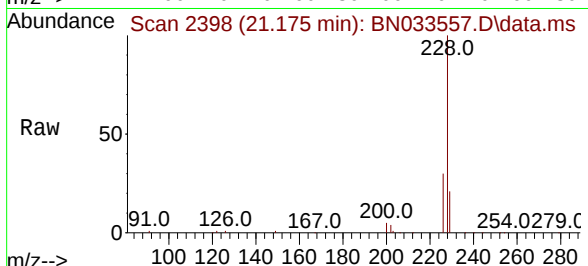




#33
Chrysene
Concen: 3.490 ng
RT: 21.175 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

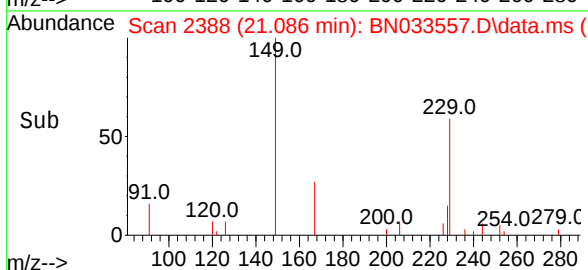
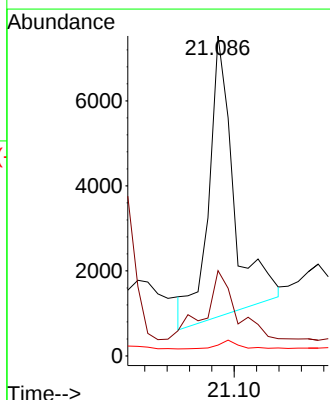
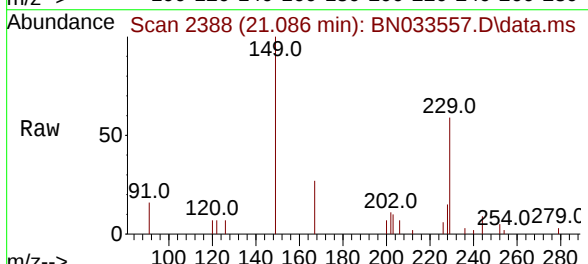
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624

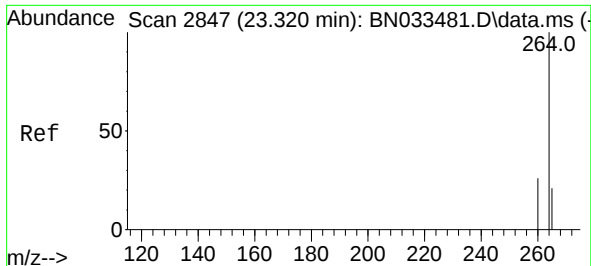
Tgt Ion:	228	Resp:	220439
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.8	35.8
229	21.1	15.6	23.4



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.258 ng
RT: 21.086 min Scan# 2388
Delta R.T. -0.009 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

Tgt Ion:	149	Resp:	10380
Ion Ratio	Lower	Upper	
149	100		
167	40.6	21.5	32.3#
279	5.0	2.2	3.2#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.311 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN033557.D

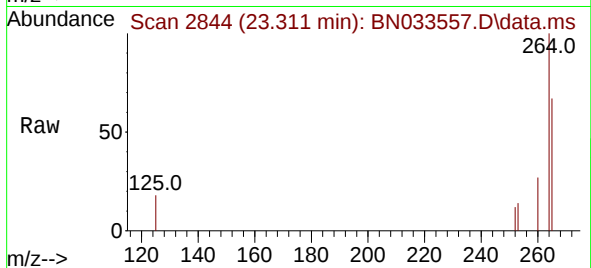
Acq: 22 Aug 2024 17:43

Instrument :

BNA_N

ClientSampleId :

916-J-SD-0-0.5-081624



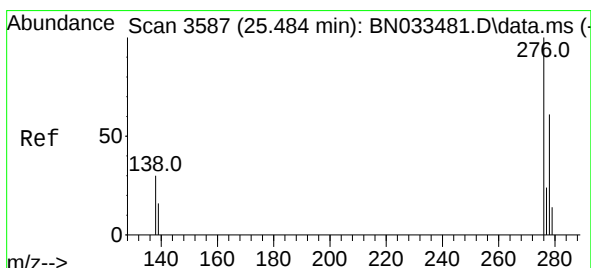
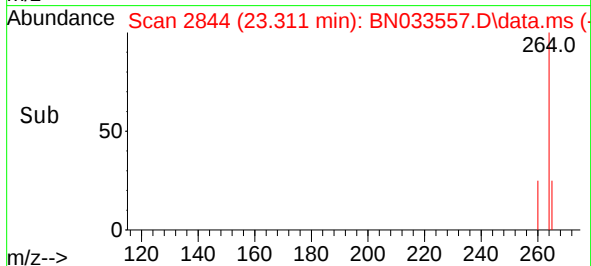
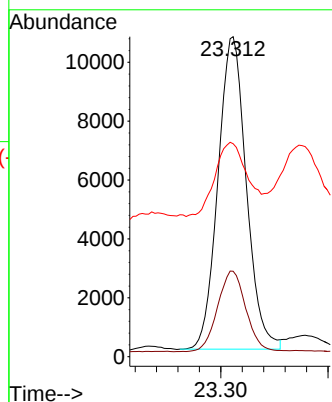
Tgt Ion:264 Resp: 19504

Ion Ratio Lower Upper

264 100

260 26.7 20.8 31.2

265 66.5 52.2 78.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 2.028 ng

RT: 25.460 min Scan# 3579

Delta R.T. -0.024 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

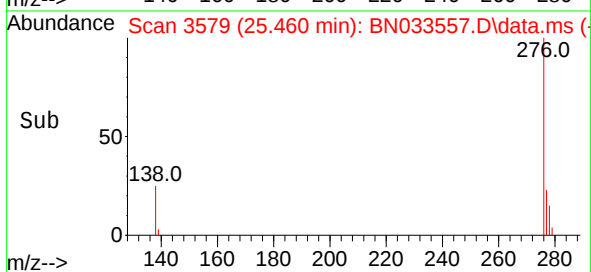
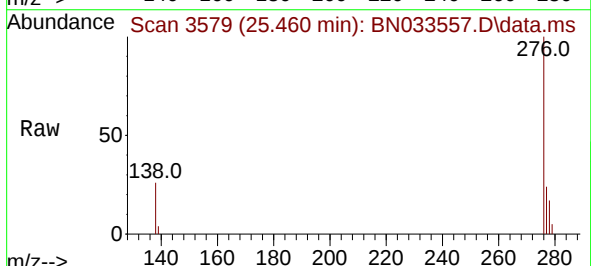
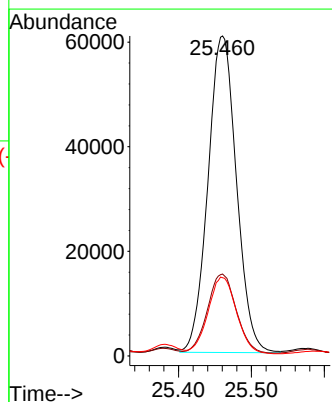
Tgt Ion:276 Resp: 164246

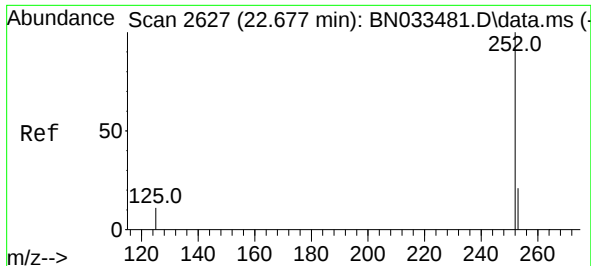
Ion Ratio Lower Upper

276 100

138 25.2 24.4 36.6

277 24.1 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 4.340 ng

RT: 22.668 min Scan# 2624

Delta R.T. -0.009 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

Instrument :

BNA_N

ClientSampleId :

916-J-SD-0-0.5-081624

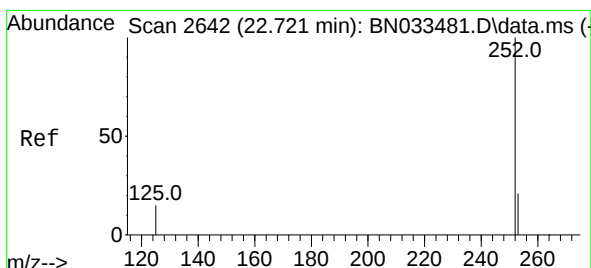
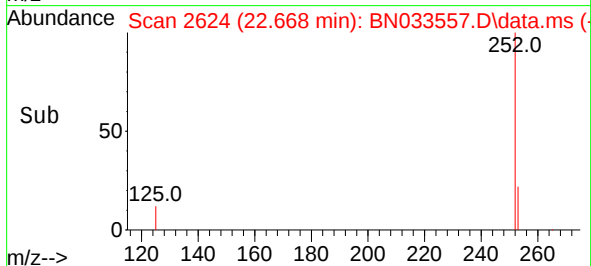
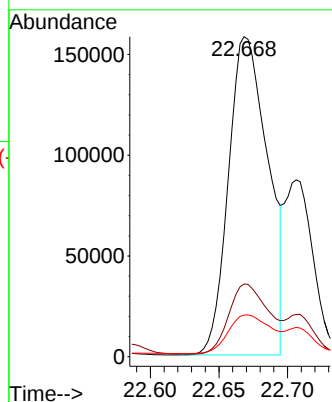
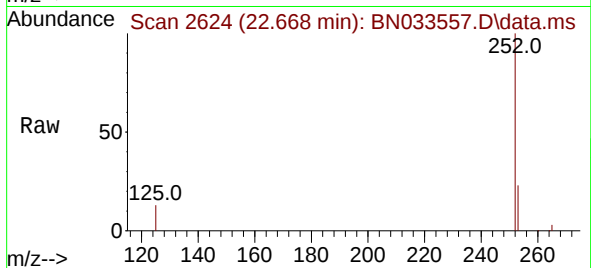
Tgt Ion:252 Resp: 316138

Ion Ratio Lower Upper

252 100

253 22.7 19.8 29.8

125 13.0 13.9 20.9#



#38

Benzo(k)fluoranthene

Concen: 0.483 ng

RT: 22.832 min Scan# 2680

Delta R.T. 0.111 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

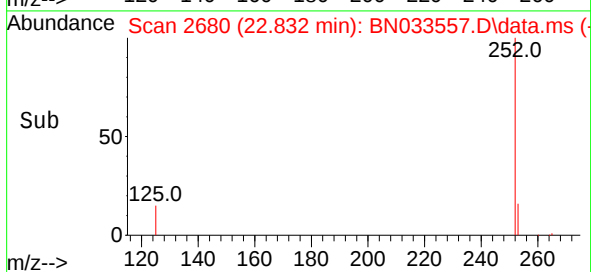
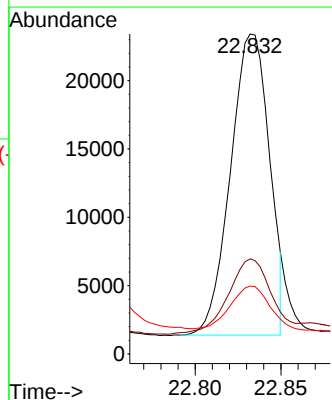
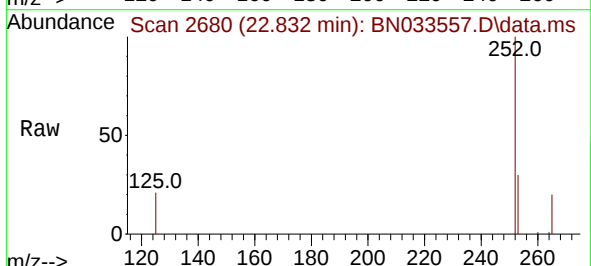
Tgt Ion:252 Resp: 34654

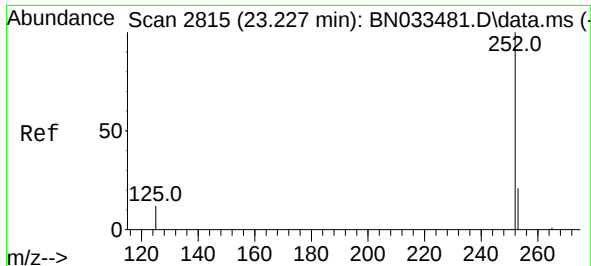
Ion Ratio Lower Upper

252 100

253 29.7 19.8 29.8

125 21.2 15.8 23.8





#39

Benzo(a)pyrene

Concen: 2.608 ng

RT: 23.124 min Scan# 21

Delta R.T. -0.102 min

Lab File: BN033557.D

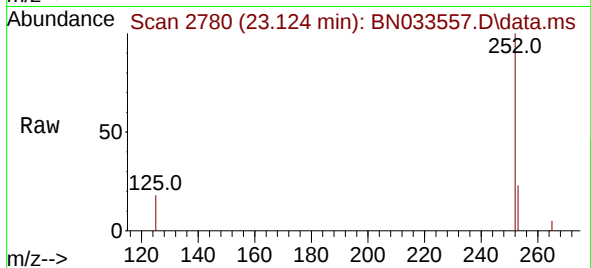
Acq: 22 Aug 2024 17:43

Instrument :

BNA_N

ClientSampleId :

916-J-SD-0-0.5-081624



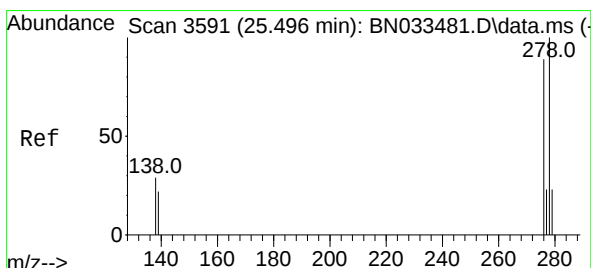
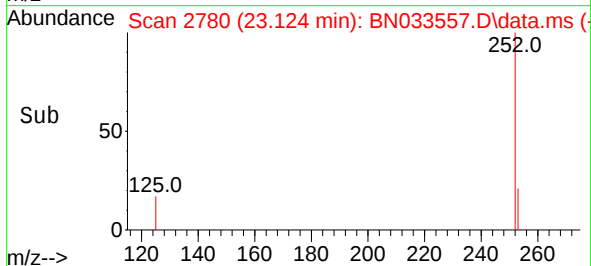
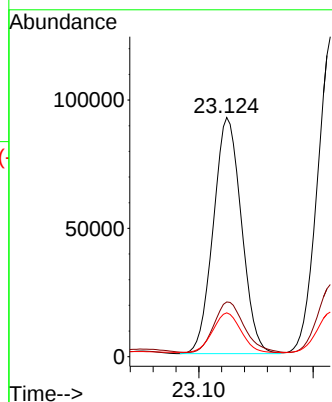
Tgt Ion:252 Resp: 157192

Ion Ratio Lower Upper

252 100

253 22.9 21.5 32.3

125 18.3 17.0 25.4



#40

Dibenzo(a,h)anthracene

Concen: 0.542 ng

RT: 25.469 min Scan# 3582

Delta R.T. -0.026 min

Lab File: BN033557.D

Acq: 22 Aug 2024 17:43

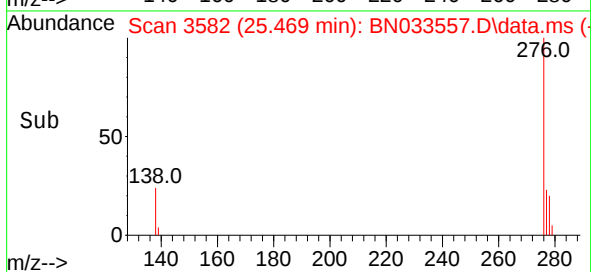
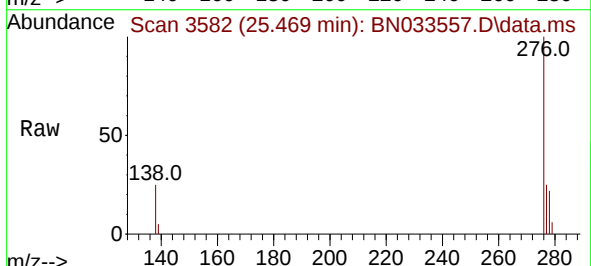
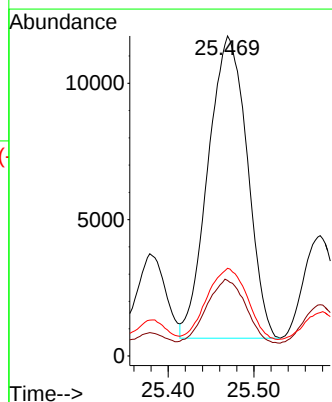
Tgt Ion:278 Resp: 35108

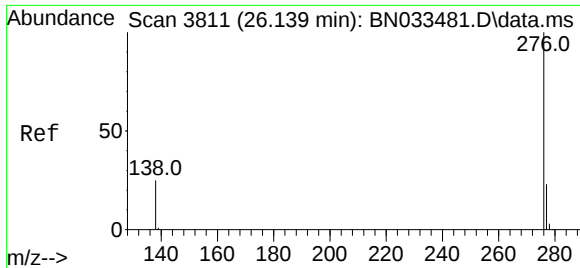
Ion Ratio Lower Upper

278 100

139 23.6 19.1 28.7

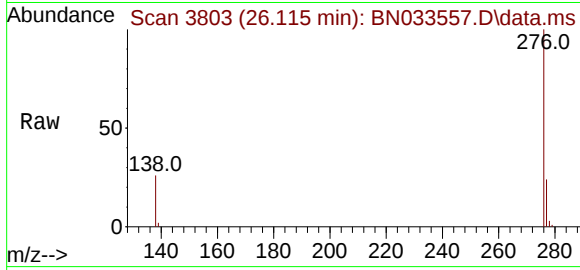
279 27.4 21.0 31.4





#41
Benzo(g,h,i)perylene
Concen: 2.323 ng
RT: 26.115 min Scan# 3803
Delta R.T. -0.023 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624



Tgt Ion:276 Resp: 160851
Ion Ratio Lower Upper
276 100
277 23.8 19.7 29.5
138 26.1 21.8 32.6

