

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091924\
 Data File : BN034050.D
 Acq On : 19 Sep 2024 14:33
 Operator : JU/RC
 Sample : P3845-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 19 15:06:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 18 16:09:28 2024
 Response via : Initial Calibration

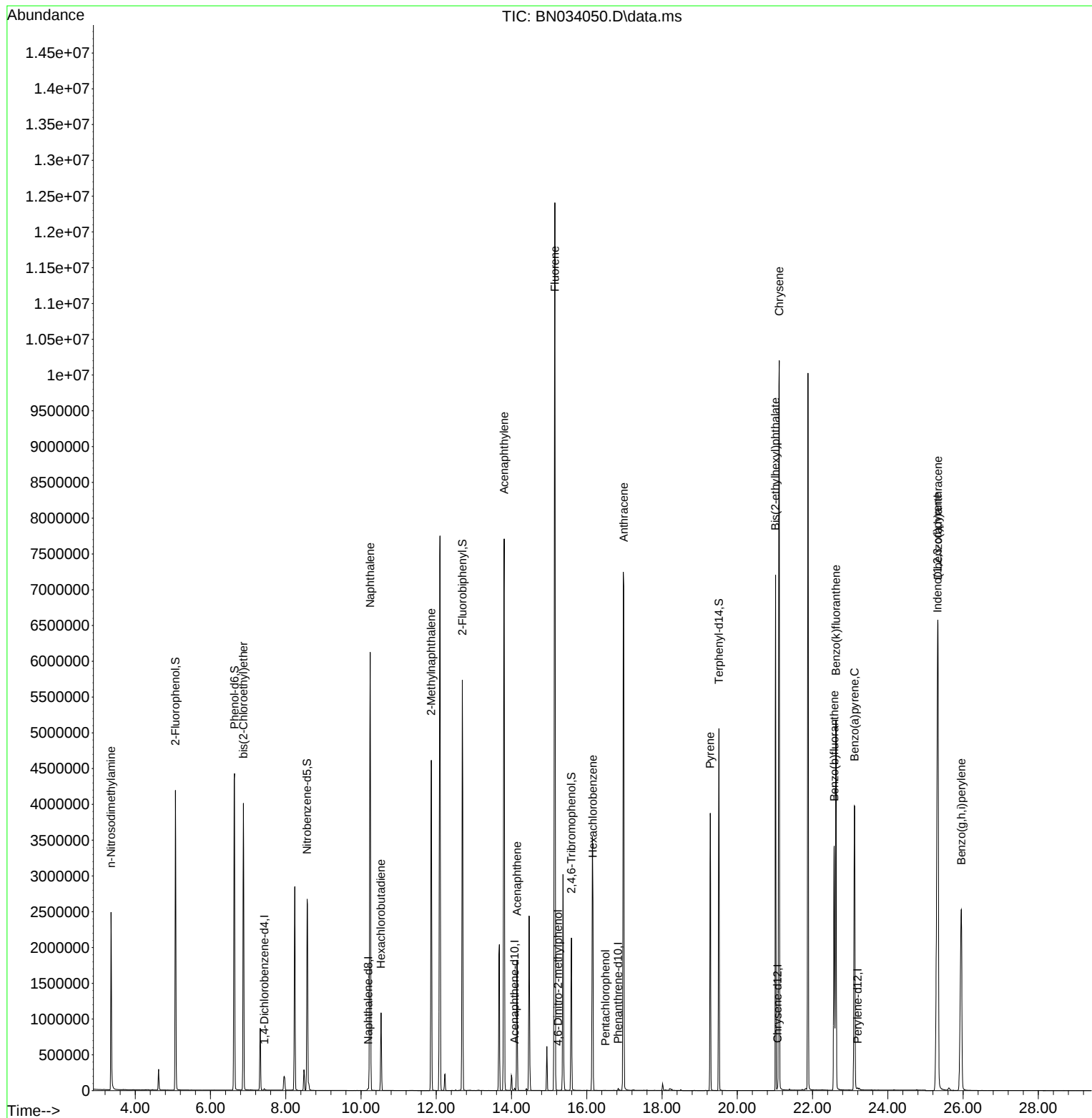
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.431	152	8708	0.400	ng	0.00
7) Naphthalene-d8	10.191	136	27951	0.400	ng	0.00
13) Acenaphthene-d10	14.083	164	16309	0.400	ng	0.00
19) Phenanthrene-d10	16.833	188	36587	0.400	ng	# 0.00
29) Chrysene-d12	21.071	240	29264	0.400	ng	# 0.01
35) Perylene-d12	23.198	264	24456	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.069	112	3016084	122.043	ng	0.00
5) Phenol-d6	6.636	99	4127265	143.580	ng	0.00
8) Nitrobenzene-d5	8.568	82	2160680	101.057	ng	0.00
11) 2-Methylnaphthalene-d10	11.780	152	6	0.000	ng	-0.01
14) 2,4,6-Tribromophenol	15.592	330	1165156	157.694	ng	0.00
15) 2-Fluorobiphenyl	12.693	172	4988190	75.200	ng	0.00
27) Fluoranthene-d10	18.881	212	22	0.000	ng	0.00
31) Terphenyl-d14	19.512	244	4963483	84.923	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.357	42	1232677	99.470	ng	# 93
6) bis(2-Chloroethyl)ether	6.874	93	2662032	104.672	ng	97
9) Naphthalene	10.244	128	7999941	104.287	ng	99
10) Hexachlorobutadiene	10.532	225	825388	57.109	ng	# 99
12) 2-Methylnaphthalene	11.867	142	3430110	68.709	ng	98
16) Acenaphthylene	13.805	152	9000919	128.932	ng	98
17) Acenaphthene	14.147	154	890037	17.775	ng	97
18) Fluorene	15.152	166	7822950	119.059	ng	96
20) 4,6-Dinitro-2-methylph...	15.238	198	10	0.139	ng	# 1
22) Hexachlorobenzene	16.163	284	2991898	129.743	ng	94
24) Pentachlorophenol	16.498	266	349	0.046	ng	# 46
26) Anthracene	16.982	178	8846108	103.175	ng	98
30) Pyrene	19.280	202	3489688	28.253	ng	99
33) Chrysene	21.116	228	9720934	88.016	ng	96
34) Bis(2-ethylhexyl)phtha...	21.017	149	5145035	133.413	ng	# 92
36) Indeno(1,2,3-cd)pyrene	25.320	276	7703160	73.508	ng	98
37) Benzo(b)fluoranthene	22.575	252	4311382	45.004	ng	# 94
38) Benzo(k)fluoranthene	22.622	252	6048310	60.141	ng	# 90
39) Benzo(a)pyrene	23.113	252	5477696	70.150	ng	# 88
40) Dibenzo(a,h)anthracene	25.332	278	5437200	66.791	ng	97
41) Benzo(g,h,i)perylene	25.952	276	4936819	53.993	ng	99

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

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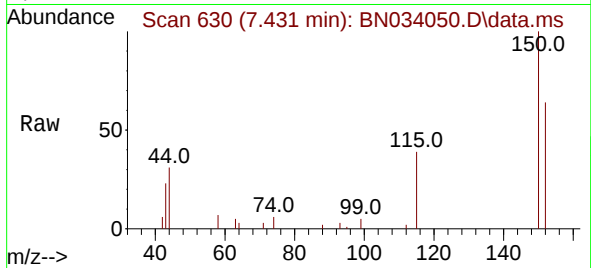
Quant Time: Sep 19 15:06:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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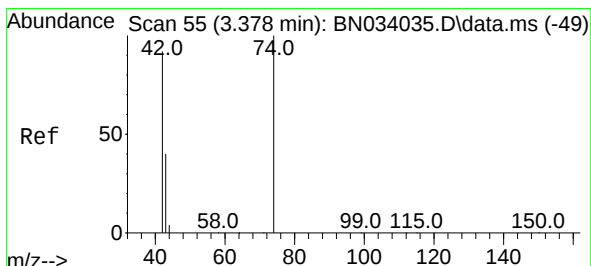
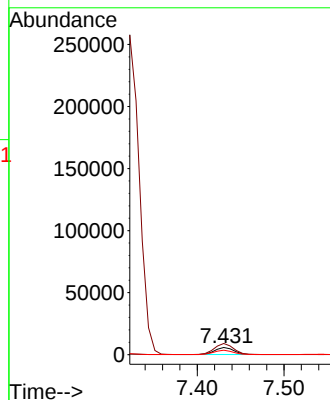
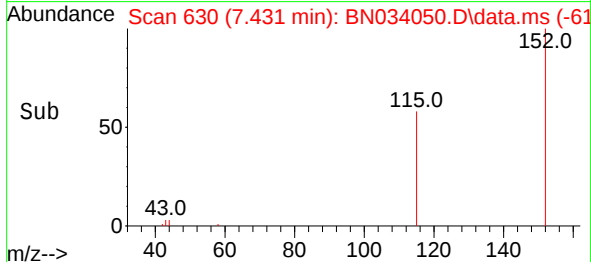


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.431 min Scan# 61
Delta R.T. -0.006 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33

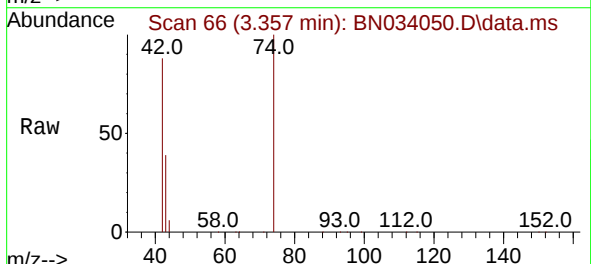
Instrument :
BNA_N
ClientSampleId :



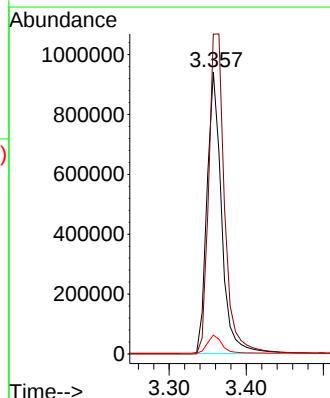
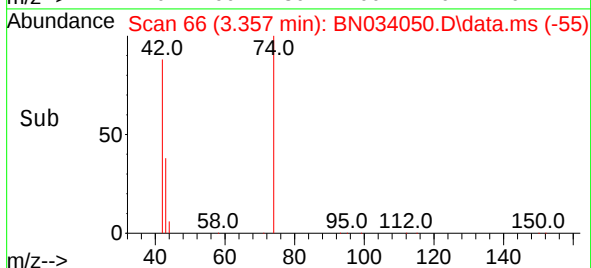
Tgt Ion:152 Resp: 8708
Ion Ratio Lower Upper
152 100
150 155.5 124.6 187.0
115 61.3 50.0 75.0



#3
n-Nitrosodimethylamine
Concen: 99.470 ng
RT: 3.357 min Scan# 66
Delta R.T. -0.021 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33



Tgt Ion: 42 Resp: 1232677
Ion Ratio Lower Upper
42 100
74 123.9 94.6 142.0
44 6.5 12.4 18.6#





#4

2-Fluorophenol

Concen: 122.043 ng

RT: 5.069 min Scan# 301

Delta R.T. -0.006 min

Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

Instrument :

BNA_N

ClientSampleId :

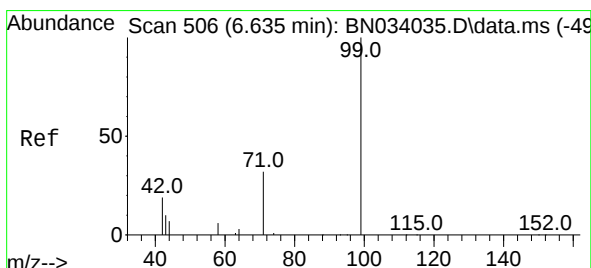
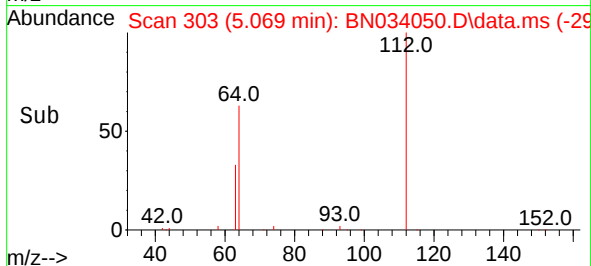
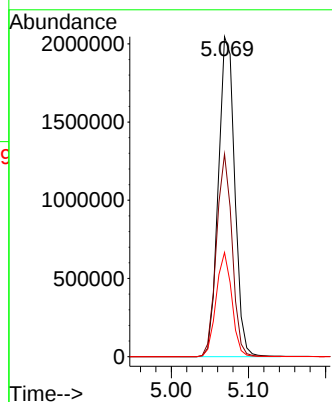
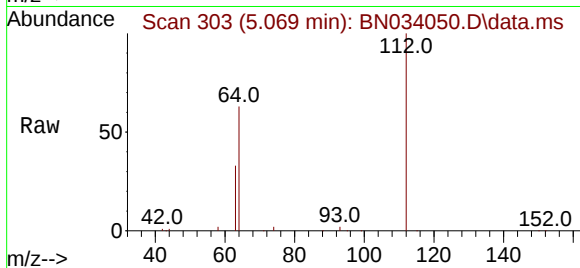
Tgt Ion:112 Resp: 3016084

Ion Ratio Lower Upper

112 100

64 60.5 48.6 72.8

63 31.2 25.6 38.4



#5

Phenol-d6

Concen: 143.580 ng

RT: 6.636 min Scan# 520

Delta R.T. 0.001 min

Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

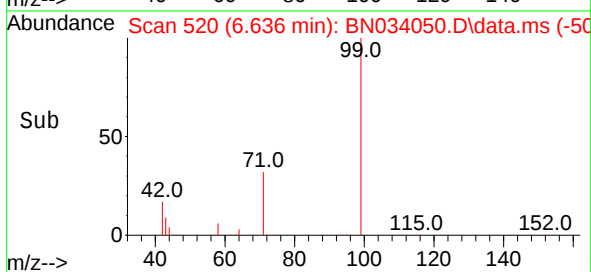
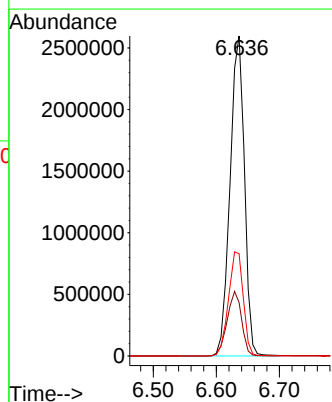
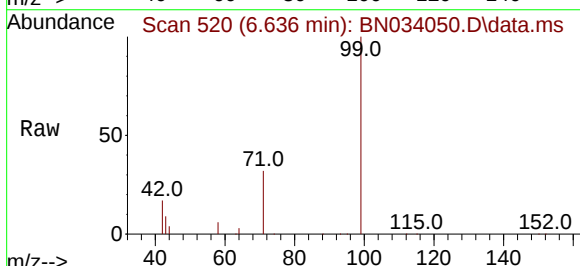
Tgt Ion: 99 Resp: 4127265

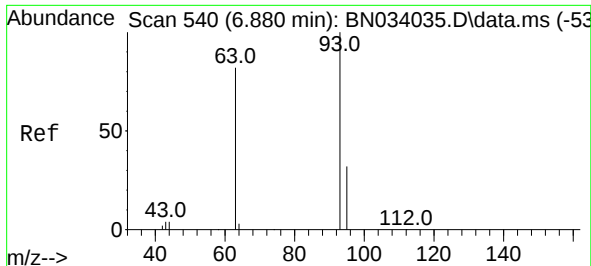
Ion Ratio Lower Upper

99 100

42 20.2 17.8 26.8

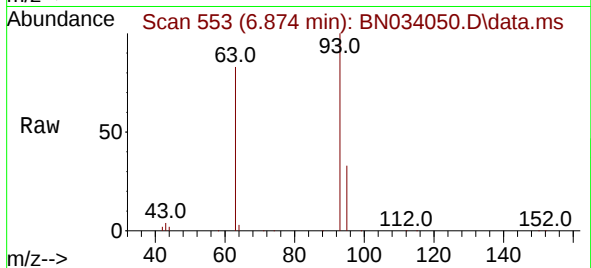
71 33.5 26.2 39.2





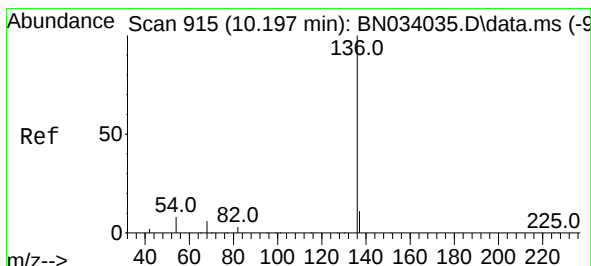
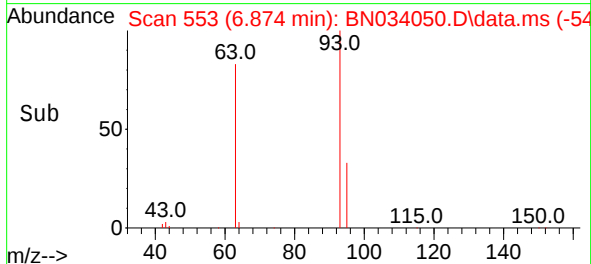
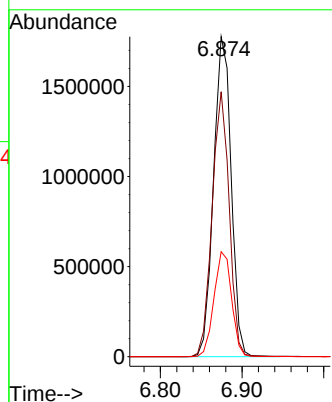
#6
bis(2-Chloroethyl)ether
Concen: 104.672 ng
RT: 6.874 min Scan# 51
Delta R.T. -0.006 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33

Instrument :
BNA_N
ClientSampleId :



Tgt Ion: 93 Resp: 2662032

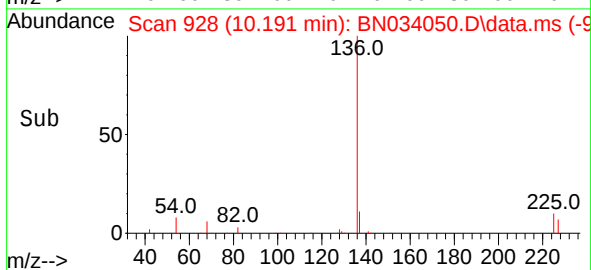
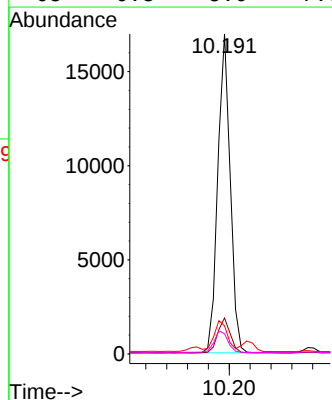
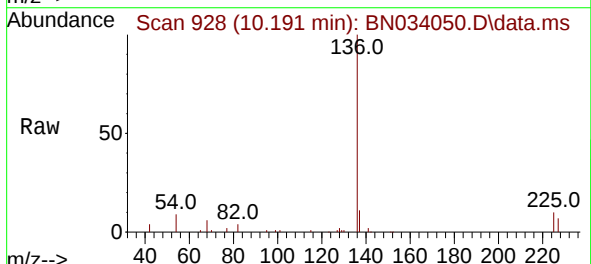
Ion	Ratio	Lower	Upper
93	100		
63	80.3	67.3	100.9
95	32.9	26.8	40.2

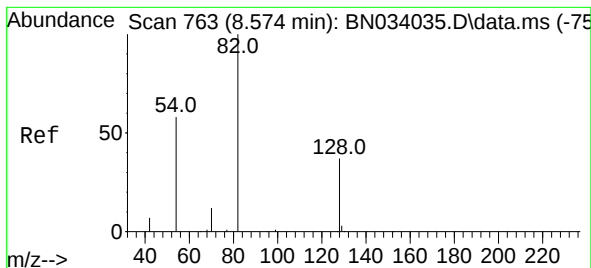


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.191 min Scan# 928
Delta R.T. -0.006 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33

Tgt Ion:136 Resp: 27951

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	8.8	6.8	10.2
68	6.3	5.0	7.6





#8

Nitrobenzene-d5

Concen: 101.057 ng

RT: 8.568 min Scan# 71

Delta R.T. -0.006 min

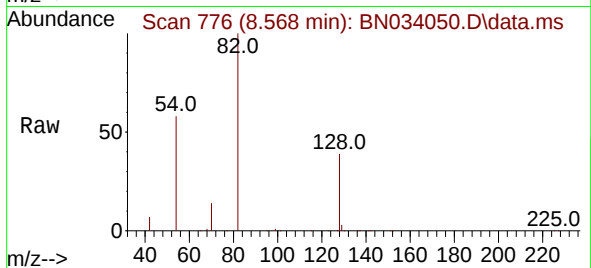
Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

Instrument :

BNA_N

ClientSampleId :



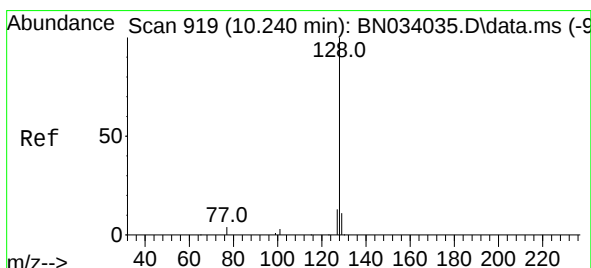
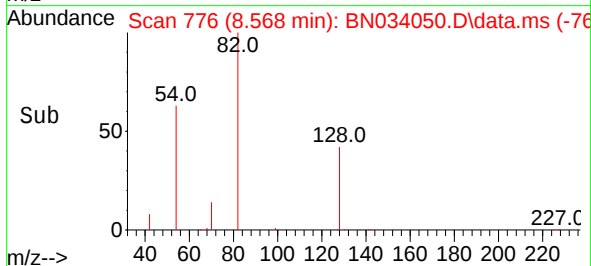
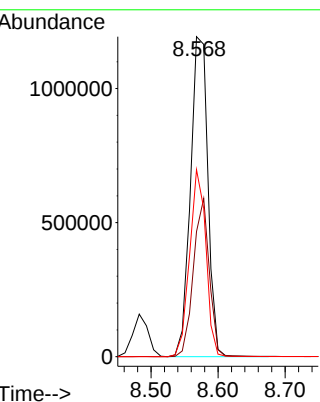
Tgt Ion: 82 Resp: 2160680

Ion Ratio Lower Upper

82 100

128 39.1 31.4 47.2

54 58.5 47.4 71.0



#9

Naphthalene

Concen: 104.287 ng

RT: 10.244 min Scan# 933

Delta R.T. 0.005 min

Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

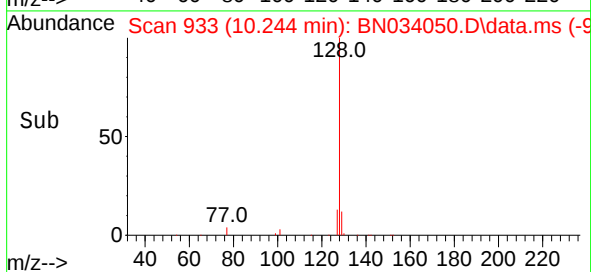
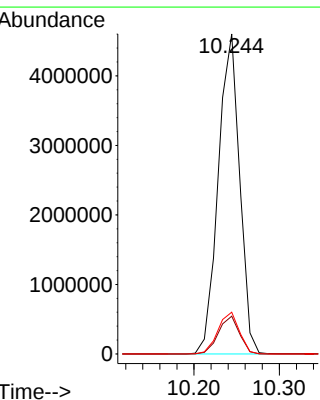
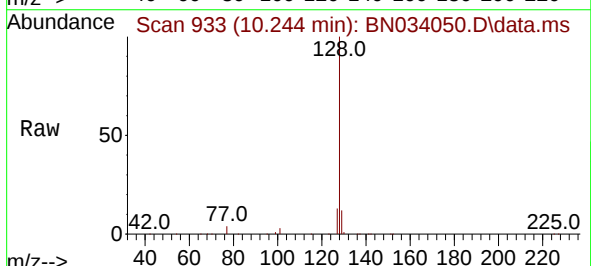
Tgt Ion:128 Resp: 7999941

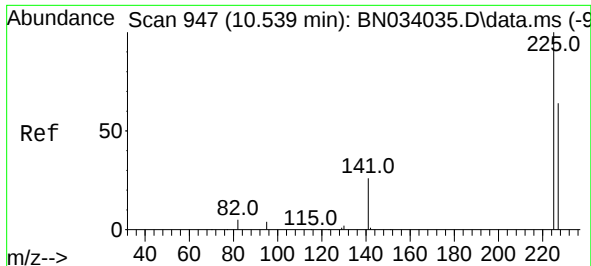
Ion Ratio Lower Upper

128 100

129 11.8 9.2 13.8

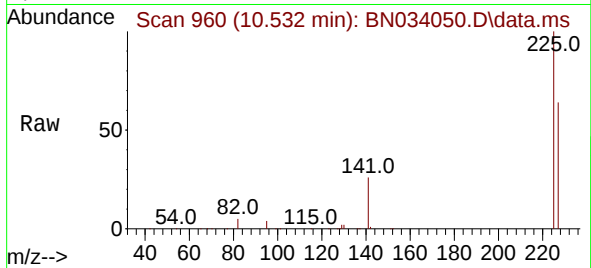
127 13.0 10.7 16.1



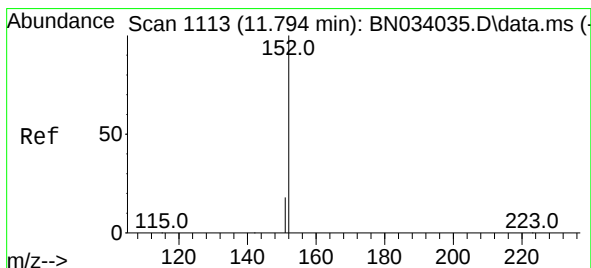
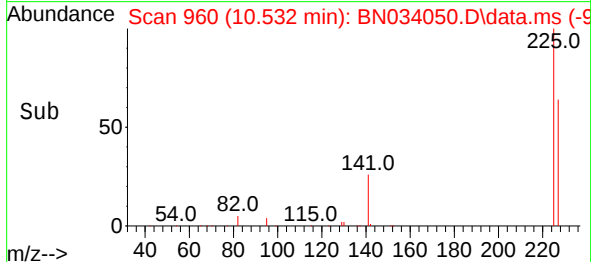
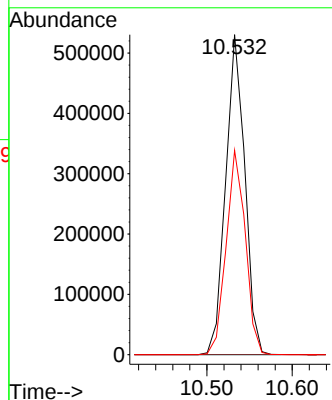


#10
Hexachlorobutadiene
Concen: 57.109 ng
RT: 10.532 min Scan# 91
Delta R.T. -0.006 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33

Instrument :
BNA_N
ClientSampleId :

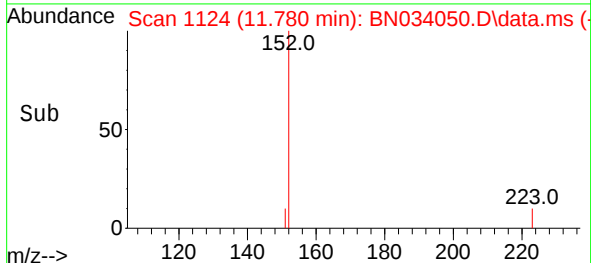
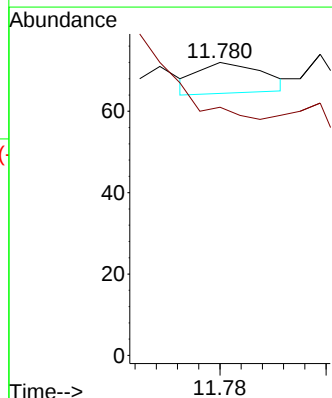
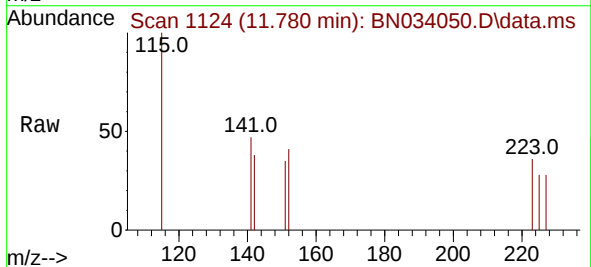


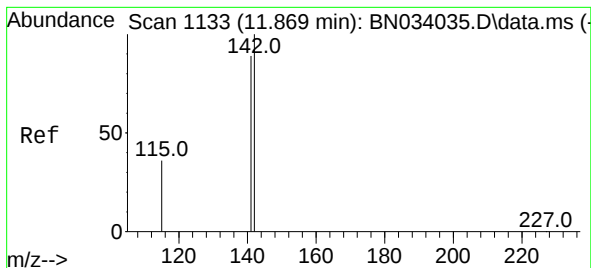
Tgt Ion:225 Resp: 825388
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.2 50.5 75.7



#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 11.780 min Scan# 1124
Delta R.T. -0.014 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33

Tgt Ion:152 Resp: 6
Ion Ratio Lower Upper
152 100
151 0.0 16.8 25.2#

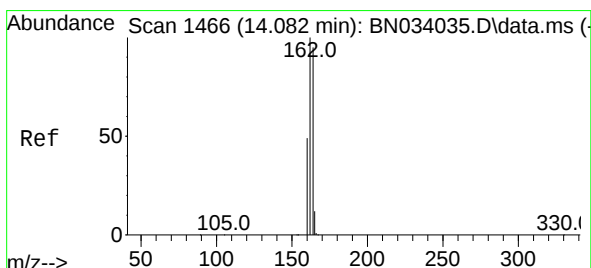
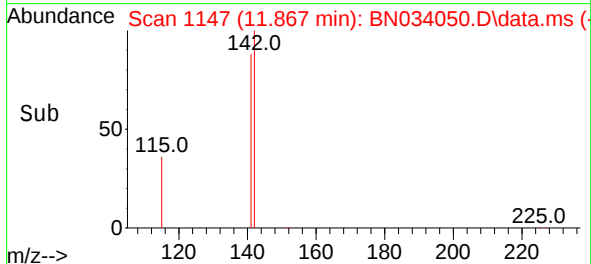
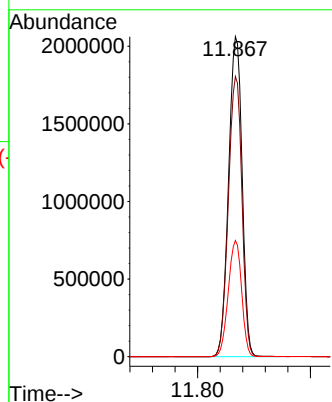
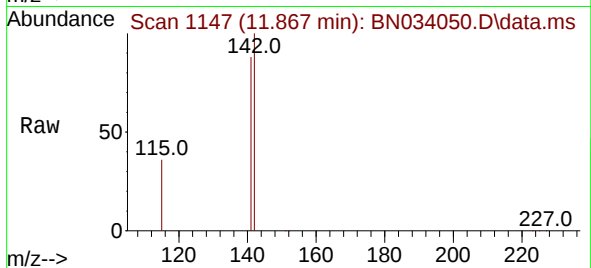




#12
2-Methylnaphthalene
Concen: 68.709 ng
RT: 11.867 min Scan# 1133
Delta R.T. -0.002 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33

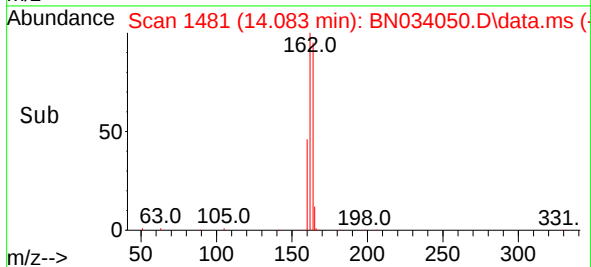
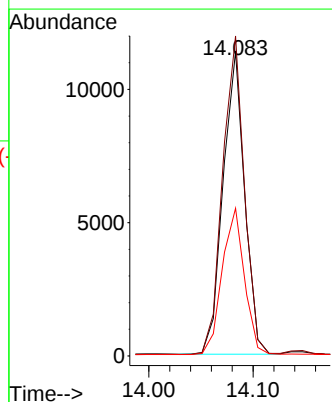
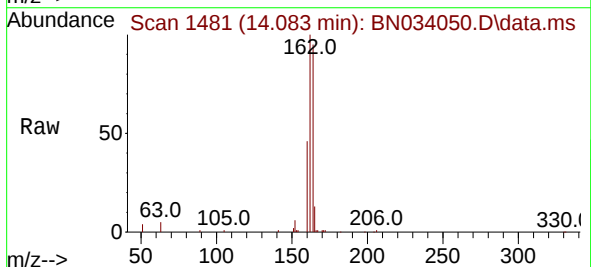
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ClientSampleId :

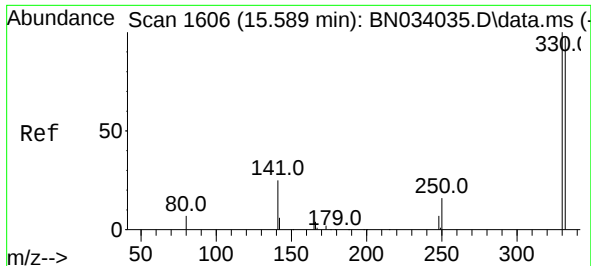
Tgt Ion:142 Resp: 3430110
Ion Ratio Lower Upper
142 100
141 87.6 71.6 107.4
115 36.3 30.0 45.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.083 min Scan# 1481
Delta R.T. 0.001 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33

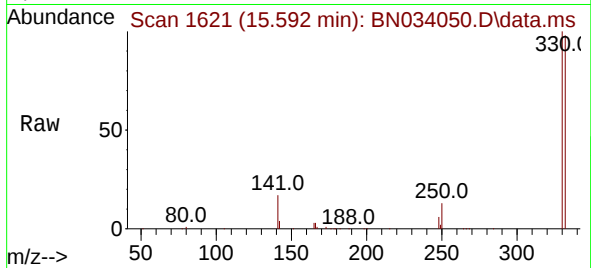
Tgt Ion:164 Resp: 16309
Ion Ratio Lower Upper
164 100
162 105.1 84.2 126.2
160 48.5 41.7 62.5



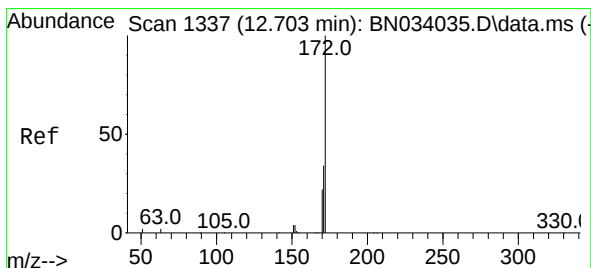
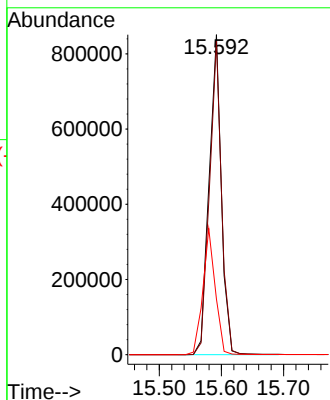
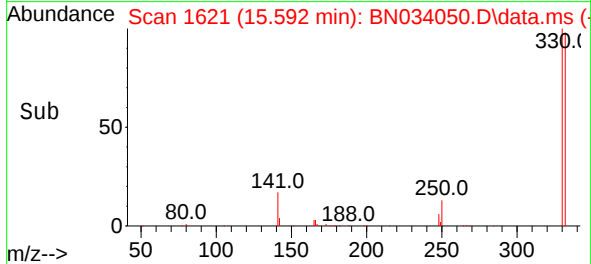


#14
2,4,6-Tribromophenol
Concen: 157.694 ng
RT: 15.592 min Scan# 1621
Delta R.T. 0.003 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33

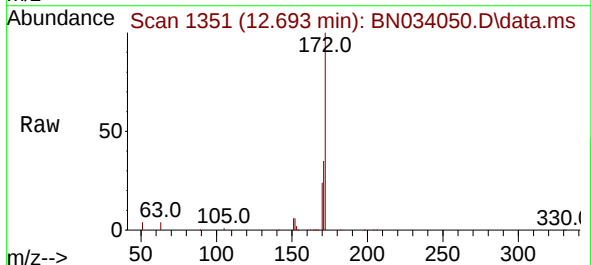
Instrument :
BNA_N
ClientSampleId :



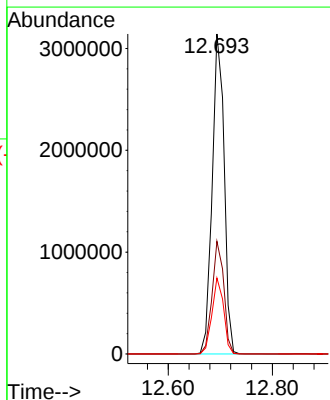
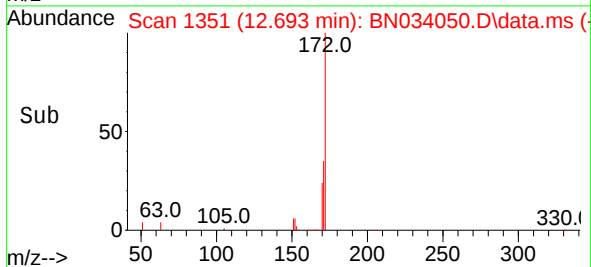
Tgt Ion:330 Resp: 1165156
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 40.1 35.9 53.9

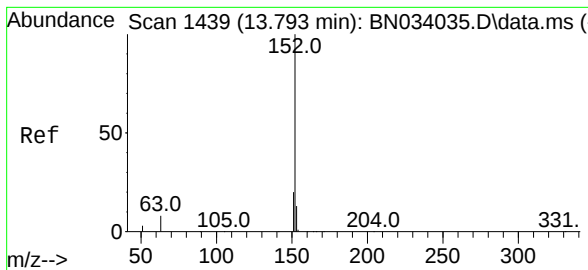


#15
2-Fluorobiphenyl
Concen: 75.200 ng
RT: 12.693 min Scan# 1351
Delta R.T. -0.009 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33



Tgt Ion:172 Resp: 4988190
Ion Ratio Lower Upper
172 100
171 35.2 27.3 40.9
170 23.8 18.1 27.1

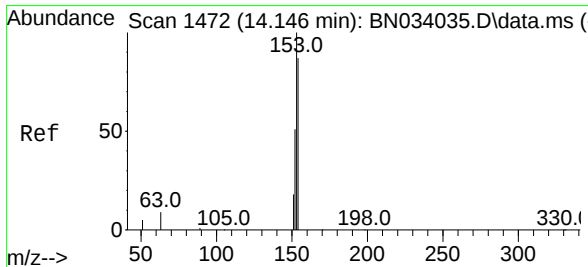
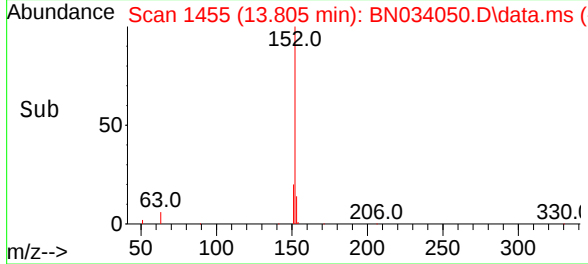
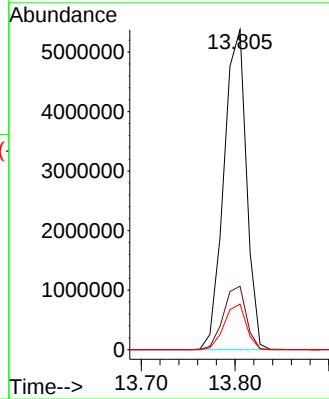
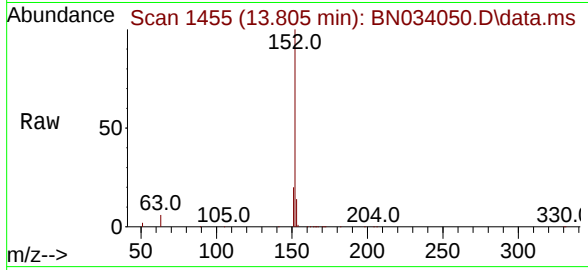




#16
Acenaphthylene
Concen: 128.932 ng
RT: 13.805 min Scan# 1439
Delta R.T. 0.012 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33

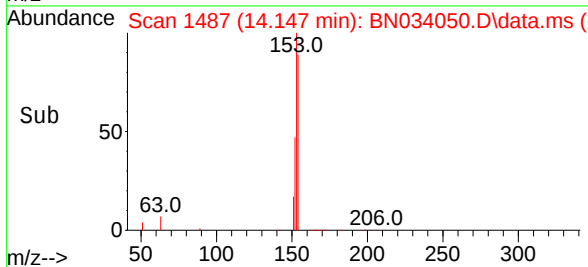
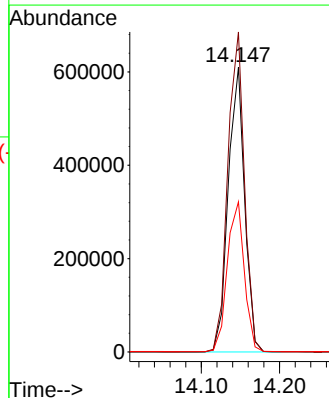
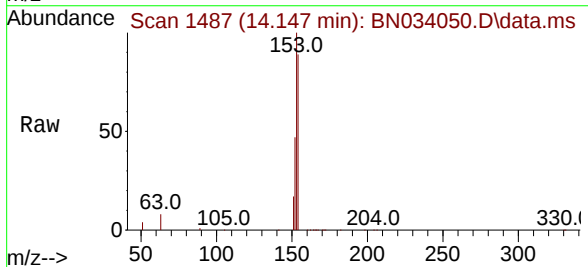
Instrument :
BNA_N
ClientSampleId :

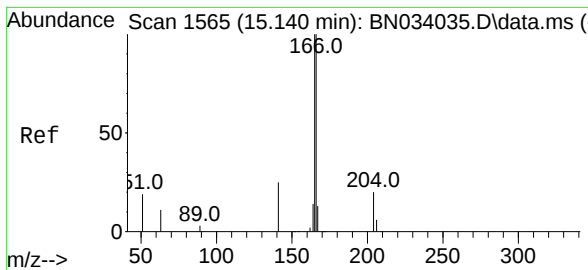
Tgt Ion:152 Resp: 9000919
Ion Ratio Lower Upper
152 100
151 20.0 15.6 23.4
153 14.0 10.3 15.5



#17
Acenaphthene
Concen: 17.775 ng
RT: 14.147 min Scan# 1487
Delta R.T. 0.001 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33

Tgt Ion:154 Resp: 890037
Ion Ratio Lower Upper
154 100
153 113.7 91.6 137.4
152 54.5 47.4 71.2





#18

Fluorene

Concen: 119.059 ng

RT: 15.152 min Scan# 1581

Delta R.T. 0.012 min

Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

Instrument :

BNA_N

ClientSampleId :

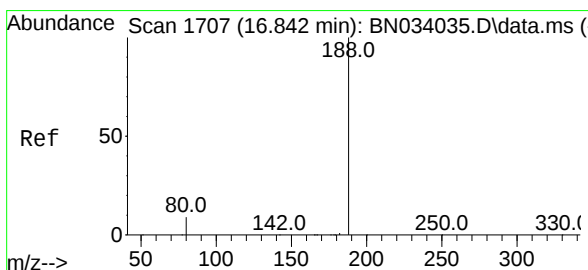
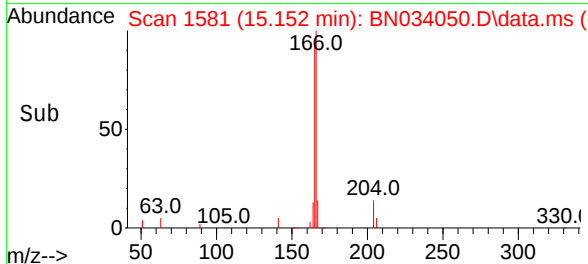
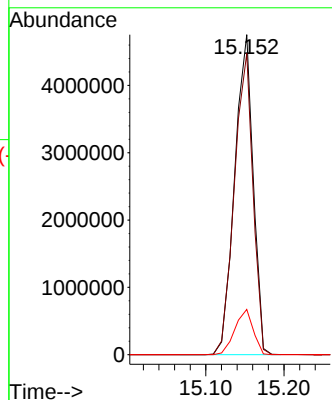
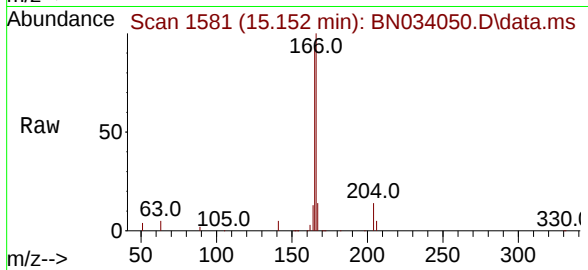
Tgt Ion:166 Resp: 7822950

Ion Ratio Lower Upper

166 100

165 94.7 79.1 118.7

167 14.0 10.6 15.8



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.833 min Scan# 1721

Delta R.T. -0.009 min

Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

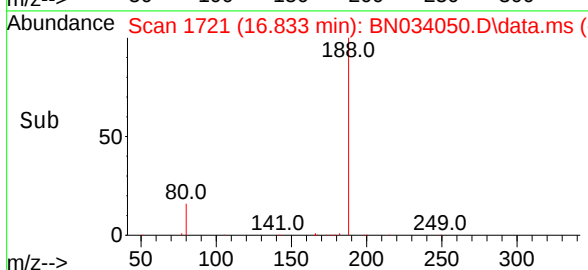
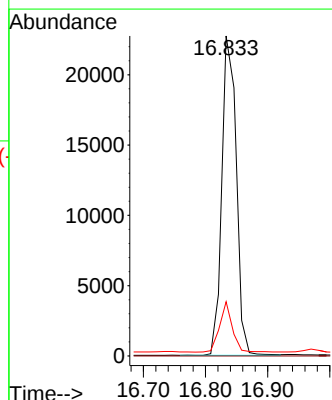
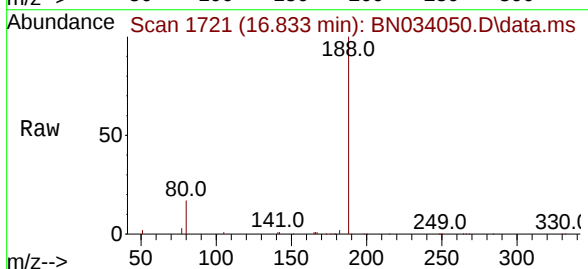
Tgt Ion:188 Resp: 36587

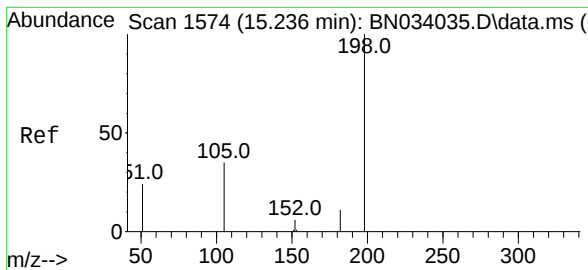
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 16.9 7.4 11.0#

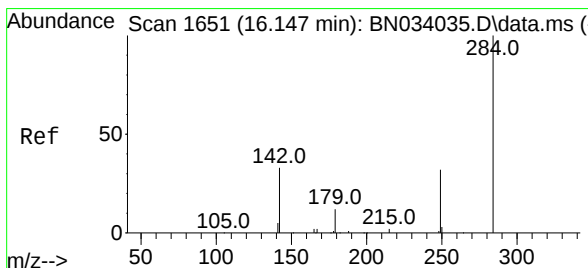
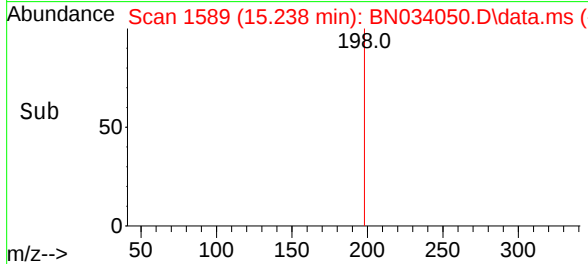
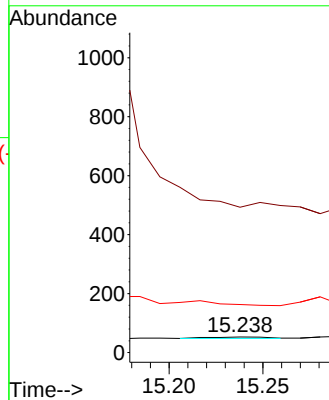
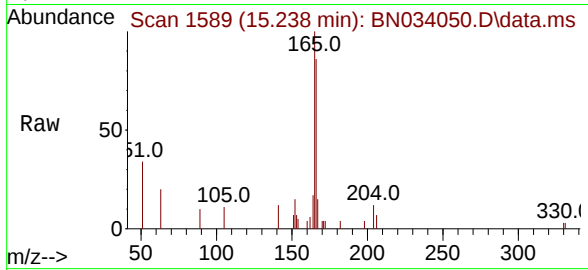




#20
4,6-Dinitro-2-methylphenol
Concen: 0.139 ng
RT: 15.238 min Scan# 1589
Delta R.T. 0.002 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33

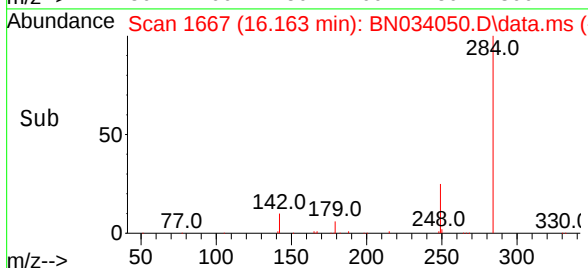
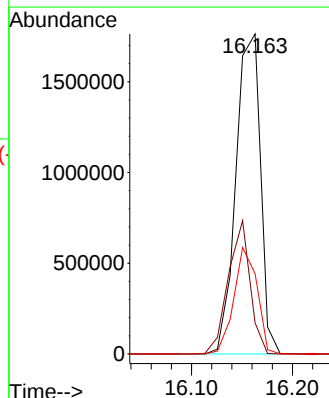
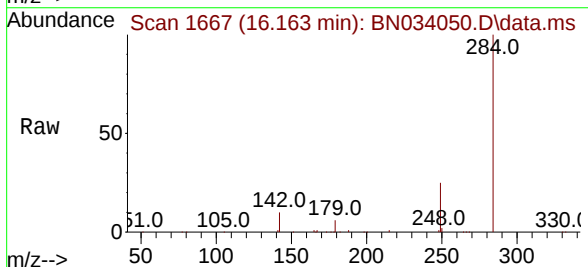
Instrument :
BNA_N
ClientSampleId :

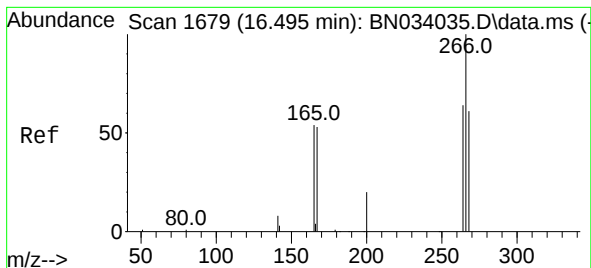
Tgt Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
51 930.2 106.4 159.6#
105 307.5 38.5 57.7#



#22
Hexachlorobenzene
Concen: 129.743 ng
RT: 16.163 min Scan# 1667
Delta R.T. 0.016 min
Lab File: BN034050.D
Acq: 19 Sep 2024 14:33

Tgt Ion:284 Resp: 2991898
Ion Ratio Lower Upper
284 100
142 37.0 34.5 51.7
249 31.3 25.8 38.6





#24

Pentachlorophenol

Concen: 0.046 ng

RT: 16.498 min Scan# 1

Delta R.T. 0.003 min

Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

Instrument :

BNA_N

ClientSampleId :

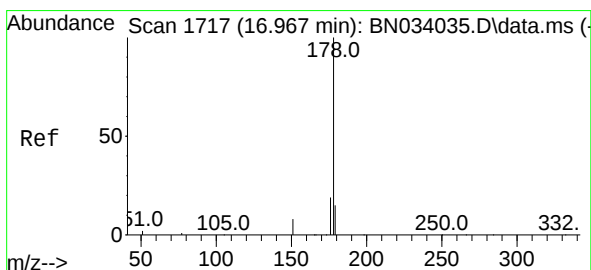
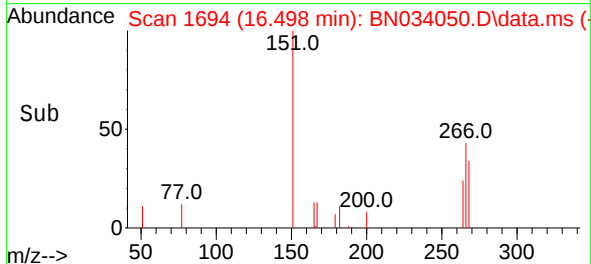
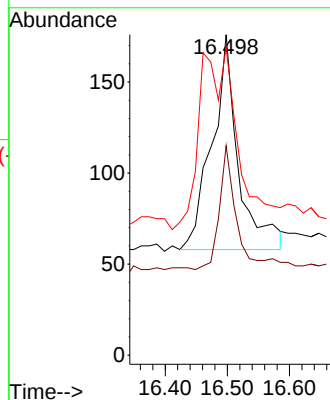
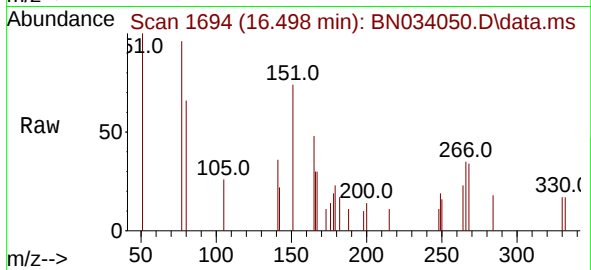
Tgt Ion:266 Resp: 349

Ion Ratio Lower Upper

266 100

264 37.8 50.2 75.2#

268 122.3 51.0 76.4#



#26

Anthracene

Concen: 103.175 ng

RT: 16.982 min Scan# 1733

Delta R.T. 0.016 min

Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

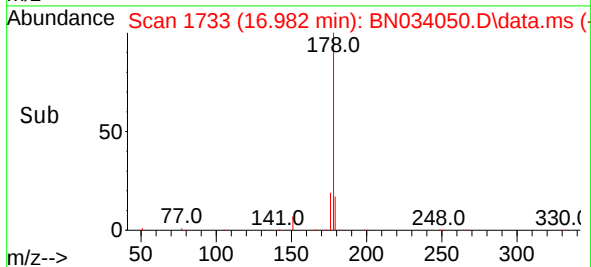
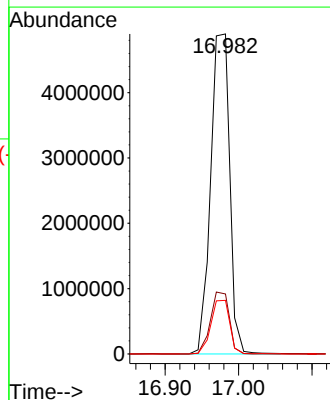
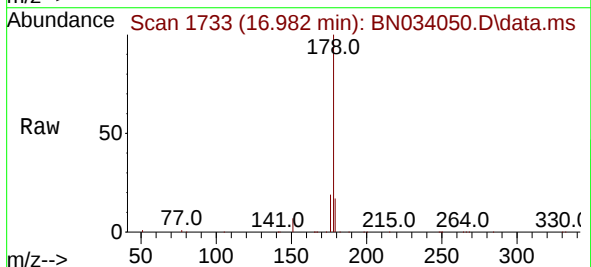
Tgt Ion:178 Resp: 8846108

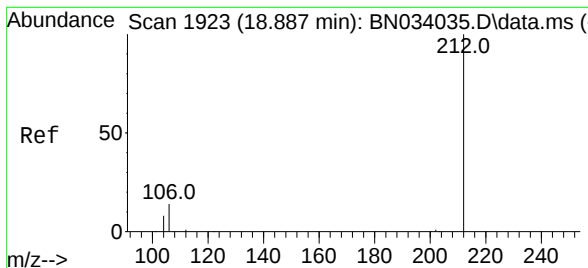
Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.6

179 16.5 12.2 18.4





#27

Fluoranthene-d10

Concen: 0.000 ng

RT: 18.881 min Scan# 1923

Delta R.T. -0.006 min

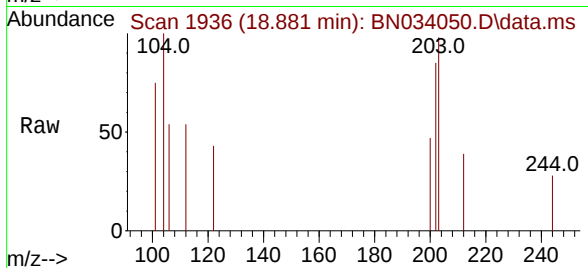
Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

Instrument :

BNA_N

ClientSampleId :



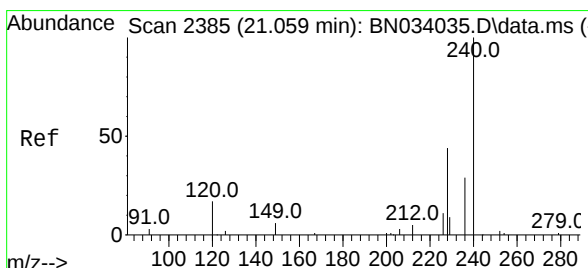
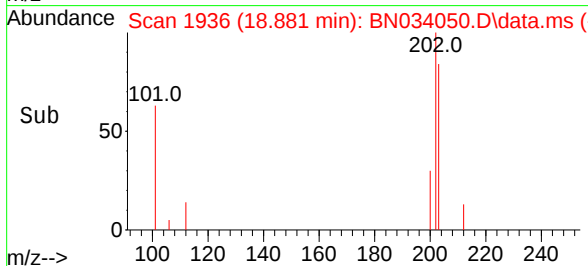
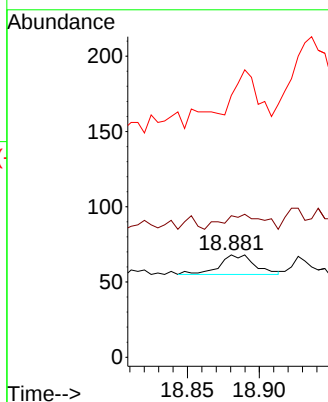
Tgt Ion:212 Resp: 22

Ion Ratio Lower Upper

212 100

106 86.4 13.4 20.2#

104 150.0 7.8 11.6#



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.071 min Scan# 2401

Delta R.T. 0.012 min

Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

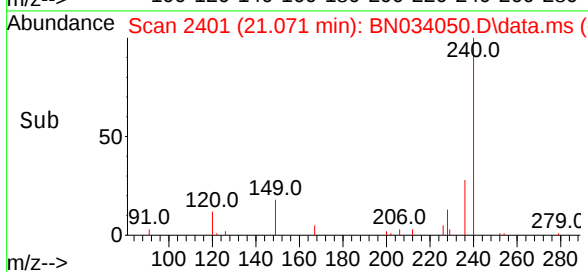
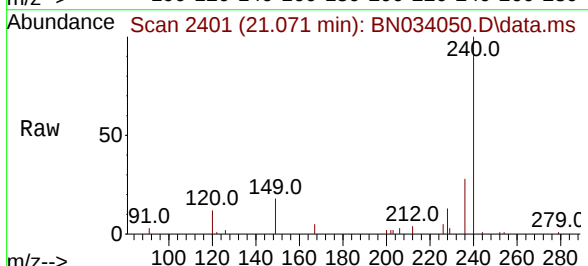
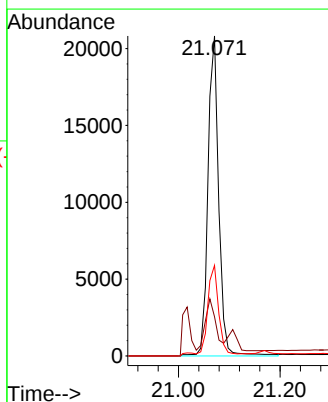
Tgt Ion:240 Resp: 29264

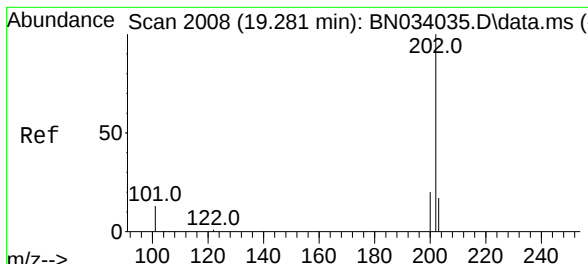
Ion Ratio Lower Upper

240 100

120 12.2 13.5 20.3#

236 28.3 23.4 35.0

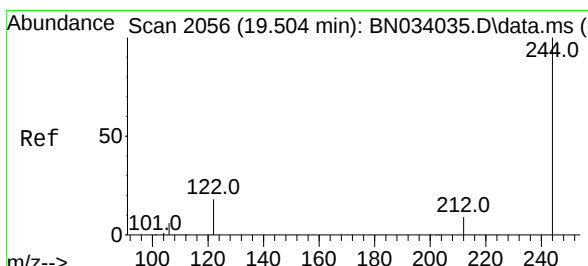
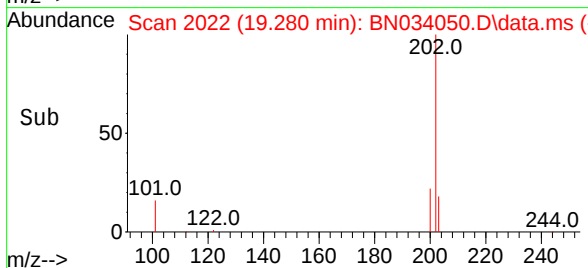
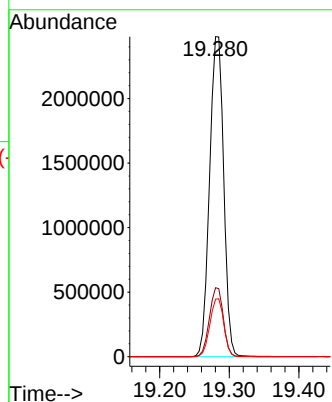
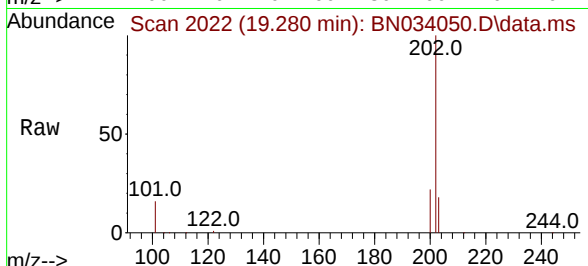




#30
 Pyrene
 Concen: 28.253 ng
 RT: 19.280 min Scan# 2008
 Delta R.T. -0.001 min
 Lab File: BN034050.D
 Acq: 19 Sep 2024 14:33

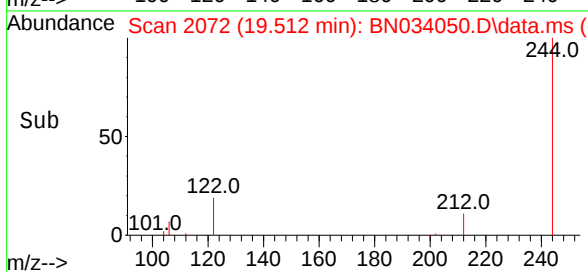
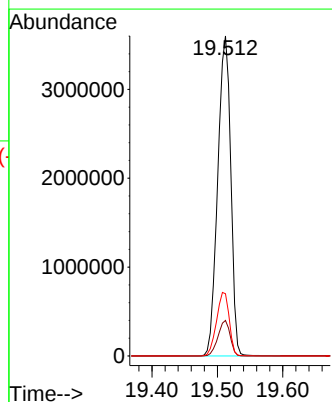
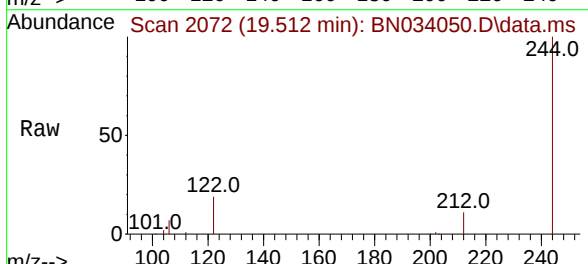
Instrument :
 BNA_N
 ClientSampleId :

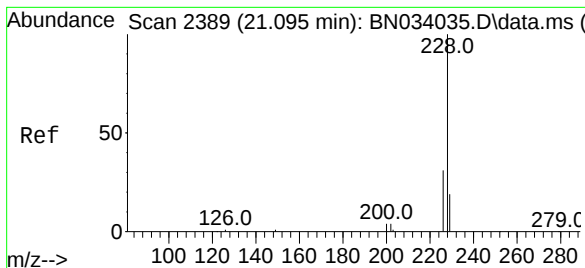
Tgt Ion:202 Resp: 3489688
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.6 25.0
 203 17.8 14.3 21.5



#31
 Terphenyl-d14
 Concen: 84.923 ng
 RT: 19.512 min Scan# 2072
 Delta R.T. 0.008 min
 Lab File: BN034050.D
 Acq: 19 Sep 2024 14:33

Tgt Ion:244 Resp: 4963483
 Ion Ratio Lower Upper
 244 100
 212 11.1 7.8 11.6
 122 19.5 14.8 22.2





#33

Chrysene

Concen: 88.016 ng

RT: 21.116 min Scan# 2406

Delta R.T. 0.021 min

Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

Instrument :

BNA_N

ClientSampleId :

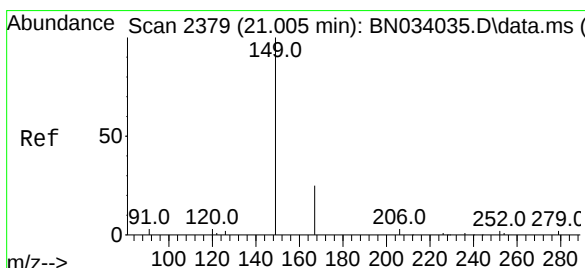
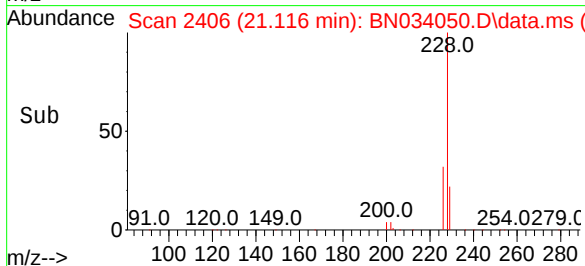
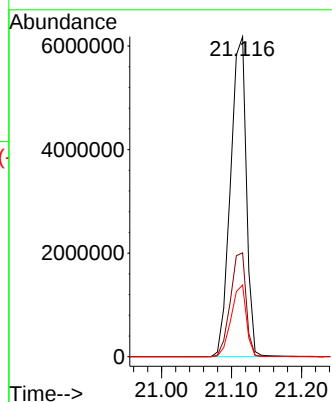
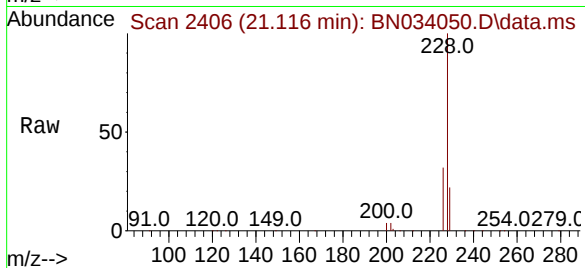
Tgt Ion:228 Resp: 9720934

Ion Ratio Lower Upper

228 100

226 32.4 24.6 37.0

229 22.4 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 133.413 ng

RT: 21.017 min Scan# 2395

Delta R.T. 0.012 min

Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

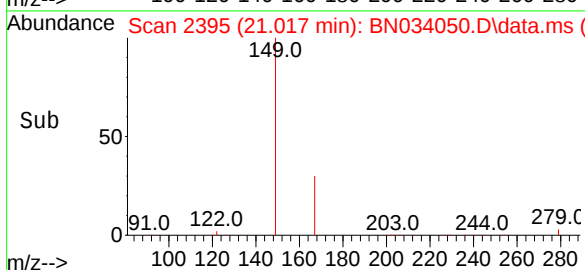
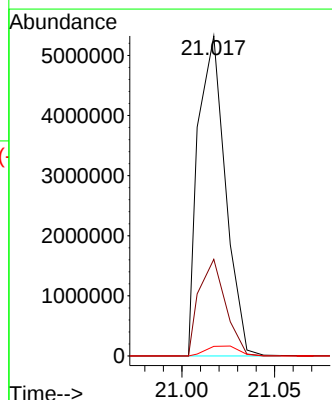
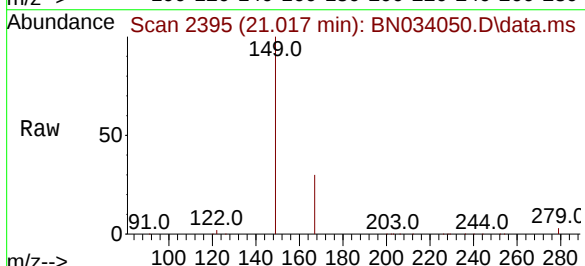
Tgt Ion:149 Resp: 5145035

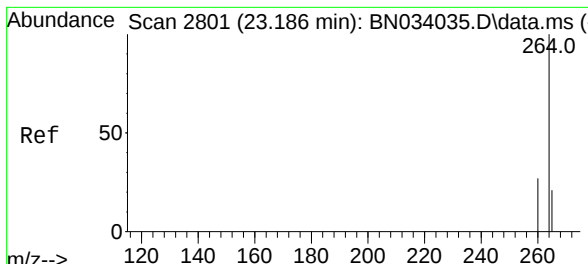
Ion Ratio Lower Upper

149 100

167 29.2 19.9 29.9

279 3.5 4.6 6.8#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.198 min Scan# 21

Delta R.T. 0.012 min

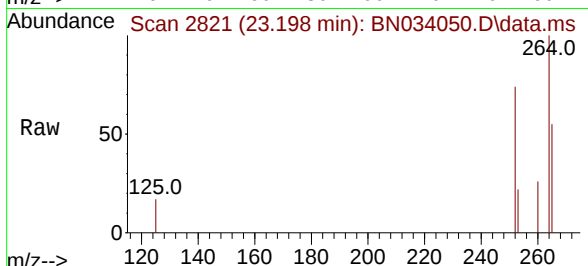
Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

Instrument :

BNA_N

ClientSampleId :



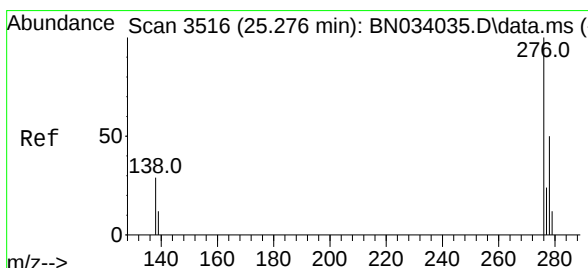
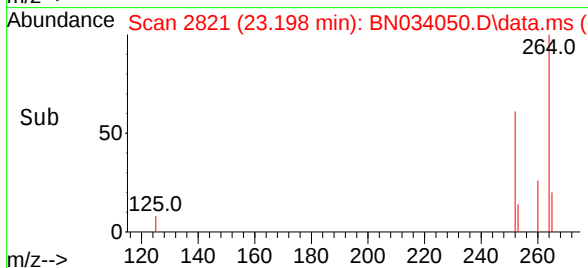
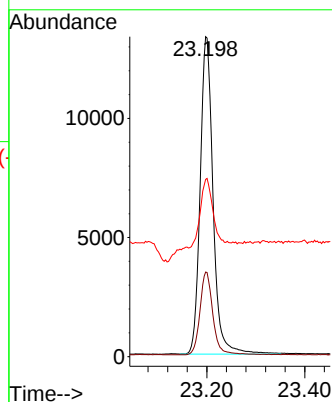
Tgt Ion:264 Resp: 24456

Ion Ratio Lower Upper

264 100

260 26.4 21.7 32.5

265 55.4 52.1 78.1



#36

Indeno(1,2,3-cd)pyrene

Concen: 73.508 ng

RT: 25.320 min Scan# 3547

Delta R.T. 0.044 min

Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

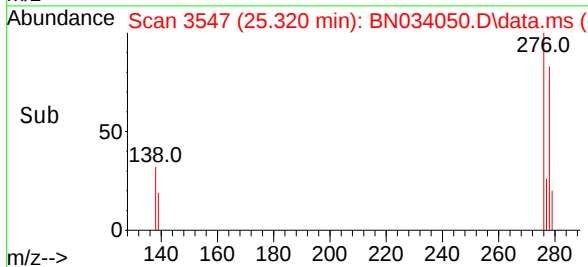
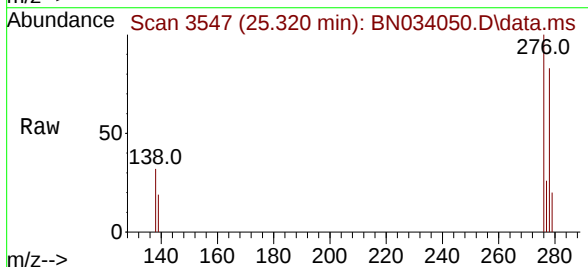
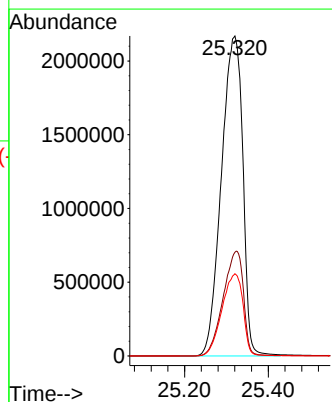
Tgt Ion:276 Resp: 7703160

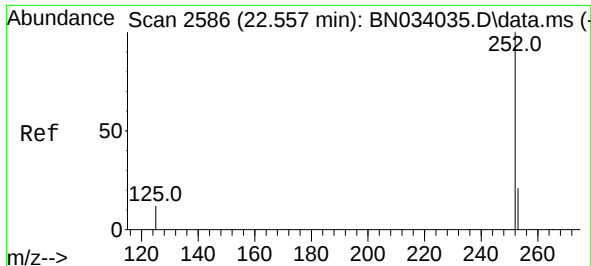
Ion Ratio Lower Upper

276 100

138 31.2 25.9 38.9

277 25.3 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 45.004 ng

RT: 22.575 min Scan# 2608

Delta R.T. 0.018 min

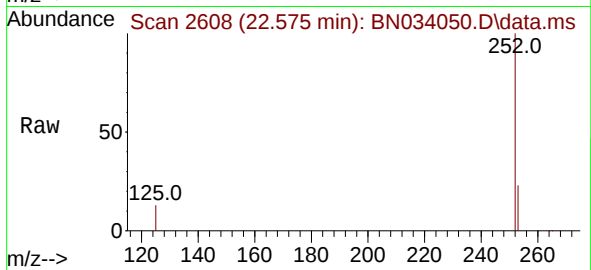
Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

Instrument :

BNA_N

ClientSampleId :



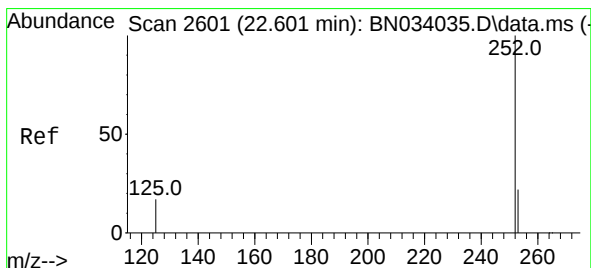
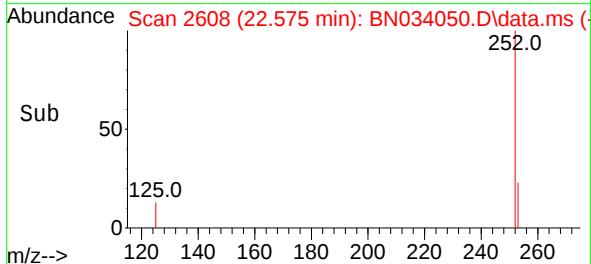
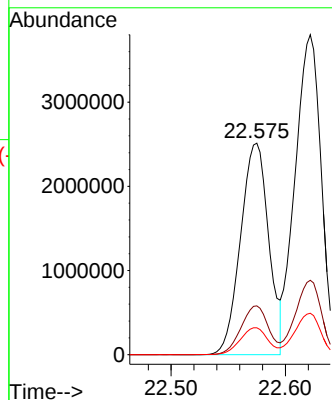
Tgt Ion:252 Resp: 4311382

Ion Ratio Lower Upper

252 100

253 23.1 19.6 29.4

125 12.7 13.8 20.8#



#38

Benzo(k)fluoranthene

Concen: 60.141 ng

RT: 22.622 min Scan# 2624

Delta R.T. 0.021 min

Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

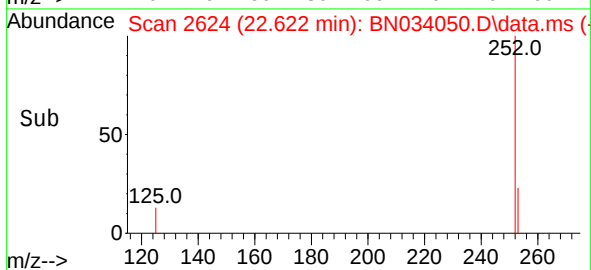
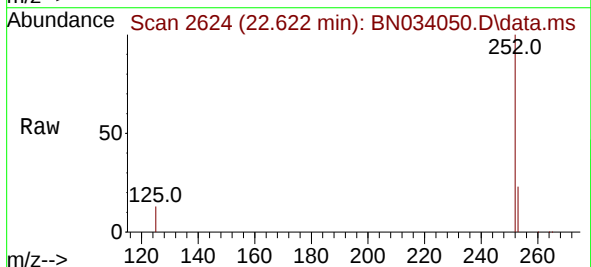
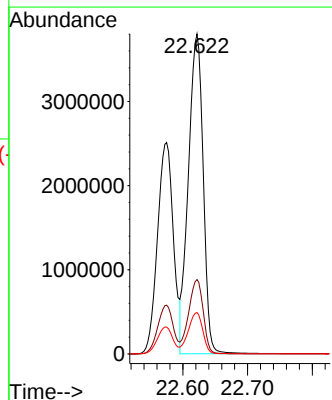
Tgt Ion:252 Resp: 6048310

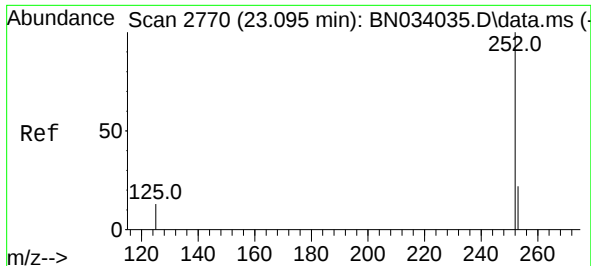
Ion Ratio Lower Upper

252 100

253 23.3 20.1 30.1

125 12.9 16.8 25.2#





#39

Benzo(a)pyrene

Concen: 70.150 ng

RT: 23.113 min Scan# 21

Delta R.T. 0.018 min

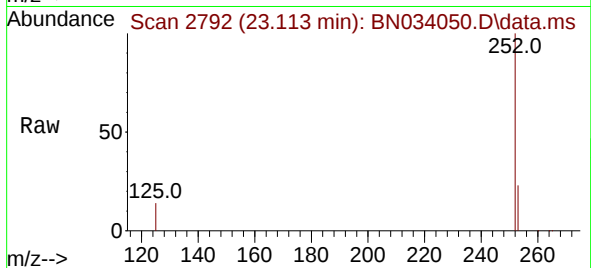
Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

Instrument :

BNA_N

ClientSampleId :



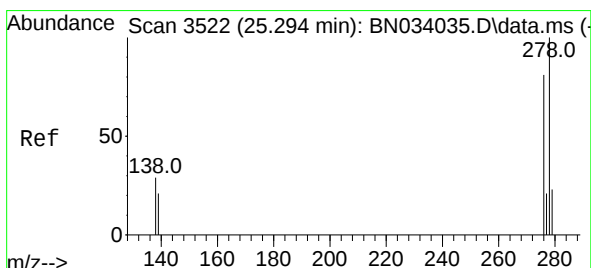
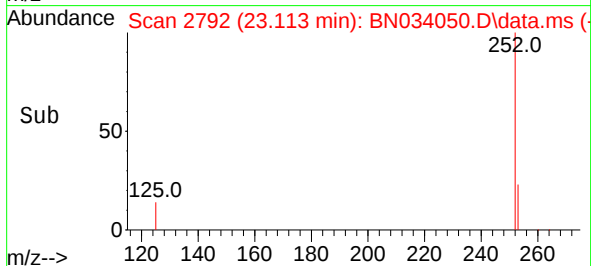
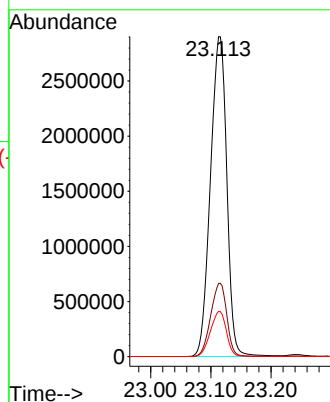
Tgt Ion:252 Resp: 5477696

Ion Ratio Lower Upper

252 100

253 22.9 21.8 32.8

125 14.1 17.5 26.3#



#40

Dibenzo(a,h)anthracene

Concen: 66.791 ng

RT: 25.332 min Scan# 3551

Delta R.T. 0.038 min

Lab File: BN034050.D

Acq: 19 Sep 2024 14:33

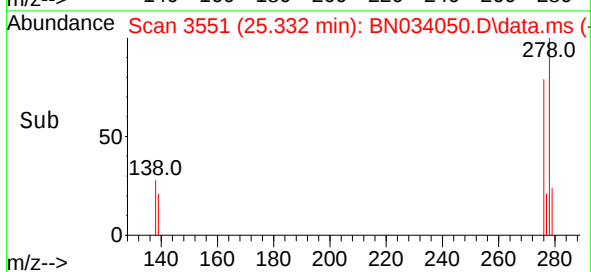
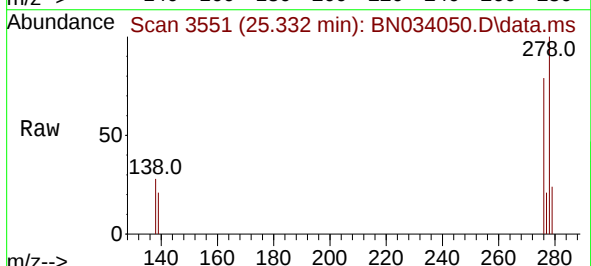
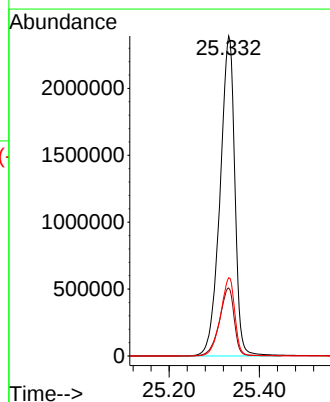
Tgt Ion:278 Resp: 5437200

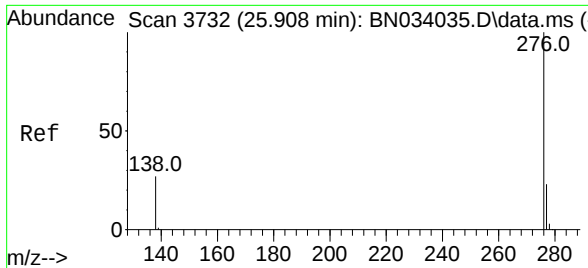
Ion Ratio Lower Upper

278 100

139 21.3 17.8 26.8

279 24.4 21.0 31.6





#41
 Benzo(g,h,i)perylene
 Concen: 53.993 ng
 RT: 25.952 min Scan# 31
 Delta R.T. 0.044 min
 Lab File: BN034050.D
 Acq: 19 Sep 2024 14:33

Instrument :
 BNA_N
 ClientSampleId :

Tgt Ion:276 Resp: 4936819
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.3 28.9
 138 27.9 22.6 34.0

