

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091924\
 Data File : BN034051.D
 Acq On : 19 Sep 2024 15:31
 Operator : JU/RC
 Sample : P3845-05DL 50X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WPDL

Quant Time: Sep 19 15:59:58 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

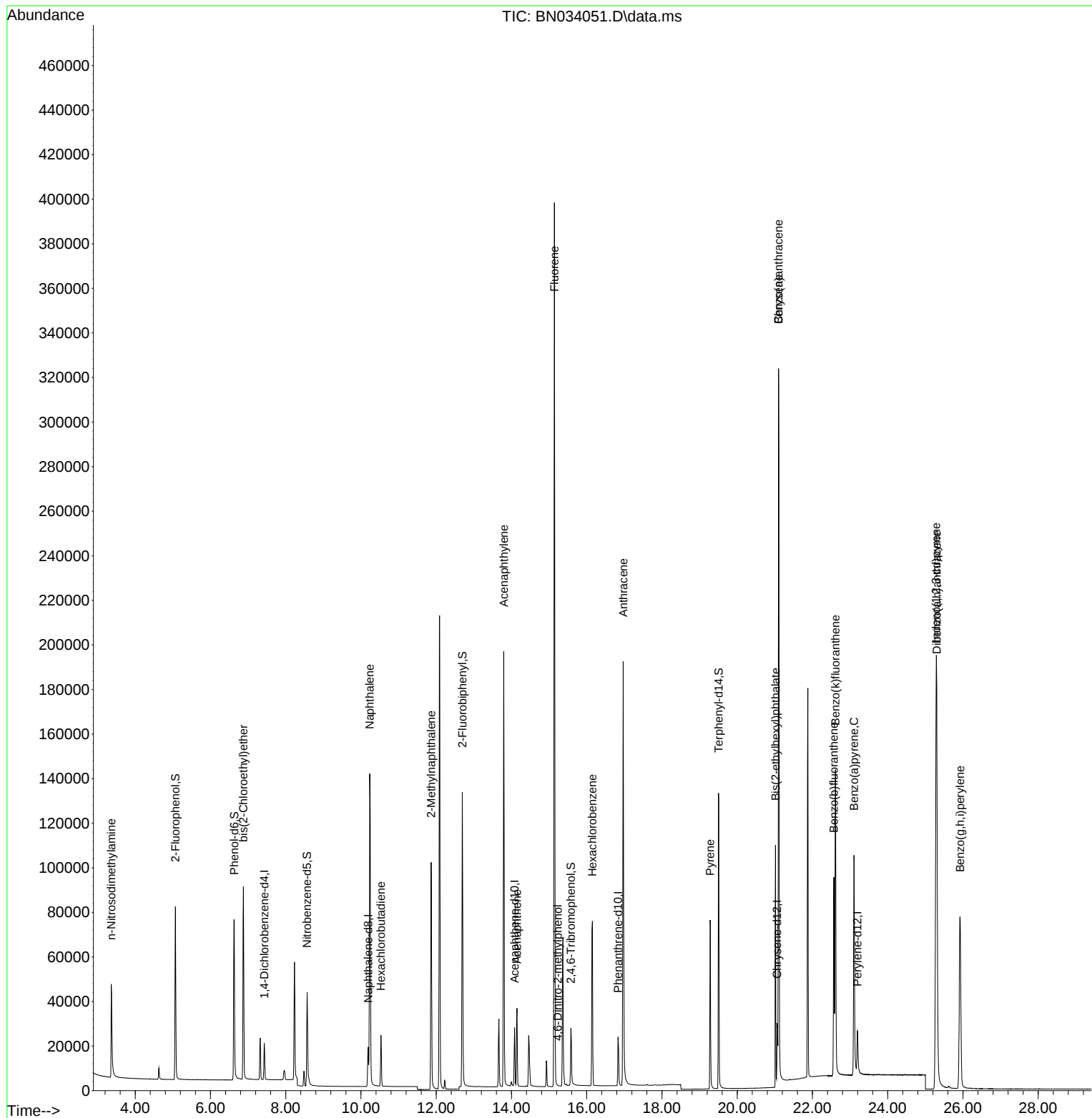
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.430	152	7820	0.400	ng	0.00
7) Naphthalene-d8	10.191	136	23087	0.400	ng	0.00
13) Acenaphthene-d10	14.083	164	14195	0.400	ng	0.00
19) Phenanthrene-d10	16.833	188	31128	0.400	ng	# 0.00
29) Chrysene-d12	21.062	240	25511	0.400	ng	0.00
35) Perylene-d12	23.195	264	25402	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.069	112	60181	2.712	ng	0.00
5) Phenol-d6	6.629	99	70844	2.744	ng	0.00
8) Nitrobenzene-d5	8.568	82	35597	2.016	ng	0.00
11) 2-Methylnaphthalene-d10	11.780	152	3	0.000	ng	-0.01
14) 2,4,6-Tribromophenol	15.579	330	15653	2.434	ng	0.00
15) 2-Fluorobiphenyl	12.693	172	116916	2.025	ng	0.00
27) Fluoranthene-d10	18.885	212	13	0.000	ng	0.00
31) Terphenyl-d14	19.507	244	129632	2.544	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.364	42	25975	2.334	ng	# 93
6) bis(2-Chloroethyl)ether	6.874	93	59438	2.603	ng	97
9) Naphthalene	10.233	128	189560	2.992	ng	99
10) Hexachlorobutadiene	10.532	225	17616	1.476	ng	# 99
12) 2-Methylnaphthalene	11.867	142	76933	1.866	ng	97
16) Acenaphthylene	13.794	152	193446	3.184	ng	100
17) Acenaphthene	14.147	154	18023	0.414	ng	99
18) Fluorene	15.141	166	215921	3.776	ng	99
20) 4,6-Dinitro-2-methylph...	15.227	198	5	0.139	ng	# 1
22) Hexachlorobenzene	16.150	284	60731	3.095	ng	99
26) Anthracene	16.970	178	199827	2.739	ng	100
30) Pyrene	19.280	202	69844	0.649	ng	99
32) Benzo(a)anthracene	21.098	228	220498	2.732	ng	96
33) Chrysene	21.098	228	279248	2.900	ng	99
34) Bis(2-ethylhexyl)phtha...	21.017	149	71875	2.138	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.285	276	236437	2.172	ng	99
37) Benzo(b)fluoranthene	22.569	252	101492	1.020	ng	# 94
38) Benzo(k)fluoranthene	22.610	252	166322	1.592	ng	# 89
39) Benzo(a)pyrene	23.104	252	137743	1.698	ng	# 88
40) Dibenzo(a,h)anthracene	25.302	278	167164	1.977	ng	96
41) Benzo(g,h,i)perylene	25.922	276	146196	1.539	ng	99

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

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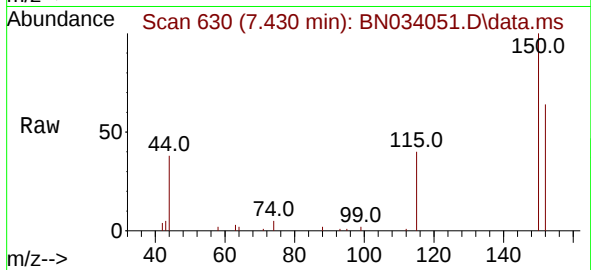
Quant Time: Sep 19 15:59:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
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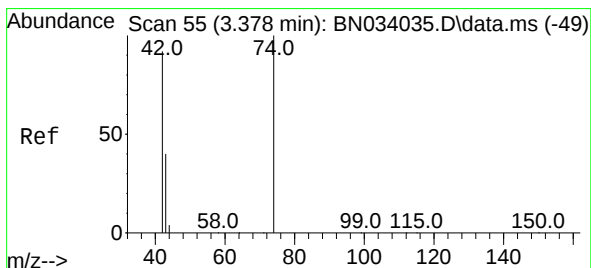
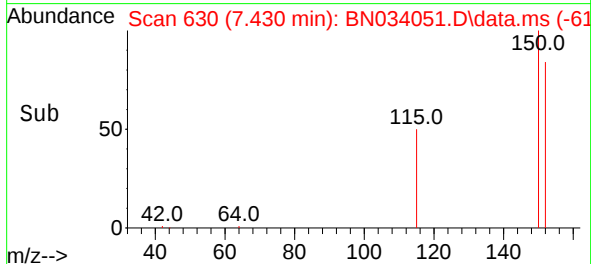
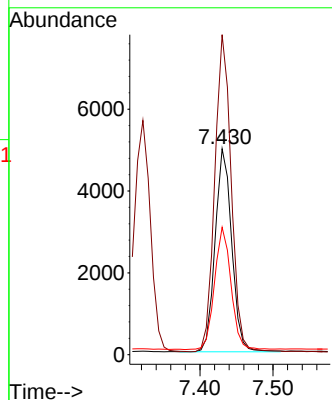


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.430 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN034051.D
Acq: 19 Sep 2024 15:31

Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

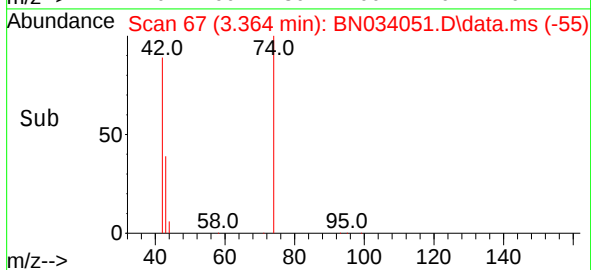
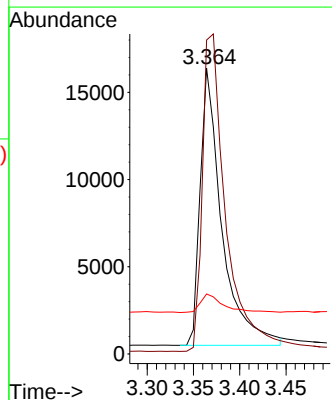
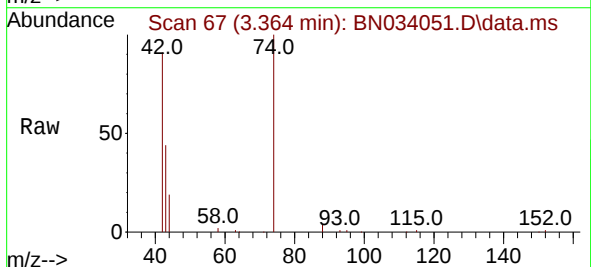


Tgt Ion:152 Resp: 7820
Ion Ratio Lower Upper
152 100
150 155.4 124.6 187.0
115 61.9 50.0 75.0



#3
n-Nitrosodimethylamine
Concen: 2.334 ng
RT: 3.364 min Scan# 67
Delta R.T. -0.014 min
Lab File: BN034051.D
Acq: 19 Sep 2024 15:31

Tgt Ion: 42 Resp: 25975
Ion Ratio Lower Upper
42 100
74 123.6 94.6 142.0
44 7.1 12.4 18.6#





#4

2-Fluorophenol

Concen: 2.712 ng

RT: 5.069 min Scan# 303

Delta R.T. -0.006 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

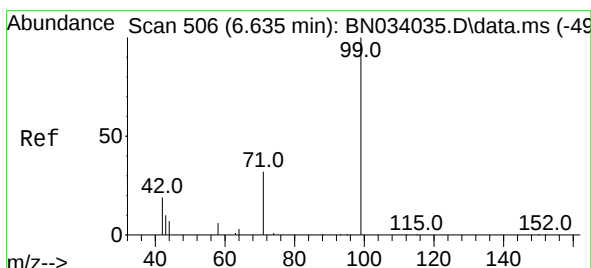
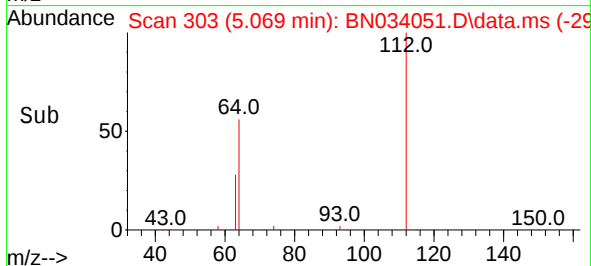
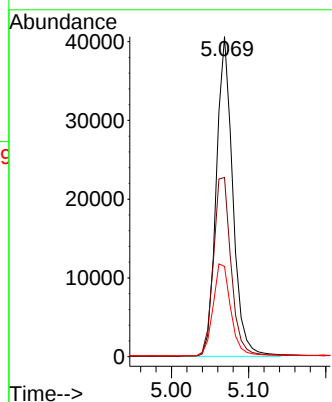
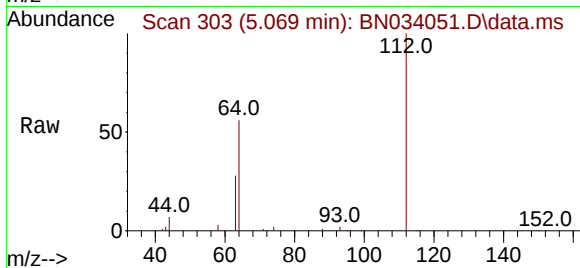
Tgt Ion:112 Resp: 60181

Ion Ratio Lower Upper

112 100

64 60.1 48.6 72.8

63 30.8 25.6 38.4



#5

Phenol-d6

Concen: 2.744 ng

RT: 6.629 min Scan# 519

Delta R.T. -0.006 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

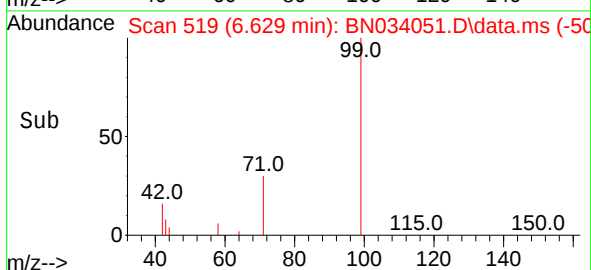
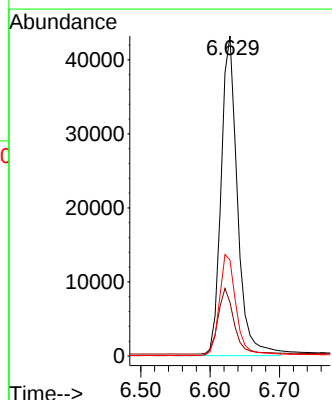
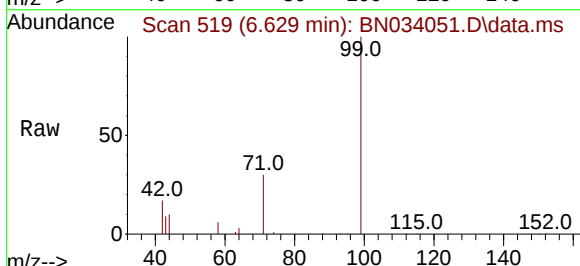
Tgt Ion: 99 Resp: 70844

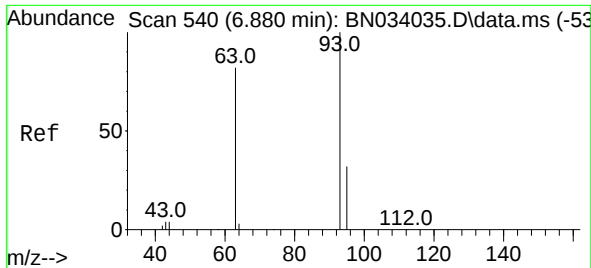
Ion Ratio Lower Upper

99 100

42 20.2 17.8 26.8

71 32.4 26.2 39.2

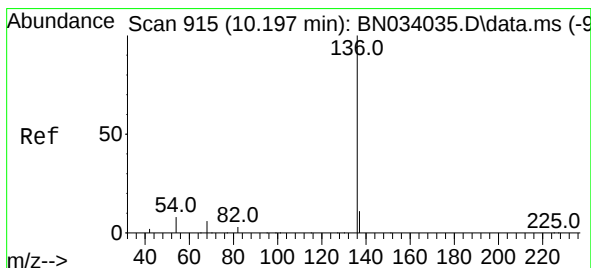
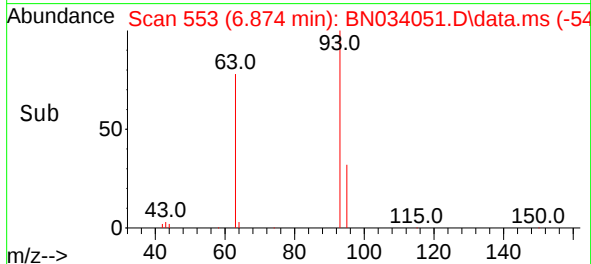
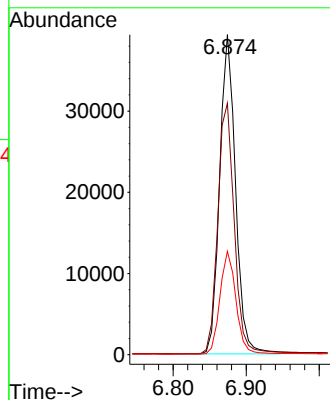
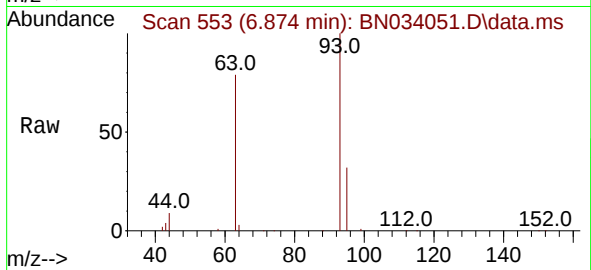




#6
bis(2-chloroethyl)ether
Concen: 2.603 ng
RT: 6.874 min Scan# 51
Delta R.T. -0.006 min
Lab File: BN034051.D
Acq: 19 Sep 2024 15:31

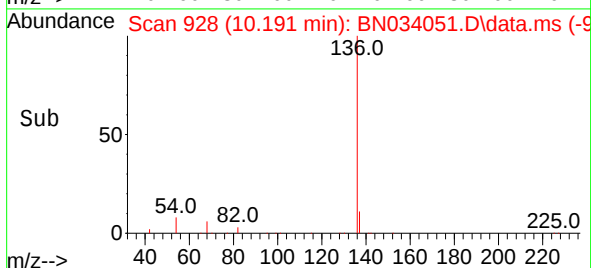
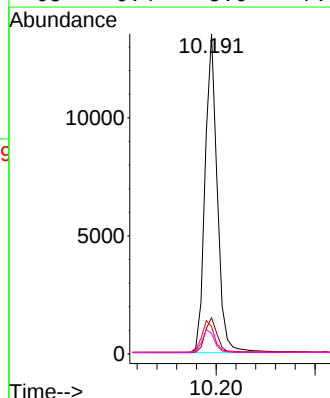
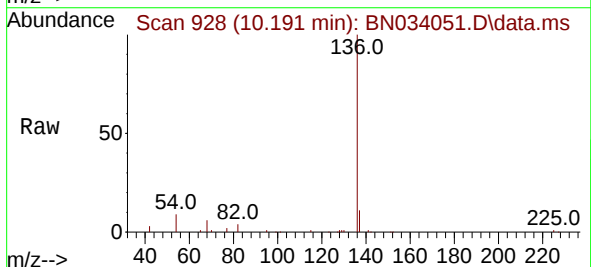
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

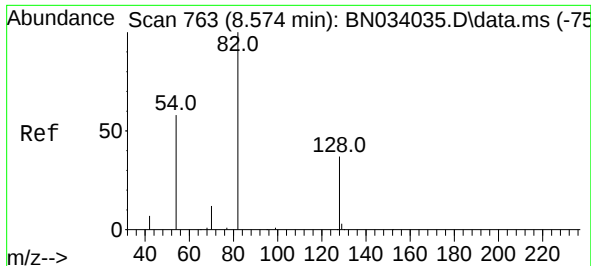
Tgt Ion:	93	Resp:	59438
Ion	Ratio	Lower	Upper
93	100		
63	80.8	67.3	100.9
95	32.4	26.8	40.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.191 min Scan# 928
Delta R.T. -0.006 min
Lab File: BN034051.D
Acq: 19 Sep 2024 15:31

Tgt Ion:	136	Resp:	23087
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	8.5	6.8	10.2
68	6.4	5.0	7.6

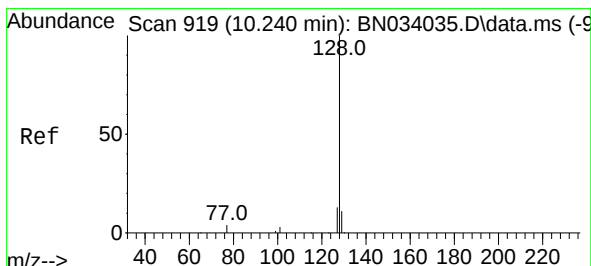
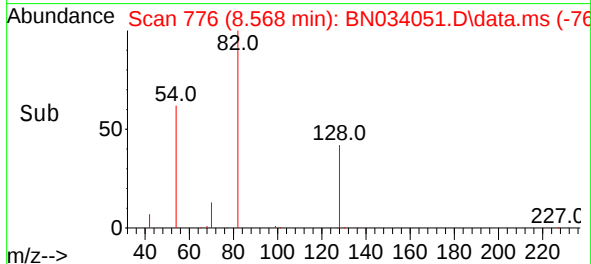
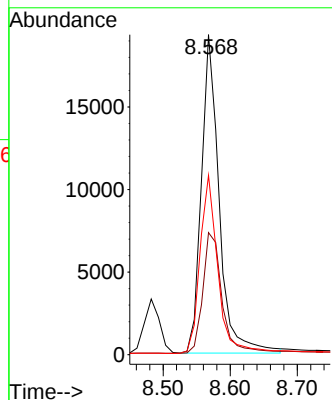
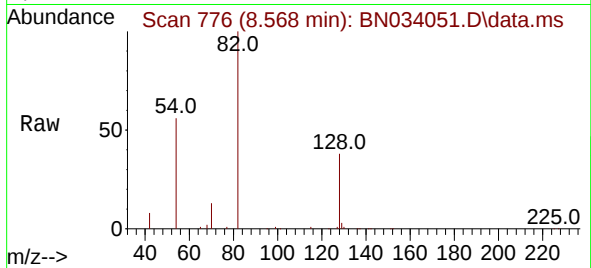




#8
Nitrobenzene-d5
Concen: 2.016 ng
RT: 8.568 min Scan# 71
Delta R.T. -0.006 min
Lab File: BN034051.D
Acq: 19 Sep 2024 15:31

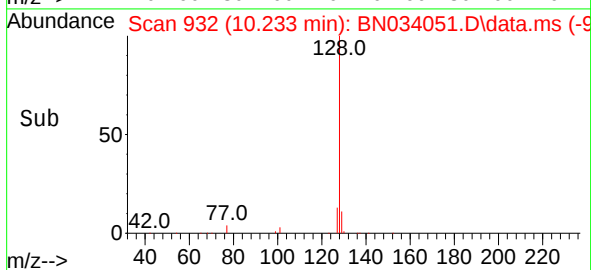
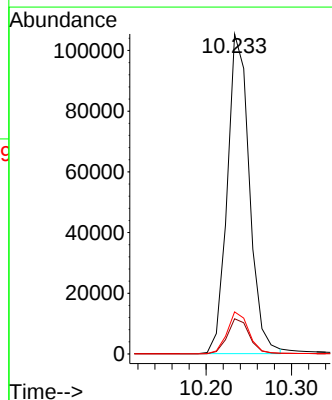
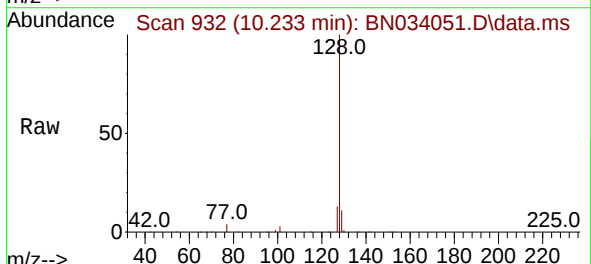
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

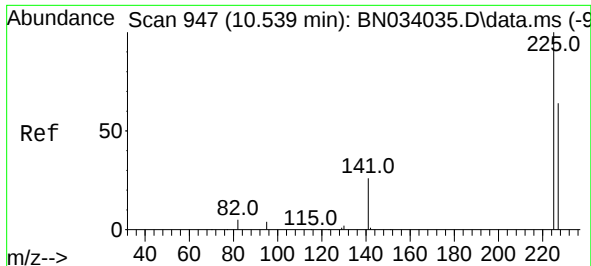
Tgt Ion: 82 Resp: 35597
Ion Ratio Lower Upper
82 100
128 38.2 31.4 47.2
54 56.0 47.4 71.0



#9
Naphthalene
Concen: 2.992 ng
RT: 10.233 min Scan# 932
Delta R.T. -0.006 min
Lab File: BN034051.D
Acq: 19 Sep 2024 15:31

Tgt Ion: 128 Resp: 189560
Ion Ratio Lower Upper
128 100
129 11.0 9.2 13.8
127 13.2 10.7 16.1





#10

Hexachlorobutadiene

Concen: 1.476 ng

RT: 10.532 min Scan# 9

Delta R.T. -0.006 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

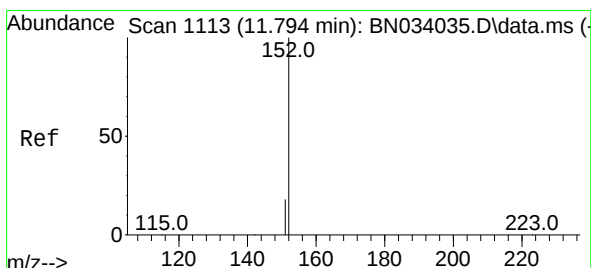
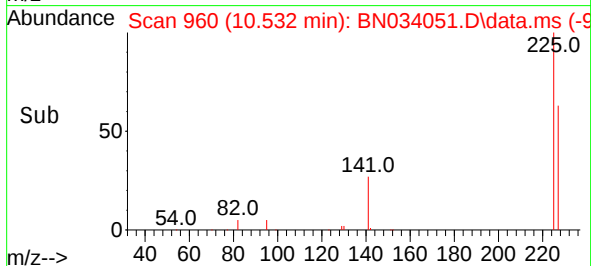
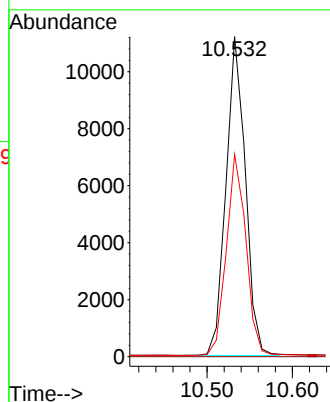
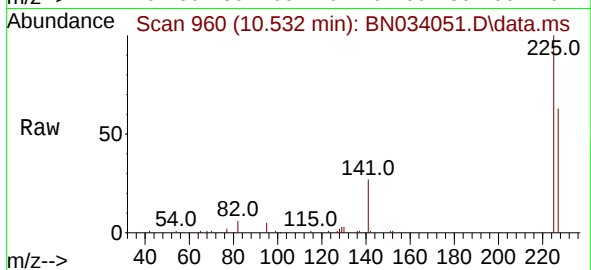
Tgt Ion:225 Resp: 17616

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.6 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: BN034051.D

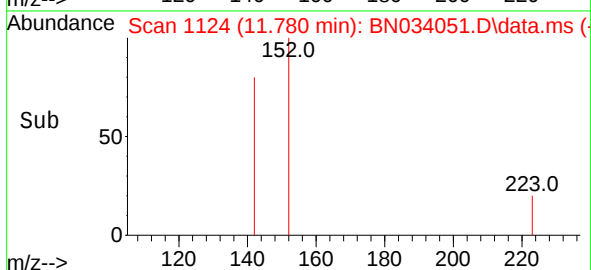
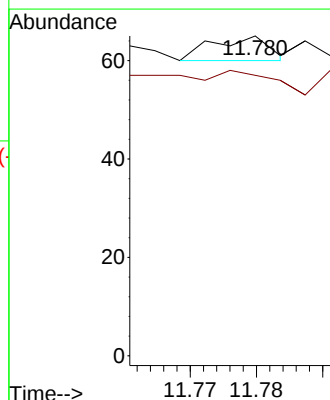
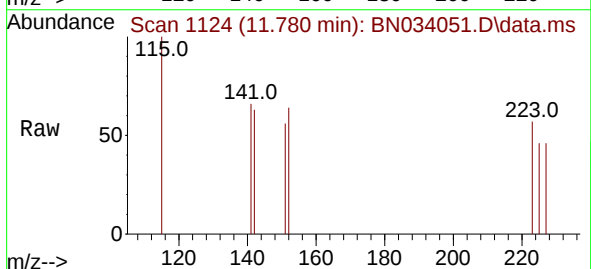
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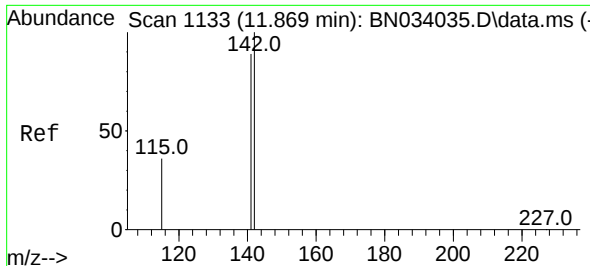
Tgt Ion:152 Resp: 3

Ion Ratio Lower Upper

152 100

151 66.7 16.8 25.2#

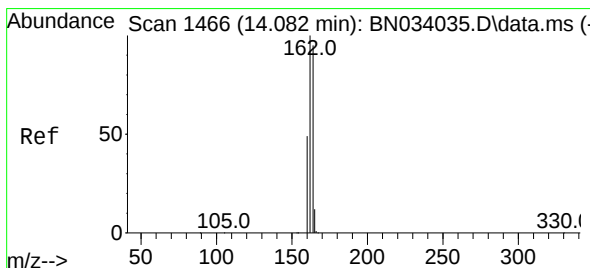
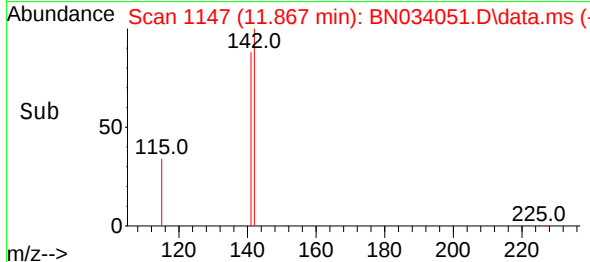
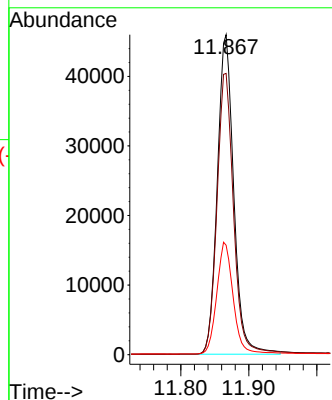
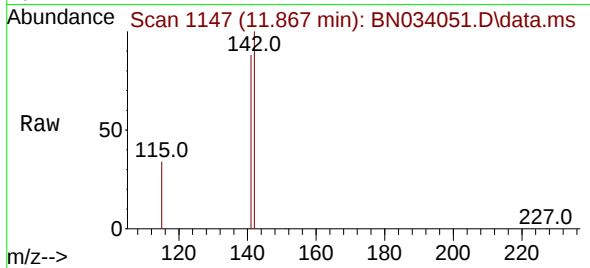




#12
2-Methylnaphthalene
Concen: 1.866 ng
RT: 11.867 min Scan# 1133
Delta R.T. -0.003 min
Lab File: BN034051.D
Acq: 19 Sep 2024 15:31

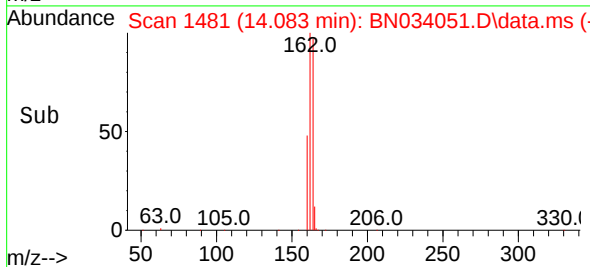
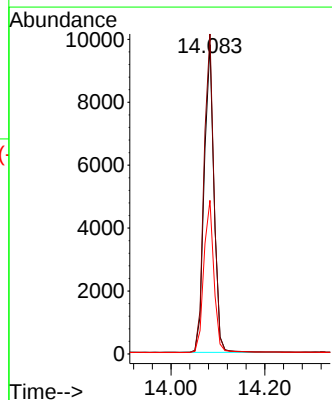
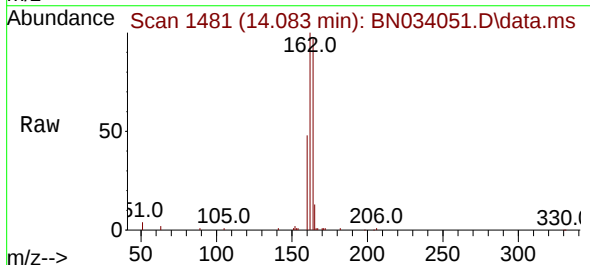
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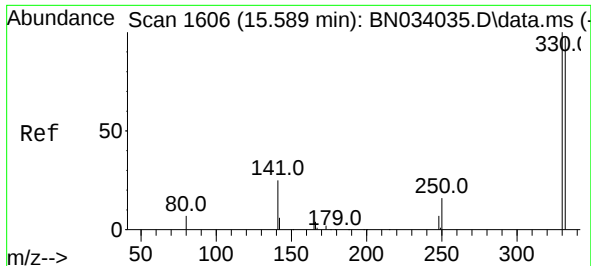
Tgt Ion:142 Resp: 76933
Ion Ratio Lower Upper
142 100
141 87.9 71.6 107.4
115 34.2 30.0 45.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.083 min Scan# 1481
Delta R.T. 0.001 min
Lab File: BN034051.D
Acq: 19 Sep 2024 15:31

Tgt Ion:164 Resp: 14195
Ion Ratio Lower Upper
164 100
162 103.5 84.2 126.2
160 49.7 41.7 62.5





#14

2,4,6-Tribromophenol

Concen: 2.434 ng

RT: 15.579 min Scan# 1

Delta R.T. -0.009 min

Lab File: BN034051.D

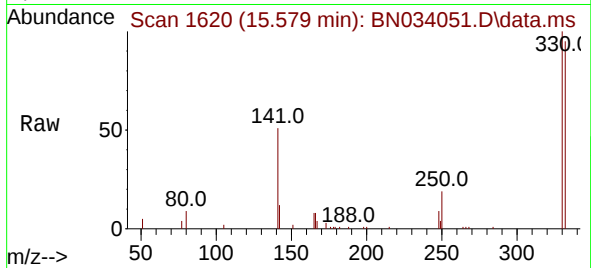
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Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL



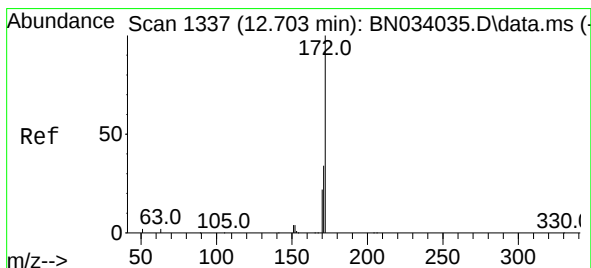
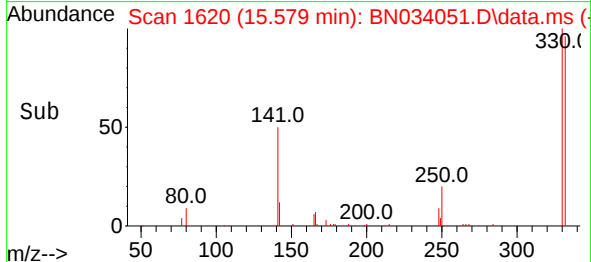
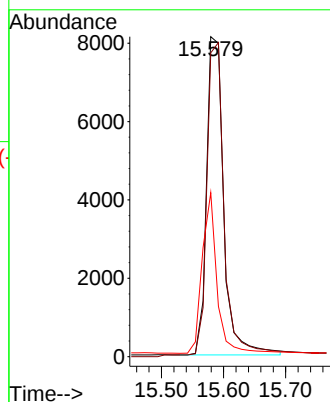
Tgt Ion:330 Resp: 15653

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.0

141 43.4 35.9 53.9



#15

2-Fluorobiphenyl

Concen: 2.025 ng

RT: 12.693 min Scan# 1351

Delta R.T. -0.009 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

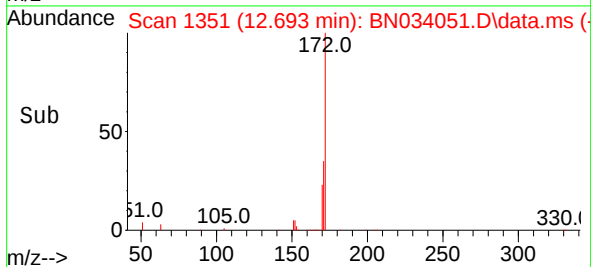
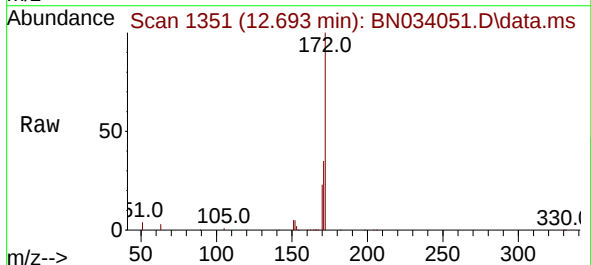
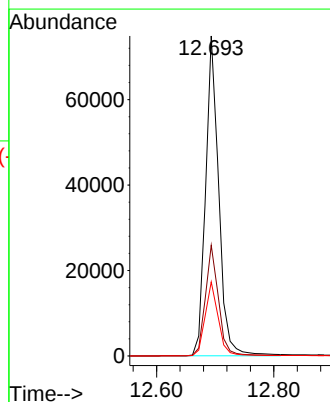
Tgt Ion:172 Resp: 116916

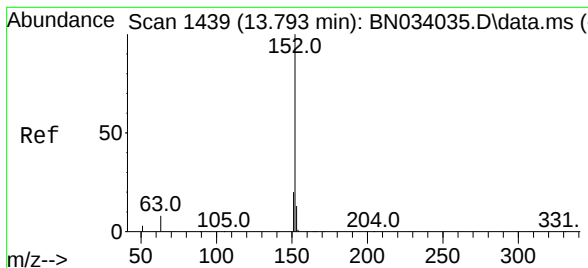
Ion Ratio Lower Upper

172 100

171 34.6 27.3 40.9

170 23.1 18.1 27.1





#16

Acenaphthylene

Concen: 3.184 ng

RT: 13.794 min Scan# 1439

Delta R.T. 0.001 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

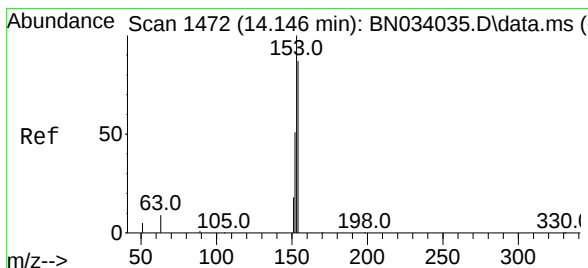
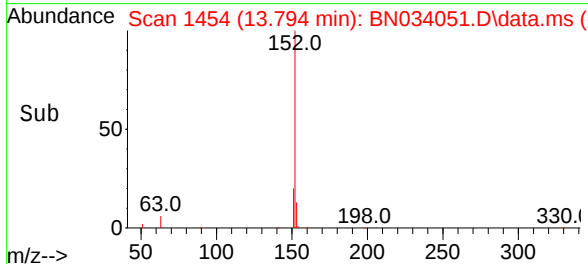
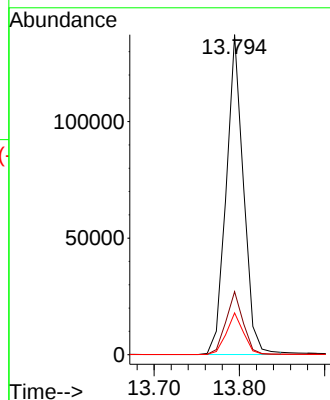
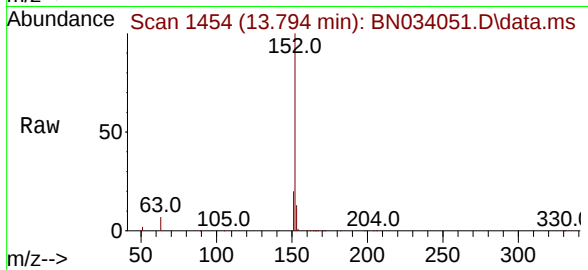
Tgt Ion:152 Resp: 193446

Ion Ratio Lower Upper

152 100

151 19.6 15.6 23.4

153 12.9 10.3 15.5



#17

Acenaphthene

Concen: 0.414 ng

RT: 14.147 min Scan# 1487

Delta R.T. 0.001 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

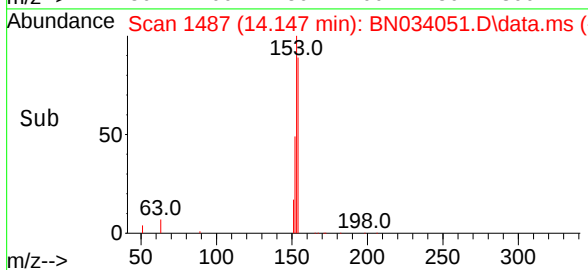
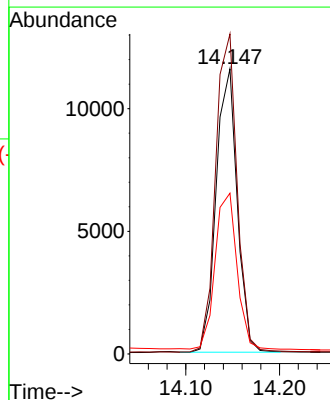
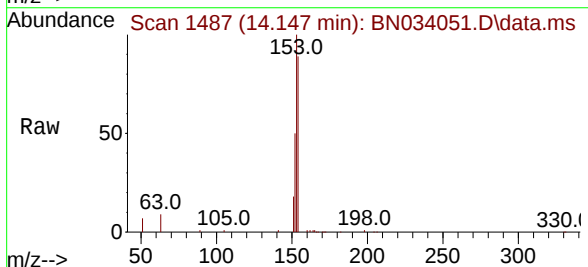
Tgt Ion:154 Resp: 18023

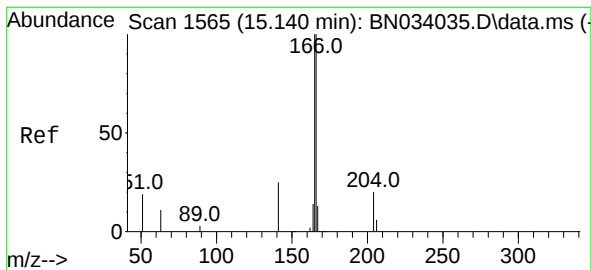
Ion Ratio Lower Upper

154 100

153 114.6 91.6 137.4

152 57.2 47.4 71.2





#18

Fluorene

Concen: 3.776 ng

RT: 15.141 min Scan# 1565

Delta R.T. 0.001 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

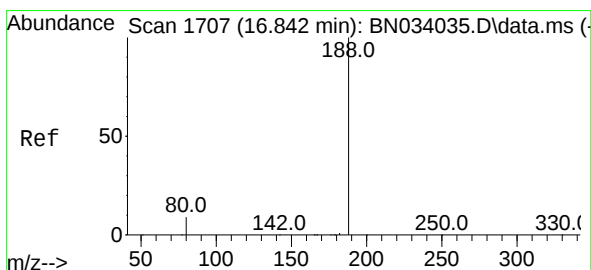
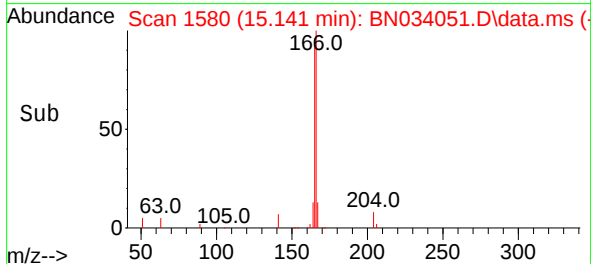
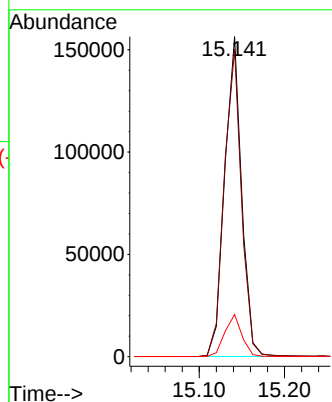
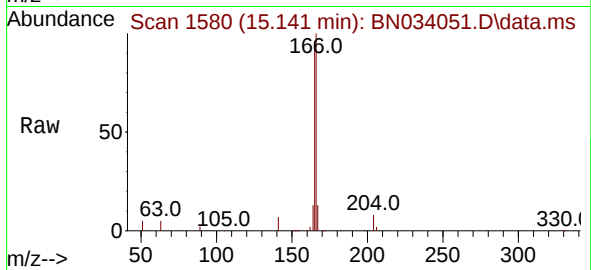
Tgt Ion:166 Resp: 215921

Ion Ratio Lower Upper

166 100

165 97.7 79.1 118.7

167 13.2 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: BN034051.D

Acq: 19 Sep 2024 15:31

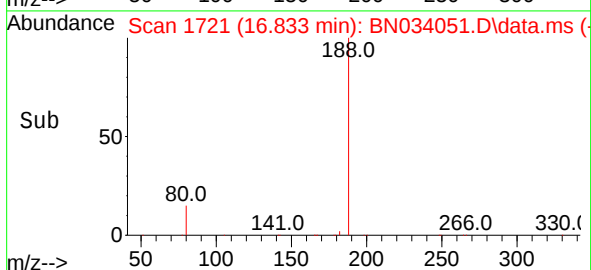
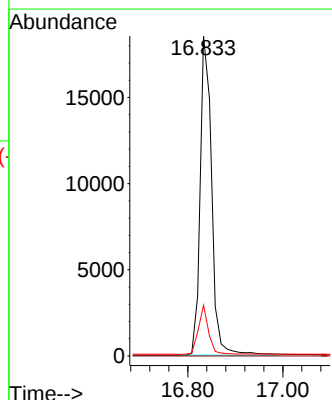
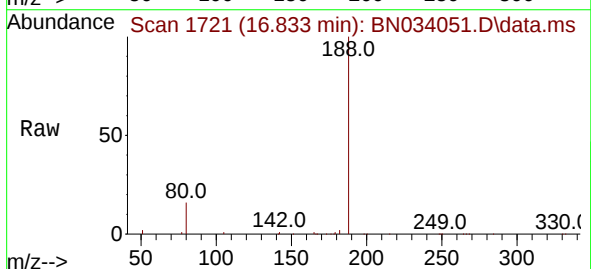
Tgt Ion:188 Resp: 31128

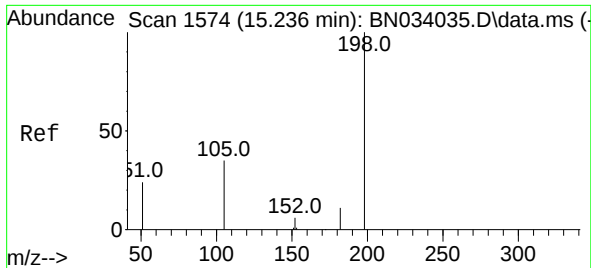
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.9 7.4 11.0#

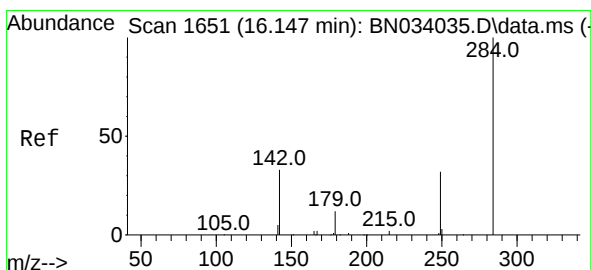
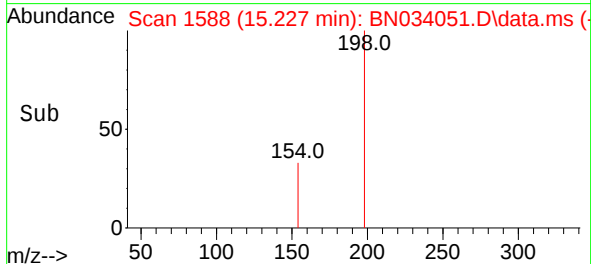
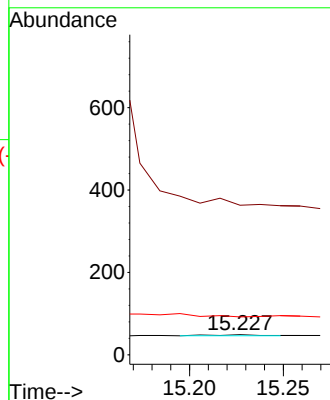
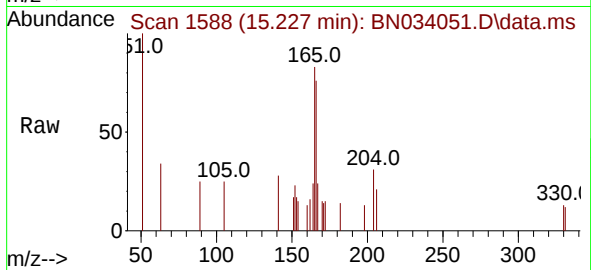




#20
4,6-Dinitro-2-methylphenol
Concen: 0.139 ng
RT: 15.227 min Scan# 1665
Delta R.T. -0.009 min
Lab File: BN034051.D
Acq: 19 Sep 2024 15:31

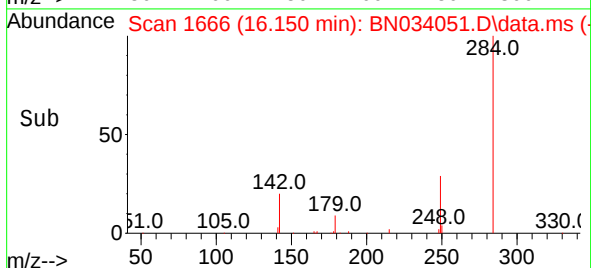
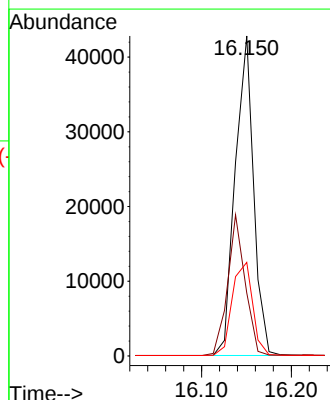
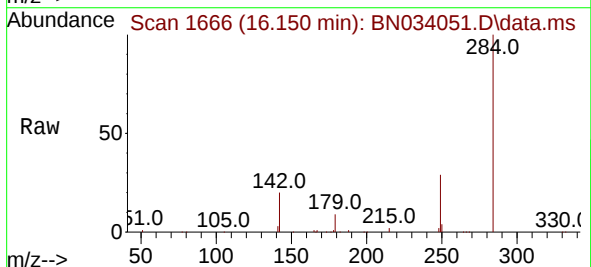
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

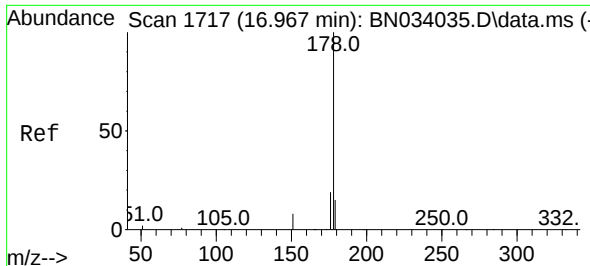
Tgt Ion:198 Resp: 5
Ion Ratio Lower Upper
198 100
51 740.8 106.4 159.6#
105 187.8 38.5 57.7#



#22
Hexachlorobenzene
Concen: 3.095 ng
RT: 16.150 min Scan# 1666
Delta R.T. 0.003 min
Lab File: BN034051.D
Acq: 19 Sep 2024 15:31

Tgt Ion:284 Resp: 60731
Ion Ratio Lower Upper
284 100
142 42.0 34.5 51.7
249 32.4 25.8 38.6

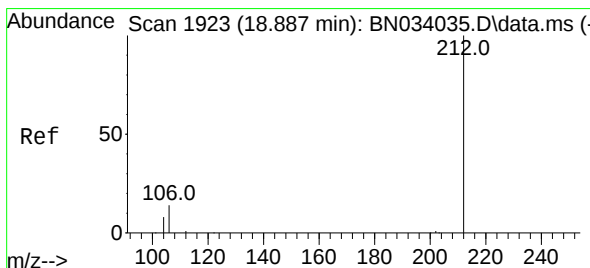
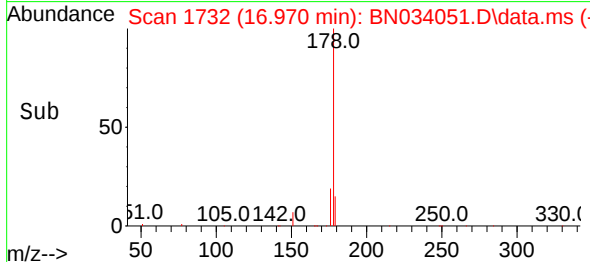
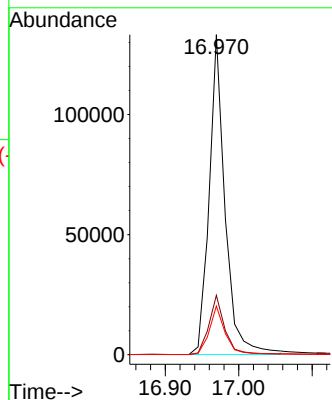
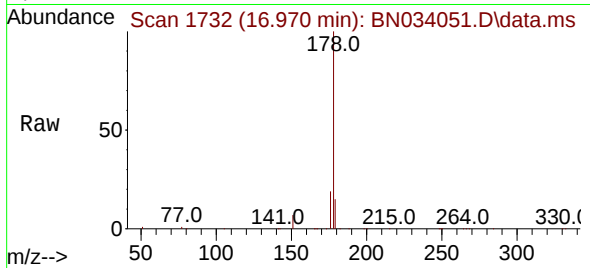




#26
 Anthracene
 Concen: 2.739 ng
 RT: 16.970 min Scan# 1717
 Delta R.T. 0.003 min
 Lab File: BN034051.D
 Acq: 19 Sep 2024 15:31

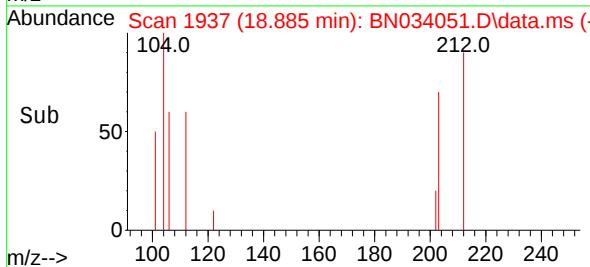
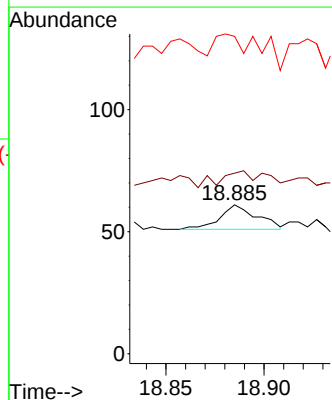
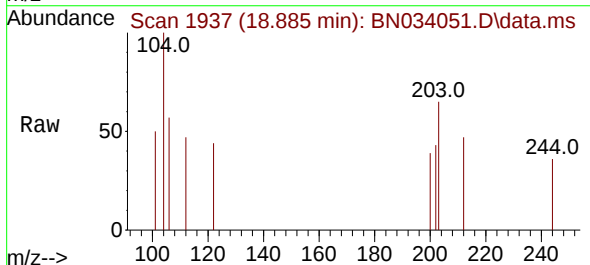
Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WPDL

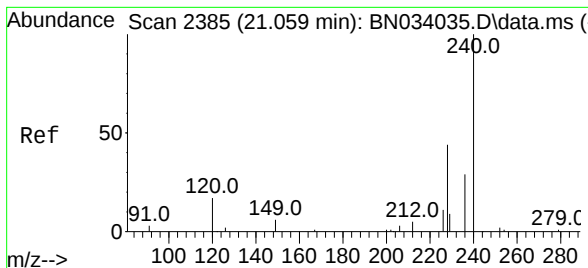
Tgt Ion:178 Resp: 199827
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 15.2 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 0.000 ng
 RT: 18.885 min Scan# 1937
 Delta R.T. -0.002 min
 Lab File: BN034051.D
 Acq: 19 Sep 2024 15:31

Tgt Ion:212 Resp: 13
 Ion Ratio Lower Upper
 212 100
 106 84.6 13.4 20.2#
 104 53.8 7.8 11.6#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.062 min Scan# 2400

Delta R.T. 0.003 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

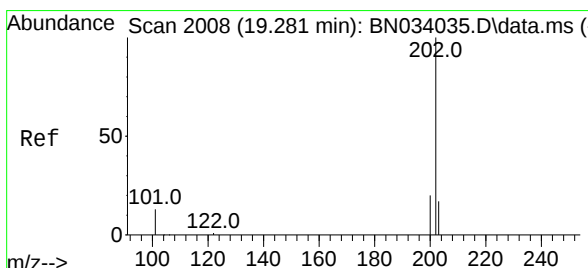
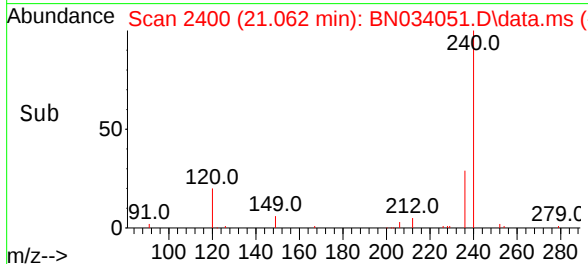
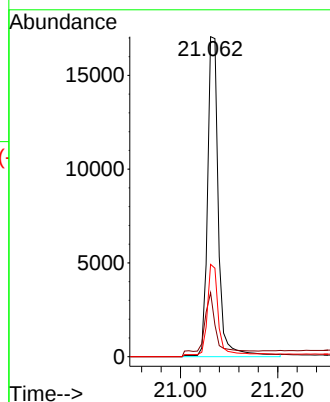
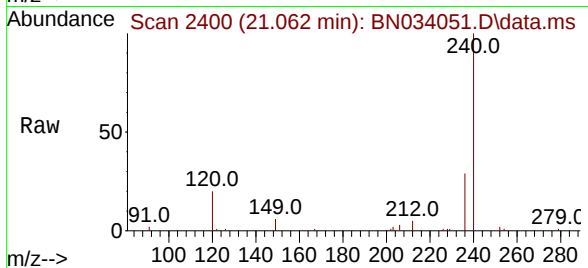
Tgt Ion:240 Resp: 25511

Ion Ratio Lower Upper

240 100

120 20.0 13.5 20.3

236 28.9 23.4 35.0



#30

Pyrene

Concen: 0.649 ng

RT: 19.280 min Scan# 2022

Delta R.T. -0.002 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

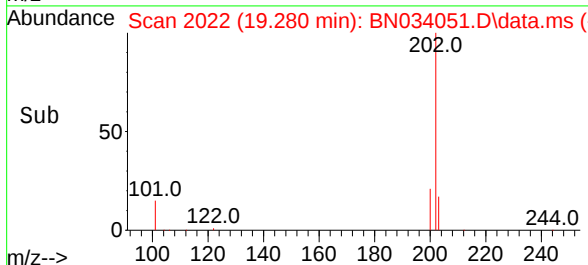
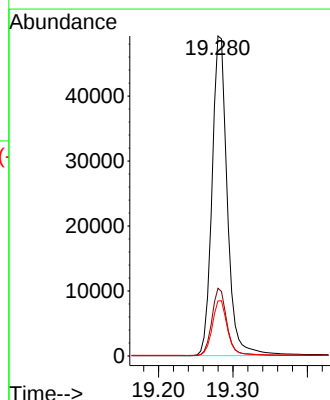
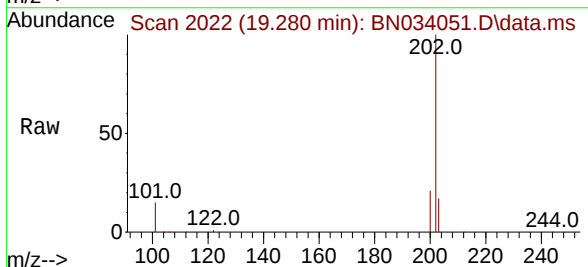
Tgt Ion:202 Resp: 69844

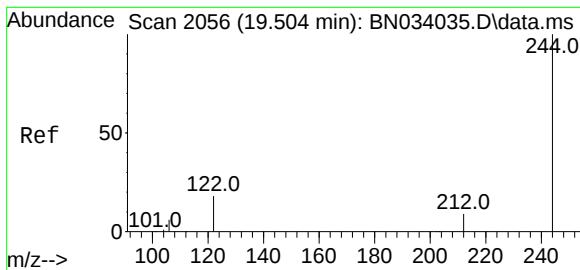
Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

203 17.2 14.3 21.5





#31

Terphenyl-d14

Concen: 2.544 ng

RT: 19.507 min Scan# 2056

Delta R.T. 0.003 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

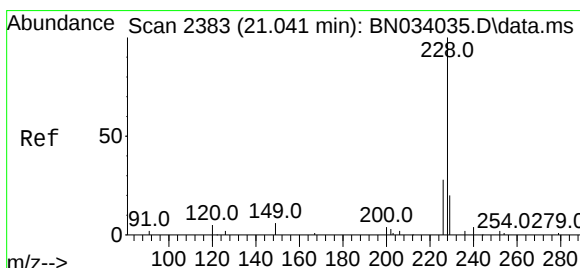
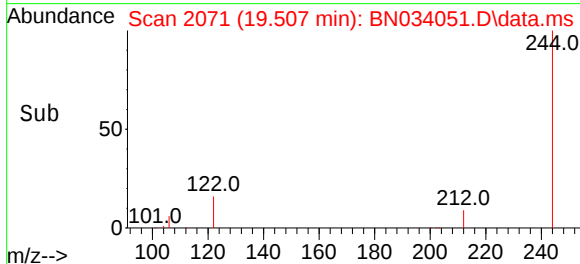
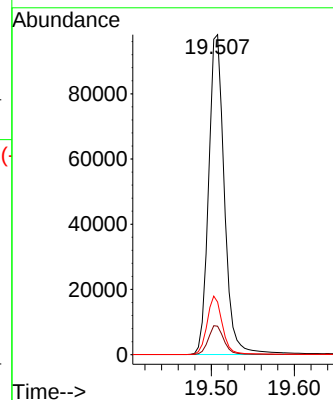
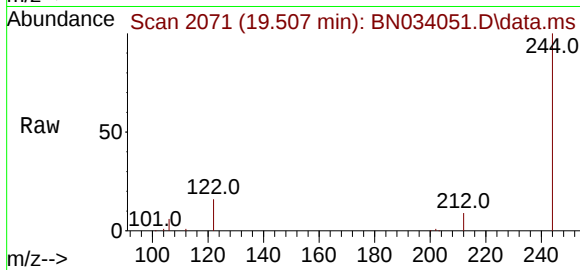
Tgt Ion:244 Resp: 129632

Ion Ratio Lower Upper

244 100

212 8.9 7.8 11.6

122 16.5 14.8 22.2



#32

Benzo(a)anthracene

Concen: 2.732 ng

RT: 21.098 min Scan# 2404

Delta R.T. 0.057 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

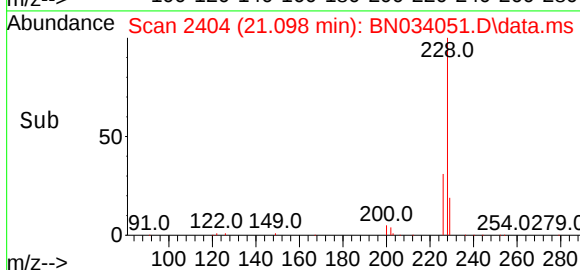
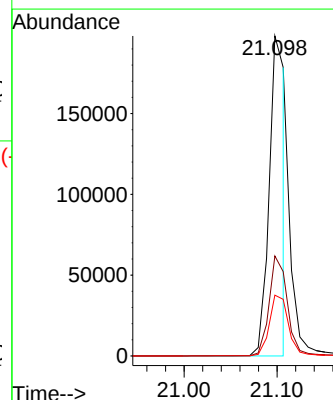
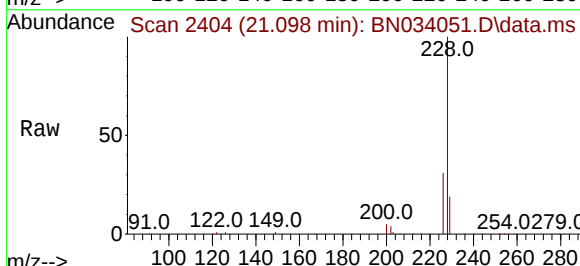
Tgt Ion:228 Resp: 220498

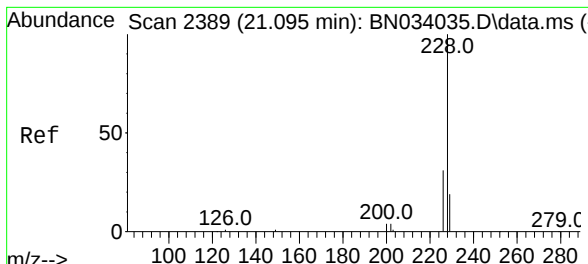
Ion Ratio Lower Upper

228 100

226 31.3 22.3 33.5

229 19.0 15.7 23.5



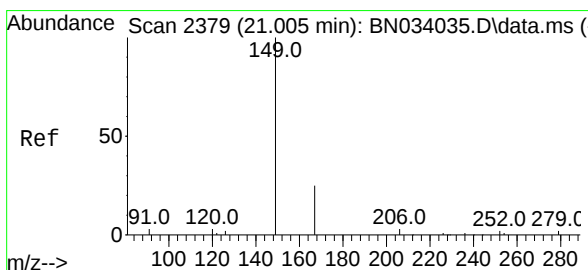
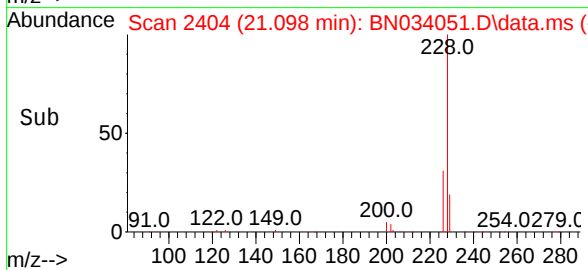
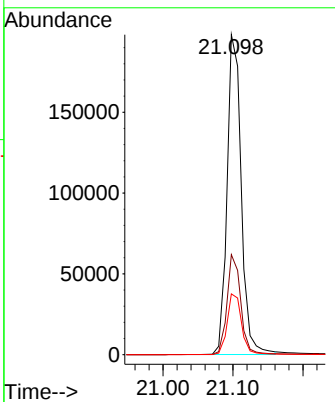
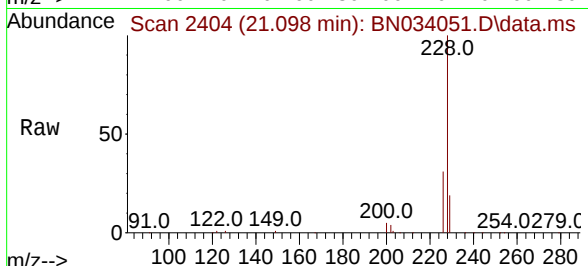


#33
 Chrysene
 Concen: 2.900 ng
 RT: 21.098 min Scan# 2404
 Delta R.T. 0.003 min
 Lab File: BN034051.D
 Acq: 19 Sep 2024 15:31

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WPDL

Tgt Ion:228 Resp: 279248

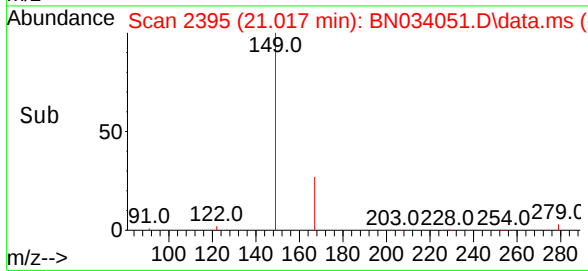
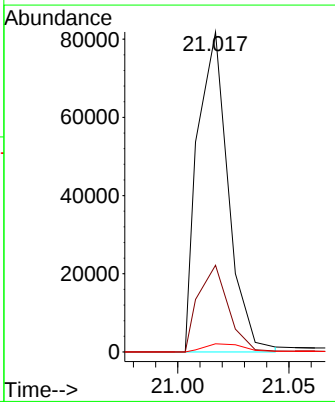
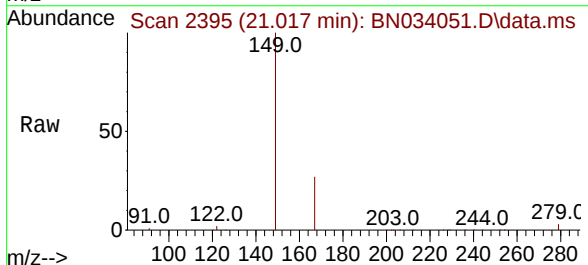
Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.6	37.0
229	19.0	15.5	23.3

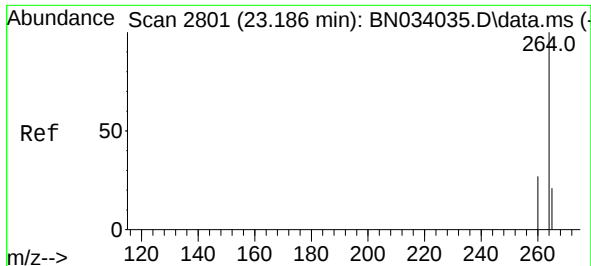


#34
 Bis(2-ethylhexyl)phthalate
 Concen: 2.138 ng
 RT: 21.017 min Scan# 2395
 Delta R.T. 0.012 min
 Lab File: BN034051.D
 Acq: 19 Sep 2024 15:31

Tgt Ion:149 Resp: 71875

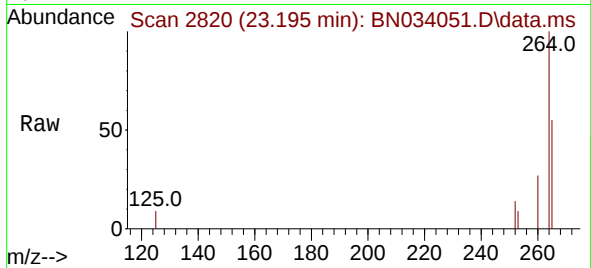
Ion	Ratio	Lower	Upper
149	100		
167	26.5	19.9	29.9
279	3.2	4.6	6.8



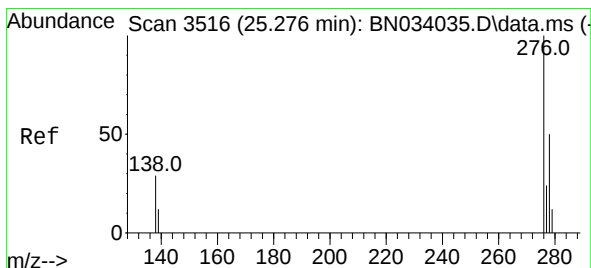
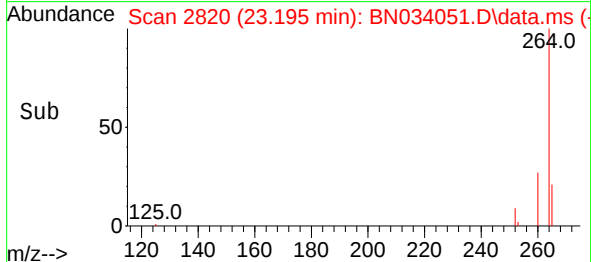
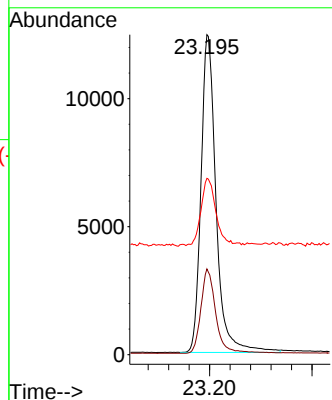


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.195 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN034051.D
Acq: 19 Sep 2024 15:31

Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

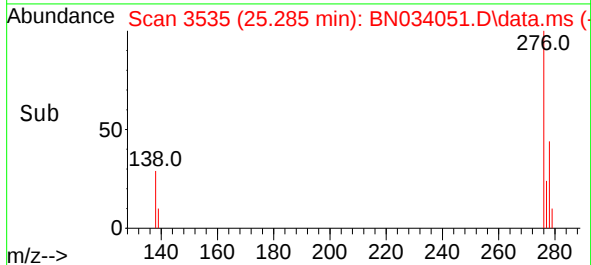
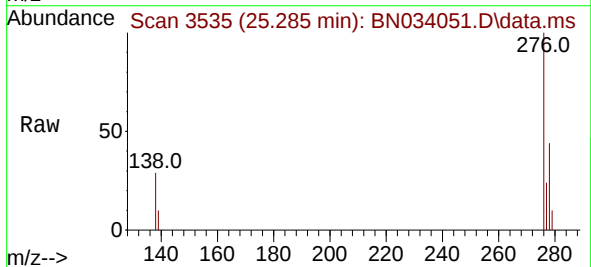
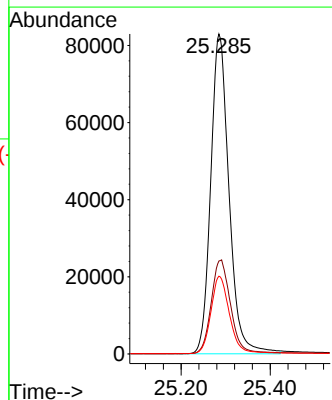


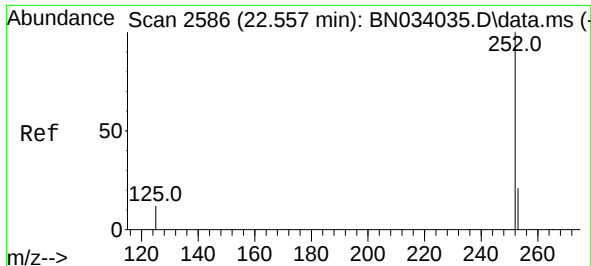
Tgt Ion:264 Resp: 25402
Ion Ratio Lower Upper
264 100
260 26.8 21.7 32.5
265 55.1 52.1 78.1



#36
Indeno(1,2,3-cd)pyrene
Concen: 2.172 ng
RT: 25.285 min Scan# 3535
Delta R.T. 0.009 min
Lab File: BN034051.D
Acq: 19 Sep 2024 15:31

Tgt Ion:276 Resp: 236437
Ion Ratio Lower Upper
276 100
138 31.0 25.9 38.9
277 24.6 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 1.020 ng

RT: 22.569 min Scan# 2606

Delta R.T. 0.012 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

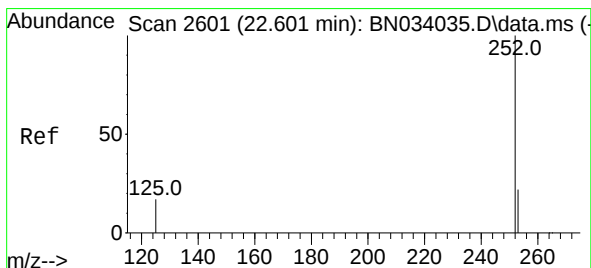
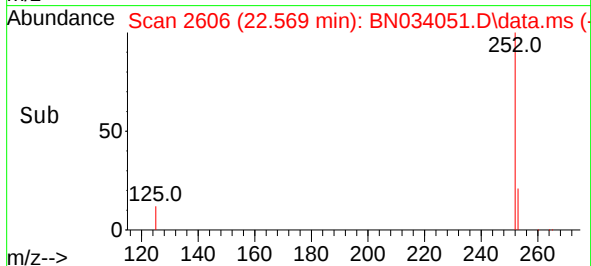
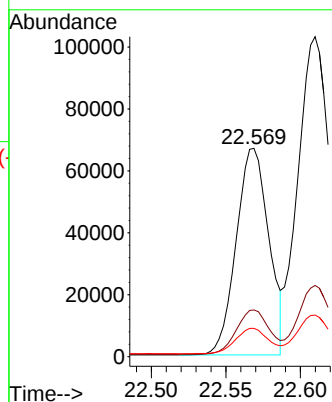
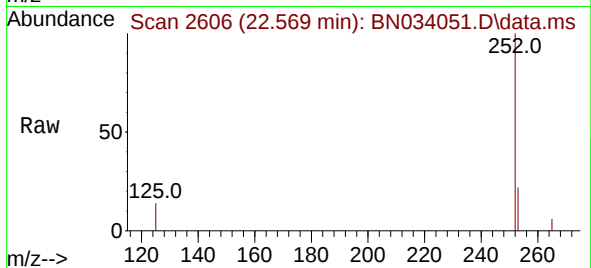
Tgt Ion:252 Resp: 101492

Ion Ratio Lower Upper

252 100

253 22.4 19.6 29.4

125 13.6 13.8 20.8#



#38

Benzo(k)fluoranthene

Concen: 1.592 ng

RT: 22.610 min Scan# 2620

Delta R.T. 0.009 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

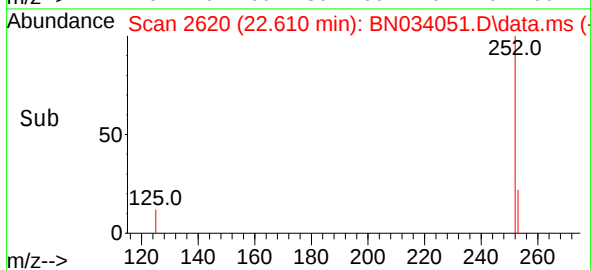
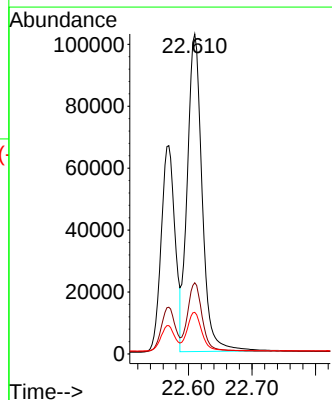
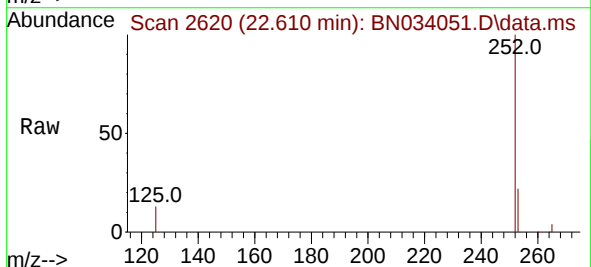
Tgt Ion:252 Resp: 166322

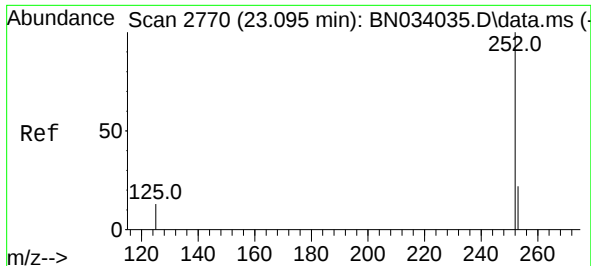
Ion Ratio Lower Upper

252 100

253 22.2 20.1 30.1

125 13.0 16.8 25.2#





#39

Benzo(a)pyrene

Concen: 1.698 ng

RT: 23.104 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

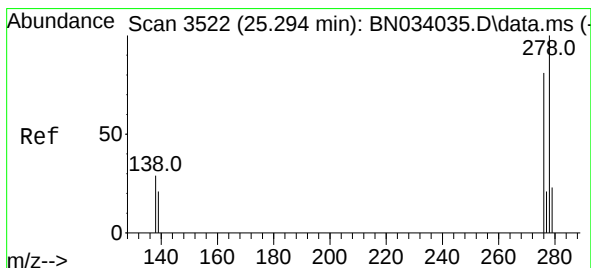
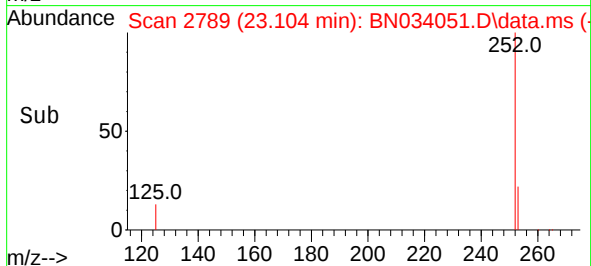
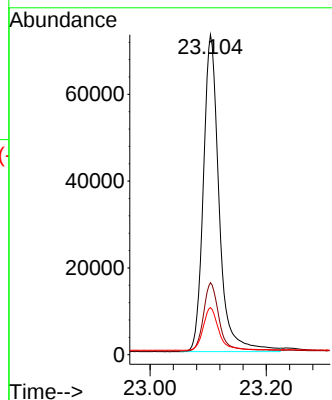
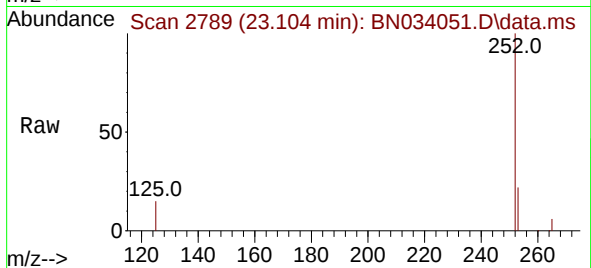
Tgt Ion:252 Resp: 137743

Ion Ratio Lower Upper

252 100

253 22.5 21.8 32.8

125 14.7 17.5 26.3#



#40

Dibenzo(a,h)anthracene

Concen: 1.977 ng

RT: 25.302 min Scan# 3541

Delta R.T. 0.009 min

Lab File: BN034051.D

Acq: 19 Sep 2024 15:31

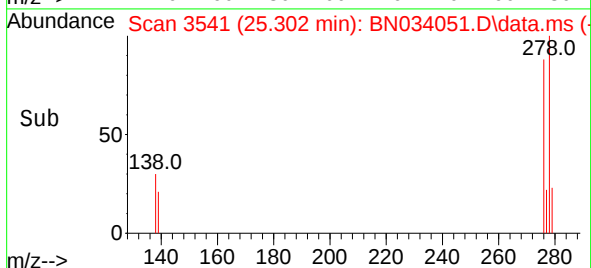
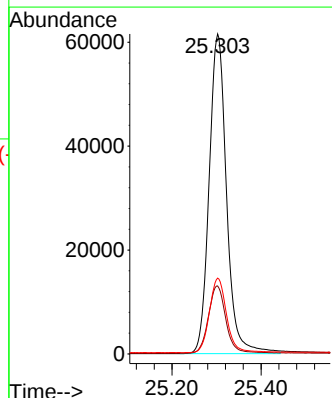
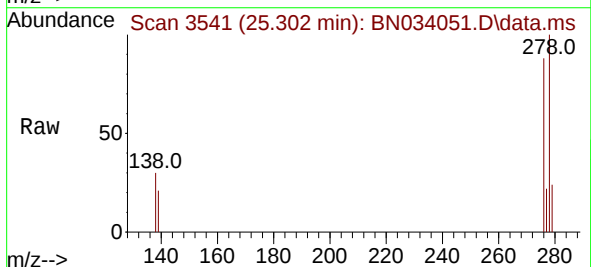
Tgt Ion:278 Resp: 167164

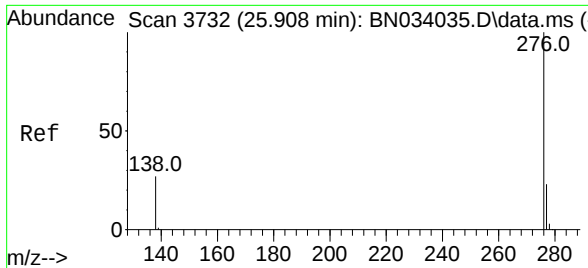
Ion Ratio Lower Upper

278 100

139 21.2 17.8 26.8

279 23.7 21.0 31.6





#41
 Benzo(g,h,i)perylene
 Concen: 1.539 ng
 RT: 25.922 min Scan# 31
 Delta R.T. 0.015 min
 Lab File: BN034051.D
 Acq: 19 Sep 2024 15:31

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WPDL

Tgt Ion:	276	Resp:	146196
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.3	28.9
138	27.4	22.6	34.0

