

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082020\
 Data File : BN011534.D
 Acq On : 20 Aug 2020 21:29
 Operator : CG/JU
 Sample : L3668-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBFW8

Quant Time: Aug 21 03:15:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 21 03:13:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	128807	20.00	ng/ul	0.00
18) Naphthalene-d8	10.17	136	507519	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.06	164	330118	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.82	188	740986	20.00	ng/ul	0.00
78) Chrysene-d12	21.03	240	751611	20.00	ng/ul	0.00
86) Perylene-d12	23.14	264	722727	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.11	96	17856	6.65	ng/uL	0.00
5) Phenol-d5	6.63	99	62482	6.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.78	67	154573	33.29	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	208768	25.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.13	113	109833	14.85	ng/ul	0.00
19) Nitrobenzene-d5	8.56	128	117782	29.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.27	143	136739	30.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.80	165	224797	26.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.32	131	22278	2.23	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	827242	32.18	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	927738	29.99	ng/ul	0.00
52) 4-Nitrophenol-d4	14.29	143	22277	5.12	ng/ul	0.00
58) Fluorene-d10	15.06	176	719836	31.99	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.20	200	129559	26.36	ng/ul	0.00
71) Anthracene-d10	16.91	188	1194441	33.74	ng/ul	0.00
79) Pyrene-d10	19.22	212	1383074	35.82	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.01	264	1287184	32.07	ng/ul	0.00

Target Compounds

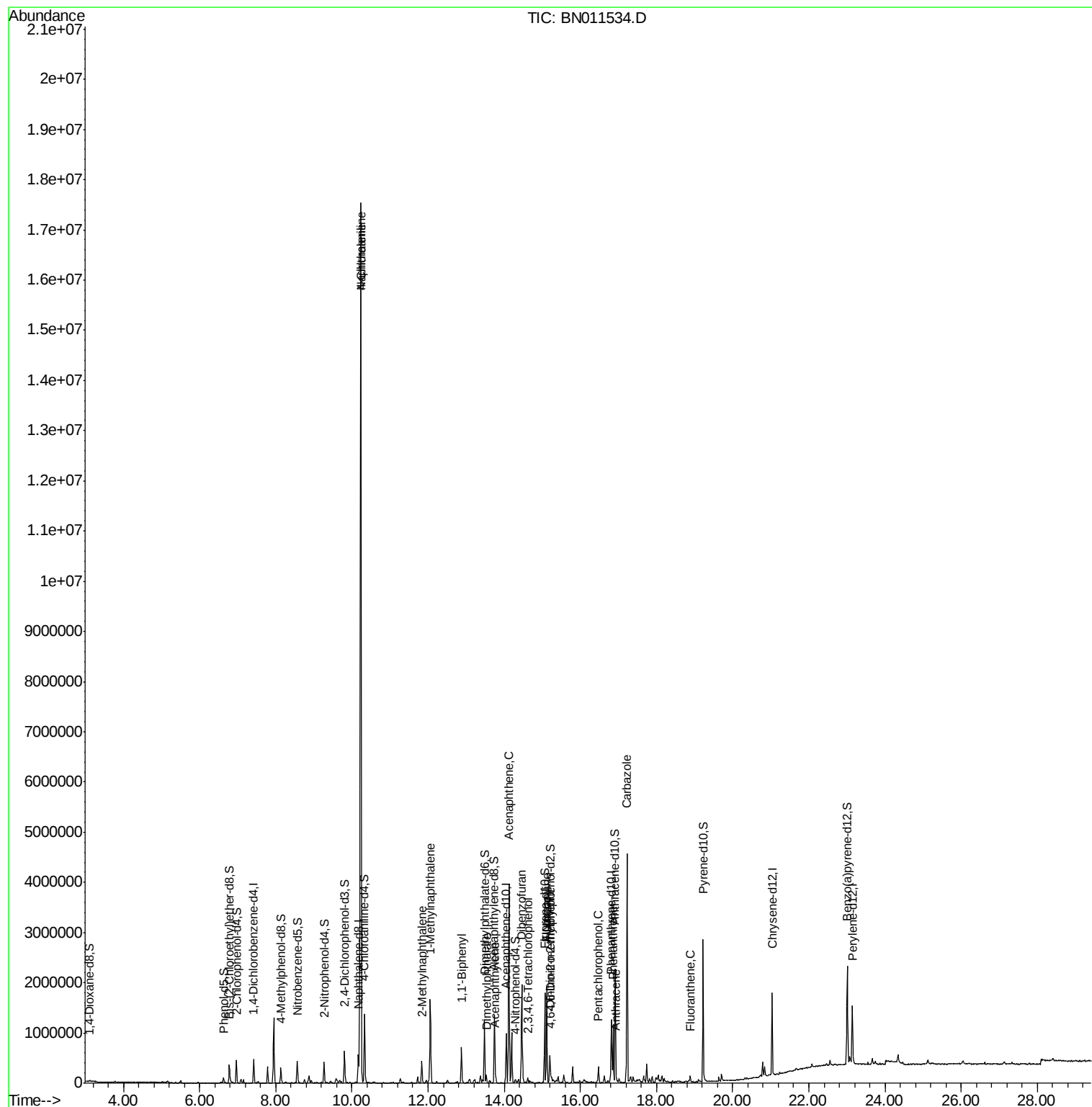
					Ovalue	
28) Naphthalene	10.23	128	15295435	540.033	ng/ul	97
30) 4-Chloroaniline	10.23	127	2105767	210.556	ng/ul#	15
34) 2-Methylnaphthalene	11.83	142	195675	10.079	ng/ul	97
35) 1-Methylnaphthalene	12.06	142	787747	41.392	ng/uL	99
41) 1,1'-Biphenyl	12.88	154	383281	14.467	ng/ul	98
45) Dimethylphthalate	13.53	163	100725	3.818	ng/ul	99
48) Acenaphthylene	13.77	152	78237	2.442	ng/ul	93
50) Acenaphthene	14.12	153	1520136	67.777	ng/ul	99
54) Dibenzofuran	14.46	168	1182144	36.343	ng/ul	97
56) 2,3,4,6-Tetrachlorophenol	14.62	232	19928	3.250	ng/ul	95
59) Fluorene	15.12	166	777843	29.670	ng/ul	100
61) 4-Nitroaniline	15.12	138	9648	1.993	ng/ul#	7
64) 4,6-Dinitro-2-methylphenol	15.22	198	21491	4.035	ng/ul#	66
69) Pentachlorophenol	16.47	266	13216	2.458	ng/ul#	86
70) Phenanthrene	16.86	178	666605	15.167	ng/ul	98
72) Anthracene	16.95	178	62893	1.413	ng/ul	97
75) Carbazole	17.23	167	2742019	73.246	ng/ul	99
77) Fluoranthene	18.89	202	67664	1.258	ng/ul	97

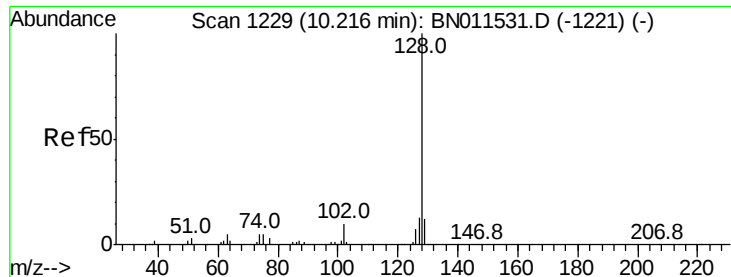
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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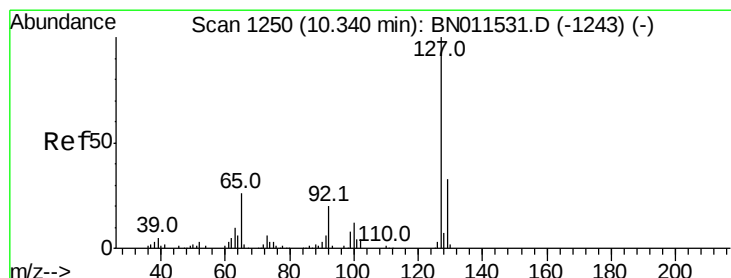
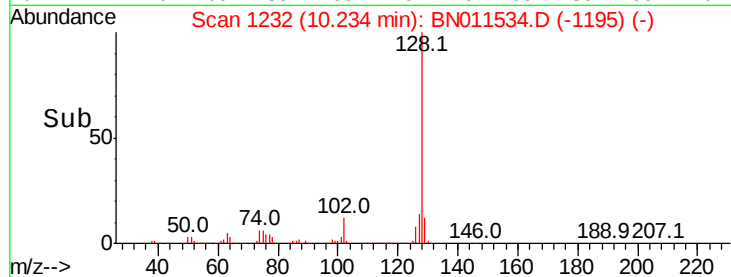
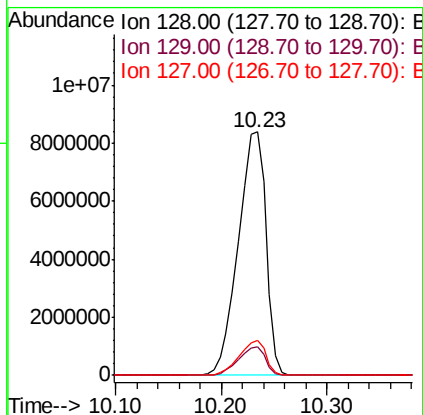
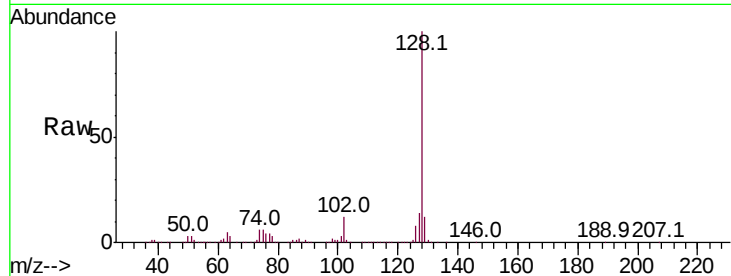




#28
Naphthalene
Concen: 540.033 ng/ul
RT: 10.23 min Scan# 1232
Delta R.T. 0.02 min
Lab File: BN011534.D
Acq: 20 Aug 2020 21:29

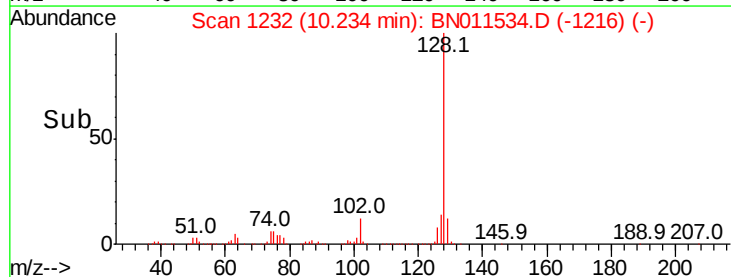
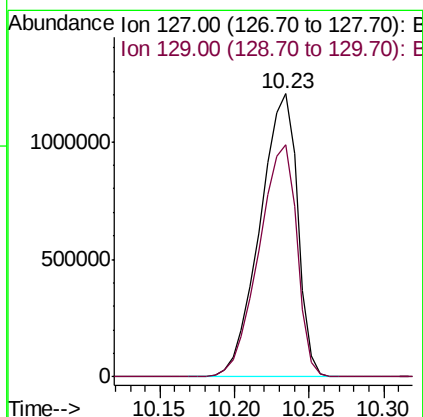
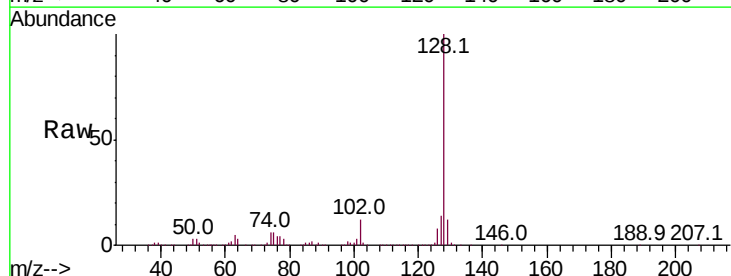
Instrument :
BNA_N
ClientSampleId :
DBFW8

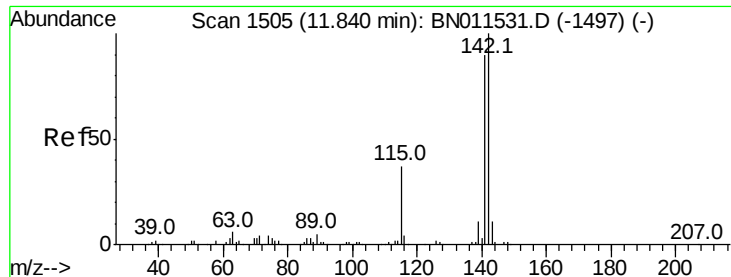
Tot Ion:128 Resp:15295435
Ion Ratio Lower Upper
128 100
129 11.8 8.9 13.3
127 14.4 10.2 15.2



#30
4-Chloroaniline
Concen: 210.556 ng/ul
RT: 10.23 min Scan# 1232
Delta R.T. -0.11 min
Lab File: BN011534.D
Acq: 20 Aug 2020 21:29

Tgt Ion:127 Resp: 2105767
Ion Ratio Lower Upper
127 100
129 82.0 26.9 40.3#

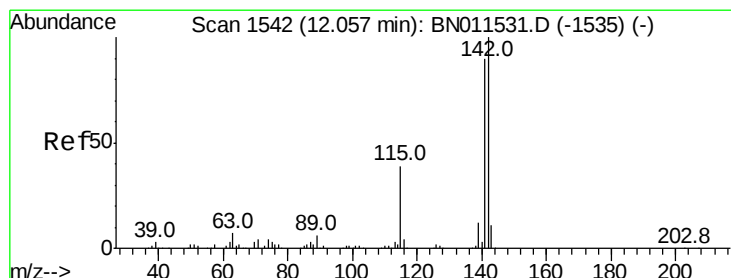
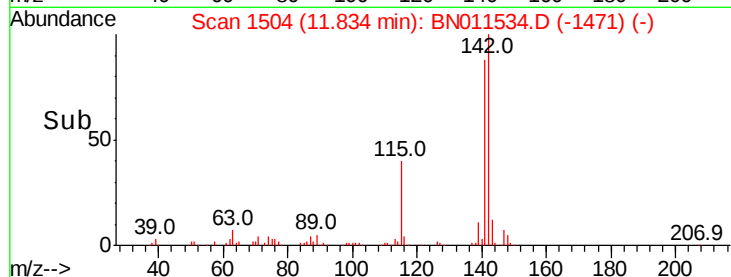
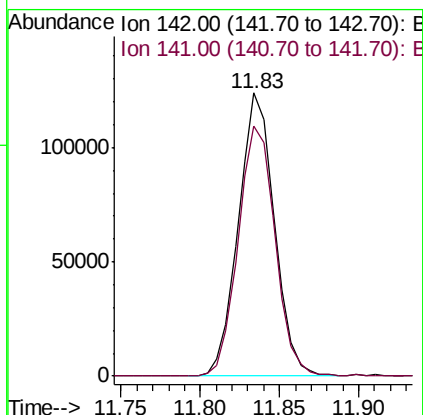
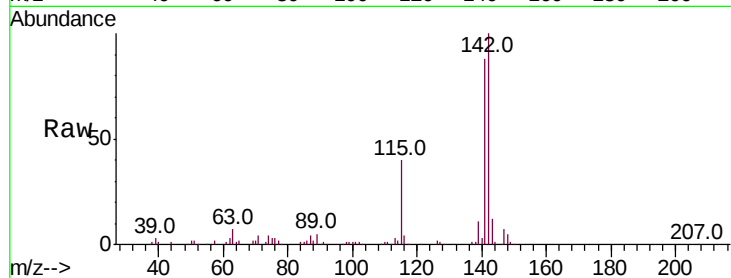




#34
2-Methylnaphthalene
Concen: 10.079 ng/uL
RT: 11.83 min Scan# 1504
Delta R.T. -0.01 min
Lab File: BN011534.D
Acq: 20 Aug 2020 21:29

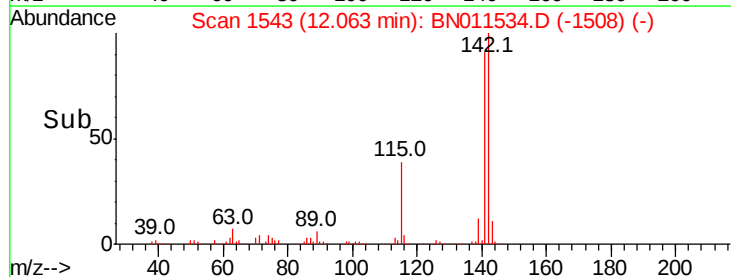
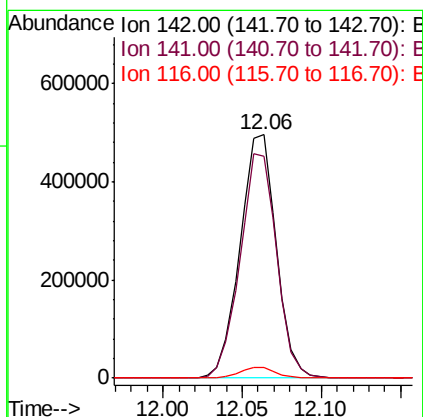
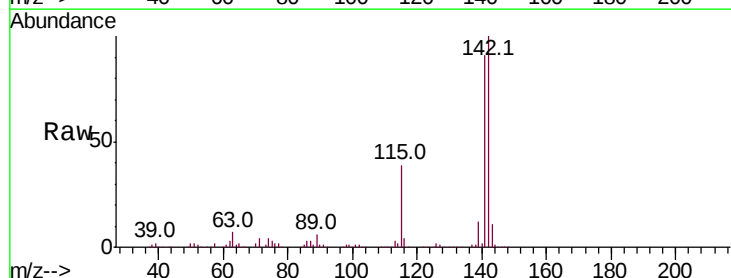
Instrument :
BNA_N
ClientSampleId :
DBFW8

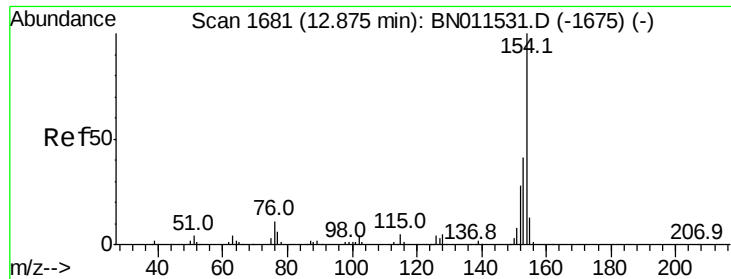
Tot Ion:142 Resp: 195675
Ion Ratio Lower Upper
142 100
141 88.4 73.2 109.8



#35
1-Methylnaphthalene
Concen: 41.392 ng/uL
RT: 12.06 min Scan# 1543
Delta R.T. 0.01 min
Lab File: BN011534.D
Acq: 20 Aug 2020 21:29

Tgt Ion:142 Resp: 787747
Ion Ratio Lower Upper
142 100
141 93.0 75.0 112.4
116 4.4 3.4 5.0

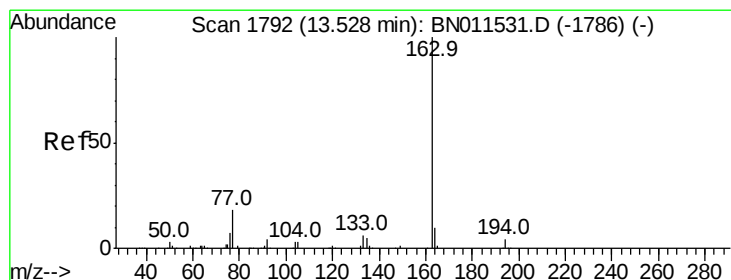
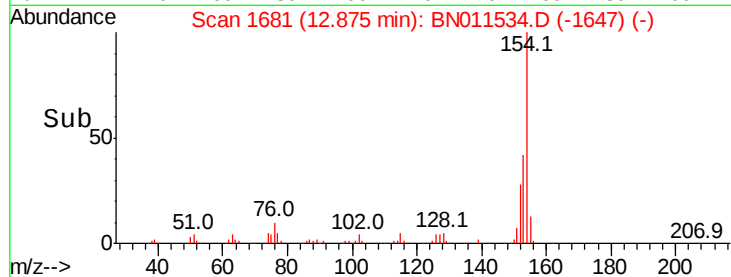
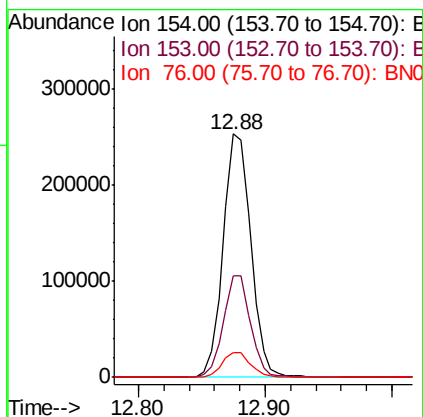
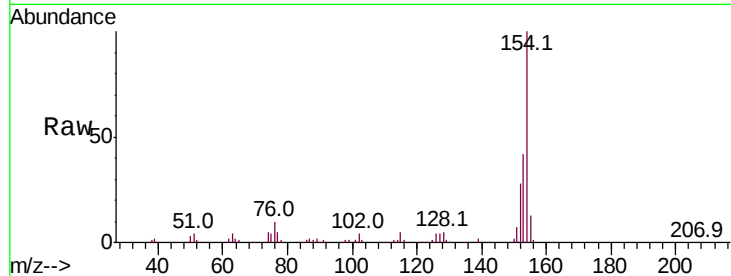




#41
 1,1'-Biphenyl
 Concen: 14.467 ng/ul
 RT: 12.88 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: BN011534.D
 Acq: 20 Aug 2020 21:29

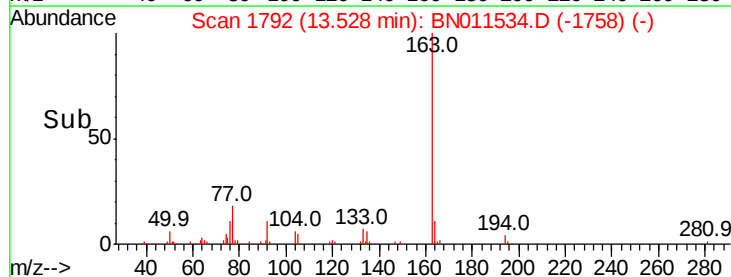
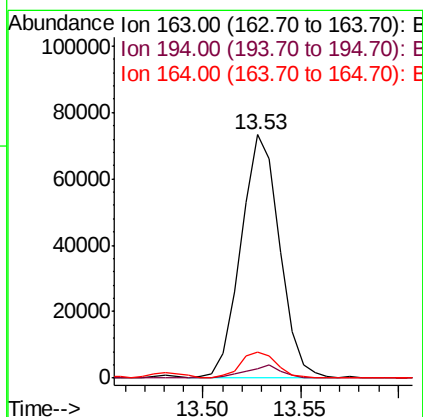
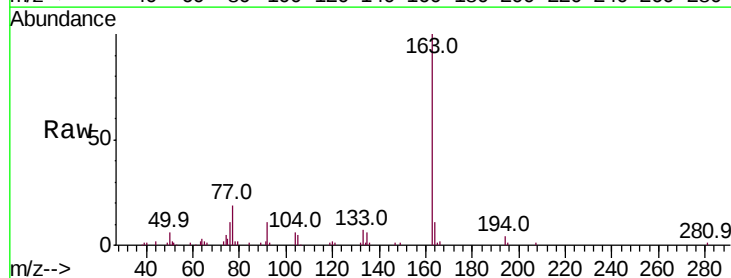
Instrument :
 BNA_N
 ClientSampleId :
 DBFW8

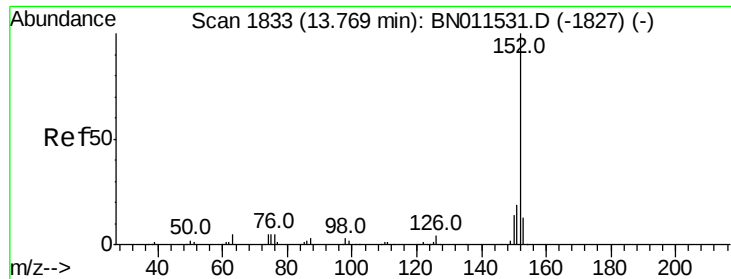
Tot Ion:154	Resp:	383281
Ion Ratio	Lower	Upper
154	100	
153	41.7	32.3 48.5
76	10.0	8.5 12.7



#45
 Dimethylphthalate
 Concen: 3.818 ng/ul
 RT: 13.53 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: BN011534.D
 Acq: 20 Aug 2020 21:29

Tgt Ion:163	Resp:	100725
Ion Ratio	Lower	Upper
163	100	
194	4.0	3.8 5.6
164	10.5	8.7 13.1





#48

Acenaphthylene

Concen: 2.442 ng/ul

RT: 13.77 min Scan# 1833

Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

Instrument :

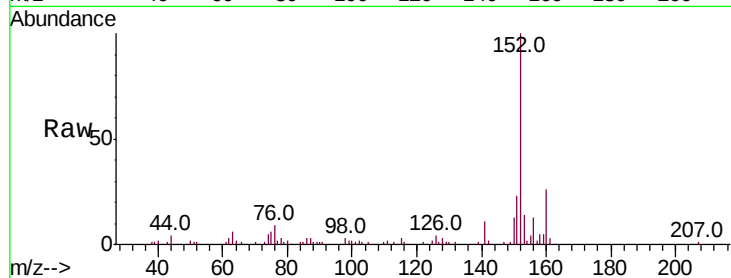
BNA_N

ClientSampleId :

DBFW8

Tot Ion:152 Resp: 78237

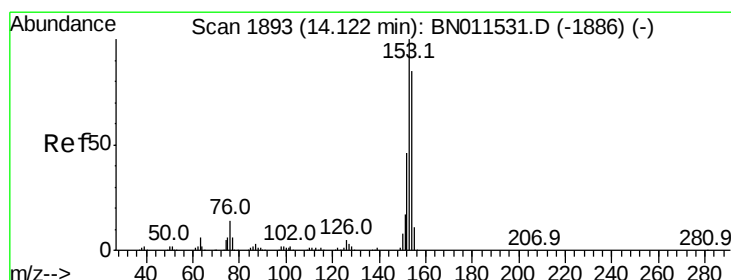
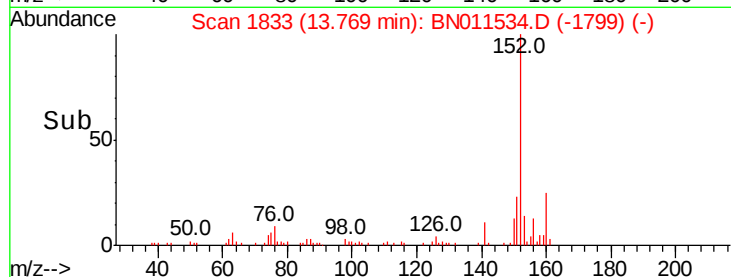
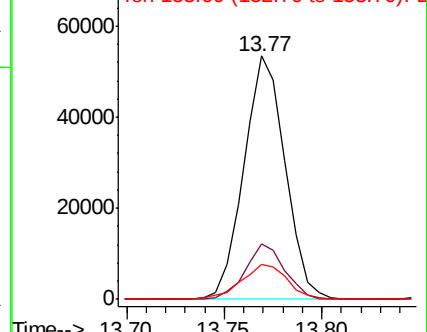
Ion	Ratio	Lower	Upper
152	100		
151	22.9	15.4	23.2
153	14.2	9.9	14.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 67.777 ng/ul

RT: 14.12 min Scan# 1893

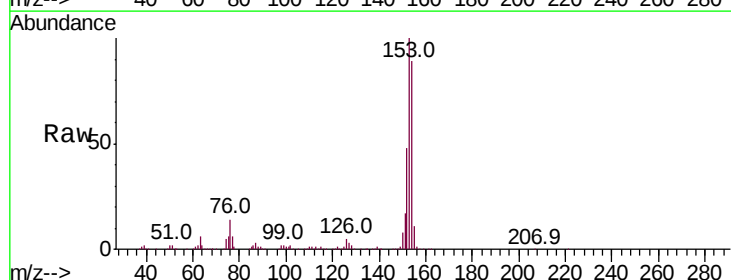
Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

Tgt Ion:153 Resp: 1520136

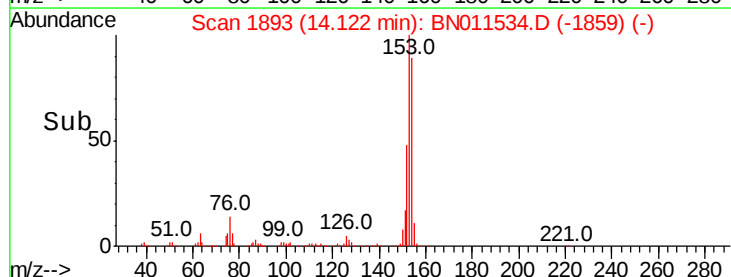
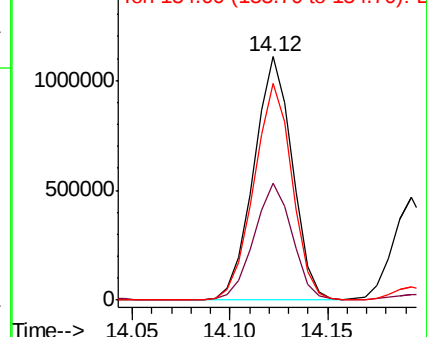
Ion	Ratio	Lower	Upper
153	100		
152	47.9	37.6	56.4
154	88.9	72.0	108.0

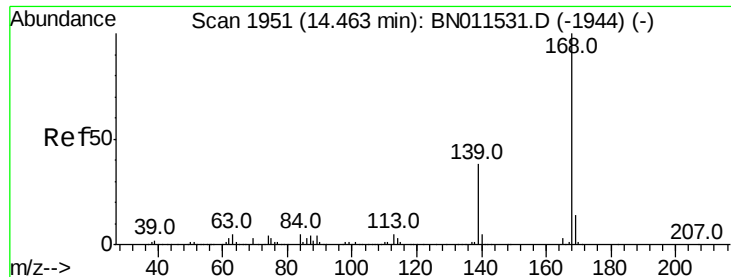


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 36.343 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

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ClientSampleId :

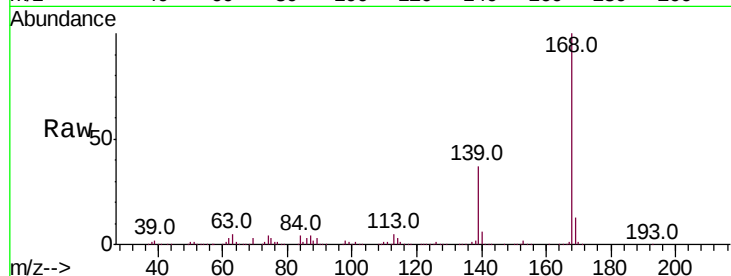
DBFW8

Tot Ion:168 Resp: 1182144

Ion Ratio Lower Upper

168 100

139 37.2 31.1 46.7



Abundance Ion 168.00 (167.70 to 168.70): E

1000000 Ion 139.00 (138.70 to 139.70): E

800000

600000

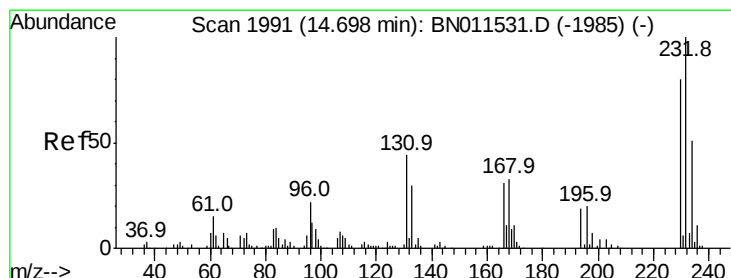
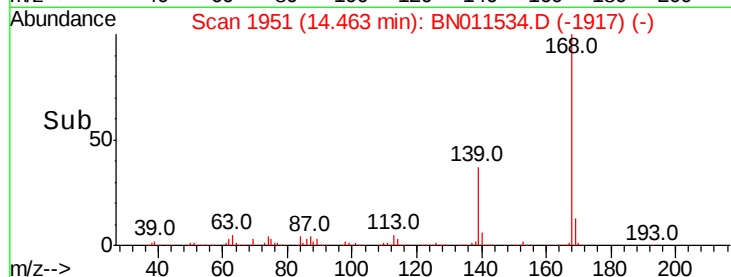
400000

200000

0

14.40 14.45 14.50

Time-->



#56

2,3,4,6-Tetrachlorophenol

Concen: 3.250 ng/ul

RT: 14.62 min Scan# 1977

Delta R.T. -0.08 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

Tgt Ion:232 Resp: 19928

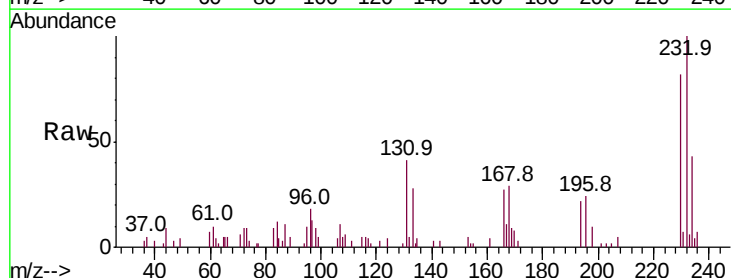
Ion Ratio Lower Upper

232 100

131 41.2 35.8 53.6

130 2.4 2.2 3.2

166 27.0 24.1 36.1



Abundance Ion 232.00 (231.70 to 232.70): E

20000 Ion 131.00 (130.70 to 131.70): E

15000 Ion 130.00 (129.70 to 130.70): E

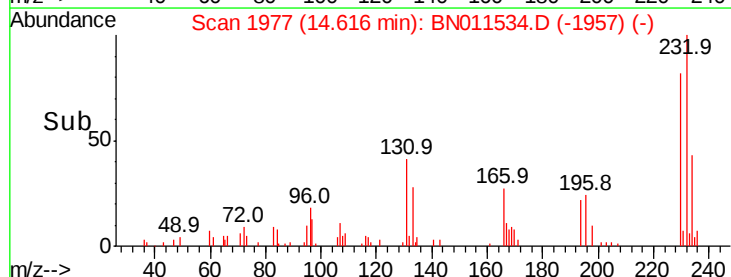
10000 Ion 166.00 (165.70 to 166.70): E

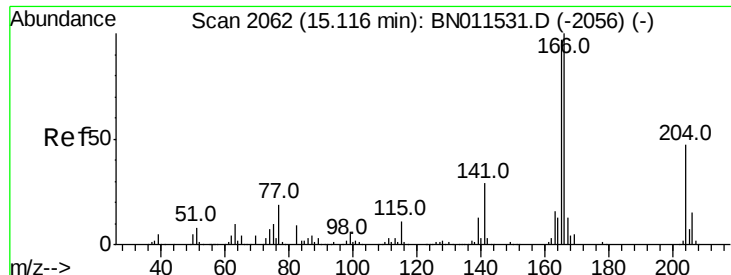
5000

0

14.60 14.65

Time-->





#59

Fluorene

Concen: 29.670 ng/ul

RT: 15.12 min Scan# 2062

Delta R.T. 0.00 min

Lab File: BN011534.D

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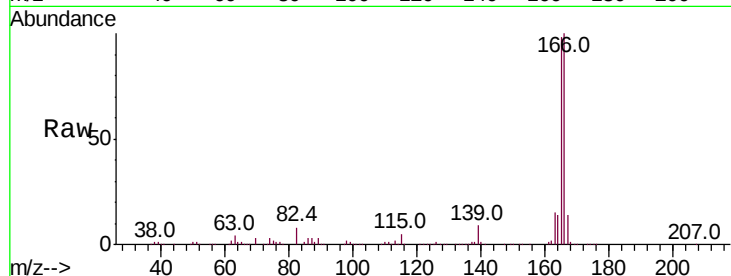
Tot Ion:166 Resp: 777843

Ion Ratio Lower Upper

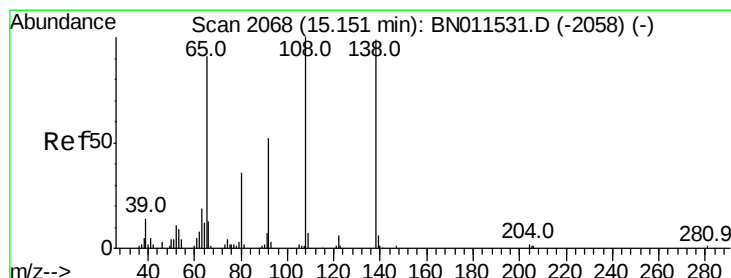
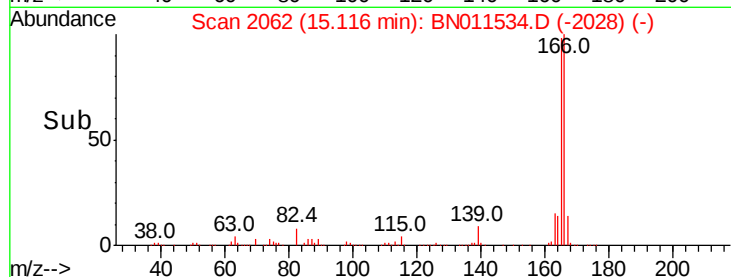
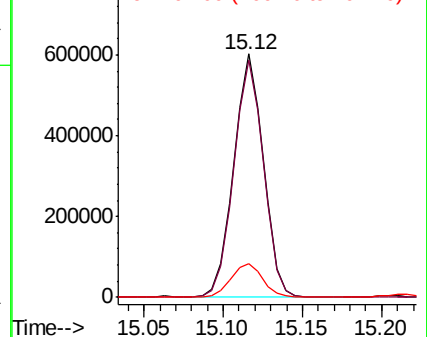
166 100

165 97.7 78.0 117.0

167 13.9 11.9 17.9



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#61

4-Nitroaniline

Concen: 1.993 ng/ul

RT: 15.12 min Scan# 2062

Delta R.T. -0.04 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

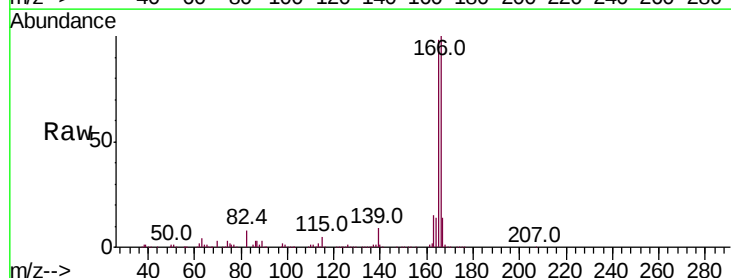
Tgt Ion:138 Resp: 9648

Ion Ratio Lower Upper

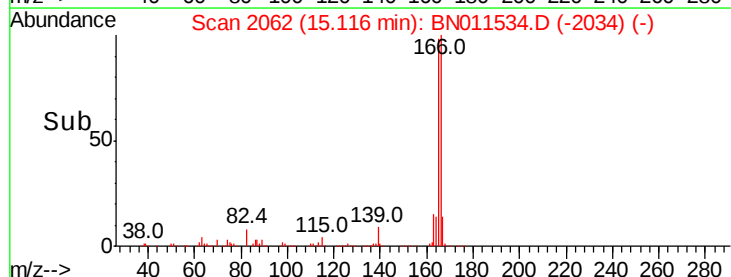
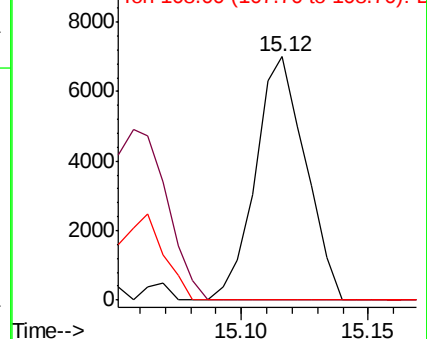
138 100

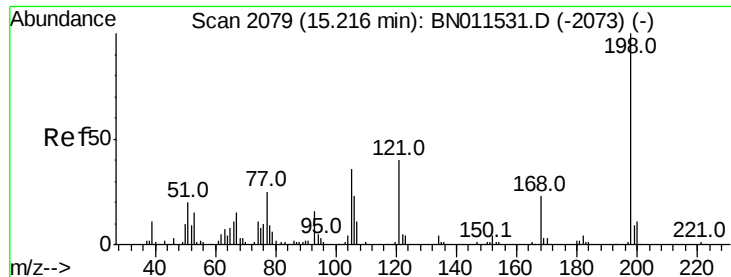
92 0.0 45.2 67.8#

108 0.0 83.5 125.3#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BNC
Ion 108.00 (107.70 to 108.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 4.035 ng/ul

RT: 15.22 min Scan# 2080

Delta R.T. 0.01 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

Instrument :

BNA_N

ClientSampleId :

DBFW8

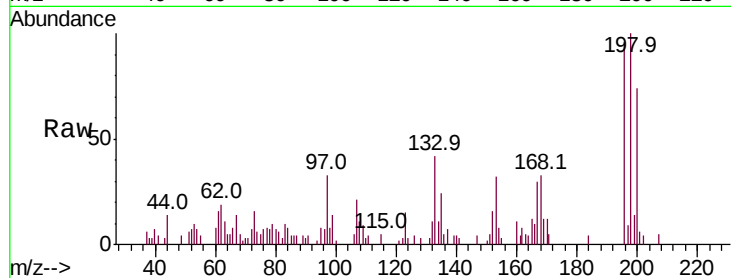
Tot Ion:198 Resp: 21491

Ion Ratio Lower Upper

198 100

182 0.0 4.5 6.7#

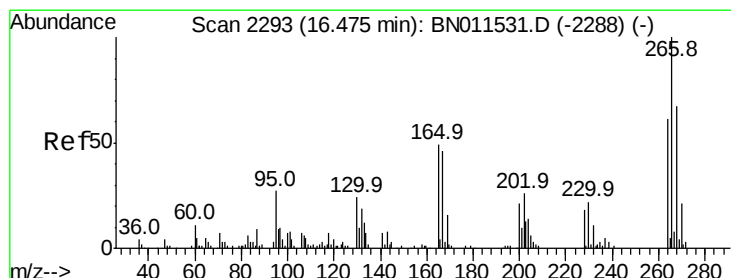
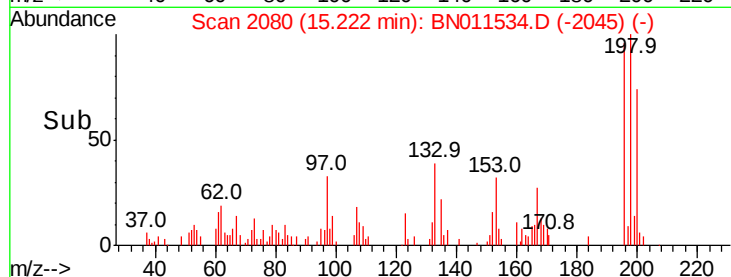
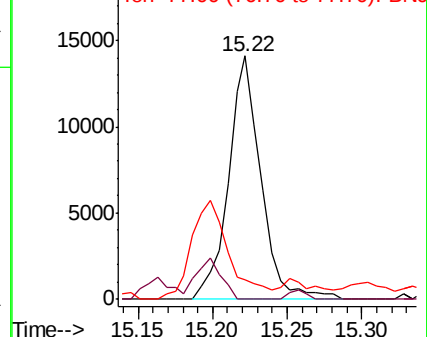
77 8.3 22.2 33.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BNC



#69

Pentachlorophenol

Concen: 2.458 ng/ul

RT: 16.47 min Scan# 2293

Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

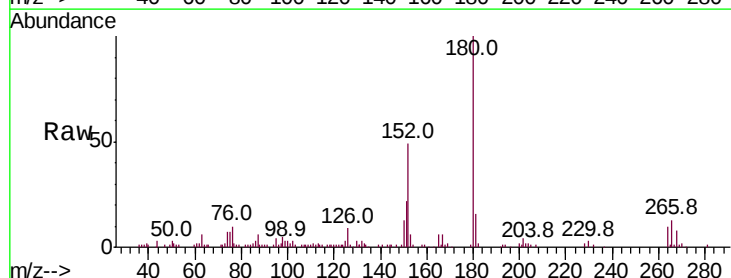
Tgt Ion:266 Resp: 13216

Ion Ratio Lower Upper

266 100

264 76.5 67.9 101.9

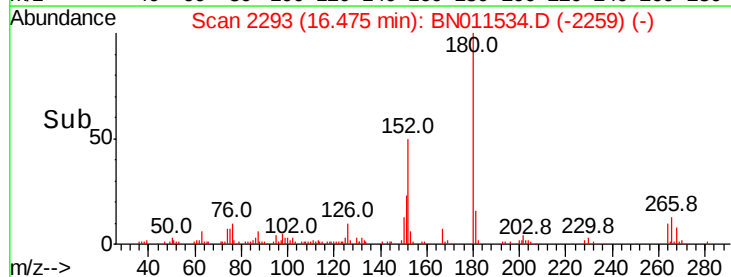
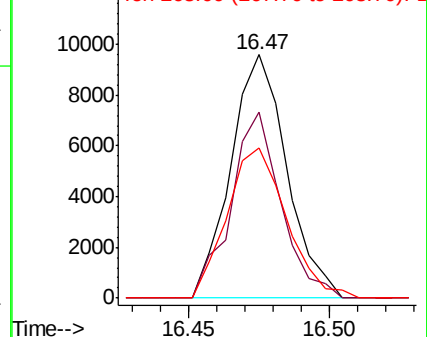
268 61.9 63.4 95.2#

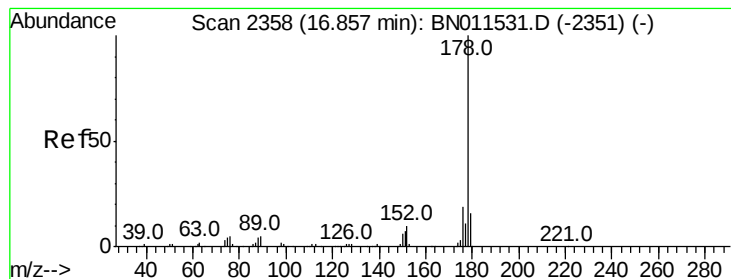


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 15.167 ng/ul

RT: 16.86 min Scan# 2358

Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

Instrument :

BNA_N

ClientSampleId :

DBFW8

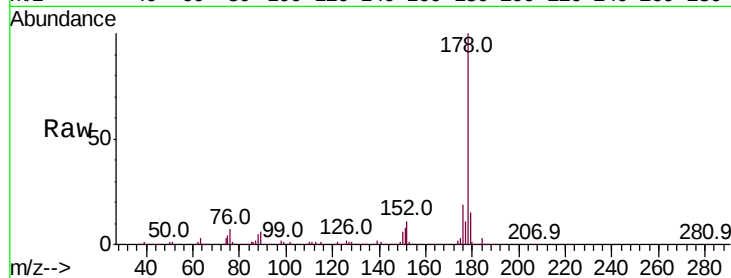
Tot Ion:178 Resp: 666605

Ion Ratio Lower Upper

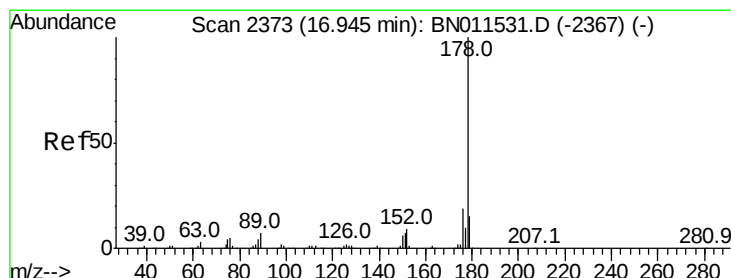
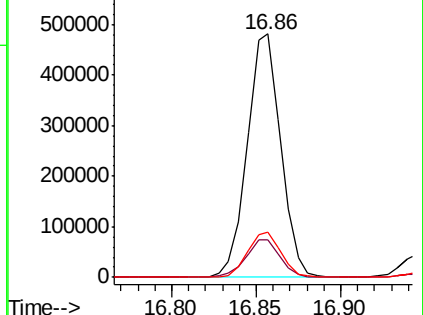
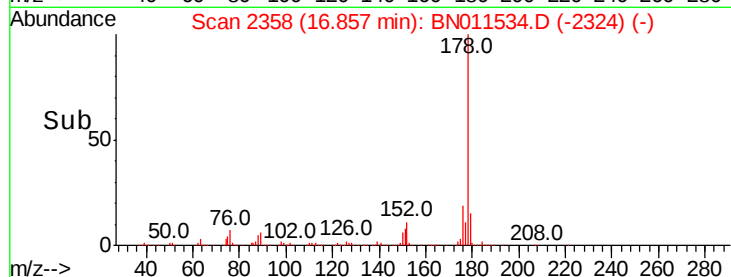
178 100

179 15.5 13.1 19.7

176 18.7 15.7 23.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 1.413 ng/ul

RT: 16.95 min Scan# 2373

Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

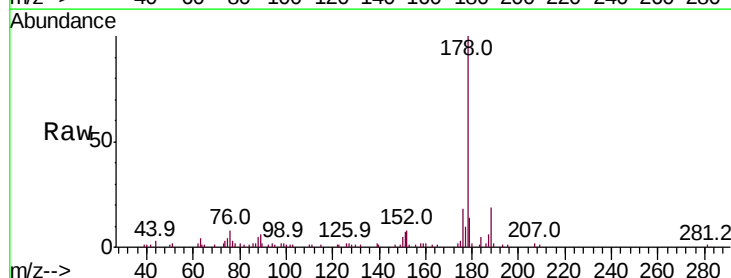
Tgt Ion:178 Resp: 62893

Ion Ratio Lower Upper

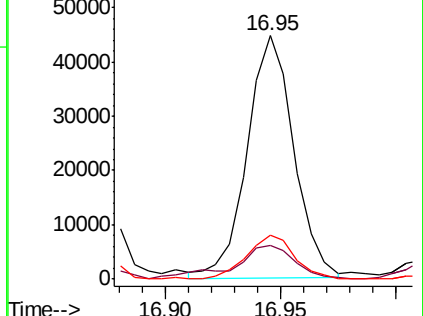
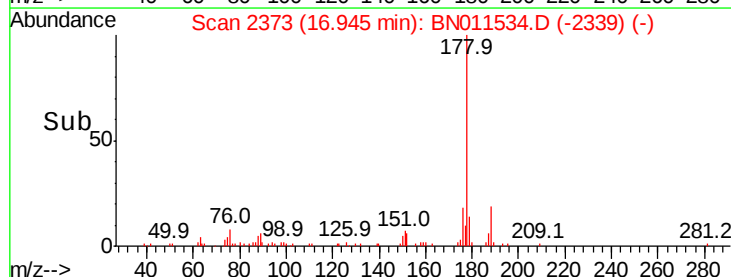
178 100

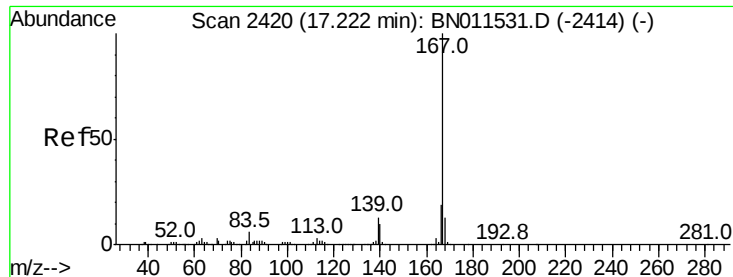
179 14.0 13.0 19.4

176 18.0 14.6 21.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 73.246 ng/ul

RT: 17.23 min Scan# 2421

Delta R.T. 0.01 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

Instrument :

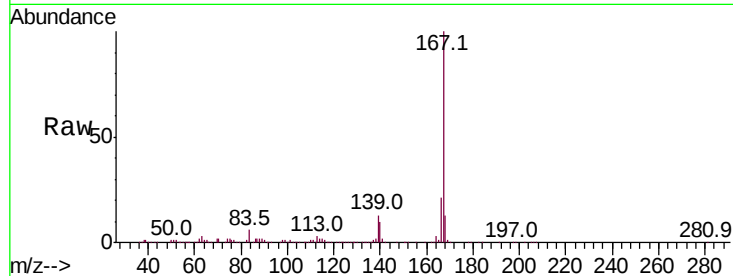
BNA_N

ClientSampled :

DBFW8

Tot Ion:167 Resp: 2742019

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.2	25.8
139	13.1	10.2	15.2

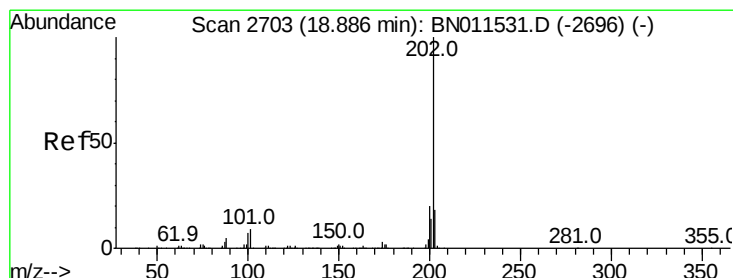
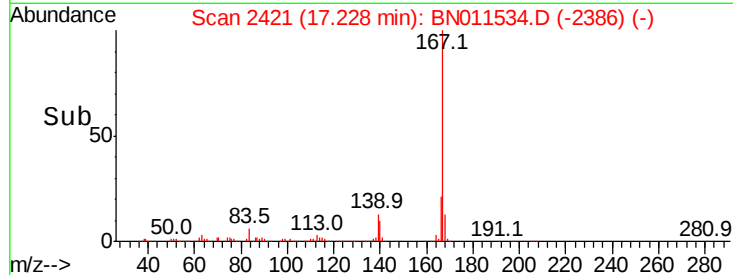
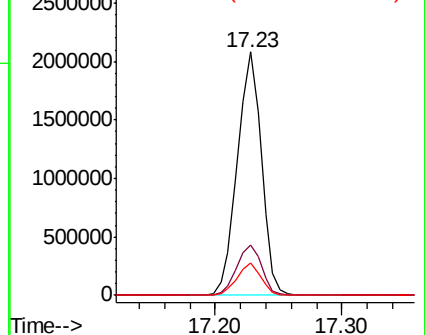


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 1.258 ng/ul

RT: 18.89 min Scan# 2703

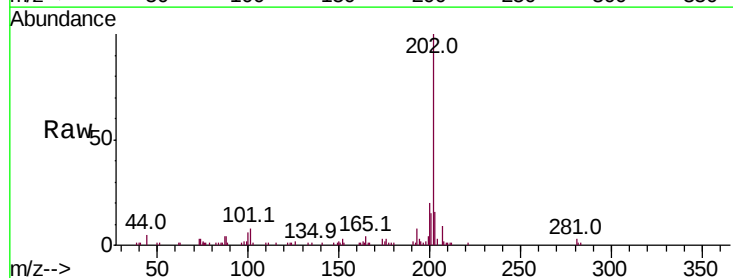
Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

Tgt Ion:202 Resp: 67664

Ion	Ratio	Lower	Upper
202	100		
101	7.5	7.3	10.9
100	6.5	5.2	7.8



Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

