

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
 Data File : BN008544.D
 Acq On : 14 Nov 2019 04:47
 Operator : JU
 Sample : K5678-18
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 14 07:07:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN111319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 13 15:23:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	327407	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	1347235	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	841892	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	1678835	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1398951	20.00	ng/ul	0.00
85) Perylene-d12	23.38	264	1577742	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	26366	3.27	ng/uL	0.00
5) Phenol-d5	6.81	99	615305	21.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	412218	23.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	495872	22.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	448898	20.11	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	232496	25.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	215031	24.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	484711	22.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	272749	10.59	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	1508293	22.64	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	1841315	24.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	101528	9.83	ng/ul	0.00
57) Fluorene-d10	15.25	176	1332289	24.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	98962	15.44	ng/ul	0.00
70) Anthracene-d10	17.10	188	1947827	24.48	ng/ul	0.00
78) Pyrene-d10	19.40	212	2029167	25.40	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.24	264	1951601	23.82	ng/ul	0.00

Target Compounds

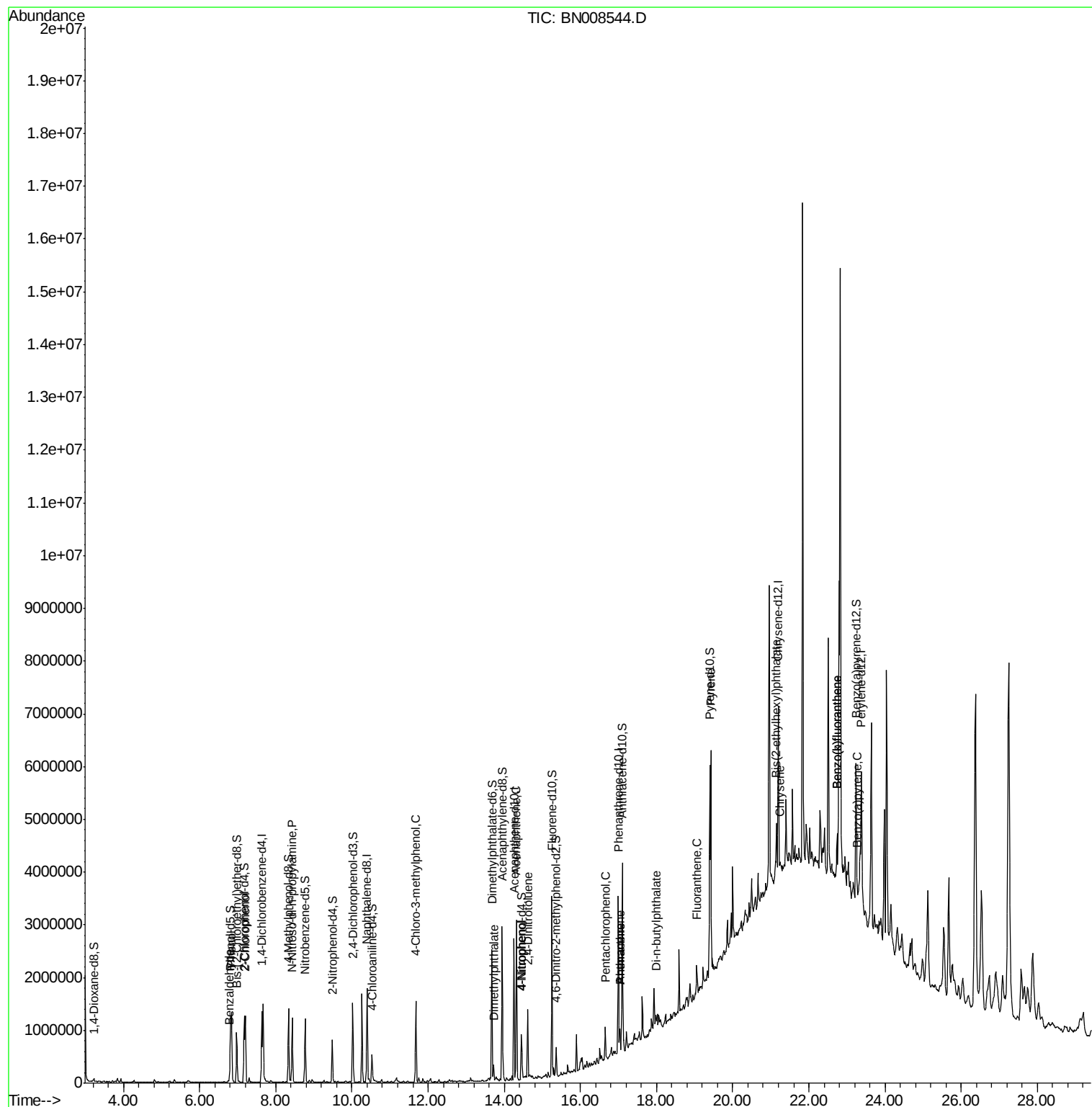
					Ovalue	
4) Benzaldehyde	6.79	77	18766	1.141	ng/ul	93
6) Phenol	6.84	94	598892	20.194	ng/ul	98
10) 2-Chlorophenol	7.20	128	457958	20.256	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.43	70	372007	19.737	ng/ul	98
33) 4-Chloro-3-methylphenol	11.67	107	507097	19.970	ng/ul	98
44) Dimethylphthalate	13.72	163	168294	2.609	ng/ul	99
49) Acenaphthene	14.32	153	1188544	22.488	ng/ul	99
52) 4-Nitrophenol	14.46	109	107025	10.554	ng/ul	89
54) 2,4-Dinitrotoluene	14.62	165	300505	20.999	ng/ul	98
68) Pentachlorophenol	16.65	266	98555	9.376	ng/ul	96
69) Phenanthrene	17.04	178	268725	2.955	ng/ul	98
71) Anthracene	17.04	178	268931	2.894	ng/ul	99
75) Di-n-butylphthalate	17.99	149	112480	1.081	ng/ul#	92
76) Fluoranthene	19.06	202	254620	2.437	ng/ul	98
79) Pyrene	19.43	202	2571486	25.681	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.15	149	360738	5.946	ng/ul	99
84) Chrysene	21.23	228	133454	1.449	ng/ul#	86
87) Benzo(b)fluoranthene	22.73	252	146615	1.489	ng/ul#	43
88) Benzo(k)fluoranthene	22.73	252	146615	1.582	ng/ul#	43
90) Benzo(a)pyrene	23.28	252	105873	1.131	ng/ul#	50

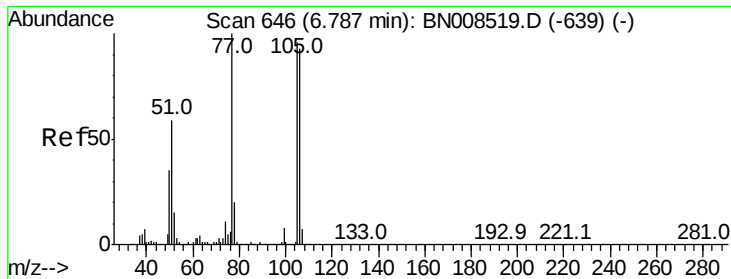
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.141 ng/ul

RT: 6.79 min Scan# 646

Delta R.T. -0.00 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

Instrument :

BNA_N

ClientSampled :

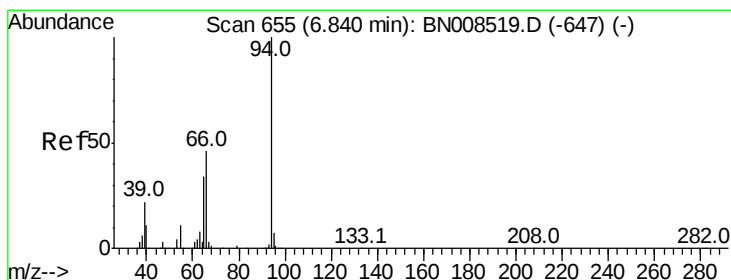
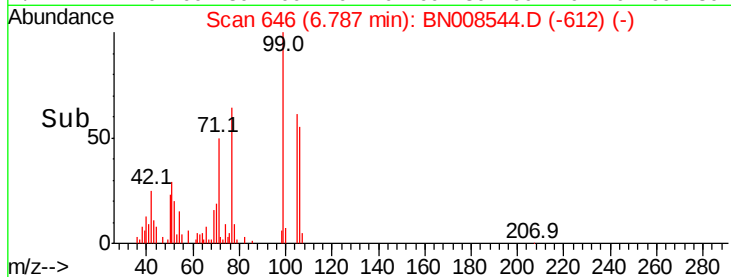
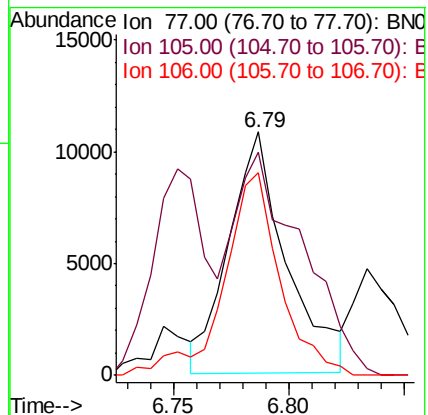
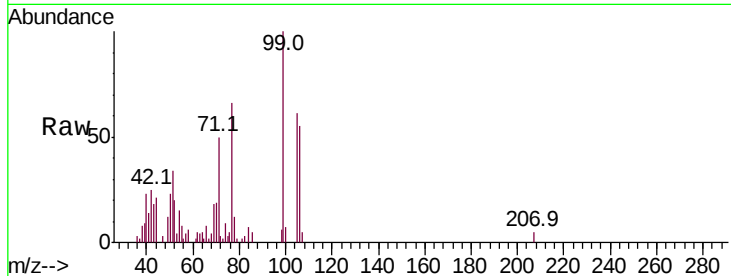
Tot Ion: 77 Resp: 18766

Ion Ratio Lower Upper

77 100

105 91.9 76.6 114.8

106 83.1 73.9 110.9



#6

Phenol

Concen: 20.194 ng/ul

RT: 6.84 min Scan# 655

Delta R.T. -0.00 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

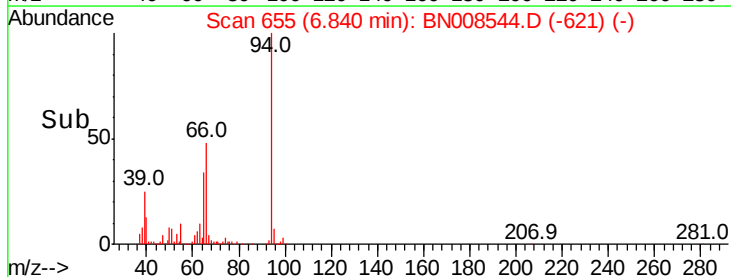
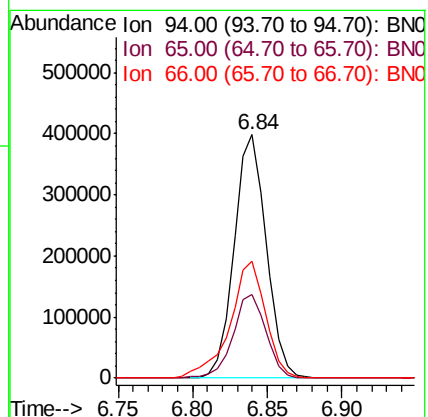
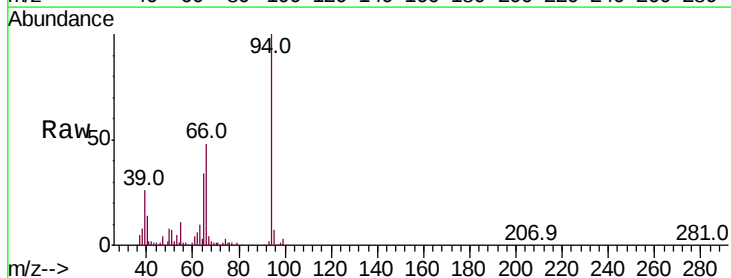
Tgt Ion: 94 Resp: 598892

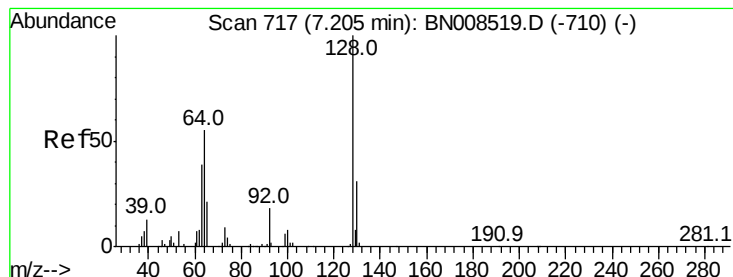
Ion Ratio Lower Upper

94 100

65 34.2 27.7 41.5

66 48.0 37.0 55.6





#10

2-Chlorophenol

Concen: 20.256 ng/ul

RT: 7.20 min Scan# 717

Delta R.T. -0.00 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

Instrument :

BNA_N

ClientSampleId :

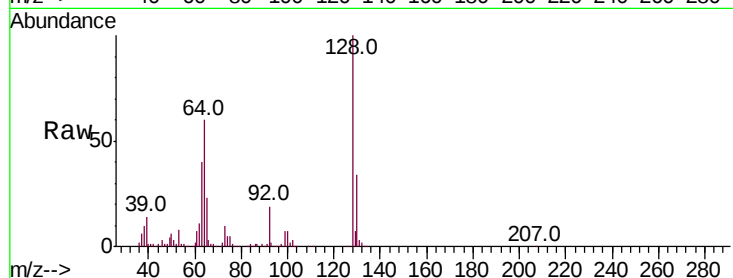
Tot Ion:128 Resp: 457958

Ion Ratio Lower Upper

128 100

64 60.3 46.2 69.2

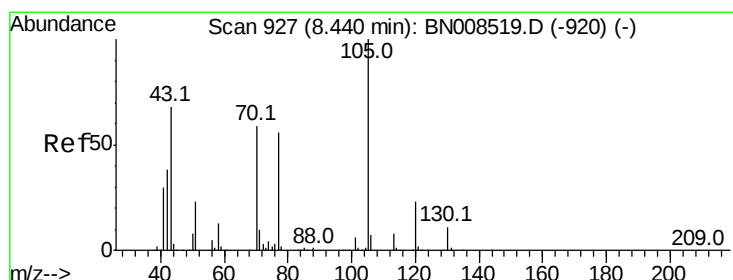
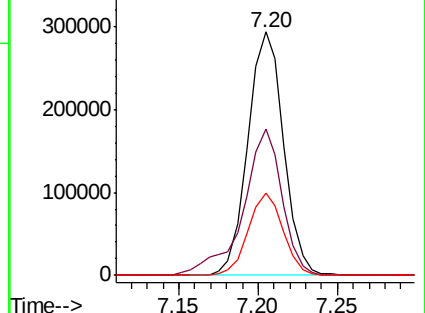
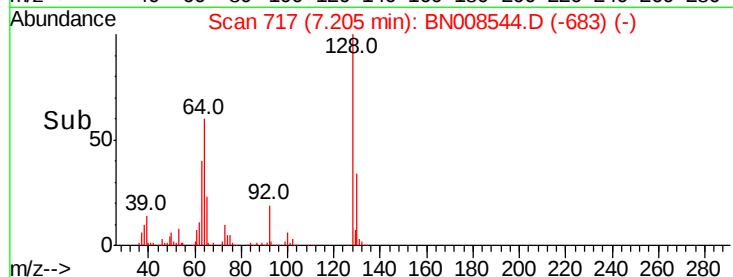
130 33.6 24.6 36.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 130.00 (129.70 to 130.70): E



#15

N-Nitroso-di-n-propylamine

Concen: 19.737 ng/ul

RT: 8.43 min Scan# 926

Delta R.T. -0.01 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

Tgt Ion: 70 Resp: 372007

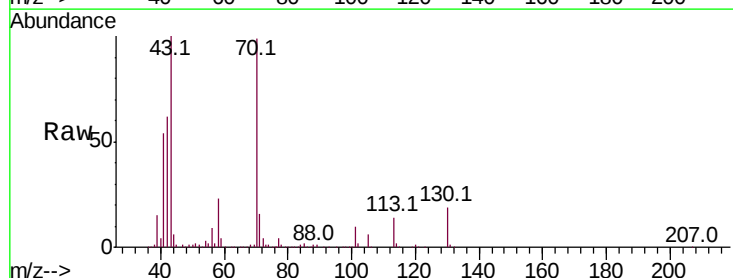
Ion Ratio Lower Upper

70 100

42 62.8 52.0 78.0

101 9.7 7.5 11.3

130 18.9 14.9 22.3

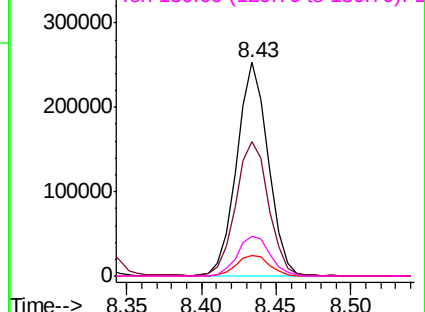
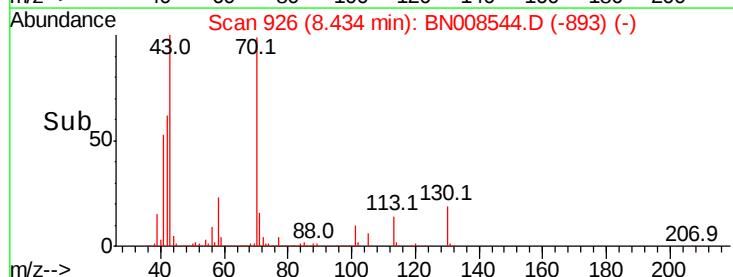


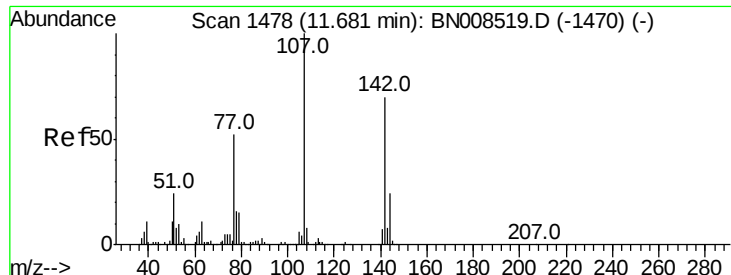
Abundance Ion 70.00 (69.70 to 70.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

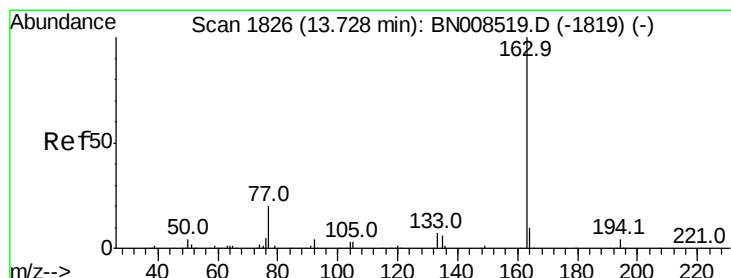
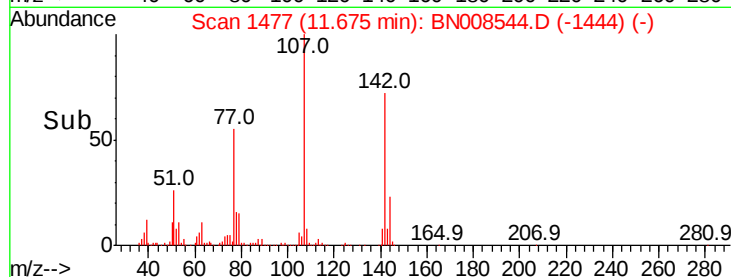
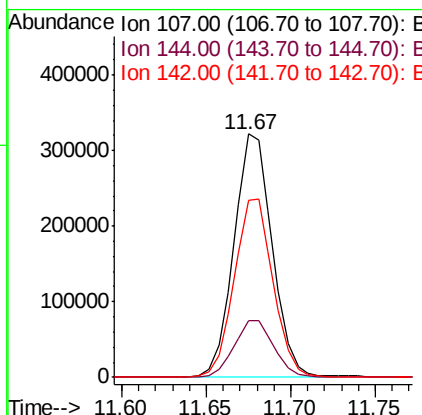
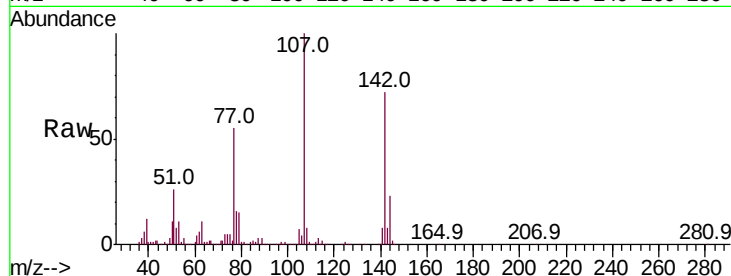




#33
 4-Chloro-3-methylphenol
 Concen: 19.970 ng/ul
 RT: 11.67 min Scan# 1477
 Delta R.T. -0.01 min
 Lab File: BN008544.D
 Acq: 14 Nov 2019 04:47

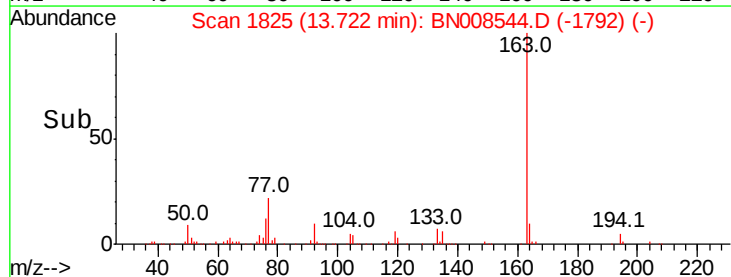
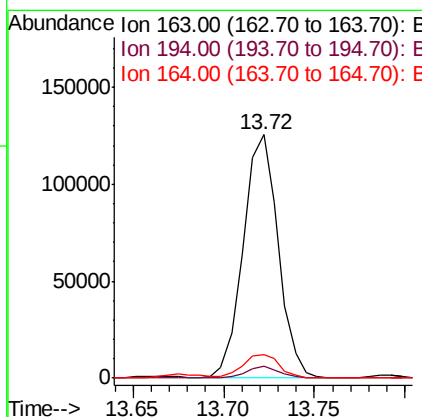
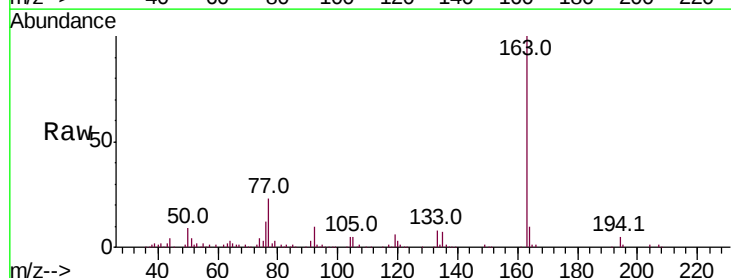
Instrument :
 BNA_N
 ClientSampleId :

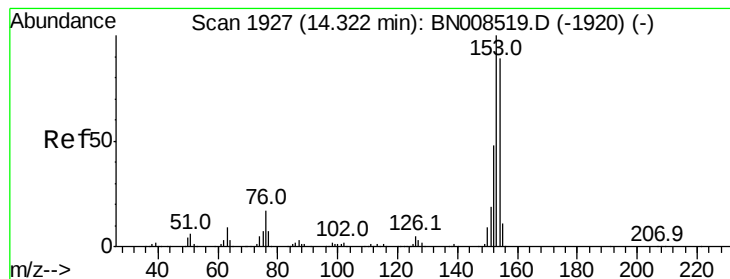
Tot Ion	Ratio	Lower	Upper
107	100		
144	23.3	19.2	28.8
142	72.5	56.2	84.4



#44
 Dimethylphthalate
 Concen: 2.609 ng/ul
 RT: 13.72 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BN008544.D
 Acq: 14 Nov 2019 04:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.6	5.4
164	9.9	8.1	12.1





#49

Acenaphthene

Concen: 22.488 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. -0.00 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

Instrument :

BNA_N

ClientSampled :

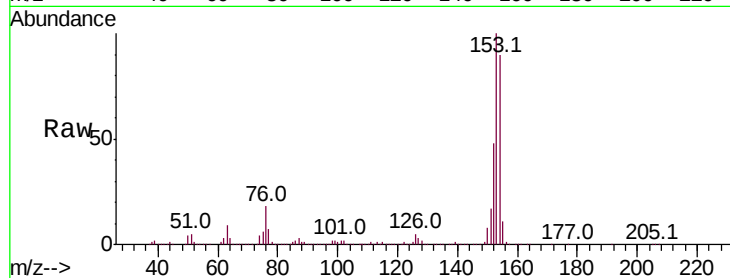
Tot Ion:153 Resp: 1188544

Ion Ratio Lower Upper

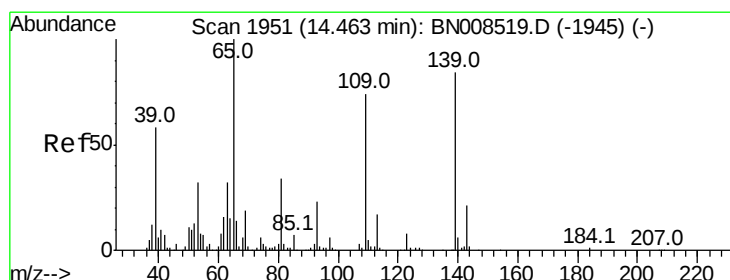
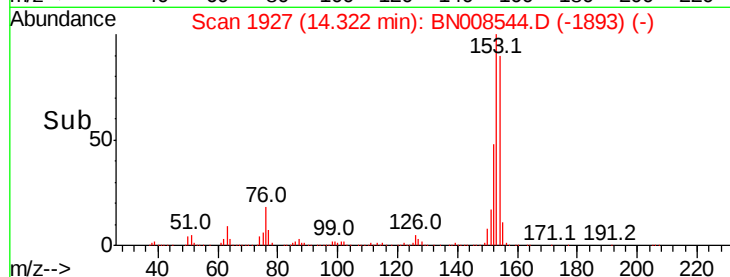
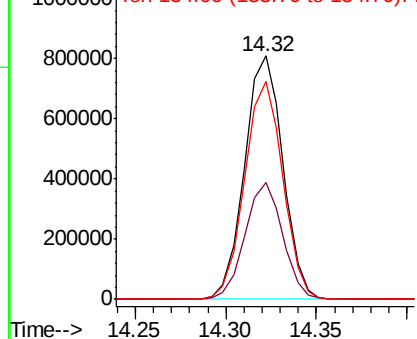
153 100

152 47.8 38.7 58.1

154 89.5 71.3 106.9



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



#52

4-Nitrophenol

Concen: 10.554 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

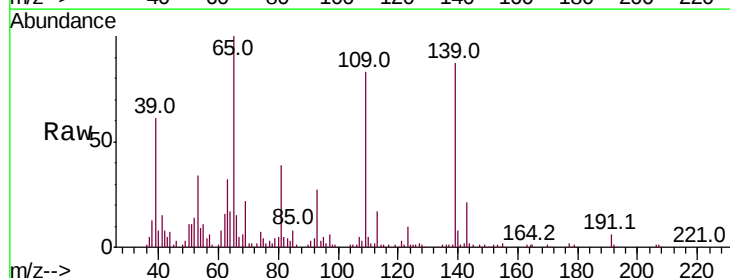
Tgt Ion:109 Resp: 107025

Ion Ratio Lower Upper

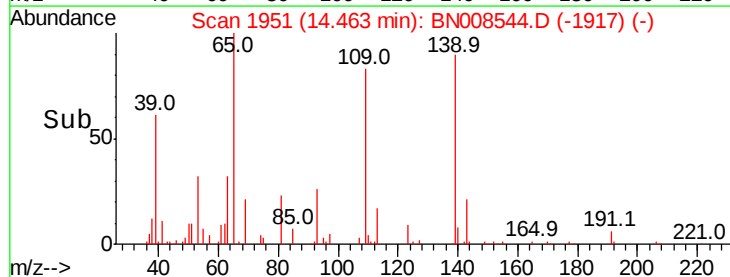
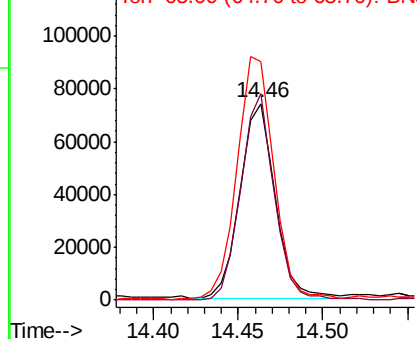
109 100

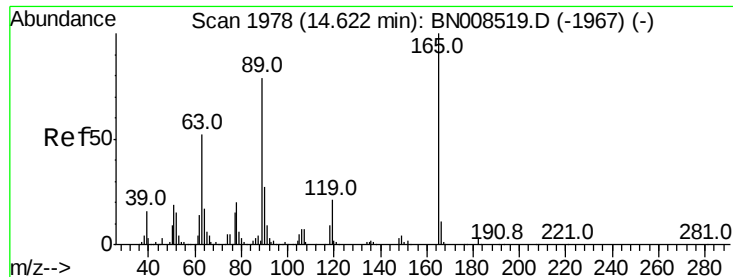
139 105.1 90.8 136.2

65 121.0 109.3 163.9



Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BNC

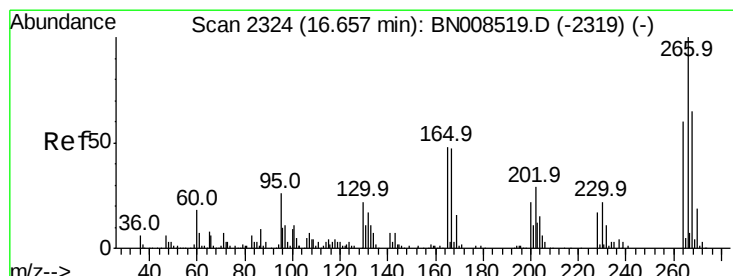
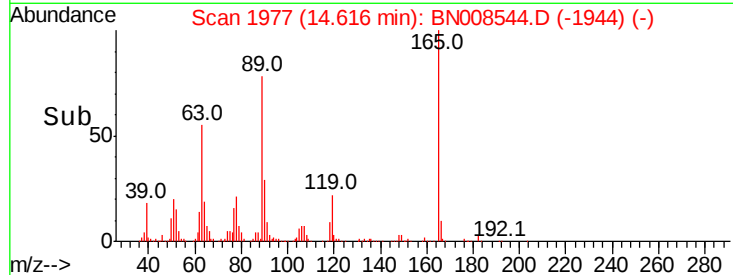
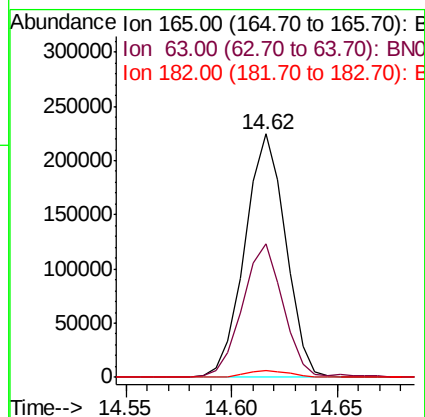
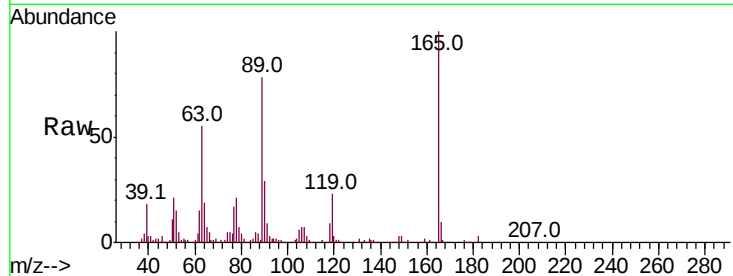




#54
 2,4-Dinitrotoluene
 Concen: 20.999 ng/ul
 RT: 14.62 min Scan# 1977
 Delta R.T. -0.01 min
 Lab File: BN008544.D
 Acq: 14 Nov 2019 04:47

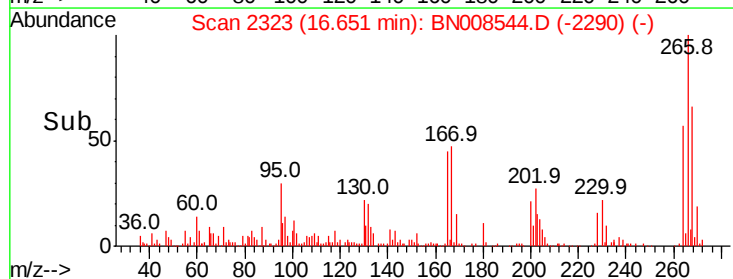
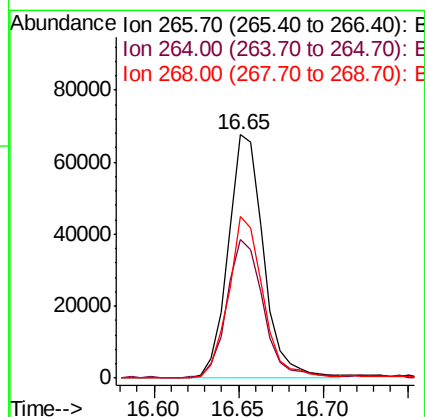
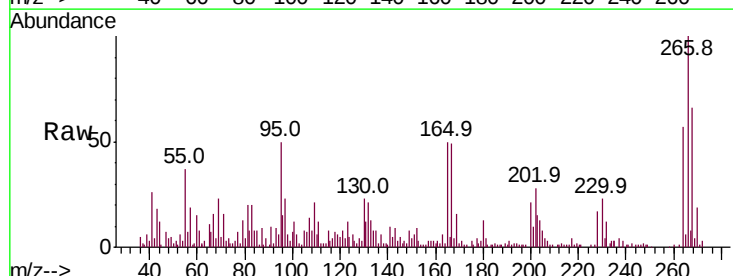
Instrument :
 BNA_N
 ClientSampled :

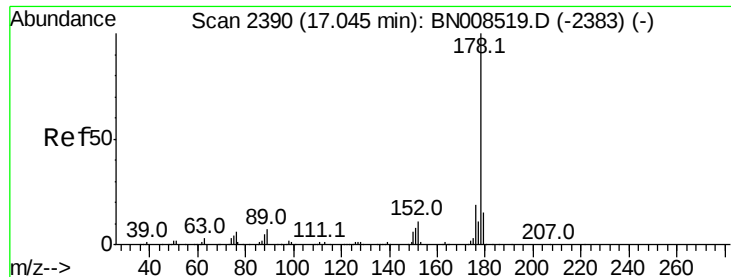
Tot Ion	Ratio	Lower	Upper
165	100		
63	55.1	42.7	64.1
182	3.0	2.3	3.5



#68
 Pentachlorophenol
 Concen: 9.376 ng/ul
 RT: 16.65 min Scan# 2323
 Delta R.T. -0.01 min
 Lab File: BN008544.D
 Acq: 14 Nov 2019 04:47

Tgt Ion	Ratio	Lower	Upper
266	100		
264	56.8	48.2	72.4
268	66.4	51.6	77.4





#69

Phenanthrene

Concen: 2.955 ng/ul

RT: 17.04 min Scan# 2389

Delta R.T. -0.01 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

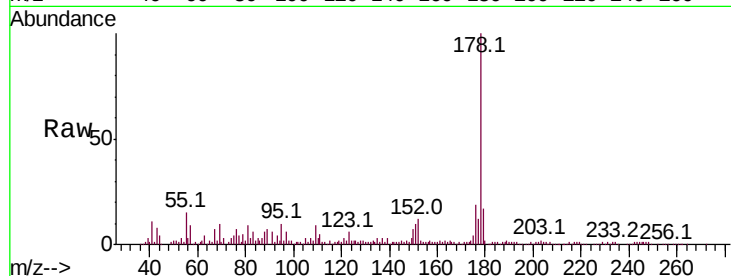
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 268725

Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.1	18.1
176	18.5	15.3	22.9

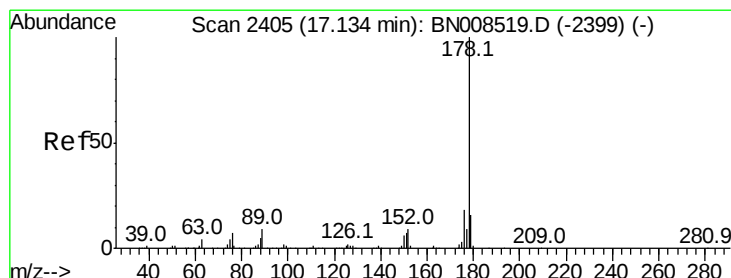
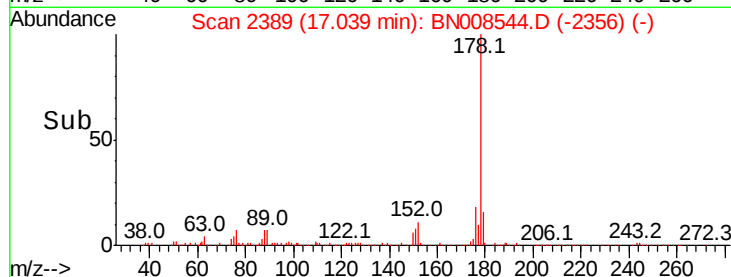
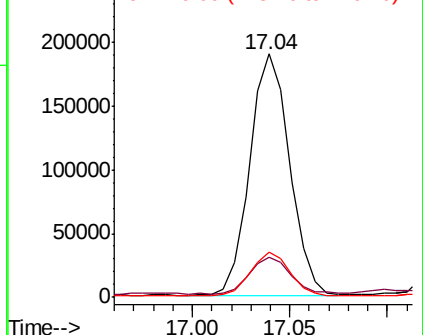


Abundance

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



#71

Anthracene

Concen: 2.894 ng/ul

RT: 17.04 min Scan# 2389

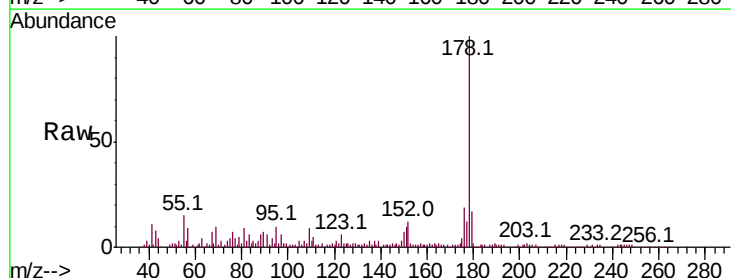
Delta R.T. -0.09 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

Tgt Ion:178 Resp: 268931

Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.8	19.2
176	18.5	14.6	21.8

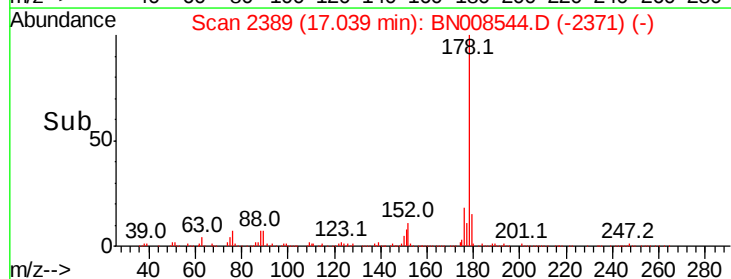
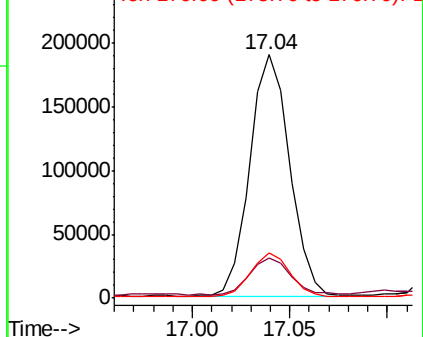


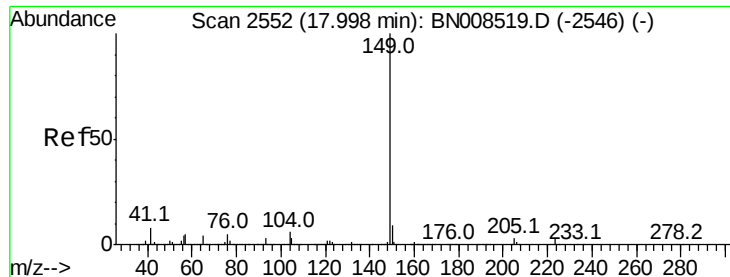
Abundance

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

Di-n-butylphthalate

Concen: 1.081 ng/ul

RT: 17.99 min Scan# 2551

Delta R.T. -0.01 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

Instrument :

BNA_N

ClientSampleId :

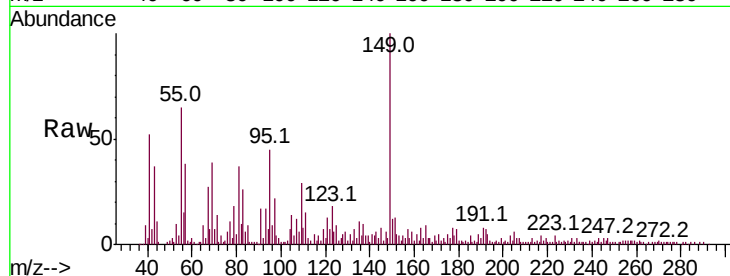
Tot Ion:149 Resp: 112480

Ion Ratio Lower Upper

149 100

150 12.3 7.0 10.4#

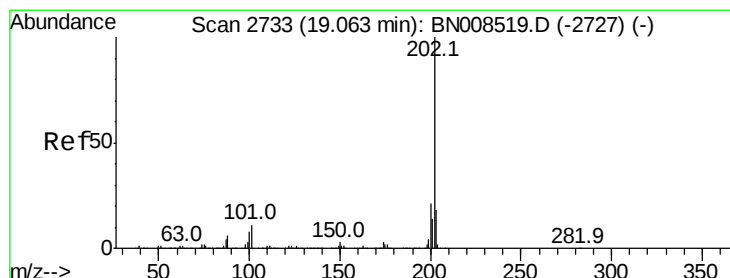
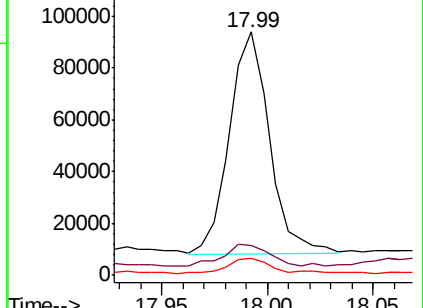
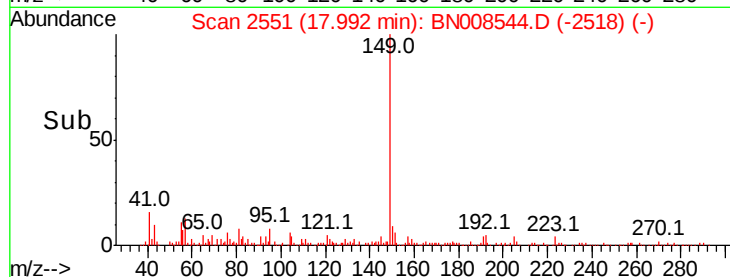
104 7.0 4.5 6.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Fluoranthene

Concen: 2.437 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

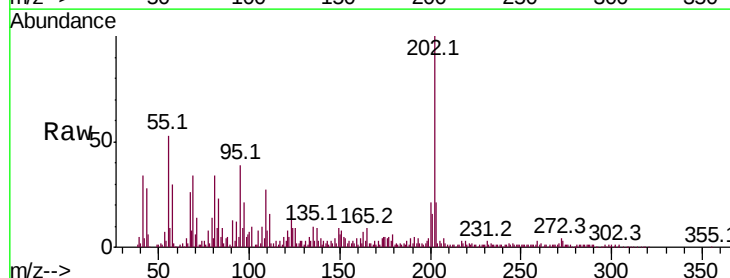
Tgt Ion:202 Resp: 254620

Ion Ratio Lower Upper

202 100

101 10.5 8.6 12.8

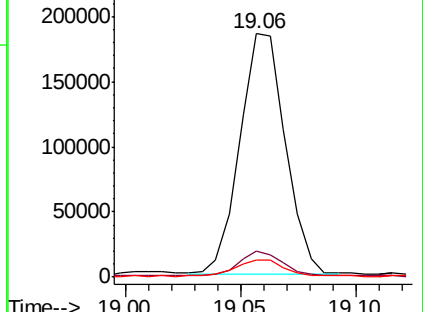
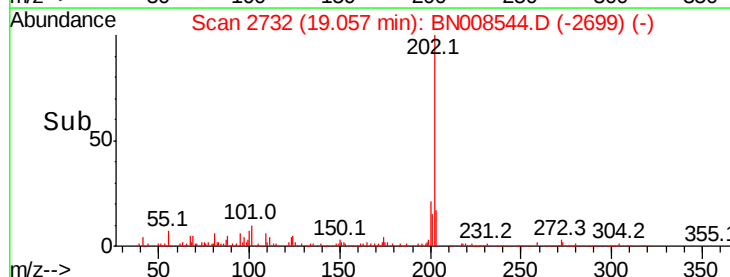
100 7.0 6.8 10.2

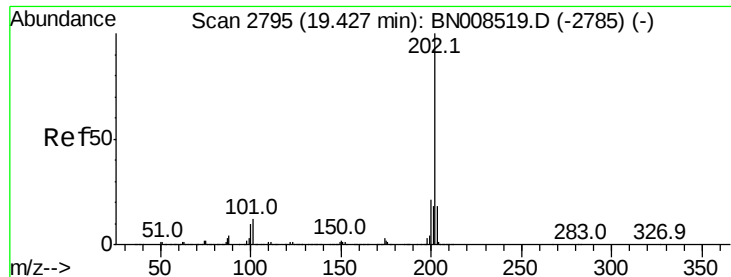


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pvrene

Concen: 25.681 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. -0.00 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

Instrument :

BNA_N

ClientSampled :

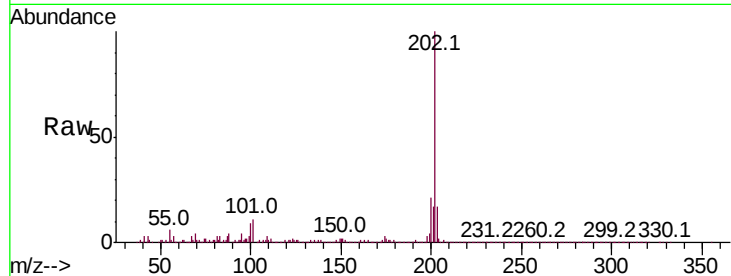
Tot Ion:202 Resp: 2571486

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.6

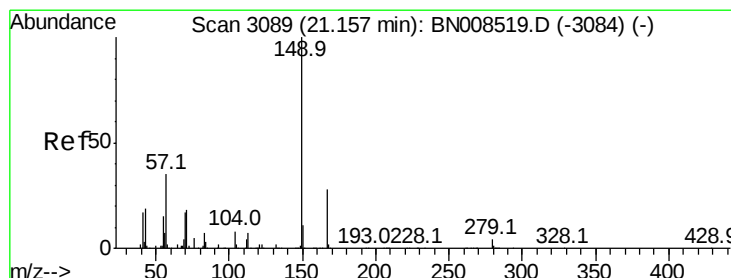
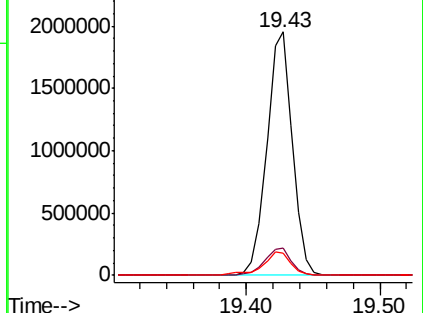
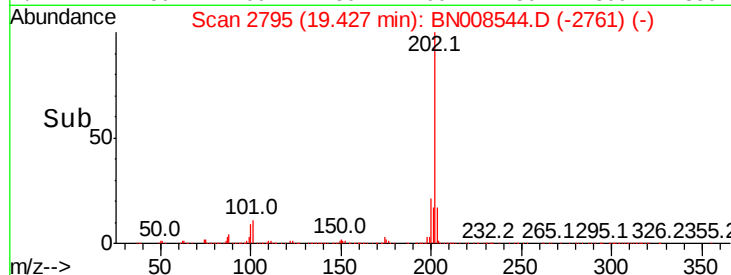
100 9.2 7.8 11.8



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): B



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.946 ng/ul

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

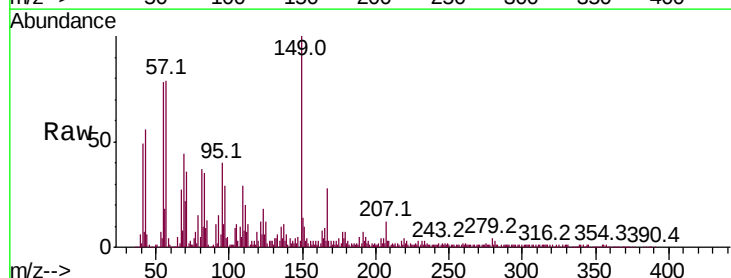
Tgt Ion:149 Resp: 360738

Ion Ratio Lower Upper

149 100

167 27.9 22.1 33.1

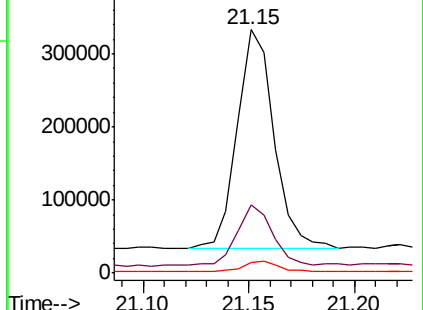
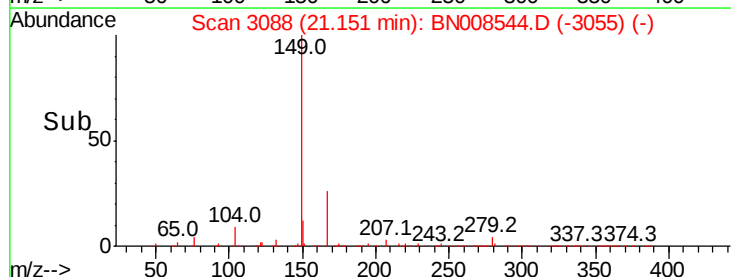
279 4.2 2.9 4.3

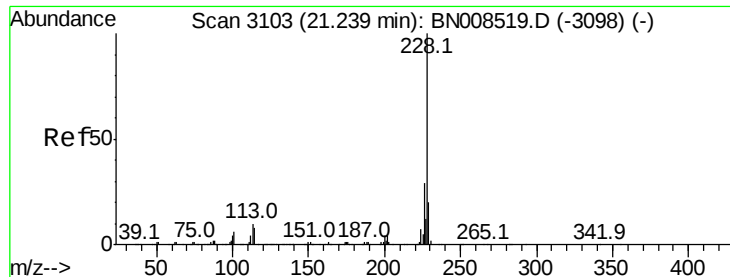


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 1.449 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

Instrument :

BNA_N

ClientSampled :

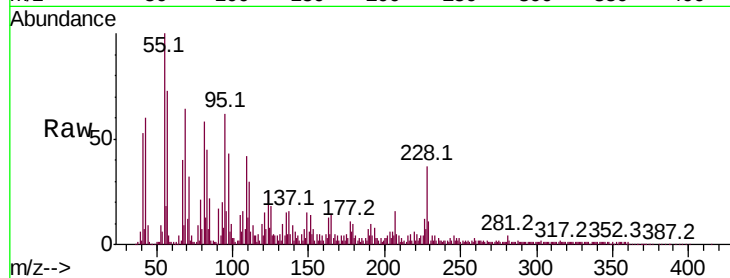
Tot Ion:228 Resp: 133454

Ion Ratio Lower Upper

228 100

226 32.6 22.8 34.2

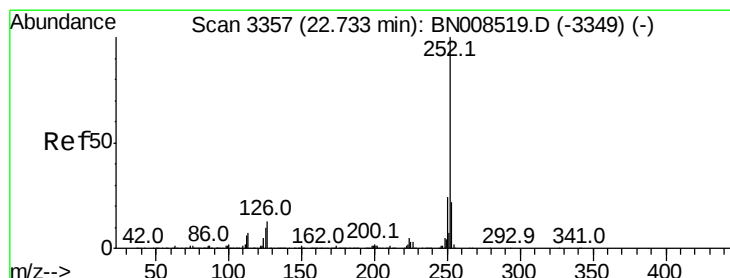
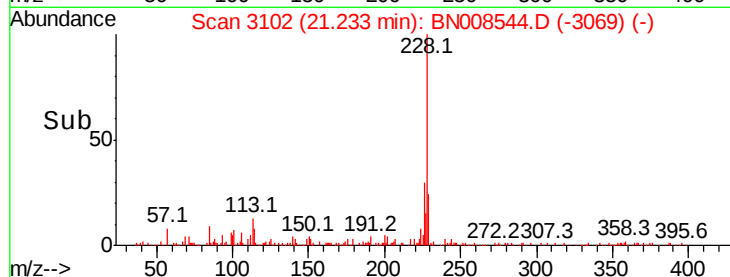
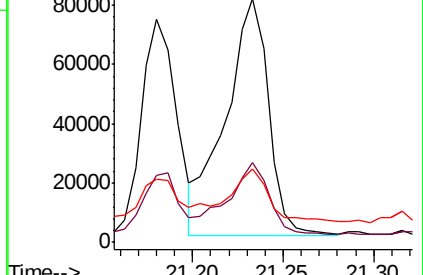
229 30.1 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 1.489 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. -0.00 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

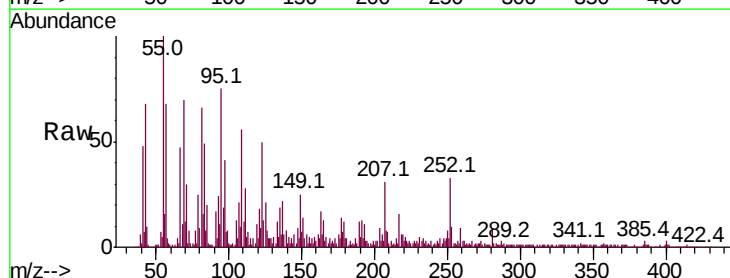
Tgt Ion:252 Resp: 146615

Ion Ratio Lower Upper

252 100

253 30.1 17.8 26.8#

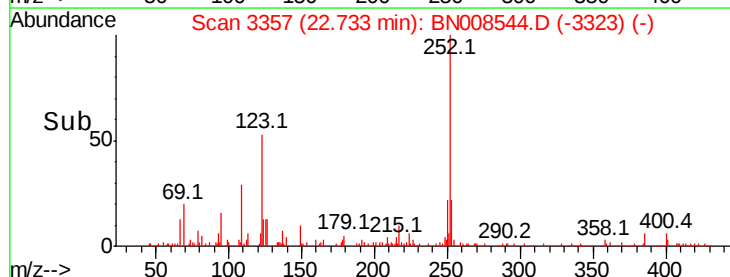
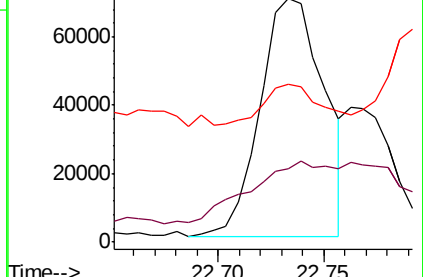
125 65.0 7.8 11.6#

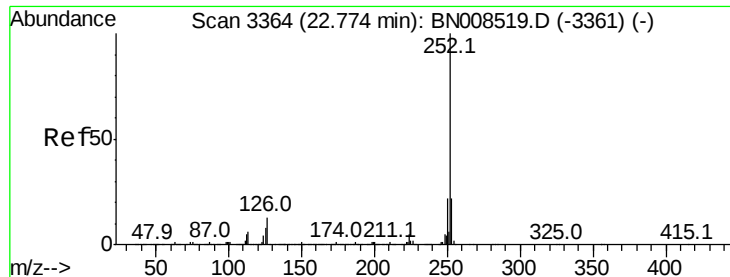


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 1.582 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. -0.04 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

Instrument :

BNA_N

ClientSampled :

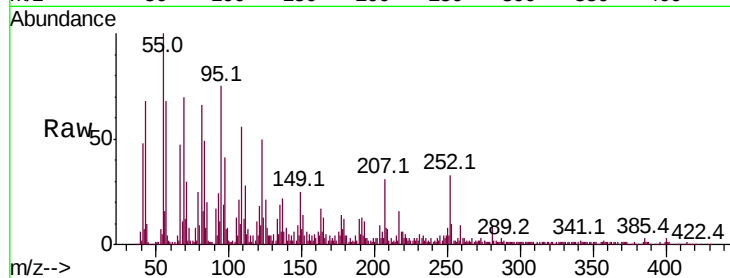
Tot Ion:252 Resp: 146615

Ion Ratio Lower Upper

252 100

253 30.1 17.7 26.5#

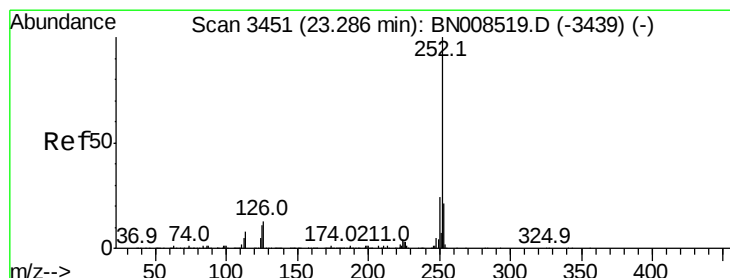
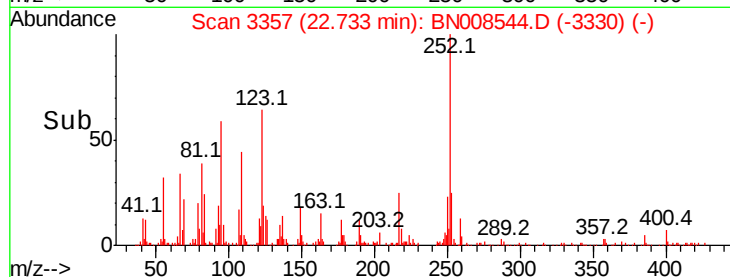
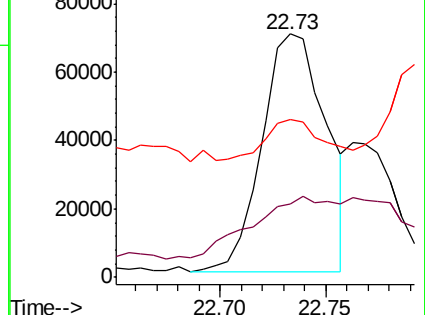
125 65.0 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 1.131 ng/ul

RT: 23.28 min Scan# 3450

Delta R.T. -0.01 min

Lab File: BN008544.D

Acq: 14 Nov 2019 04:47

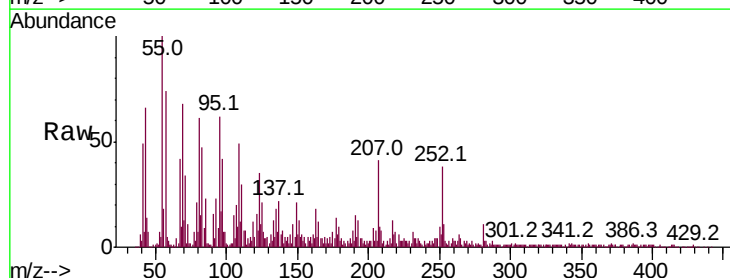
Tgt Ion:252 Resp: 105873

Ion Ratio Lower Upper

252 100

253 28.8 17.2 25.8#

125 55.8 8.6 12.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

