

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052319\
 Data File : BN005888.D
 Acq On : 23 May 2019 19:25
 Operator : JU/SJ
 Sample : K2923-18MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 24 05:35:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 04:04:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	65342	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	285518	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	193388	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	494440	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	558637	20.00	ng/ul	0.01
85) Perylene-d12	23.40	264	537544	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	6151	5.27	ng/uL	0.00
5) Phenol-d5	6.76	99	131583	26.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	75415	28.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	117128	28.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	96437	22.33	ng/ul	0.00
19) Nitrobenzene-d5	8.71	128	59567	28.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	65408	27.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	130621	28.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	126217	24.88	ng/ul	0.00
43) Dimethylphthalate-d6	13.62	166	472635	31.76	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	562101	31.09	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	44374	21.17	ng/ul	0.01
57) Fluorene-d10	15.20	176	421588	32.99	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	24646	8.29	ng/ul	0.02
70) Anthracene-d10	17.06	188	703465	32.93	ng/ul	0.00
78) Pyrene-d10	19.38	212	955572	34.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	880187	36.50	ng/ul	0.01

Target Compounds

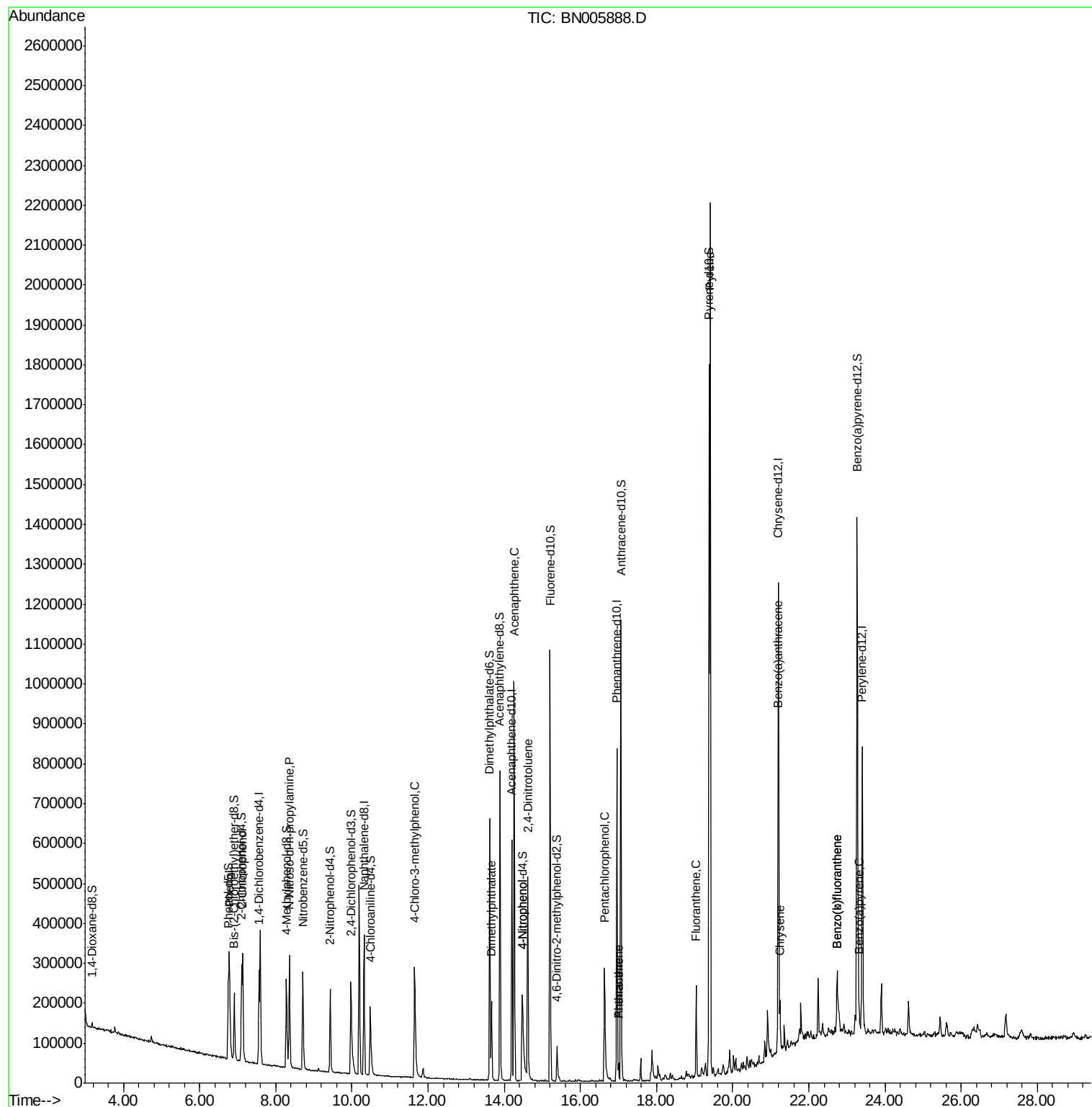
					Ovalue	
6) Phenol	6.79	94	150002	29.140	ng/ul	91
10) 2-Chlorophenol	7.13	128	120555	29.318	ng/ul	93
15) N-Nitroso-di-n-propylamine	8.36	70	97886	29.319	ng/ul	95
33) 4-Chloro-3-methylphenol	11.65	107	138740	27.911	ng/ul	97
44) Dimethylphthalate	13.67	163	135580	9.241	ng/ul	99
49) Acenaphthene	14.26	153	392262	33.253	ng/ul	98
52) 4-Nitrophenol	14.48	109	55752	28.478	ng/ul	83
54) 2,4-Dinitrotoluene	14.62	165	149098	32.185	ng/ul	98
68) Pentachlorophenol	16.63	266	74956	27.970	ng/ul	98
69) Phenanthrene	17.00	178	27872	1.137	ng/ul	99
71) Anthracene	17.00	178	27872	1.117	ng/ul	99
76) Fluoranthene	19.05	202	142192	4.693	ng/ul#	89
79) Pyrene	19.41	202	1345190	39.212	ng/ul#	87
82) Benzo(a)anthracene	21.19	228	71474	2.031	ng/ul	95
84) Chrysene	21.24	228	66986	2.019	ng/ul	97
87) Benzo(b)fluoranthene	22.76	252	72672	2.457	ng/ul#	95
88) Benzo(k)fluoranthene	22.76	252	72672	2.540	ng/ul#	96
90) Benzo(a)pyrene	23.32	252	46204	1.613	ng/ul	98

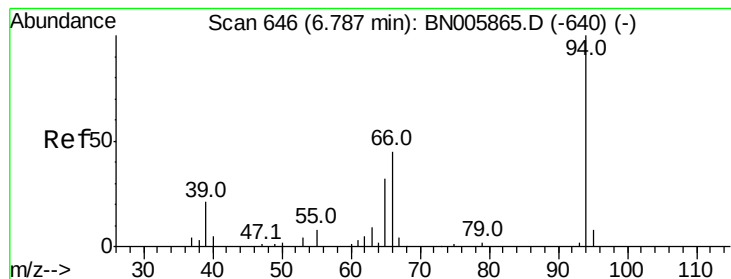
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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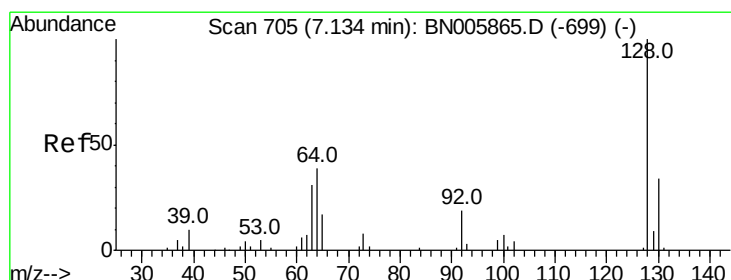
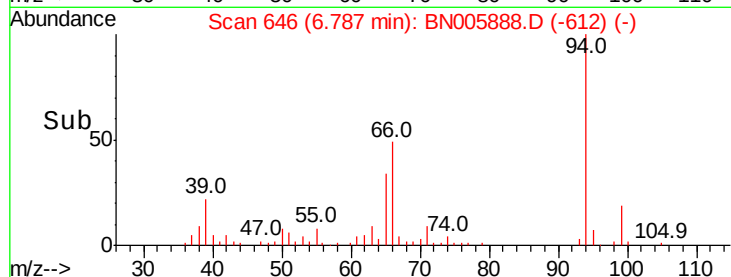
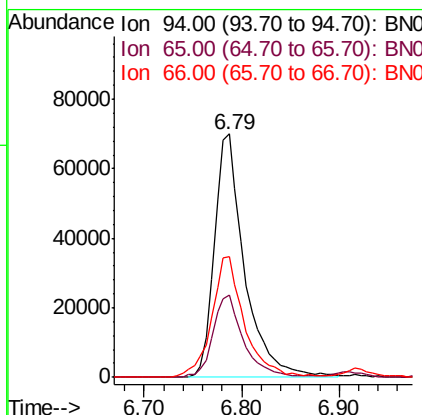
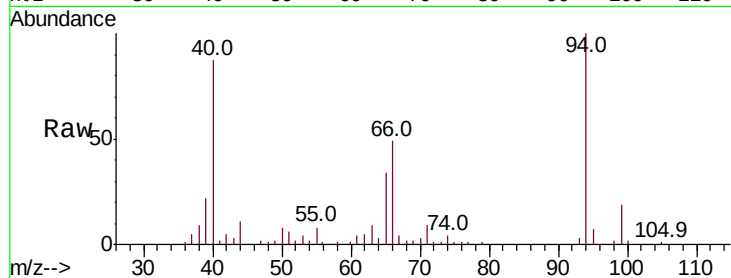
#6

Phenol

Concen: 29.140 ng/ul
 RT: 6.79 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: BN005888.D
 Acq: 23 May 2019 19:25

Instrument :
 BNA_N
 ClientSampled :

Tot Ion: 94 Resp: 150002
 Ion Ratio Lower Upper
 94 100
 65 33.6 24.2 36.4
 66 49.5 33.8 50.6

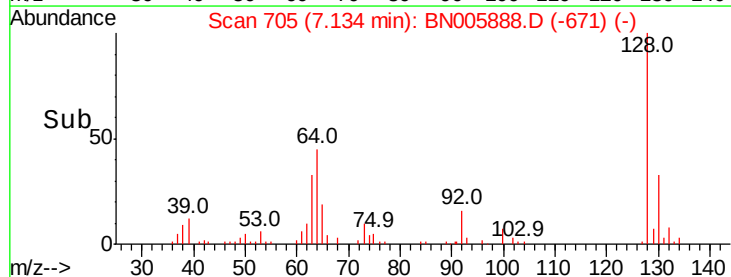
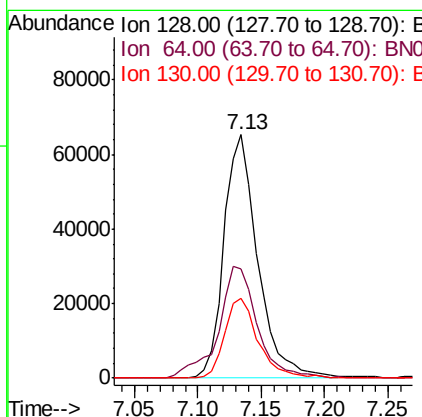
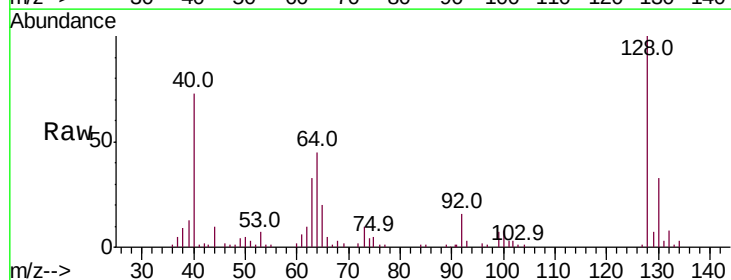


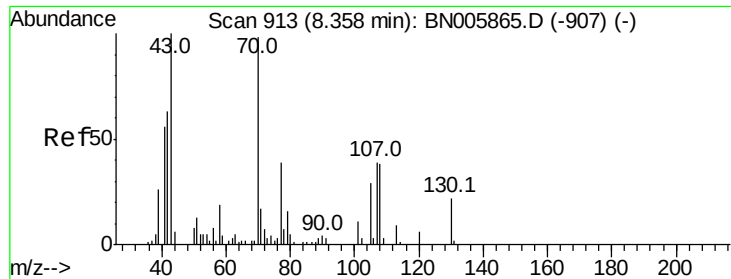
#10

2-Chlorophenol

Concen: 29.318 ng/ul
 RT: 7.13 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: BN005888.D
 Acq: 23 May 2019 19:25

Tgt Ion: 128 Resp: 120555
 Ion Ratio Lower Upper
 128 100
 64 45.1 42.3 63.5
 130 32.6 26.5 39.7





#15

N-Nitroso-di-n-propylamine

Concen: 29.319 ng/ul

RT: 8.36 min Scan# 913

Delta R.T. -0.01 min

Lab File: BN005888.D

Acq: 23 May 2019 19:25

Instrument :

BNA_N

ClientSampleId :

Tot Ion: 70 Resp: 97886

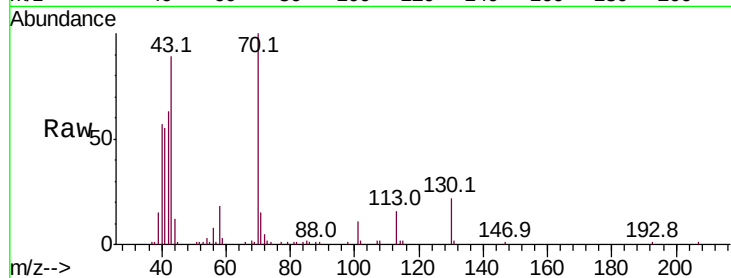
Ion Ratio Lower Upper

70 100

42 63.1 53.8 80.8

101 10.6 7.7 11.5

130 22.1 15.0 22.4

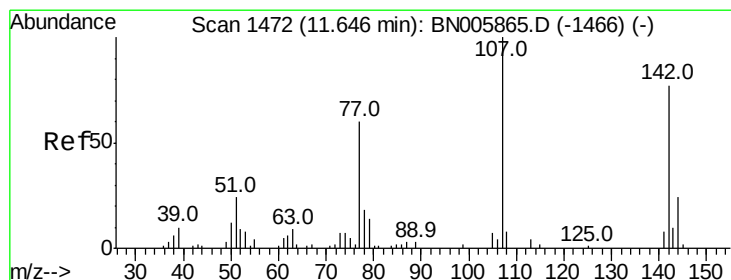
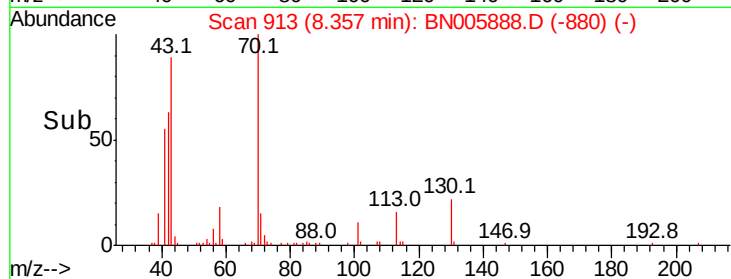
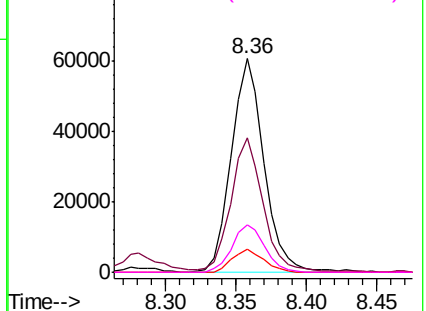


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#33

4-Chloro-3-methylphenol

Concen: 27.911 ng/ul

RT: 11.65 min Scan# 1472

Delta R.T. -0.00 min

Lab File: BN005888.D

Acq: 23 May 2019 19:25

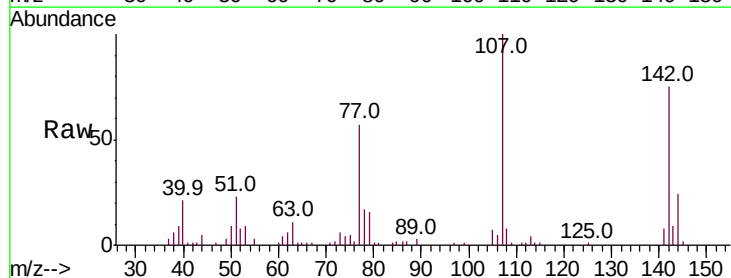
Tgt Ion:107 Resp: 138740

Ion Ratio Lower Upper

107 100

144 23.6 19.4 29.0

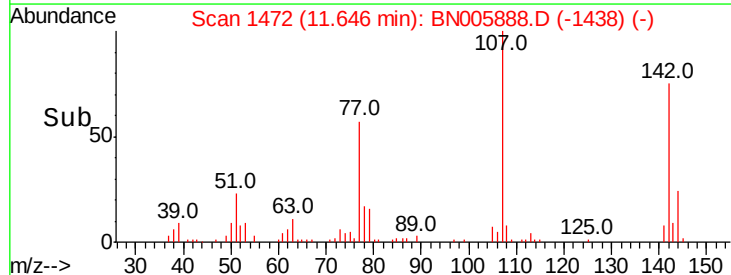
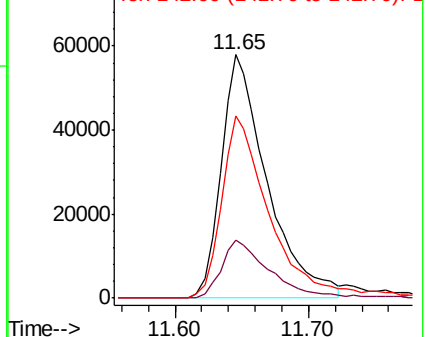
142 74.8 57.7 86.5

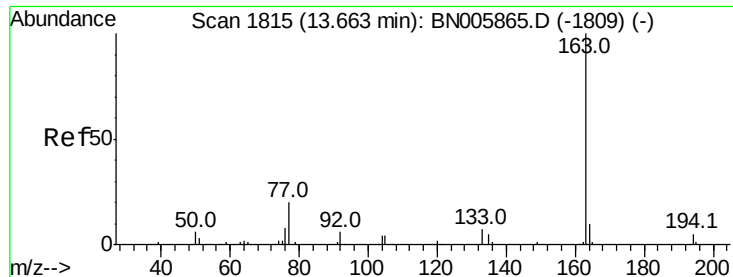


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#44

Dimethylphthalate

Concen: 9.241 ng/ul

RT: 13.67 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BN005888.D

Acq: 23 May 2019 19:25

Instrument :

BNA_N

ClientSampled :

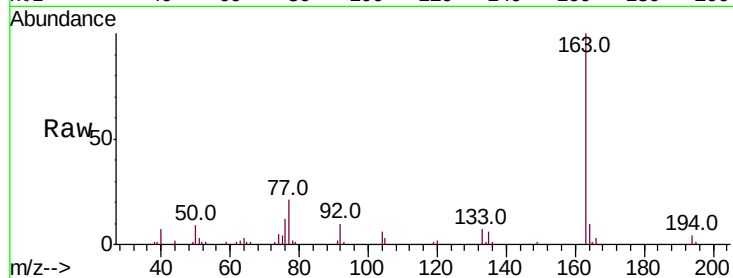
Tot Ion:163 Resp: 135580

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

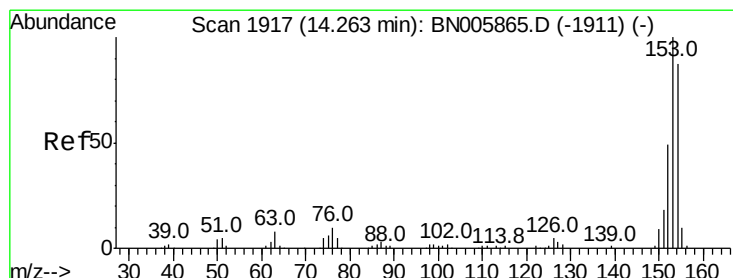
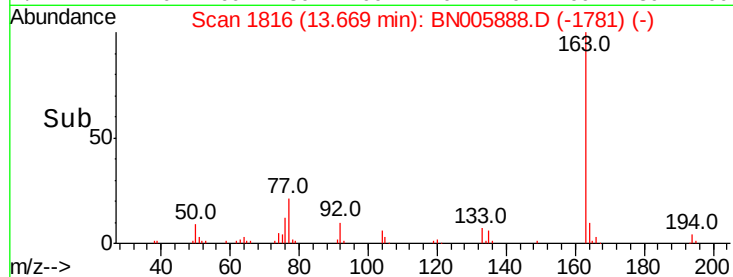
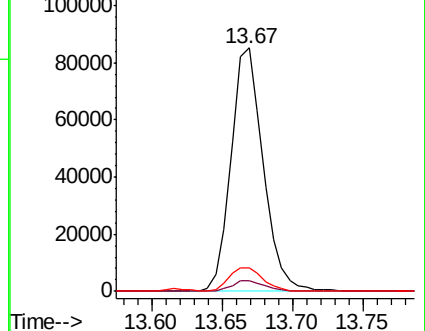
164 9.8 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 33.253 ng/ul

RT: 14.26 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BN005888.D

Acq: 23 May 2019 19:25

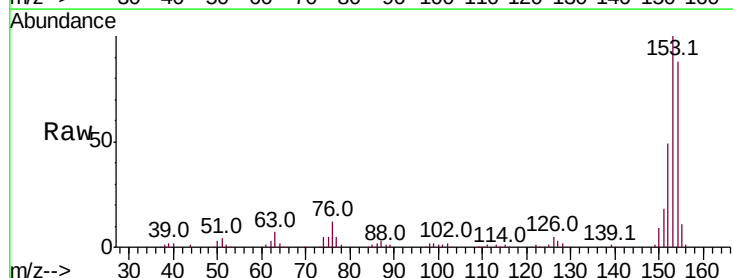
Tgt Ion:153 Resp: 392262

Ion Ratio Lower Upper

153 100

152 49.4 37.4 56.0

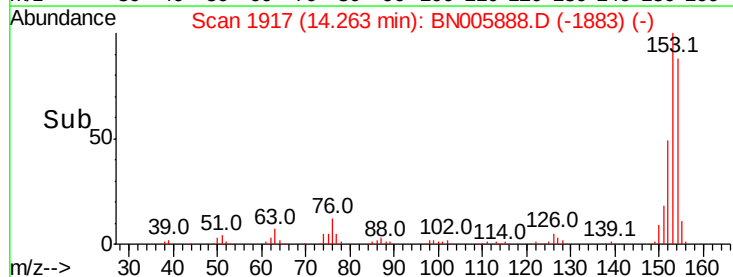
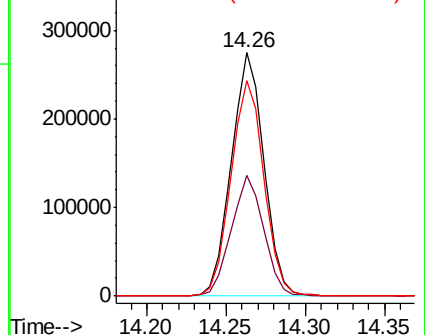
154 88.4 71.2 106.8

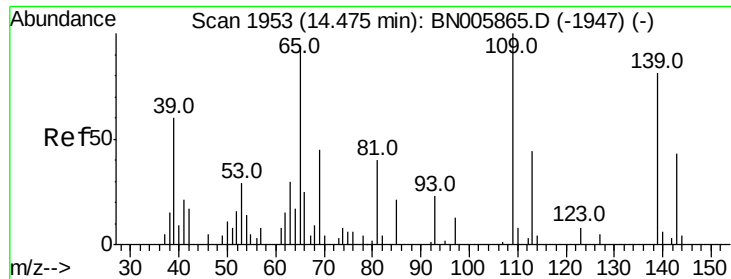


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 28.478 ng/ul

RT: 14.48 min Scan# 1954

Delta R.T. 0.01 min

Lab File: BN005888.D

Acq: 23 May 2019 19:25

Instrument :

BNA_N

ClientSampled :

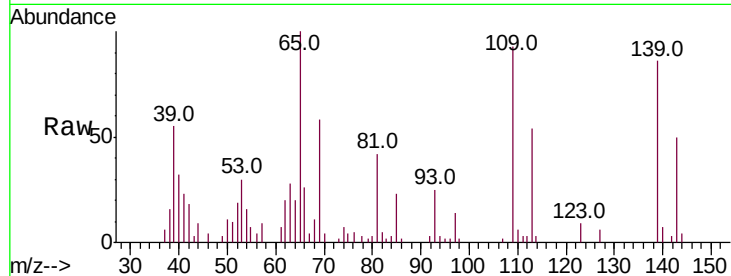
Tot Ion:109 Resp: 55752

Ion Ratio Lower Upper

109 100

139 93.1 92.3 138.5

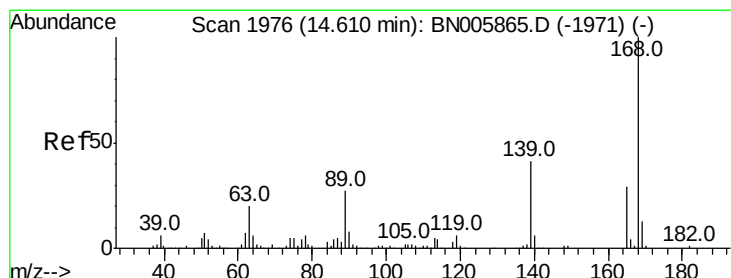
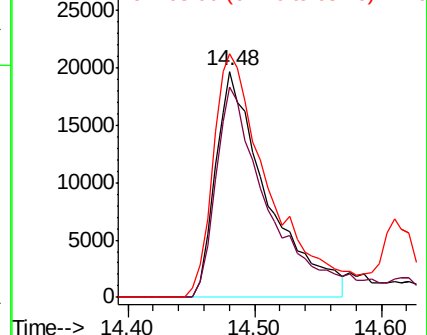
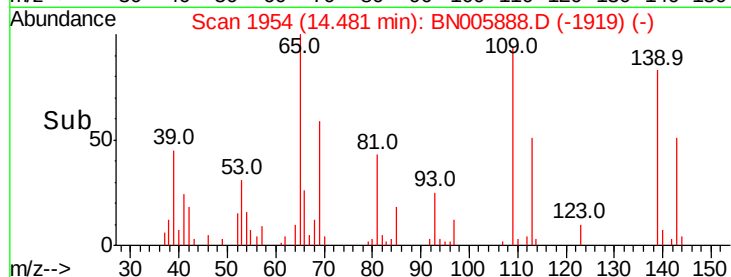
65 107.7 97.5 146.3



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): BNO



#54

2,4-Dinitrotoluene

Concen: 32.185 ng/ul

RT: 14.62 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BN005888.D

Acq: 23 May 2019 19:25

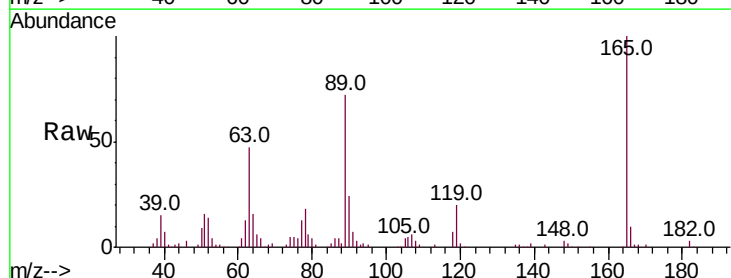
Tgt Ion:165 Resp: 149098

Ion Ratio Lower Upper

165 100

63 47.3 38.9 58.3

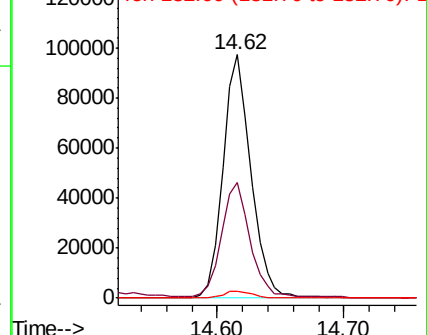
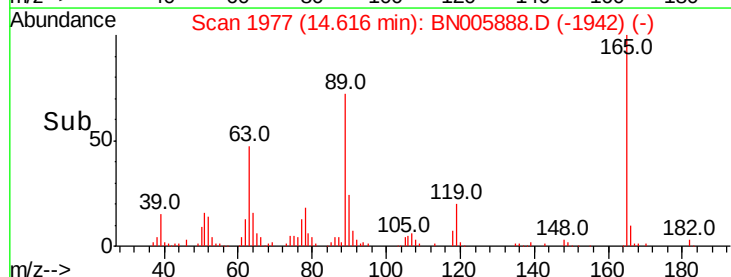
182 3.0 2.6 3.8

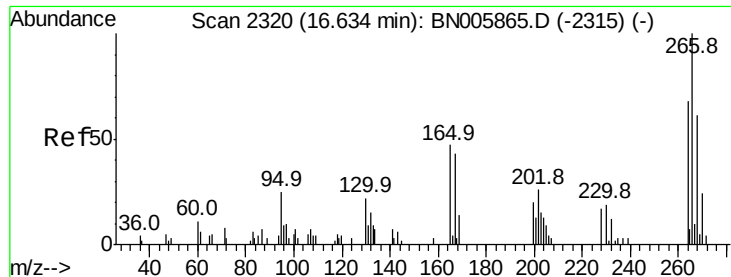


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNO

Ion 182.00 (181.70 to 182.70): E

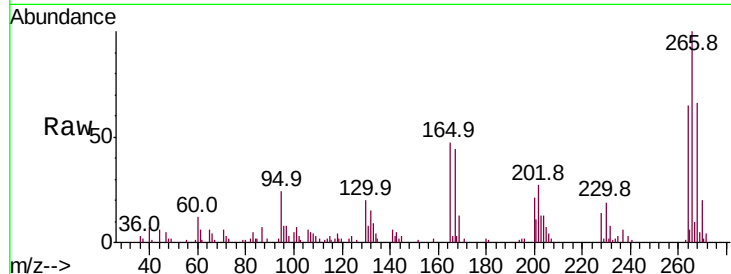




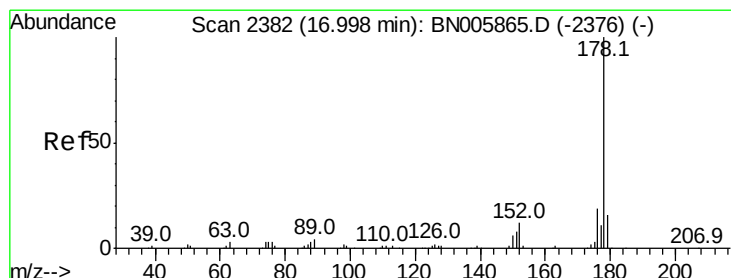
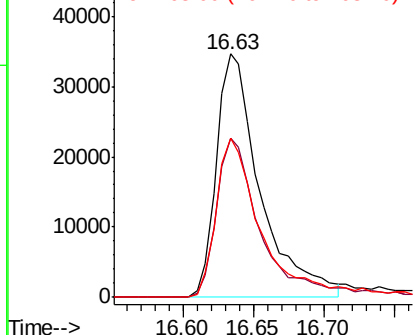
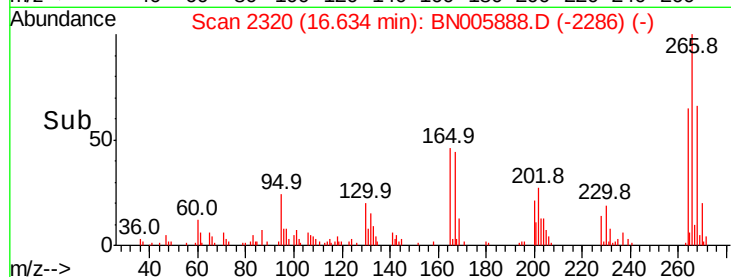
#68
 Pentachlorophenol
 Concen: 27.970 ng/ul
 RT: 16.63 min Scan# 2320
 Delta R.T. -0.00 min
 Lab File: BN005888.D
 Acq: 23 May 2019 19:25

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
266	100		
264	65.1	49.7	74.5
268	65.5	52.4	78.6

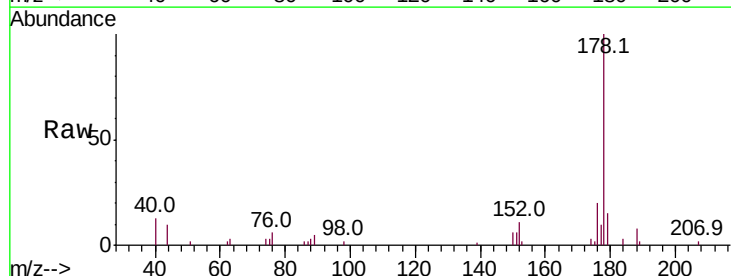


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

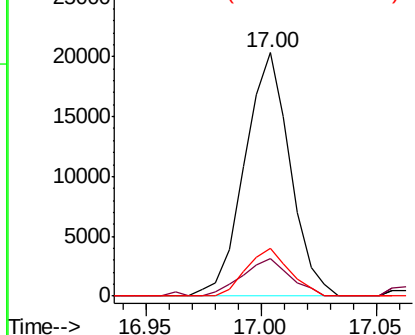
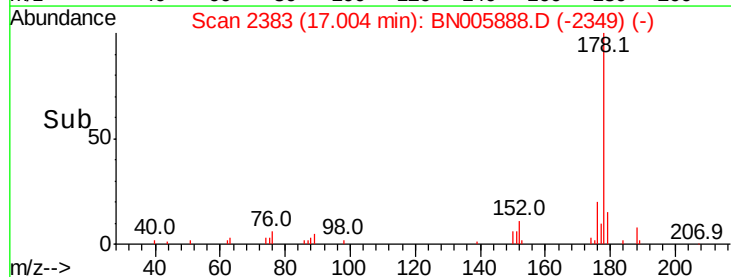


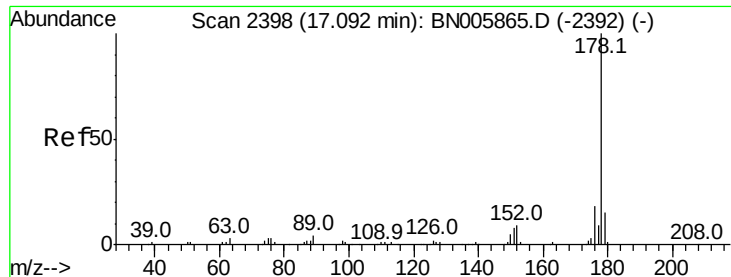
#69
 Phenanthrene
 Concen: 1.137 ng/ul
 RT: 17.00 min Scan# 2383
 Delta R.T. -0.00 min
 Lab File: BN005888.D
 Acq: 23 May 2019 19:25

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	19.8	15.1	22.7



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

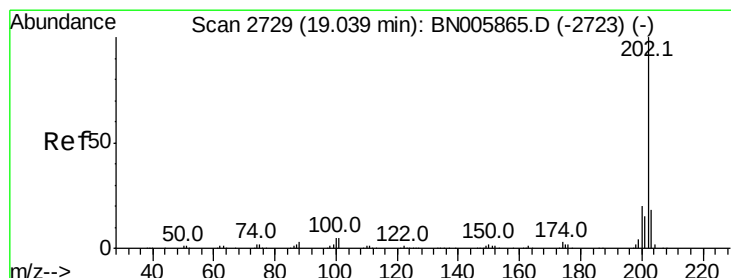
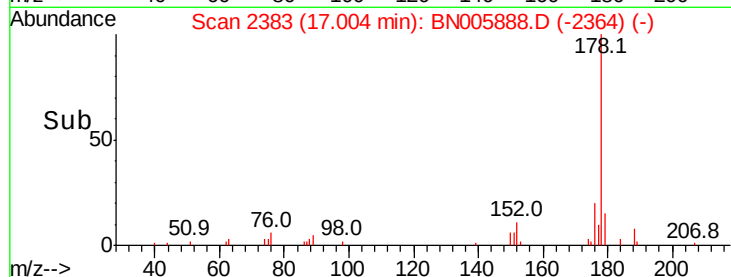
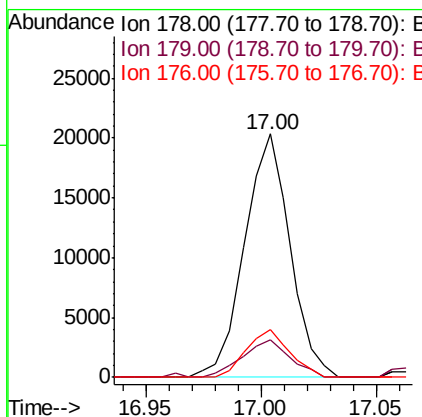
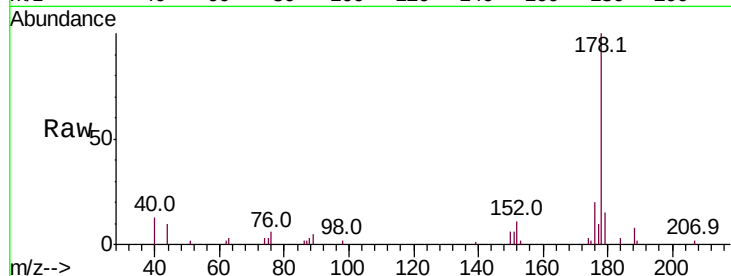




#71
 Anthracene
 Concen: 1.117 ng/ul
 RT: 17.00 min Scan# 2383
 Delta R.T. -0.09 min
 Lab File: BN005888.D
 Acq: 23 May 2019 19:25

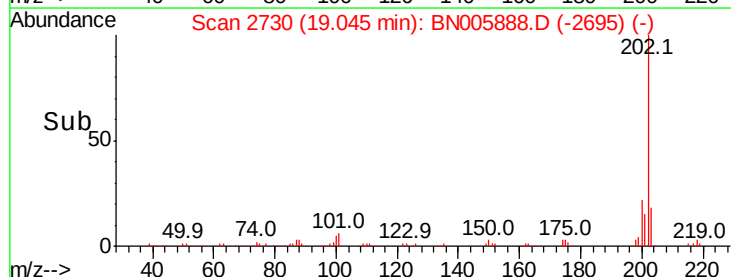
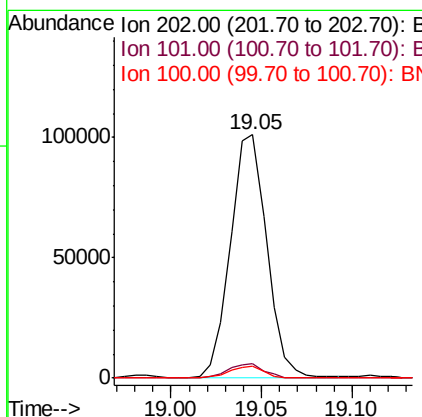
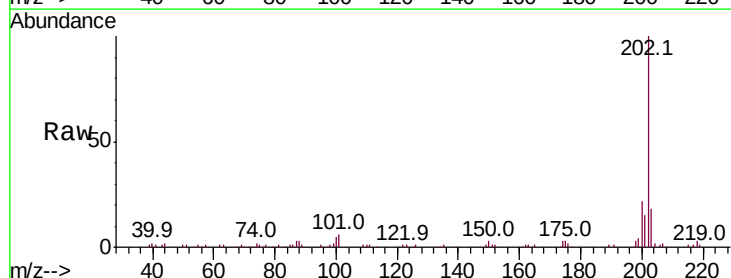
Instrument :
 BNA_N
 ClientSampled :

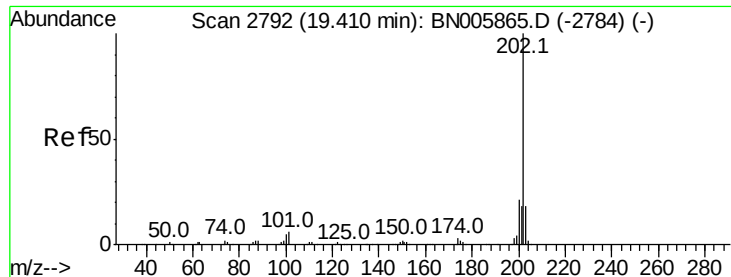
Tot Ion:178 Resp: 27872
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.3 18.5
 176 19.8 15.1 22.7



#76
 Fluoranthene
 Concen: 4.693 ng/ul
 RT: 19.05 min Scan# 2730
 Delta R.T. 0.01 min
 Lab File: BN005888.D
 Acq: 23 May 2019 19:25

Tgt Ion:202 Resp: 142192
 Ion Ratio Lower Upper
 202 100
 101 6.1 8.6 12.8#
 100 4.8 6.3 9.5#

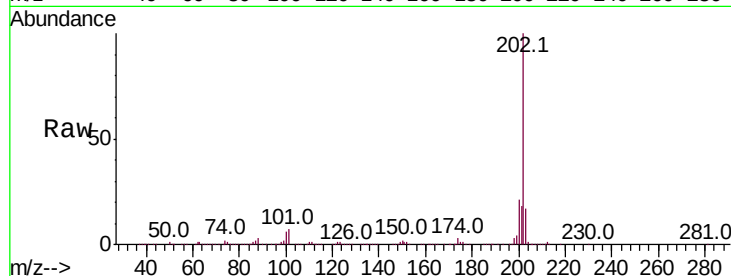




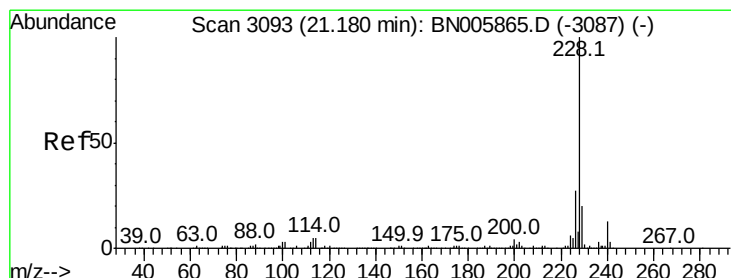
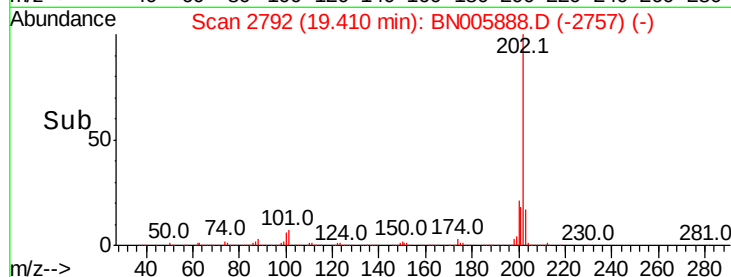
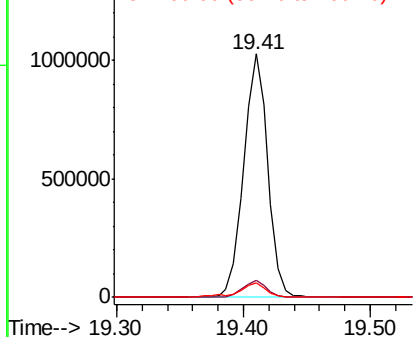
#79
Pvrene
Concen: 39.212 ng/ul
RT: 19.41 min Scan# 2792
Delta R.T. 0.01 min
Lab File: BN005888.D
Acq: 23 May 2019 19:25

Instrument :
BNA_N
ClientSampled :

Tot Ion:202 Resp: 1345190
Ion Ratio Lower Upper
202 100
101 6.9 10.3 15.5#
100 5.9 7.9 11.9#

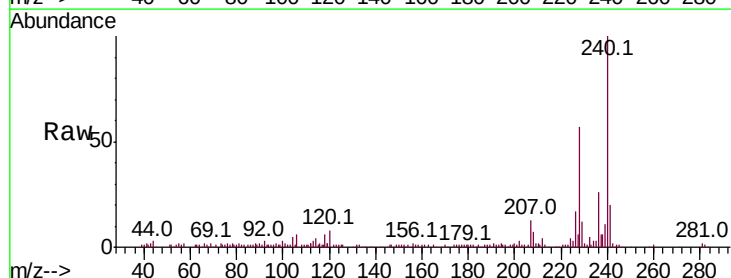


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

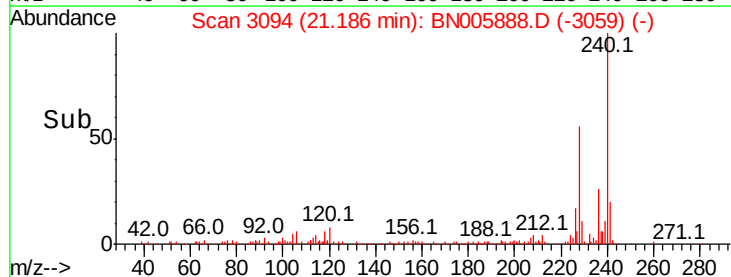
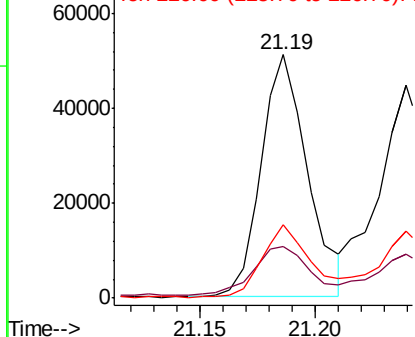


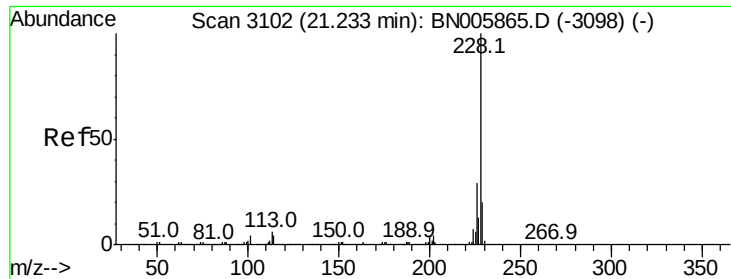
#82
Benzo(a)anthracene
Concen: 2.031 ng/ul
RT: 21.19 min Scan# 3094
Delta R.T. 0.01 min
Lab File: BN005888.D
Acq: 23 May 2019 19:25

Tgt Ion:228 Resp: 71474
Ion Ratio Lower Upper
228 100
229 21.4 15.8 23.6
226 29.9 21.4 32.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 2.019 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. 0.01 min

Lab File: BN005888.D

Acq: 23 May 2019 19:25

Instrument :

BNA_N

ClientSampleId :

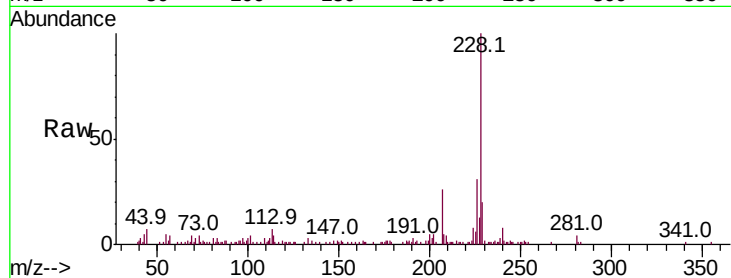
Tot Ion:228 Resp: 66986

Ion Ratio Lower Upper

228 100

226 31.4 24.0 36.0

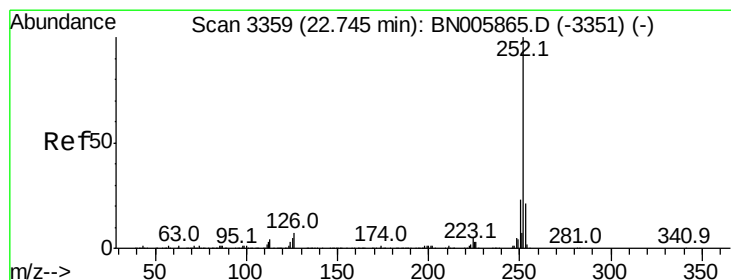
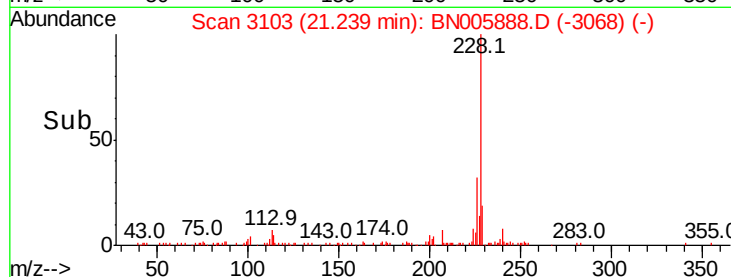
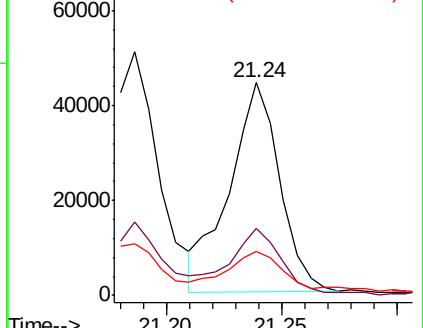
229 20.4 15.4 23.0



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: 2.457 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. 0.02 min

Lab File: BN005888.D

Acq: 23 May 2019 19:25

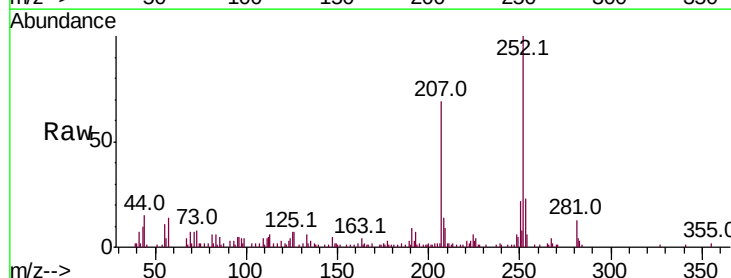
Tgt Ion:252 Resp: 72672

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

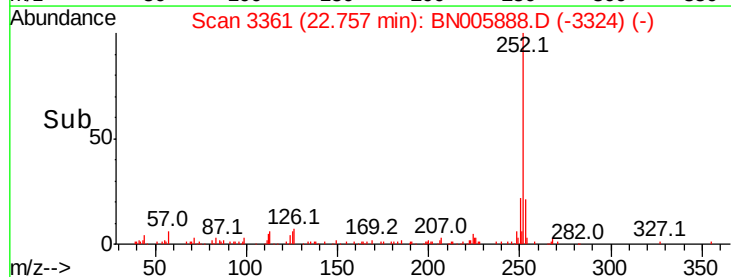
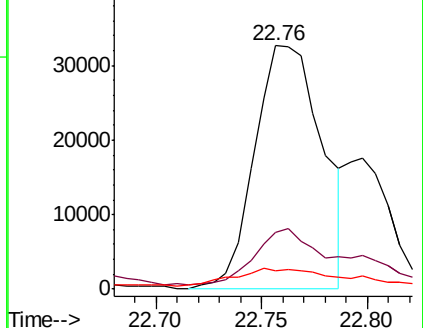
125 7.4 8.4 12.6#

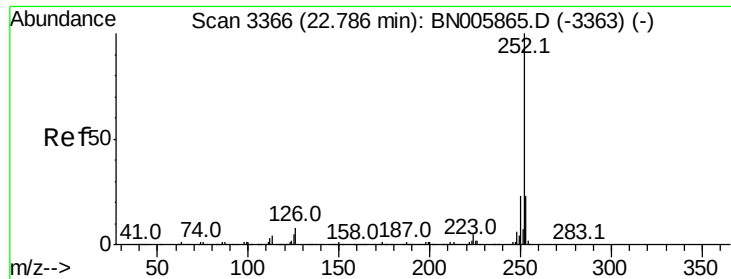


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

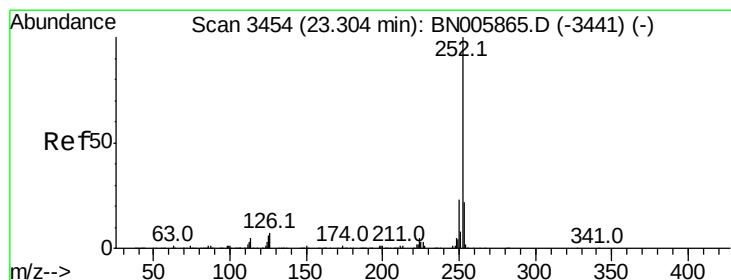
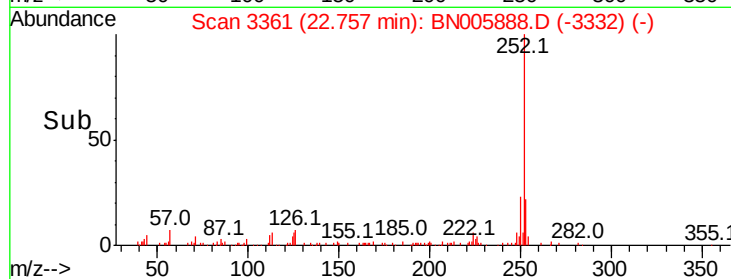
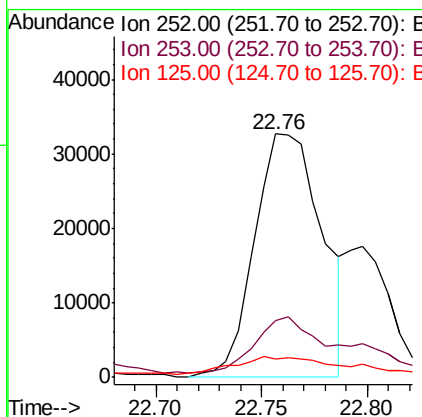
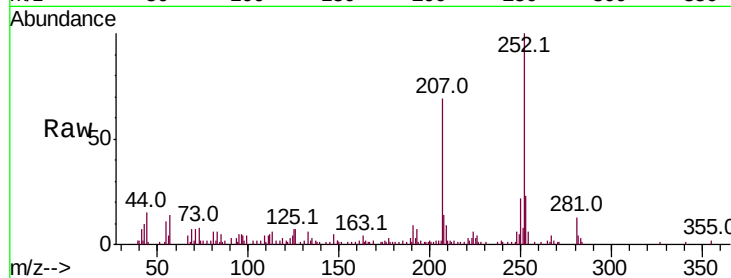




#88
 Benzo(k)fluoranthene
 Concen: 2.540 ng/ul
 RT: 22.76 min Scan# 3361
 Delta R.T. -0.03 min
 Lab File: BN005888.D
 Acq: 23 May 2019 19:25

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:252 Resp: 72672
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.4 26.0
 125 7.4 7.5 11.3#



#90
 Benzo(a)pyrene
 Concen: 1.613 ng/ul
 RT: 23.32 min Scan# 3456
 Delta R.T. 0.02 min
 Lab File: BN005888.D
 Acq: 23 May 2019 19:25

Tgt Ion:252 Resp: 46204
 Ion Ratio Lower Upper
 252 100
 253 21.4 17.3 25.9
 125 9.1 8.6 13.0

