

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052319\
 Data File : BN005887.D
 Acq On : 23 May 2019 18:50
 Operator : JU/SJ
 Sample : K2923-17MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 24 05:35:01 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	59304	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	260803	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	178743	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	449246	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	506821	20.00	ng/ul	0.00
85) Perylene-d12	23.40	264	493207	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	5264	4.97	ng/uL	0.00
5) Phenol-d5	6.76	99	118521	25.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	67969	28.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	103709	28.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	86161	21.98	ng/ul	0.00
19) Nitrobenzene-d5	8.71	128	54325	28.69	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	59669	27.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	111912	26.82	ng/ul	0.01
29) 4-Chloroaniline-d4	10.48	131	113562	24.51	ng/ul	0.00
43) Dimethylphthalate-d6	13.62	166	426363	31.00	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	504814	30.21	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	39281	20.27	ng/ul	0.01
57) Fluorene-d10	15.20	176	375985	31.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	19912	7.37	ng/ul	0.02
70) Anthracene-d10	17.06	188	632467	32.59	ng/ul	0.00
78) Pyrene-d10	19.38	212	852719	34.15	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	795578	35.96	ng/ul	0.01

Target Compounds

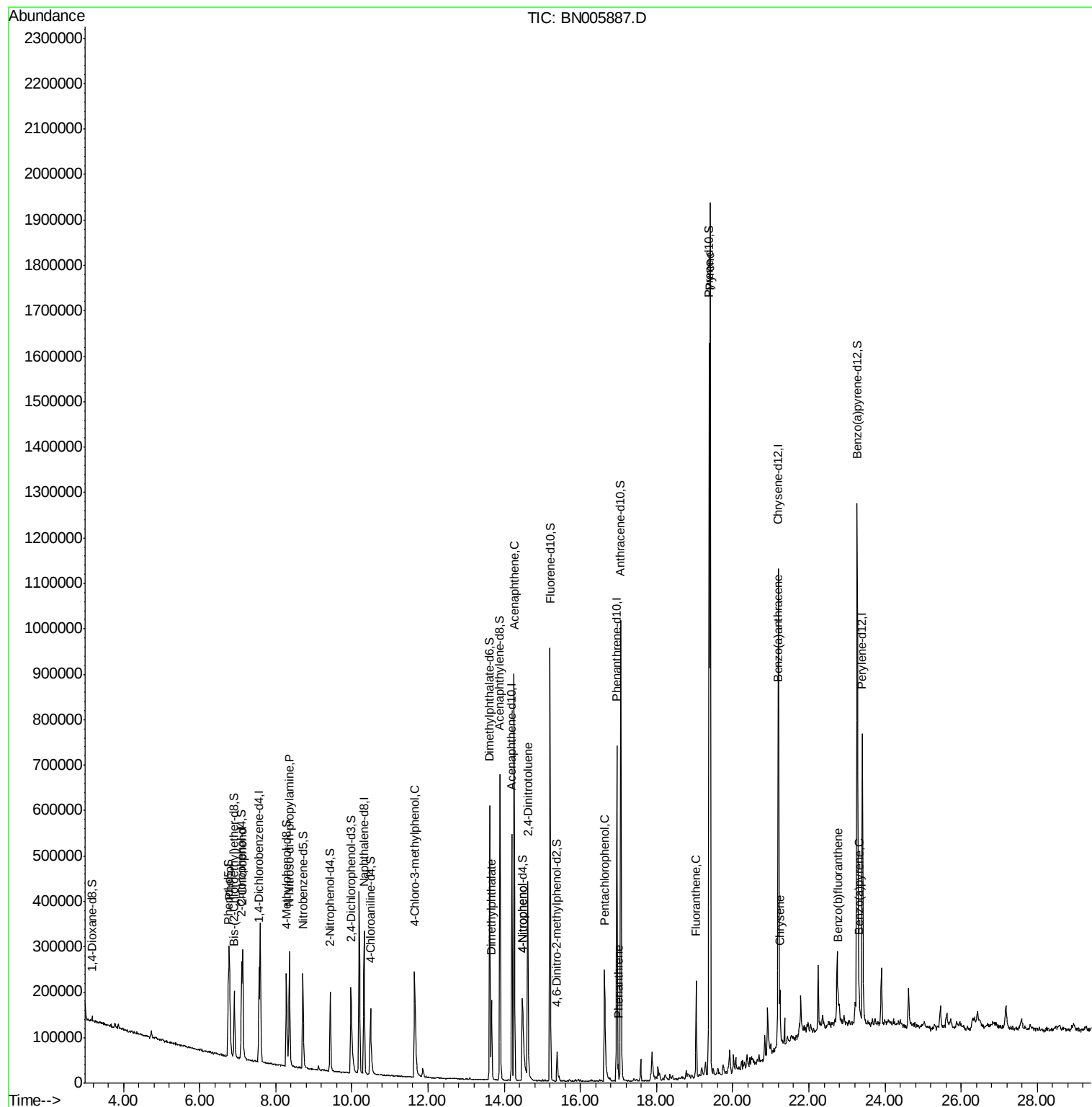
					Ovalue	
6) Phenol	6.78	94	135236	28.946	ng/ul	93
10) 2-Chlorophenol	7.13	128	106899	28.644	ng/ul	92
15) N-Nitroso-di-n-propylamine	8.36	70	86948	28.695	ng/ul#	91
33) 4-Chloro-3-methylphenol	11.65	107	125970	27.744	ng/ul	98
44) Dimethylphthalate	13.67	163	123283	9.092	ng/ul	99
49) Acenaphthene	14.26	153	349300	32.038	ng/ul	98
52) 4-Nitrophenol	14.48	109	49561	27.390	ng/ul	83
54) 2,4-Dinitrotoluene	14.62	165	130991	30.593	ng/ul	95
68) Pentachlorophenol	16.64	266	67449	27.701	ng/ul	97
69) Phenanthrene	17.00	178	24637	1.106	ng/ul	97
76) Fluoranthene	19.04	202	129408	4.700	ng/ul#	87
79) Pyrene	19.41	202	1216553	39.088	ng/ul#	87
82) Benzo(a)anthracene	21.19	228	63308	1.983	ng/ul	99
84) Chrysene	21.24	228	62113	2.064	ng/ul	95
87) Benzo(b)fluoranthene	22.76	252	64318	2.370	ng/ul#	97
90) Benzo(a)pyrene	23.32	252	40167	1.529	ng/ul	98

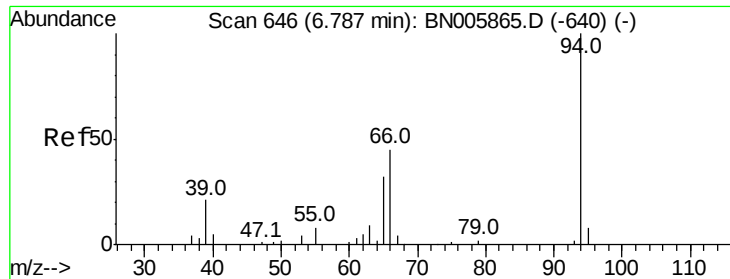
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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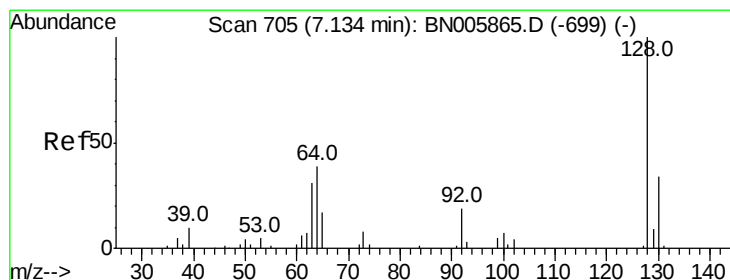
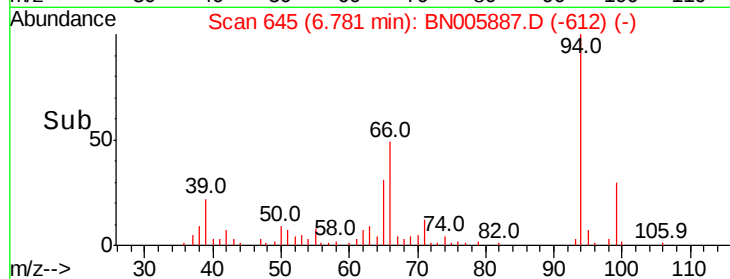
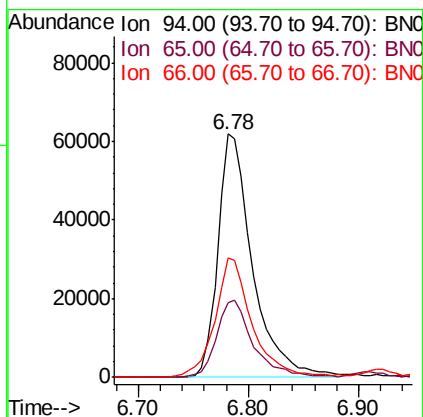
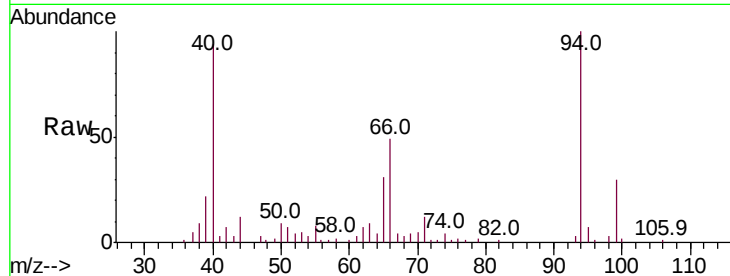
#6

Phenol

Concen: 28.946 ng/ul
 RT: 6.78 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BN005887.D
 Acq: 23 May 2019 18:50

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	94	Resp	135236
Ion	Ratio	Lower	Upper
94	100		
65	30.9	24.2	36.4
66	48.8	33.8	50.6

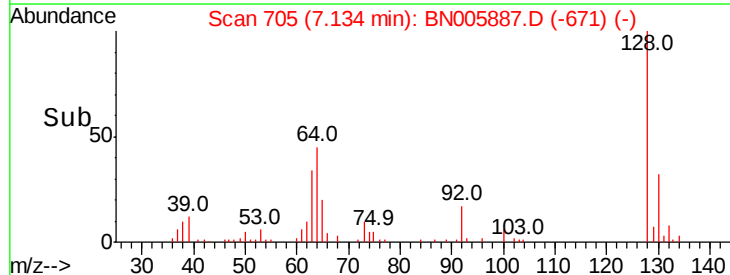
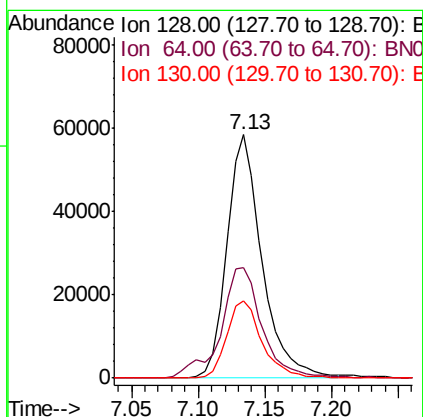
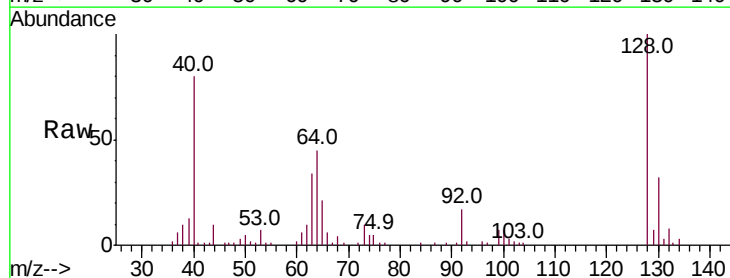


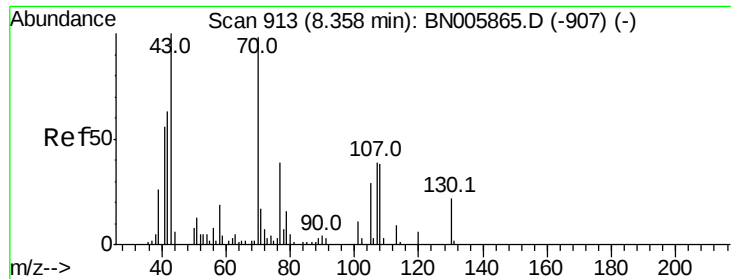
#10

2-Chlorophenol

Concen: 28.644 ng/ul
 RT: 7.13 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: BN005887.D
 Acq: 23 May 2019 18:50

Tgt Ion	128	Resp	106899
Ion	Ratio	Lower	Upper
128	100		
64	45.5	42.3	63.5
130	31.5	26.5	39.7





#15

N-Nitroso-di-n-propylamine

Concen: 28.695 ng/ul

RT: 8.36 min Scan# 913

Delta R.T. -0.01 min

Lab File: BN005887.D

Acq: 23 May 2019 18:50

Instrument :

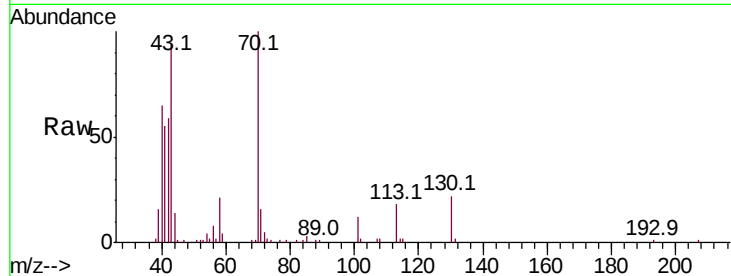
BNA_N

ClientSampleId :

Tot Ion: 70 Resp: 86948

Ion Ratio Lower Upper

70	100		
42	58.9	53.8	80.8
101	11.8	7.7	11.5#
130	21.8	15.0	22.4



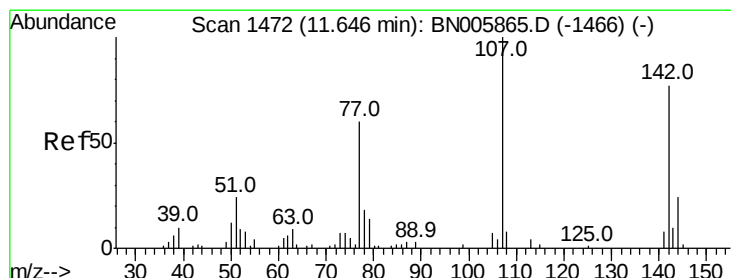
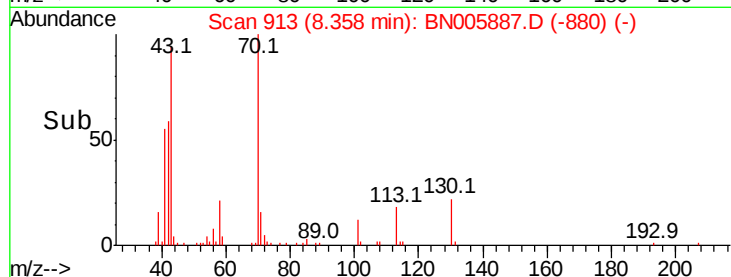
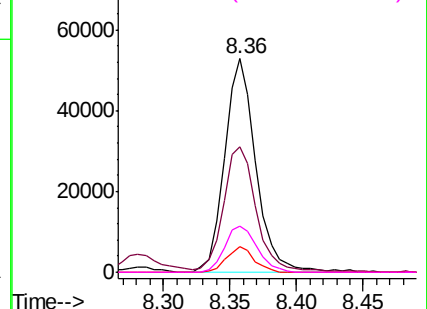
Abundance

Ion 70.00 (69.70 to 70.70): BN005865.D (-907) (-)

Ion 42.00 (41.70 to 42.70): BN005865.D (-907) (-)

Ion 101.00 (100.70 to 101.70): BN005865.D (-907) (-)

Ion 130.00 (129.70 to 130.70): BN005865.D (-907) (-)



#33

4-Chloro-3-methylphenol

Concen: 27.744 ng/ul

RT: 11.65 min Scan# 1472

Delta R.T. -0.00 min

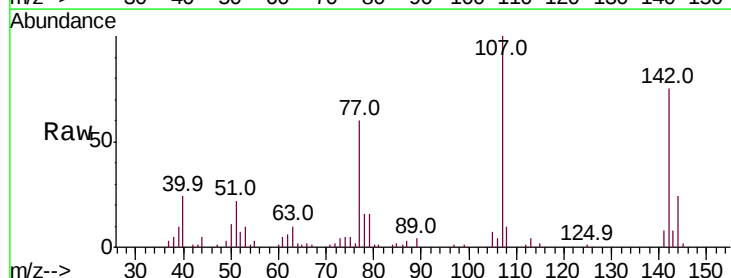
Lab File: BN005887.D

Acq: 23 May 2019 18:50

Tgt Ion: 107 Resp: 125970

Ion Ratio Lower Upper

107	100		
144	24.4	19.4	29.0
142	74.7	57.7	86.5

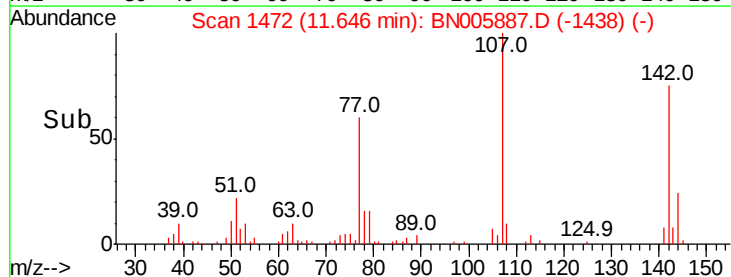
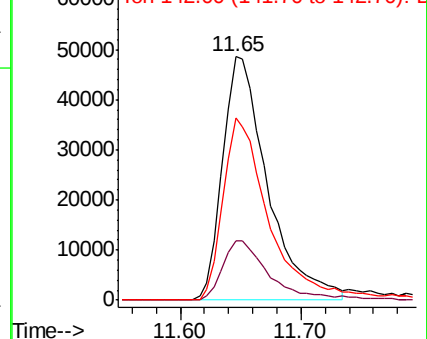


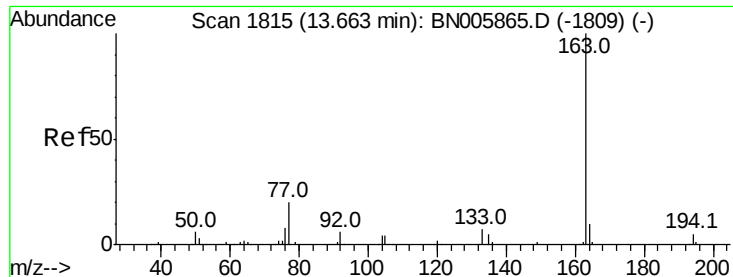
Abundance

Ion 107.00 (106.70 to 107.70): BN005865.D (-1466) (-)

Ion 144.00 (143.70 to 144.70): BN005865.D (-1466) (-)

Ion 142.00 (141.70 to 142.70): BN005865.D (-1466) (-)





#44

Dimethylphthalate

Concen: 9.092 ng/ul

RT: 13.67 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BN005887.D

Acq: 23 May 2019 18:50

Instrument :

BNA_N

ClientSampleId :

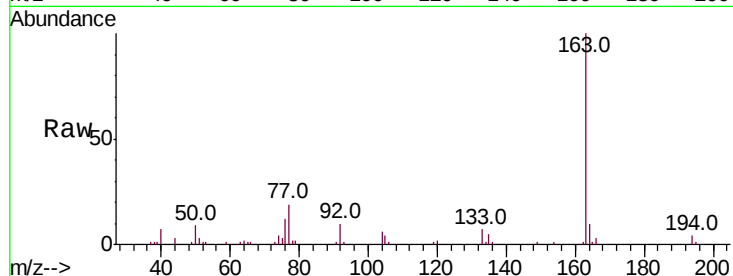
Tot Ion:163 Resp: 123283

Ion Ratio Lower Upper

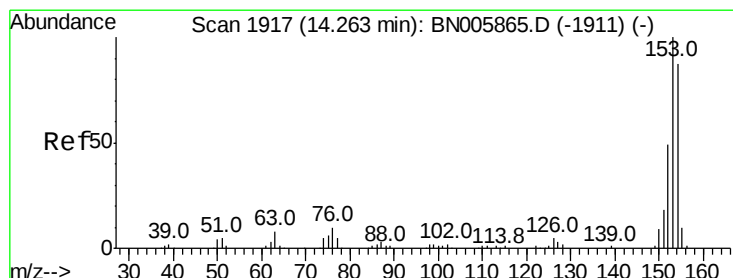
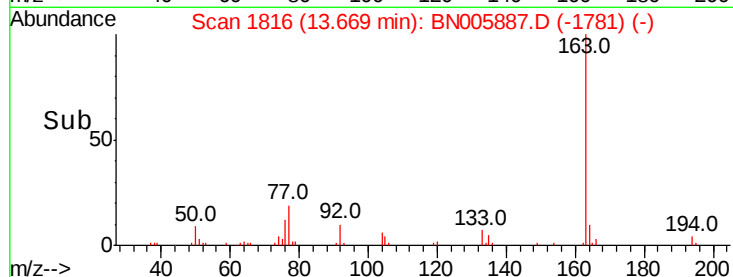
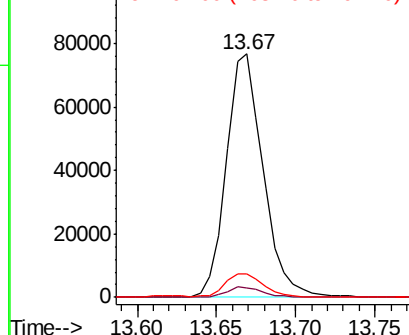
163 100

194 4.1 3.4 5.0

164 9.9 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: 32.038 ng/ul

RT: 14.26 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BN005887.D

Acq: 23 May 2019 18:50

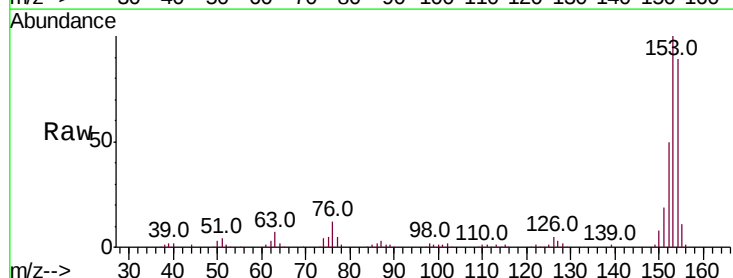
Tgt Ion:153 Resp: 349300

Ion Ratio Lower Upper

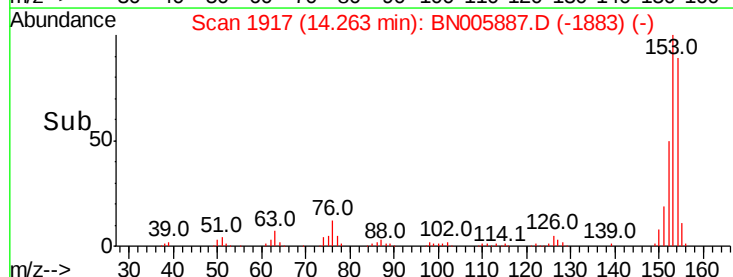
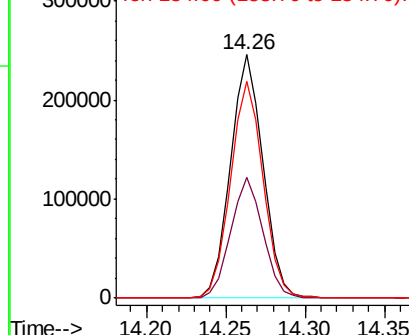
153 100

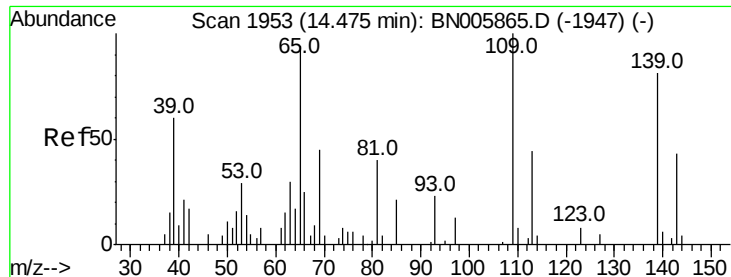
152 49.7 37.4 56.0

154 88.9 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: 27.390 ng/ul

RT: 14.48 min Scan# 1954

Delta R.T. 0.01 min

Lab File: BN005887.D

Acq: 23 May 2019 18:50

Instrument :

BNA_N

ClientSampleId :

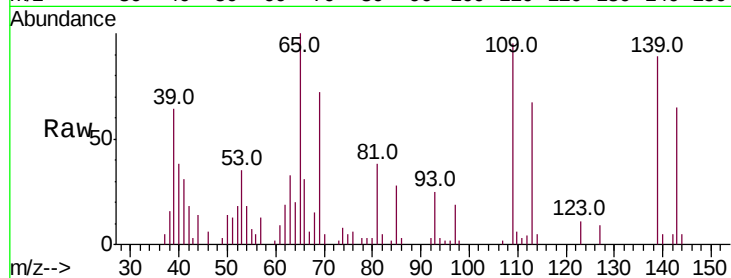
Tot Ion:109 Resp: 49561

Ion Ratio Lower Upper

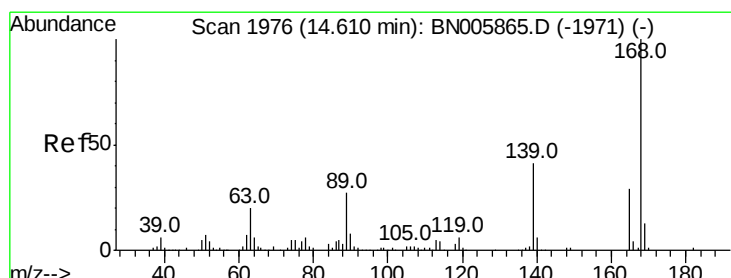
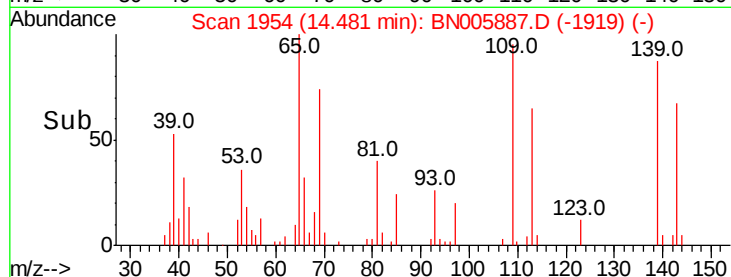
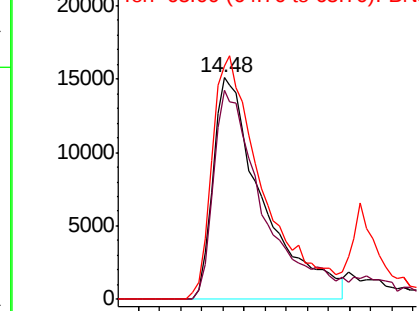
109 100

139 94.4 92.3 138.5

65 105.5 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): BNC



#54

2,4-Dinitrotoluene

Concen: 30.593 ng/ul

RT: 14.62 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BN005887.D

Acq: 23 May 2019 18:50

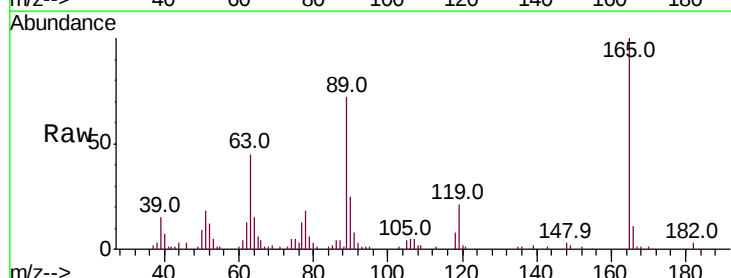
Tgt Ion:165 Resp: 130991

Ion Ratio Lower Upper

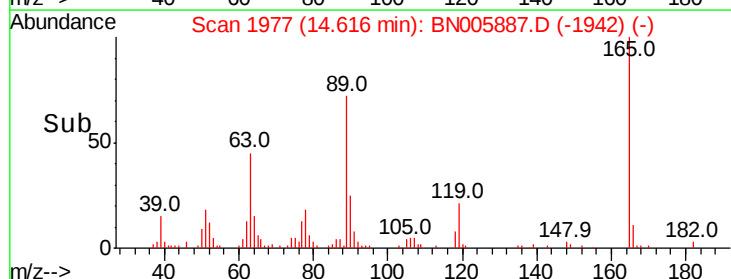
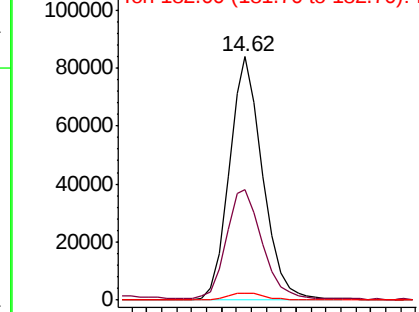
165 100

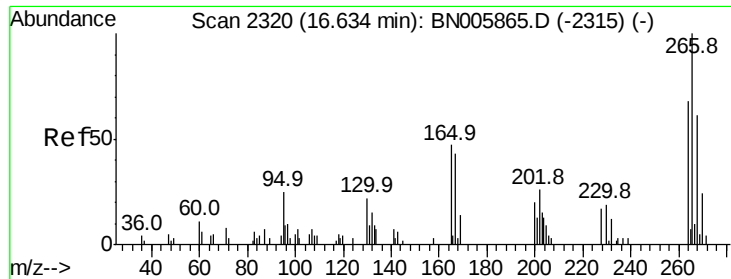
63 45.2 38.9 58.3

182 2.6 2.6 3.8



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNC
Ion 182.00 (181.70 to 182.70): E

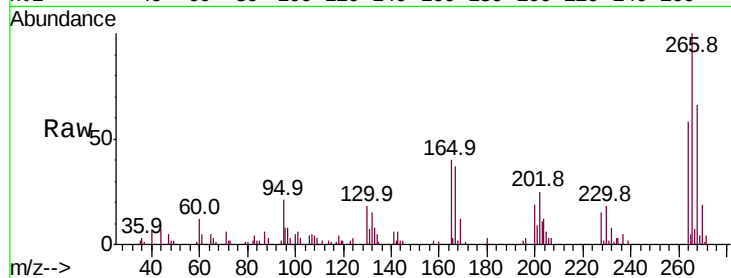




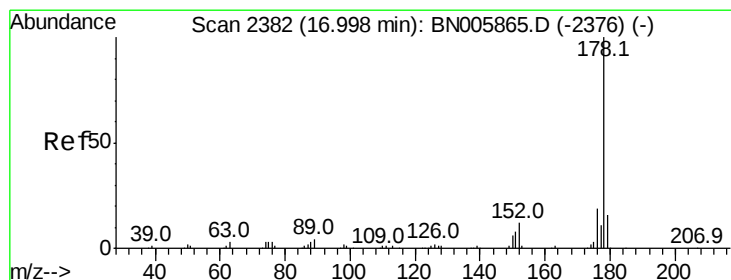
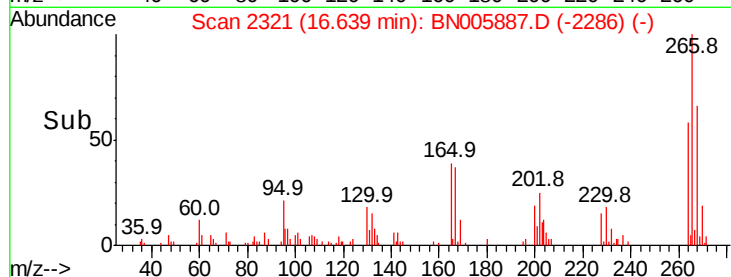
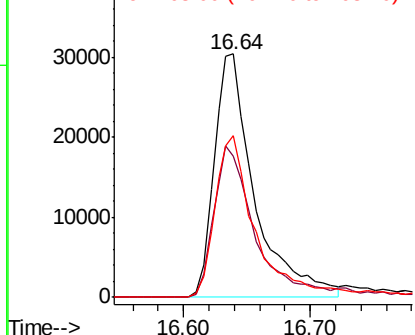
#68
 Pentachlorophenol
 Concen: 27.701 ng/ul
 RT: 16.64 min Scan# 2321
 Delta R.T. 0.01 min
 Lab File: BN005887.D
 Acq: 23 May 2019 18:50

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:266 Resp: 67449
 Ion Ratio Lower Upper
 266 100
 264 57.8 49.7 74.5
 268 66.3 52.4 78.6

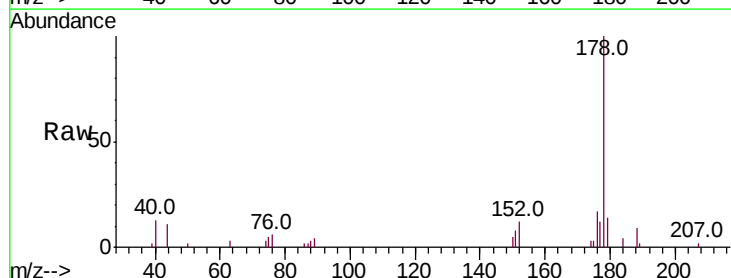


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

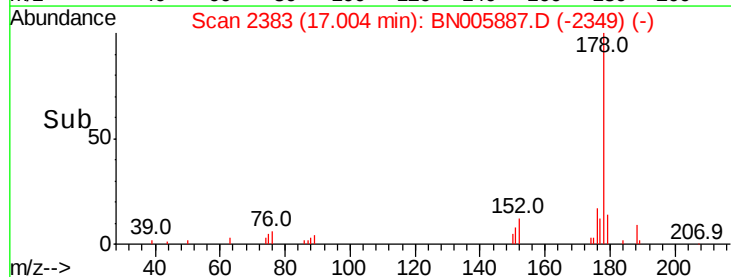
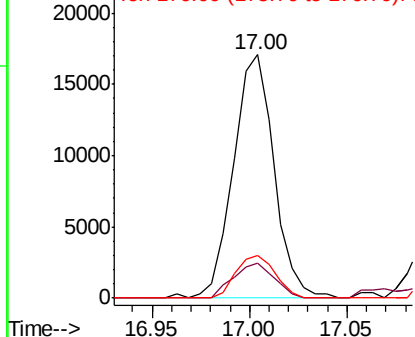


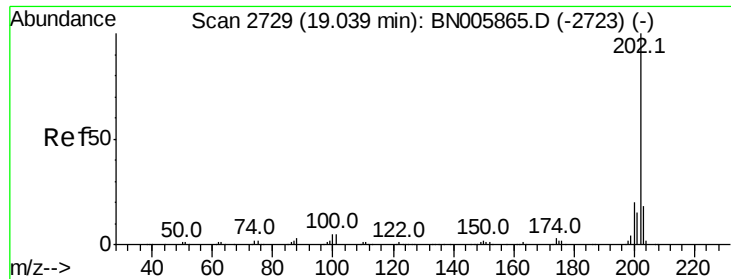
#69
 Phenanthrene
 Concen: 1.106 ng/ul
 RT: 17.00 min Scan# 2383
 Delta R.T. -0.00 min
 Lab File: BN005887.D
 Acq: 23 May 2019 18:50

Tgt Ion:178 Resp: 24637
 Ion Ratio Lower Upper
 178 100
 179 14.2 12.2 18.4
 176 17.3 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

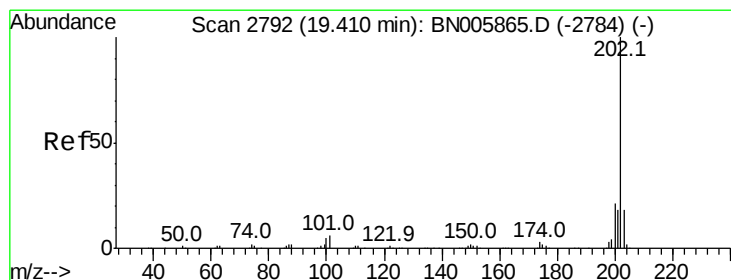
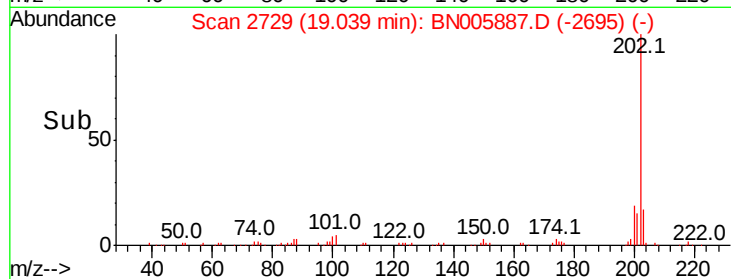
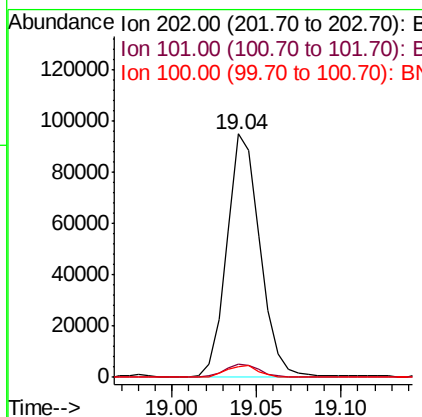
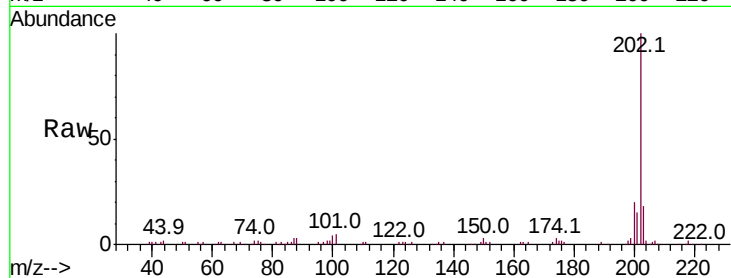




#76
Fluoranthene
Concen: 4.700 ng/ul
RT: 19.04 min Scan# 2729
Delta R.T. -0.00 min
Lab File: BN005887.D
Acq: 23 May 2019 18:50

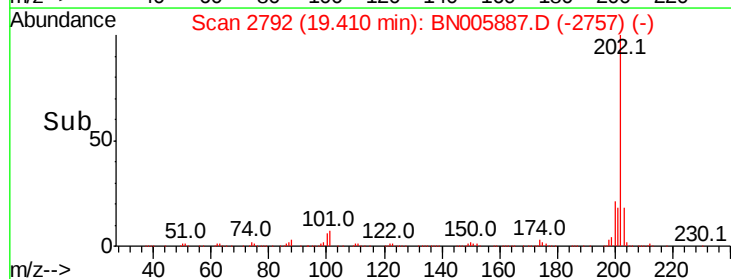
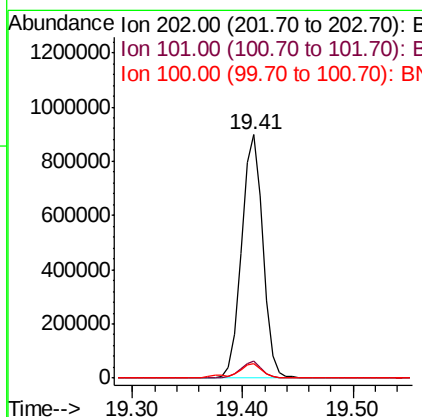
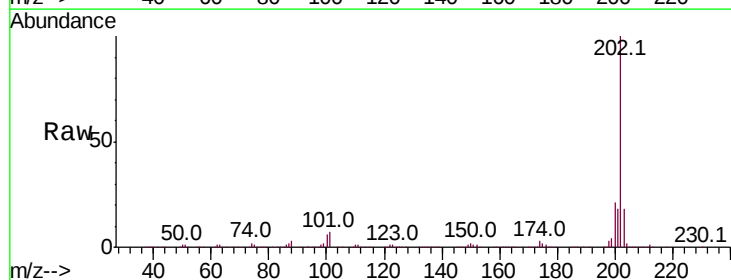
Instrument :
BNA_N
ClientSampleId :

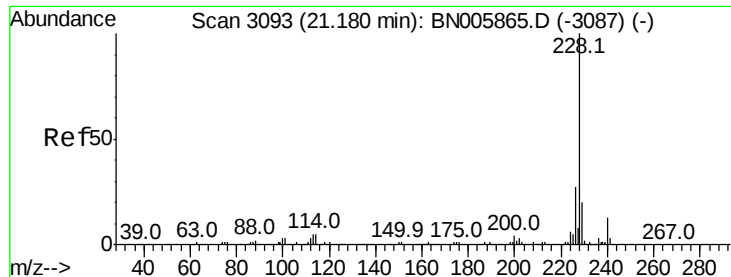
Tot Ion:202 Resp: 129408
Ion Ratio Lower Upper
202 100
101 5.3 8.6 12.8#
100 4.4 6.3 9.5#



#79
Pyrene
Concen: 39.088 ng/ul
RT: 19.41 min Scan# 2792
Delta R.T. 0.01 min
Lab File: BN005887.D
Acq: 23 May 2019 18:50

Tgt Ion:202 Resp: 1216553
Ion Ratio Lower Upper
202 100
101 7.2 10.3 15.5#
100 5.9 7.9 11.9#

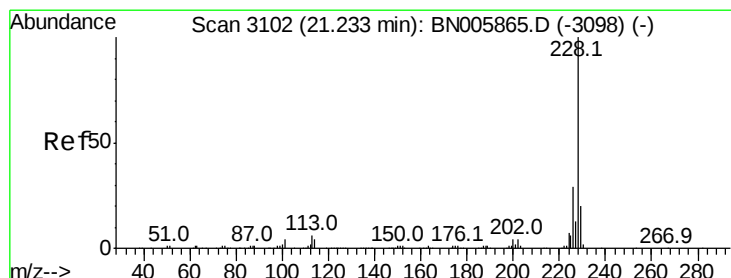
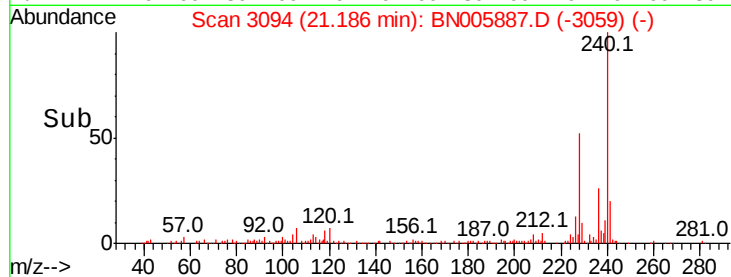
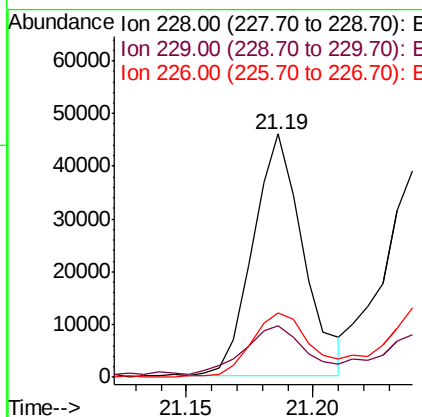
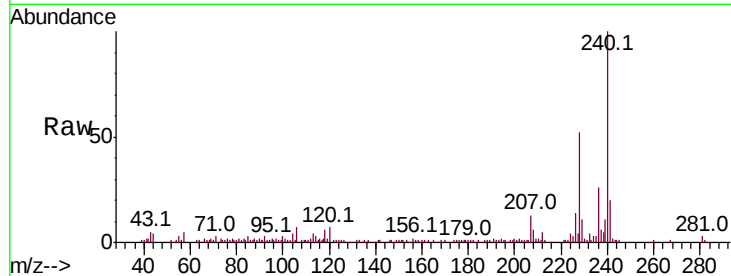




#82
Benzo(a)anthracene
Concen: 1.983 ng/ul
RT: 21.19 min Scan# 3094
Delta R.T. 0.01 min
Lab File: BN005887.D
Acq: 23 May 2019 18:50

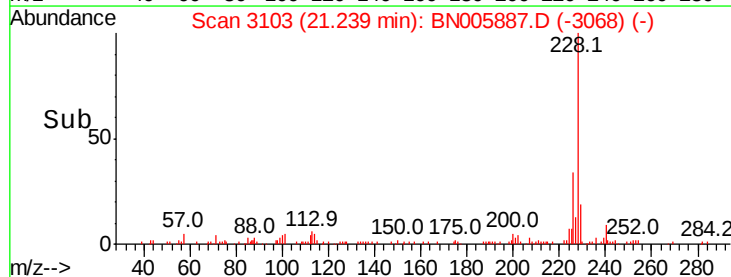
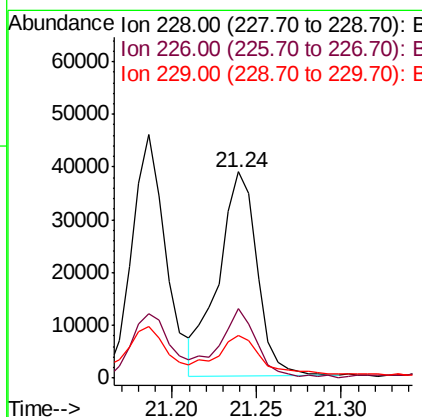
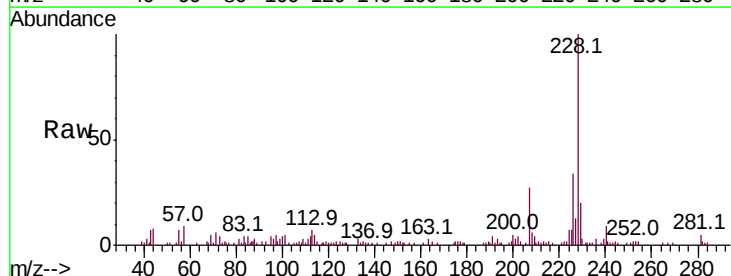
Instrument :
BNA_N
ClientSampleId :

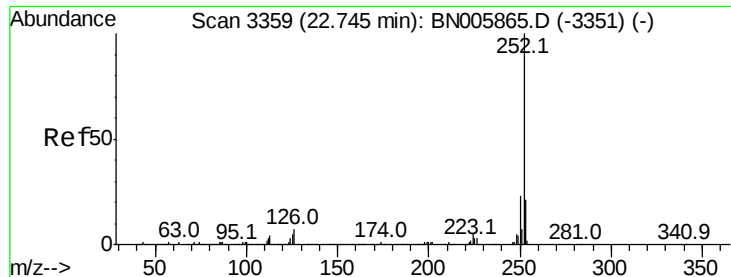
Tot Ion:228 Resp: 63308
Ion Ratio Lower Upper
228 100
229 20.9 15.8 23.6
226 26.7 21.4 32.2



#84
Chrysene
Concen: 2.064 ng/ul
RT: 21.24 min Scan# 3103
Delta R.T. 0.01 min
Lab File: BN005887.D
Acq: 23 May 2019 18:50

Tgt Ion:228 Resp: 62113
Ion Ratio Lower Upper
228 100
226 33.7 24.0 36.0
229 20.4 15.4 23.0

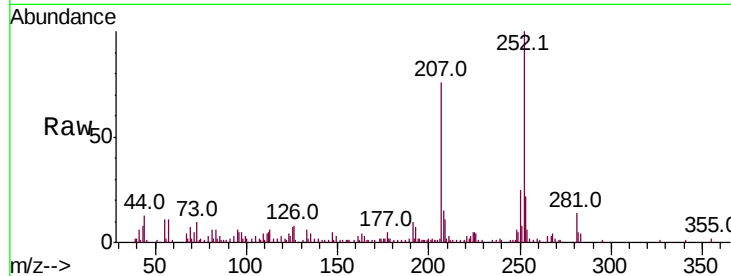




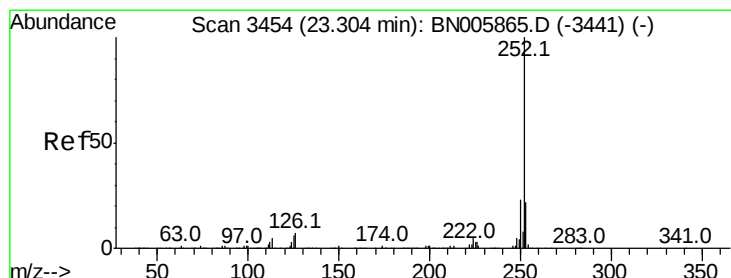
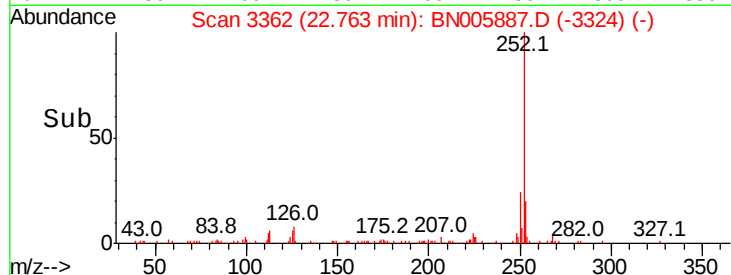
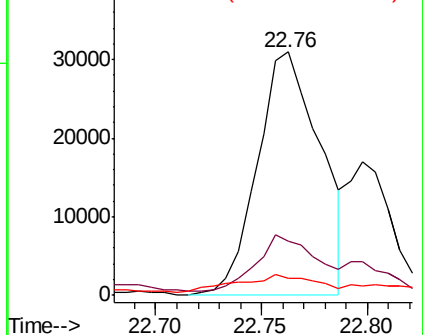
#87
Benzo(b)fluoranthene
Concen: 2.370 ng/ul
RT: 22.76 min Scan# 3362
Delta R.T. 0.02 min
Lab File: BN005887.D
Acq: 23 May 2019 18:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 64318
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 7.0 8.4 12.6#

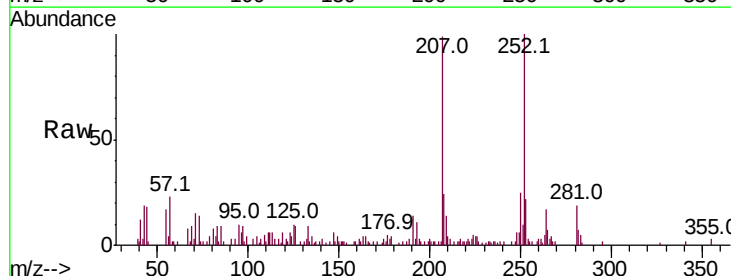


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 1.529 ng/ul
RT: 23.32 min Scan# 3456
Delta R.T. 0.02 min
Lab File: BN005887.D
Acq: 23 May 2019 18:50

Tgt Ion:252 Resp: 40167
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 9.8 8.6 13.0



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

