

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030719\
 Data File : BN004654.D
 Acq On : 08 Mar 2019 01:20
 Operator : JU/SJ
 Sample : K1657-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 08 03:04:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 08 00:36:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	38714	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	183915	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.36	164	114436	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.11	188	269869	20.00	ng/ul	0.00
78) Chrysene-d12	21.31	240	314375	20.00	ng/ul	0.00
86) Perylene-d12	23.57	264	287789	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	3961	5.77	ng/uL	0.00
5) Phenol-d5	6.88	99	49692	15.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	29282	17.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	47542	17.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	43083	15.48	ng/ul	0.00
19) Nitrobenzene-d5	8.88	128	25023	17.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	29015	18.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	50052	16.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	25467	7.00	ng/ul	0.00
44) Dimethylphthalate-d6	13.77	166	180723	18.26	ng/ul	0.00
47) Acenaphthylene-d8	14.06	160	205618	17.26	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	23059	12.56	ng/ul	0.00
58) Fluorene-d10	15.36	176	149438	17.77	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.48	200	28738	15.43	ng/ul	0.00
71) Anthracene-d10	17.21	188	231318	17.60	ng/ul	0.00
79) Pyrene-d10	19.51	212	262360	17.08	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.42	264	243394	15.75	ng/ul	0.00

Target Compounds

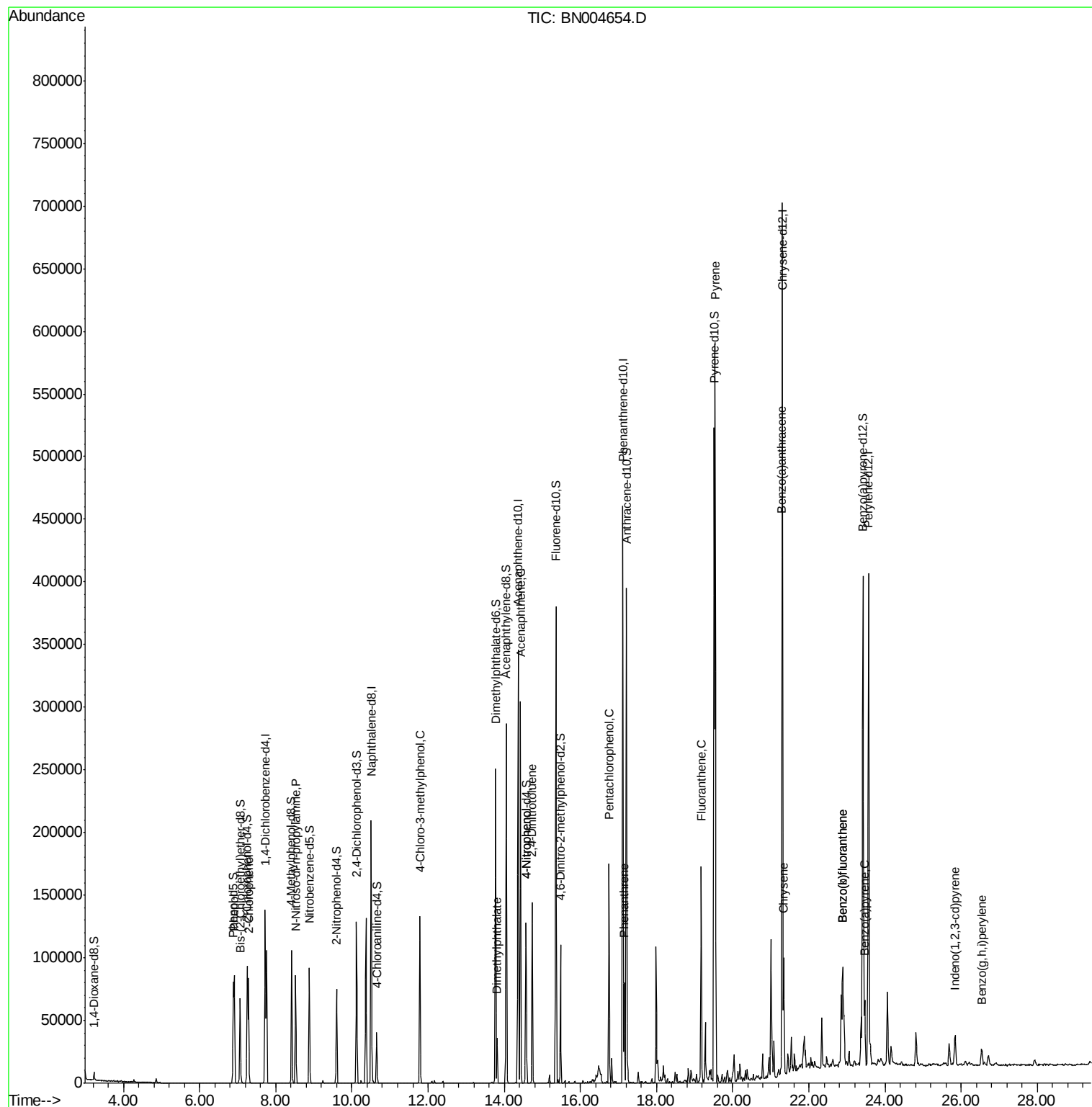
					Ovalue
6) Phenol	6.91	94	49045	15.064	ng/ul 99
10) 2-Chlorophenol	7.28	128	41460	14.803	ng/ul 99
15) N-Nitroso-di-n-propylamine	8.52	70	32575	16.538	ng/ul 99
33) 4-Chloro-3-methylphenol	11.79	107	47759	14.913	ng/ul 99
45) Dimethylphthalate	13.82	163	24627	2.537	ng/ul 100
50) Acenaphthene	14.43	153	123972	15.582	ng/ul 99
53) 4-Nitrophenol	14.57	109	18240	13.670	ng/ul 99
55) 2,4-Dinitrotoluene	14.73	165	46465	16.002	ng/ul 99
69) Pentachlorophenol	16.76	266	33810	14.271	ng/ul 98
70) Phenanthrene	17.15	178	50216	3.346	ng/ul 99
77) Fluoranthene	19.17	202	106632	6.163	ng/ul 99
80) Pyrene	19.54	202	370420	19.435	ng/ul 99
83) Benzo(a)anthracene	21.29	228	56380	2.851	ng/ul 99
85) Chrysene	21.35	228	55506	3.022	ng/ul 97
88) Benzo(b)fluoranthene	22.89	252	74137	4.150	ng/ul 99
89) Benzo(k)fluoranthene	22.89	252	74137	4.221	ng/ul 98
91) Benzo(a)pyrene	23.47	252	40924	2.435	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	25.84	276	23150	1.265	ng/ul 96
94) Benzo(g,h,i)perylene	26.54	276	17576	1.181	ng/ul 95

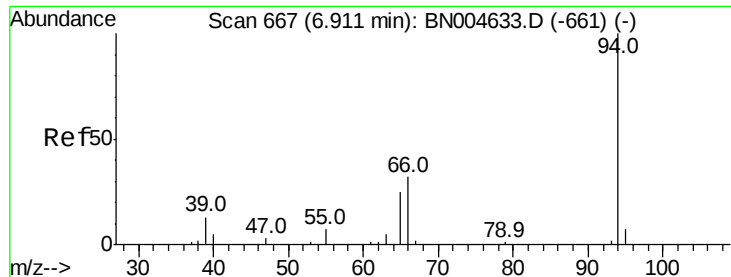
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 08 00:36:35 2019
Response via : Initial Calibration





#6

Phenol

Concen: 15.064 ng/ul

RT: 6.91 min Scan# 667

Delta R.T. -0.00 min

Lab File: BN004654.D

Acq: 08 Mar 2019 01:20

Instrument :

BNA_N

ClientSampleId :

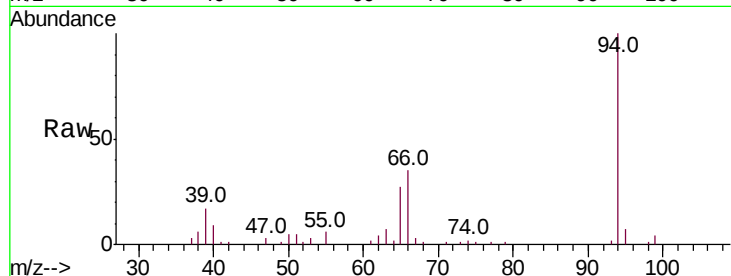
Tot Ion: 94 Resp: 49045

Ion Ratio Lower Upper

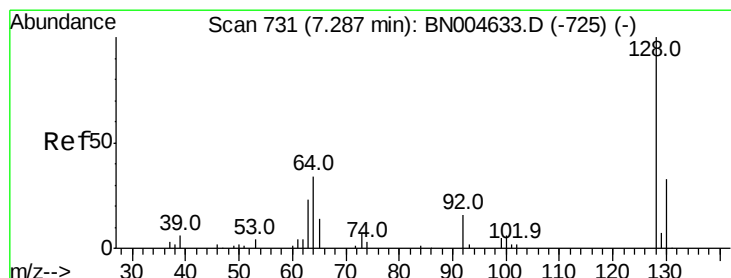
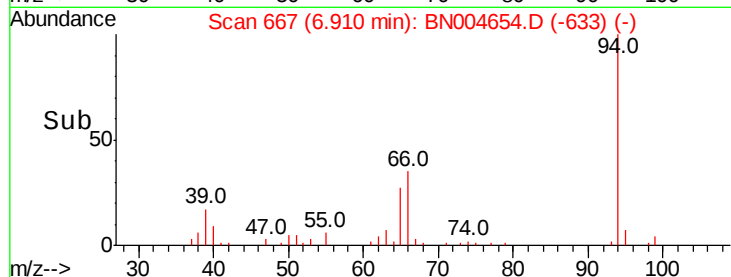
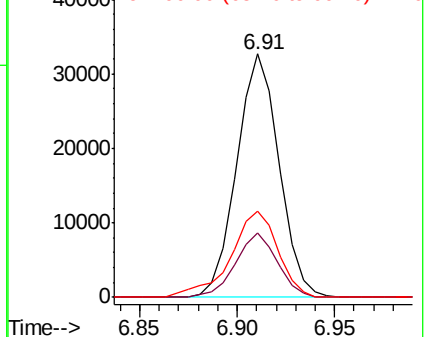
94 100

65 26.5 20.2 30.4

66 35.3 28.2 42.2



Abundance Ion 94.00 (93.70 to 94.70): BN0
Ion 65.00 (64.70 to 65.70): BN0
Ion 66.00 (65.70 to 66.70): BN0



#10

2-Chlorophenol

Concen: 14.803 ng/ul

RT: 7.28 min Scan# 730

Delta R.T. -0.01 min

Lab File: BN004654.D

Acq: 08 Mar 2019 01:20

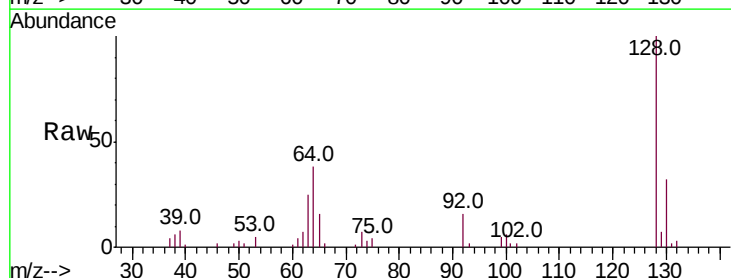
Tgt Ion:128 Resp: 41460

Ion Ratio Lower Upper

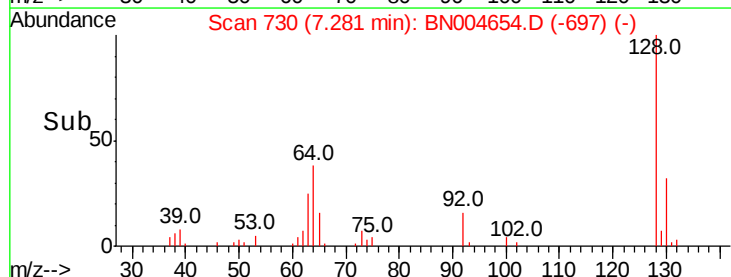
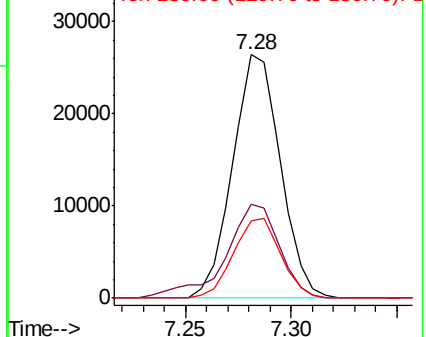
128 100

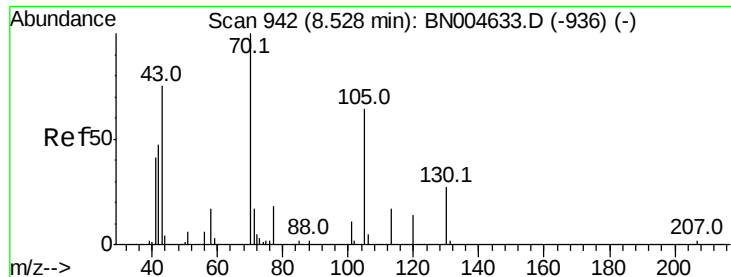
64 38.4 31.0 46.6

130 31.8 26.1 39.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 130.00 (129.70 to 130.70): E





#15

N-Nitroso-di-n-propylamine

Concen: 16.538 ng/ul

RT: 8.52 min Scan# 941

Delta R.T. -0.01 min

Lab File: BN004654.D

Acq: 08 Mar 2019 01:20

Instrument :

BNA_N

ClientSampleId :

Tot Ion: 70 Resp: 32575

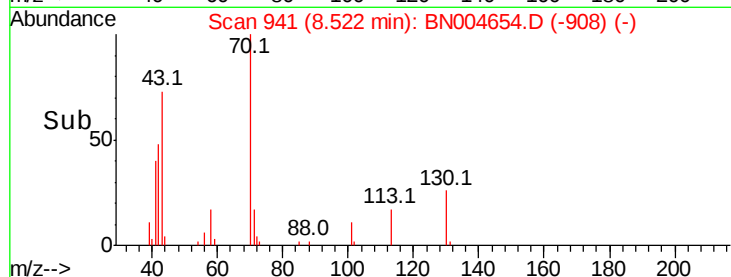
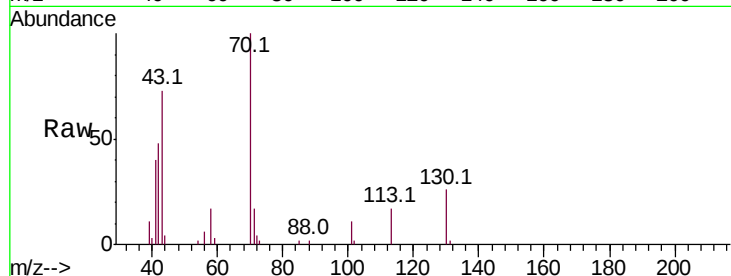
Ion Ratio Lower Upper

70 100

42 48.0 38.6 58.0

101 11.2 8.4 12.6

130 26.0 19.9 29.9

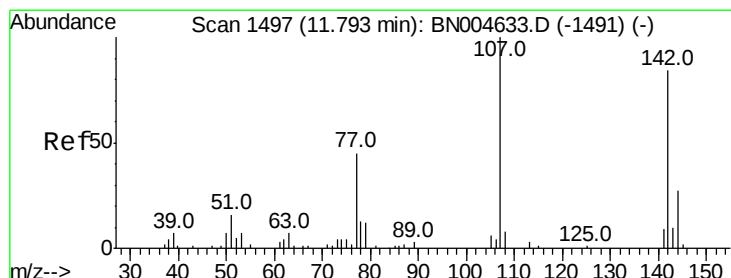
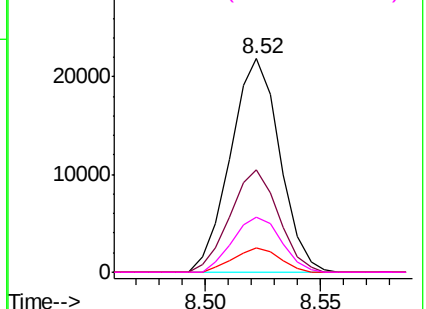


Abundance Ion 70.00 (69.70 to 70.70): BN004633.D (-936) (-)

Ion 42.00 (41.70 to 42.70): BN004633.D (-936) (-)

Ion 101.00 (100.70 to 101.70): BN004633.D (-936) (-)

Ion 130.00 (129.70 to 130.70): BN004633.D (-936) (-)



#33

4-Chloro-3-methylphenol

Concen: 14.913 ng/ul

RT: 11.79 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BN004654.D

Acq: 08 Mar 2019 01:20

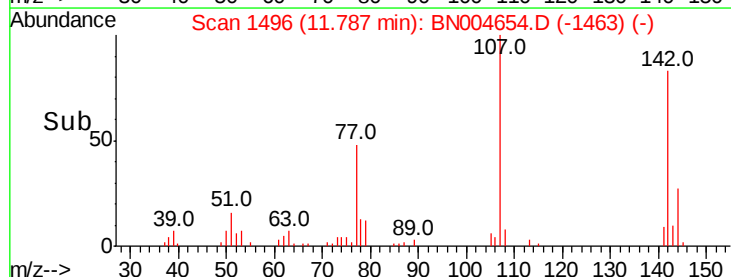
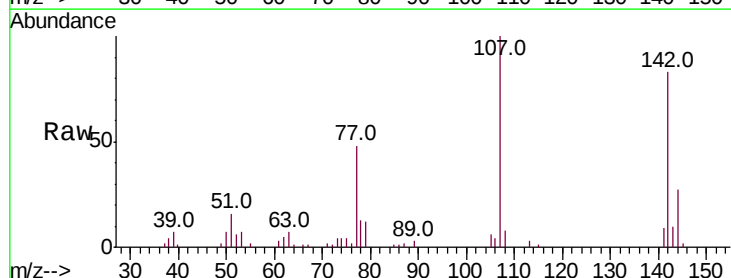
Tgt Ion:107 Resp: 47759

Ion Ratio Lower Upper

107 100

144 26.7 22.2 33.4

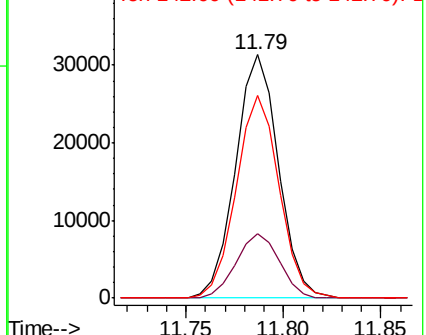
142 83.3 67.4 101.0

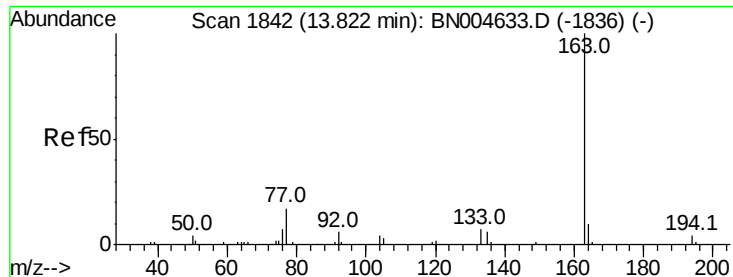


Abundance Ion 107.00 (106.70 to 107.70): BN004633.D (-1491) (-)

Ion 144.00 (143.70 to 144.70): BN004633.D (-1491) (-)

Ion 142.00 (141.70 to 142.70): BN004633.D (-1491) (-)

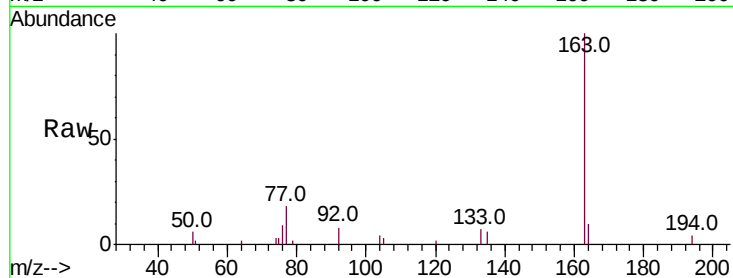




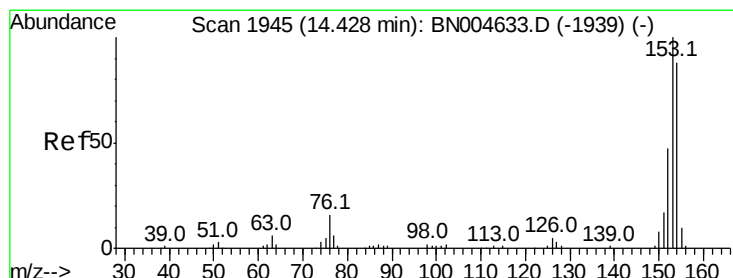
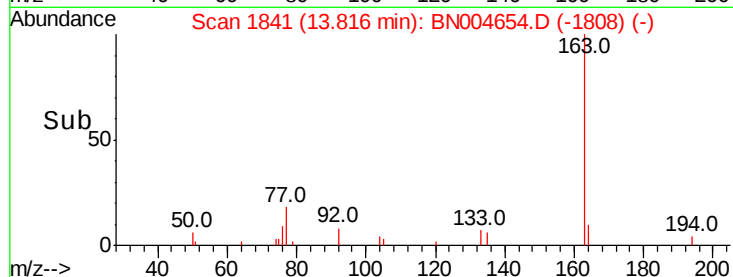
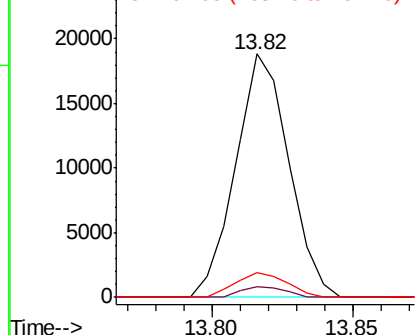
#45
Dimethylphthalate
Concen: 2.537 ng/ul
RT: 13.82 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BN004654.D
Acq: 08 Mar 2019 01:20

Instrument :
BNA_N
ClientSampled :

Tot Ion:163 Resp: 24627
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.0 7.9 11.9

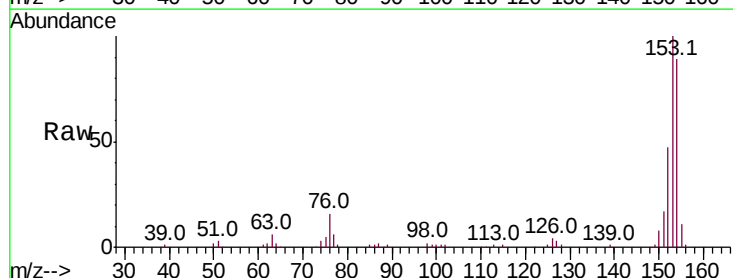


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

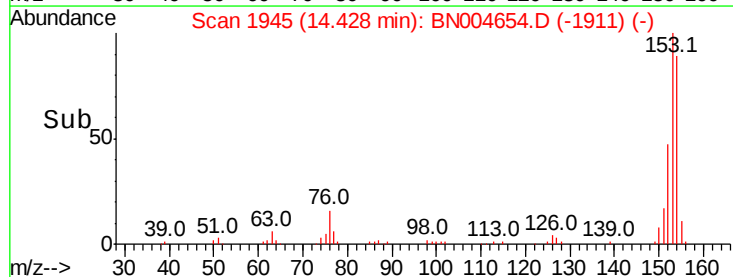
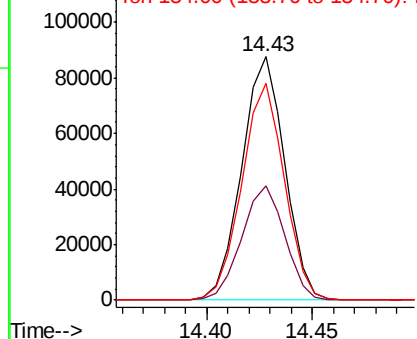


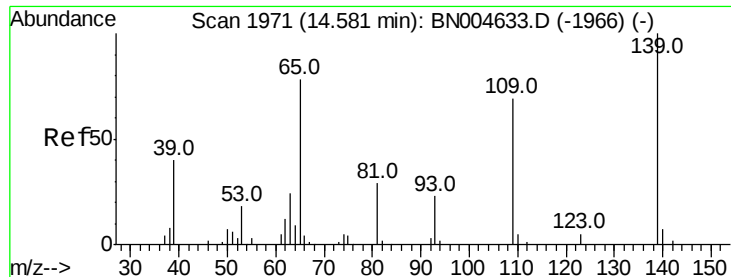
#50
Acenaphthene
Concen: 15.582 ng/ul
RT: 14.43 min Scan# 1945
Delta R.T. -0.00 min
Lab File: BN004654.D
Acq: 08 Mar 2019 01:20

Tgt Ion:153 Resp: 123972
Ion Ratio Lower Upper
153 100
152 46.9 37.8 56.6
154 88.8 70.0 105.0



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

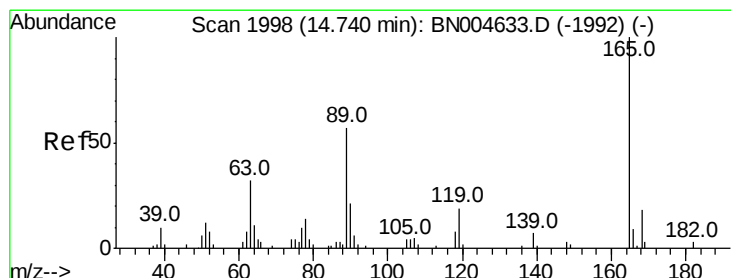
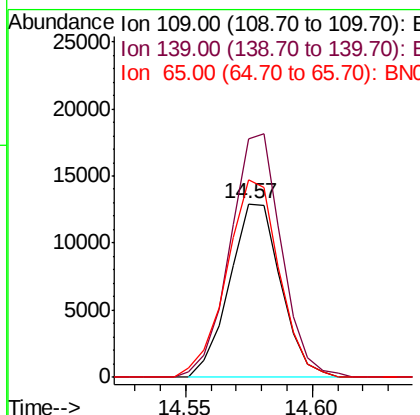
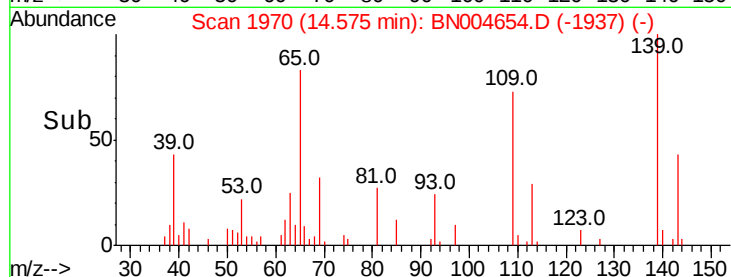
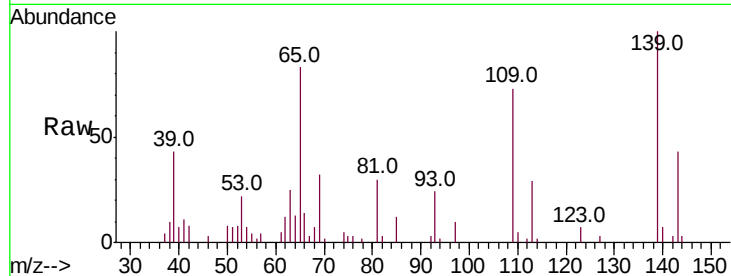




#53
4-Nitrophenol
Concen: 13.670 ng/ul
RT: 14.57 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BN004654.D
Acq: 08 Mar 2019 01:20

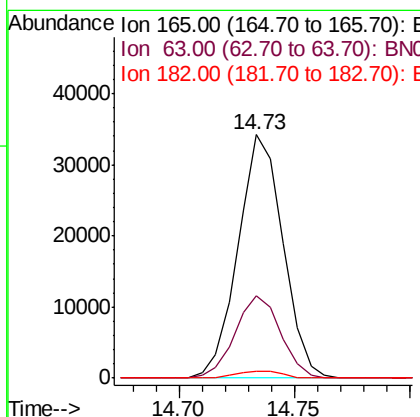
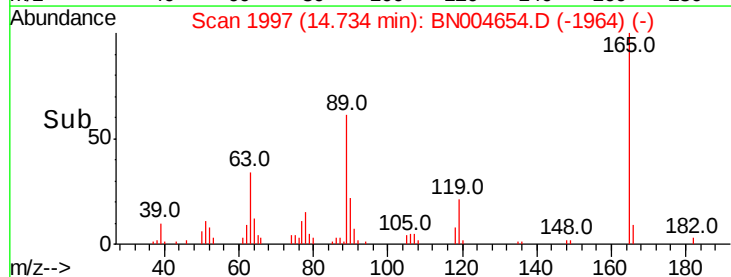
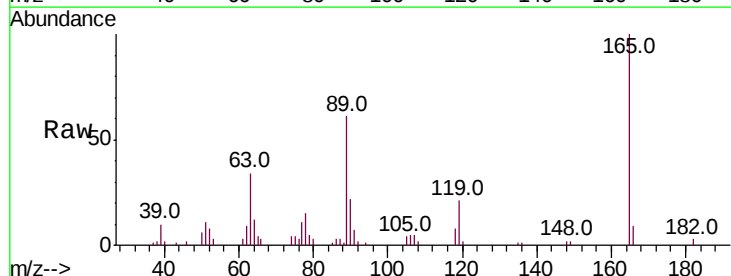
Instrument :
BNA_N
ClientSampled :

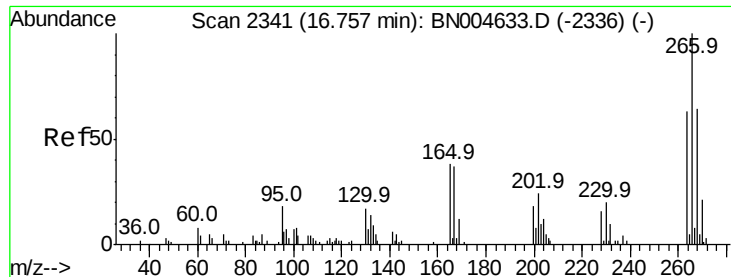
Tot Ion:109 Resp: 18240
Ion Ratio Lower Upper
109 100
139 137.8 112.1 168.1
65 113.7 90.3 135.5



#55
2,4-Dinitrotoluene
Concen: 16.002 ng/ul
RT: 14.73 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BN004654.D
Acq: 08 Mar 2019 01:20

Tgt Ion:165 Resp: 46465
Ion Ratio Lower Upper
165 100
63 33.9 27.6 41.4
182 3.0 2.3 3.5

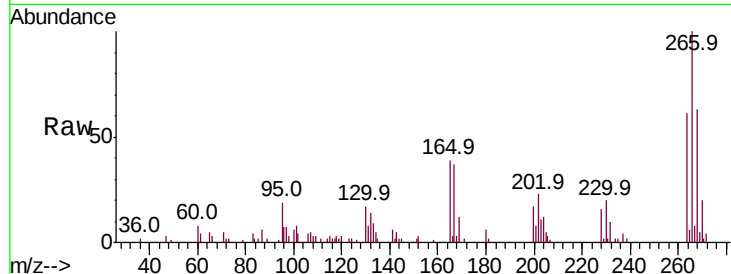




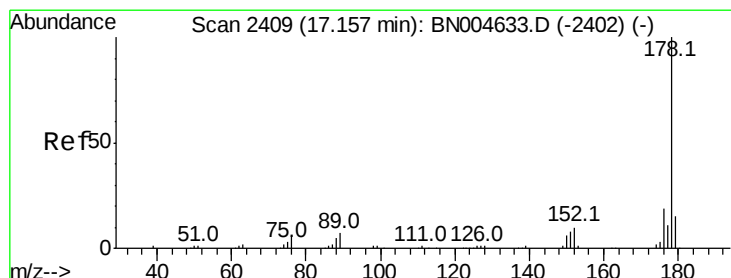
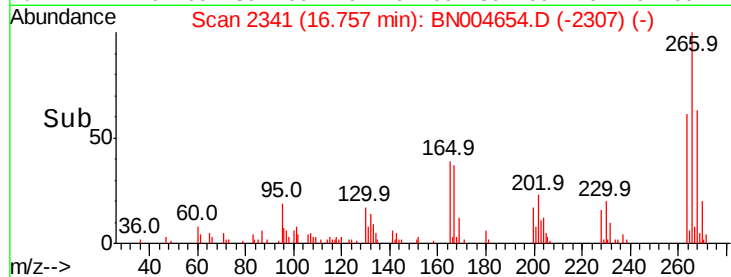
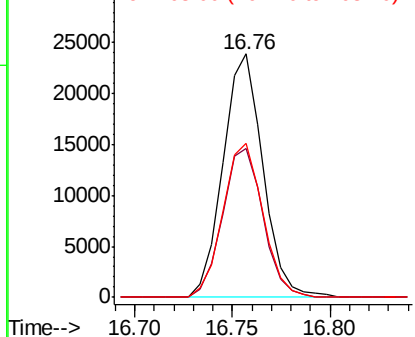
#69
 Pentachlorophenol
 Concen: 14.271 ng/ul
 RT: 16.76 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: BN004654.D
 Acq: 08 Mar 2019 01:20

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:266 Resp: 33810
 Ion Ratio Lower Upper
 266 100
 264 61.1 50.3 75.5
 268 63.4 49.6 74.4

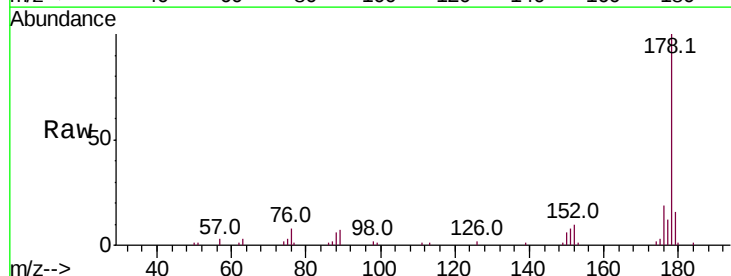


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

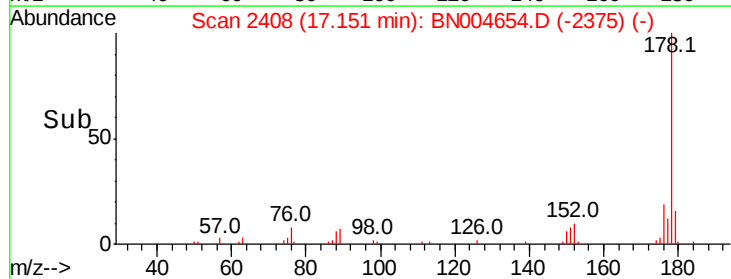
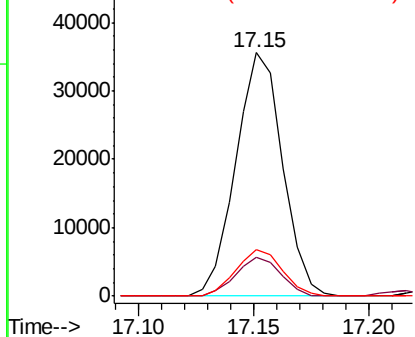


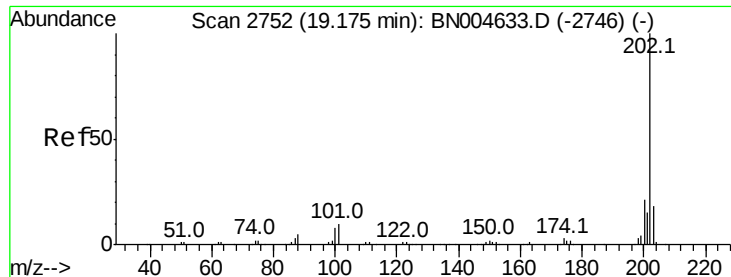
#70
 Phenanthrene
 Concen: 3.346 ng/ul
 RT: 17.15 min Scan# 2408
 Delta R.T. -0.01 min
 Lab File: BN004654.D
 Acq: 08 Mar 2019 01:20

Tgt Ion:178 Resp: 50216
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.3 18.5
 176 18.9 15.4 23.0



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





#77

Fluoranthene

Concen: 6.163 ng/ul

RT: 19.17 min Scan# 2751

Delta R.T. -0.01 min

Lab File: BN004654.D

Acq: 08 Mar 2019 01:20

Instrument :

BNA_N

ClientSampled :

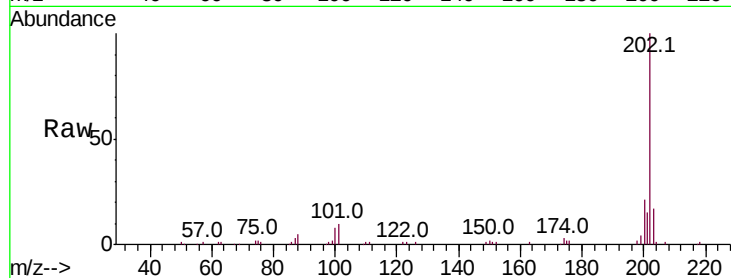
Tot Ion:202 Resp: 106632

Ion Ratio Lower Upper

202 100

101 10.2 8.2 12.4

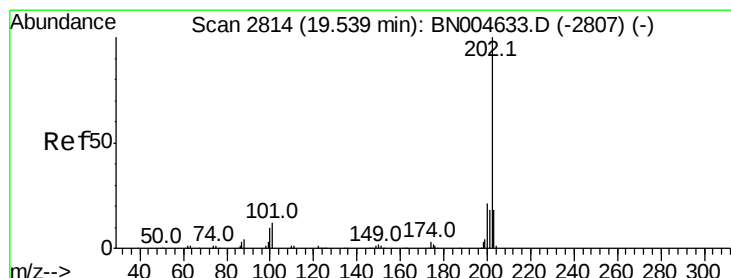
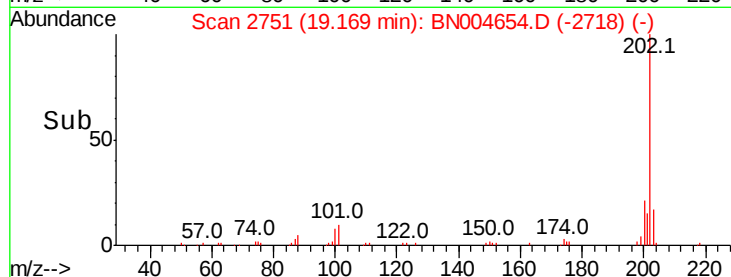
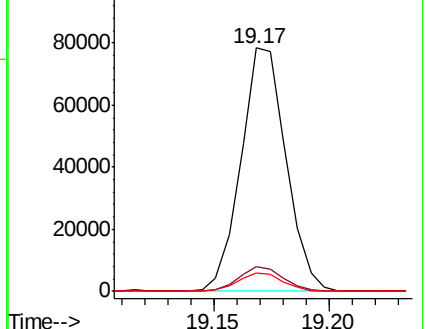
100 7.6 6.6 9.8



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



#80

Pyrene

Concen: 19.435 ng/ul

RT: 19.54 min Scan# 2814

Delta R.T. -0.00 min

Lab File: BN004654.D

Acq: 08 Mar 2019 01:20

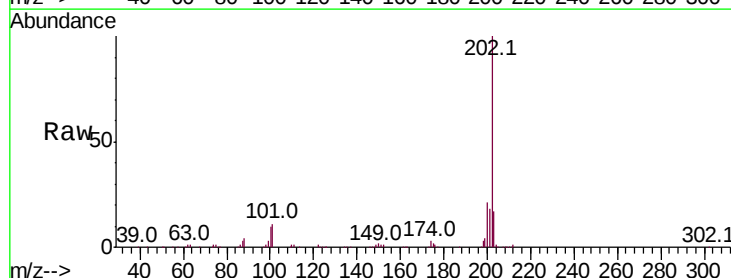
Tgt Ion:202 Resp: 370420

Ion Ratio Lower Upper

202 100

101 11.3 9.2 13.8

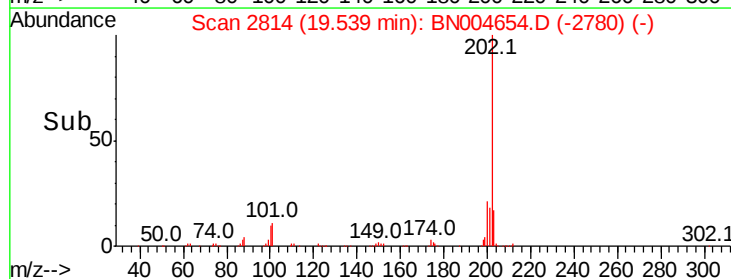
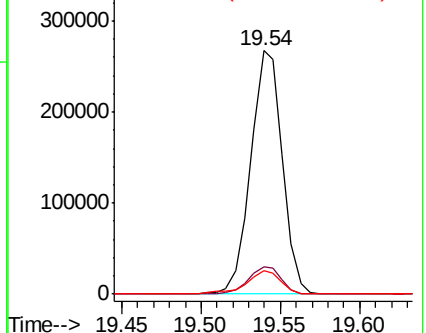
100 9.7 7.5 11.3

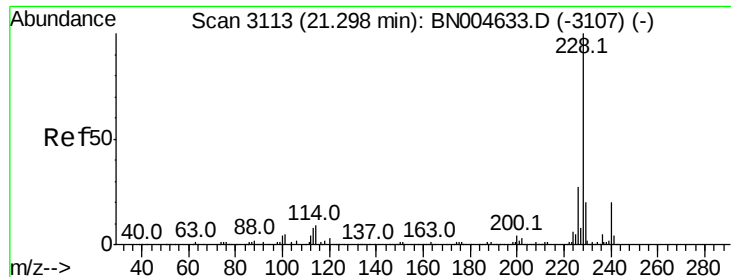


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

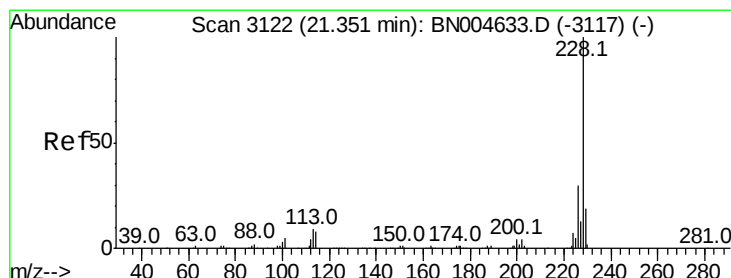
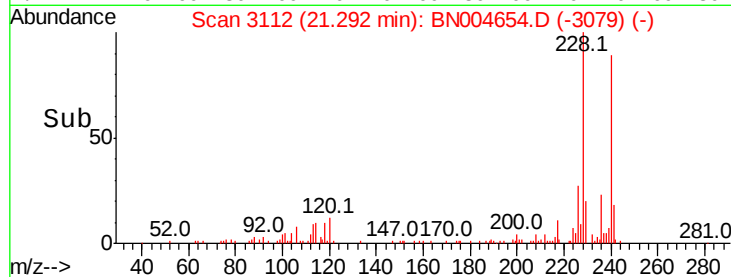
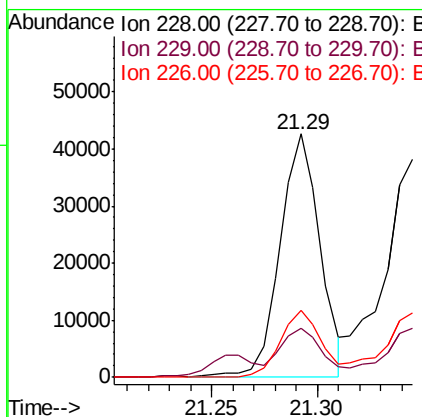
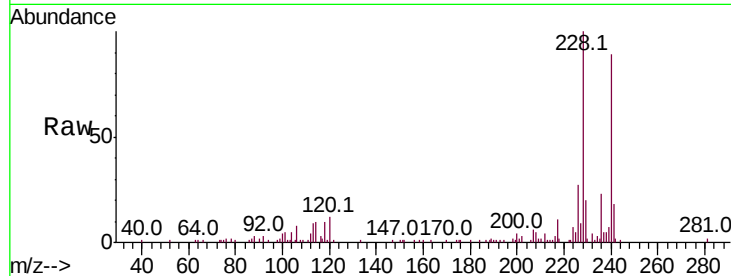




#83
Benzo(a)anthracene
Concen: 2.851 ng/ul
RT: 21.29 min Scan# 3112
Delta R.T. -0.01 min
Lab File: BN004654.D
Acq: 08 Mar 2019 01:20

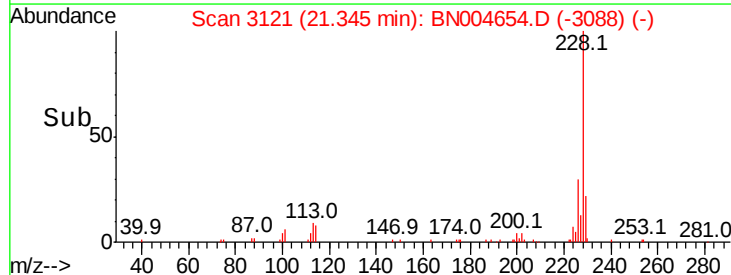
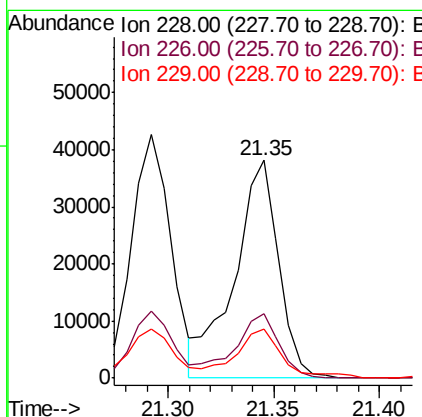
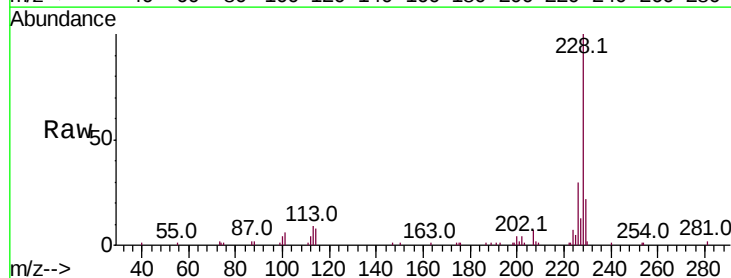
Instrument :
BNA_N
ClientSampled :

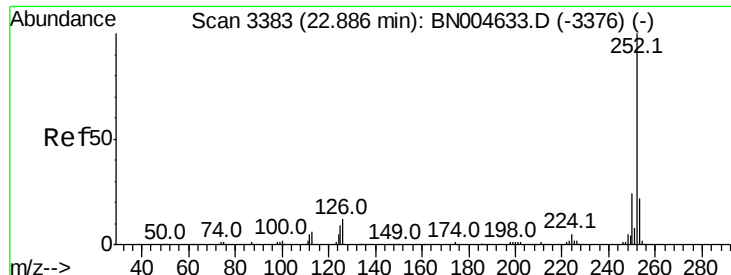
Tot Ion:228 Resp: 56380
Ion Ratio Lower Upper
228 100
229 20.0 15.4 23.2
226 27.5 21.4 32.2



#85
Chrysene
Concen: 3.022 ng/ul
RT: 21.35 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BN004654.D
Acq: 08 Mar 2019 01:20

Tgt Ion:228 Resp: 55506
Ion Ratio Lower Upper
228 100
226 29.6 24.0 36.0
229 22.3 15.7 23.5





#88

Benzo(b)fluoranthene

Concen: 4.150 ng/u1

RT: 22.89 min Scan# 3383

Delta R.T. -0.00 min

Lab File: BN004654.D

Acq: 08 Mar 2019 01:20

Instrument :

BNA_N

ClientSampleId :

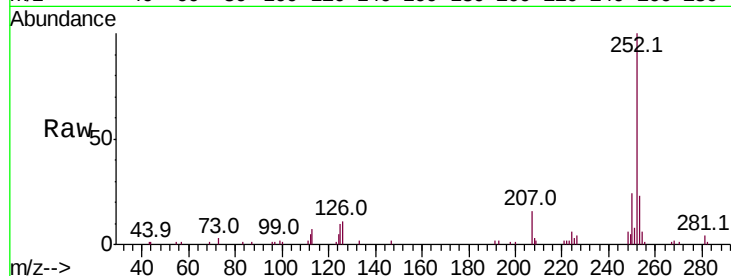
Tot Ion:252 Resp: 74137

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

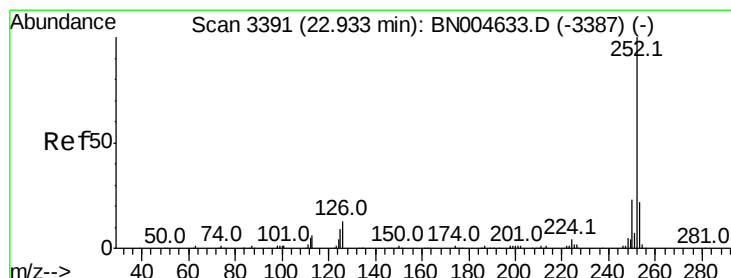
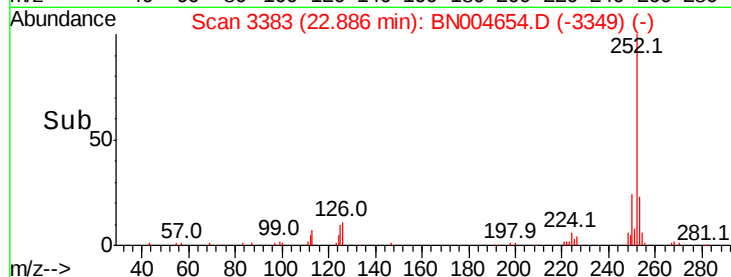
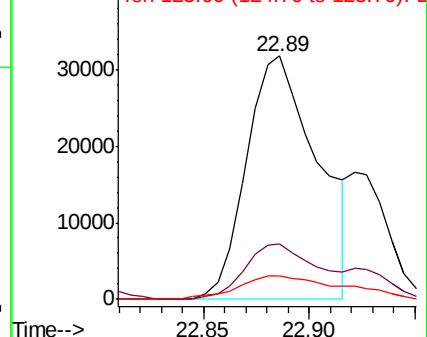
125 9.7 7.4 11.2



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



#89

Benzo(k)fluoranthene

Concen: 4.221 ng/u1

RT: 22.89 min Scan# 3383

Delta R.T. -0.05 min

Lab File: BN004654.D

Acq: 08 Mar 2019 01:20

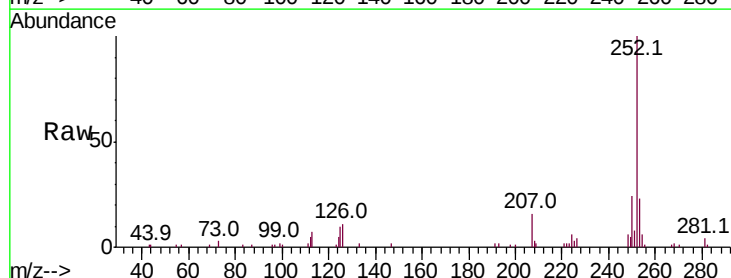
Tgt Ion:252 Resp: 74137

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

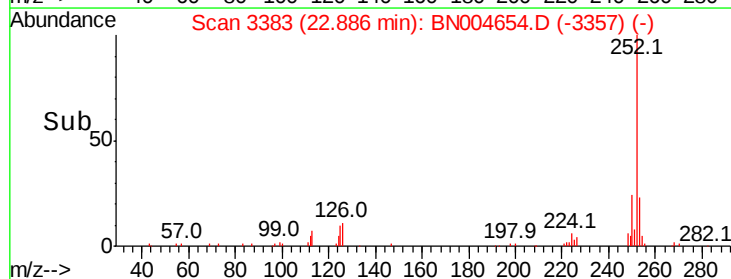
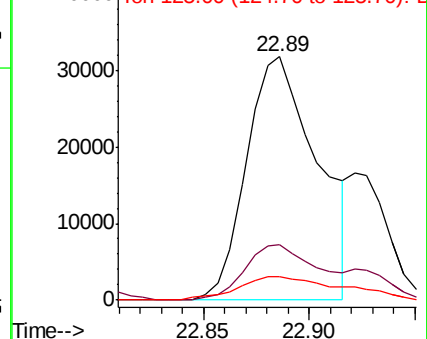
125 9.7 7.4 11.0

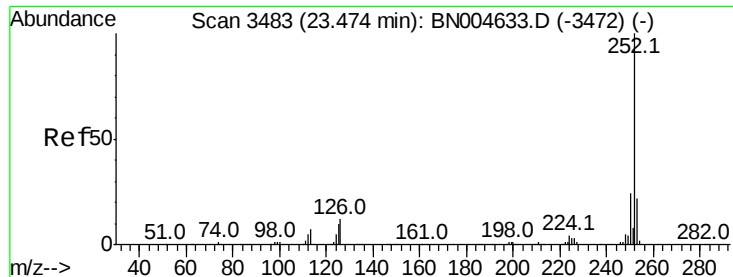


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 2.435 ng/ul

RT: 23.47 min Scan# 3482

Delta R.T. -0.01 min

Lab File: BN004654.D

Acq: 08 Mar 2019 01:20

Instrument :

BNA_N

ClientSampled :

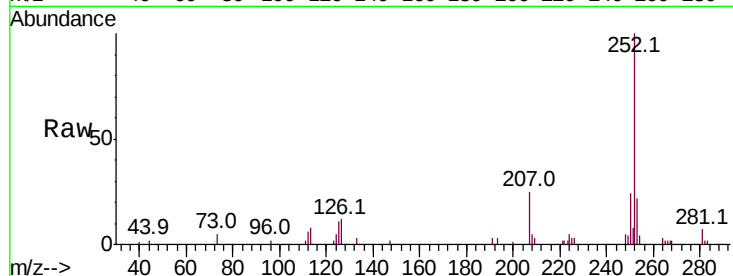
Tot Ion:252 Resp: 40924

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

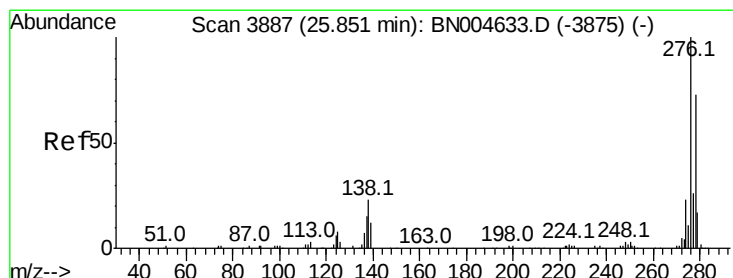
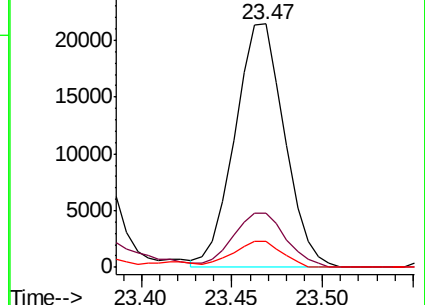
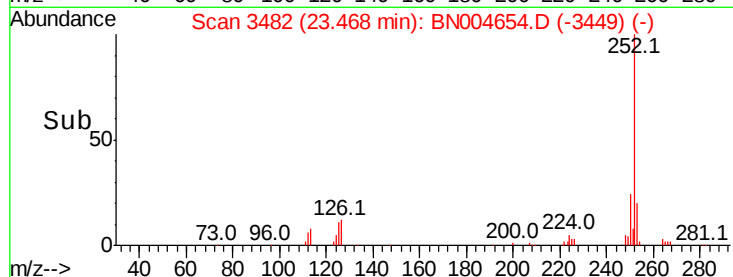
125 10.6 8.4 12.6



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.265 ng/ul

RT: 25.84 min Scan# 3885

Delta R.T. -0.01 min

Lab File: BN004654.D

Acq: 08 Mar 2019 01:20

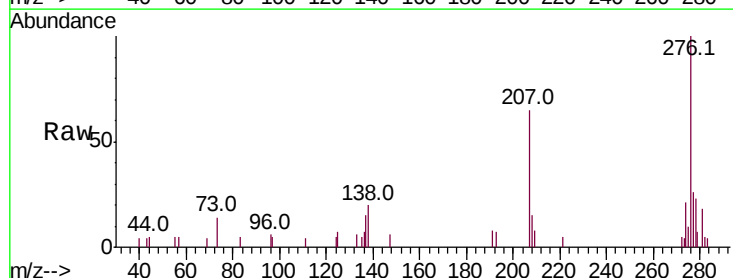
Tgt Ion:276 Resp: 23150

Ion Ratio Lower Upper

276 100

138 20.4 18.7 28.1

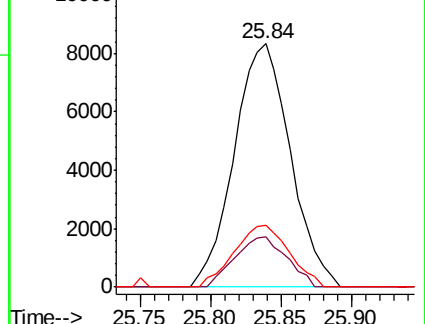
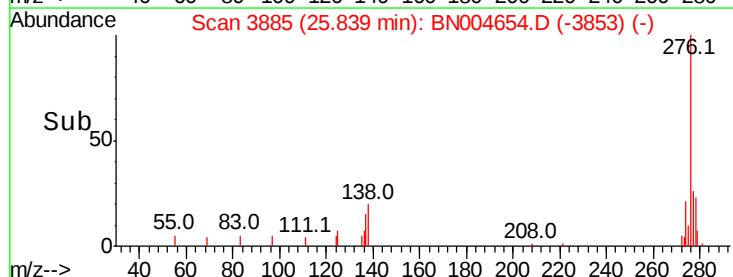
277 25.6 19.8 29.8

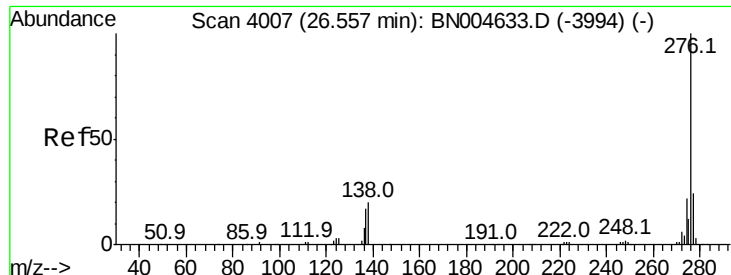


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(a,h,i)perylene

Concen: 1.181 ng/ul

RT: 26.54 min Scan# 4004

Delta R.T. -0.02 min

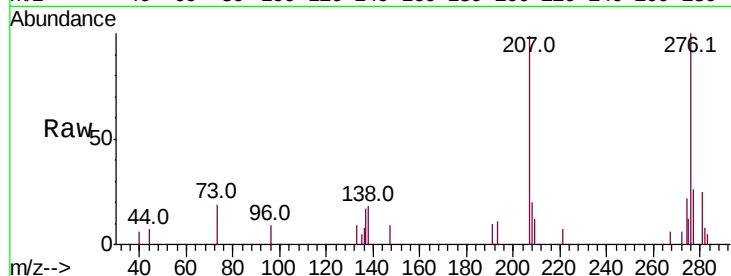
Lab File: BN004654.D

Acq: 08 Mar 2019 01:20

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 17576

Ion Ratio Lower Upper

276 100

138 18.1 16.7 25.1

277 25.6 19.0 28.6

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

