

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
 Data File : BN005871.D
 Acq On : 23 May 2019 03:32
 Operator : JU/SJ
 Sample : K2927-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 23 05:09:14 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	104976	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	428669	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	279133	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	703058	20.00	ng/ul	0.00
77) Chrysene-d12	21.19	240	609543	20.00	ng/ul	0.00
85) Perylene-d12	23.39	264	583386	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	5870	3.13	ng/uL	0.00
5) Phenol-d5	6.77	99	112695	13.89	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.91	67	66392	15.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	98989	15.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	86373	12.45	ng/ul	0.01
19) Nitrobenzene-d5	8.72	128	47502	15.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	51424	14.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	105492	15.38	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	39185	5.15	ng/ul	0.03
43) Dimethylphthalate-d6	13.62	166	361665	16.84	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	446347	17.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	23272	7.69	ng/ul	0.04
57) Fluorene-d10	15.20	176	336520	18.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	18575	4.40	ng/ul	0.02
70) Anthracene-d10	17.06	188	536843	17.68	ng/ul	0.00
78) Pyrene-d10	19.37	212	606157	20.18	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.25	264	455986	17.42	ng/ul	0.00

Target Compounds

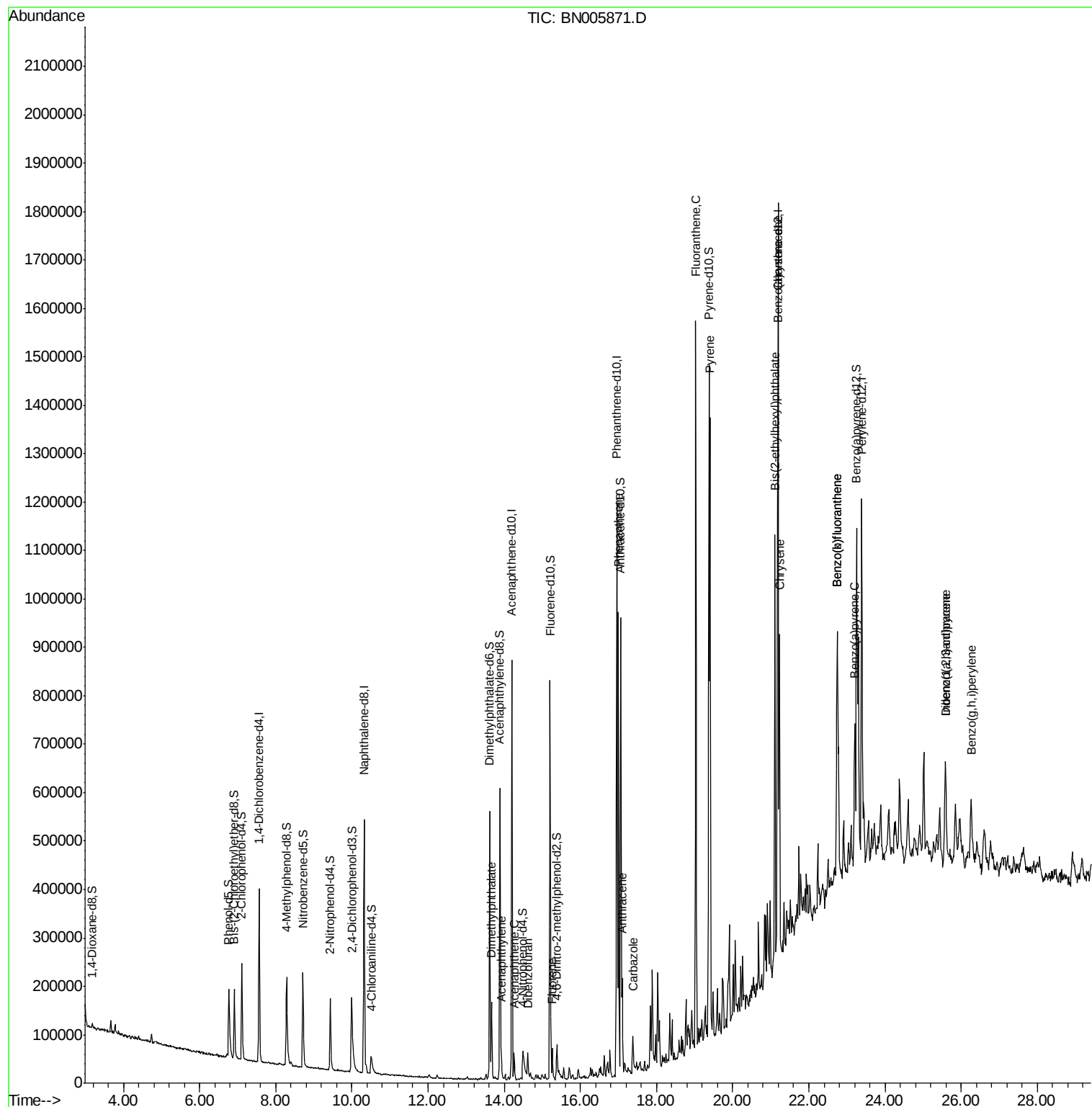
					Ovalue	
44) Dimethylphthalate	13.67	163	105859	4.999	ng/ul	99
47) Acenaphthylene	13.92	152	34103	1.357	ng/ul#	96
49) Acenaphthene	14.26	153	21772	1.279	ng/ul	92
53) Dibenzofuran	14.62	168	25434	1.007	ng/ul	88
58) Fluorene	15.26	166	28067	1.366	ng/ul#	92
69) Phenanthrene	17.00	178	563471	16.168	ng/ul	99
71) Anthracene	17.10	178	131980	3.719	ng/ul	97
74) Carbazole	17.38	167	43433	1.388	ng/ul	98
76) Fluoranthene	19.03	202	929362	21.570	ng/ul#	88
79) Pyrene	19.40	202	807470	21.572	ng/ul#	85
82) Benzo(a)anthracene	21.17	228	430607	11.213	ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.11	149	281468	12.936	ng/ul#	98
84) Chrysene	21.23	228	378629	10.459	ng/ul	97
87) Benzo(b)fluoranthene	22.75	252	449335	14.000	ng/ul#	95
88) Benzo(k)fluoranthene	22.75	252	449335	14.469	ng/ul#	95
90) Benzo(a)pyrene	23.20	252	214742	6.910	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.59	276	203991	5.369	ng/ul#	90
92) Dibenz(a,h)anthracene	25.58	278	61119	1.911	ng/ul#	88
93) Benzo(g,h,i)perylene	26.26	276	162170	5.106	ng/ul#	87

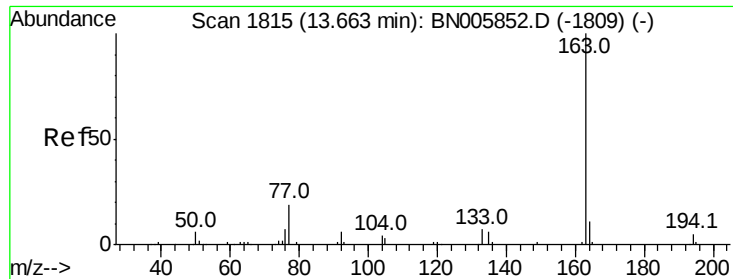
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 4.999 ng/ul

RT: 13.67 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Instrument :

BNA_N

ClientSampleId :

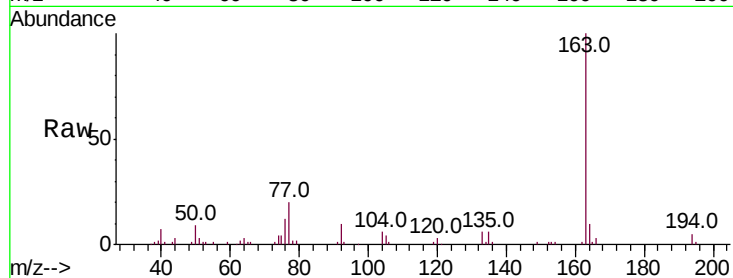
Tot Ion:163 Resp: 105859

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.0

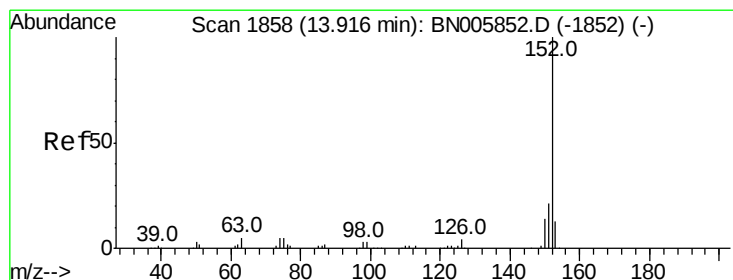
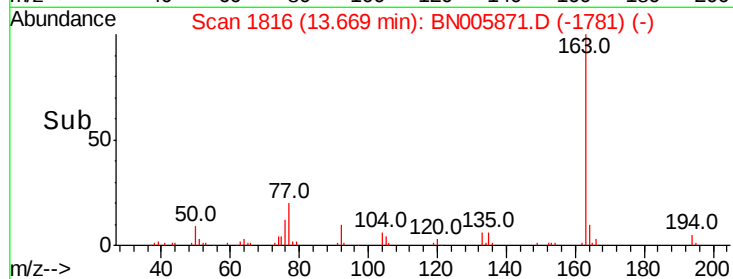
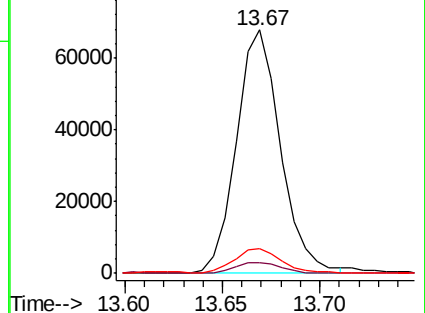
164 9.9 8.1 12.1



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



#47

Acenaphthylene

Concen: 1.357 ng/ul

RT: 13.92 min Scan# 1859

Delta R.T. 0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

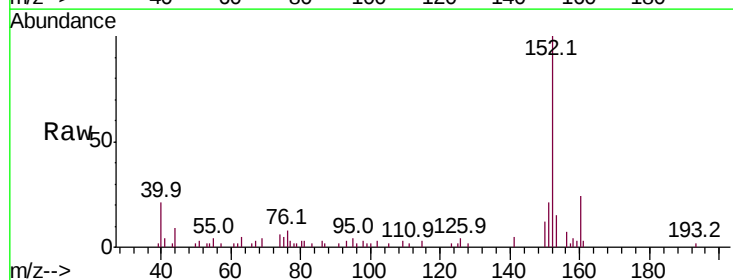
Tgt Ion:152 Resp: 34103

Ion Ratio Lower Upper

152 100

151 20.8 15.8 23.8

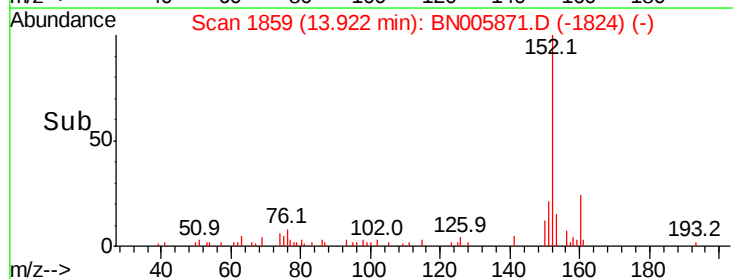
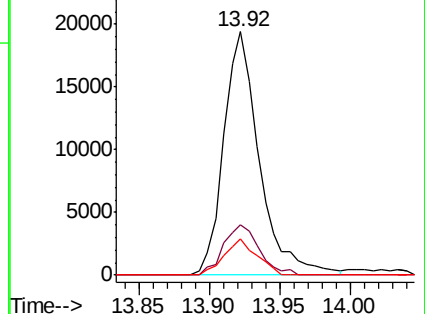
153 15.1 9.8 14.8#

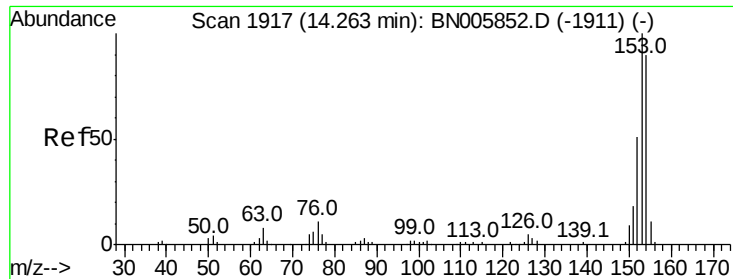


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.279 ng/ul

RT: 14.26 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Instrument :

BNA_N

ClientSampleId :

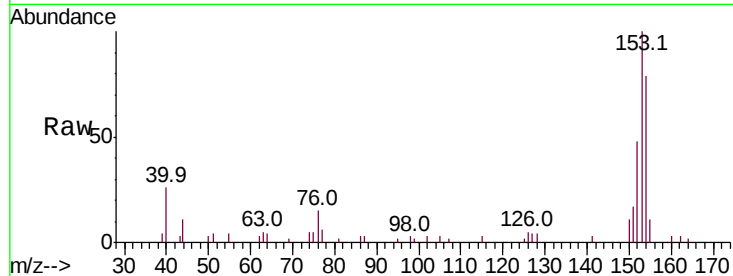
Tot Ion:153 Resp: 21772

Ion Ratio Lower Upper

153 100

152 47.8 37.4 56.0

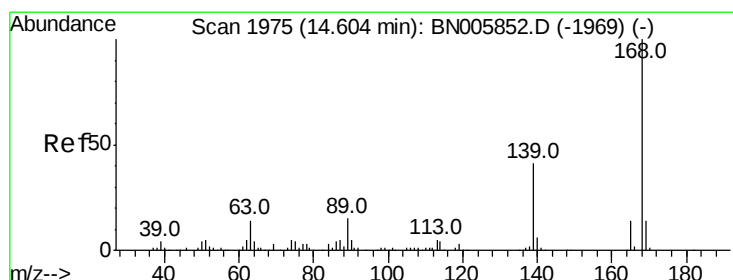
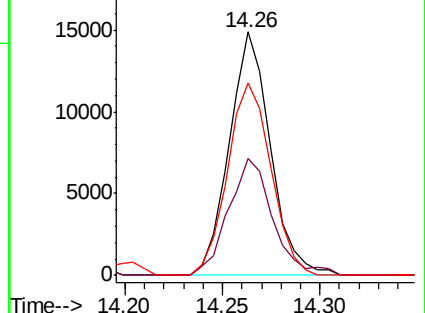
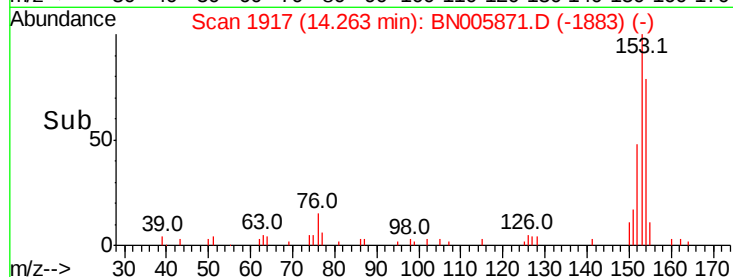
154 79.0 71.2 106.8



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



#53

Dibenzofuran

Concen: 1.007 ng/ul

RT: 14.62 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BN005871.D

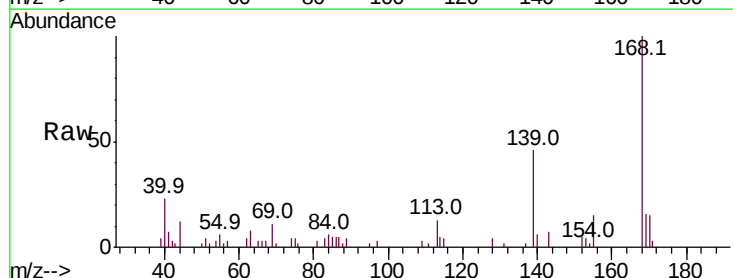
Acq: 23 May 2019 03:32

Tgt Ion:168 Resp: 25434

Ion Ratio Lower Upper

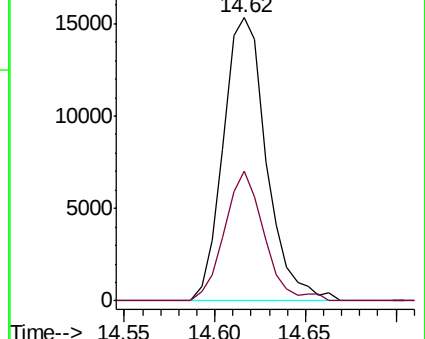
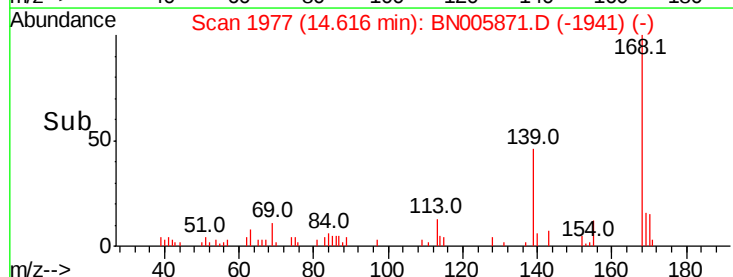
168 100

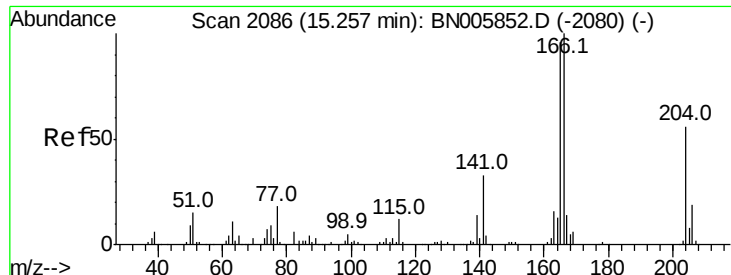
139 45.7 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.366 ng/ul

RT: 15.26 min Scan# 2087

Delta R.T. 0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Instrument :

BNA_N

ClientSampleId :

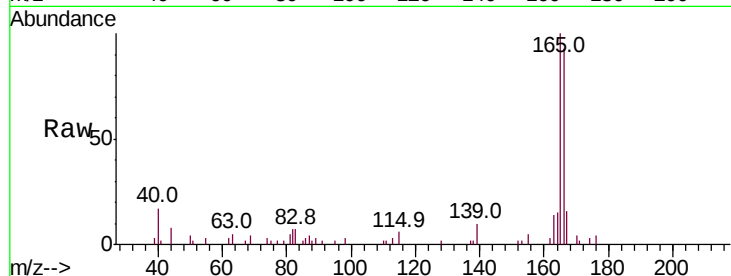
Tot Ion:166 Resp: 28067

Ion Ratio Lower Upper

166 100

165 107.3 80.0 120.0

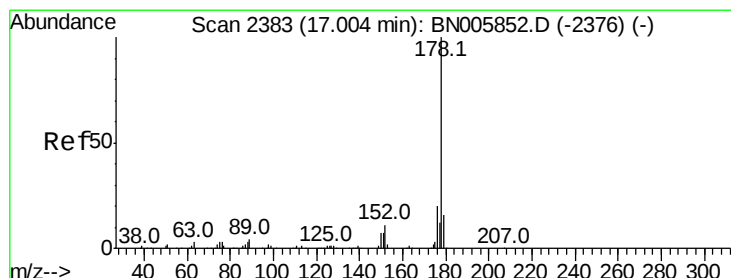
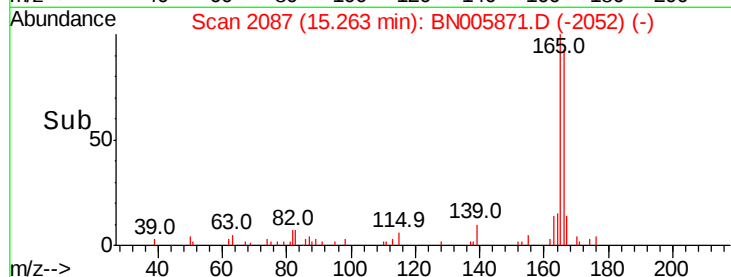
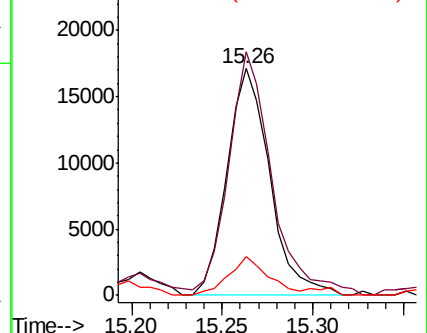
167 17.4 10.7 16.1#



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



#69

Phenanthrene

Concen: 16.168 ng/ul

RT: 17.00 min Scan# 2382

Delta R.T. -0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

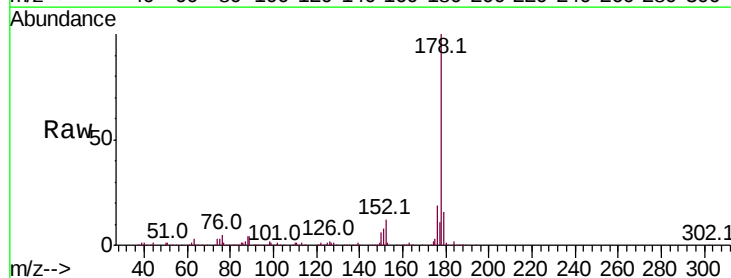
Tgt Ion:178 Resp: 563471

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.4

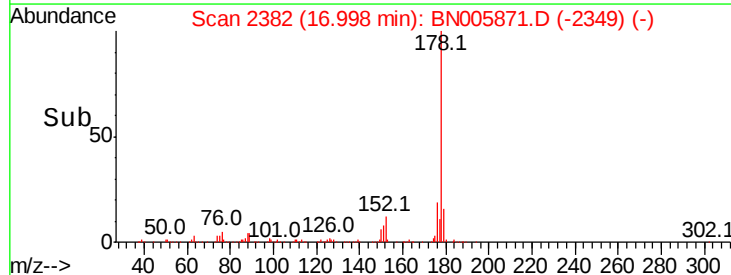
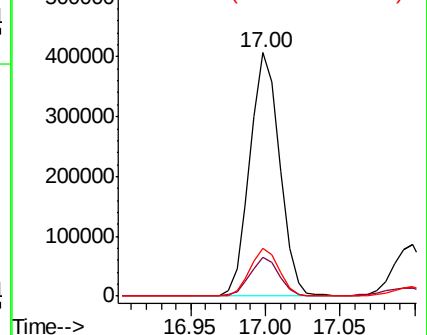
176 19.4 15.1 22.7

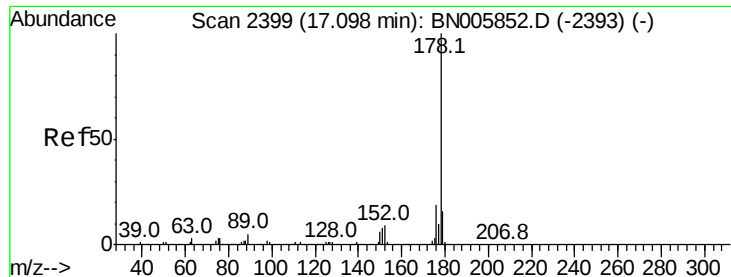


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

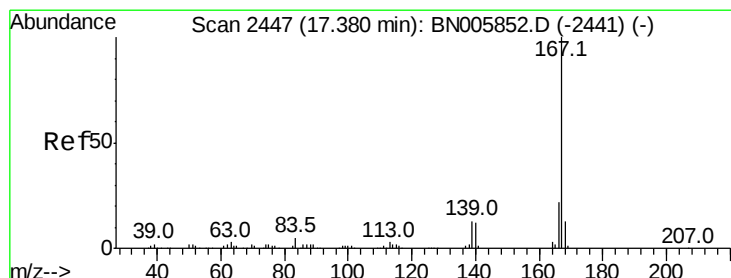
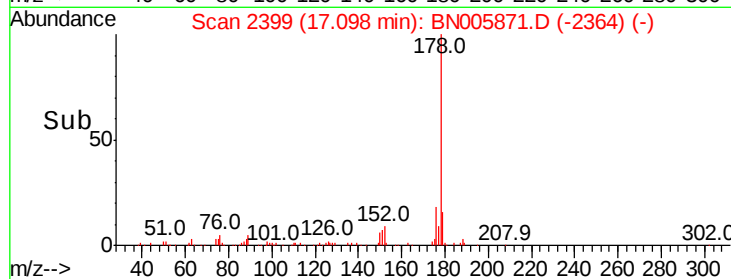
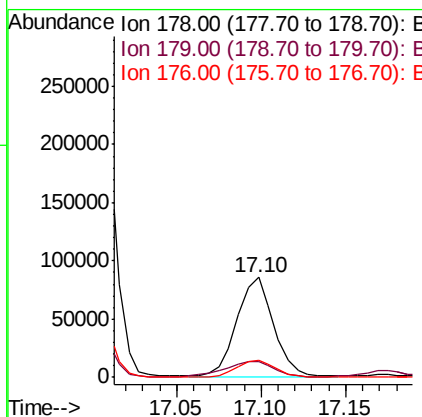
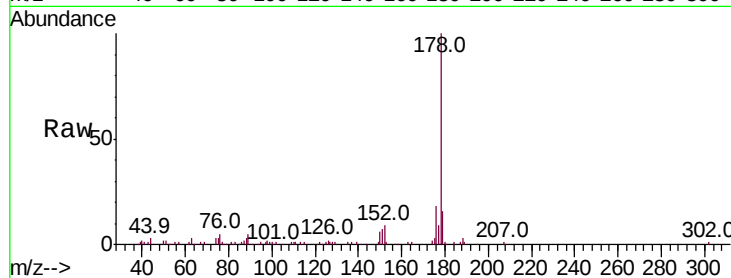




#71
 Anthracene
 Concen: 3.719 ng/ul
 RT: 17.10 min Scan# 2399
 Delta R.T. 0.01 min
 Lab File: BN005871.D
 Acq: 23 May 2019 03:32

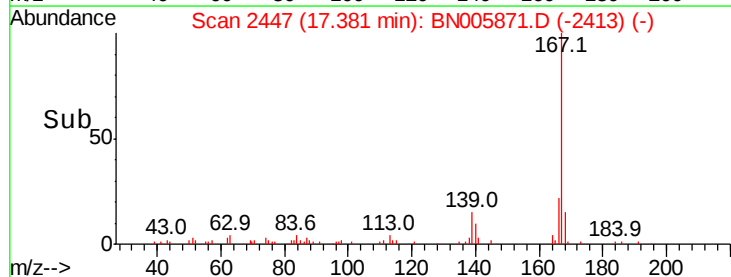
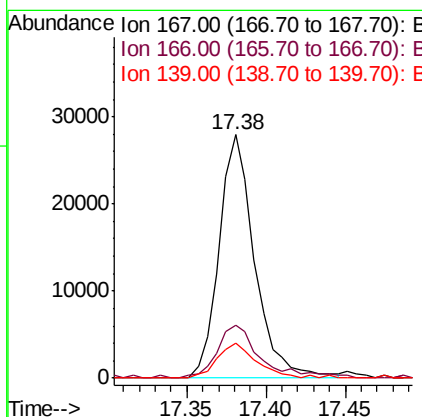
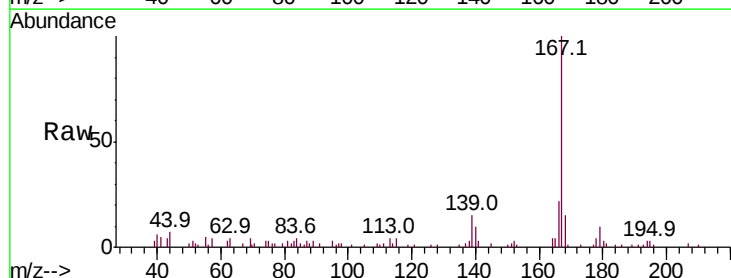
Instrument :
 BNA_N
 ClientSampled :

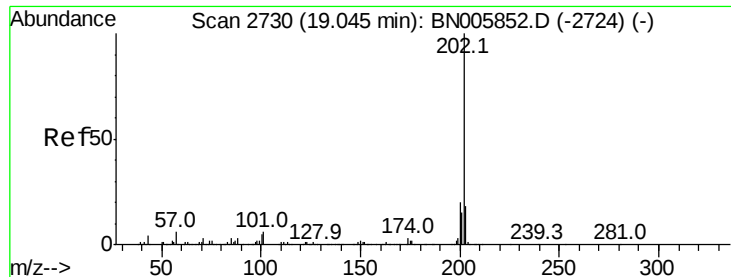
Tot Ion:178 Resp: 131980
 Ion Ratio Lower Upper
 178 100
 179 16.3 12.3 18.5
 176 17.5 15.1 22.7



#74
 Carbazole
 Concen: 1.388 ng/ul
 RT: 17.38 min Scan# 2447
 Delta R.T. 0.00 min
 Lab File: BN005871.D
 Acq: 23 May 2019 03:32

Tgt Ion:167 Resp: 43433
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.2 25.8
 139 14.6 10.6 16.0





#76

Fluoranthene

Concen: 21.570 ng/ul

RT: 19.03 min Scan# 2728

Delta R.T. -0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Instrument :

BNA_N

ClientSampleId :

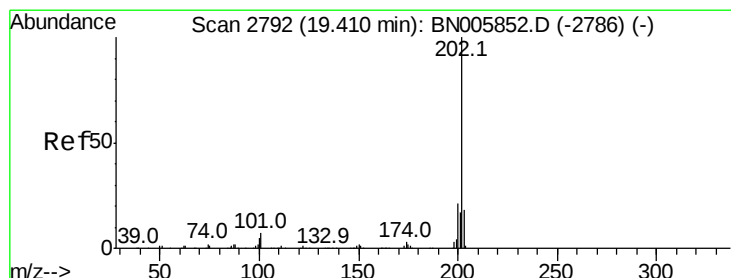
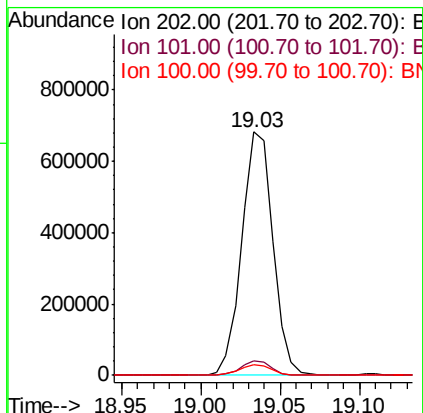
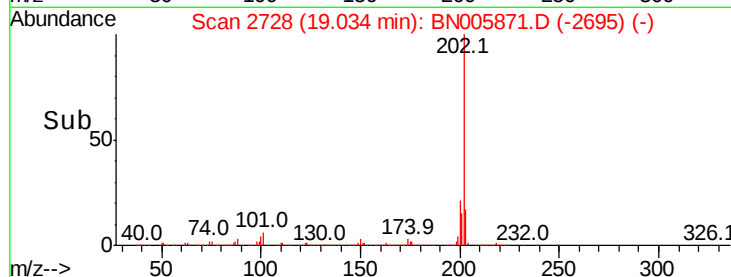
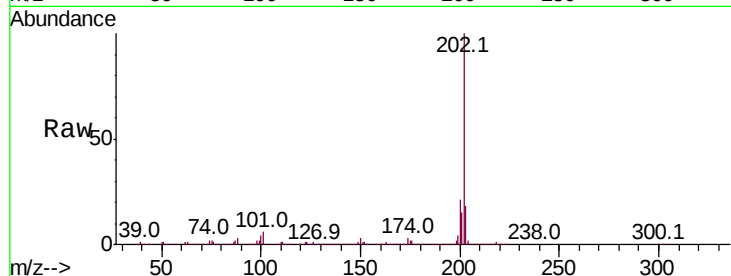
Tot Ion:202 Resp: 929362

Ion Ratio Lower Upper

202 100

101 5.8 8.6 12.8#

100 4.5 6.3 9.5#



#79

Pyrene

Concen: 21.572 ng/ul

RT: 19.40 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

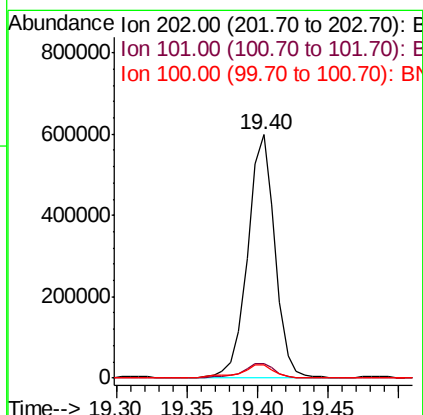
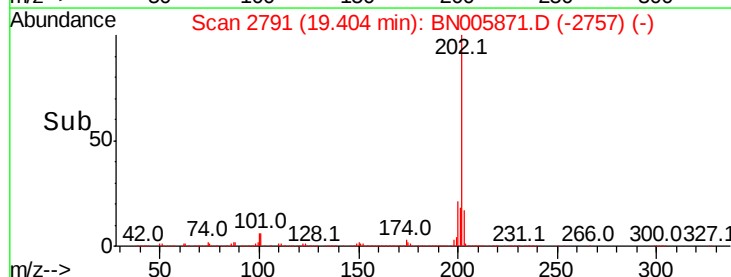
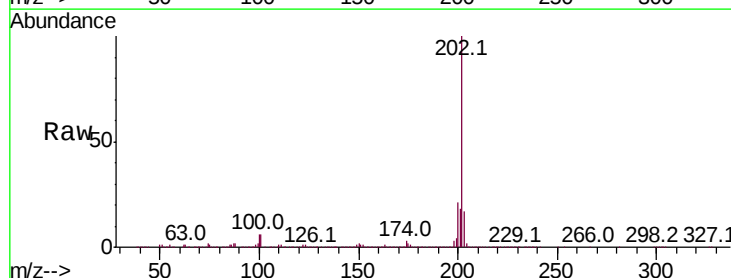
Tgt Ion:202 Resp: 807470

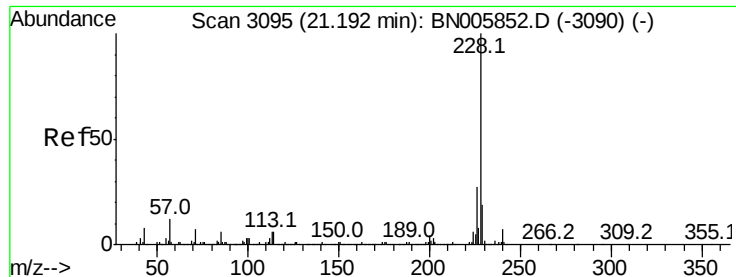
Ion Ratio Lower Upper

202 100

101 6.2 10.3 15.5#

100 5.6 7.9 11.9#





#82

Benzo(a)anthracene

Concen: 11.213 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

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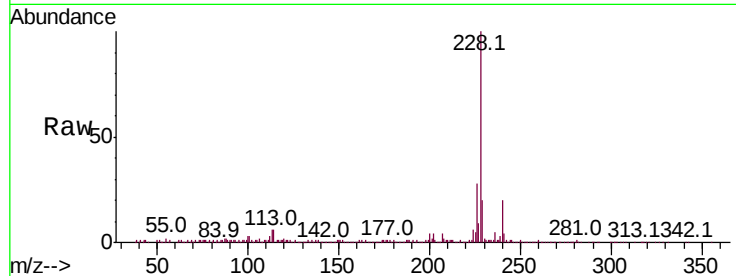
Tot Ion:228 Resp: 430607

Ion Ratio Lower Upper

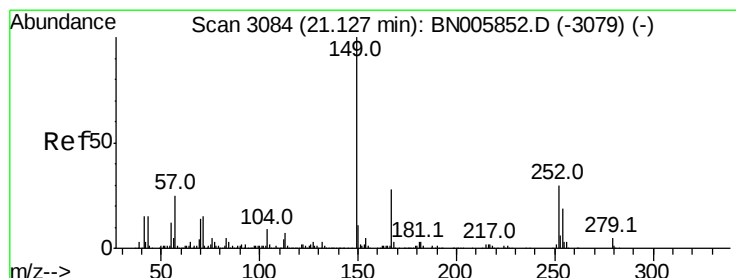
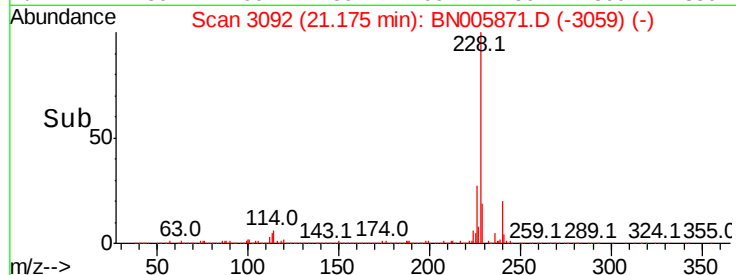
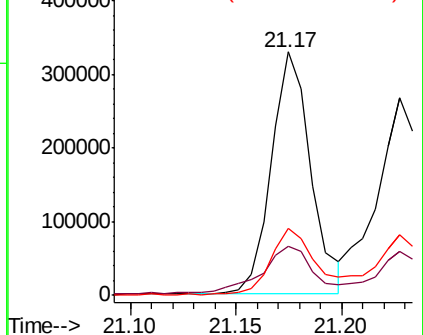
228 100

229 20.3 15.8 23.6

226 27.5 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



#83

Bis(2-ethylhexyl)phthalate

Concen: 12.936 ng/ul

RT: 21.11 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

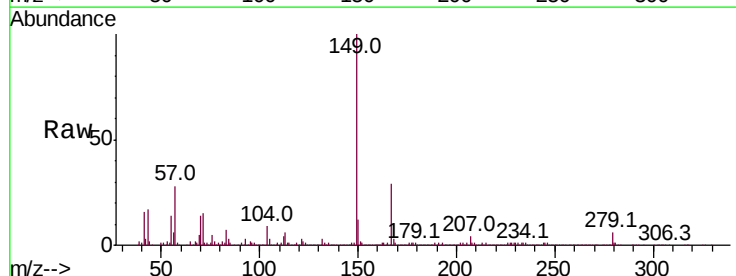
Tgt Ion:149 Resp: 281468

Ion Ratio Lower Upper

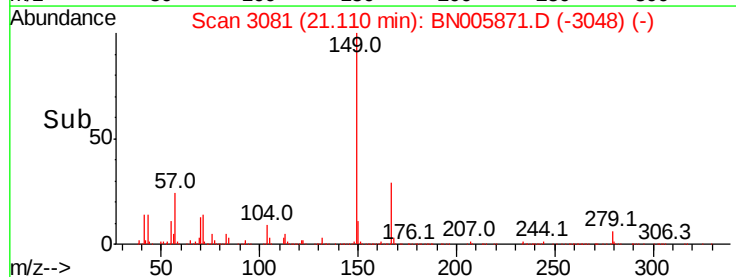
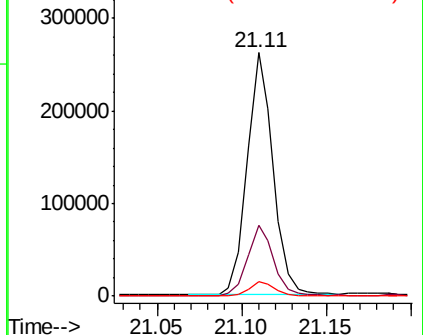
149 100

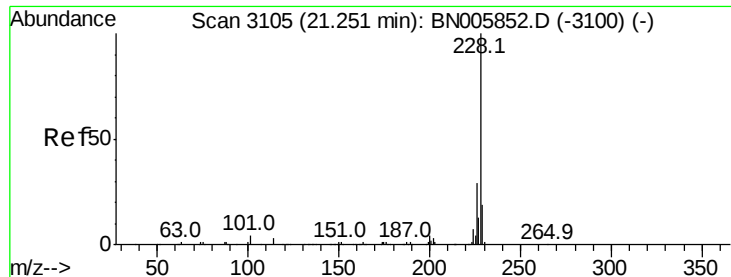
167 29.0 22.3 33.5

279 5.7 3.3 4.9#



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: 10.459 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

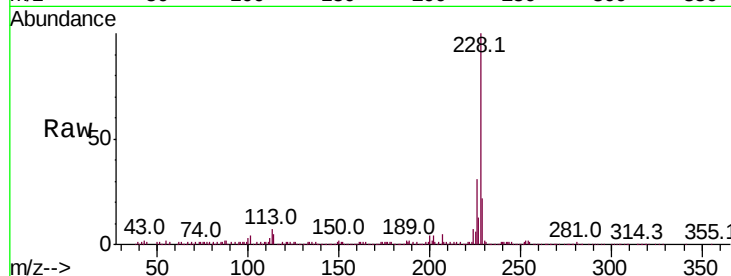
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 378629

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	22.1	15.4	23.0

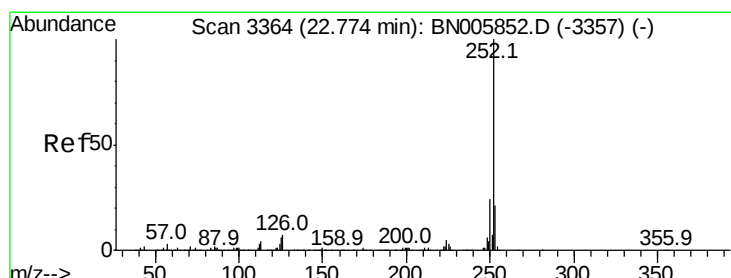
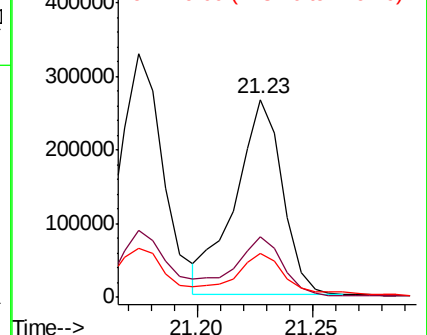
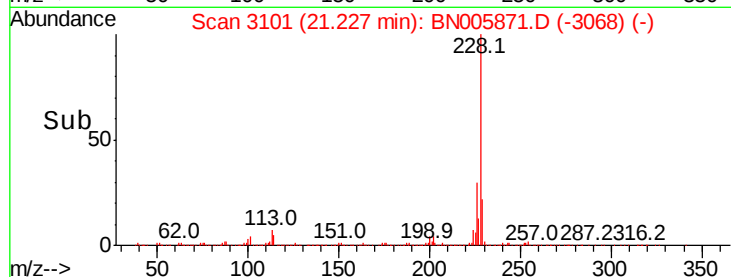


Abundance

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: 14.000 ng/ul

RT: 22.75 min Scan# 3359

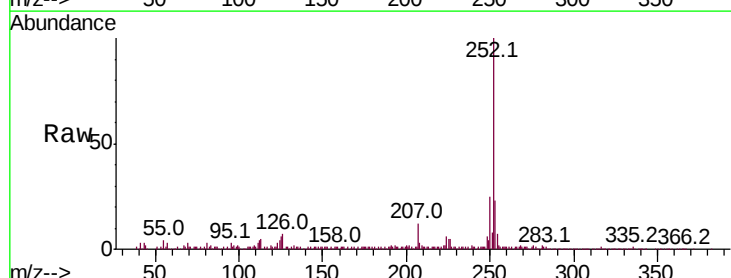
Delta R.T. 0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Tgt Ion:252 Resp: 449335

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	6.2	8.4	12.6

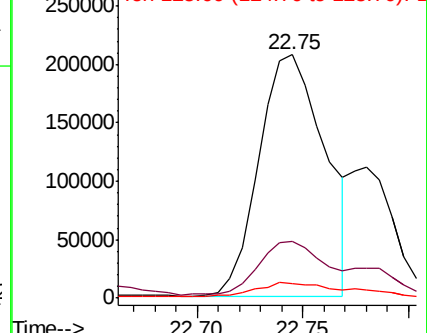
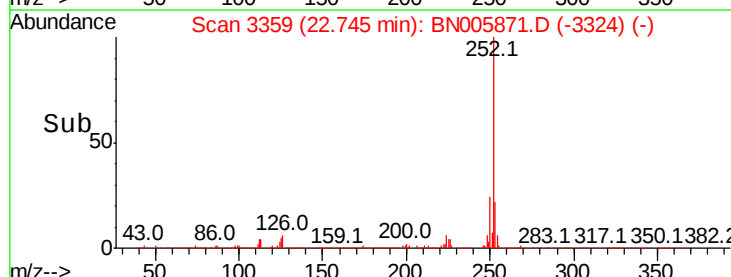


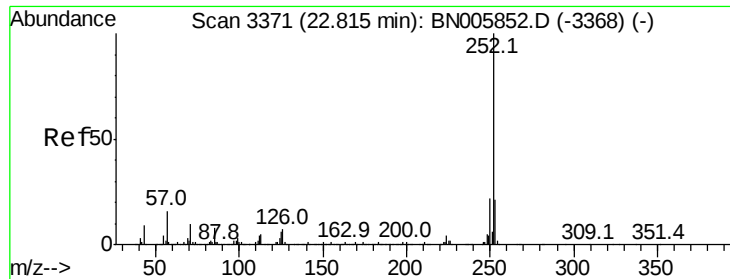
Abundance

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: 14.469 ng/ul

RT: 22.75 min Scan# 3359

Delta R.T. -0.04 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Instrument :

BNA_N

ClientSampleId :

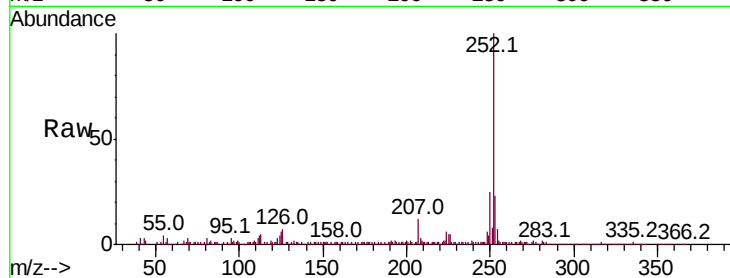
Tot Ion:252 Resp: 449335

Ion Ratio Lower Upper

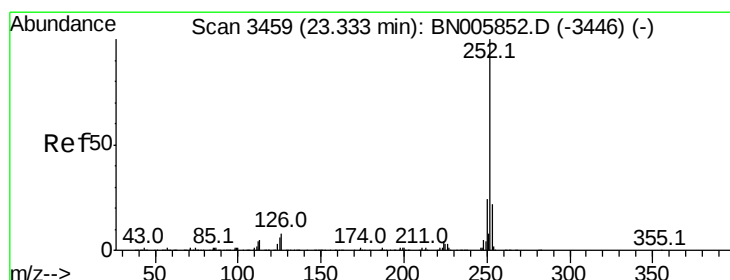
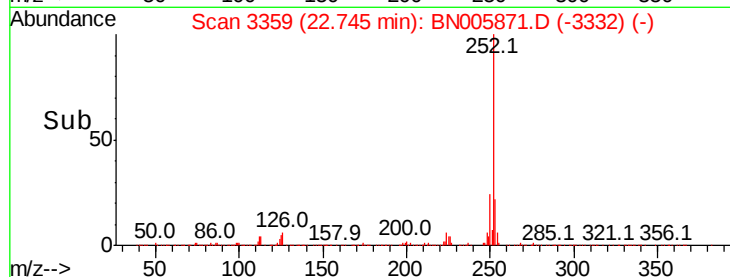
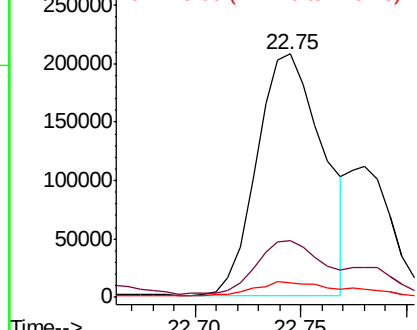
252 100

253 23.2 17.4 26.0

125 6.2 7.5 11.3#



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: 6.910 ng/ul

RT: 23.20 min Scan# 3437

Delta R.T. -0.09 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

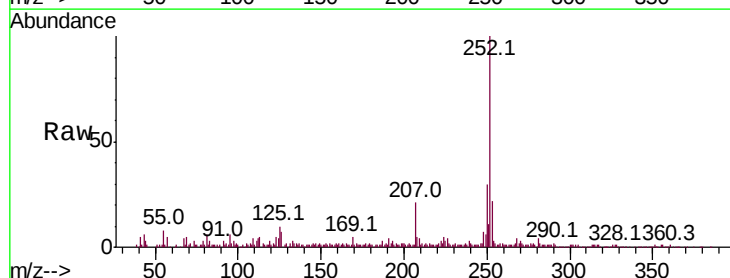
Tgt Ion:252 Resp: 214742

Ion Ratio Lower Upper

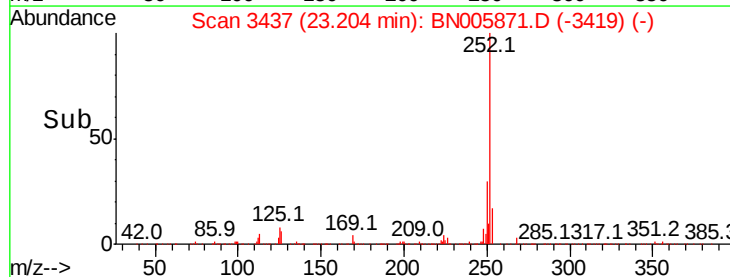
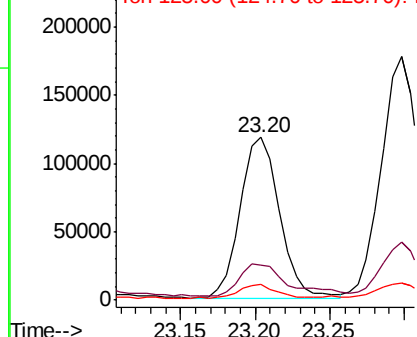
252 100

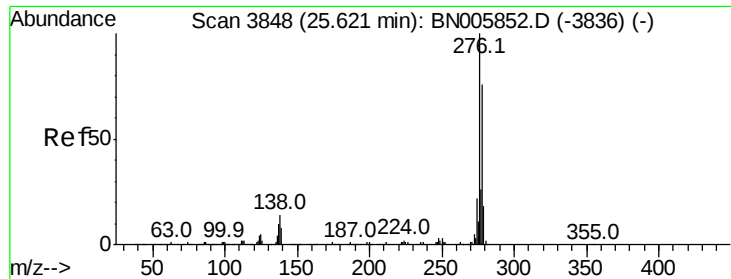
253 21.8 17.3 25.9

125 9.7 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



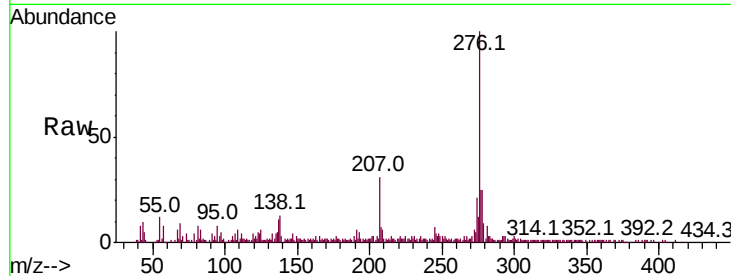


#91

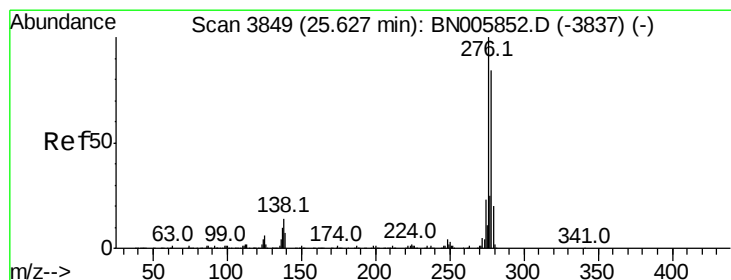
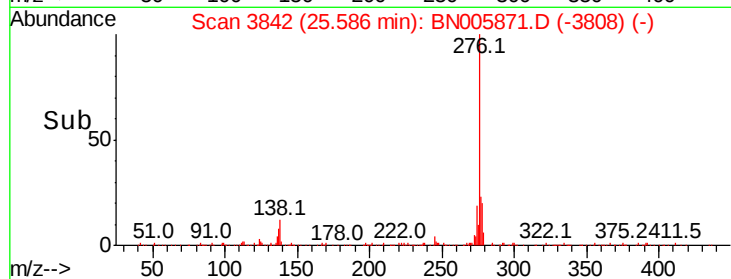
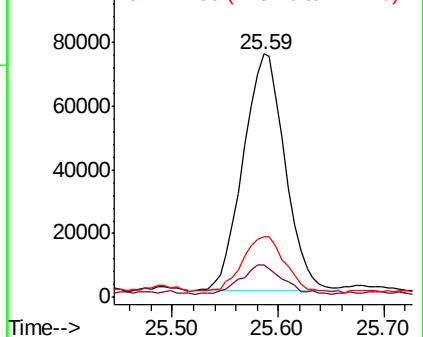
Indeno(1,2,3-cd)pyrene
Concen: 5.369 ng/ul
RT: 25.59 min Scan# 3842
Delta R.T. -0.00 min
Lab File: BN005871.D
Acq: 23 May 2019 03:32

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 203991
Ion Ratio Lower Upper
276 100
138 13.4 17.9 26.9#
277 25.1 19.7 29.5



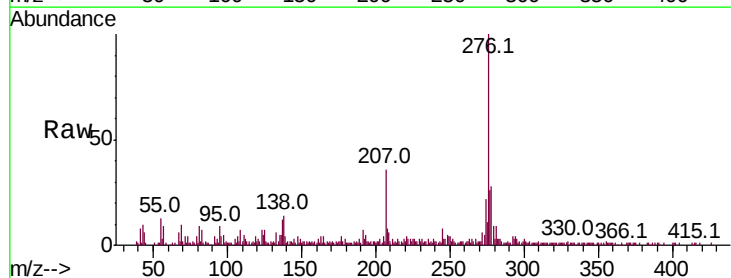
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



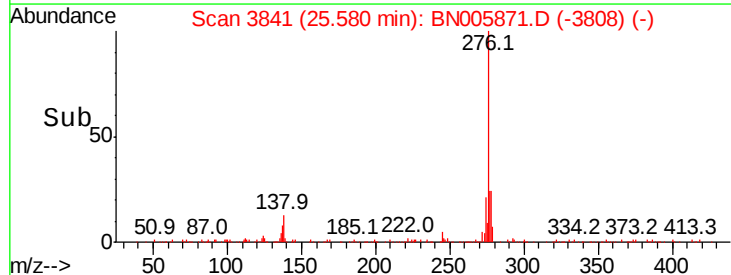
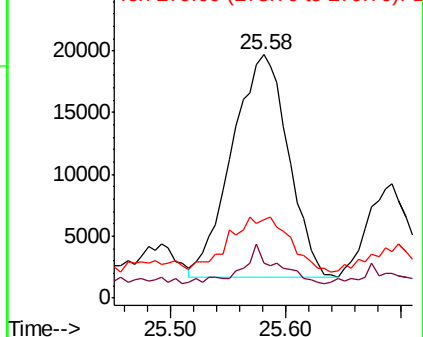
#92

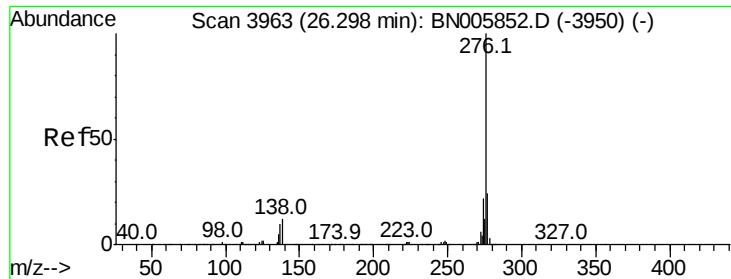
Dibenzo(a,h)anthracene
Concen: 1.911 ng/ul
RT: 25.58 min Scan# 3841
Delta R.T. -0.01 min
Lab File: BN005871.D
Acq: 23 May 2019 03:32

Tgt Ion:278 Resp: 61119
Ion Ratio Lower Upper
278 100
139 14.5 13.1 19.7
279 32.5 19.4 29.0#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 5.106 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. 0.00 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Instrument :

BNA_N

ClientSampleId :

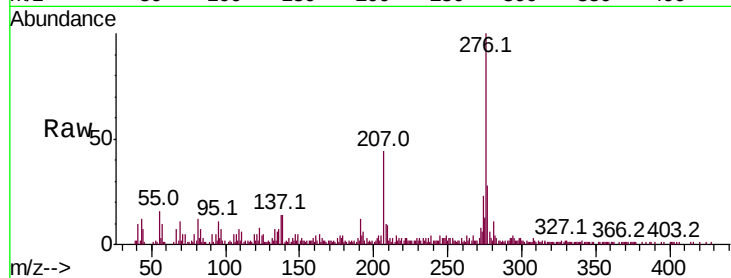
Tot Ion:276 Resp: 162170

Ion Ratio Lower Upper

276 100

138 13.6 16.7 25.1#

277 28.1 18.2 27.2#



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

