

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
 Data File : BN005867.D
 Acq On : 23 May 2019 01:13
 Operator : JU/SJ
 Sample : K2925-21
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 23 05:08:43 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	84316	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	372616	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	263613	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	708769	20.00	ng/ul	0.00
77) Chrysene-d12	21.19	240	872394	20.00	ng/ul	0.00
85) Perylene-d12	23.39	264	1003140	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	4457	2.96	ng/uL	0.00
5) Phenol-d5	6.76	99	70586	10.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	49222	14.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	67017	12.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	52381	9.40	ng/ul	0.01
19) Nitrobenzene-d5	8.72	128	34954	12.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	35355	11.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	54353	9.12	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	41608	6.29	ng/ul	0.03
43) Dimethylphthalate-d6	13.62	166	294653	14.53	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	338619	13.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	2521	0.88	ng/ul	0.06
57) Fluorene-d10	15.20	176	264018	15.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	17709	4.16	ng/ul	0.02
70) Anthracene-d10	17.06	188	420027	13.72	ng/ul	0.00
78) Pyrene-d10	19.37	212	546732	12.72	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	602868	13.40	ng/ul	0.00

Target Compounds

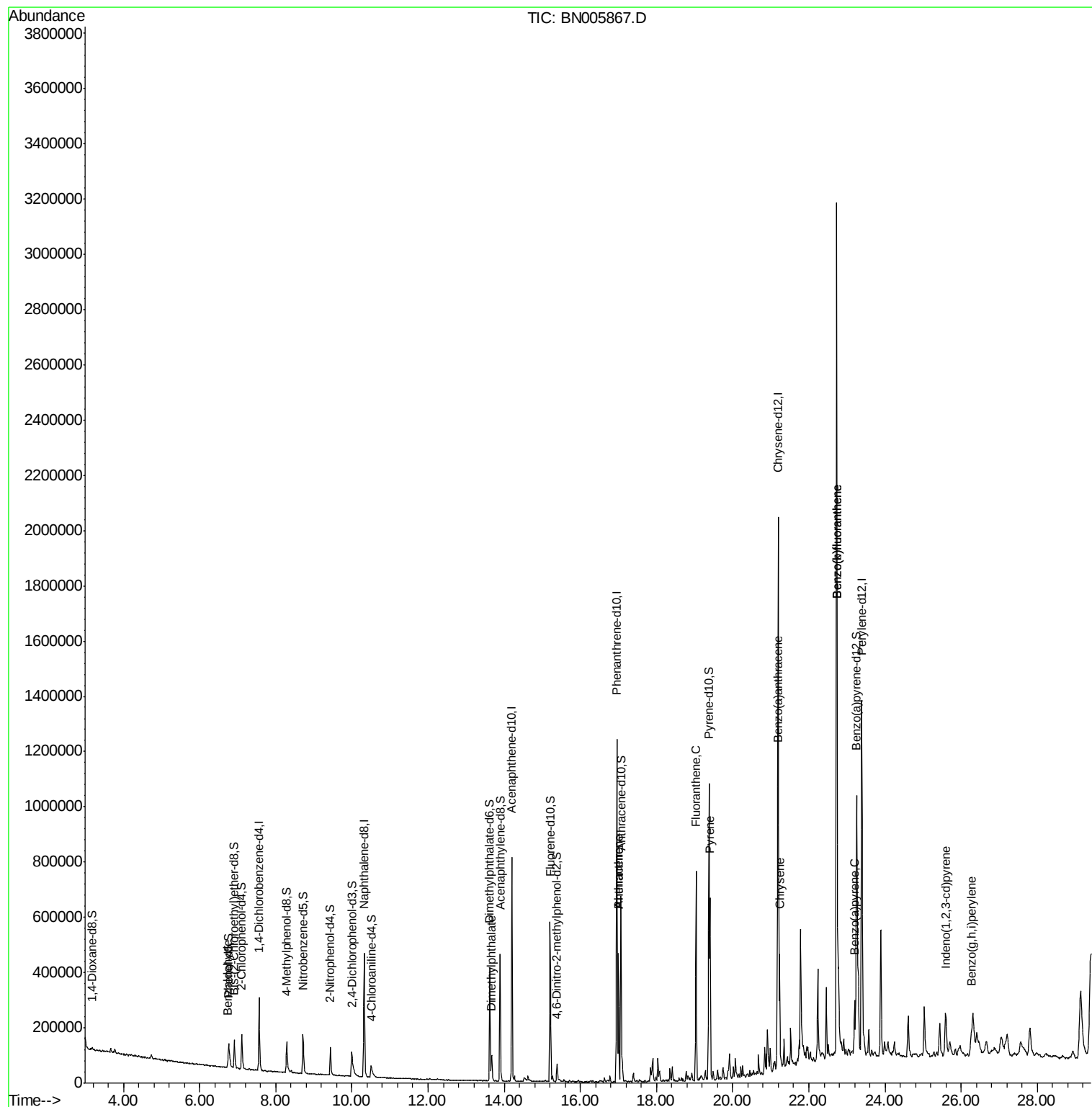
					Ovalue	
4) Benzaldehyde	6.74	77	5573	1.181	ng/ul	90
44) Dimethylphthalate	13.67	163	68764	3.438	ng/ul	100
69) Phenanthrene	17.00	178	280223	7.976	ng/ul	99
71) Anthracene	17.00	178	280223	7.833	ng/ul	99
76) Fluoranthene	19.04	202	459955	10.589	ng/ul#	88
79) Pyrene	19.40	202	409760	7.649	ng/ul#	86
82) Benzo(a)anthracene	21.17	228	234537	4.267	ng/ul	98
84) Chrysene	21.23	228	240469	4.641	ng/ul	99
87) Benzo(b)fluoranthene	22.75	252	317915	5.761	ng/ul#	94
88) Benzo(k)fluoranthene	22.75	252	317915	5.954	ng/ul#	95
90) Benzo(a)pyrene	23.20	252	139826	2.617	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.59	276	124726	1.909	ng/ul#	87
93) Benzo(g,h,i)perylene	26.26	276	102448	1.876	ng/ul#	90

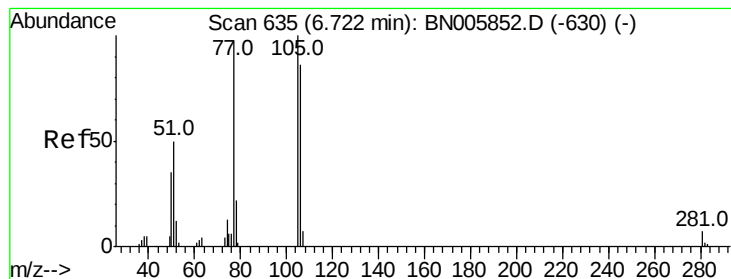
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.181 ng/ul

RT: 6.74 min Scan# 638

Delta R.T. 0.01 min

Lab File: BN005867.D

Acq: 23 May 2019 01:13

Instrument :

BNA_N

ClientSampleId :

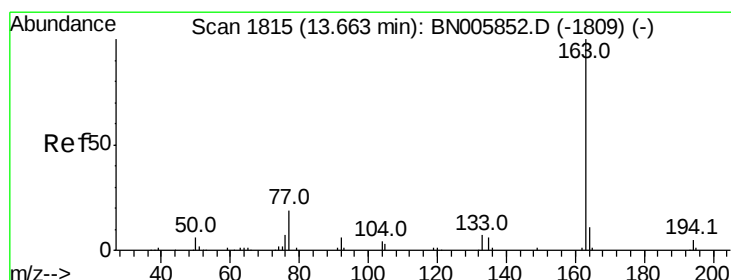
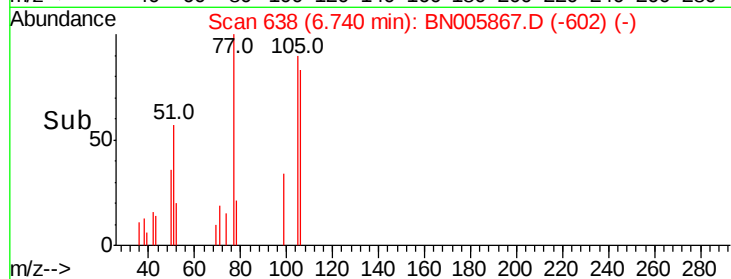
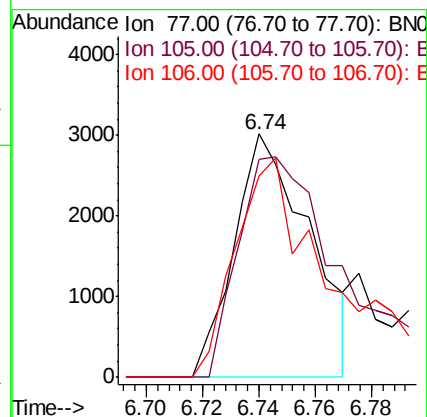
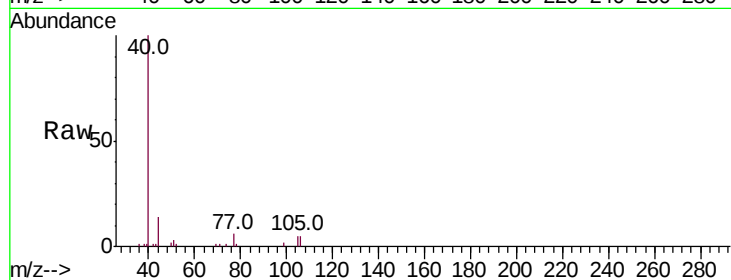
Tot Ion: 77 Resp: 5573

Ion Ratio Lower Upper

77 100

105 89.6 77.4 116.2

106 82.6 76.3 114.5



#44

Dimethylphthalate

Concen: 3.438 ng/ul

RT: 13.67 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BN005867.D

Acq: 23 May 2019 01:13

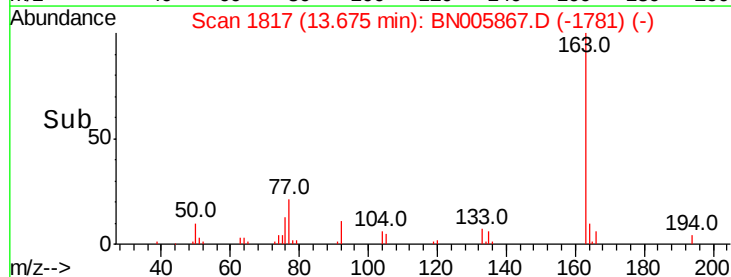
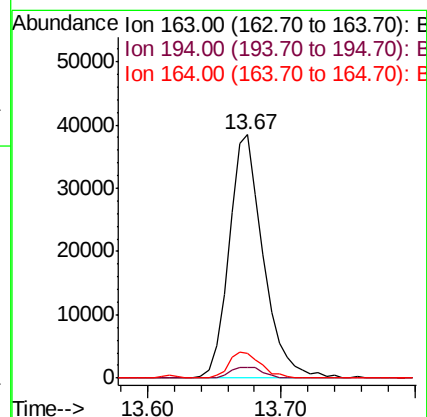
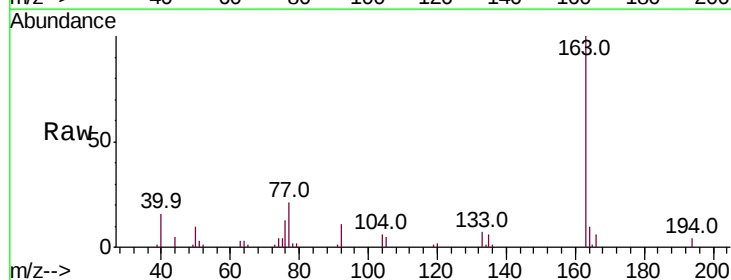
Tgt Ion: 163 Resp: 68764

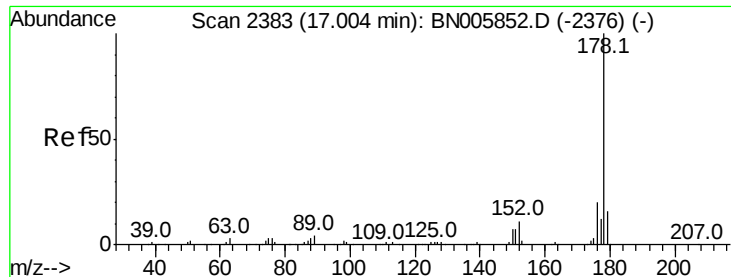
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

164 10.3 8.1 12.1





#69

Phenanthrene

Concen: 7.976 ng/ul

RT: 17.00 min Scan# 2382

Delta R.T. -0.01 min

Lab File: BN005867.D

Acq: 23 May 2019 01:13

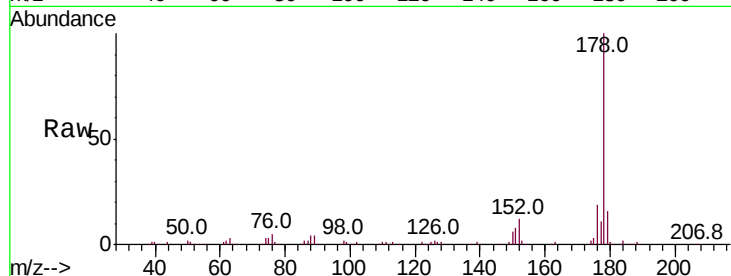
Instrument :

BNA_N

ClientSampled :

Tot Ion:178 Resp: 280223

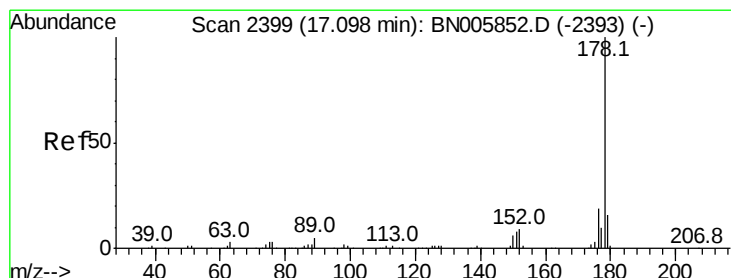
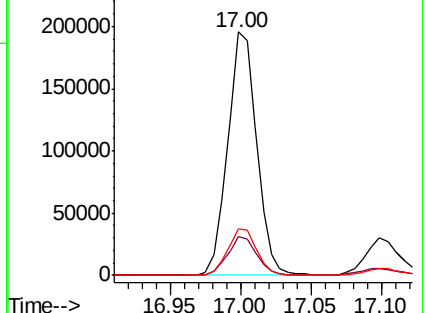
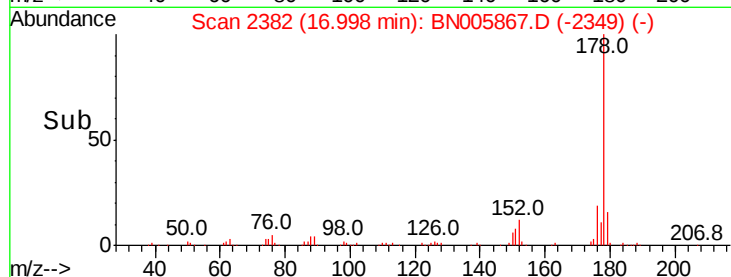
Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.2	18.4
176	19.4	15.1	22.7



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: 7.833 ng/ul

RT: 17.00 min Scan# 2382

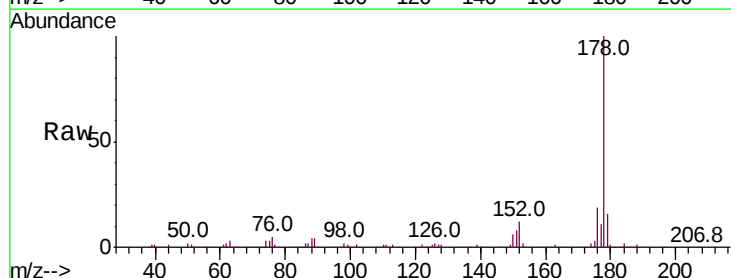
Delta R.T. -0.09 min

Lab File: BN005867.D

Acq: 23 May 2019 01:13

Tgt Ion:178 Resp: 280223

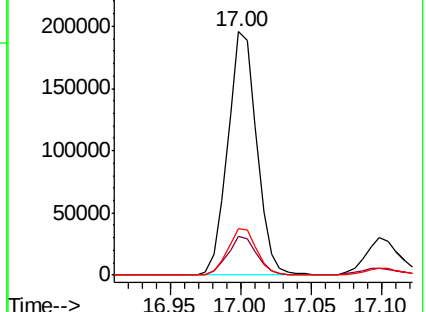
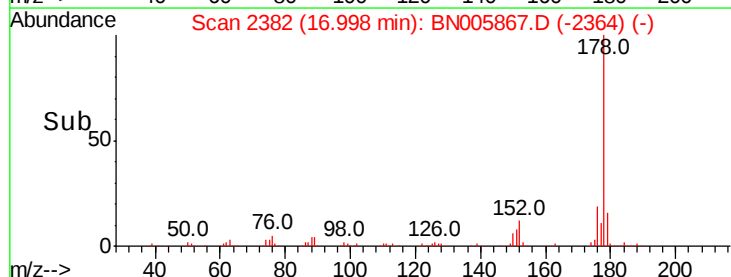
Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	19.4	15.1	22.7

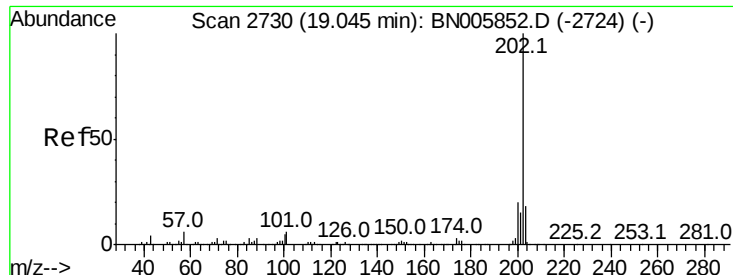


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 10.589 ng/ul

RT: 19.04 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BN005867.D

Acq: 23 May 2019 01:13

Instrument :

BNA_N

ClientSampleId :

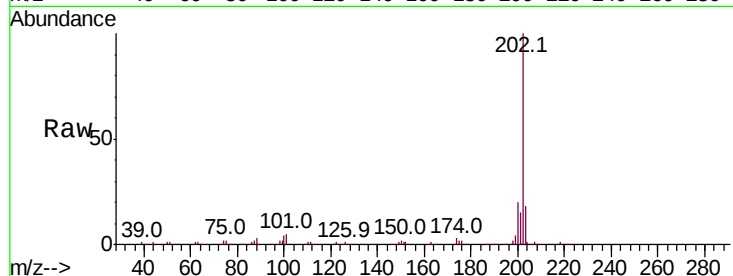
Tot Ion:202 Resp: 459955

Ion Ratio Lower Upper

202 100

101 5.3 8.6 12.8#

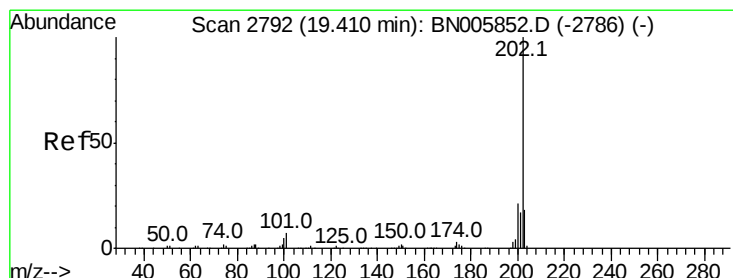
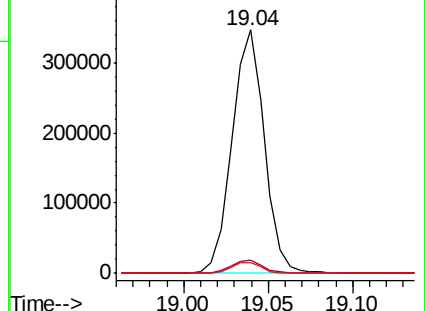
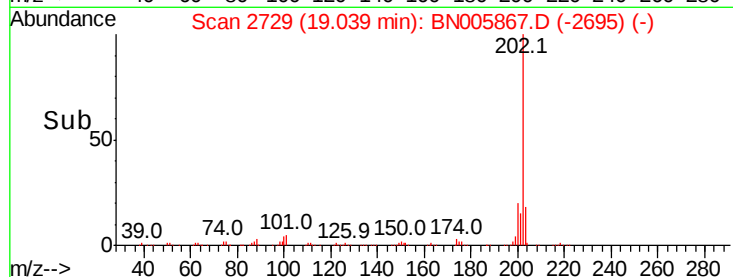
100 4.4 6.3 9.5#



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



#79

Pyrene

Concen: 7.649 ng/ul

RT: 19.40 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BN005867.D

Acq: 23 May 2019 01:13

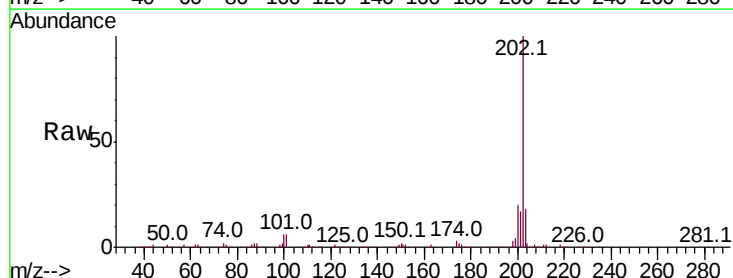
Tgt Ion:202 Resp: 409760

Ion Ratio Lower Upper

202 100

101 6.4 10.3 15.5#

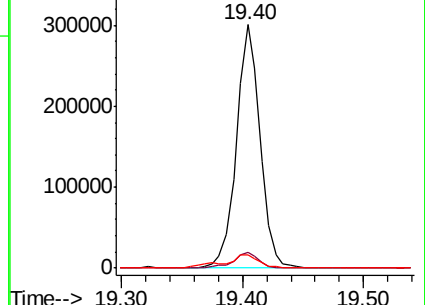
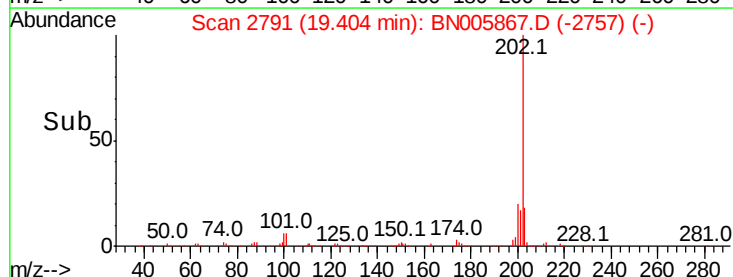
100 5.5 7.9 11.9#

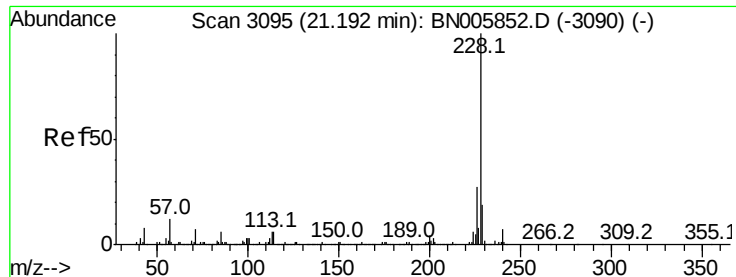


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

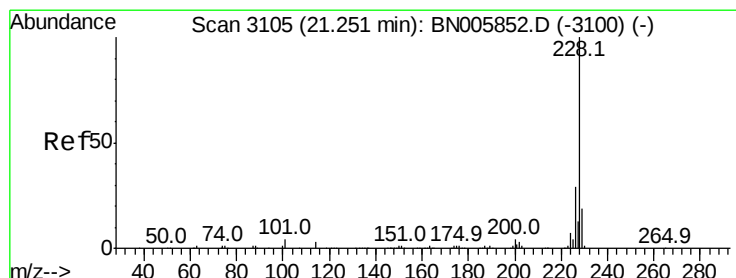
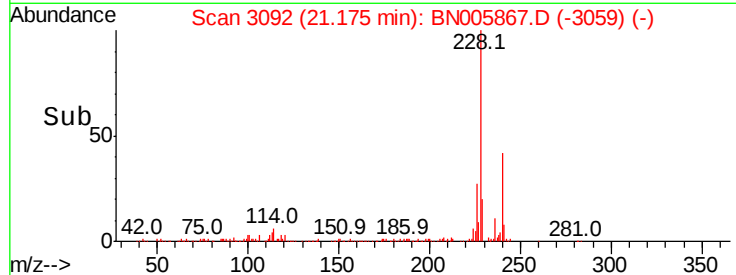
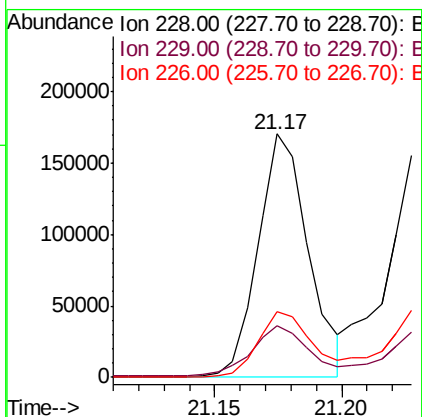
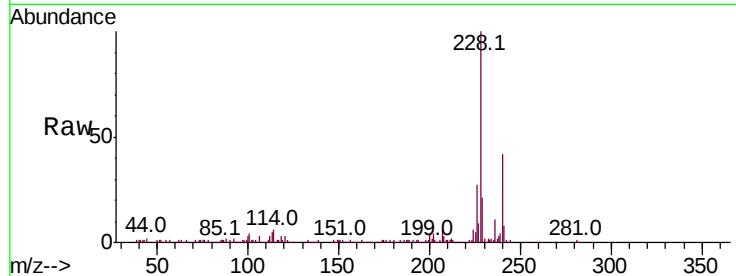




#82
Benzo(a)anthracene
Concen: 4.267 ng/ul
RT: 21.17 min Scan# 3092
Delta R.T. -0.01 min
Lab File: BN005867.D
Acq: 23 May 2019 01:13

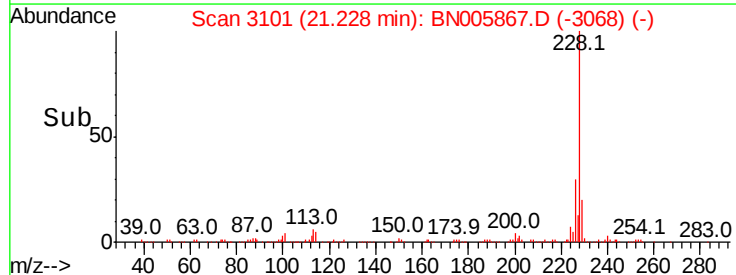
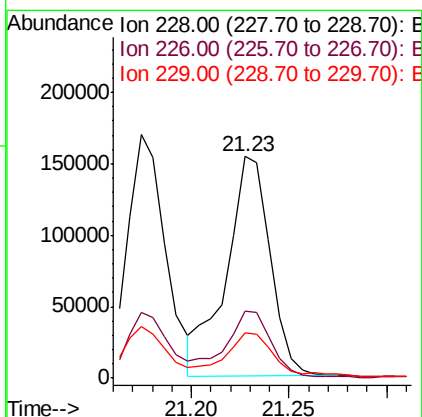
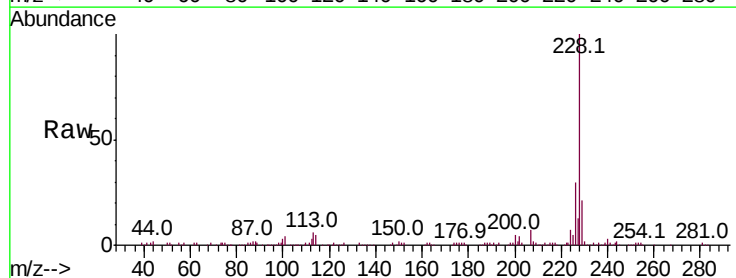
Instrument :
BNA_N
ClientSampleId :

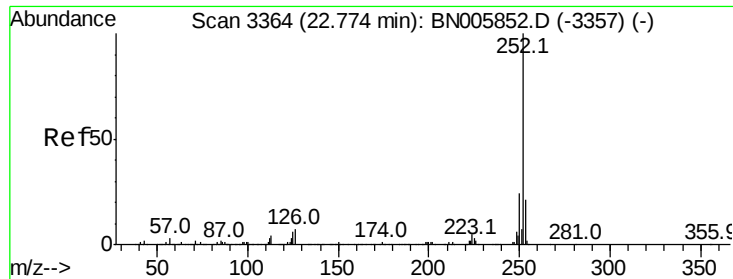
Tot Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.8	23.6
226	27.2	21.4	32.2



#84
Chrysene
Concen: 4.641 ng/ul
RT: 21.23 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BN005867.D
Acq: 23 May 2019 01:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	20.5	15.4	23.0





#87

Benzo(b)fluoranthene

Concen: 5.761 ng/ul

RT: 22.75 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BN005867.D

Acq: 23 May 2019 01:13

Instrument :

BNA_N

ClientSampleId :

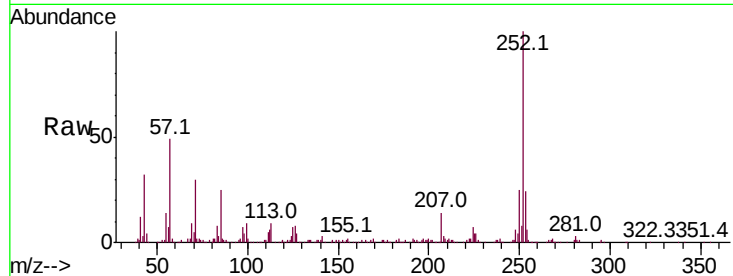
Tot Ion:252 Resp: 317915

Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

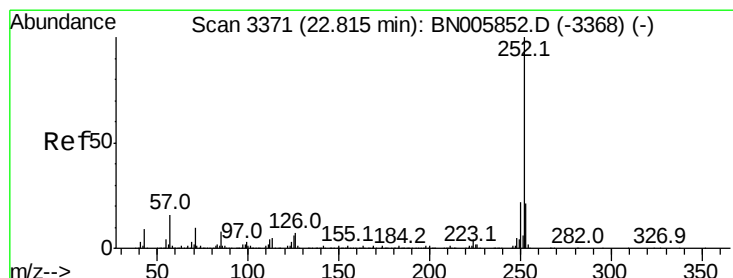
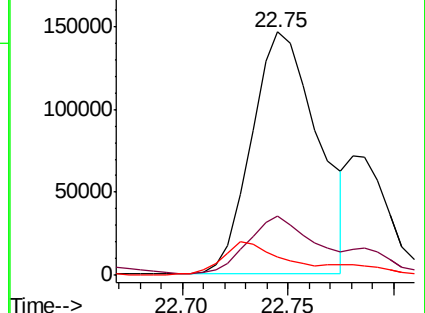
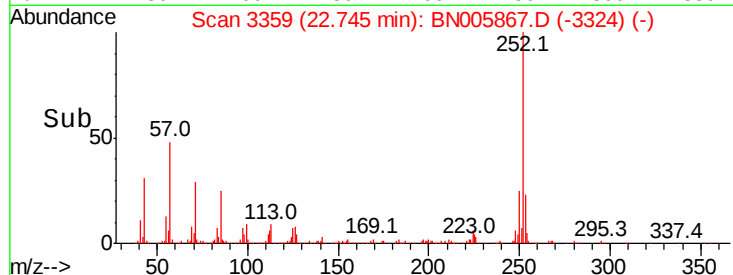
125 7.4 8.4 12.6#



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: 5.954 ng/ul

RT: 22.75 min Scan# 3359

Delta R.T. -0.04 min

Lab File: BN005867.D

Acq: 23 May 2019 01:13

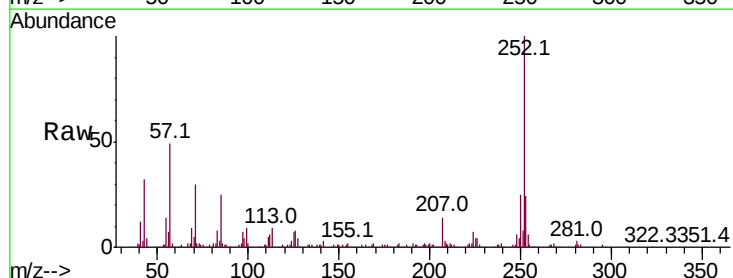
Tgt Ion:252 Resp: 317915

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

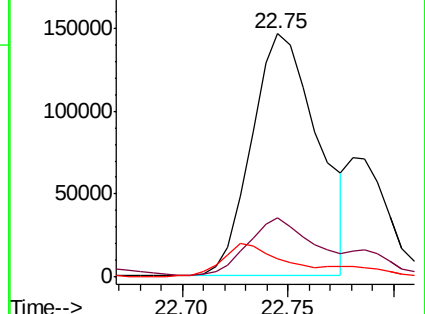
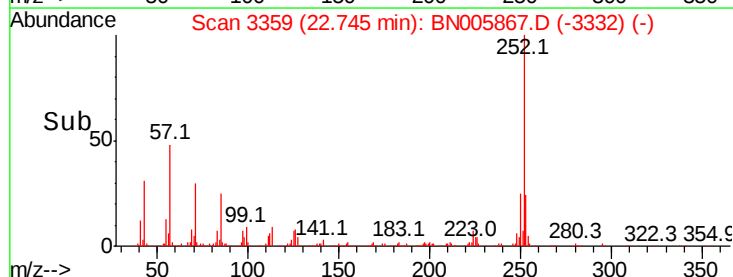
125 7.4 7.5 11.3#

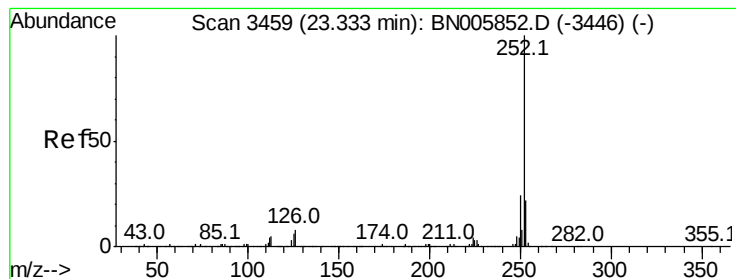


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.617 ng/ul

RT: 23.20 min Scan# 3437

Delta R.T. -0.09 min

Lab File: BN005867.D

Acq: 23 May 2019 01:13

Instrument :

BNA_N

ClientSampleId :

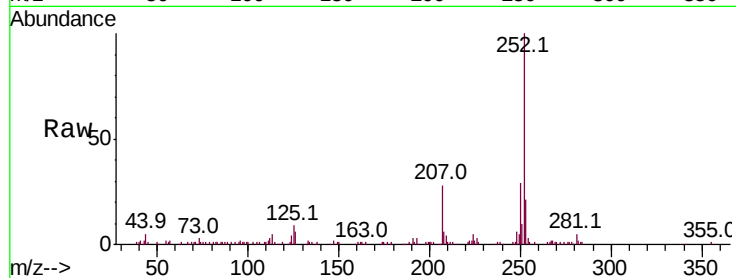
Tot Ion:252 Resp: 139826

Ion Ratio Lower Upper

252 100

253 21.1 17.3 25.9

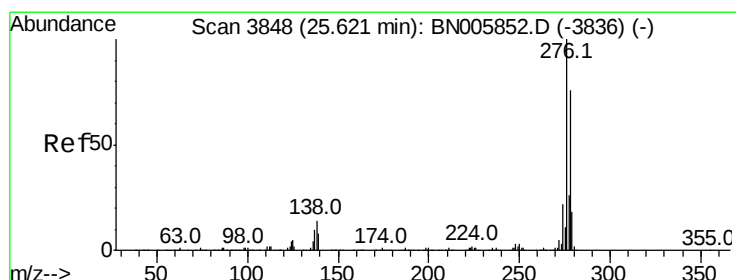
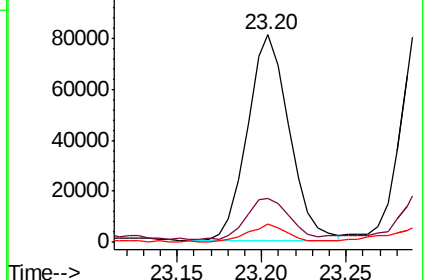
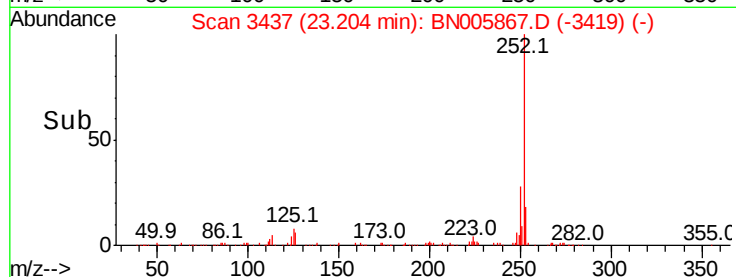
125 8.7 8.6 13.0



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: 1.909 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. 0.01 min

Lab File: BN005867.D

Acq: 23 May 2019 01:13

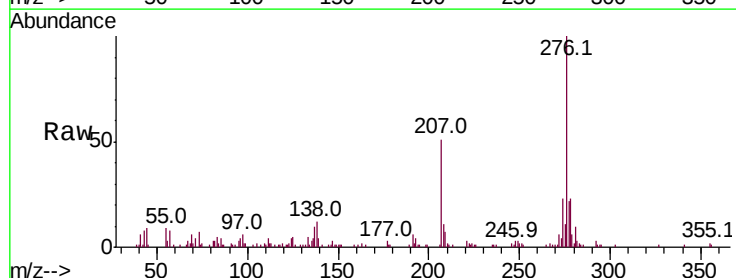
Tgt Ion:276 Resp: 124726

Ion Ratio Lower Upper

276 100

138 12.1 17.9 26.9#

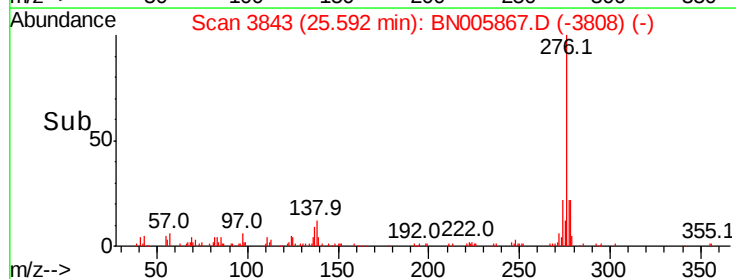
277 22.3 19.7 29.5



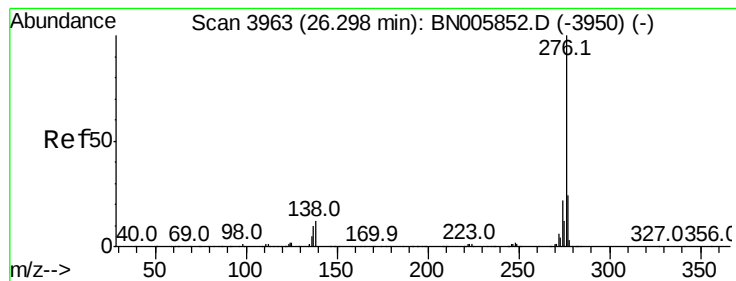
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#93

Benzo(a,h,i)perylene

Concen: 1.876 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. 0.01 min

Lab File: BN005867.D

Acq: 23 May 2019 01:13

Instrument :

BNA_N

ClientSampleId :

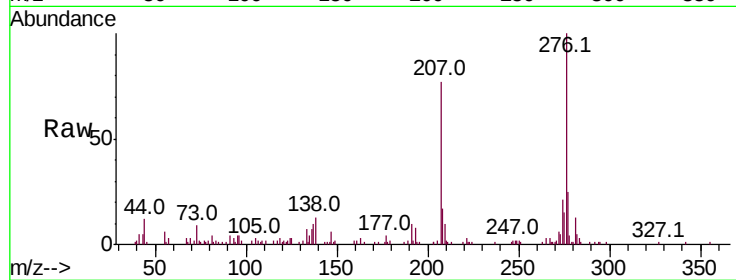
Tot Ion:276 Resp: 102448

Ion Ratio Lower Upper

276 100

138 13.3 16.7 25.1#

277 24.9 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

