

Data File : BN004296.D
Acq On : 29 Dec 2018 12:03
Operator : JU/SJ
Sample : J6428-11
Misc : GCMS Confirmation
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A41W3

Quant Time: Dec 30 22:16:58 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 28 03:12:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	27366	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	133924	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	91376	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.21	188	209084	20.00	ng/ul	0.00
77) Chrysene-d12	21.40	240	227663	20.00	ng/ul	0.00
85) Perylene-d12	23.72	264	212422	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	0.00	67	0	0.00	ng/ul	
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	0.00	113	0	0.00	ng/ul	
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
43) Dimethylphthalate-d6	0.00	166	0	0.00	ng/ul	
46) Acenaphthylene-d8	0.00	160	0	0.00	ng/ul	
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.45	176	249	0.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.21	188	209084	19.79	ng/ul	-0.10
78) Pyrene-d10	0.00	212	0	0.00	ng/ul	
89) Benzo(a)pyrene-d12	23.72	264	205409	17.82	ng/ul	0.15

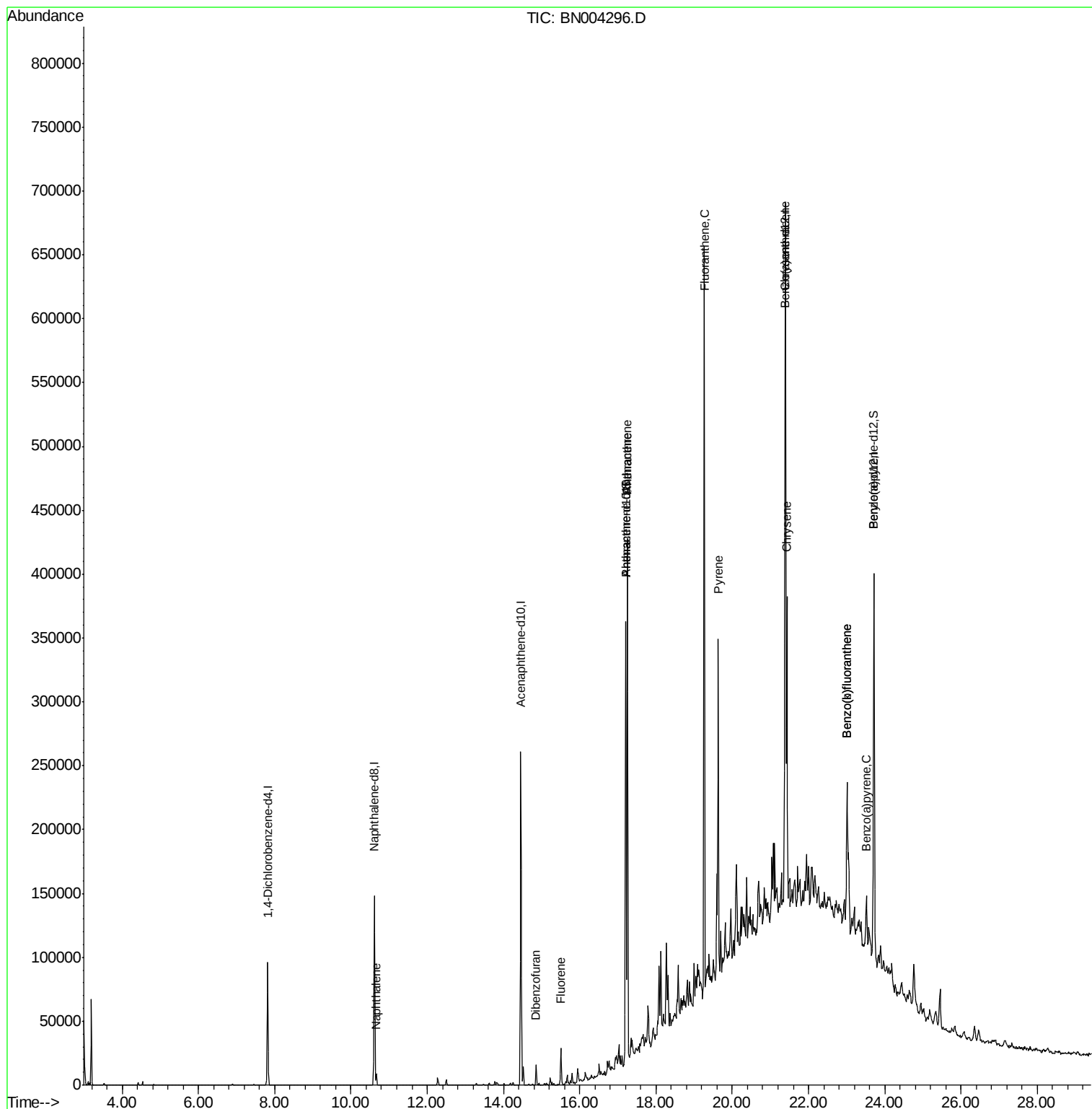
Target Compounds				Qvalue		
28) Naphthalene	10.66	128	9021	1.255	ng/ul	98
53) Dibenzofuran	14.86	168	12903	1.385	ng/ul	98
58) Fluorene	15.51	166	14438	1.861	ng/ul	99
69) Phenanthrene	17.25	178	245302	20.305	ng/ul	99
71) Anthracene	17.25	178	245302	19.809	ng/ul	99
76) Fluoranthene	19.27	202	331534	22.389	ng/ul	99
79) Pyrene	19.63	202	155551	12.230	ng/ul	100
82) Benzo(a)anthracene	21.38	228	104020	7.327	ng/ul	99
84) Chrysene	21.43	228	129325	9.726	ng/ul	100
87) Benzo(b)fluoranthene	23.01	252	87301	6.861	ng/ul#	93
88) Benzo(k)fluoranthene	23.01	252	87301	7.327	ng/ul#	93
90) Benzo(a)pyrene	23.52	252	16502	1.347	ng/ul#	82

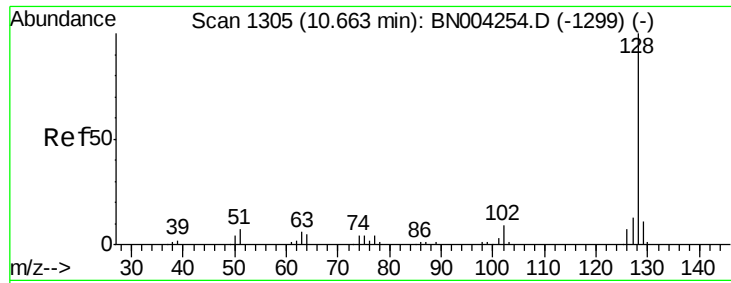
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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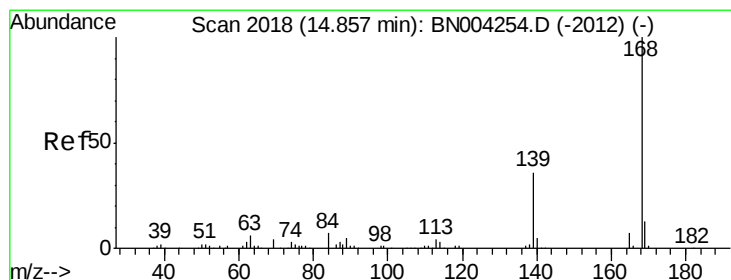
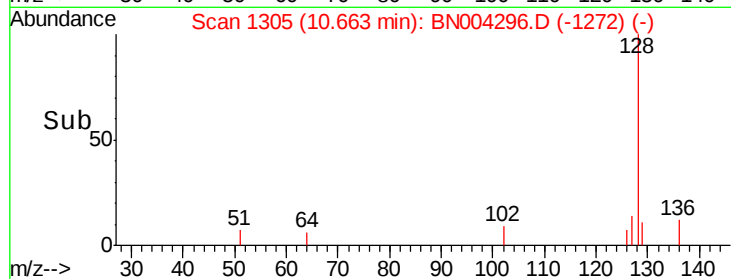
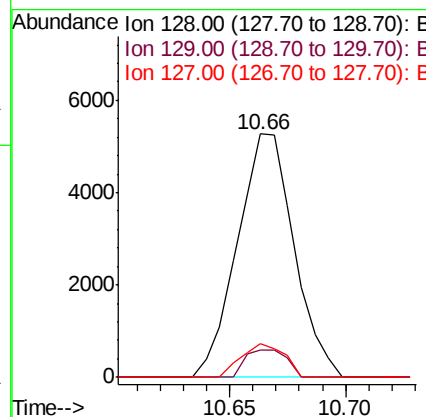
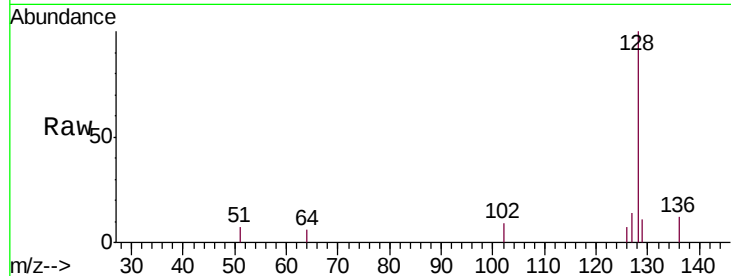




#28
Naphthalene
Concen: 1.255 ng/ul
RT: 10.66 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BN004296.D
Acq: 29 Dec 2018 12:03

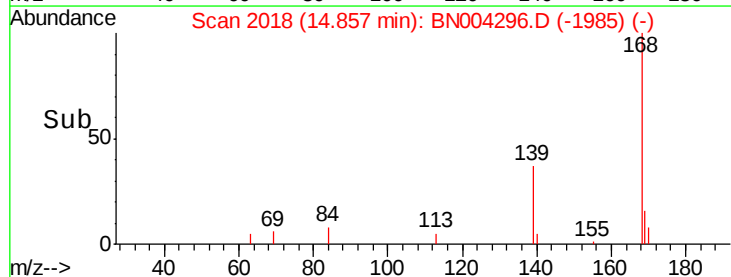
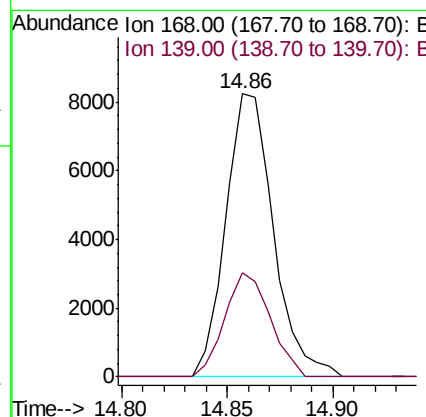
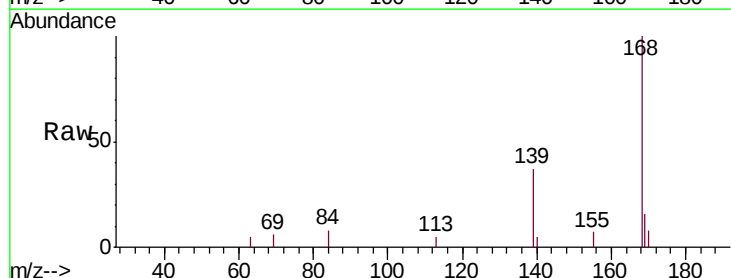
Instrument :
BNA_N
ClientSampleId :
A41W3

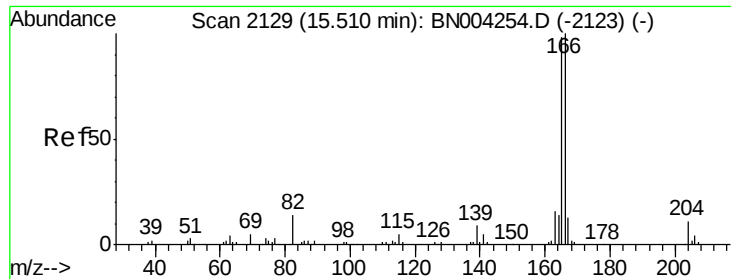
Tgt Ion:128 Resp: 9021
Ion Ratio Lower Upper
128 100
129 11.4 8.6 12.8
127 14.0 10.6 16.0



#53
Dibenzofuran
Concen: 1.385 ng/ul
RT: 14.86 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BN004296.D
Acq: 29 Dec 2018 12:03

Tgt Ion:168 Resp: 12903
Ion Ratio Lower Upper
168 100
139 37.0 28.8 43.2





#58

Fluorene

Concen: 1.861 ng/ul

RT: 15.51 min Scan# 2129

Delta R.T. -0.00 min

Lab File: BN004296.D

Acq: 29 Dec 2018 12:03

Instrument :

BNA_N

ClientSampleId :

A41W3

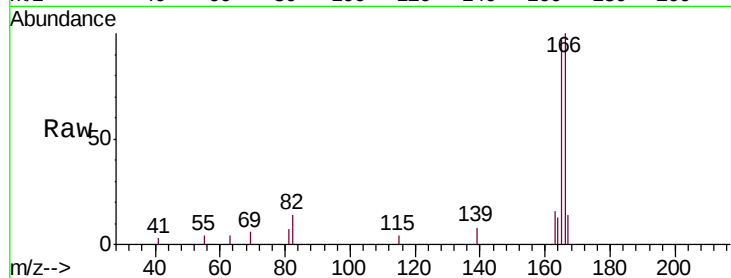
Tgt Ion:166 Resp: 14438

Ion Ratio Lower Upper

166 100

165 97.1 78.6 117.8

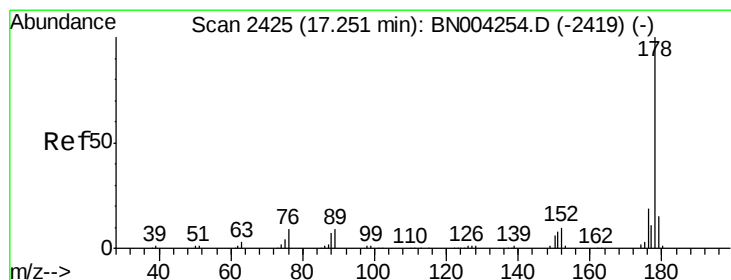
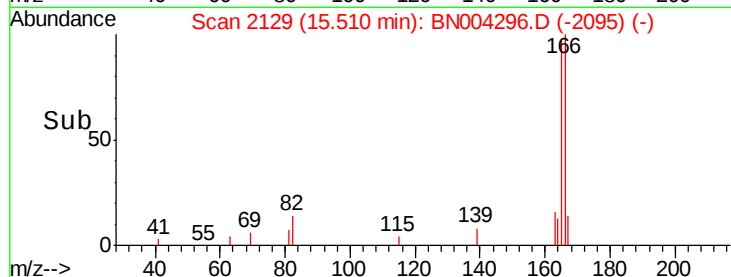
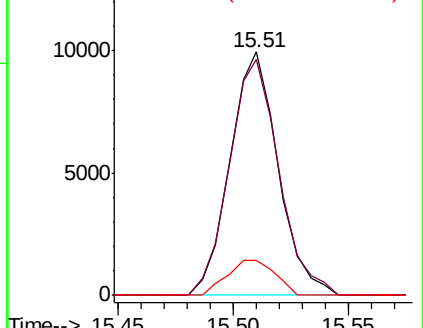
167 14.2 10.3 15.5



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: 20.305 ng/ul

RT: 17.25 min Scan# 2425

Delta R.T. -0.00 min

Lab File: BN004296.D

Acq: 29 Dec 2018 12:03

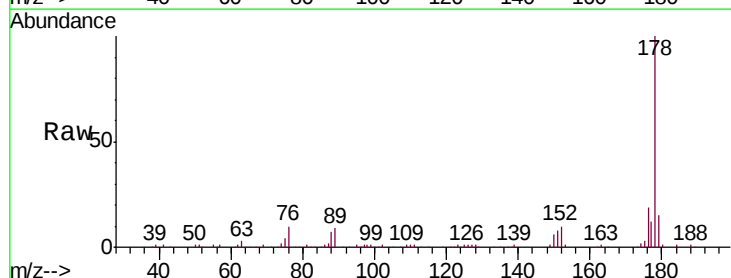
Tgt Ion:178 Resp: 245302

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

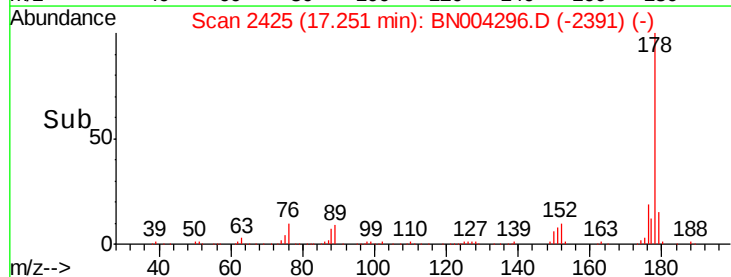
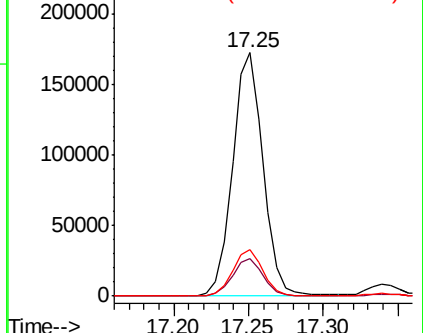
176 19.3 15.0 22.6

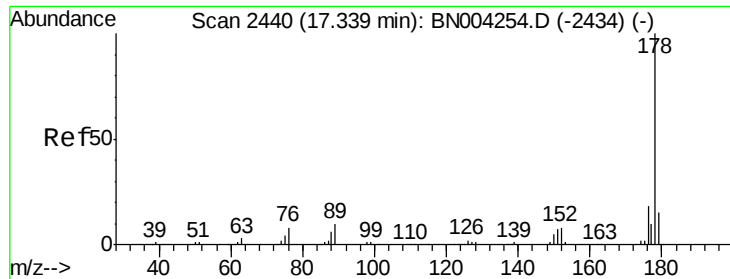


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

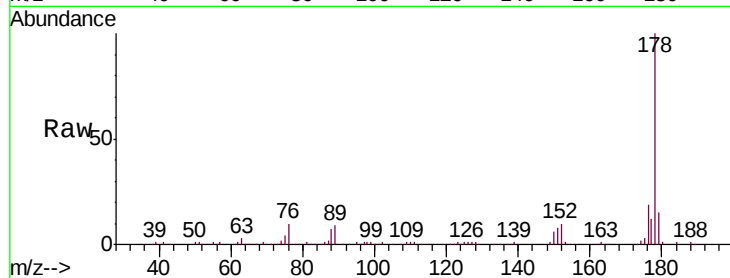




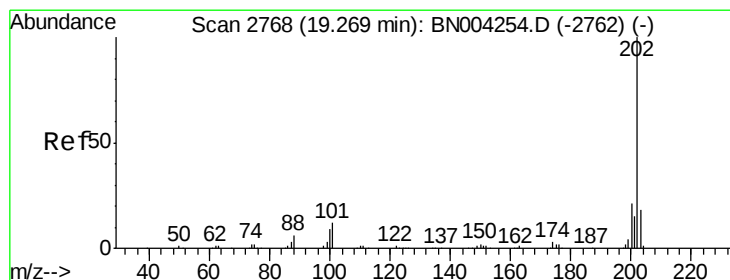
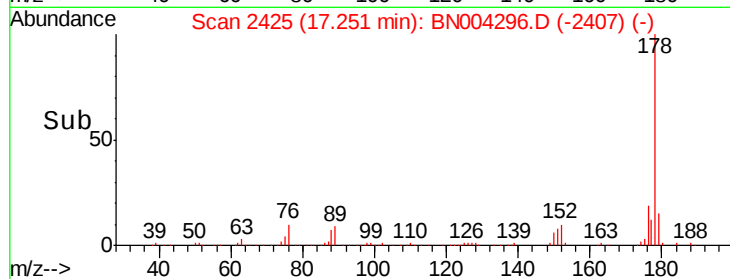
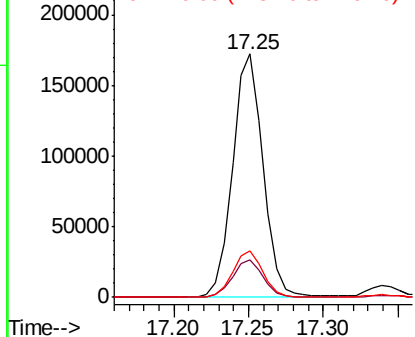
#71
 Anthracene
 Concen: 19.809 ng/ul
 RT: 17.25 min Scan# 2425
 Delta R.T. -0.09 min
 Lab File: BN004296.D
 Acq: 29 Dec 2018 12:03

Instrument :
 BNA_N
 ClientSampleId :
 A41W3

Tgt Ion:178 Resp: 245302
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.1 18.1
 176 19.3 15.2 22.8

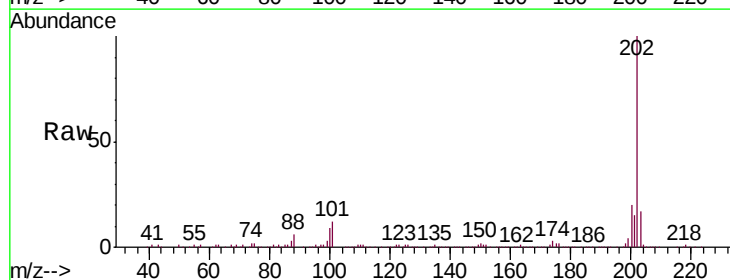


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

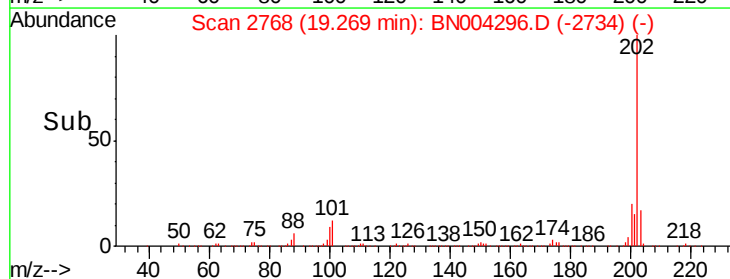
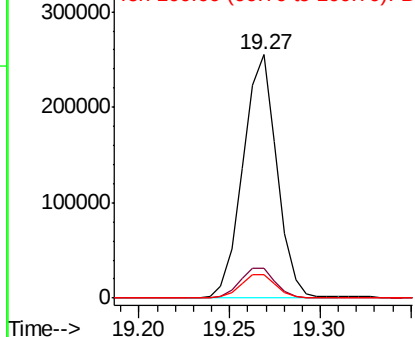


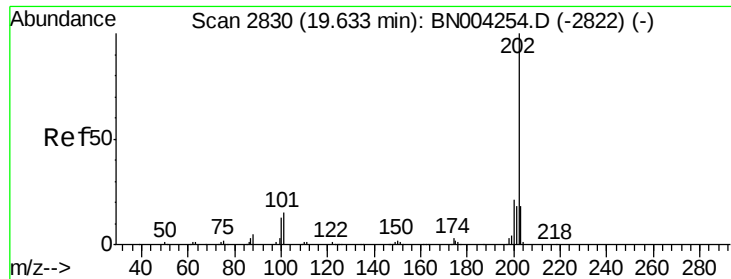
#76
 Fluoranthene
 Concen: 22.389 ng/ul
 RT: 19.27 min Scan# 2768
 Delta R.T. -0.00 min
 Lab File: BN004296.D
 Acq: 29 Dec 2018 12:03

Tgt Ion:202 Resp: 331534
 Ion Ratio Lower Upper
 202 100
 101 12.3 10.2 15.2
 100 9.4 7.8 11.8



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





#79

Pyrene

Concen: 12.230 ng/ul

RT: 19.63 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BN004296.D

Acq: 29 Dec 2018 12:03

Instrument :

BNA_N

ClientSampleId :

A41W3

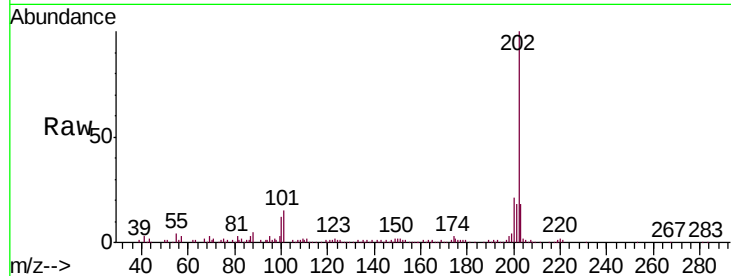
Tgt Ion:202 Resp: 155551

Ion Ratio Lower Upper

202 100

101 14.9 12.2 18.2

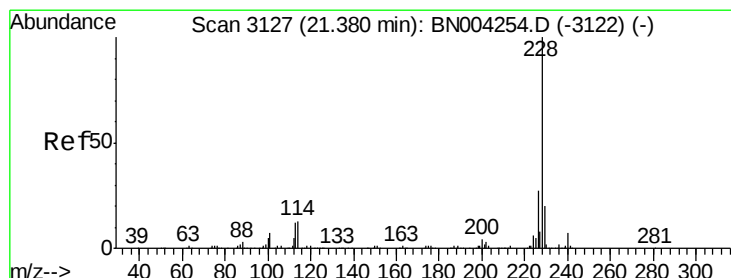
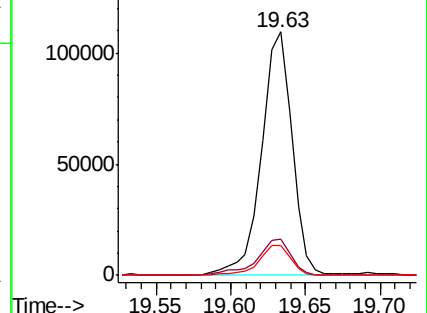
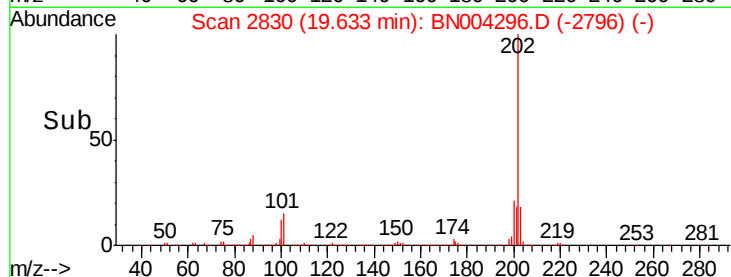
100 12.4 9.9 14.9



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: 7.327 ng/ul

RT: 21.38 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BN004296.D

Acq: 29 Dec 2018 12:03

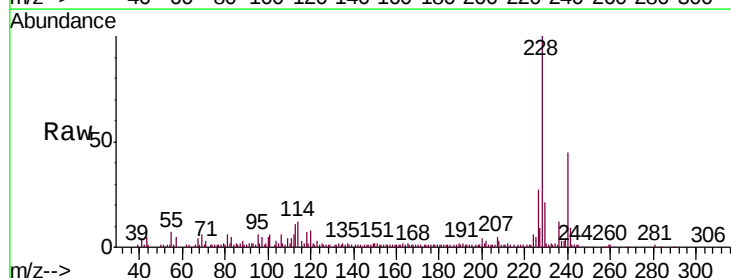
Tgt Ion:228 Resp: 104020

Ion Ratio Lower Upper

228 100

229 20.5 15.9 23.9

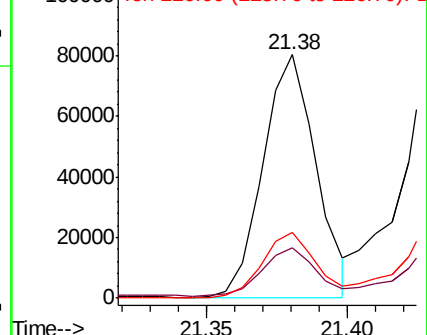
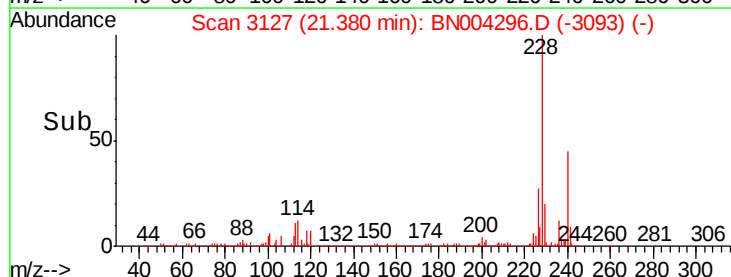
226 27.1 21.4 32.2

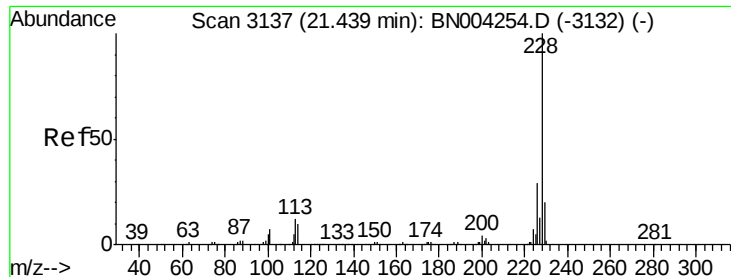


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 9.726 ng/ul

RT: 21.43 min Scan# 3136

Delta R.T. -0.00 min

Lab File: BN004296.D

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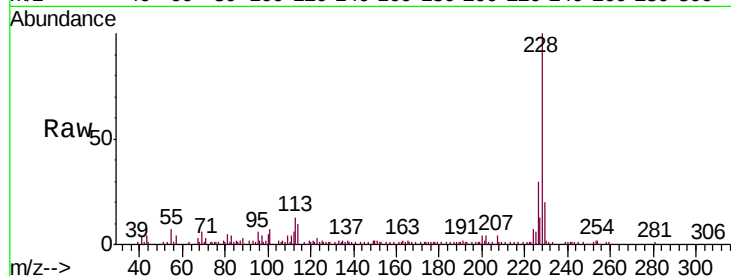
Tgt Ion:228 Resp: 129325

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

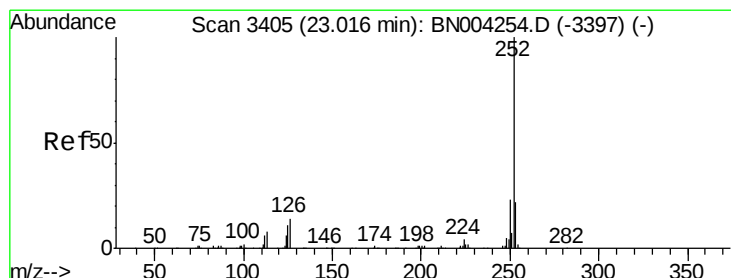
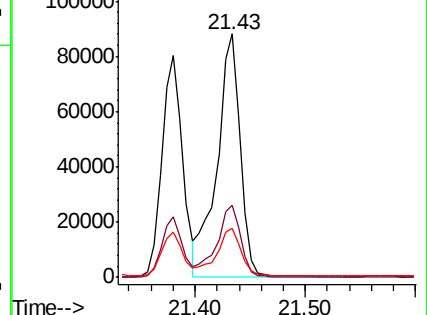
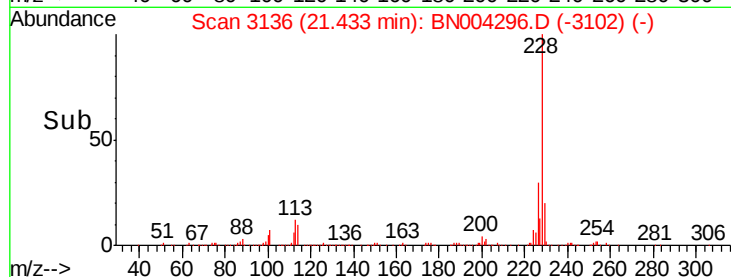
229 20.1 15.8 23.6



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: 6.861 ng/ul

RT: 23.01 min Scan# 3404

Delta R.T. -0.00 min

Lab File: BN004296.D

Acq: 29 Dec 2018 12:03

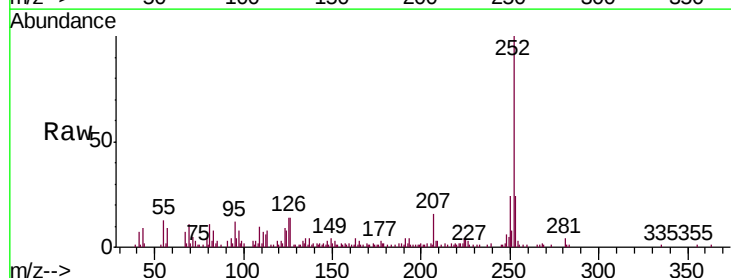
Tgt Ion:252 Resp: 87301

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

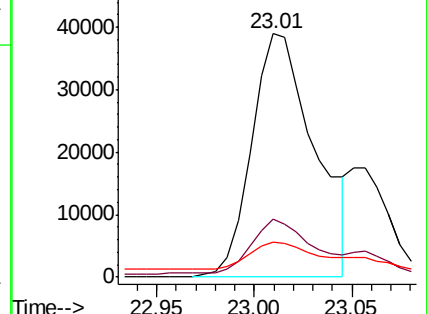
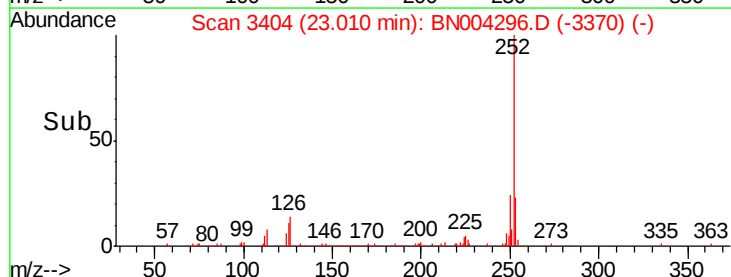
125 14.4 8.2 12.4#

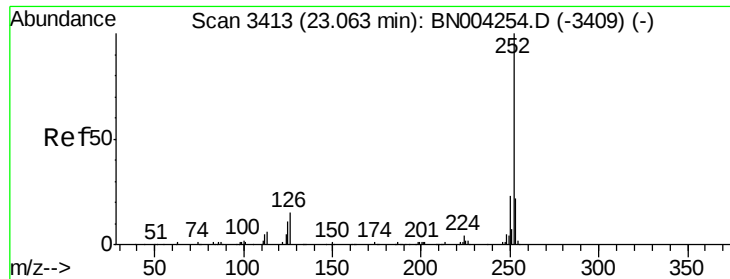


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 7.327 ng/ul

RT: 23.01 min Scan# 3404

Delta R.T. -0.05 min

Lab File: BN004296.D

Acq: 29 Dec 2018 12:03

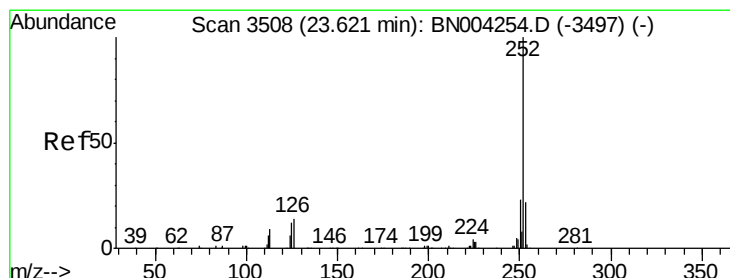
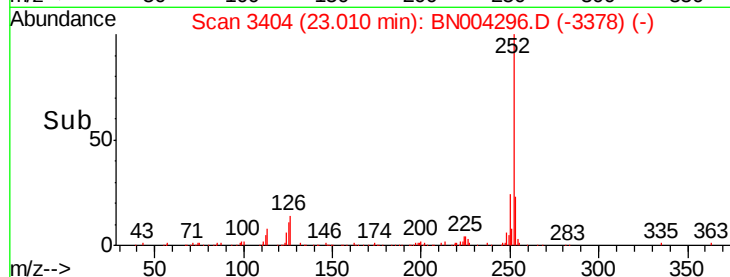
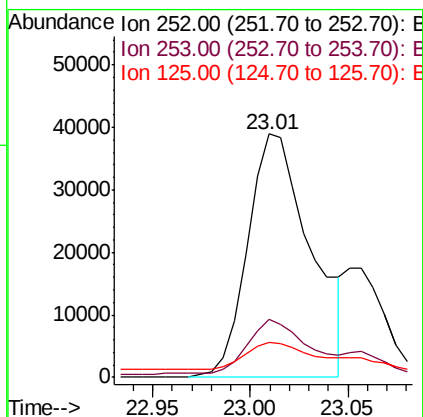
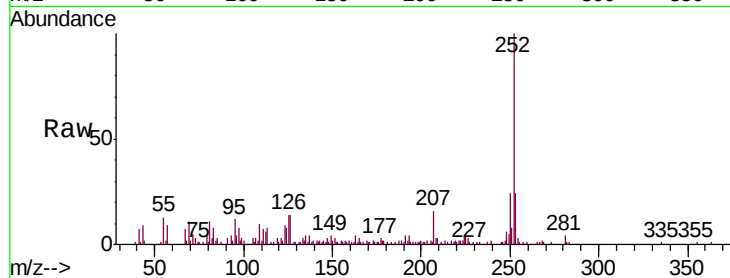
Instrument :

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Tgt Ion:	252	Resp:	87301
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	14.4	7.9	11.9#



#90

Benzo(a)pyrene

Concen: 1.347 ng/ul

RT: 23.52 min Scan# 3490

Delta R.T. -0.10 min

Lab File: BN004296.D

Acq: 29 Dec 2018 12:03

Tgt Ion:	252	Resp:	16502
Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	27.5	9.1	13.7#

