

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
 Data File : BN005575.D
 Acq On : 09 May 2019 20:35
 Operator : JU/SJ
 Sample : K2604-19 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ90

Manual Integrations
 APPROVED

Sohil
 5/10/2019 1:19:39 PM

Quant Time: May 10 01:59:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	295343	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1275326	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	791747	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1698514	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1133327	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	1235962	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	1712m	0.28	ng/uL	0.00
5) Phenol-d5	6.78	99	36030	1.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	21533	1.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	32226	1.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	29362	1.62	ng/ul	0.01
19) Nitrobenzene-d5	8.74	128	16490	2.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	13770	1.73	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.00	165	32212m	1.77	ng/ul	0.03
29) 4-Chloroaniline-d4	10.52	131	13329m	0.71	ng/ul	0.03
43) Dimethylphthalate-d6	13.64	166	114287	1.99	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	153244	2.17	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	10560m	1.16	ng/ul	0.05
57) Fluorene-d10	15.23	176	110646	2.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	514m	0.07	ng/ul	0.03
70) Anthracene-d10	17.08	188	166946	2.34	ng/ul	0.00
78) Pyrene-d10	19.40	212	150725	2.60	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	116723	2.16	ng/ul	0.02

Target Compounds

					Ovalue	
47) Acenaphthylene	13.95	152	1381459	19.914	ng/ul	98
58) Fluorene	15.30	166	71057	1.335	ng/ul#	51
69) Phenanthrene	17.03	178	149228	1.804	ng/ul	97
71) Anthracene	17.12	178	654352	7.765	ng/ul	99
76) Fluoranthene	19.06	202	3092973	33.710	ng/ul#	95
79) Pyrene	19.43	202	6096277	83.543	ng/ul#	94
82) Benzo(a)anthracene	21.21	228	2056041m	29.162	ng/ul	
84) Chrysene	21.26	228	1932235	29.529	ng/ul	98
87) Benzo(b)fluoranthene	22.79	252	2117639	30.480	ng/ul	97
88) Benzo(k)fluoranthene	22.82	252	503265m	7.584	ng/ul	
90) Benzo(a)pyrene	23.35	252	2010153	30.781	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.63	276	1001811	13.875	ng/ul#	92
92) Dibenzo(a,h)anthracene	25.63	278	326059	5.321	ng/ul#	88
93) Benzo(g,h,i)perylene	26.30	276	1013787	16.981	ng/ul#	93

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

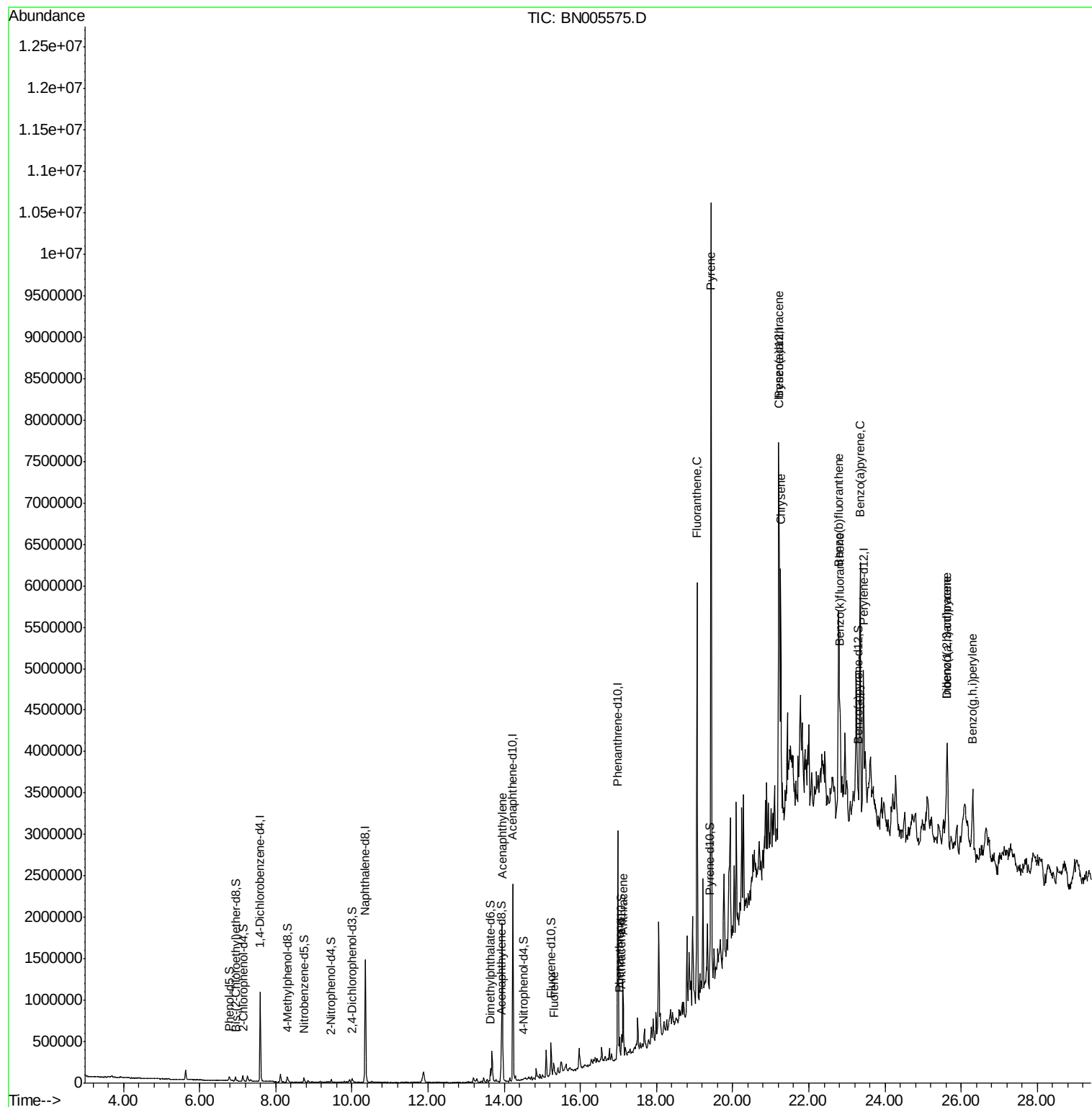
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005575.D
Acq On : 09 May 2019 20:35
Operator : JU/SJ
Sample : K2604-19 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

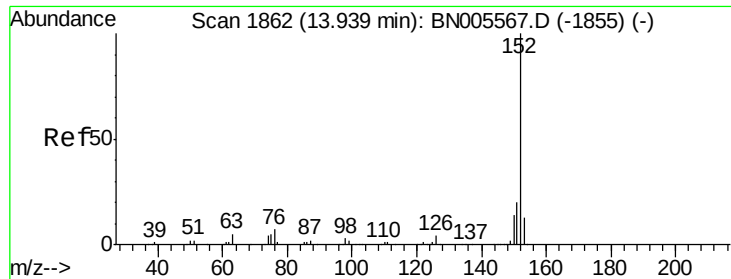
Instrument :
BNA_N
ClientSampleId :
GAJ90

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5/10/2019 1:19:39 PM

Quant Time: May 10 01:59:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration





#47

Acenaphthylene

Concen: 19.914 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

Instrument :

BNA_N

ClientSampleId :

GAJ90

Tot Ion:152 Resp: 1381459

Ion Ratio Lower Upper

152 100

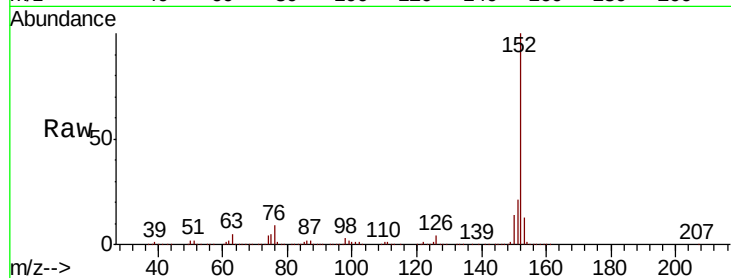
151 20.7 15.8 23.8

153 13.2 9.8 14.8

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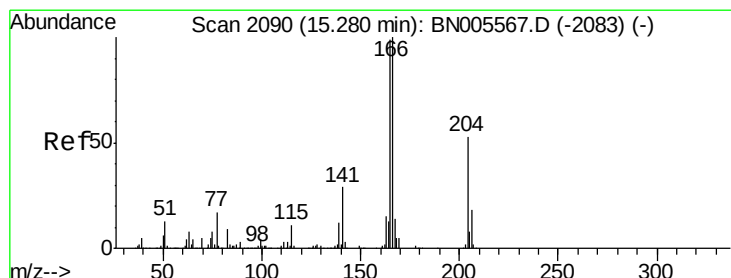
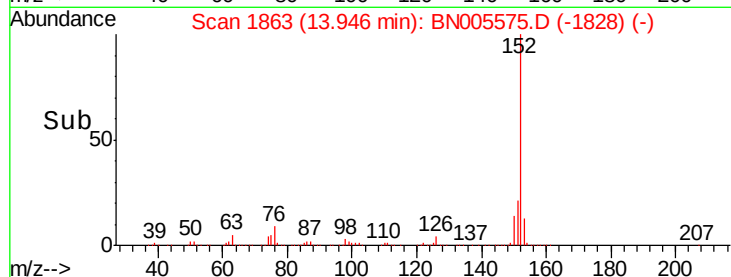
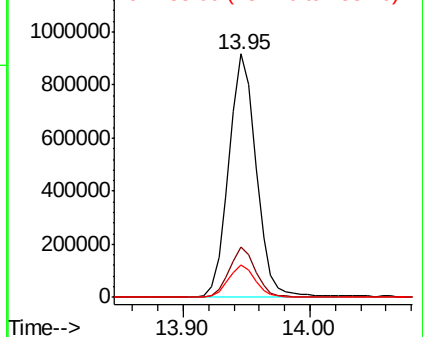


Abundance

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



#58

Fluorene

Concen: 1.335 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

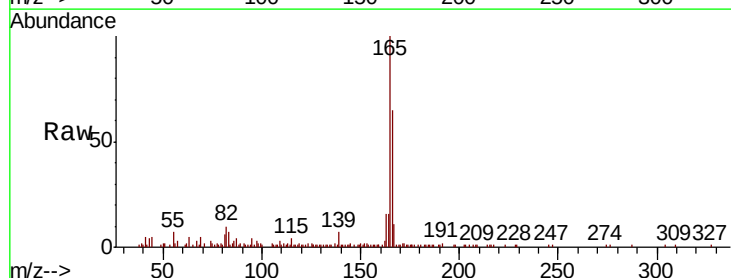
Tgt Ion:166 Resp: 71057

Ion Ratio Lower Upper

166 100

165 154.1 80.0 120.0#

167 16.2 10.7 16.1#

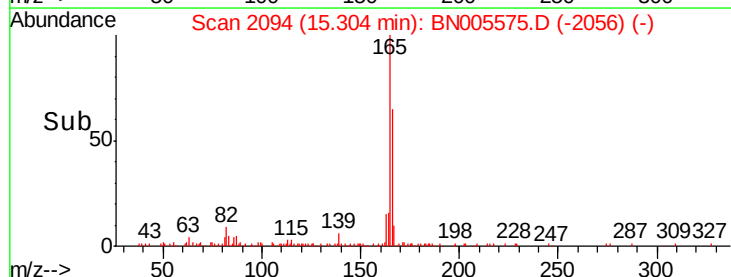
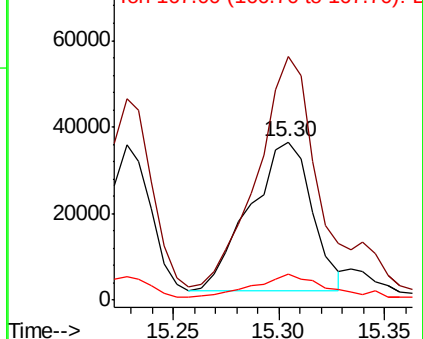


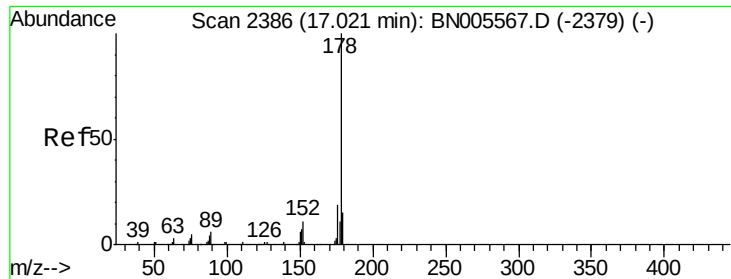
Abundance

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





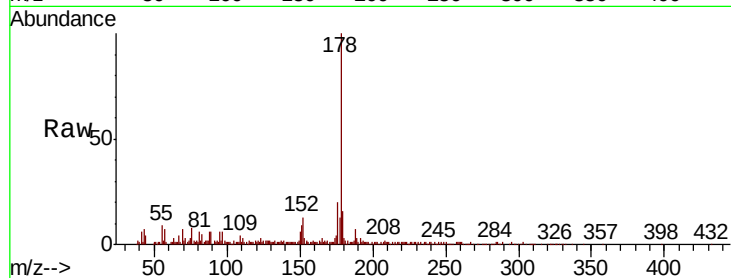
#69
Phenanthrene
Concen: 1.804 ng/ul
RT: 17.03 min Scan# 2387
Delta R.T. 0.01 min
Lab File: BN005575.D
Acq: 09 May 2019 20:35

Instrument :
BNA_N
ClientSampled :
GAJ90

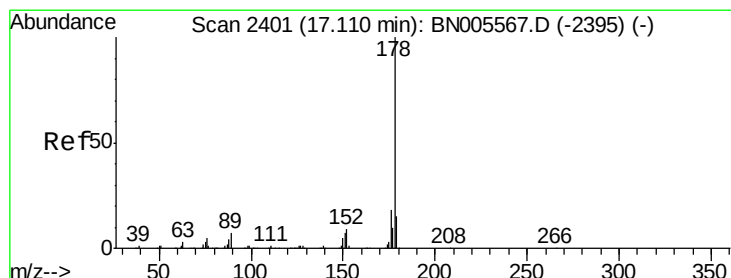
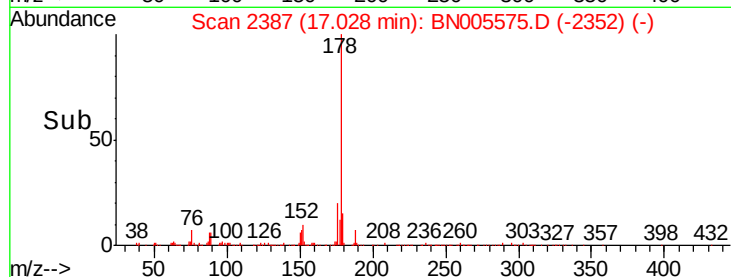
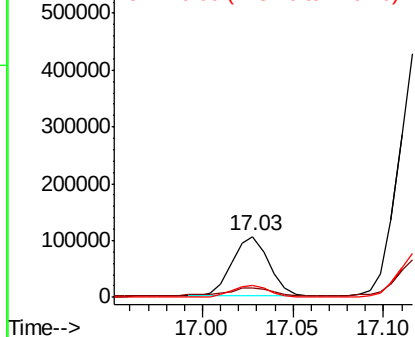
Tot Ion:178	Resp:	149228
Ion Ratio	Lower	Upper
178	100	
179	16.3	12.2 18.4
176	20.3	15.1 22.7

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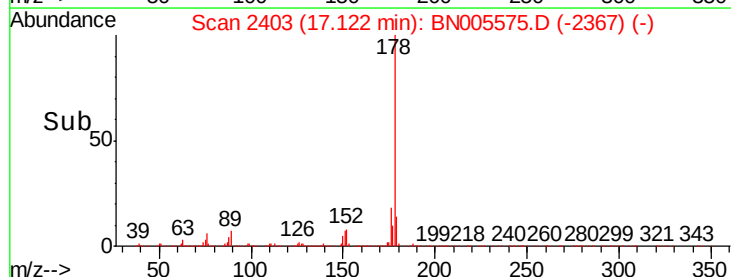
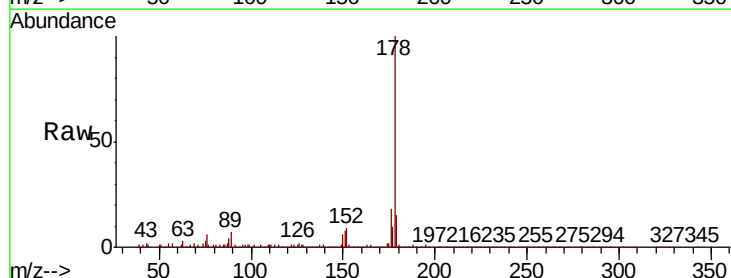
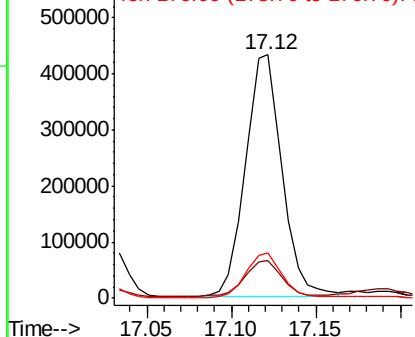
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

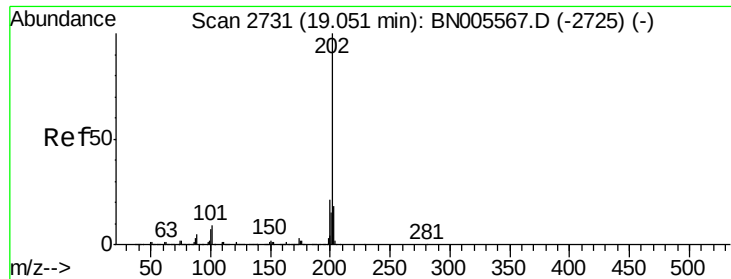


#71
Anthracene
Concen: 7.765 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. 0.01 min
Lab File: BN005575.D
Acq: 09 May 2019 20:35

Tgt Ion:178	Resp:	654352
Ion Ratio	Lower	Upper
178	100	
179	15.2	12.3 18.5
176	18.5	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





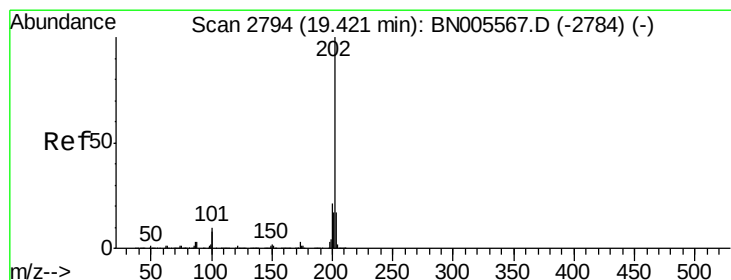
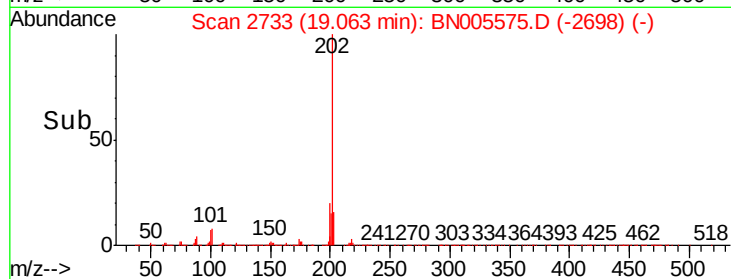
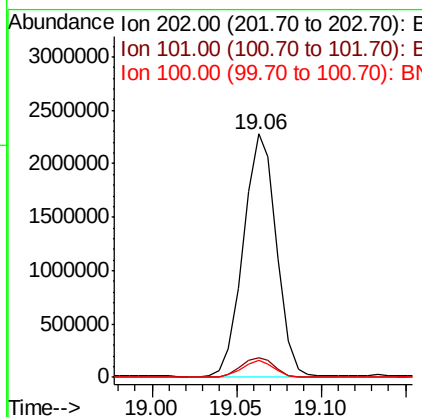
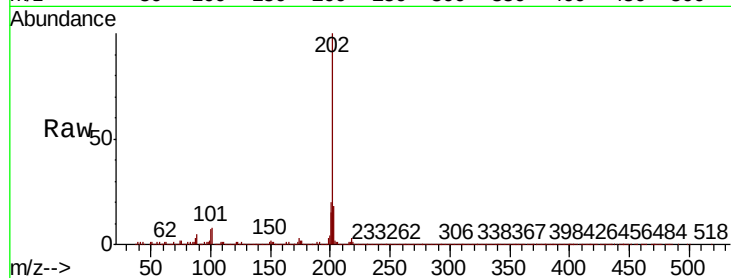
#76
Fluoranthene
Concen: 33.710 ng/ul
RT: 19.06 min Scan# 2733
Delta R.T. 0.01 min
Lab File: BN005575.D
Acq: 09 May 2019 20:35

Instrument :
BNA_N
ClientSampleId :
GAJ90

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.3	8.6	12.8#
100	6.8	6.3	9.5

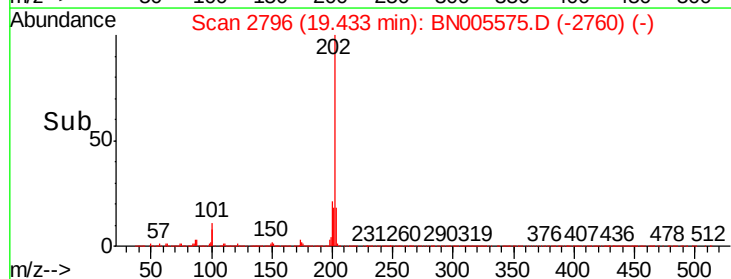
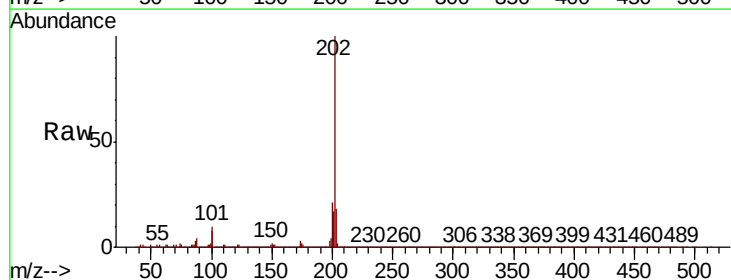
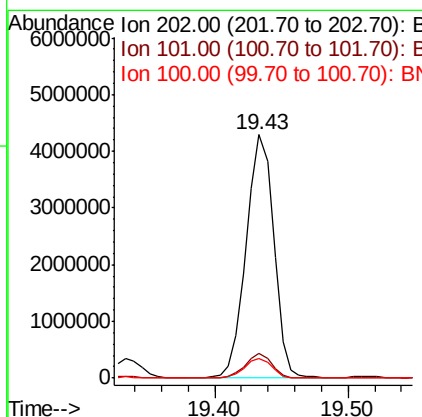
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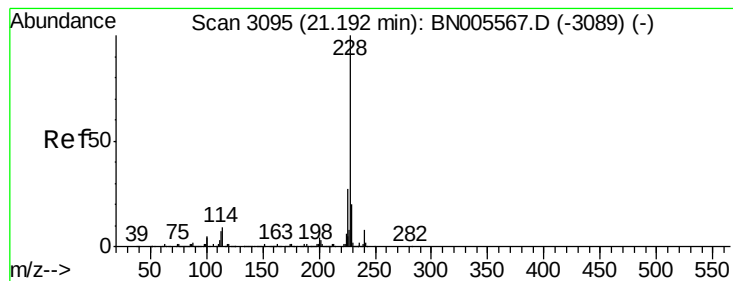
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#79
Pyrene
Concen: 83.543 ng/ul
RT: 19.43 min Scan# 2796
Delta R.T. 0.01 min
Lab File: BN005575.D
Acq: 09 May 2019 20:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	10.3	15.5#
100	8.1	7.9	11.9





#82

Benzo(a)anthracene

Concen: 29.162 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

Instrument :

BNA_N

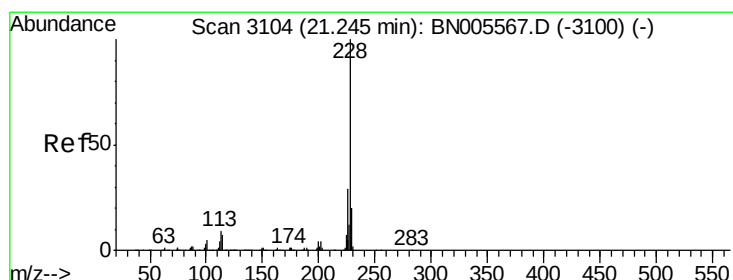
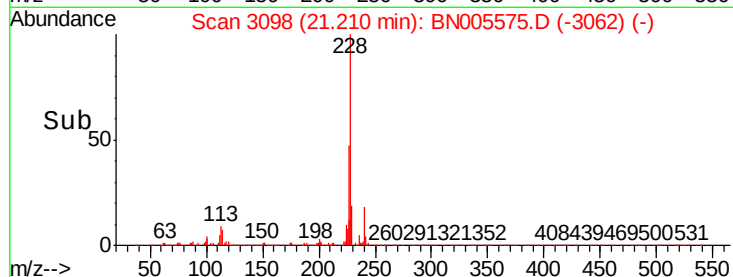
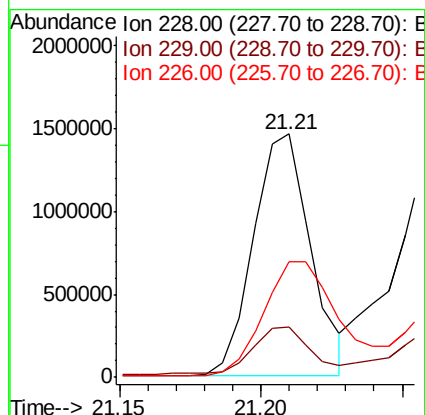
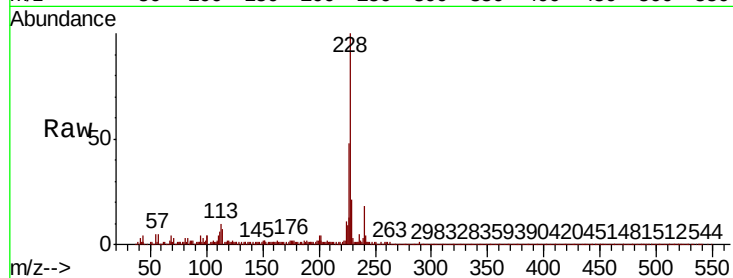
ClientSampled :

GAJ90

Tot Ion:	228	Resp:	2056041
Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.6
226	47.7	21.4	32.2#

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#84

Chrysene

Concen: 29.529 ng/ul

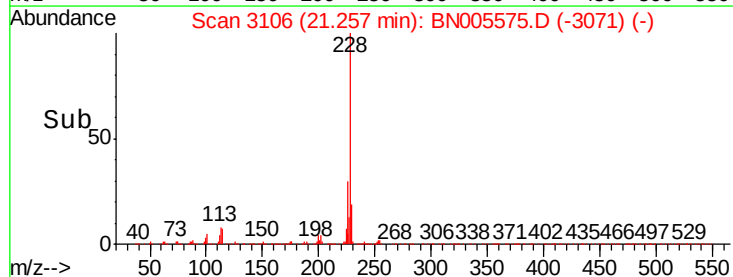
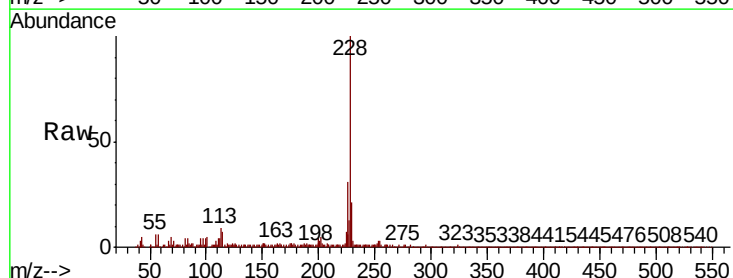
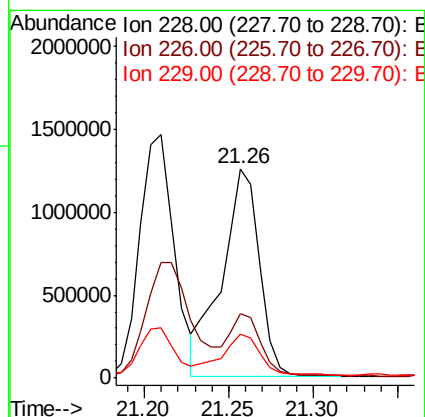
RT: 21.26 min Scan# 3106

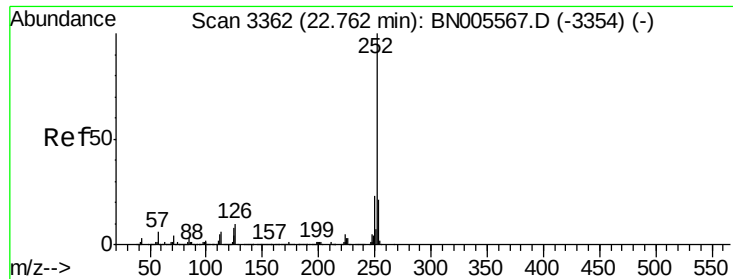
Delta R.T. 0.01 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

Tgt Ion:	228	Resp:	1932235
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	20.8	15.4	23.0





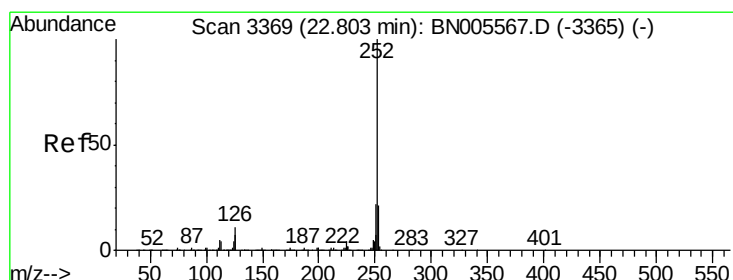
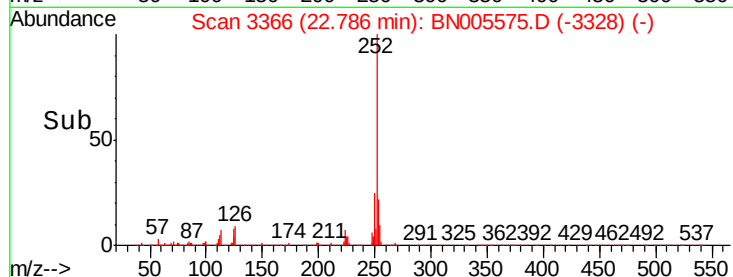
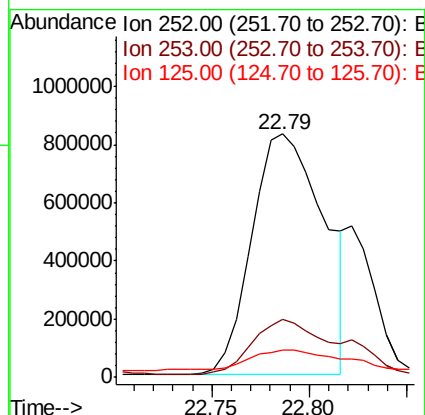
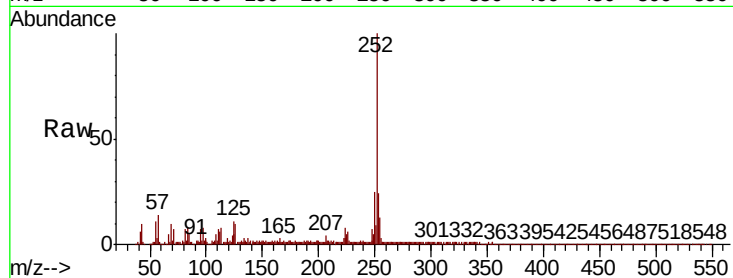
#87
Benzo(b)fluoranthene
Concen: 30.480 ng/ul
RT: 22.79 min Scan# 3366
Delta R.T. 0.02 min
Lab File: BN005575.D
Acq: 09 May 2019 20:35

Instrument :
BNA_N
ClientSampled :
GAJ90

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	11.1	8.4	12.6

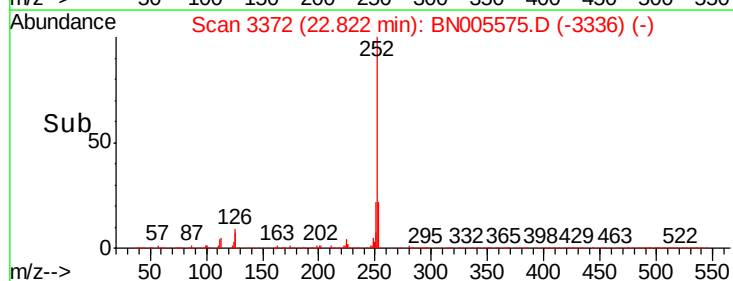
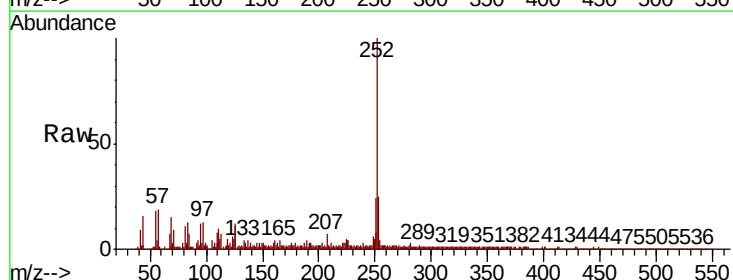
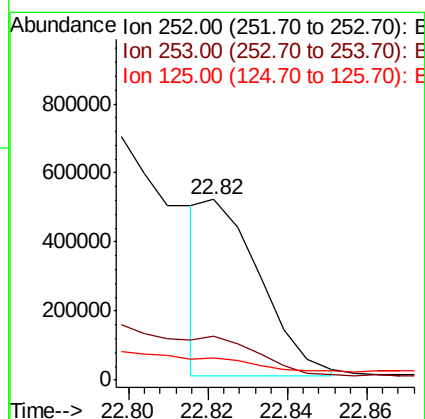
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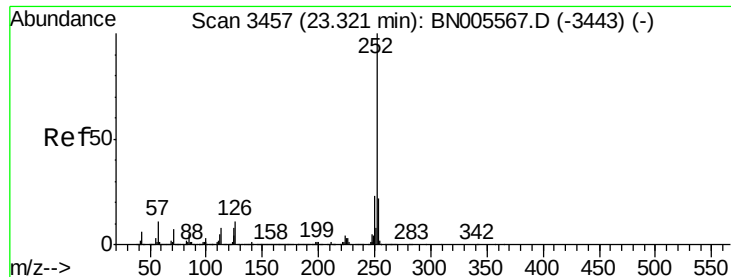
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5/10/2019 1:19:39 PM



#88
Benzo(k)fluoranthene
Concen: 7.584 ng/ul m
RT: 22.82 min Scan# 3372
Delta R.T. 0.01 min
Lab File: BN005575.D
Acq: 09 May 2019 20:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.0
125	12.1	7.5	11.3#





#90

Benzo(a)pyrene

Concen: 30.781 ng/ul

RT: 23.35 min Scan# 3461

Delta R.T. 0.02 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

Instrument :

BNA_N

ClientSampled :

GAJ90

Tot Ion:252 Resp: 2010153

Ion Ratio Lower Upper

252 100

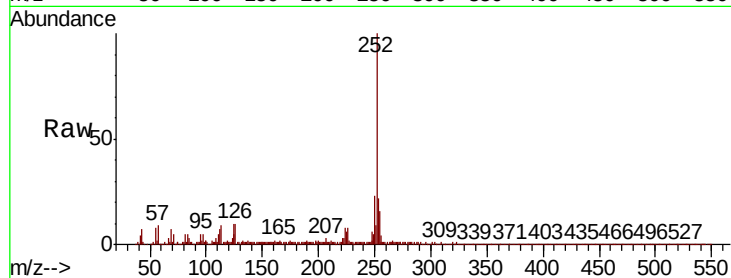
253 22.2 17.3 25.9

125 9.7 8.6 13.0

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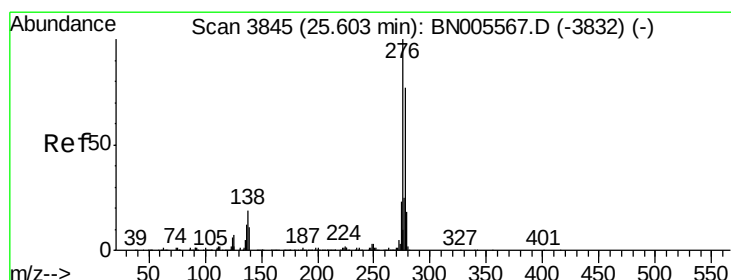
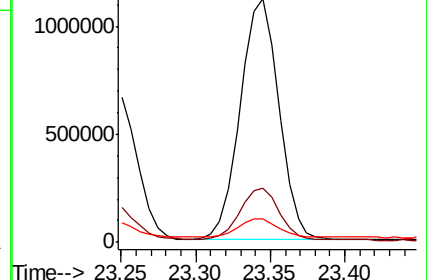
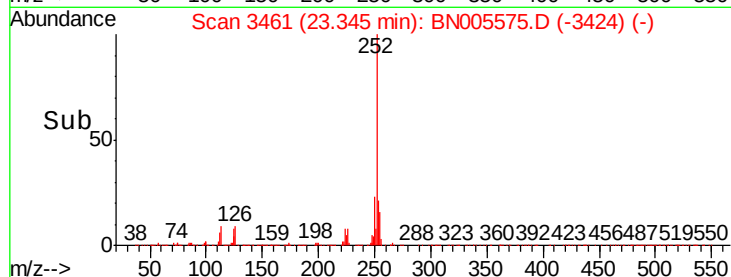
5/10/2019 1:19:39 PM



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: 13.875 ng/ul

RT: 25.63 min Scan# 3850

Delta R.T. 0.02 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

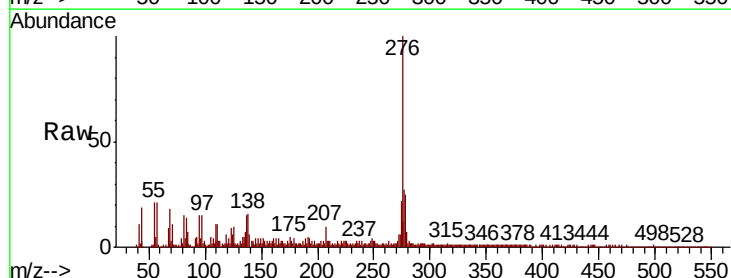
Tgt Ion:276 Resp: 1001811

Ion Ratio Lower Upper

276 100

138 16.4 17.9 26.9#

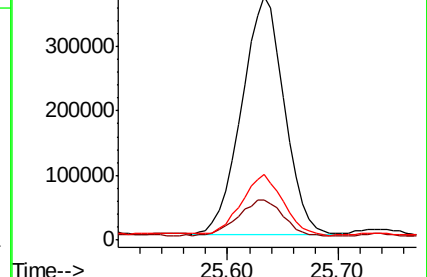
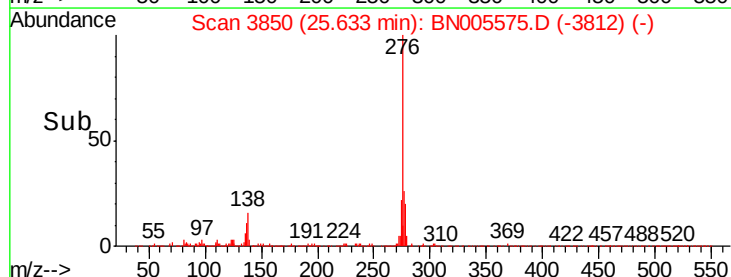
277 26.9 19.7 29.5

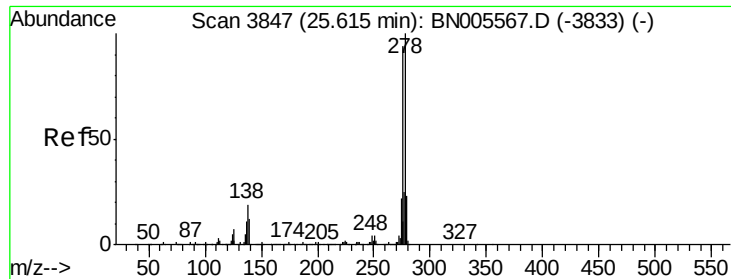


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 5.321 ng/ul

RT: 25.63 min Scan# 3850

Delta R.T. 0.01 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

Instrument :

BNA_N

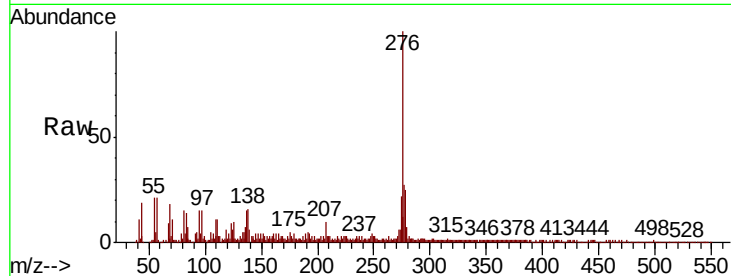
ClientSampleId :

GAJ90

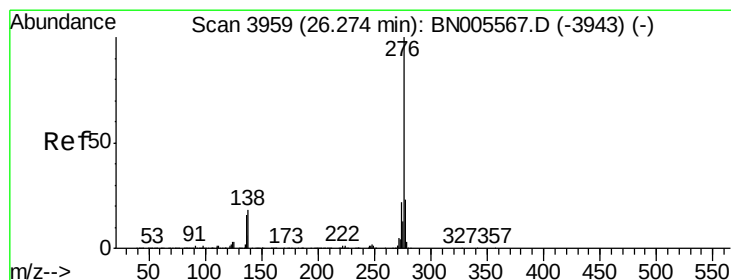
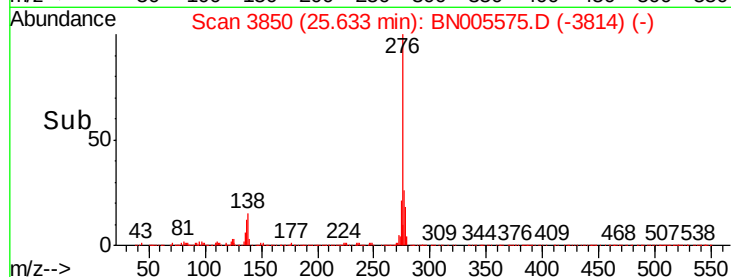
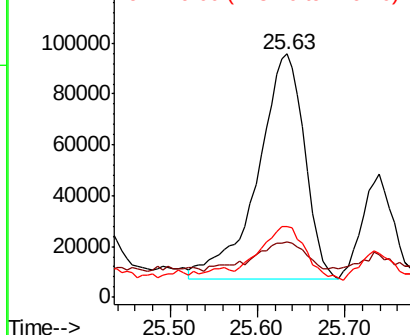
Tot Ion:	278	Resp:	326059
Ion Ratio	Lower	Upper	
278	100		
139	22.8	13.1	19.7#
279	29.2	19.4	29.0#

Manual Integrations
APPROVED

Sohil
5/10/2019 1:19:39 PM



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(g,h,i)perylene

Concen: 16.981 ng/ul

RT: 26.30 min Scan# 3964

Delta R.T. 0.03 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

Tgt Ion:	276	Resp:	1013787
Ion Ratio	Lower	Upper	
276	100		
138	16.2	16.7	25.1#
277	24.7	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

