

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
 Data File : BN006058.D
 Acq On : 04 Jun 2019 04:40
 Operator : JU/SJ
 Sample : K2928-13DL 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42C7DL

Manual Integrations
 APPROVED

Sohil
 6/4/2019 8:39:36 AM

Quant Time: Jun 04 06:02:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 04 04:16:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	386831	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	1447514	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	731528	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	1433128	20.00	ng/ul	0.00
77) Chrysene-d12	21.36	240	1200805	20.00	ng/ul	0.00
85) Perylene-d12	23.65	264	1509644	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	18759	2.26	ng/uL	0.01
5) Phenol-d5	6.90	99	299205	9.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	188901	10.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	255519	10.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	205574	8.04	ng/ul	0.00
19) Nitrobenzene-d5	8.88	128	118432	11.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	114969	9.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	211870	10.08	ng/ul	0.01
29) 4-Chloroaniline-d4	10.66	131	131488	5.09	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	624076	12.06	ng/ul	0.00
46) Acenaphthylene-d8	14.08	160	776770	11.67	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	58701	6.14	ng/ul	0.01
57) Fluorene-d10	15.38	176	511937	11.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	8848	1.27	ng/ul	0.01
70) Anthracene-d10	17.24	188	731363	12.18	ng/ul	0.00
78) Pyrene-d10	19.55	212	731168	10.67	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.50	264	750487	11.19	ng/ul	0.00

Target Compounds

					Ovalue
44) Dimethylphthalate	13.84	163	231176	4.513 ng/ul	100
47) Acenaphthylene	14.11	152	228096	3.487 ng/ul	99
58) Fluorene	15.44	166	61836	1.279 ng/ul#	95
69) Phenanthrene	17.18	178	1318542	18.960 ng/ul	100
71) Anthracene	17.28	178	438060	6.203 ng/ul	99
74) Carbazole	17.55	167	80950	1.333 ng/ul	93
76) Fluoranthene	19.21	202	3871362	57.201 ng/ul	100
79) Pyrene	19.58	202	4267117	49.304 ng/ul	97
82) Benzo(a)anthracene	21.34	228	2451830	33.045 ng/ul	96
84) Chrysene	21.39	228	2606909	37.135 ng/ul	98
87) Benzo(b)fluoranthene	22.96	252	2840327	34.112 ng/ul	97
88) Benzo(k)fluoranthene	23.00	252	1015386m	12.584 ng/ul	
90) Benzo(a)pyrene	23.55	252	2207938	27.889 ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.96	276	1471055	16.140 ng/ul	95
92) Dibenzo(a,h)anthracene	25.96	278	433827	5.646 ng/ul#	92
93) Benzo(g,h,i)perylene	26.66	276	1098179	14.639 ng/ul	98

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

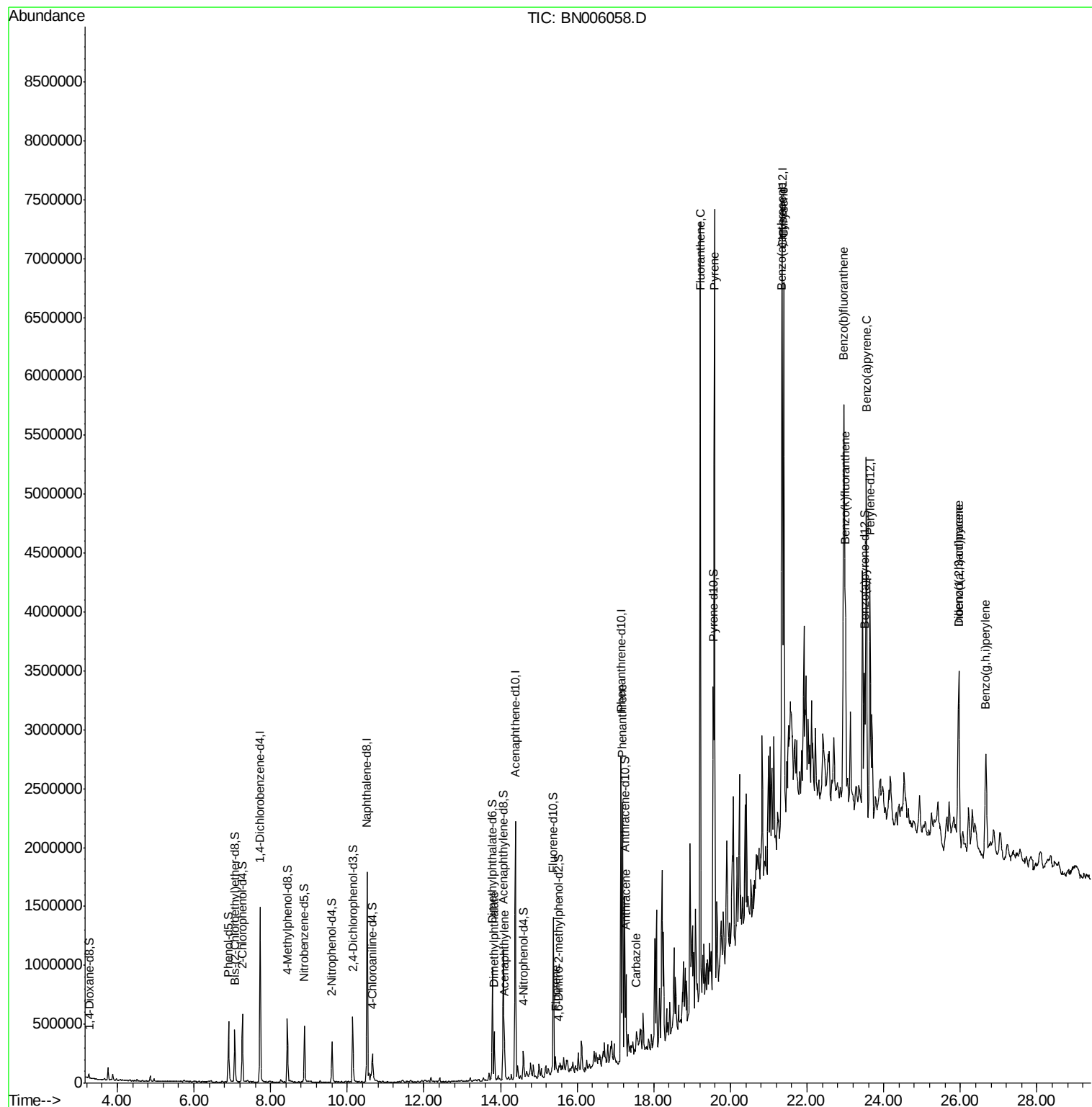
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060319\
Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

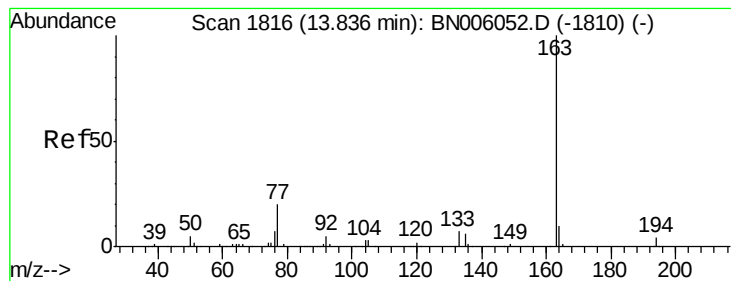
Instrument :
BNA_N
ClientSampleId :
A42C7DL

Manual Integrations
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6/4/2019 8:39:36 AM

Quant Time: Jun 04 06:02:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 04 04:16:41 2019
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 4.513 ng/ul

RT: 13.84 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BN006058.D

Acq: 04 Jun 2019 04:40

Instrument :

BNA_N

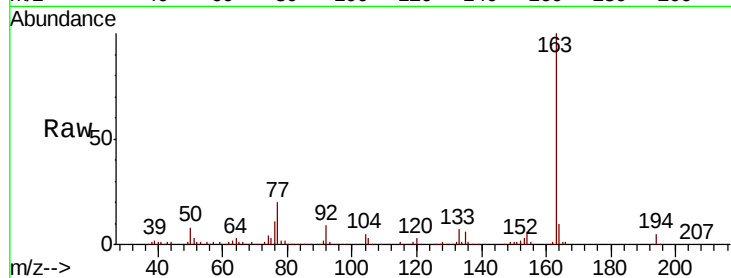
ClientSampled :

A42C7DL

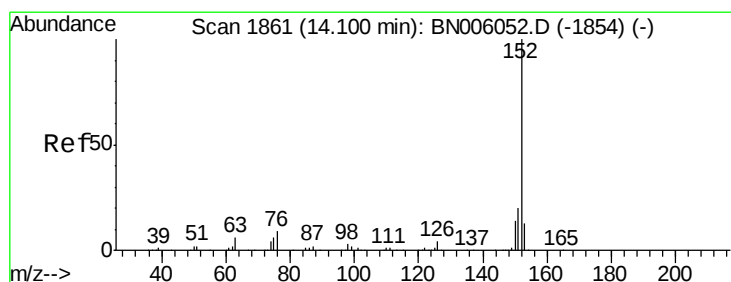
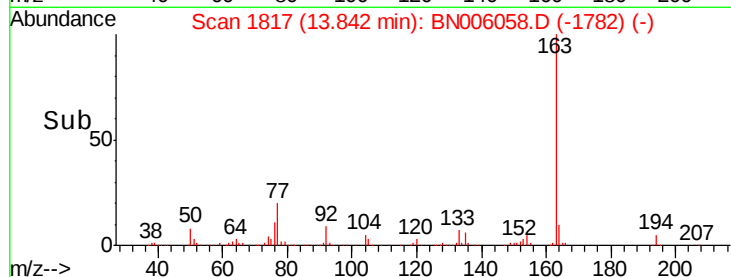
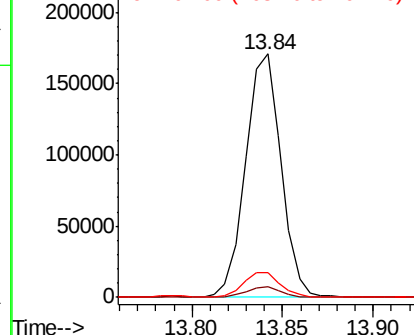
Tot Ion:	163	Resp:	231176
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.4	5.2
164	10.3	8.2	12.4

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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: 3.487 ng/ul

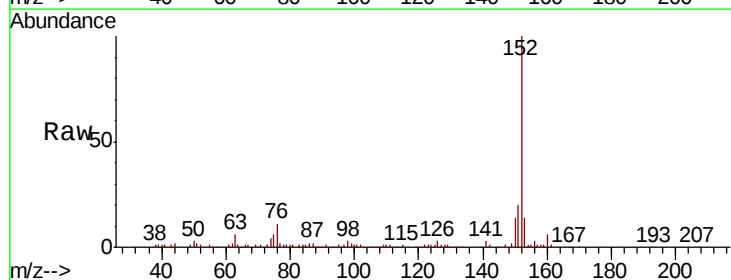
RT: 14.11 min Scan# 1862

Delta R.T. 0.01 min

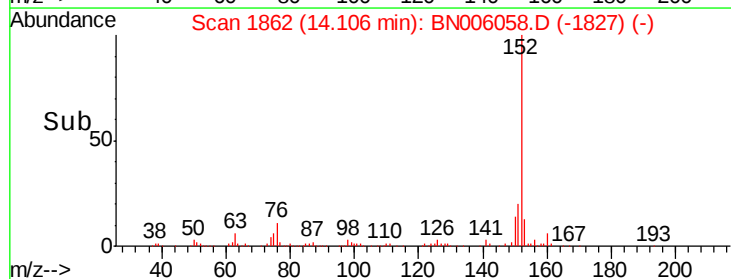
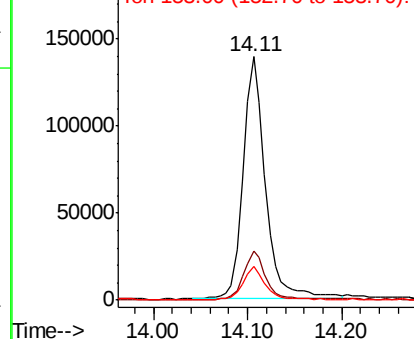
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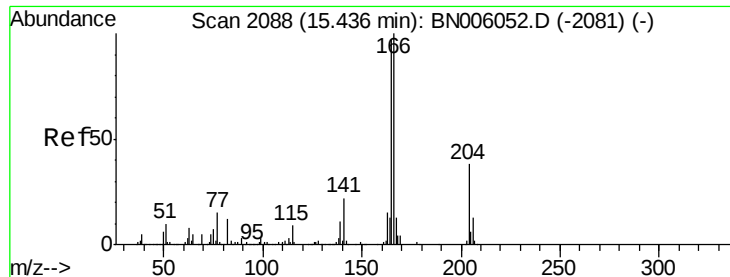
Acq: 04 Jun 2019 04:40

Tgt Ion:	152	Resp:	228096
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.2	24.2
153	13.7	10.5	15.7



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





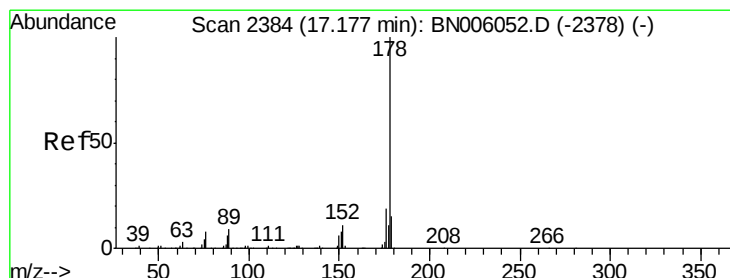
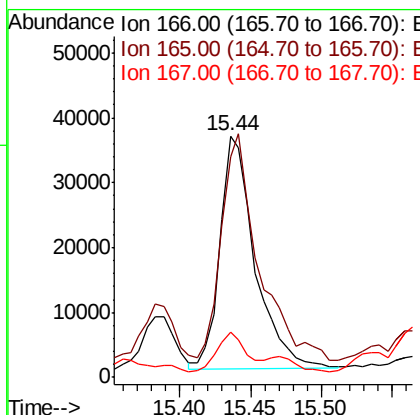
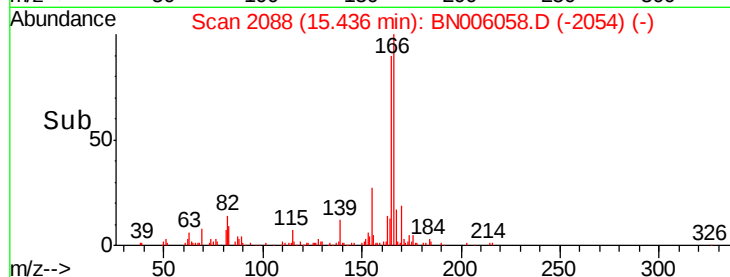
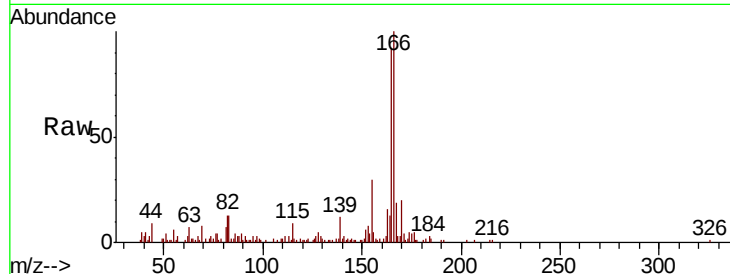
#58
Fluorene
 Concen: 1.279 ng/ul
 RT: 15.44 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: BN006058.D
 Acq: 04 Jun 2019 04:40

Instrument :
 BNA_N
 ClientSampleID :
 A42C7DL

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	91.5	76.6	115.0	
167	18.7	10.8	16.2	

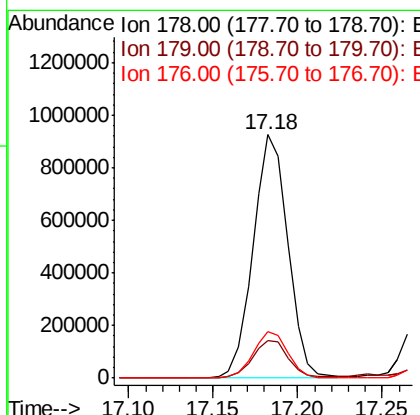
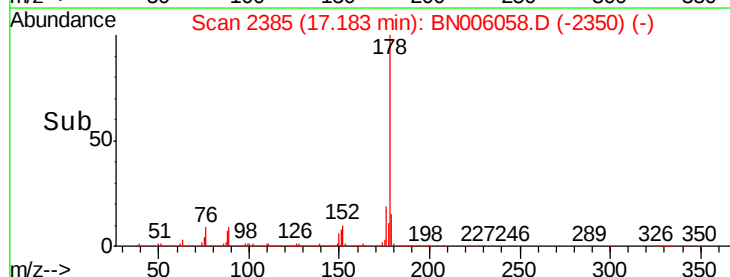
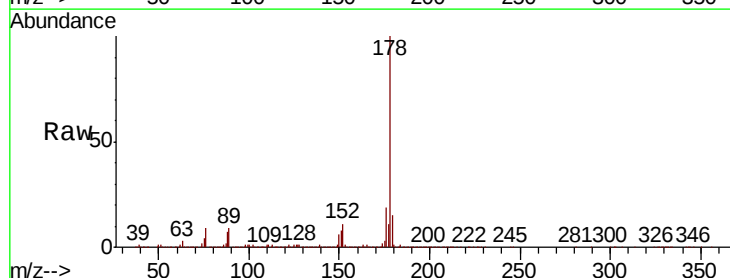
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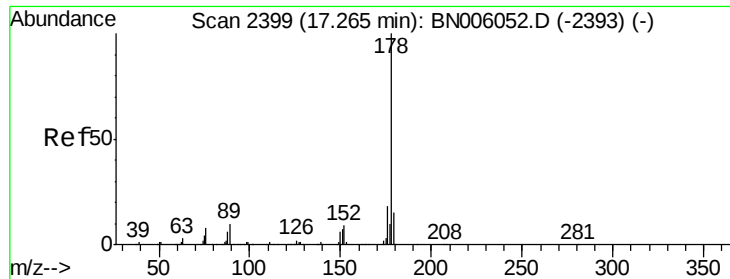
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#69
Phenanthrene
 Concen: 18.960 ng/ul
 RT: 17.18 min Scan# 2385
 Delta R.T. 0.01 min
 Lab File: BN006058.D
 Acq: 04 Jun 2019 04:40

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
179	15.4	12.4	18.6	
176	18.9	15.0	22.4	





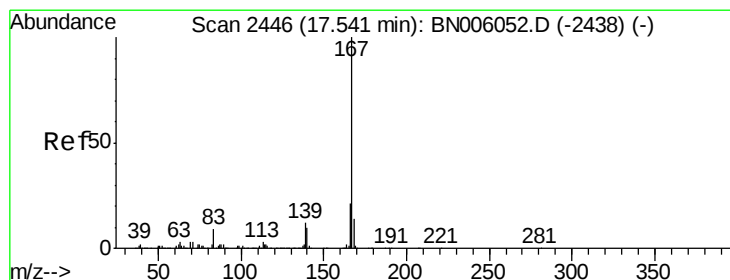
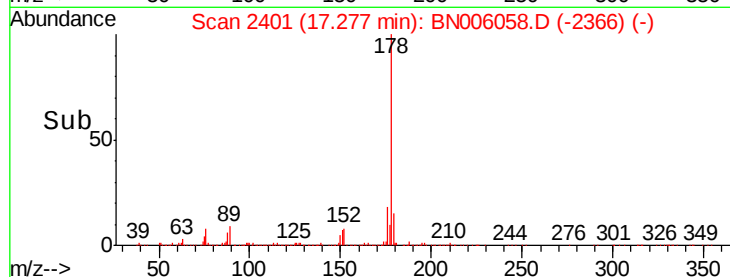
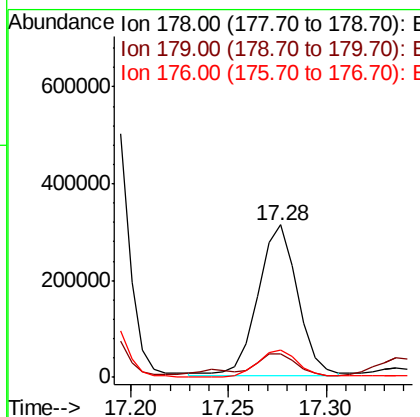
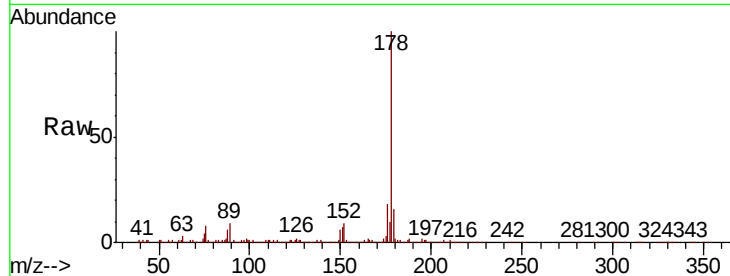
#71
 Anthracene
 Concen: 6.203 ng/ul
 RT: 17.28 min Scan# 2401
 Delta R.T. 0.01 min
 Lab File: BN006058.D
 Acq: 04 Jun 2019 04:40

Instrument :
 BNA_N
 ClientSampleId :
 A42C7DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6
176	18.1	14.8	22.2

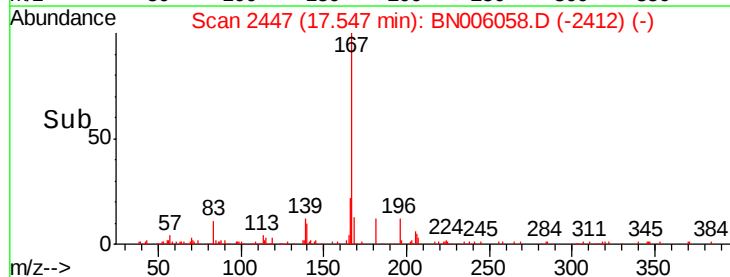
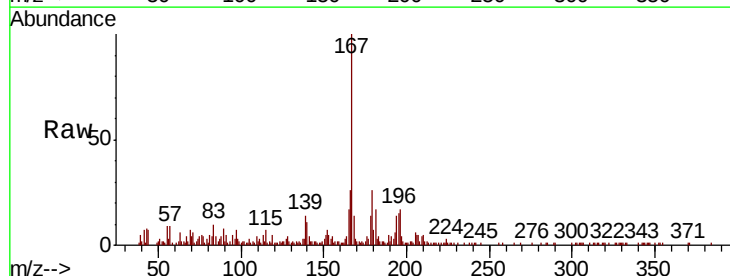
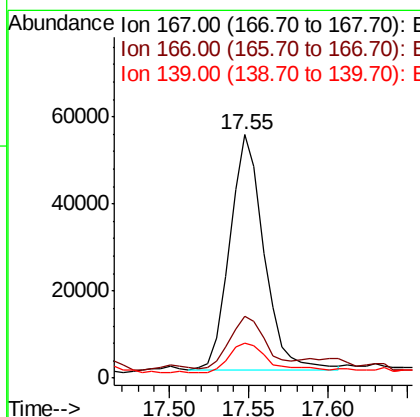
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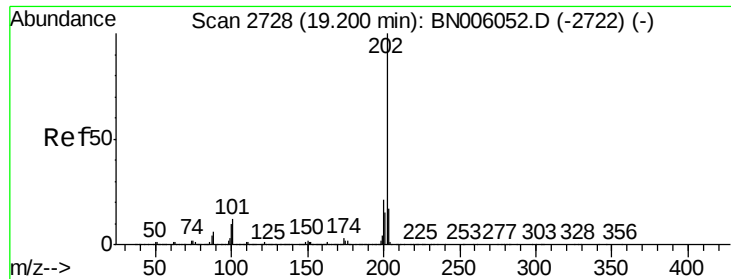
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 6/4/2019 8:39:36 AM



#74
 Carbazole
 Concen: 1.333 ng/ul
 RT: 17.55 min Scan# 2447
 Delta R.T. 0.01 min
 Lab File: BN006058.D
 Acq: 04 Jun 2019 04:40

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.6	17.0	25.6
139	14.1	10.4	15.6





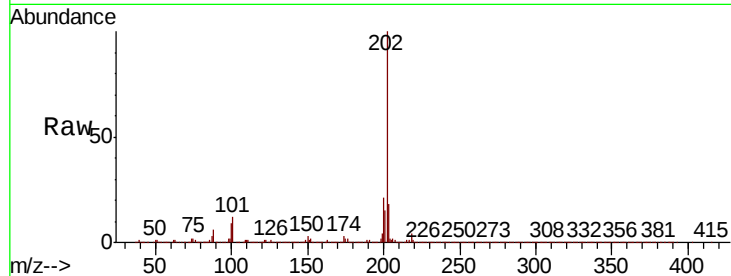
#76
Fluoranthene
Concen: 57.201 ng/ul
RT: 19.21 min Scan# 2730
Delta R.T. 0.01 min
Lab File: BN006058.D
Acq: 04 Jun 2019 04:40

Instrument :
BNA_N
ClientSampleId :
A42C7DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.6	14.4
100	8.9	7.1	10.7

Manual Integrations
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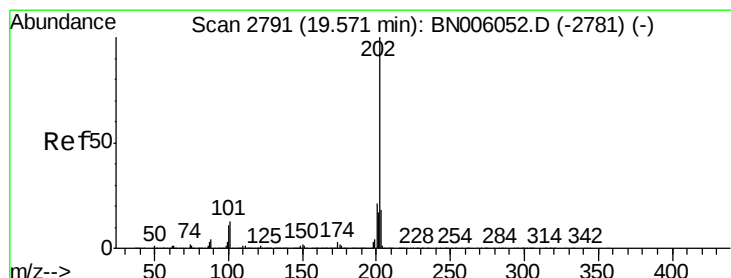
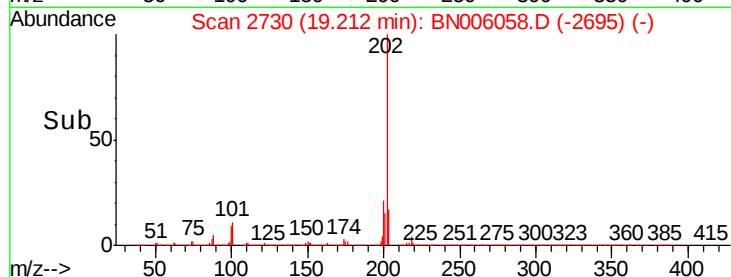
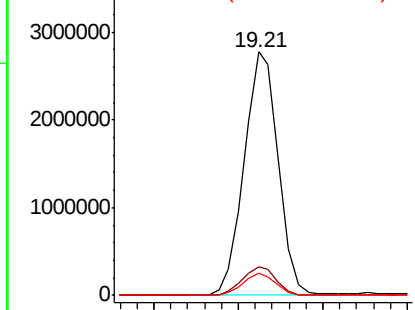


Abundance

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: 49.304 ng/ul
RT: 19.58 min Scan# 2793
Delta R.T. 0.01 min
Lab File: BN006058.D
Acq: 04 Jun 2019 04:40

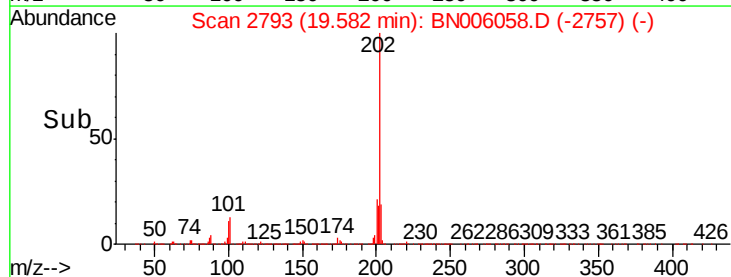
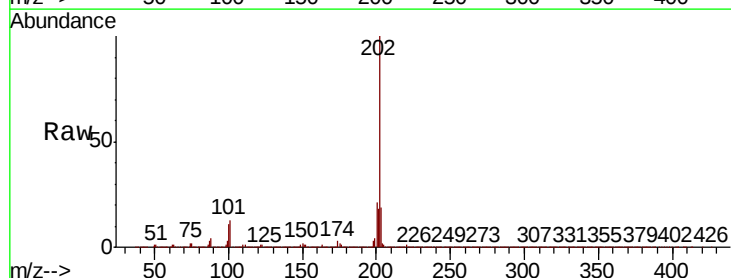
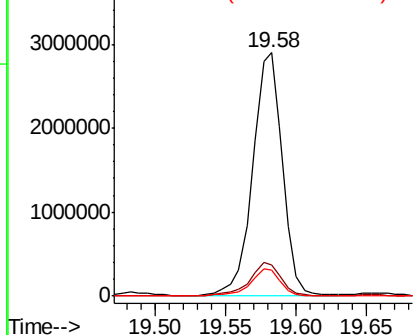
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	11.6	17.4
100	10.6	9.4	14.2

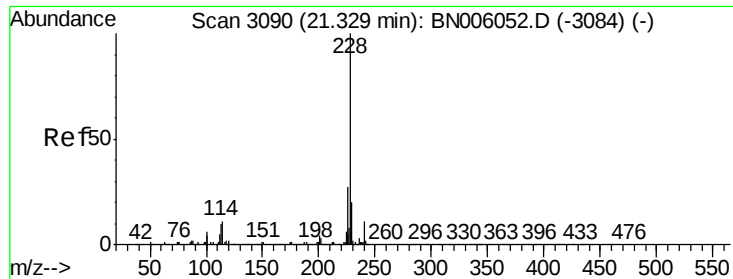
Abundance

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





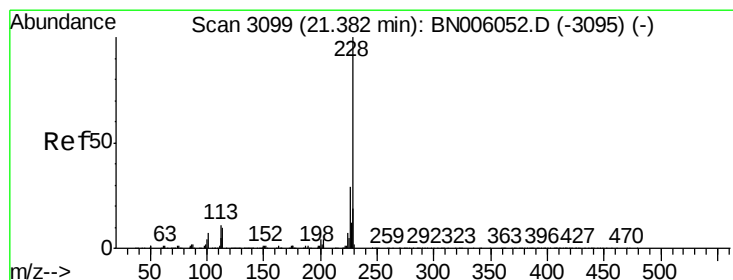
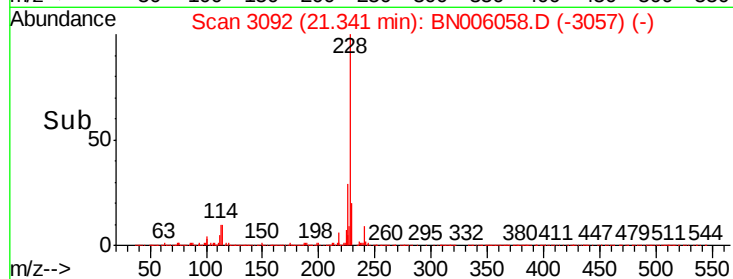
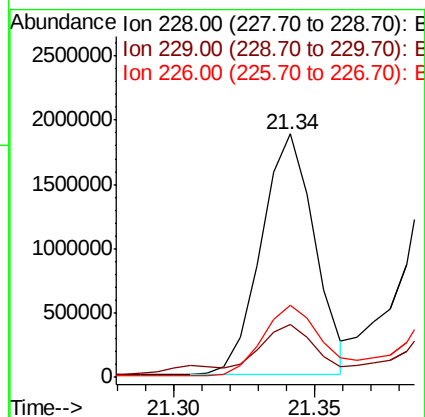
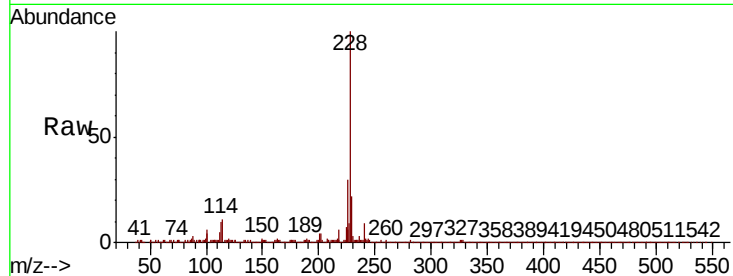
#82
Benzo(a)anthracene
Concen: 33.045 ng/ul
RT: 21.34 min Scan# 3092
Delta R.T. 0.01 min
Lab File: BN006058.D
Acq: 04 Jun 2019 04:40

Instrument :
BNA_N
ClientSampleId :
A42C7DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.8	23.8
226	29.6	21.6	32.4

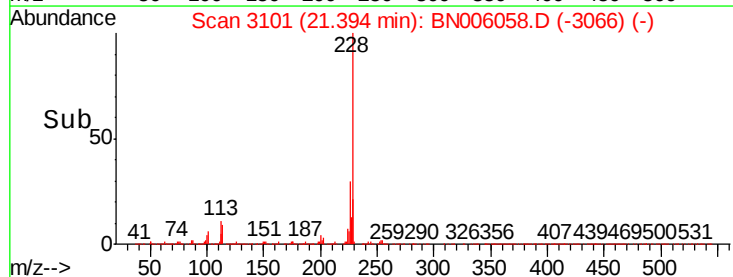
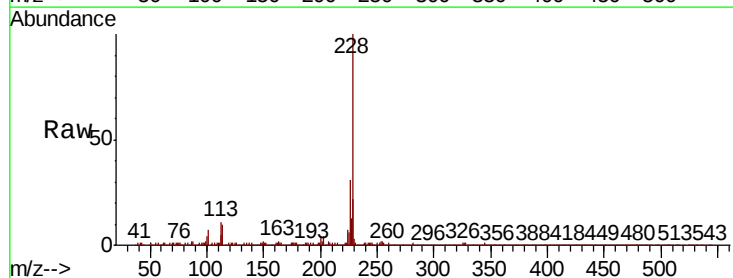
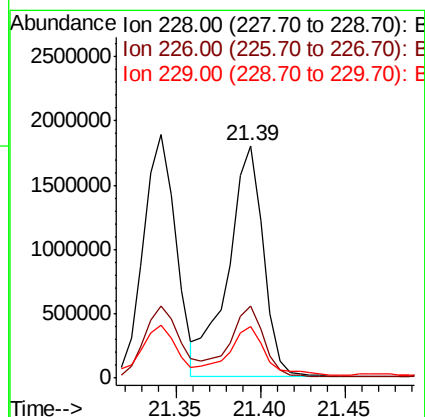
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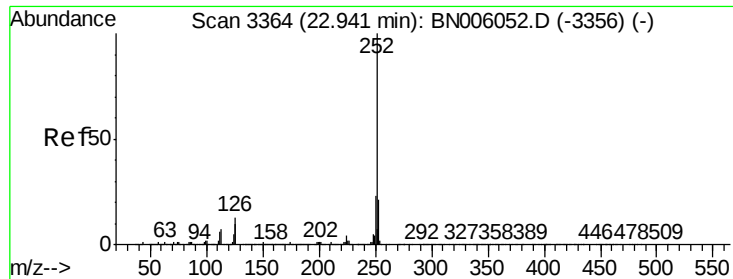
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#84
Chrysene
Concen: 37.135 ng/ul
RT: 21.39 min Scan# 3101
Delta R.T. 0.01 min
Lab File: BN006058.D
Acq: 04 Jun 2019 04:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.4
229	22.0	16.3	24.5





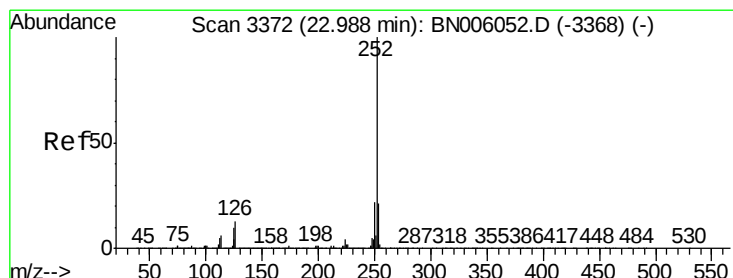
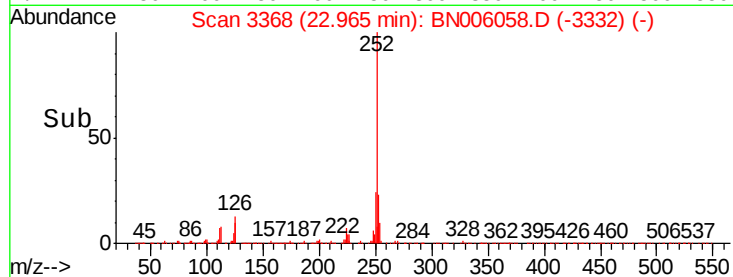
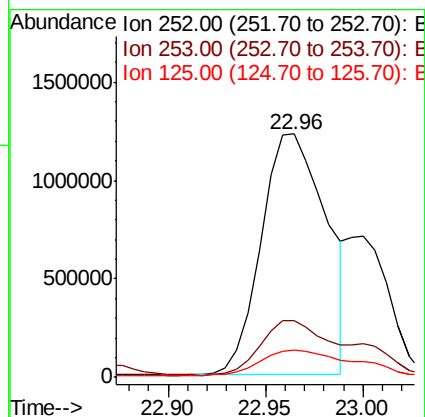
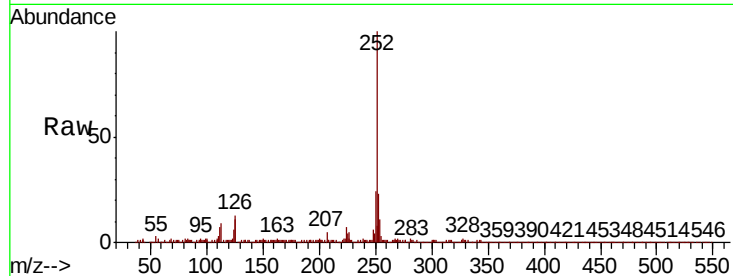
#87
Benzo(b)fluoranthene
Concen: 34.112 ng/ul
RT: 22.96 min Scan# 3368
Delta R.T. 0.01 min
Lab File: BN006058.D
Acq: 04 Jun 2019 04:40

Instrument :
BNA_N
ClientSampleId :
A42C7DL

Tot Ion:	252	Resp:	2840327
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.3	25.9
125	11.0	8.5	12.7

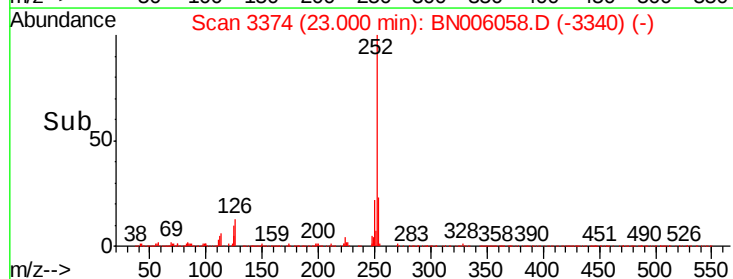
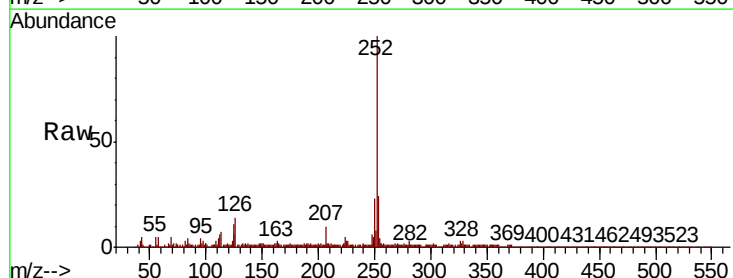
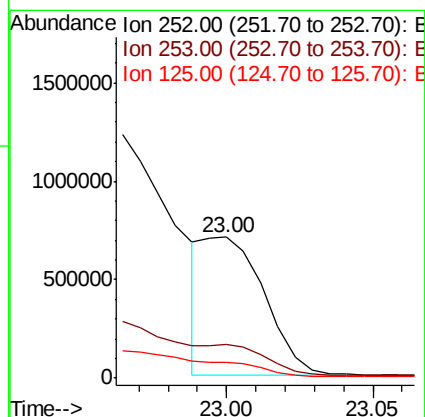
Manual Integrations
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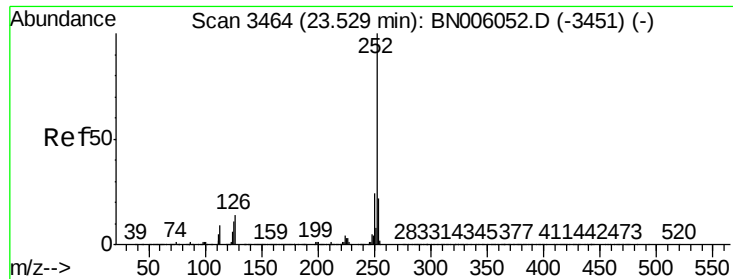
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#88
Benzo(k)fluoranthene
Concen: 12.584 ng/ul m
RT: 23.00 min Scan# 3374
Delta R.T. 0.00 min
Lab File: BN006058.D
Acq: 04 Jun 2019 04:40

Tgt Ion:	252	Resp:	1015386
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.5	26.3
125	11.4	8.2	12.4





#90

Benzo(a)pyrene

Concen: 27.889 ng/ul

RT: 23.55 min Scan# 3467

Delta R.T. 0.01 min

Lab File: BN006058.D

Acq: 04 Jun 2019 04:40

Instrument :

BNA_N

ClientSampleId :

A42C7DL

Tot Ion:252 Resp: 2207938

Ion Ratio Lower Upper

252 100

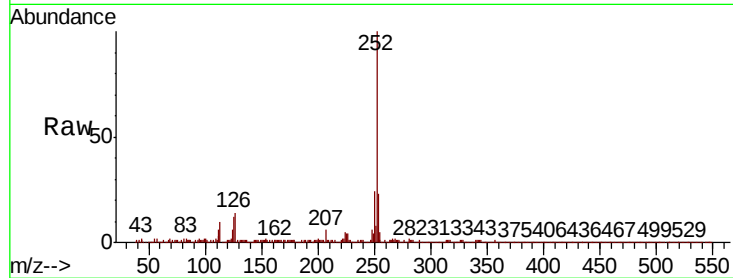
253 23.3 17.1 25.7

125 11.5 9.2 13.8

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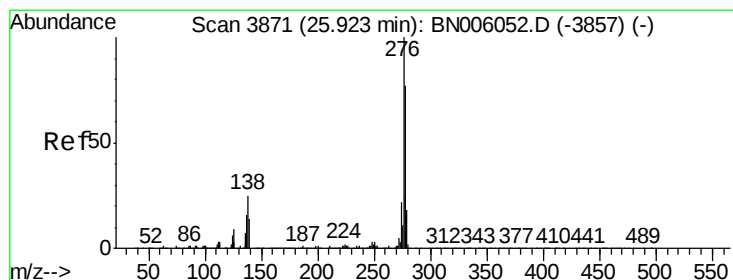
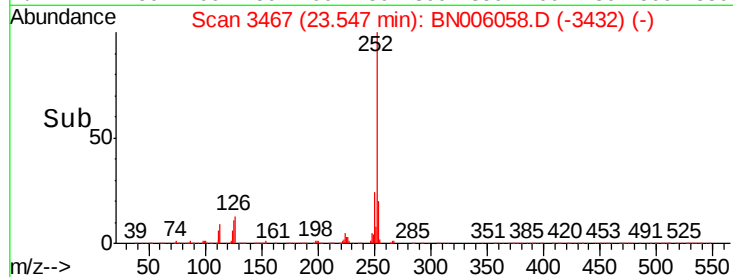
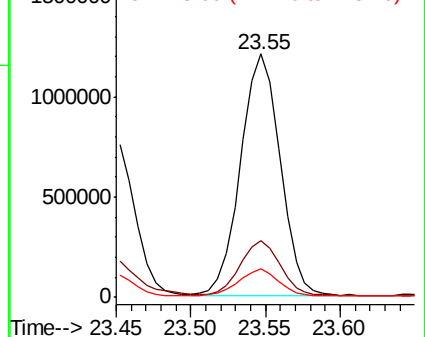


Abundance

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: 16.140 ng/ul

RT: 25.96 min Scan# 3877

Delta R.T. 0.02 min

Lab File: BN006058.D

Acq: 04 Jun 2019 04:40

Tgt Ion:276 Resp: 1471055

Ion Ratio Lower Upper

276 100

138 22.3 21.4 32.2

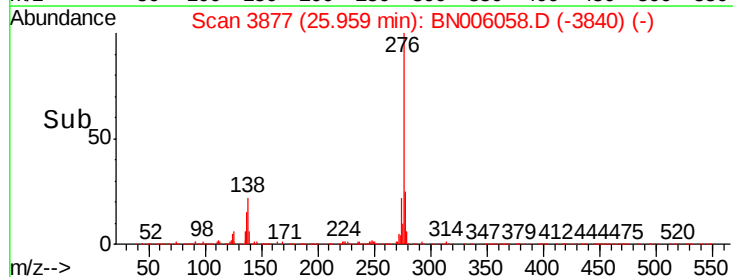
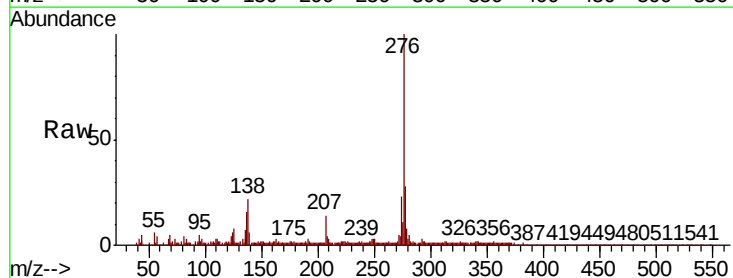
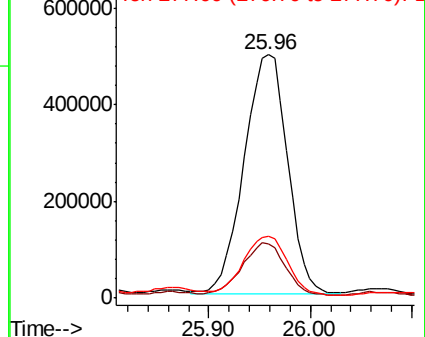
277 25.5 20.2 30.2

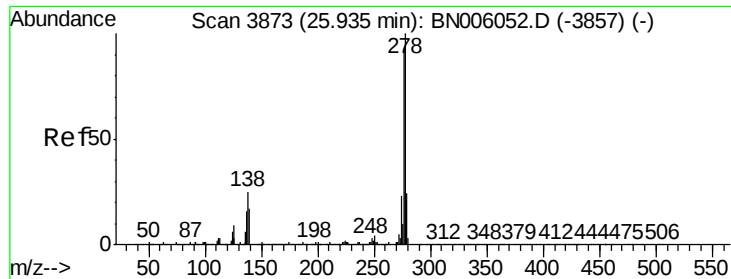
Abundance

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





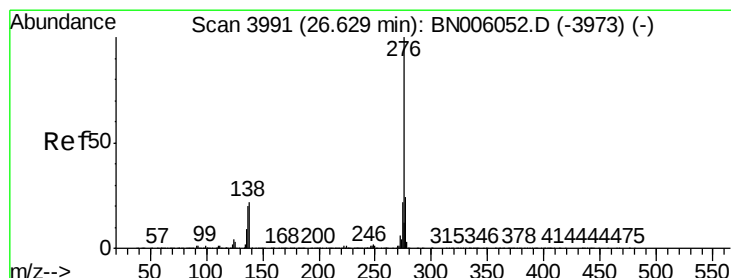
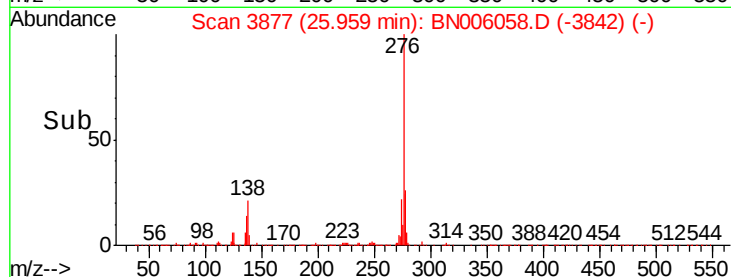
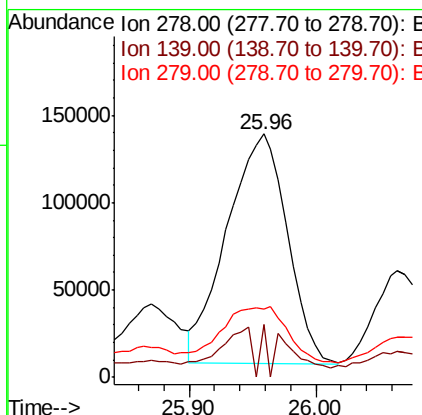
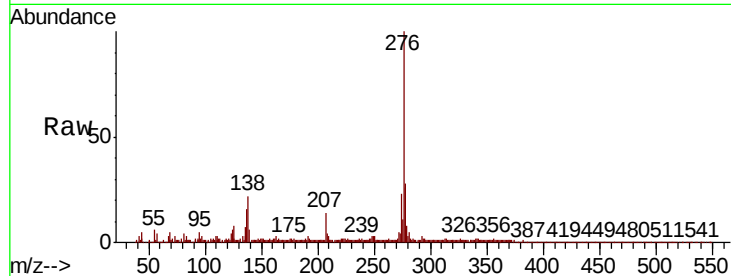
#92
Dibenzo(a,h)anthracene
Concen: 5.646 ng/ul
RT: 25.96 min Scan# 3877
Delta R.T. 0.01 min
Lab File: BN006058.D
Acq: 04 Jun 2019 04:40

Instrument :
BNA_N
ClientSampled :
A42C7DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.6	14.2	21.2#
279	28.2	19.4	29.0

Manual Integrations
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#93
Benzo(g,h,i)perylene
Concen: 14.639 ng/ul
RT: 26.66 min Scan# 3997
Delta R.T. 0.02 min
Lab File: BN006058.D
Acq: 04 Jun 2019 04:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	18.8	28.2
277	24.2	19.4	29.2

