

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
 Data File : BN005312.D
 Acq On : 26 Apr 2019 09:55
 Operator : JU/SJ
 Sample : K2456-02 20X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ2

Manual Integrations
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 4/26/2019 6:22:15 PM

Quant Time: Apr 26 12:13:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	523501	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2165109	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1333385	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2916623	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	2507759	20.00	ng/ul	-0.02
85) Perylene-d12	23.40	264	2368759	20.00	ng/ul	-0.04

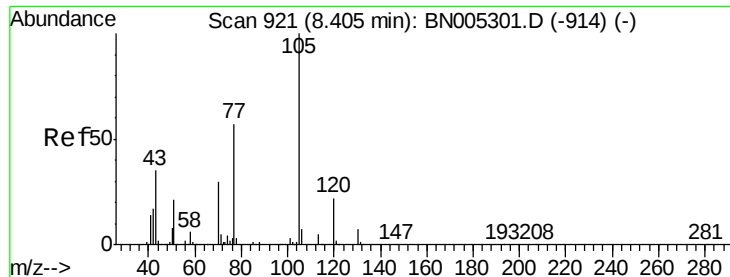
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2201	0.20	ng/uL	0.00
5) Phenol-d5	6.77	99	51352	1.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	31417	1.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	40273	1.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	41930	1.30	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	24721	1.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	21351	1.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	44872	1.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	80225	2.51	ng/ul	-0.02
43) Dimethylphthalate-d6	13.65	166	158761	1.64	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	175490	1.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	27756	1.82	ng/ul	0.01
57) Fluorene-d10	15.23	176	131770	1.62	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	7272	0.55	ng/ul	0.01
70) Anthracene-d10	17.09	188	190067	1.55	ng/ul	0.00
78) Pyrene-d10	19.39	212	211871	1.65	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	158879	1.53	ng/ul	-0.04

Target Compounds

					Qvalue	
14) Acetophenone	8.40	105	61395	1.194	ng/ul	86
28) Naphthalene	10.41	128	30363940m	301.671	ng/ul	
34) 2-Methylnaphthalene	12.04	142	28712285m	389.589	ng/ul	
40) 1,1'-Biphenyl	13.06	154	4918712	49.509	ng/ul	99
47) Acenaphthylene	13.96	152	9854551	84.348	ng/ul#	95
49) Acenaphthene	14.29	153	1269532	15.917	ng/ul	100
53) Dibenzofuran	14.63	168	1338564	11.656	ng/ul	96
58) Fluorene	15.29	166	6731121	75.118	ng/ul	96
69) Phenanthrene	17.03	178	20764137m	146.181	ng/ul	
71) Anthracene	17.12	178	1759206	12.158	ng/ul	98
76) Fluoranthene	19.06	202	9076609	57.610	ng/ul	99
79) Pyrene	19.43	202	12950356	80.204	ng/ul	99
82) Benzo(a)anthracene	21.20	228	4037779m	25.882	ng/ul	
84) Chrysene	21.25	228	3879811	26.796	ng/ul	99
87) Benzo(b)fluoranthene	22.76	252	2291029	17.206	ng/ul	99
88) Benzo(k)fluoranthene	22.79	252	740557m	5.823	ng/ul	
90) Benzo(a)pyrene	23.31	252	787307	6.290	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.58	276	850968	6.150	ng/ul	96
92) Dibenzo(a,h)anthracene	25.59	278	262126	2.232	ng/ul	98
93) Benzo(g,h,i)perylene	26.24	276	637858	5.575	ng/ul	96

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



#14

Acetophenone

Concen: 1.194 ng/ul

RT: 8.40 min Scan# 921

Delta R.T. 0.00 min

Lab File: BN005312.D

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Instrument :

BNA_N

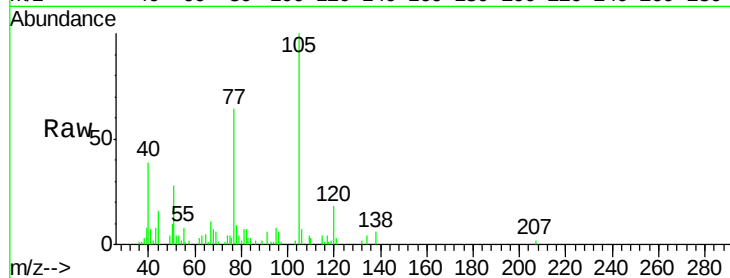
ClientSampleId :

GAHQ2

Tgt Ion:	105	Resp:	61395
Ion Ratio		Lower	Upper
105	100		
77	63.6	63.4	95.0
51	27.8	24.2	36.4

Manual Integrations
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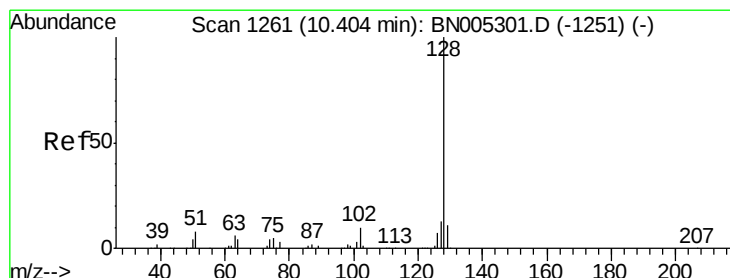
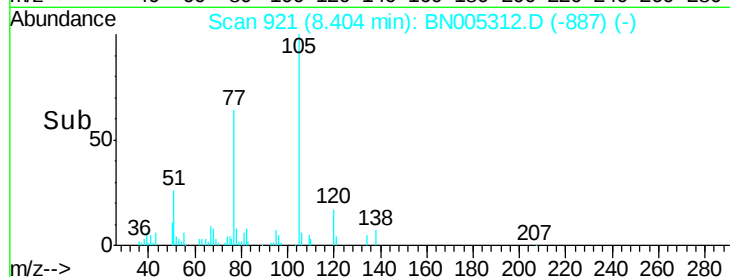
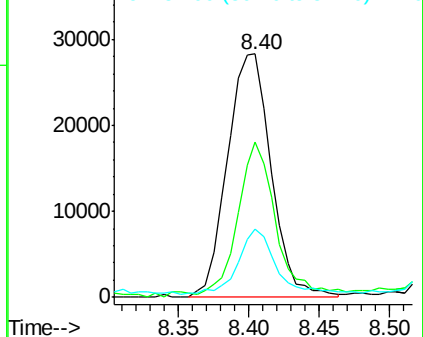
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Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNO

Ion 51.00 (50.70 to 51.70): BNO



#28

Naphthalene

Concen: 301.671 ng/ul m

RT: 10.41 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BN005312.D

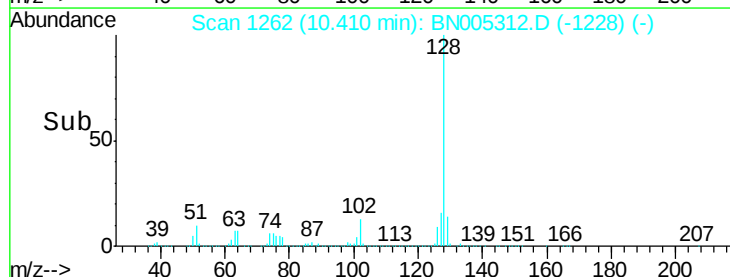
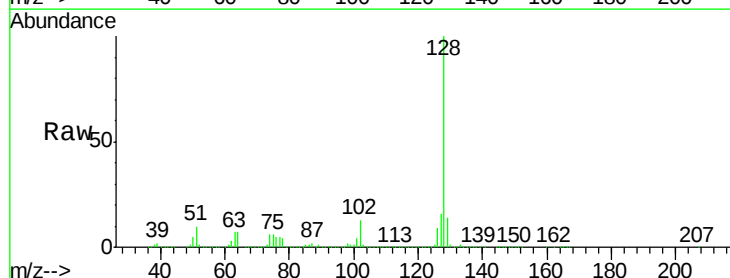
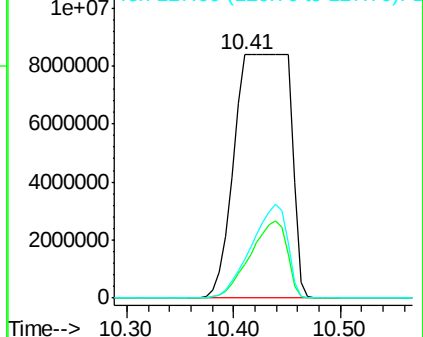
Acq: 26 Apr 2019 09:55

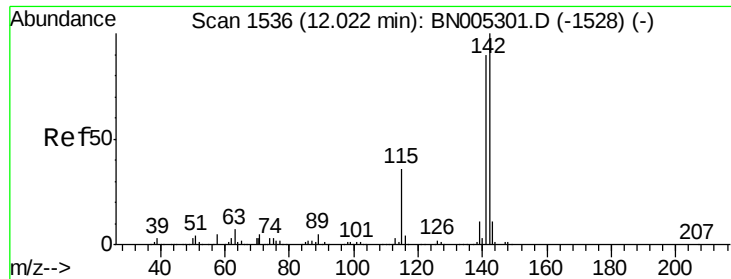
Tgt Ion:	128	Resp:	30363940
Ion Ratio		Lower	Upper
128	100		
129	13.8	9.2	13.8
127	16.1	10.7	16.1

Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





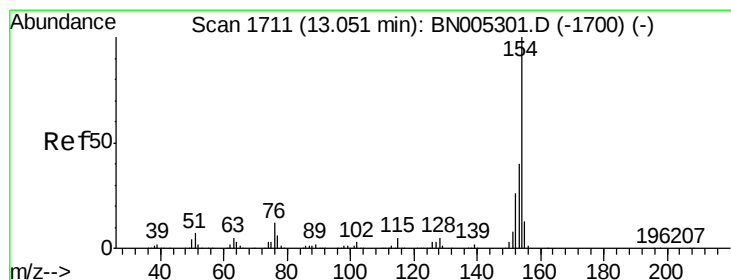
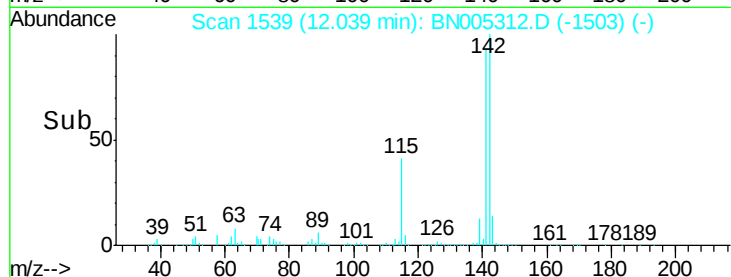
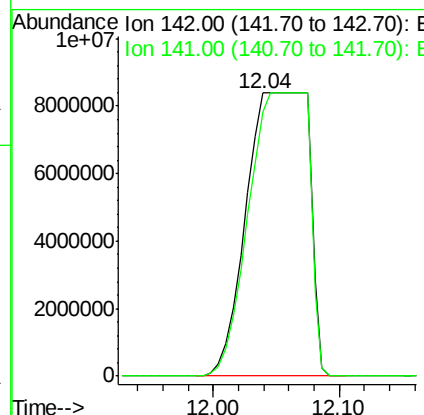
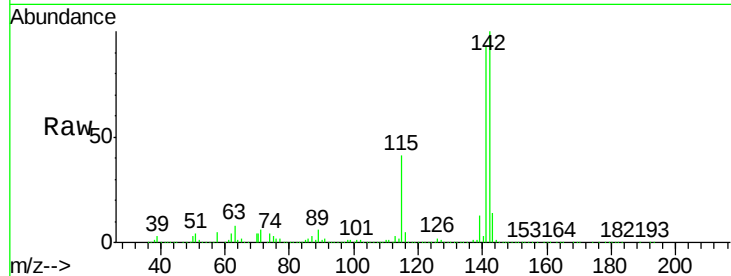
#34
 2-Methylnaphthalene
 Concen: 389.589 ng/ul m
 RT: 12.04 min Scan# 1539
 Delta R.T. 0.01 min
 Lab File: BN005312.D
 Acq: 26 Apr 2019 09:55

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ2

Tgt Ion:142 Resp:28712285
 Ion Ratio Lower Upper
 142 100
 141 93.5 72.0 108.0

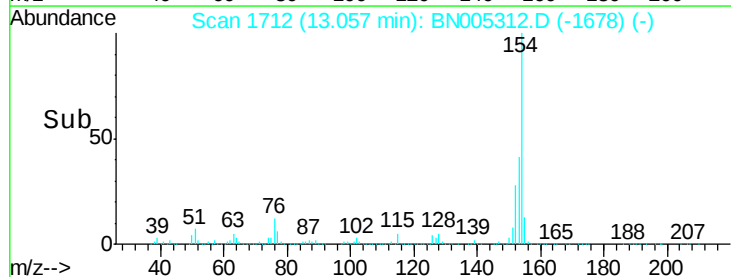
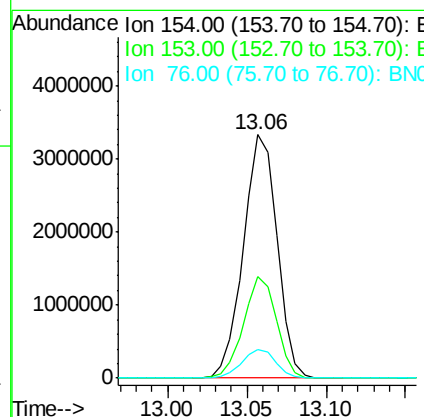
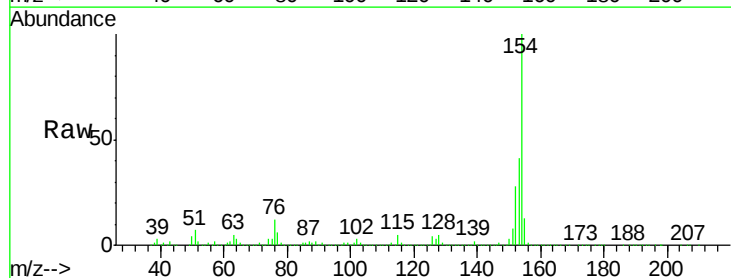
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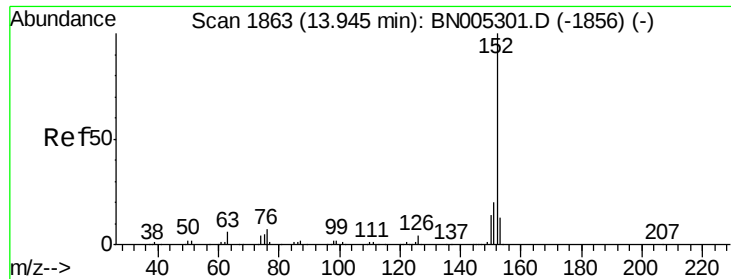
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#40
 1,1'-Biphenyl
 Concen: 49.509 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BN005312.D
 Acq: 26 Apr 2019 09:55

Tgt Ion:154 Resp: 4918712
 Ion Ratio Lower Upper
 154 100
 153 41.5 32.6 49.0
 76 11.9 10.4 15.6





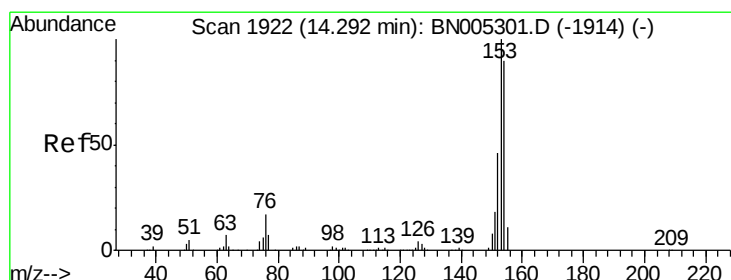
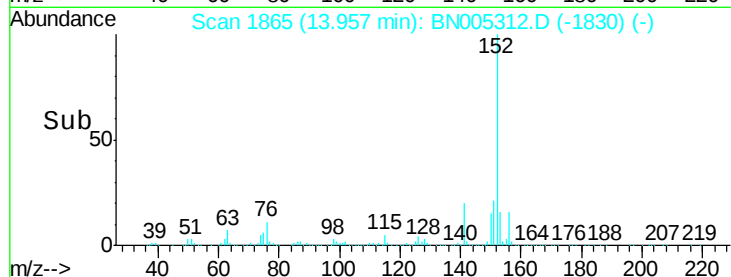
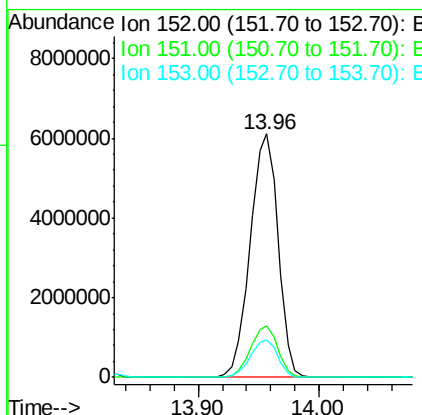
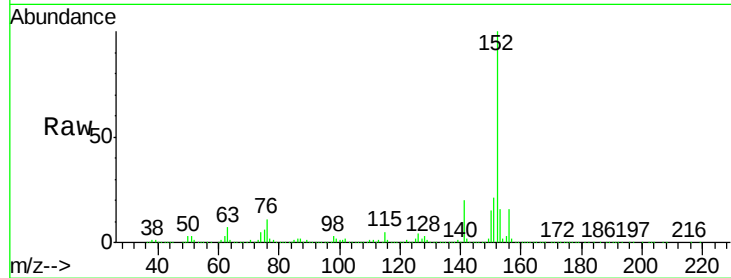
#47
Acenaphthylene
Concen: 84.348 ng/ul
RT: 13.96 min Scan# 1863
Delta R.T. 0.01 min
Lab File: BN005312.D
Acq: 26 Apr 2019 09:55

Instrument :
BNA_N
ClientSampleId :
GAHQ2

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.8	23.8
153	15.6	9.8	14.8

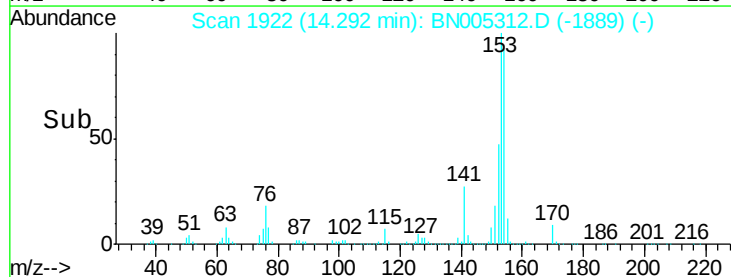
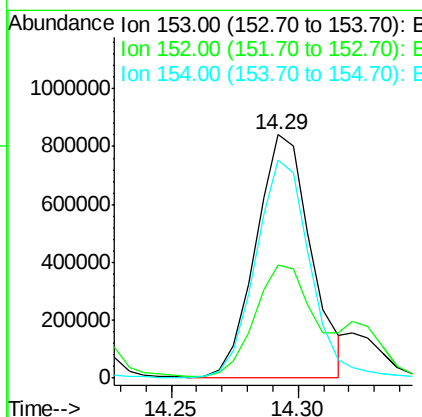
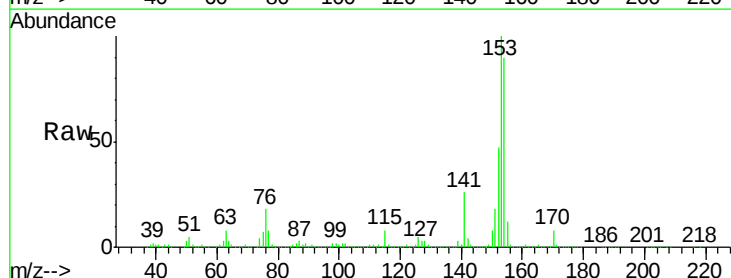
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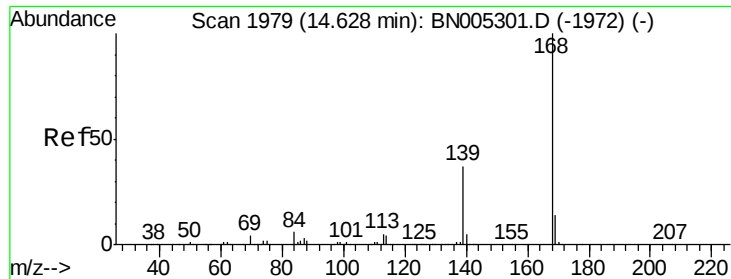
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#49
Acenaphthene
Concen: 15.917 ng/ul
RT: 14.29 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BN005312.D
Acq: 26 Apr 2019 09:55

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.6	37.4	56.0
154	89.6	71.2	106.8





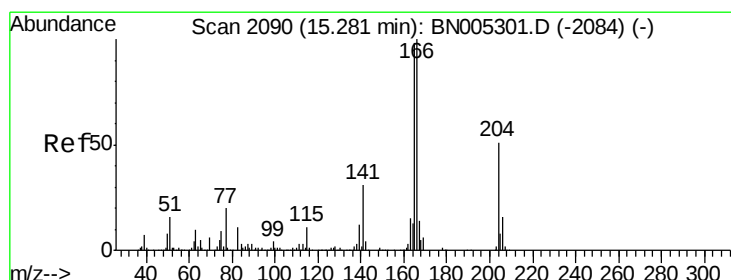
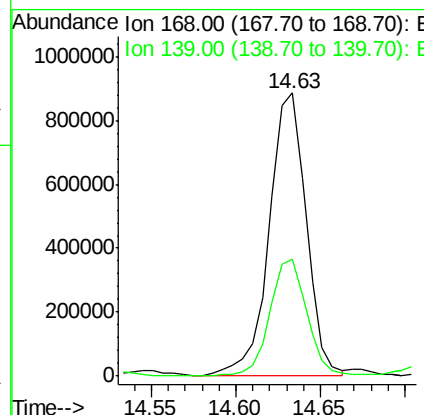
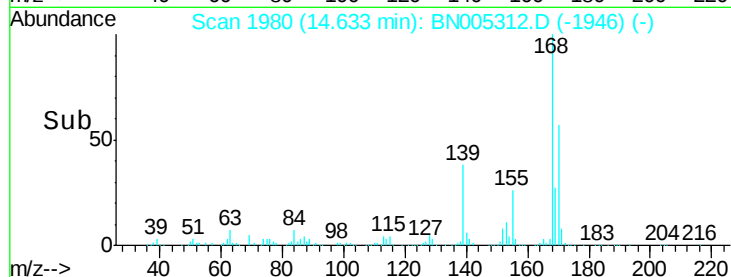
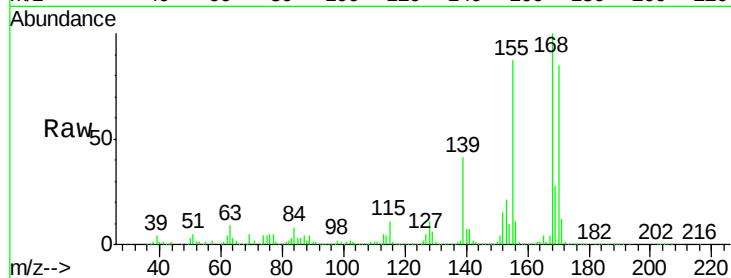
#53
Dibenzofuran
Concen: 11.656 ng/ul
RT: 14.63 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BN005312.D
Acq: 26 Apr 2019 09:55

Instrument :
BNA_N
ClientSampled :
GAHQ2

Tgt Ion:168 Resp: 1338564
Ion Ratio Lower Upper
168 100
139 41.3 30.9 46.3

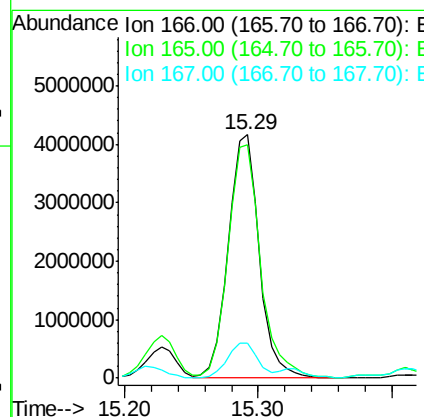
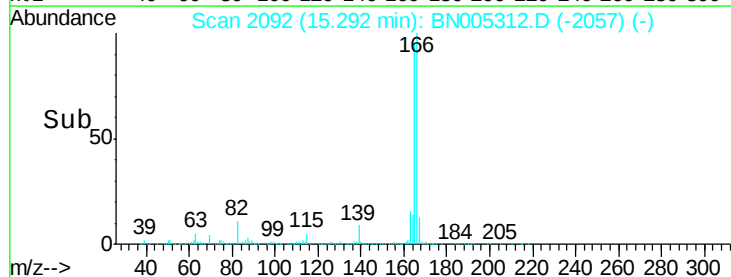
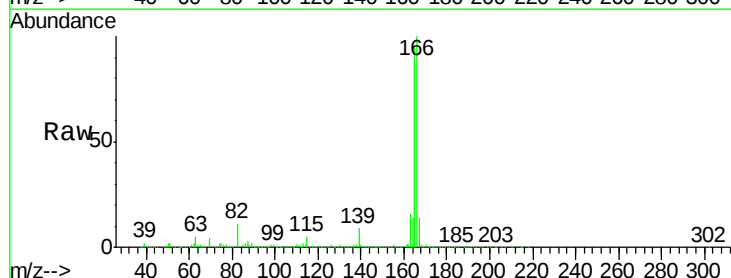
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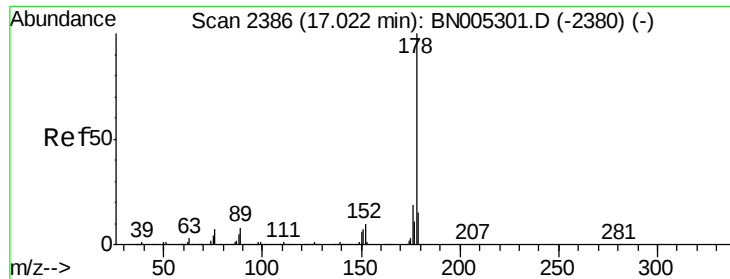
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#58
Fluorene
Concen: 75.118 ng/ul
RT: 15.29 min Scan# 2092
Delta R.T. 0.01 min
Lab File: BN005312.D
Acq: 26 Apr 2019 09:55

Tgt Ion:166 Resp: 6731121
Ion Ratio Lower Upper
166 100
165 96.0 80.0 120.0
167 14.1 10.7 16.1





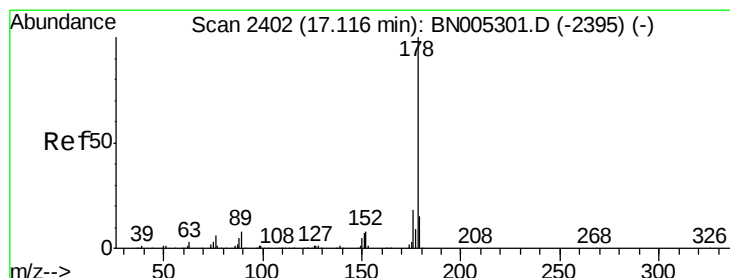
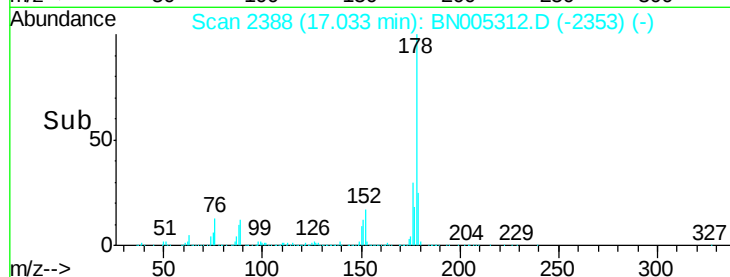
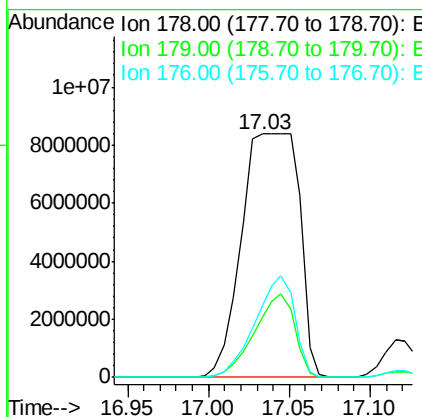
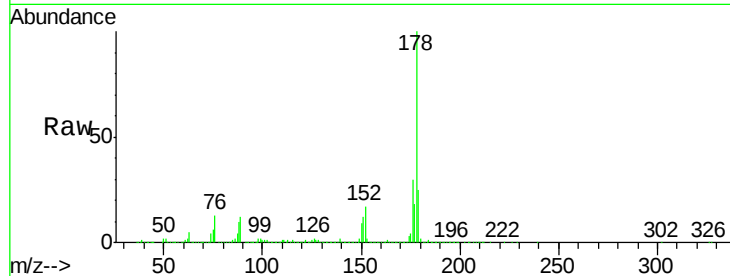
#69
Phenanthrene
Concen: 146.181 ng/ul m
RT: 17.03 min Scan# 2388
Delta R.T. 0.01 min
Lab File: BN005312.D
Acq: 26 Apr 2019 09:55

Instrument :
BNA_N
ClientSampled :
GAHQ2

Tgt Ion:178 Resp:20764137
Ion Ratio Lower Upper
178 100
179 24.9 12.2 18.4#
176 29.6 15.1 22.7#

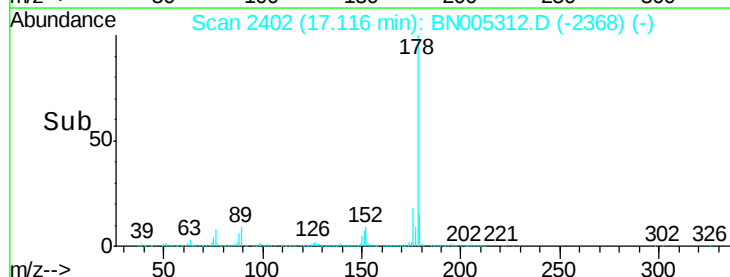
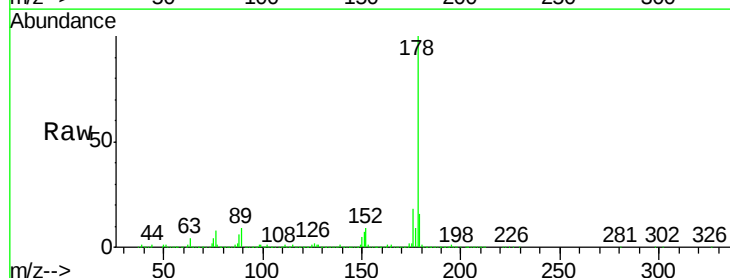
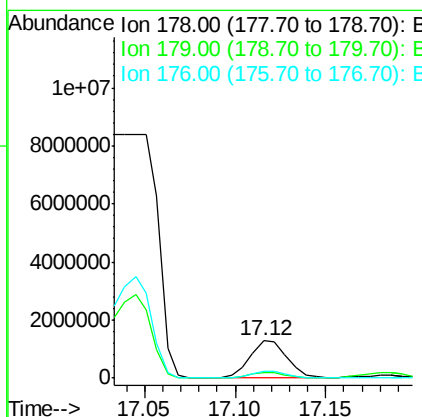
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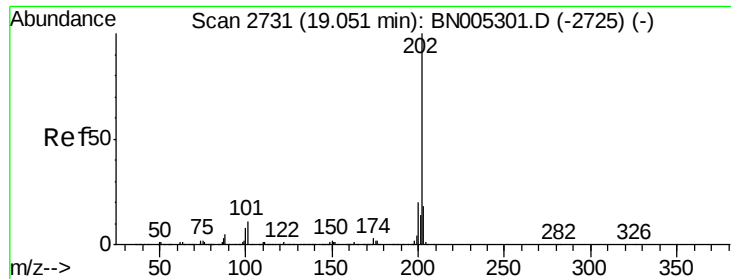
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#71
Anthracene
Concen: 12.158 ng/ul
RT: 17.12 min Scan# 2402
Delta R.T. 0.00 min
Lab File: BN005312.D
Acq: 26 Apr 2019 09:55

Tgt Ion:178 Resp: 1759206
Ion Ratio Lower Upper
178 100
179 15.7 12.3 18.5
176 18.0 15.1 22.7





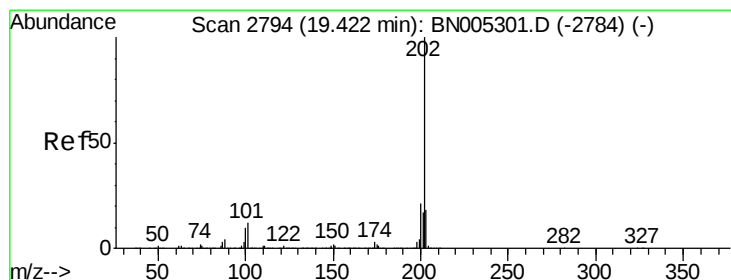
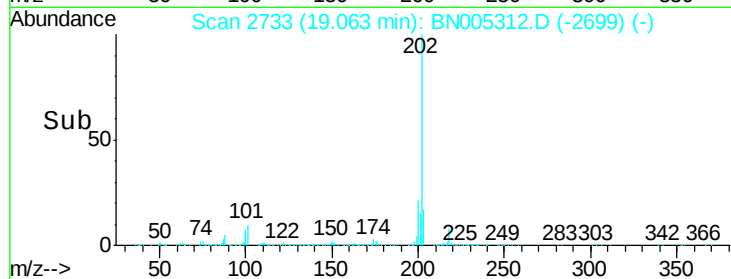
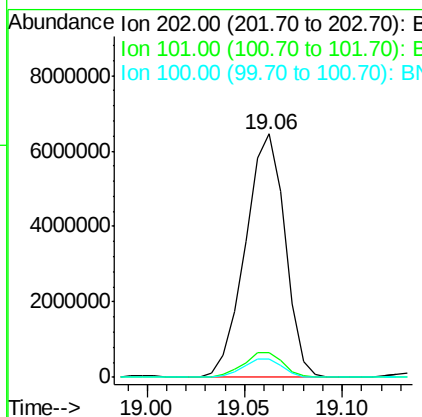
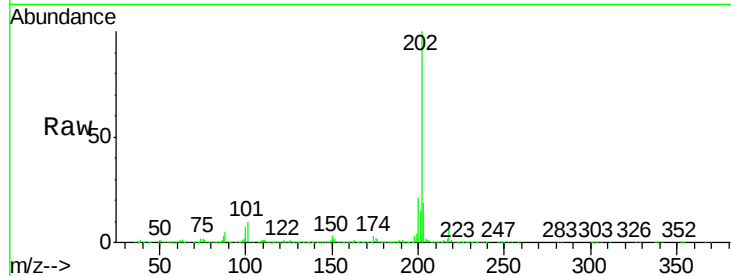
#76
Fluoranthene
Concen: 57.610 ng/u1
RT: 19.06 min Scan# 2733
Delta R.T. 0.00 min
Lab File: BN005312.D
Acq: 26 Apr 2019 09:55

Instrument :
BNA_N
ClientSampleId :
GAHQ2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.6	12.8
100	7.5	6.3	9.5

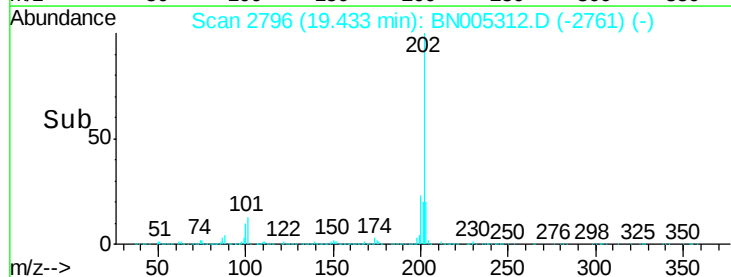
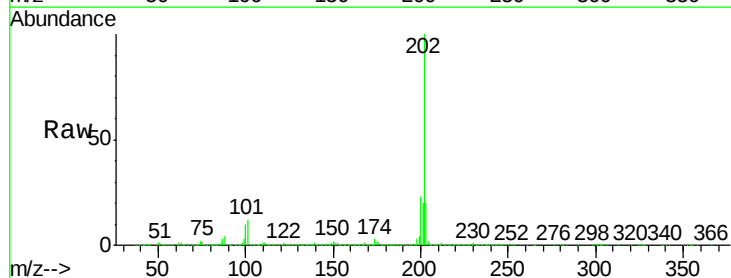
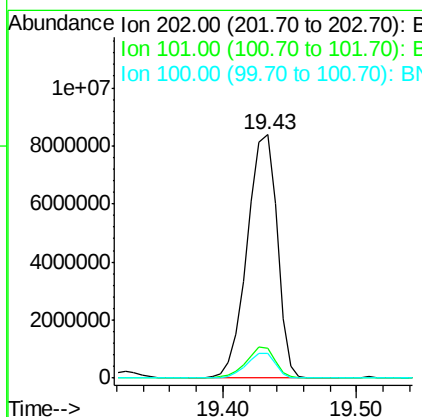
Manual Integrations
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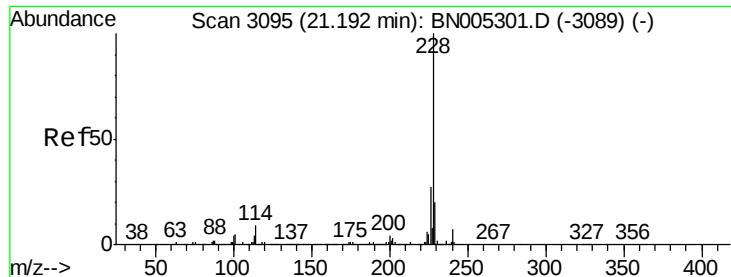
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#79
Pyrene
Concen: 80.204 ng/u1
RT: 19.43 min Scan# 2796
Delta R.T. 0.01 min
Lab File: BN005312.D
Acq: 26 Apr 2019 09:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	10.3	15.5
100	10.2	7.9	11.9





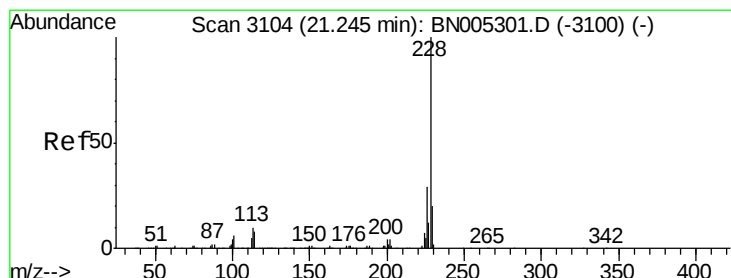
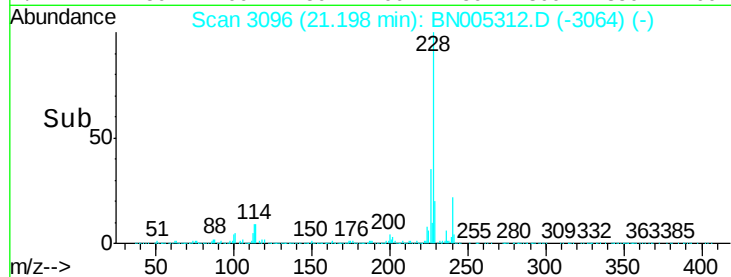
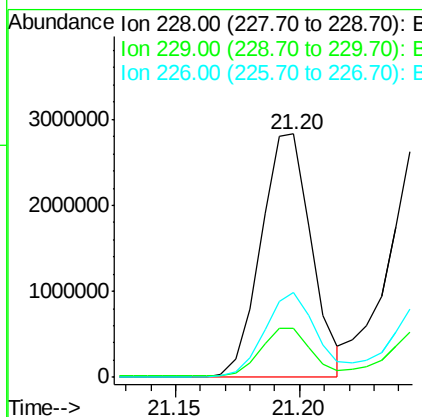
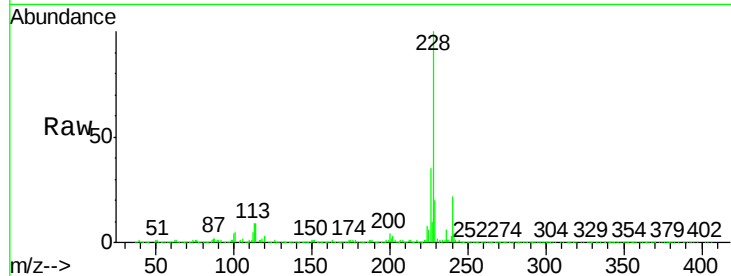
#82
Benzo(a)anthracene
Concen: 25.882 ng/u1 m
RT: 21.20 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BN005312.D
Acq: 26 Apr 2019 09:55

Instrument :
BNA_N
ClientSampleId :
GAHQ2

Tgt Ion:228 Resp: 4037779
Ion Ratio Lower Upper
228 100
229 20.2 15.8 23.6
226 35.1 21.4 32.2#

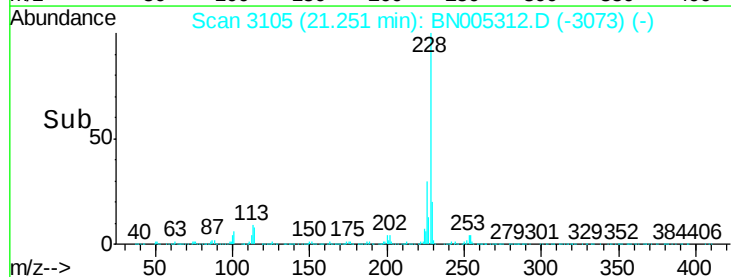
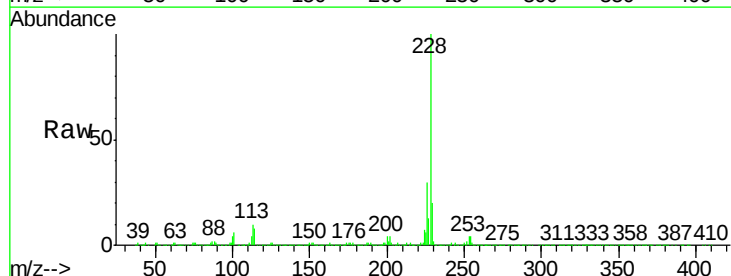
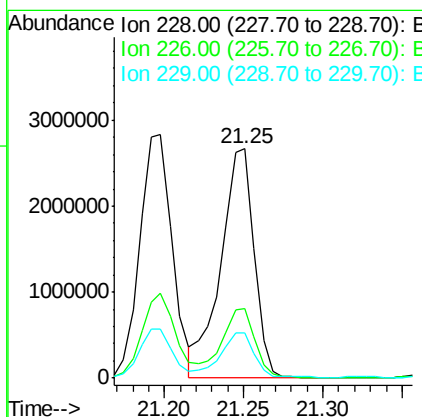
Manual Integrations
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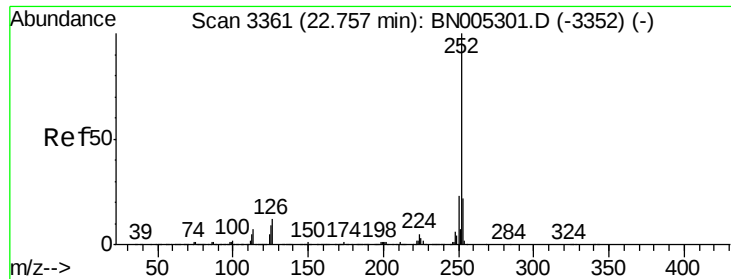
Sohil
4/26/2019 6:22:15 PM



#84
Chrysene
Concen: 26.796 ng/u1
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BN005312.D
Acq: 26 Apr 2019 09:55

Tgt Ion:228 Resp: 3879811
Ion Ratio Lower Upper
228 100
226 30.1 24.0 36.0
229 19.9 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 17.206 ng/u1

RT: 22.76 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BN005312.D

Acq: 26 Apr 2019 09:55

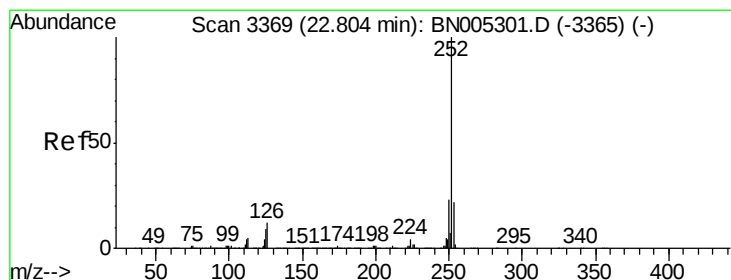
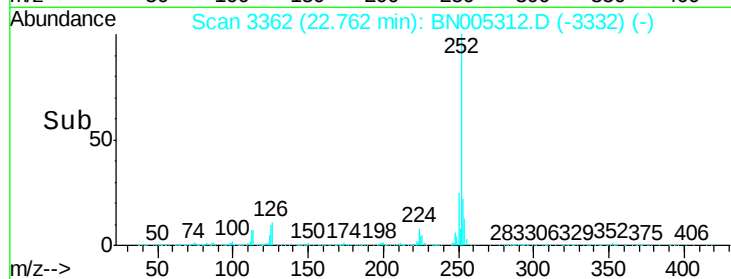
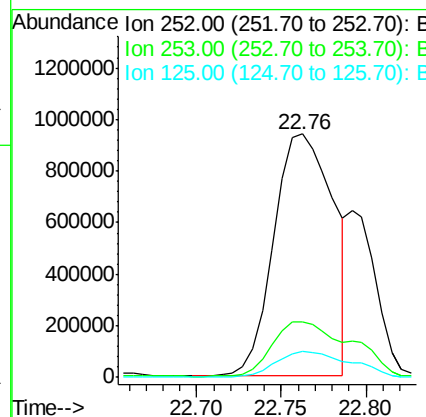
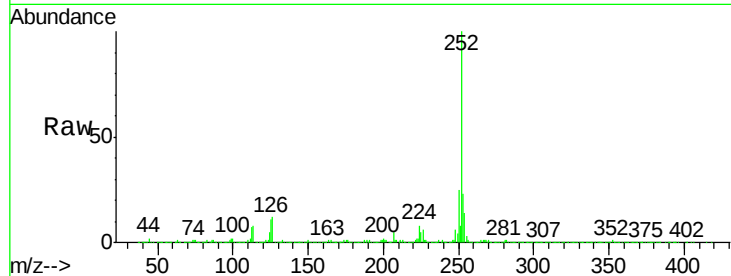
Instrument :
BNA_N
ClientSampleId :
GAHQ2

Tgt Ion:252 Resp: 2291029

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	10.5	8.4	12.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 5.823 ng/u1 m

RT: 22.79 min Scan# 3367

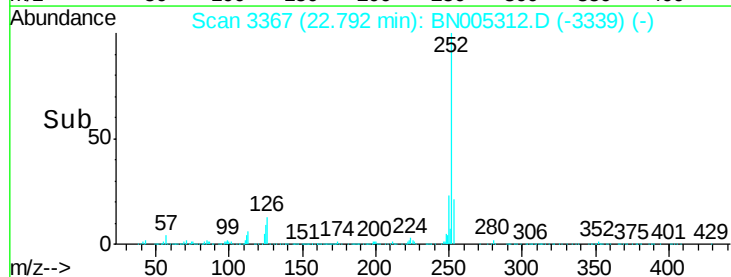
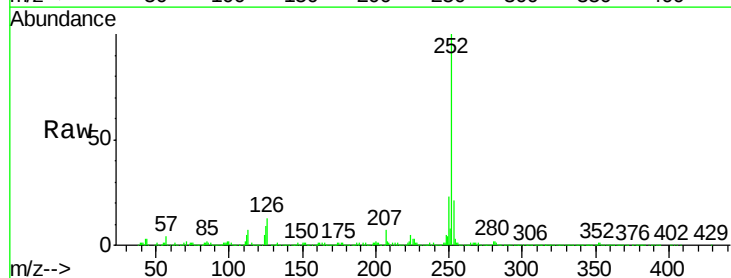
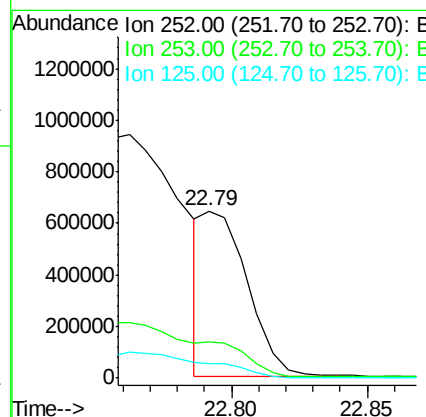
Delta R.T. -0.04 min

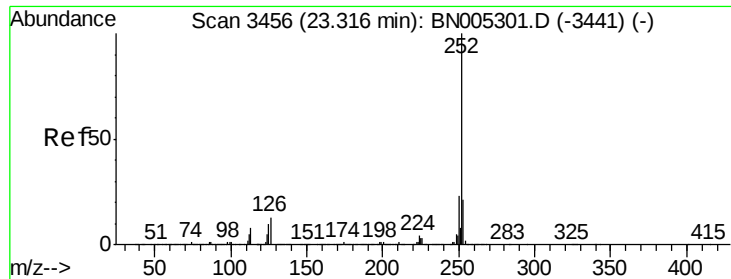
Lab File: BN005312.D

Acq: 26 Apr 2019 09:55

Tgt Ion:252 Resp: 740557

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	8.9	7.5	11.3





#90

Benzo(a)pyrene

Concen: 6.290 ng/ul

RT: 23.31 min Scan# 3456

Delta R.T. -0.04 min

Lab File: BN005312.D

Acq: 26 Apr 2019 09:55

Instrument :

BNA_N

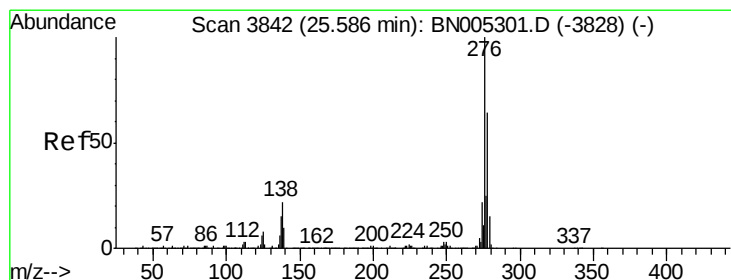
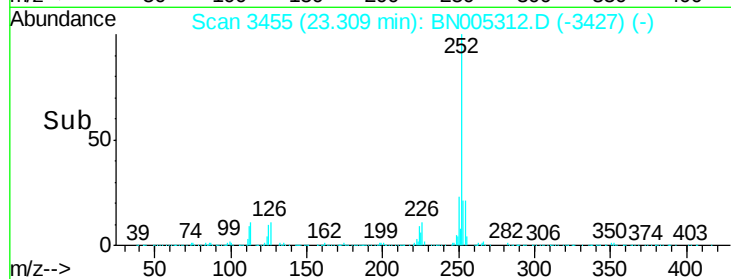
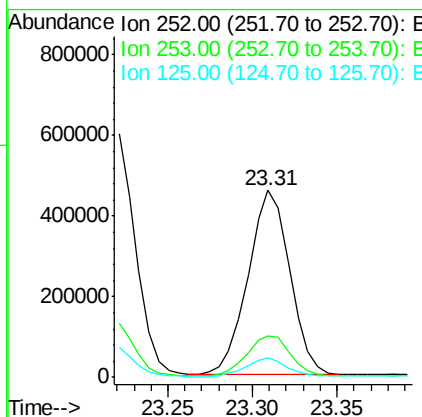
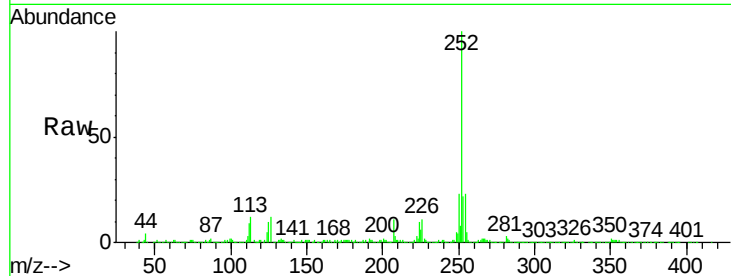
ClientSampleId :

GAHQ2

Tgt Ion:	252	Resp:	787307
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.3	25.9
125	10.2	8.6	13.0

Manual Integrations
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#91

Indeno(1,2,3-cd)pyrene

Concen: 6.150 ng/ul

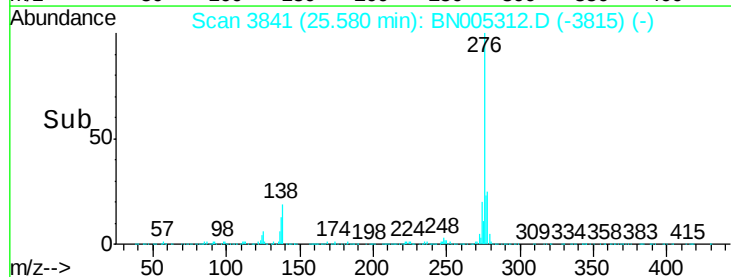
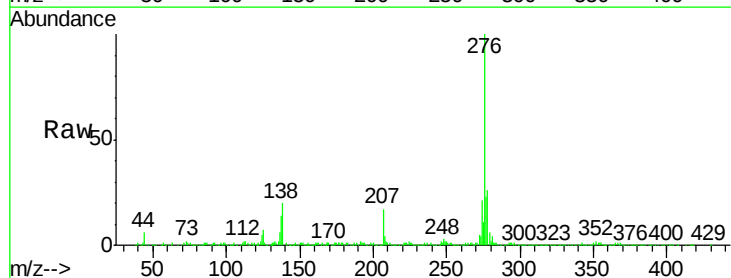
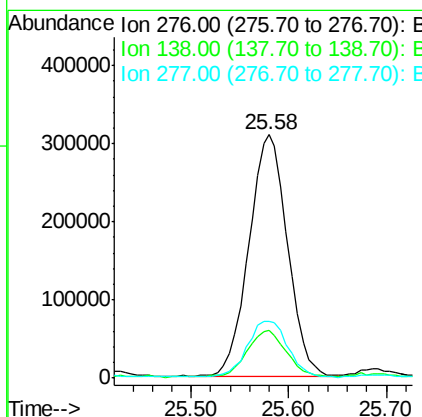
RT: 25.58 min Scan# 3841

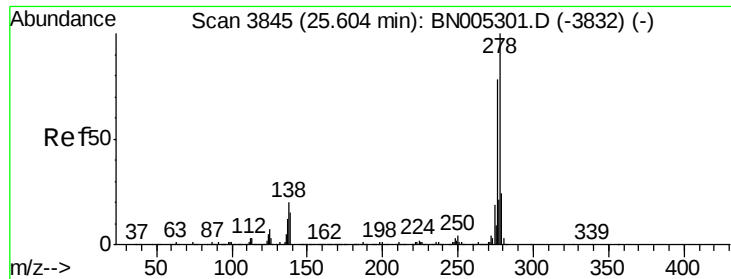
Delta R.T. -0.05 min

Lab File: BN005312.D

Acq: 26 Apr 2019 09:55

Tgt Ion:	276	Resp:	850968
Ion Ratio	Lower	Upper	
276	100		
138	19.5	17.9	26.9
277	23.5	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 2.232 ng/ul

RT: 25.59 min Scan# 3842

Delta R.T. -0.05 min

Lab File: BN005312.D

Acq: 26 Apr 2019 09:55

Instrument :

BNA_N

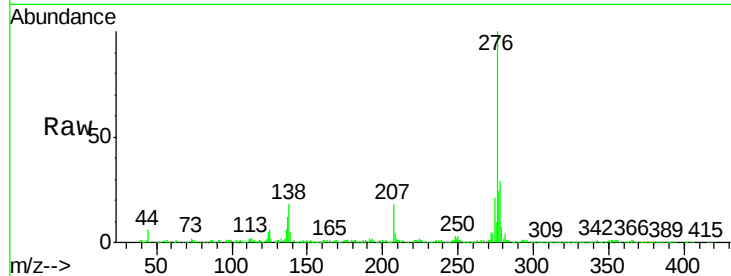
ClientSampled :

GAHQ2

Tgt Ion:	278	Resp:	262126
Ion Ratio	Lower	Upper	
278	100		
139	17.3	13.1	19.7
279	23.4	19.4	29.0

Manual Integrations
APPROVED

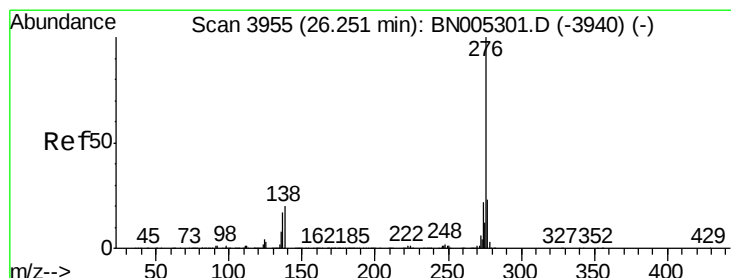
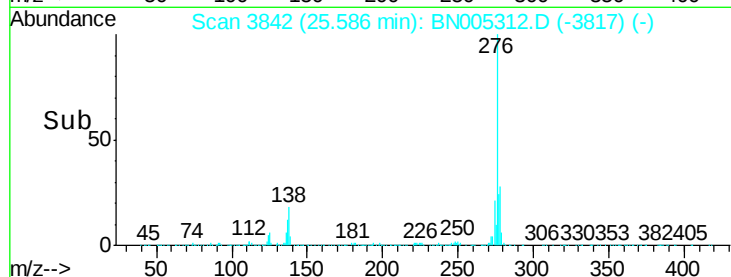
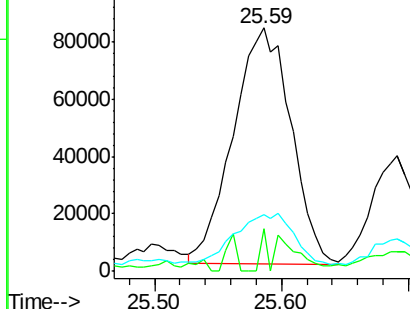
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Abundance Ion 278.00 (277.70 to 278.70): E

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: 5.575 ng/ul

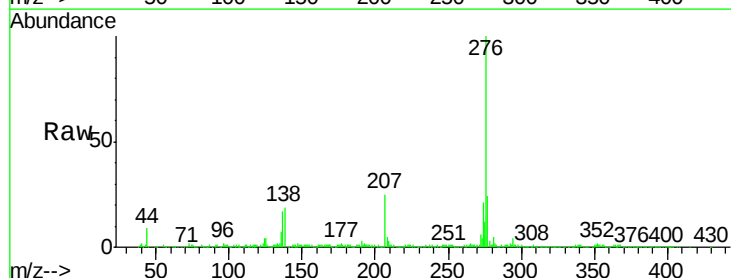
RT: 26.24 min Scan# 3954

Delta R.T. -0.05 min

Lab File: BN005312.D

Acq: 26 Apr 2019 09:55

Tgt Ion:	276	Resp:	637858
Ion Ratio	Lower	Upper	
276	100		
138	18.6	16.7	25.1
277	24.2	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

