

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
 Data File : BN005313.D
 Acq On : 26 Apr 2019 10:30
 Operator : JU/SJ
 Sample : K2456-03 20X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3

Manual Integrations
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Quant Time: Apr 26 12:29:44 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	456965	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1931720	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1154749	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2624634	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2320458	20.00	ng/ul	-0.01
85) Perylene-d12	23.41	264	2180494	20.00	ng/ul	-0.03

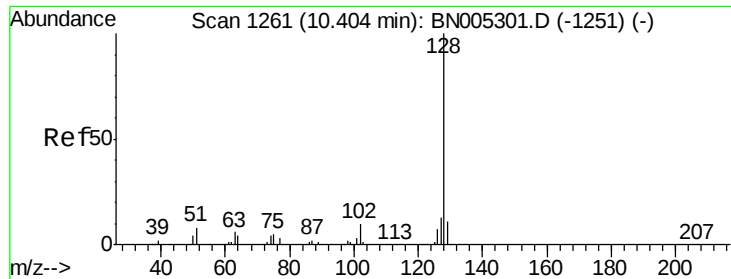
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1433	0.15	ng/uL	0.00
5) Phenol-d5	6.78	99	38991	1.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	25968	1.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	33158	1.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	31041	1.11	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	20021	1.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	16689	1.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	34179	1.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	31751	1.11	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	131960	1.57	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	153857	1.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	12335	0.93	ng/ul	0.00
57) Fluorene-d10	15.23	176	116027	1.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	6224	0.53	ng/ul	0.00
70) Anthracene-d10	17.09	188	169773	1.54	ng/ul	0.00
78) Pyrene-d10	19.40	212	190007	1.60	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	142522	1.50	ng/ul	-0.03

Target Compounds

					Qvalue
28) Naphthalene	10.41	128	27659236m	308.001	ng/ul
34) 2-Methylnaphthalene	12.04	142	14218942	216.243	ng/ul 99
40) 1,1'-Biphenyl	13.06	154	2968724	34.504	ng/ul 98
47) Acenaphthylene	13.95	152	9130274	90.239	ng/ul# 96
49) Acenaphthene	14.29	153	942168	13.640	ng/ul 97
53) Dibenzofuran	14.63	168	1002680	10.082	ng/ul 99
58) Fluorene	15.29	166	6455724	83.189	ng/ul 96
69) Phenanthrene	17.03	178	19518794m	152.701	ng/ul
71) Anthracene	17.12	178	7211067	55.379	ng/ul 99
74) Carbazole	17.39	167	237638	2.124	ng/ul 98
76) Fluoranthene	19.06	202	11406157	80.449	ng/ul 100
79) Pyrene	19.43	202	14583286	97.608	ng/ul 97
82) Benzo(a)anthracene	21.20	228	5830213m	40.388	ng/ul
84) Chrysene	21.25	228	5105782	38.110	ng/ul 98
87) Benzo(b)fluoranthene	22.76	252	3589069	29.281	ng/ul 99
88) Benzo(k)fluoranthene	22.80	252	911434m	7.786	ng/ul
90) Benzo(a)pyrene	23.32	252	3831794	33.259	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.58	276	1321476	10.374	ng/ul 97
92) Dibenzo(a,h)anthracene	25.59	278	396830	3.671	ng/ul# 84
93) Benzo(g,h,i)perylene	26.25	276	1122761	10.660	ng/ul 97

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



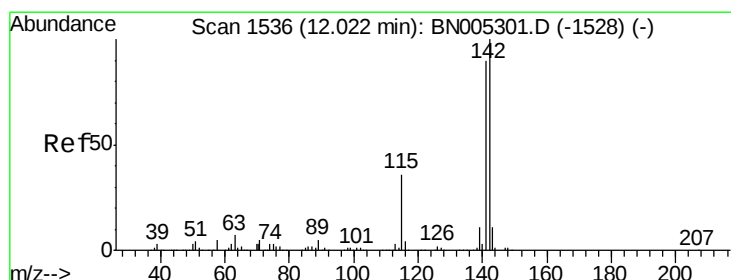
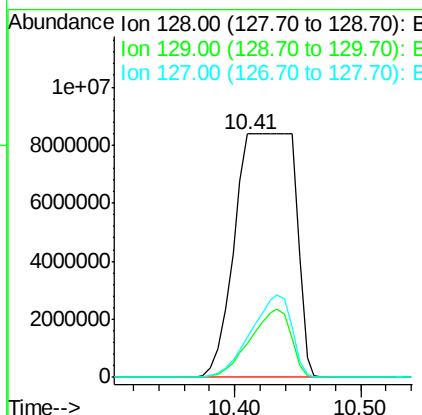
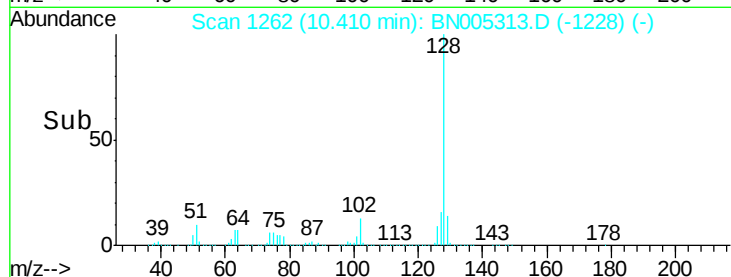
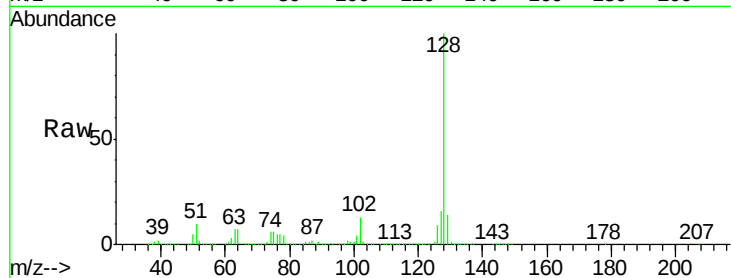
#28
Naphthalene
Concen: 308.001 ng/ul m
RT: 10.41 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BN005313.D
Acq: 26 Apr 2019 10:30

Instrument :
BNA_N
ClientSampleId :
GAHS3

Tgt Ion:128 Resp:27659236
Ion Ratio Lower Upper
128 100
129 13.9 9.2 13.8#
127 16.3 10.7 16.1#

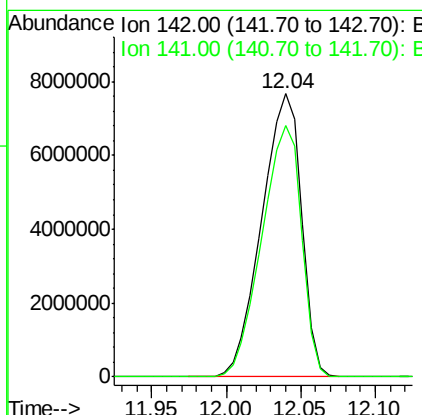
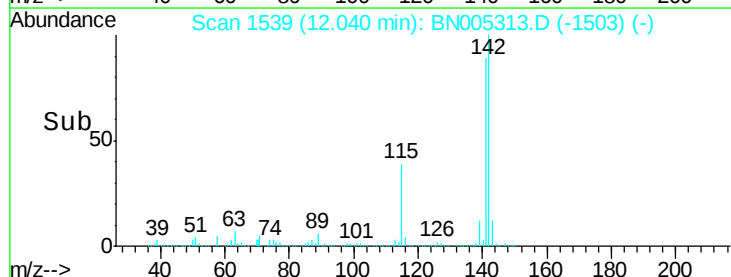
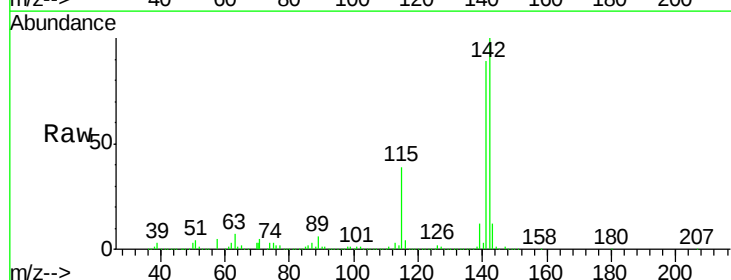
Manual Integrations
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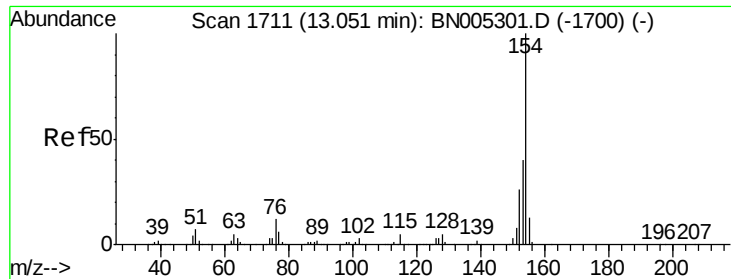
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#34
2-Methylnaphthalene
Concen: 216.243 ng/ul
RT: 12.04 min Scan# 1539
Delta R.T. 0.01 min
Lab File: BN005313.D
Acq: 26 Apr 2019 10:30

Tgt Ion:142 Resp:14218942
Ion Ratio Lower Upper
142 100
141 89.0 72.0 108.0





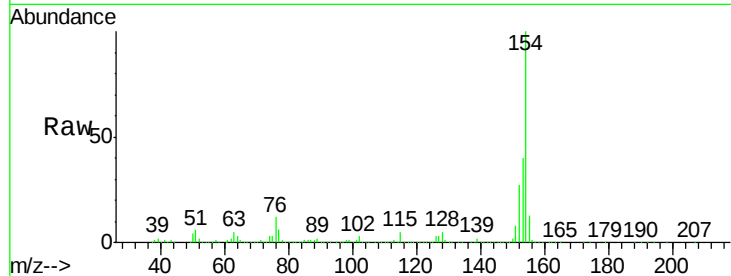
#40
 1,1'-Biphenyl
 Concen: 34.504 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BN005313.D
 Acq: 26 Apr 2019 10:30

Instrument :
 BNA_N
 ClientSampled :
 GAHS3

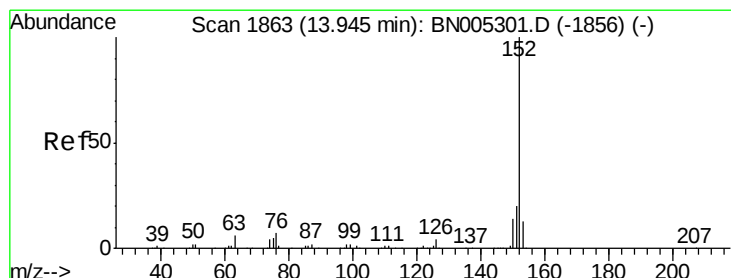
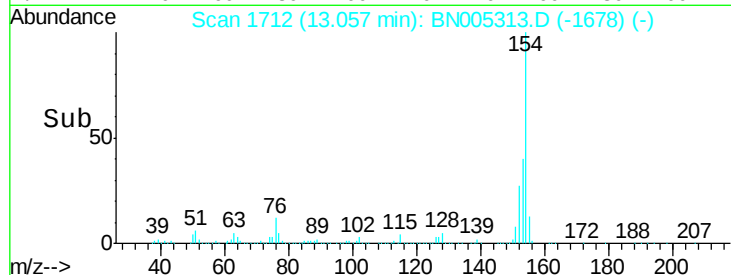
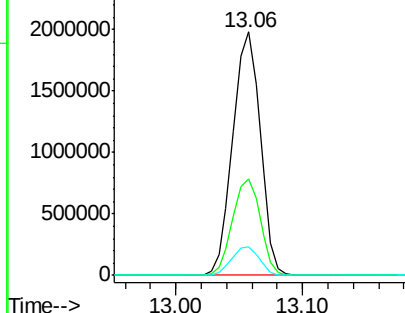
Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.9	32.6	49.0
76	11.6	10.4	15.6

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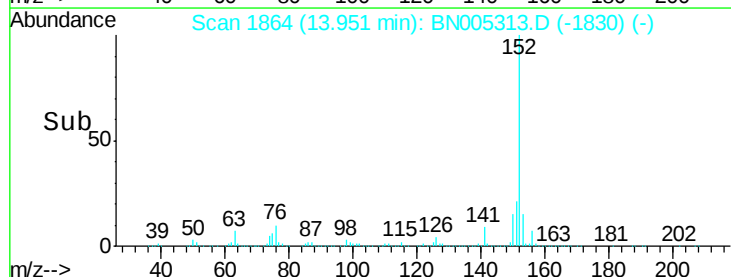
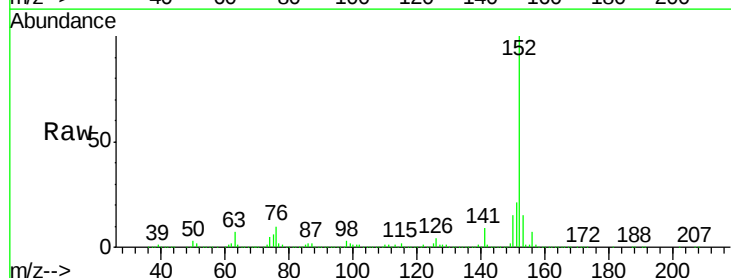
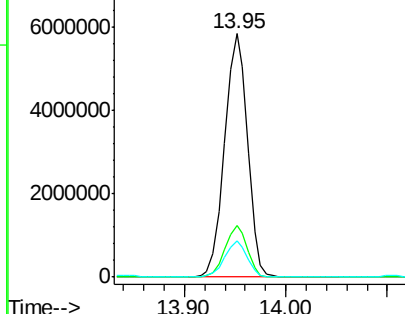
Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNC

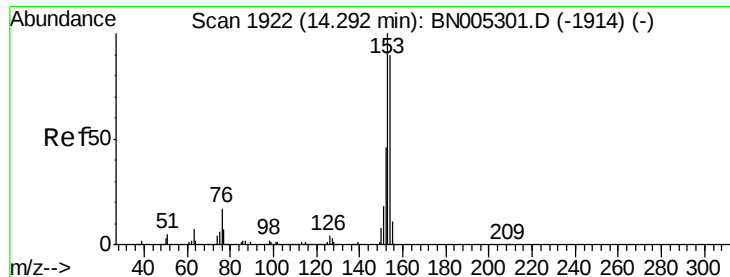


#47
 Acenaphthylene
 Concen: 90.239 ng/ul
 RT: 13.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: BN005313.D
 Acq: 26 Apr 2019 10:30

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

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





#49

Acenaphthene

Concen: 13.640 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005313.D

Acq: 26 Apr 2019 10:30

Instrument :

BNA_N

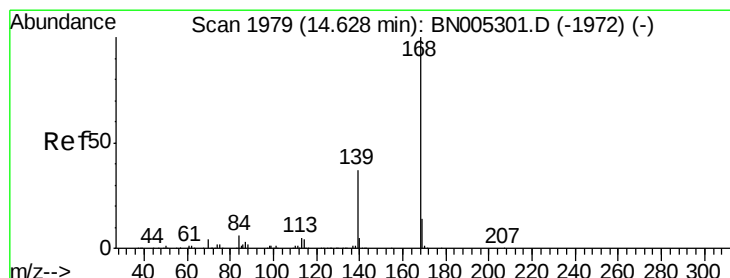
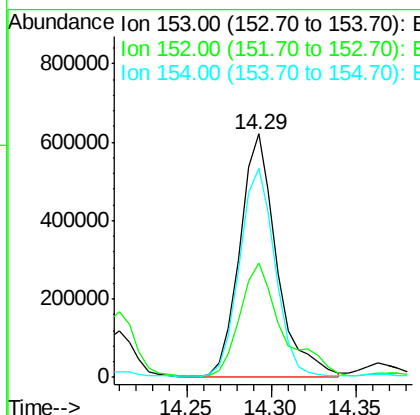
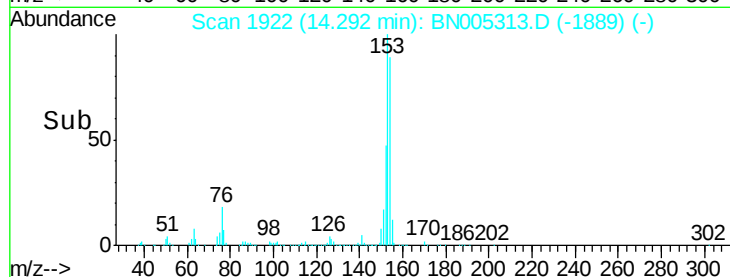
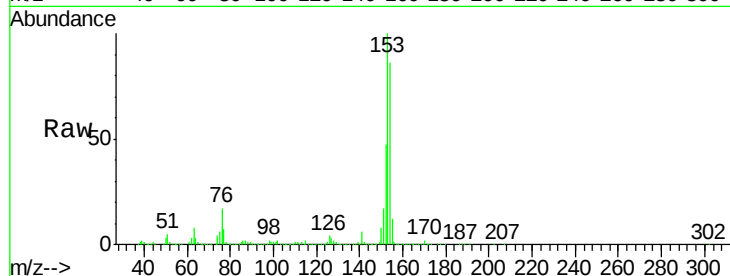
ClientSampleId :

GAHS3

Tgt Ion:	153	Resp:	942168
Ion Ratio	Lower	Upper	
153	100		
152	47.2	37.4	56.0
154	85.7	71.2	106.8

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4/26/2019 6:22:18 PM



#53

Dibenzofuran

Concen: 10.082 ng/ul

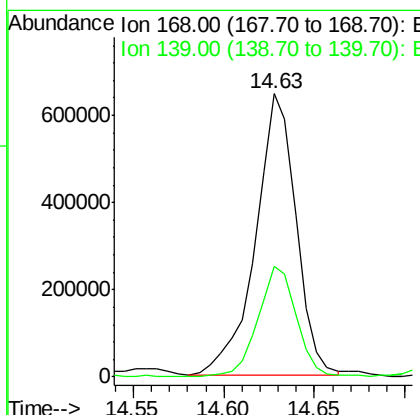
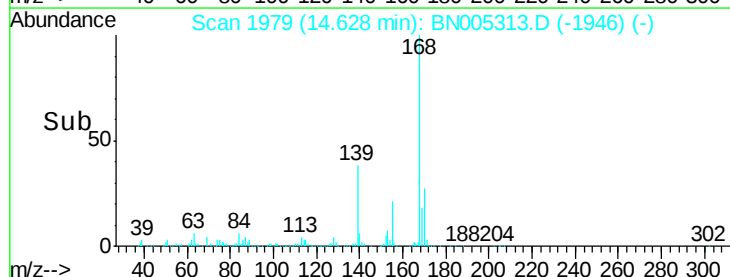
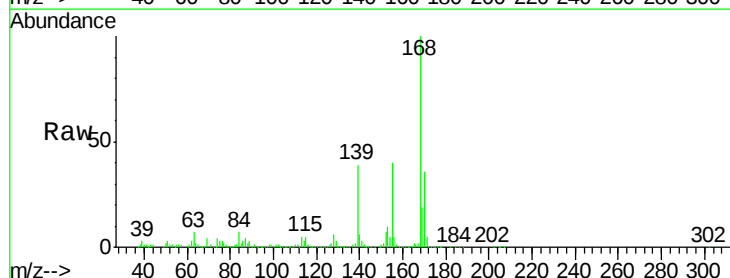
RT: 14.63 min Scan# 1979

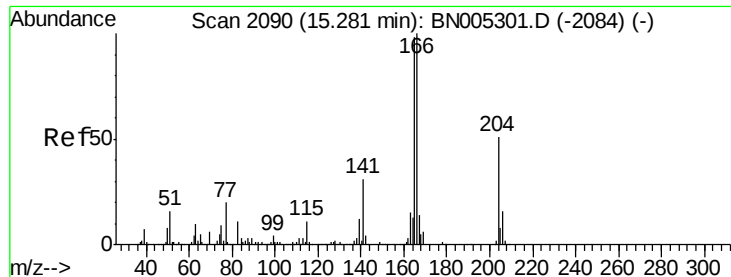
Delta R.T. -0.01 min

Lab File: BN005313.D

Acq: 26 Apr 2019 10:30

Tgt Ion:	168	Resp:	1002680
Ion Ratio	Lower	Upper	
168	100		
139	39.2	30.9	46.3





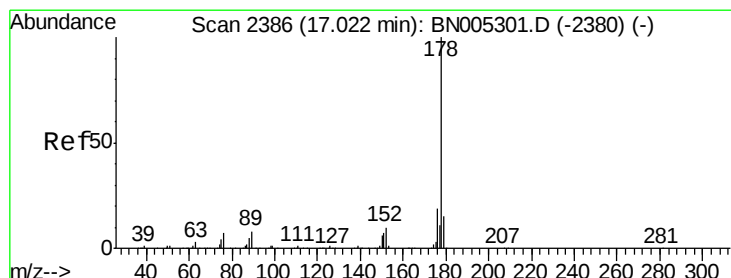
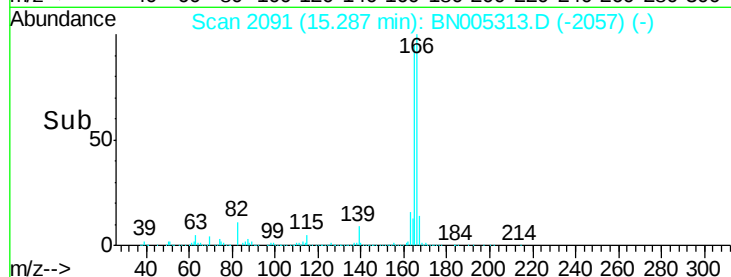
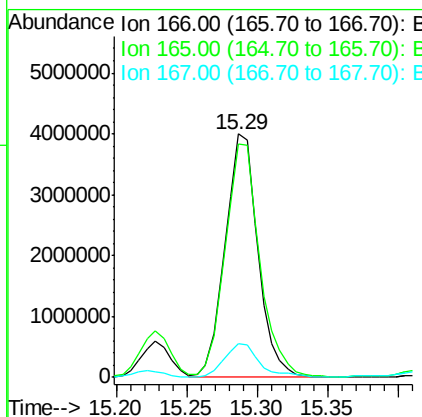
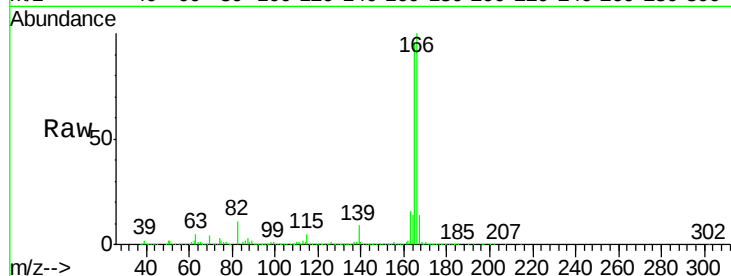
#58
 Fluorene
 Concen: 83.189 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. 0.00 min
 Lab File: BN005313.D
 Acq: 26 Apr 2019 10:30

Instrument :
 BNA_N
 ClientSampled :
 GAHS3

Tgt Ion:166 Resp: 6455724
 Ion Ratio Lower Upper
 166 100
 165 96.1 80.0 120.0
 167 13.8 10.7 16.1

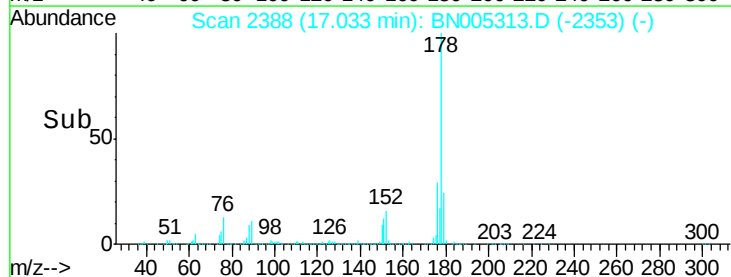
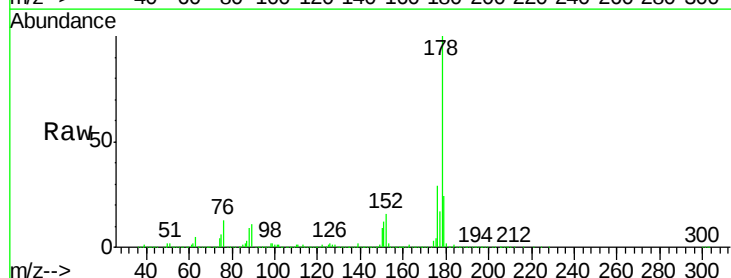
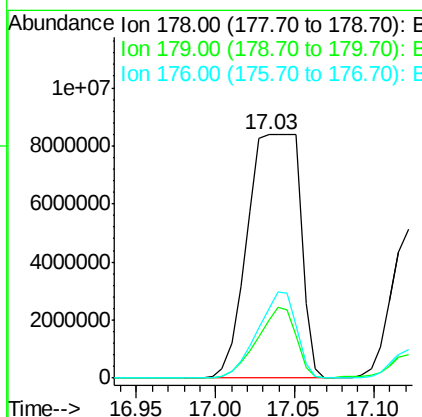
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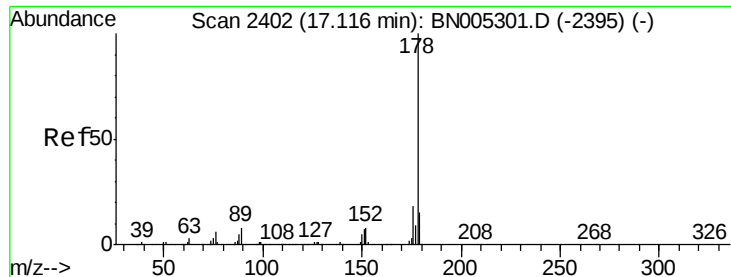
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#69
 Phenanthrene
 Concen: 152.701 ng/ul m
 RT: 17.03 min Scan# 2388
 Delta R.T. 0.01 min
 Lab File: BN005313.D
 Acq: 26 Apr 2019 10:30

Tgt Ion:178 Resp:19518794
 Ion Ratio Lower Upper
 178 100
 179 23.7 12.2 18.4#
 176 28.5 15.1 22.7#





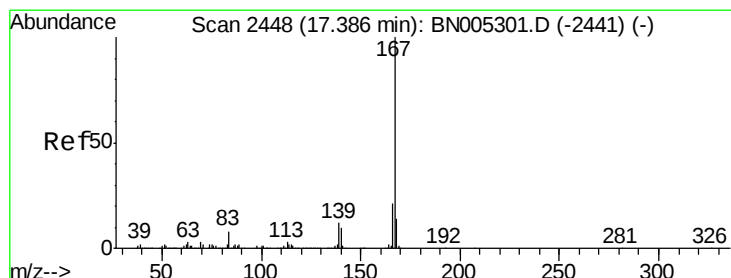
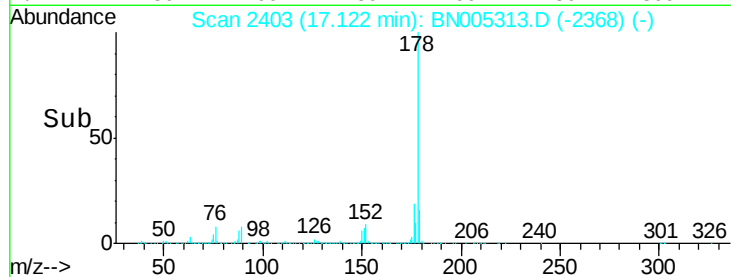
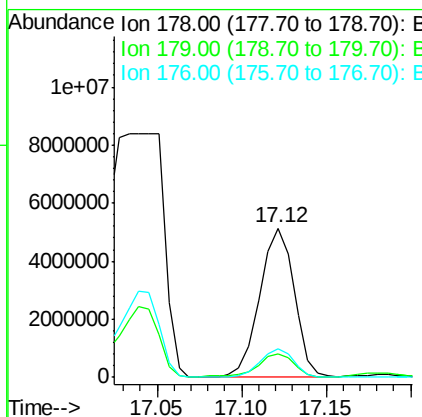
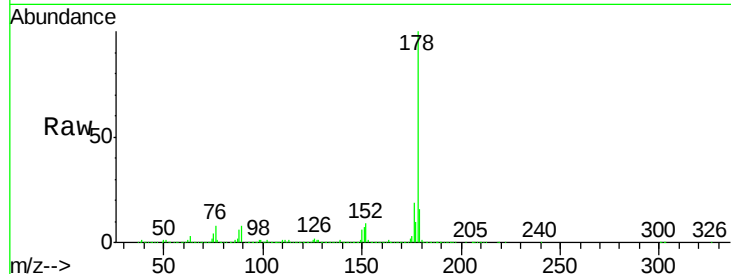
#71
 Anthracene
 Concen: 55.379 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.01 min
 Lab File: BN005313.D
 Acq: 26 Apr 2019 10:30

Instrument :
 BNA_N
 ClientSampled :
 GAHS3

Tgt Ion:178 Resp: 7211067
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.3 18.5
 176 18.8 15.1 22.7

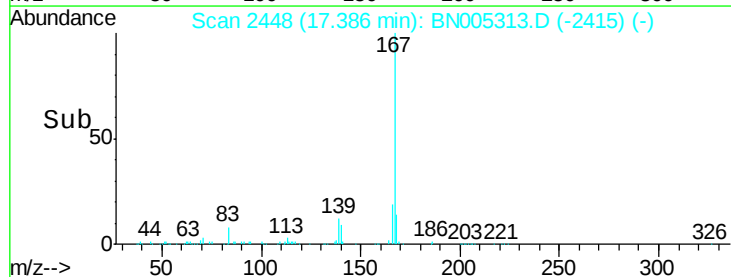
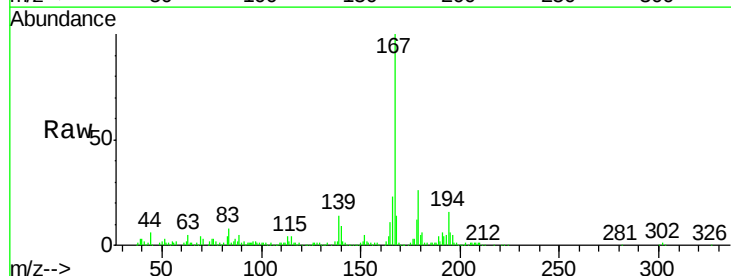
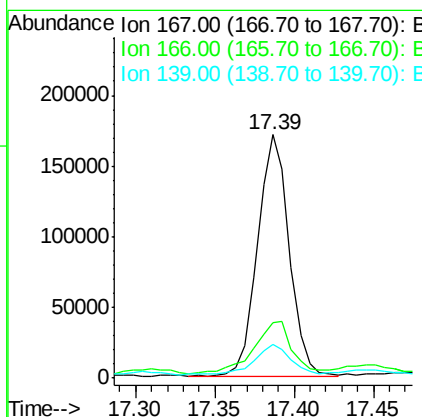
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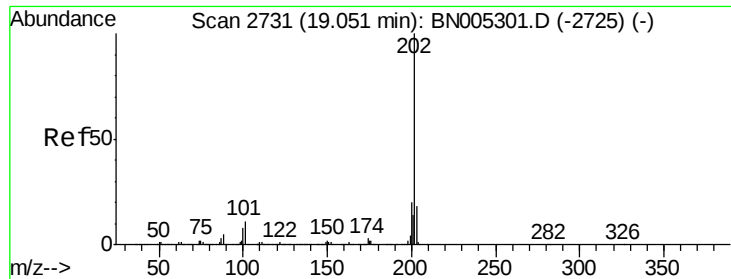
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#74
 Carbazole
 Concen: 2.124 ng/ul
 RT: 17.39 min Scan# 2448
 Delta R.T. -0.01 min
 Lab File: BN005313.D
 Acq: 26 Apr 2019 10:30

Tgt Ion:167 Resp: 237638
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.2 25.8
 139 14.0 10.6 16.0





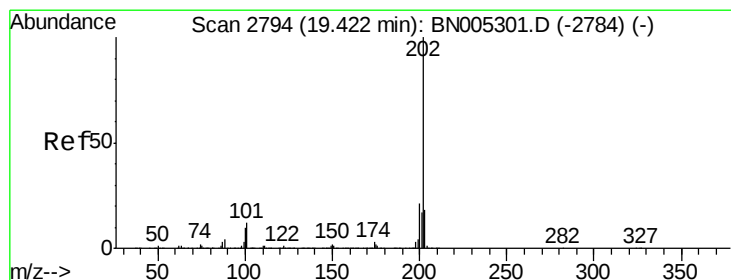
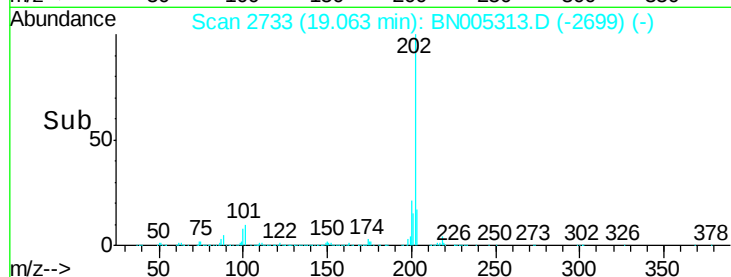
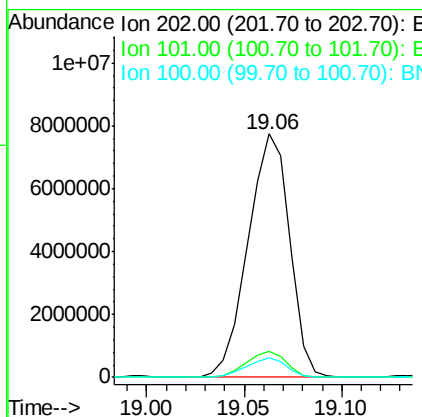
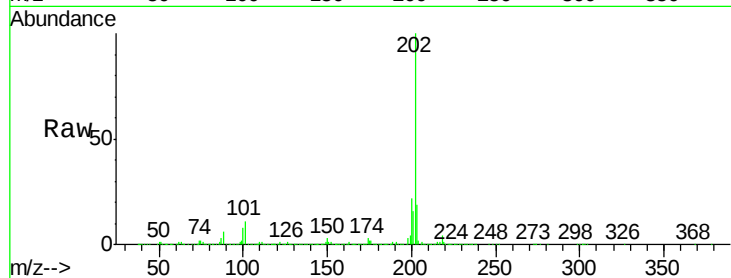
#76
Fluoranthene
Concen: 80.449 ng/ul
RT: 19.06 min Scan# 2733
Delta R.T. 0.00 min
Lab File: BN005313.D
Acq: 26 Apr 2019 10:30

Instrument :
BNA_N
ClientSampled :
GAHS3

Tgt Ion:202 Resp:11406157
Ion Ratio Lower Upper
202 100
101 10.5 8.6 12.8
100 8.0 6.3 9.5

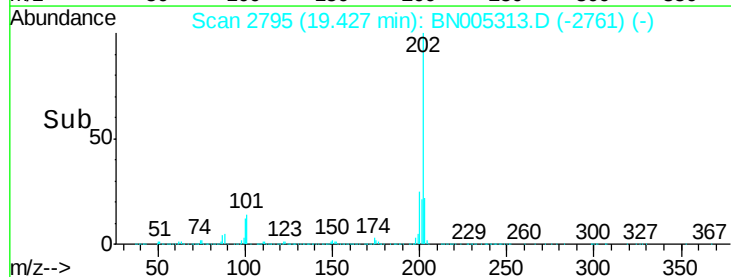
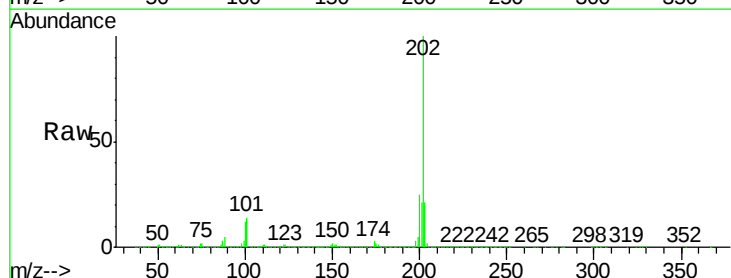
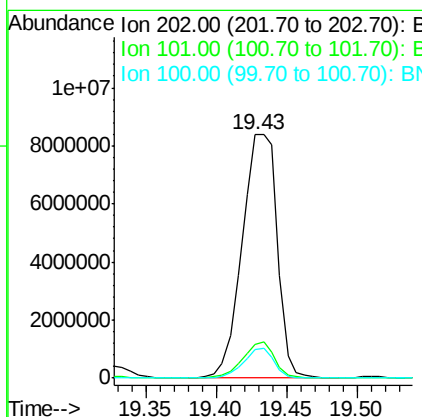
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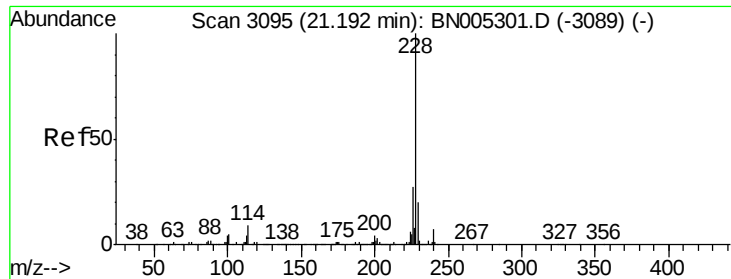
Sohil
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#79
Pyrene
Concen: 97.608 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BN005313.D
Acq: 26 Apr 2019 10:30

Tgt Ion:202 Resp:14583286
Ion Ratio Lower Upper
202 100
101 13.9 10.3 15.5
100 11.5 7.9 11.9





#82

Benzo(a)anthracene

Concen: 40.388 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BN005313.D

Acq: 26 Apr 2019 10:30

Instrument :

BNA_N

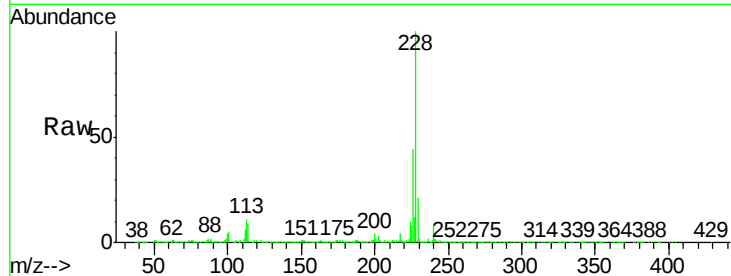
ClientSampled :

GAHS3

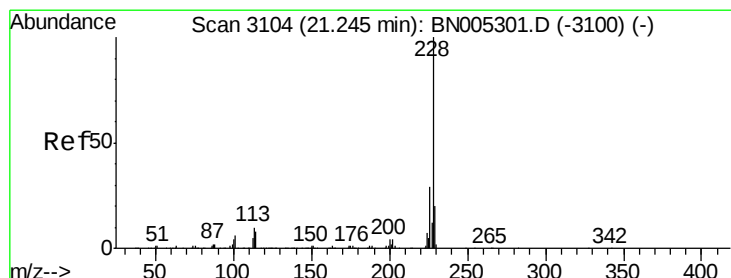
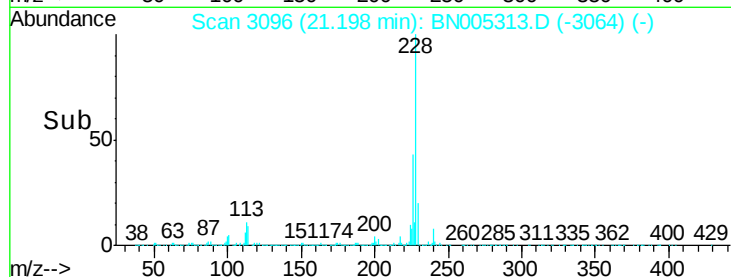
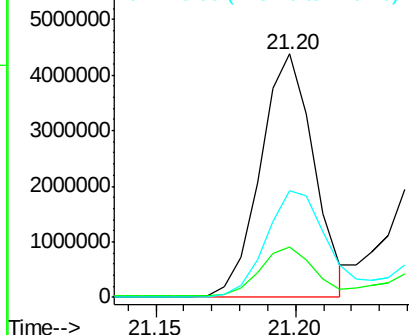
Tgt Ion:	228	Resp:	5830213
Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.8	23.6
226	43.7	21.4	32.2#

Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
6000000
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#84

Chrysene

Concen: 38.110 ng/ul

RT: 21.25 min Scan# 3105

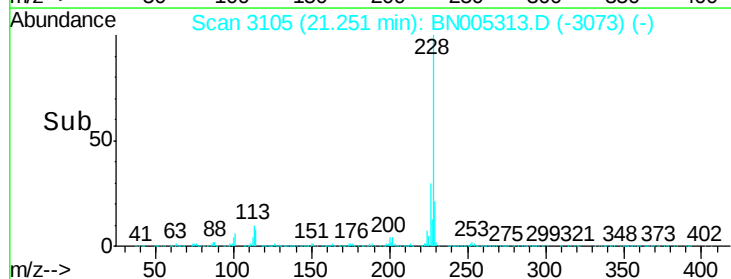
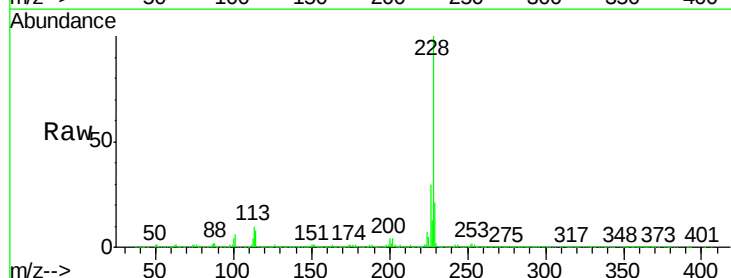
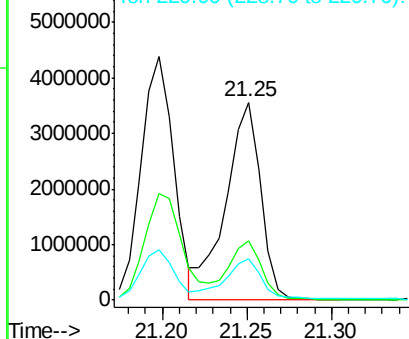
Delta R.T. -0.01 min

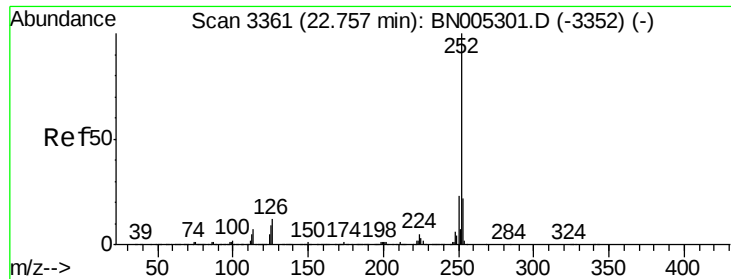
Lab File: BN005313.D

Acq: 26 Apr 2019 10:30

Tgt Ion:	228	Resp:	5105782
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	20.8	15.4	23.0

Abundance Ion 228.00 (227.70 to 228.70): E
6000000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 29.281 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BN005313.D

Acq: 26 Apr 2019 10:30

Instrument :

BNA_N

ClientSampled :

GAHS3

Tgt Ion:252 Resp: 3589069

Ion Ratio Lower Upper

252 100

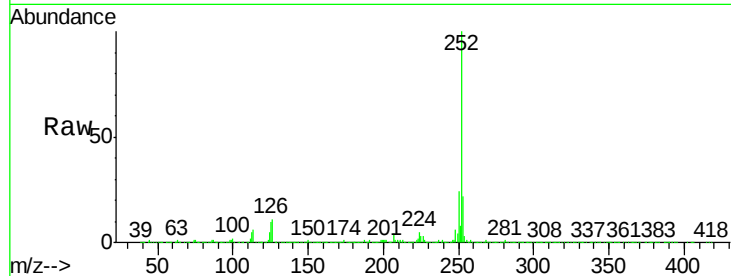
253 22.2 17.7 26.5

125 9.9 8.4 12.6

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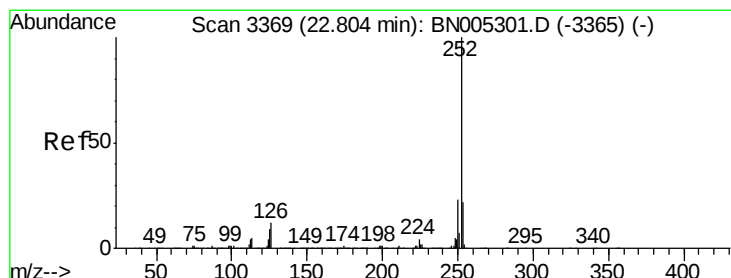
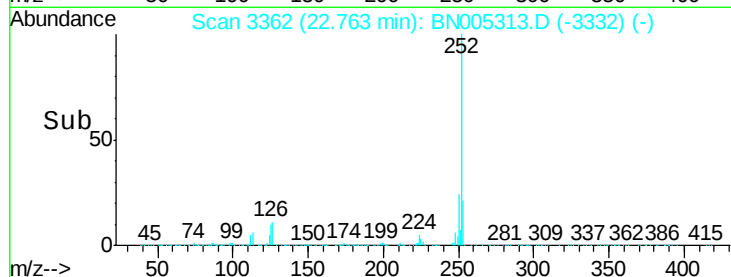
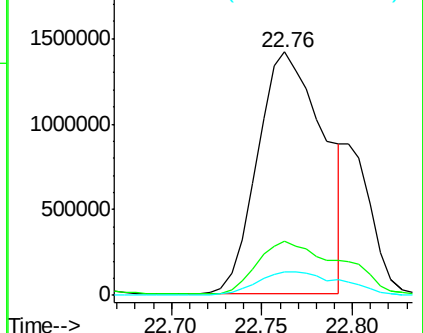
4/26/2019 6:22:18 PM



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



#88

Benzo(k)fluoranthene

Concen: 7.786 ng/ul m

RT: 22.80 min Scan# 3368

Delta R.T. -0.03 min

Lab File: BN005313.D

Acq: 26 Apr 2019 10:30

Tgt Ion:252 Resp: 911434

Ion Ratio Lower Upper

252 100

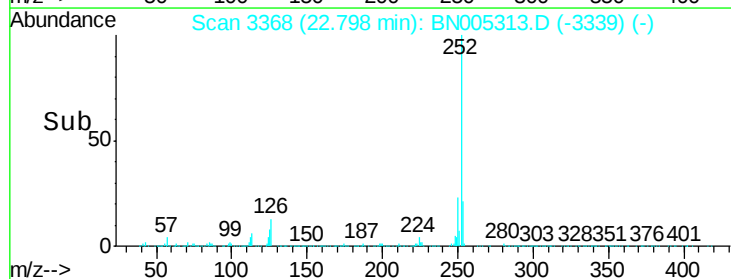
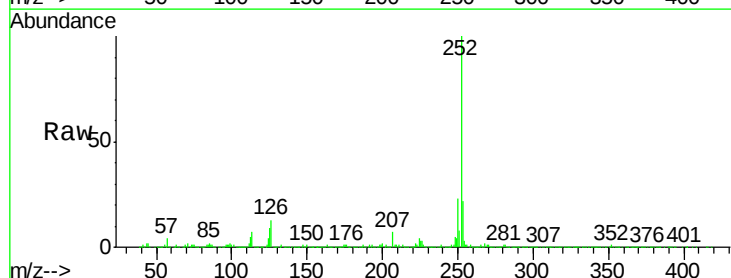
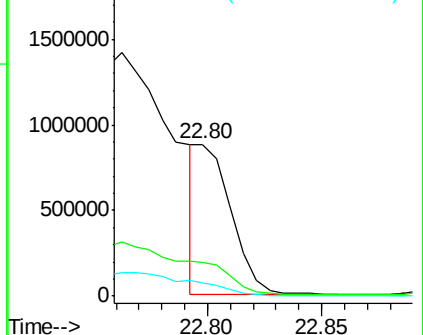
253 22.3 17.4 26.0

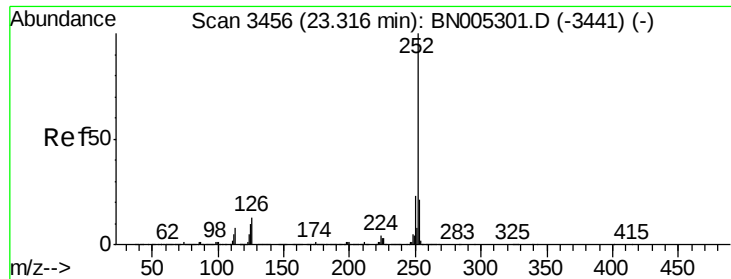
125 8.6 7.5 11.3

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: 33.259 ng/ul

RT: 23.32 min Scan# 3456

Delta R.T. -0.03 min

Lab File: BN005313.D

Acq: 26 Apr 2019 10:30

Instrument :

BNA_N

ClientSampled :

GAHS3

Tgt Ion:252 Resp: 3831794

Ion Ratio Lower Upper

252 100

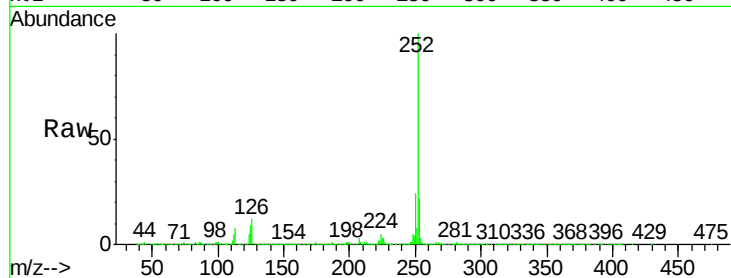
253 21.7 17.3 25.9

125 9.4 8.6 13.0

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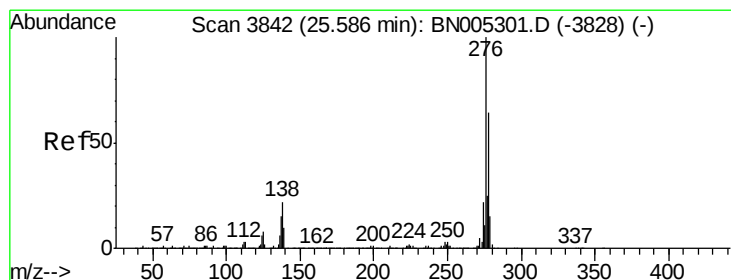
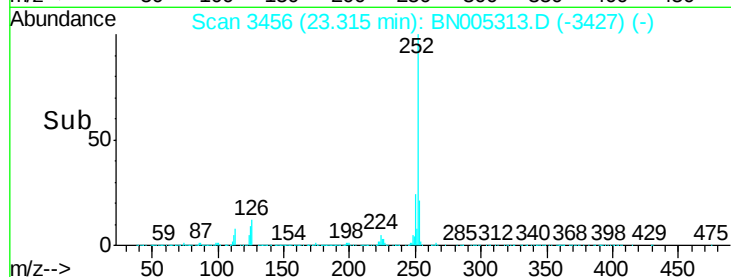
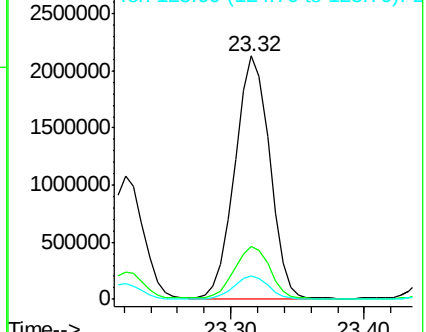
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Abundance Ion 252.00 (251.70 to 252.70): E

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: 10.374 ng/ul

RT: 25.58 min Scan# 3841

Delta R.T. -0.05 min

Lab File: BN005313.D

Acq: 26 Apr 2019 10:30

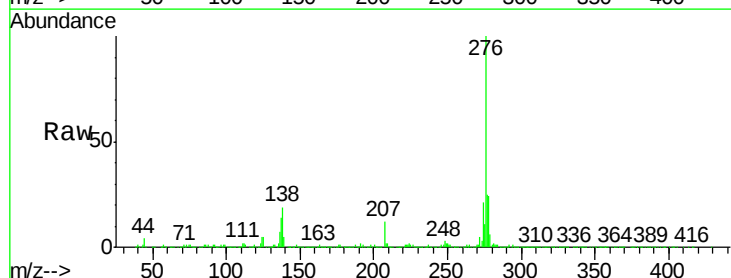
Tgt Ion:276 Resp: 1321476

Ion Ratio Lower Upper

276 100

138 24.3 17.9 26.9

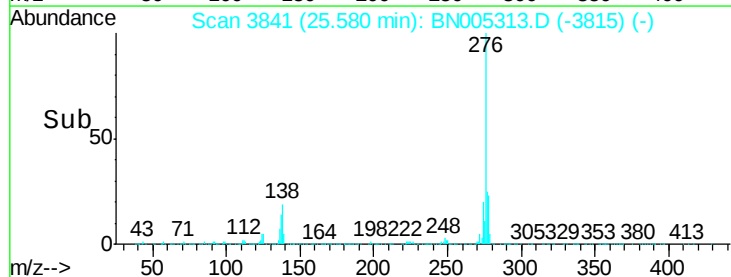
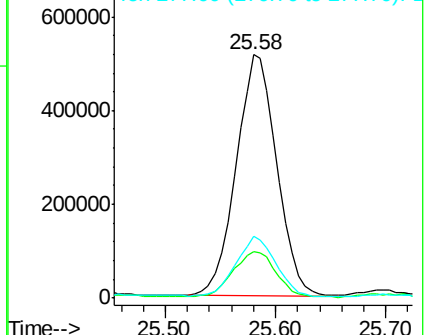
277 25.4 19.7 29.5

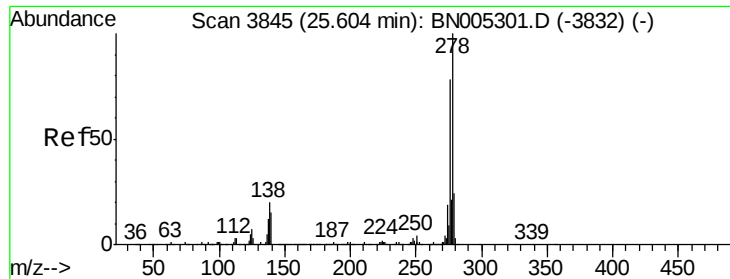


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





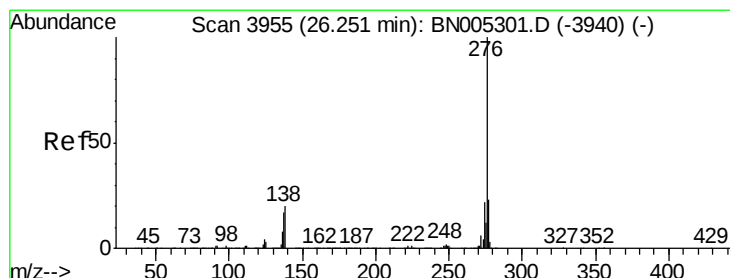
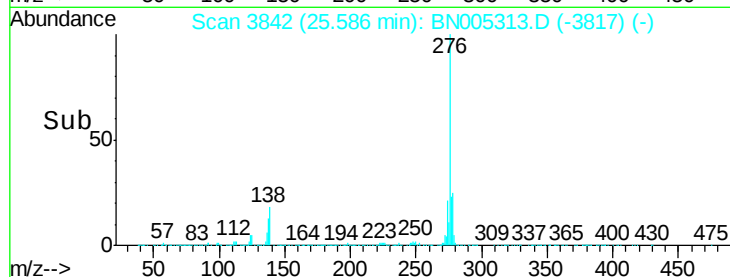
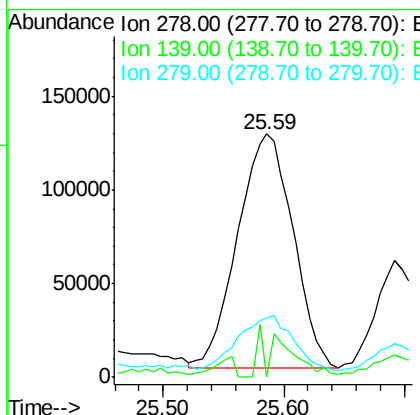
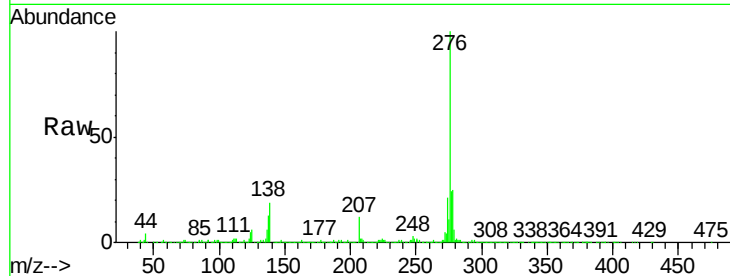
#92
Dibenzo(a,h)anthracene
Concen: 3.671 ng/ul
RT: 25.59 min Scan# 3842
Delta R.T. -0.05 min
Lab File: BN005313.D
Acq: 26 Apr 2019 10:30

Instrument :
BNA_N
ClientSampleId :
GAHS3

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	24.3	19.4	29.0

Manual Integrations
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#93
Benzo(g,h,i)perylene
Concen: 10.660 ng/ul
RT: 26.25 min Scan# 3955
Delta R.T. -0.04 min
Lab File: BN005313.D
Acq: 26 Apr 2019 10:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.3	16.7	25.1
277	23.9	18.2	27.2

