

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
 Data File : BN005314.D
 Acq On : 26 Apr 2019 11:04
 Operator : JU/SJ
 Sample : K2481-22 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 GAHX5

Manual Integrations
 APPROVED

Sohil
 4/30/2019 7:00:43 PM

Quant Time: Apr 29 03:11:55 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	479379	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1951307	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1198613	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2685573	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2512242	20.00	ng/ul	-0.01
85) Perylene-d12	23.41	264	2420966	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	3922	0.40	ng/uL	0.00
5) Phenol-d5	6.78	99	88727	2.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	57011	2.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	72383	2.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	79362	2.70	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	43976	3.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	39312	3.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	75948	2.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	266793	9.27	ng/ul	-0.02
43) Dimethylphthalate-d6	13.65	166	250415	2.88	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	304757	2.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	43845	3.19	ng/ul	0.00
57) Fluorene-d10	15.23	176	224028	3.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	11120	0.92	ng/ul	0.00
70) Anthracene-d10	17.09	188	335322	2.98	ng/ul	0.00
78) Pyrene-d10	19.40	212	381137	2.97	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	314450	2.97	ng/ul	-0.04

Target Compounds

					Qvalue	
6) Phenol	6.80	94	201425	5.201	ng/ul	94
11) 2-Methylphenol	8.03	108	87237	3.006	ng/ul	95
16) 4-Methylphenol	8.36	108	177289	5.657	ng/ul	97
24) 2,4-Dimethylphenol	9.55	107	172807m	5.002	ng/ul	
28) Naphthalene	10.41	128	22520504m	248.261	ng/ul	
34) 2-Methylnaphthalene	12.04	142	12141033	182.789	ng/ul	100
40) 1,1'-Biphenyl	13.06	154	1779226	19.922	ng/ul	99
47) Acenaphthylene	13.95	152	6036295	57.476	ng/ul#	97
49) Acenaphthene	14.29	153	1073842	14.977	ng/ul	99
53) Dibenzofuran	14.63	168	3919927	37.973	ng/ul	99
58) Fluorene	15.29	166	5251901	65.200	ng/ul	97
69) Phenanthrene	17.03	178	16526148m	126.355	ng/ul	
71) Anthracene	17.12	178	6233384	46.784	ng/ul	100
74) Carbazole	17.39	167	1483891	12.965	ng/ul	98
76) Fluoranthene	19.06	202	10676149	73.592	ng/ul	100
79) Pyrene	19.43	202	10260904	63.435	ng/ul	99
82) Benzo(a)anthracene	21.20	228	4946191	31.648	ng/ul	92
84) Chrysene	21.25	228	3960706	27.306	ng/ul	97
87) Benzo(b)fluoranthene	22.76	252	3336605	24.518	ng/ul	99
88) Benzo(k)fluoranthene	22.80	252	933110m	7.179	ng/ul	
90) Benzo(a)pyrene	23.32	252	2677983	20.935	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.58	276	1103322	7.801	ng/ul	96
92) Dibenzo(a,h)anthracene	25.59	278	342207	2.851	ng/ul#	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(g,h,i)perylene	26.24	276	879703	7.523	ng/ul	98

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

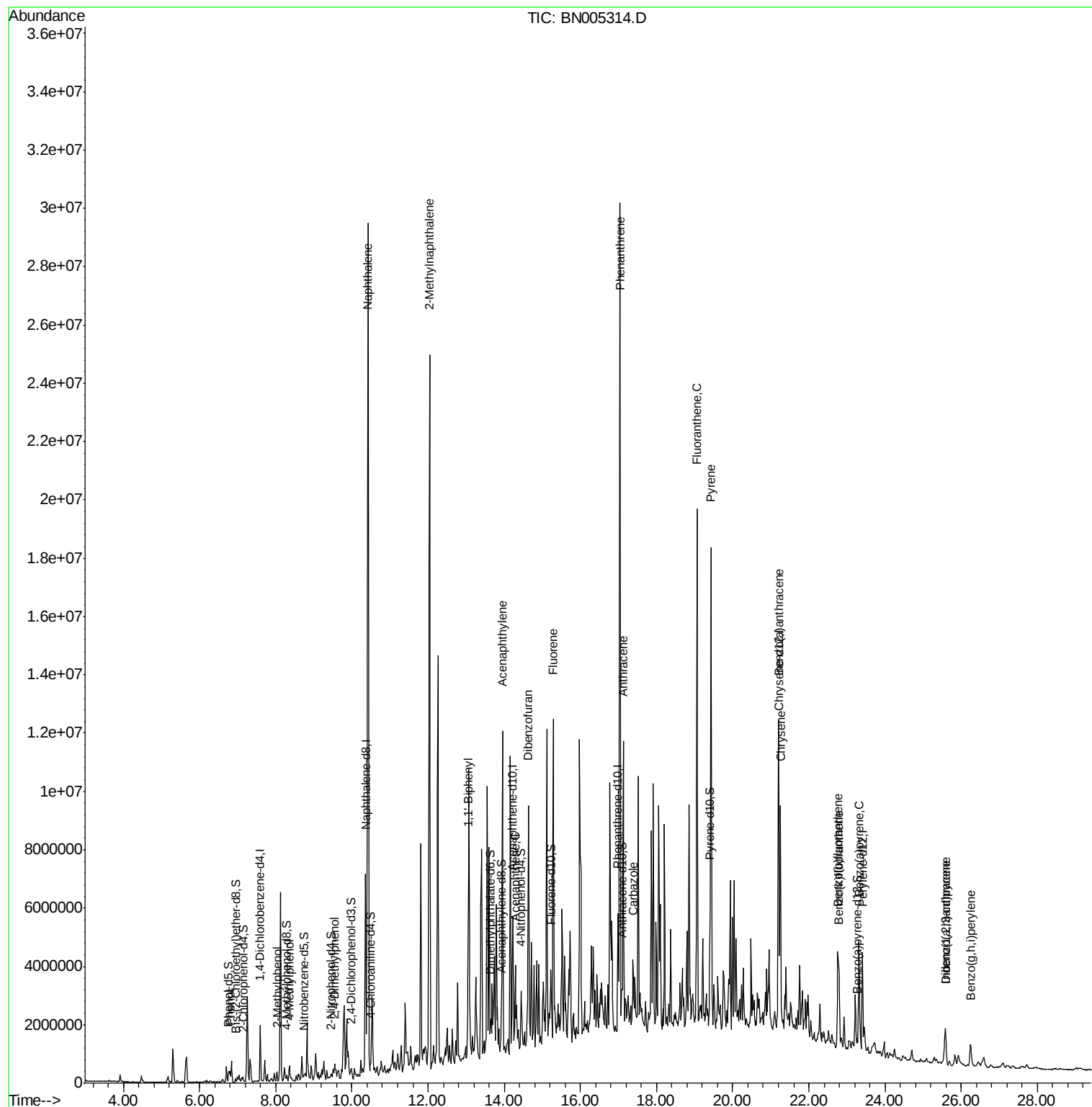
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
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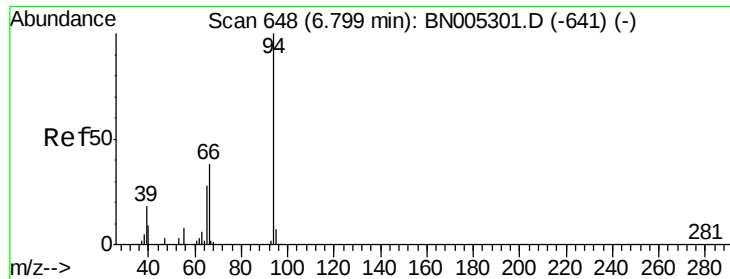
Instrument :
BNA_N
ClientSampleID :
GAHX5

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#6

Phenol

Concen: 5.201 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. -0.01 min

Lab File: BN005314.D

Acq: 26 Apr 2019 11:04

Instrument :

BNA_N

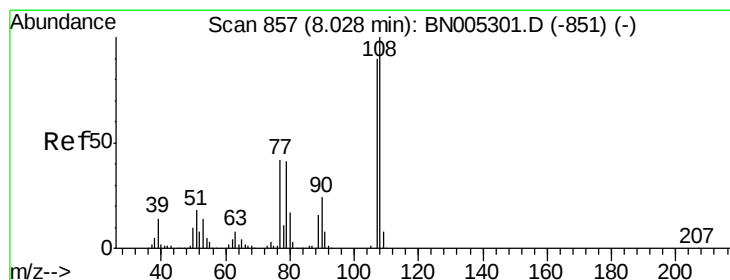
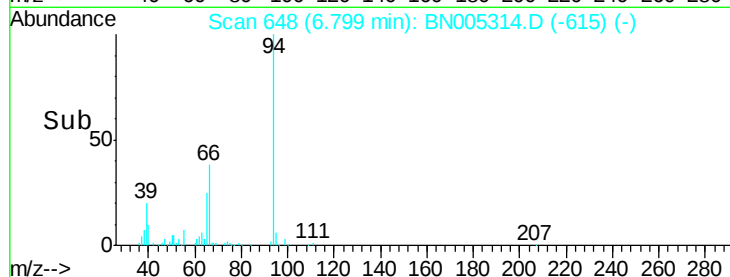
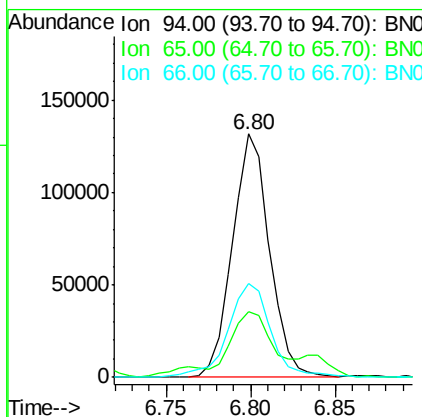
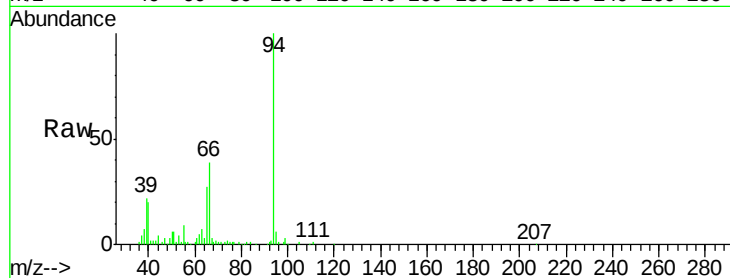
ClientSampleId :

GAHX5

Tgt Ion:	94	Resp:	201425
Ion Ratio		Lower	Upper
94	100		
65	27.1	24.2	36.4
66	38.7	33.8	50.6

Manual Integrations
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#11

2-Methylphenol

Concen: 3.006 ng/ul

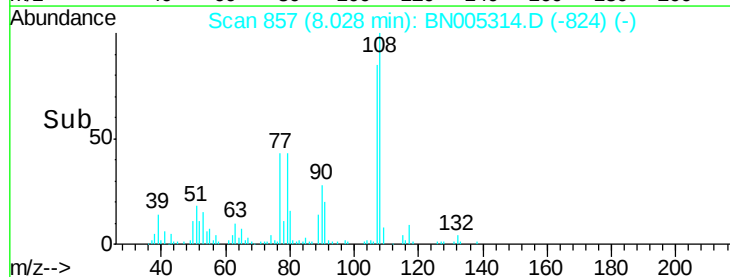
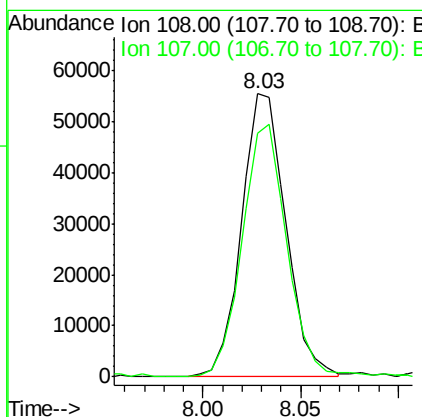
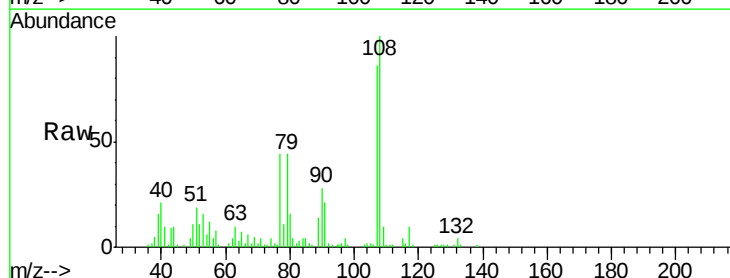
RT: 8.03 min Scan# 857

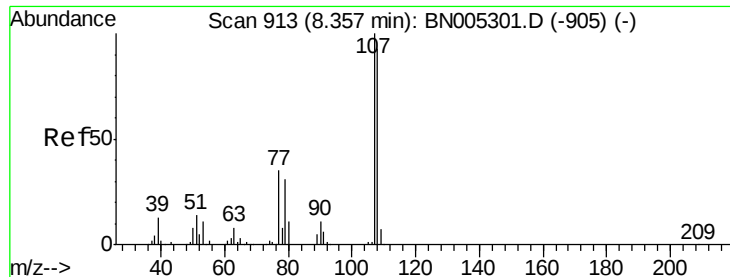
Delta R.T. -0.01 min

Lab File: BN005314.D

Acq: 26 Apr 2019 11:04

Tgt Ion:	108	Resp:	87237
Ion Ratio		Lower	Upper
108	100		
107	86.2	72.9	109.3





#16

4-Methylphenol

Concen: 5.657 ng/ul

RT: 8.36 min Scan# 913

Delta R.T. -0.01 min

Lab File: BN005314.D

Acq: 26 Apr 2019 11:04

Instrument :

BNA_N

ClientSampleId :

GAHX5

Tgt Ion:108 Resp: 177289

Ion Ratio Lower Upper

108 100

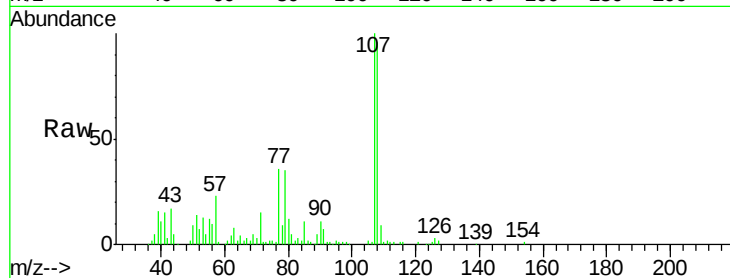
107 104.3 86.1 129.1

Manual Integrations

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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

120000

100000

80000

60000

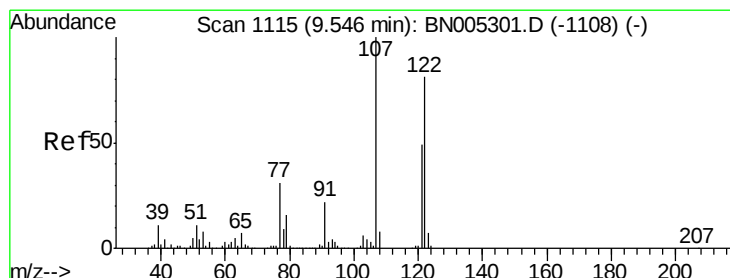
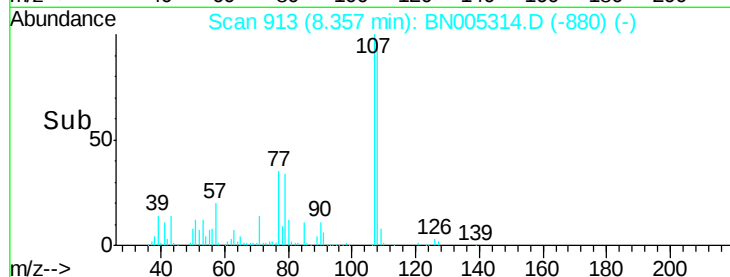
40000

20000

0

8.30 8.35 8.40 8.45

Time-->



#24

2,4-Dimethylphenol

Concen: 5.002 ng/ul m

RT: 9.55 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BN005314.D

Acq: 26 Apr 2019 11:04

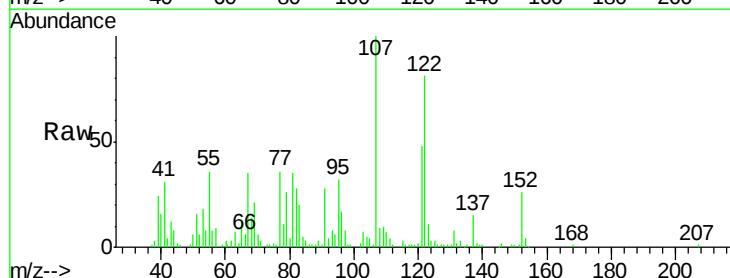
Tgt Ion:107 Resp: 172807

Ion Ratio Lower Upper

107 100

121 48.2 37.8 56.8

122 81.4 65.0 97.4



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E

80000

60000

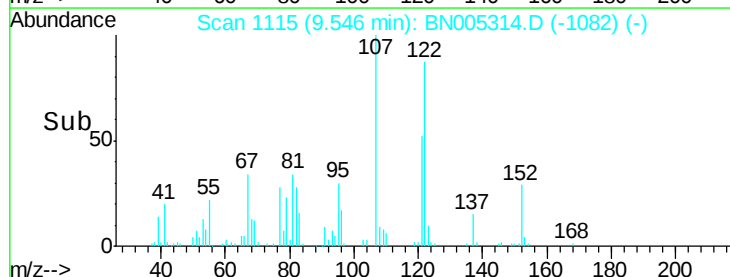
40000

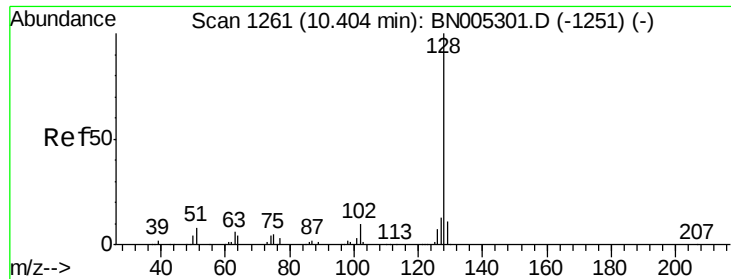
20000

0

9.50 9.55 9.60 9.65

Time-->





#28

Naphthalene

Concen: 248.261 ng/ul m

RT: 10.41 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BN005314.D

Acq: 26 Apr 2019 11:04

Instrument :

BNA_N

ClientSampled :

GAHX5

Tgt Ion:128 Resp:22520504

Ion Ratio Lower Upper

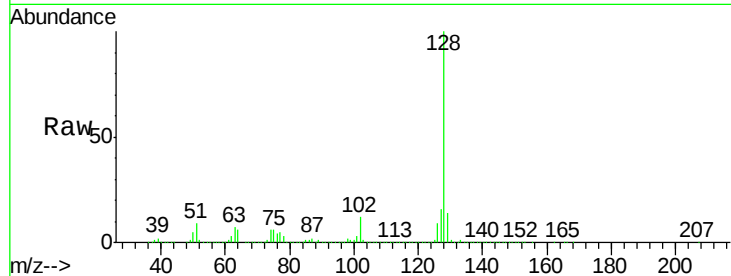
128 100

129 13.6 9.2 13.8

127 15.7 10.7 16.1

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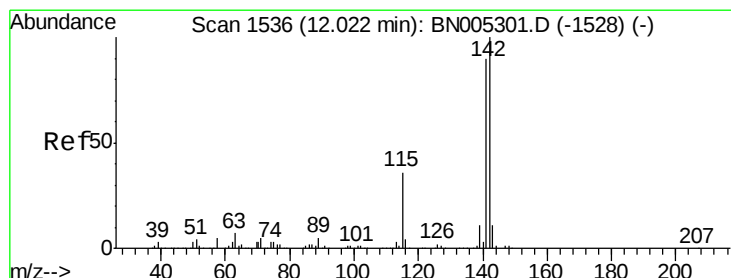
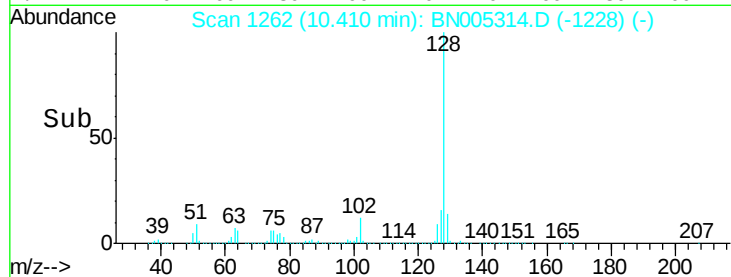
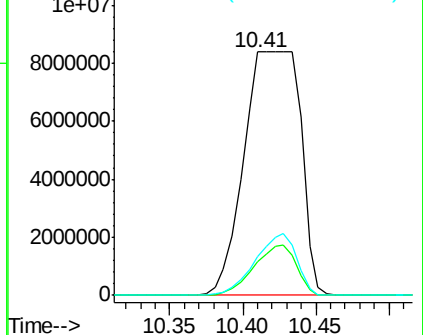
Sohil
4/30/2019 7:00:43 PM



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: 182.789 ng/ul

RT: 12.04 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BN005314.D

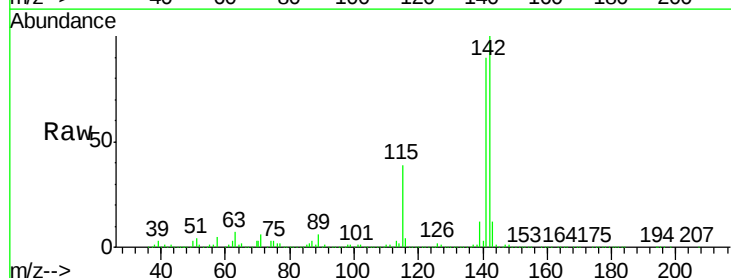
Acq: 26 Apr 2019 11:04

Tgt Ion:142 Resp:12141033

Ion Ratio Lower Upper

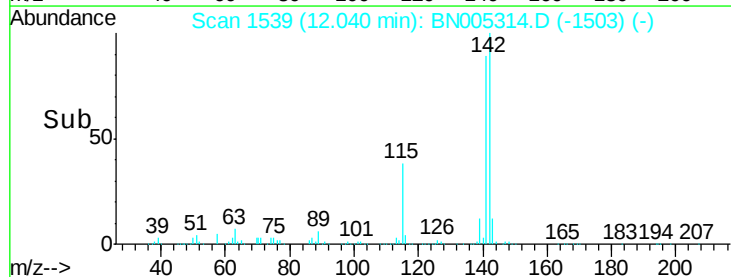
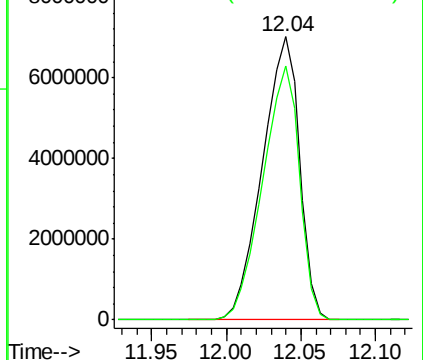
142 100

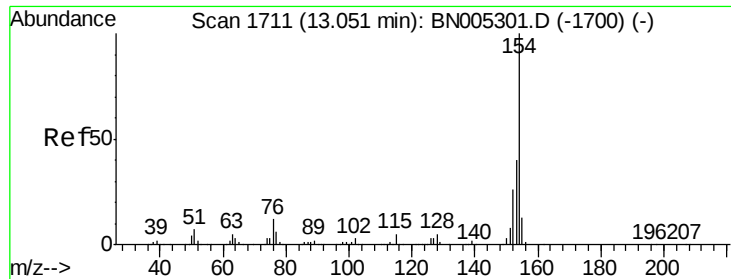
141 89.6 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 19.922 ng/ul

RT: 13.06 min Scan# 1712

Delta R.T. 0.00 min

Lab File: BN005314.D

Acq: 26 Apr 2019 11:04

Instrument :

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ClientSampleId :

GAHX5

Tgt Ion:154 Resp: 1779226

Ion Ratio Lower Upper

154 100

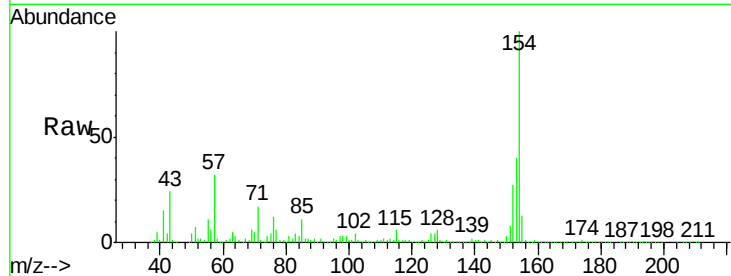
153 40.5 32.6 49.0

76 11.8 10.4 15.6

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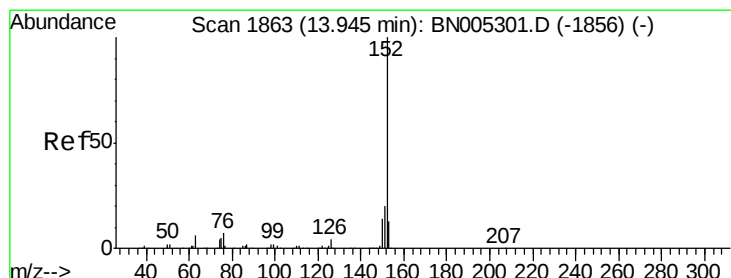
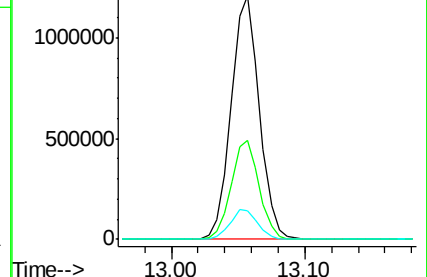
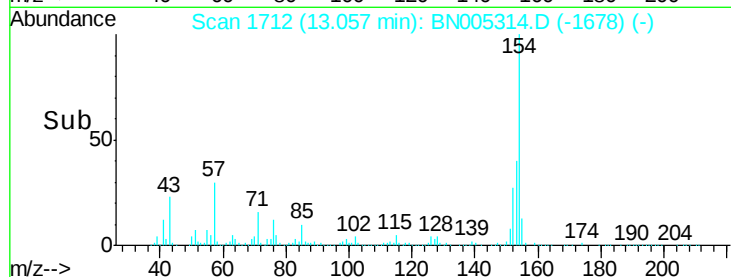
4/30/2019 7:00:43 PM



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: 57.476 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BN005314.D

Acq: 26 Apr 2019 11:04

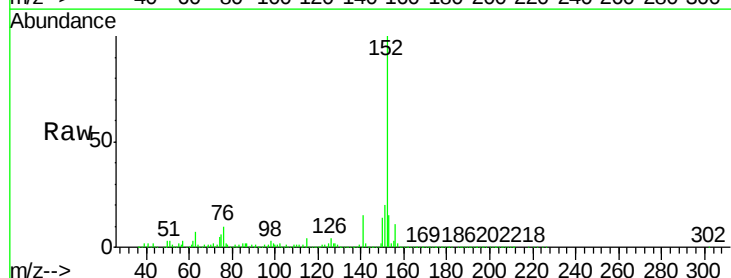
Tgt Ion:152 Resp: 6036295

Ion Ratio Lower Upper

152 100

151 20.3 15.8 23.8

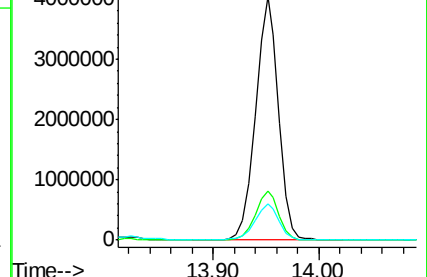
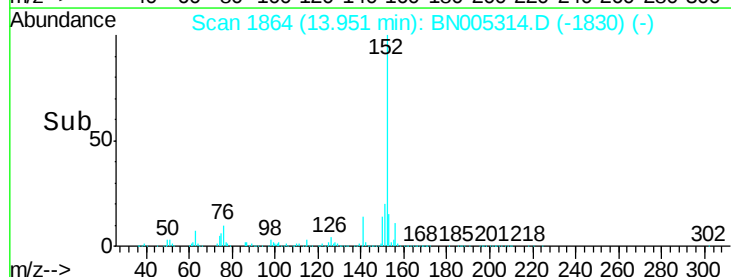
153 15.1 9.8 14.8#

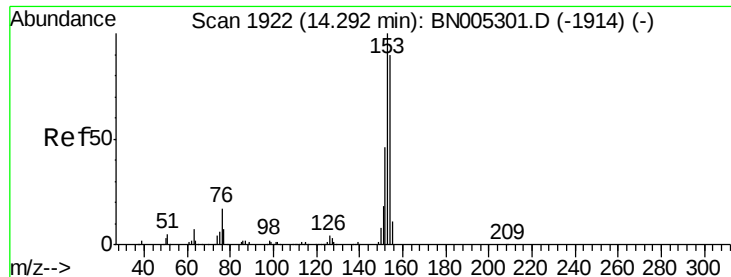


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 14.977 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005314.D

Acq: 26 Apr 2019 11:04

Instrument :

BNA_N

ClientSampleId :

GAHX5

Tgt Ion:153 Resp: 1073842

Ion Ratio Lower Upper

153 100

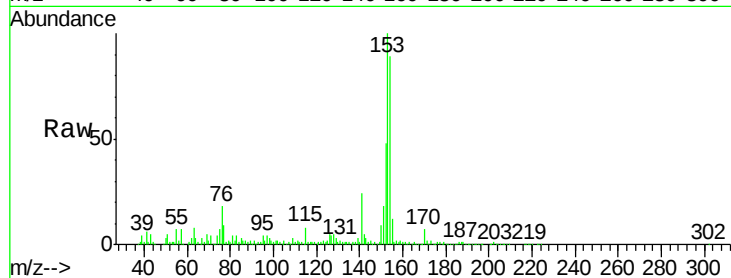
152 47.9 37.4 56.0

154 89.1 71.2 106.8

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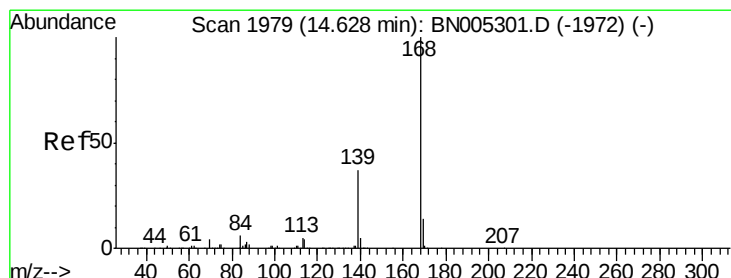
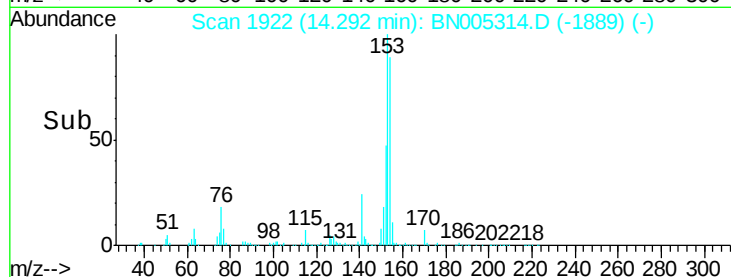
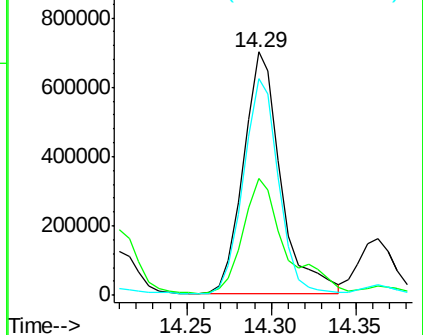
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 37.973 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BN005314.D

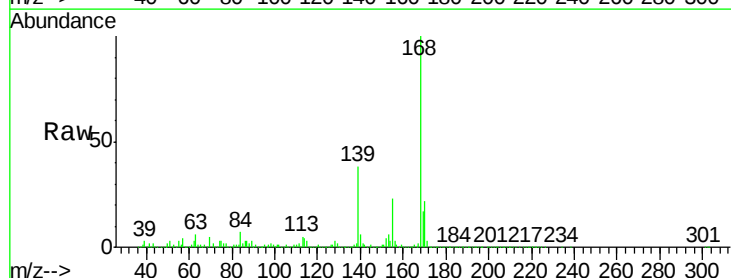
Acq: 26 Apr 2019 11:04

Tgt Ion:168 Resp: 3919927

Ion Ratio Lower Upper

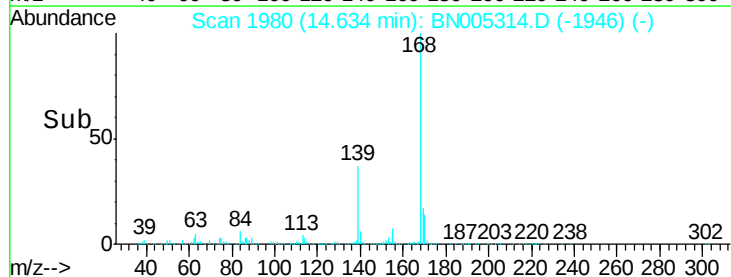
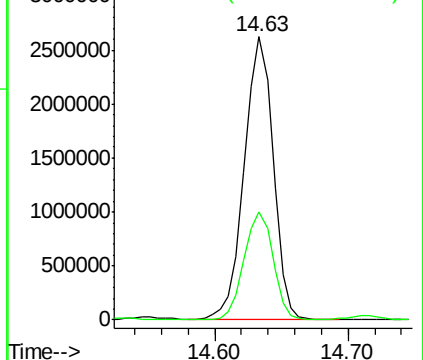
168 100

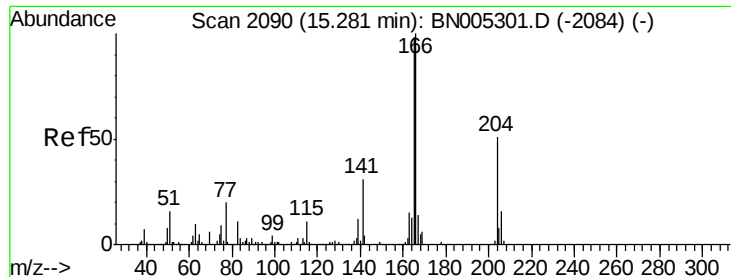
139 38.0 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





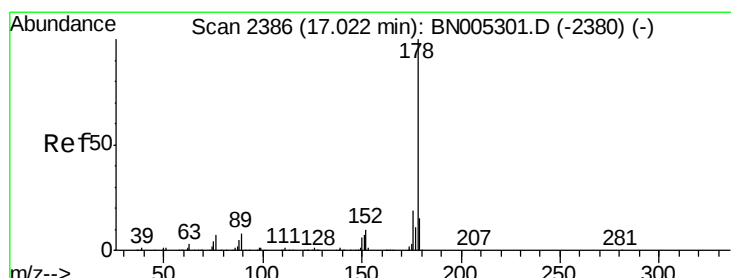
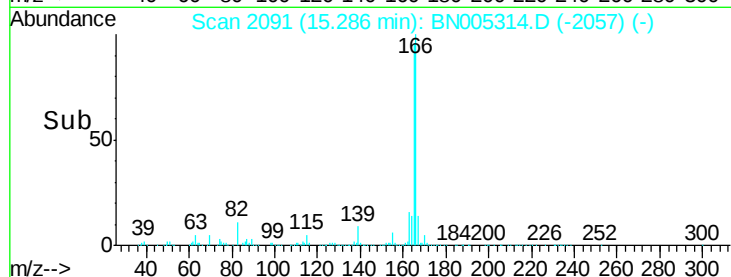
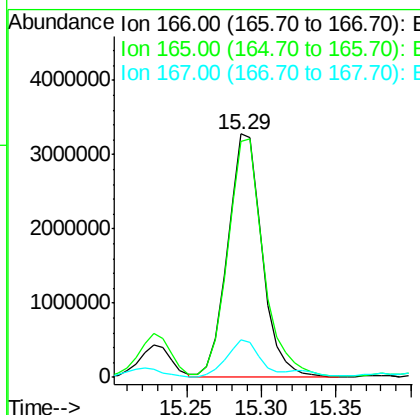
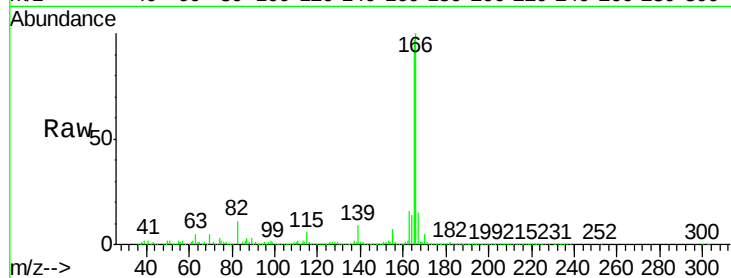
#58
 Fluorene
 Concen: 65.200 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. 0.00 min
 Lab File: BN005314.D
 Acq: 26 Apr 2019 11:04

Instrument :
 BNA_N
 ClientSampleId :
 GAHX5

Tgt Ion:166 Resp: 5251901
 Ion Ratio Lower Upper
 166 100
 165 97.1 80.0 120.0
 167 15.2 10.7 16.1

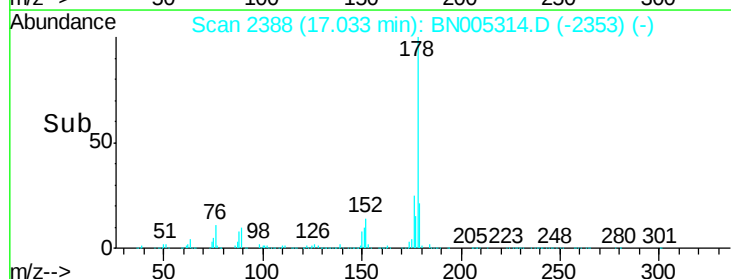
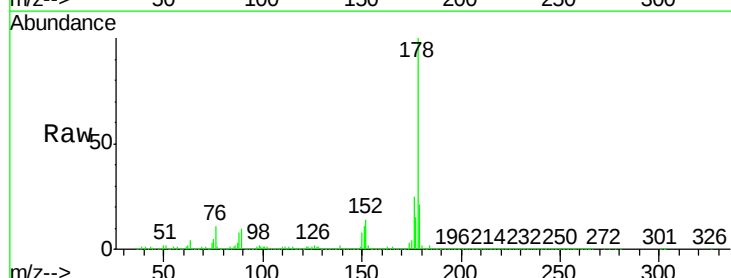
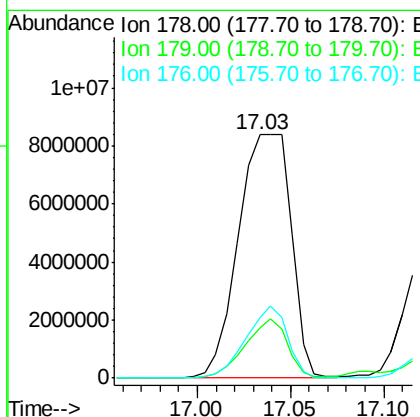
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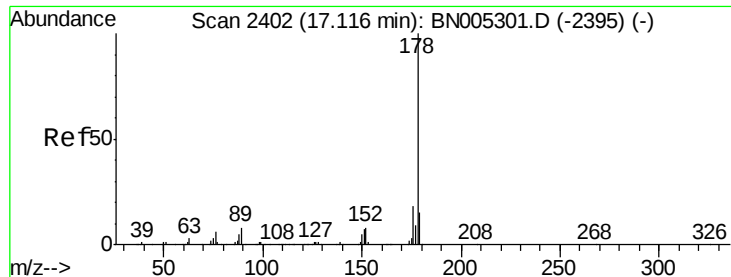
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#69
 Phenanthrene
 Concen: 126.355 ng/ul m
 RT: 17.03 min Scan# 2388
 Delta R.T. 0.01 min
 Lab File: BN005314.D
 Acq: 26 Apr 2019 11:04

Tgt Ion:178 Resp:16526148
 Ion Ratio Lower Upper
 178 100
 179 20.9 12.2 18.4#
 176 24.6 15.1 22.7#





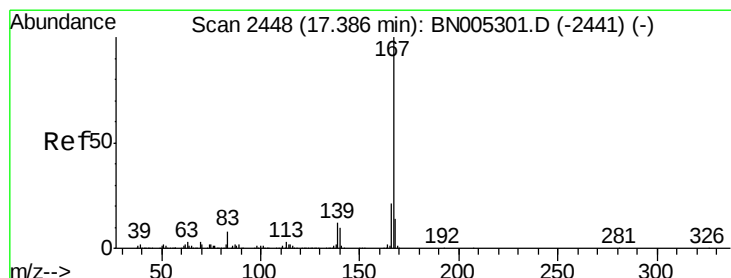
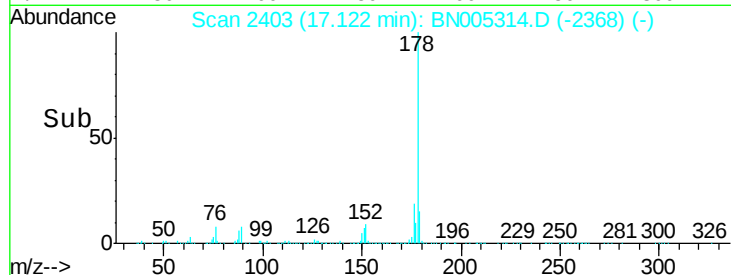
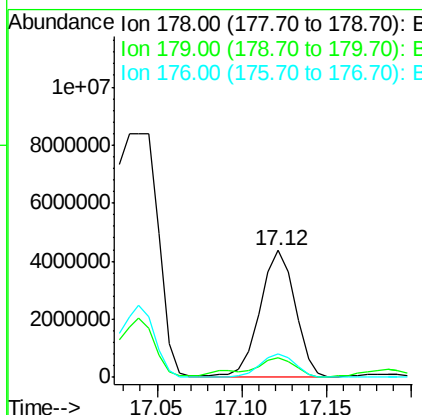
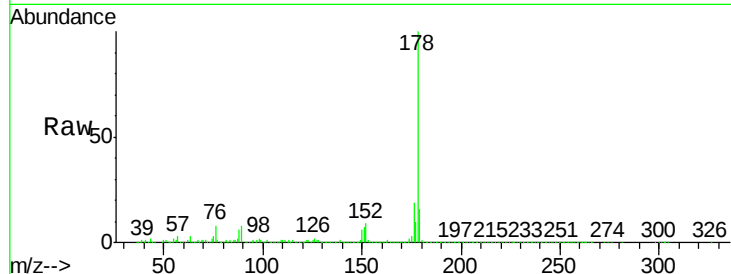
#71
 Anthracene
 Concen: 46.784 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.01 min
 Lab File: BN005314.D
 Acq: 26 Apr 2019 11:04

Instrument :
 BNA_N
 ClientSampled :
 GAHX5

Tgt Ion:178 Resp: 6233384
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.3 18.5
 176 18.9 15.1 22.7

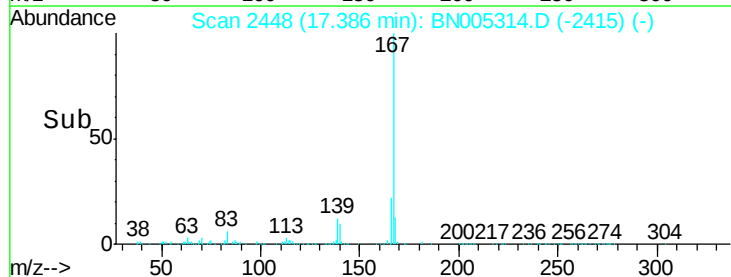
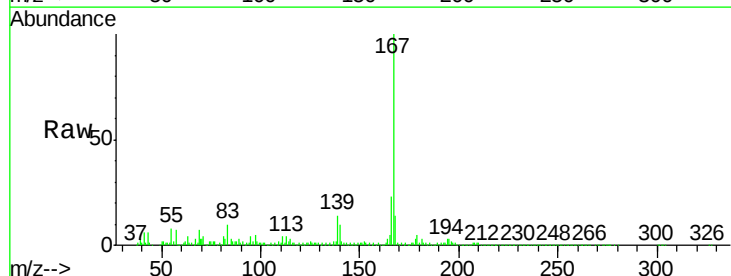
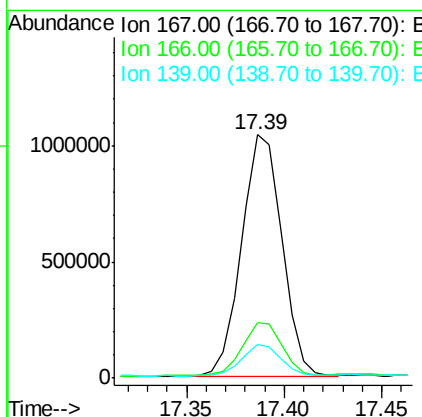
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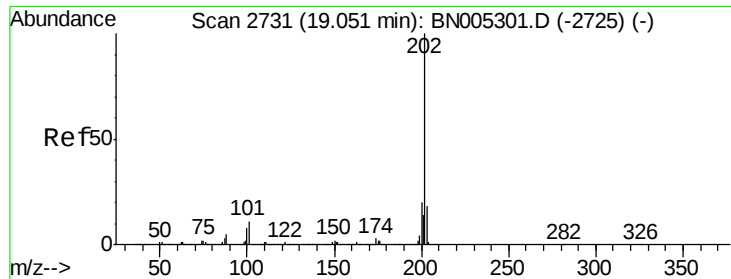
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#74
 Carbazole
 Concen: 12.965 ng/ul
 RT: 17.39 min Scan# 2448
 Delta R.T. -0.01 min
 Lab File: BN005314.D
 Acq: 26 Apr 2019 11:04

Tgt Ion:167 Resp: 1483891
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.2 25.8
 139 13.8 10.6 16.0





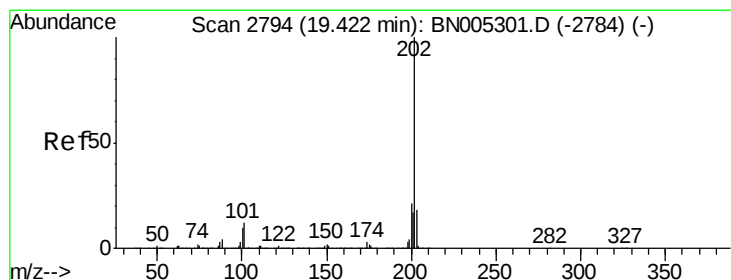
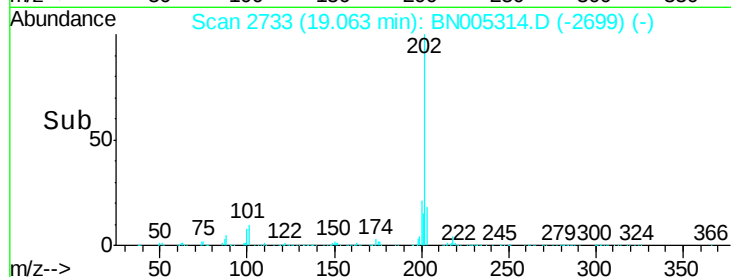
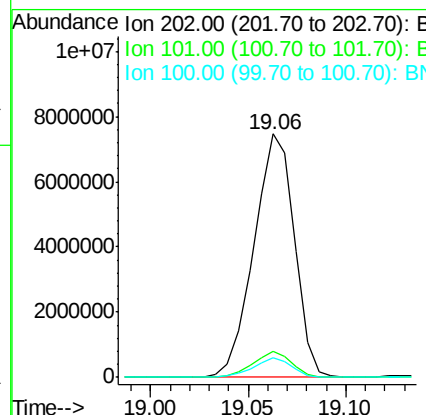
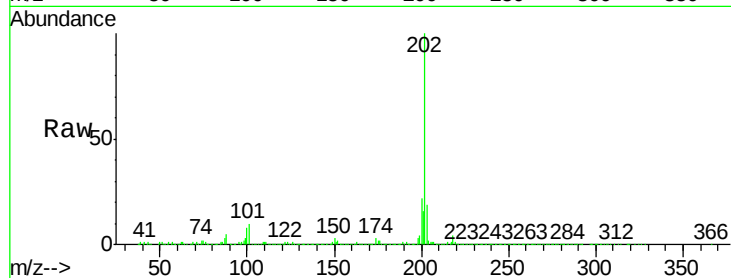
#76
 Fluoranthene
 Concen: 73.592 ng/u1
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: BN005314.D
 Acq: 26 Apr 2019 11:04

Instrument :
 BNA_N
 ClientSampled :
 GAHX5

Tgt Ion:202 Resp:10676149
 Ion Ratio Lower Upper
 202 100
 101 10.5 8.6 12.8
 100 8.0 6.3 9.5

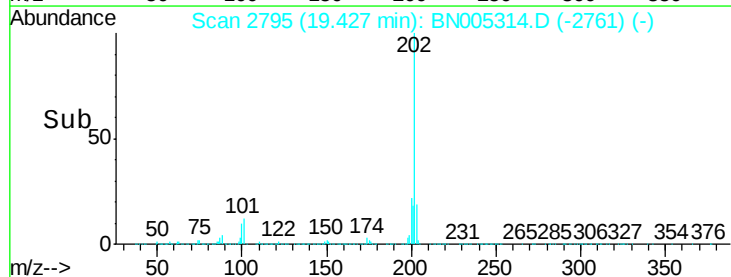
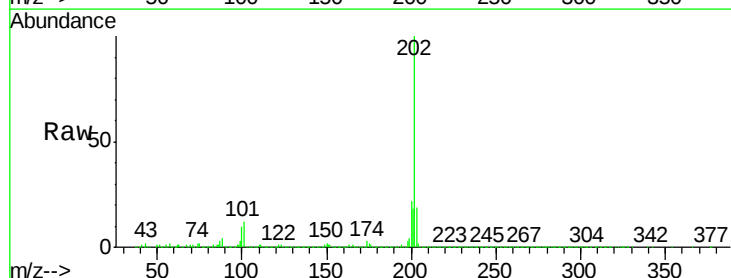
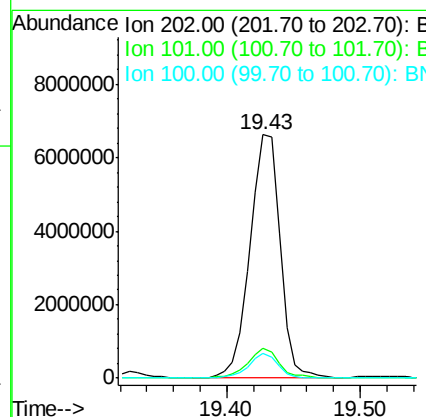
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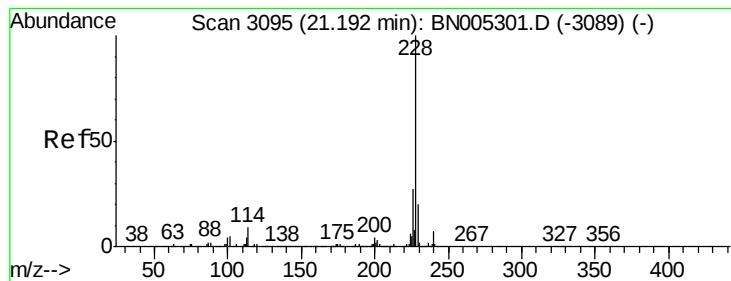
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#79
 Pyrene
 Concen: 63.435 ng/u1
 RT: 19.43 min Scan# 2795
 Delta R.T. 0.00 min
 Lab File: BN005314.D
 Acq: 26 Apr 2019 11:04

Tgt Ion:202 Resp:10260904
 Ion Ratio Lower Upper
 202 100
 101 12.2 10.3 15.5
 100 10.0 7.9 11.9





#82

Benzo(a)anthracene

Concen: 31.648 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BN005314.D

Acq: 26 Apr 2019 11:04

Instrument :

BNA_N

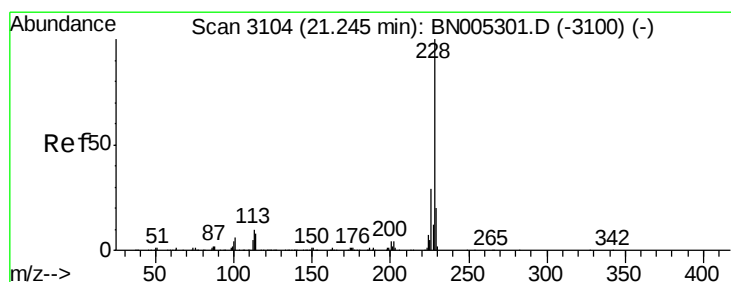
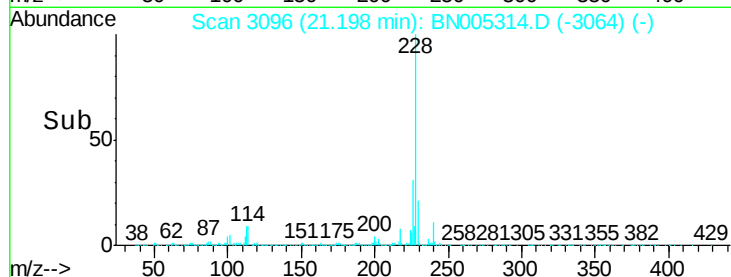
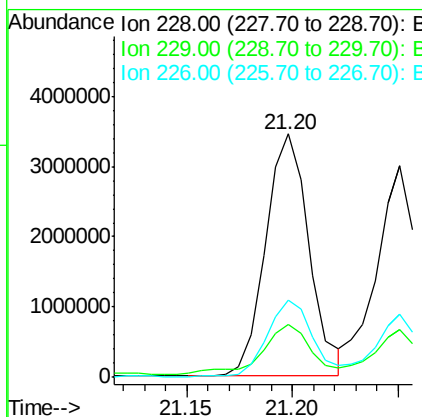
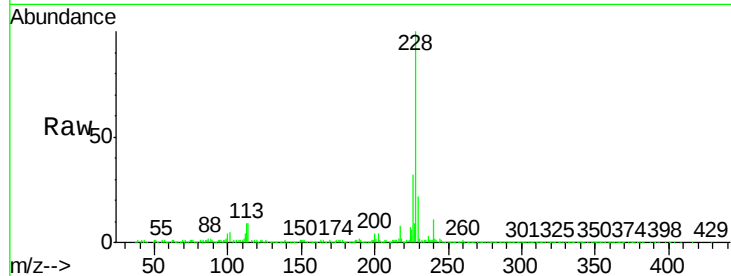
ClientSampleId :

GAHX5

Tgt Ion:	228	Resp:	4946191
Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.8	23.6
226	31.8	21.4	32.2

Manual Integrations
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#84

Chrysene

Concen: 27.306 ng/ul

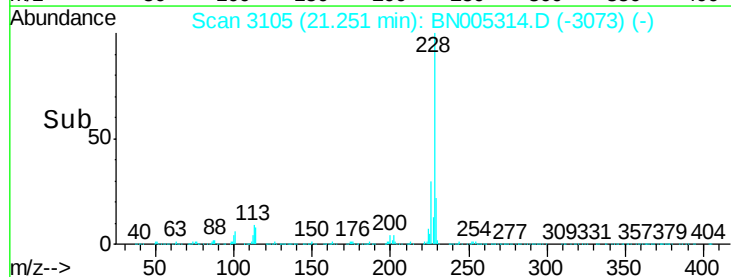
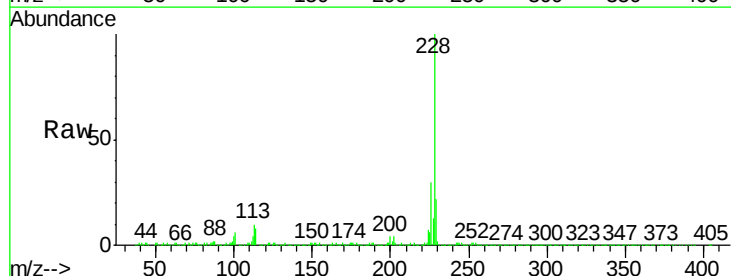
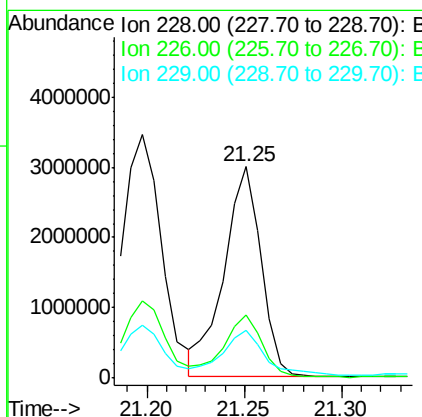
RT: 21.25 min Scan# 3105

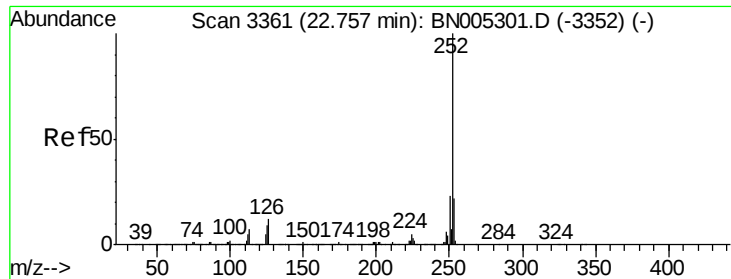
Delta R.T. -0.01 min

Lab File: BN005314.D

Acq: 26 Apr 2019 11:04

Tgt Ion:	228	Resp:	3960706
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	22.5	15.4	23.0





#87

Benzo(b)fluoranthene

Concen: 24.518 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BN005314.D

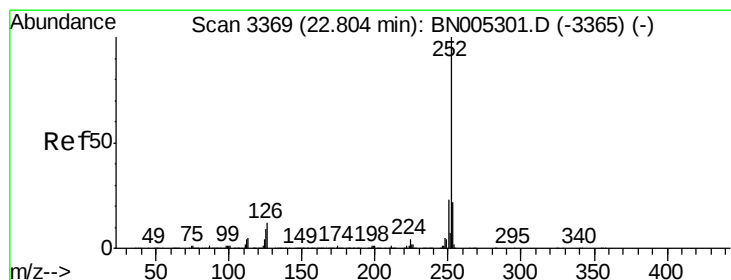
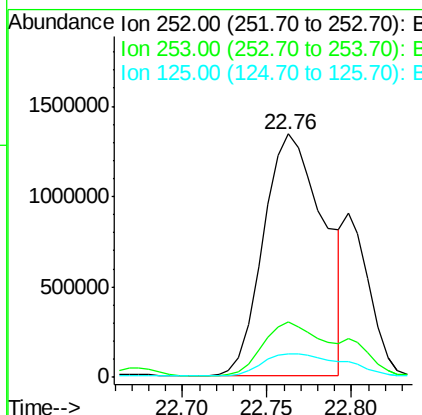
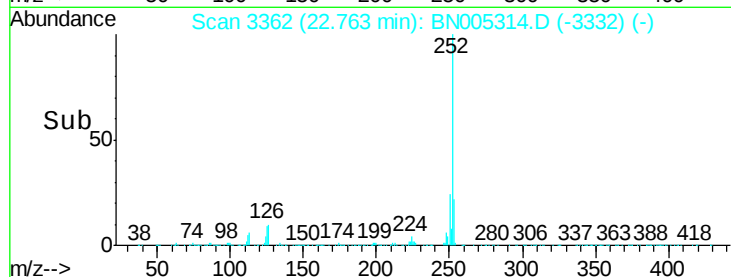
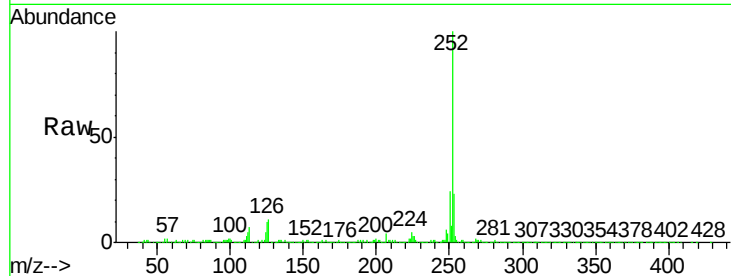
Acq: 26 Apr 2019 11:04

Instrument :
BNA_N
ClientSampleId :
GAHX5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	9.6	8.4	12.6

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#88

Benzo(k)fluoranthene

Concen: 7.179 ng/ul m

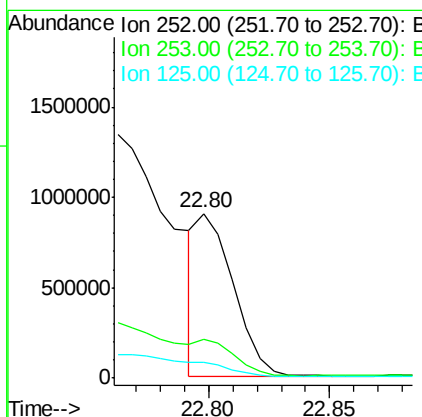
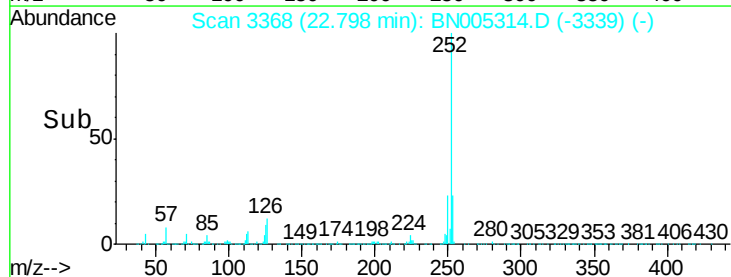
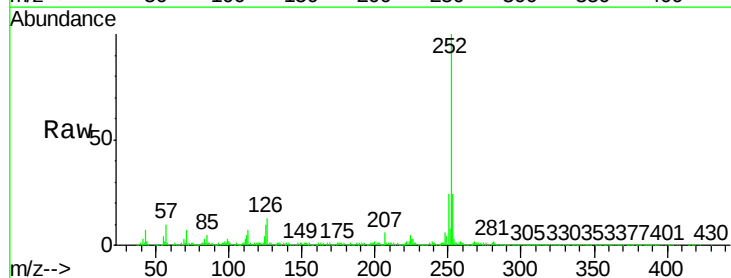
RT: 22.80 min Scan# 3368

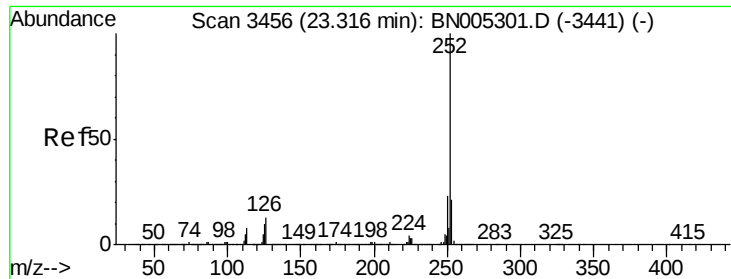
Delta R.T. -0.03 min

Lab File: BN005314.D

Acq: 26 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	9.5	7.5	11.3





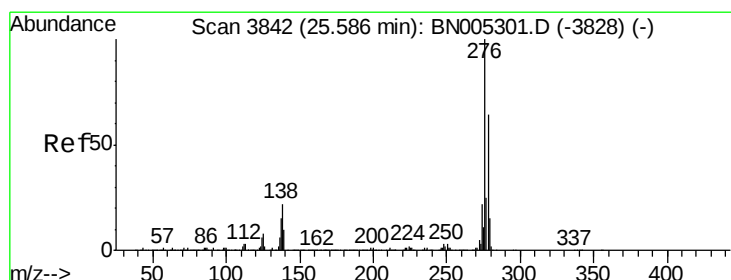
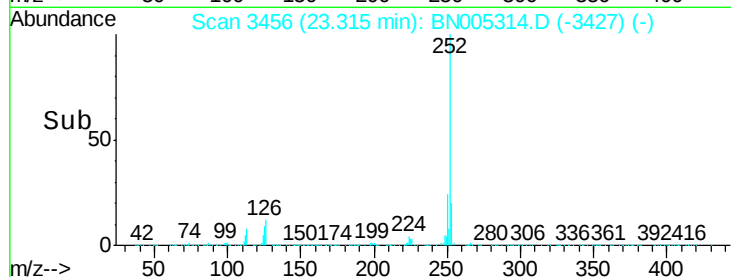
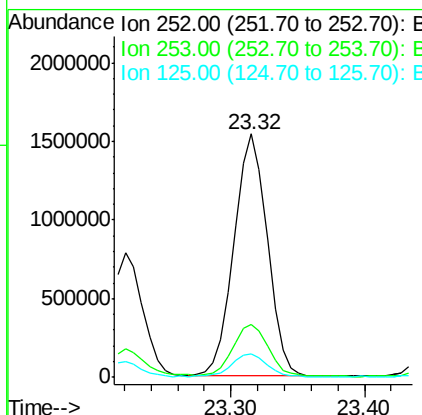
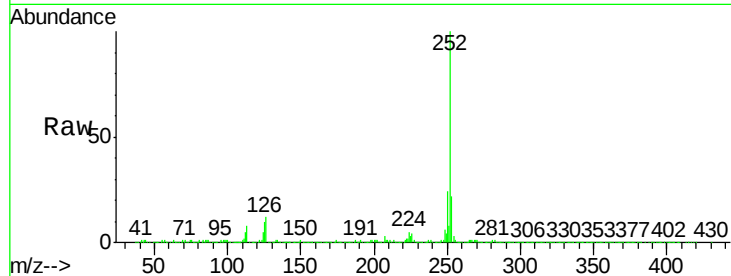
#90
Benzo(a)pyrene
Concen: 20.935 ng/ul
RT: 23.32 min Scan# 3456
Delta R.T. -0.03 min
Lab File: BN005314.D
Acq: 26 Apr 2019 11:04

Instrument :
BNA_N
ClientSampled :
GAHX5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	9.7	8.6	13.0

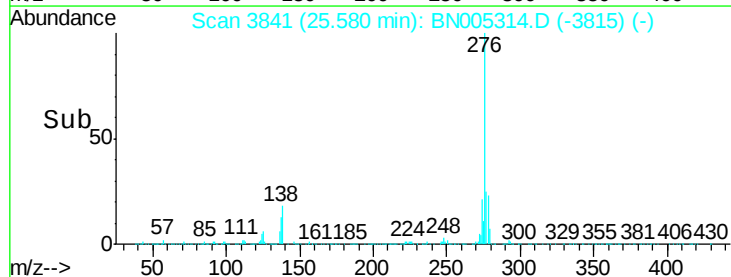
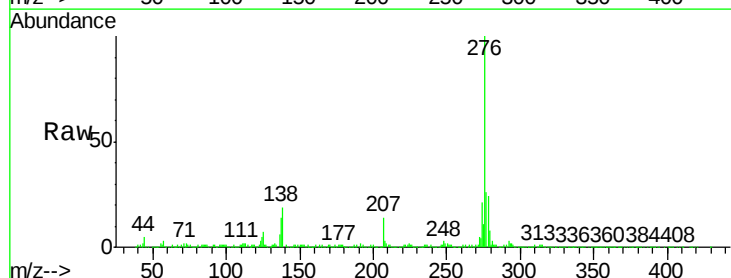
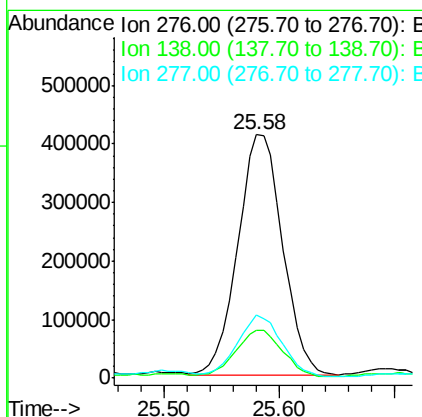
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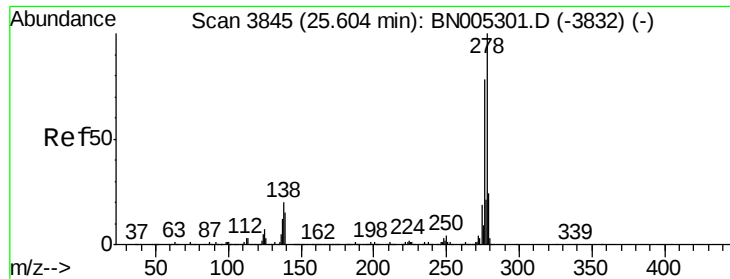
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#91
Indeno(1,2,3-cd)pyrene
Concen: 7.801 ng/ul
RT: 25.58 min Scan# 3841
Delta R.T. -0.05 min
Lab File: BN005314.D
Acq: 26 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	17.9	26.9
277	25.7	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 2.851 ng/ul

RT: 25.59 min Scan# 3842

Delta R.T. -0.05 min

Lab File: BN005314.D

Acq: 26 Apr 2019 11:04

Instrument :

BNA_N

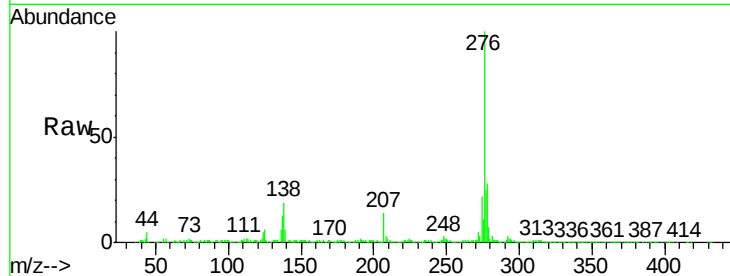
ClientSampleId :

GAHX5

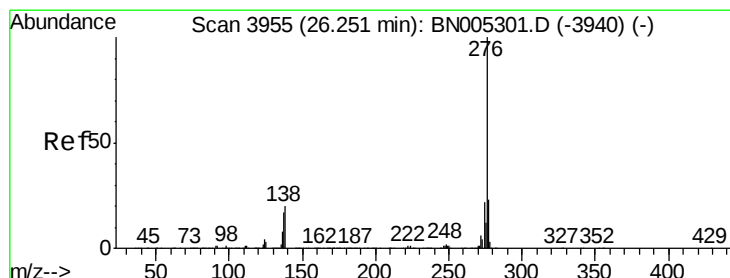
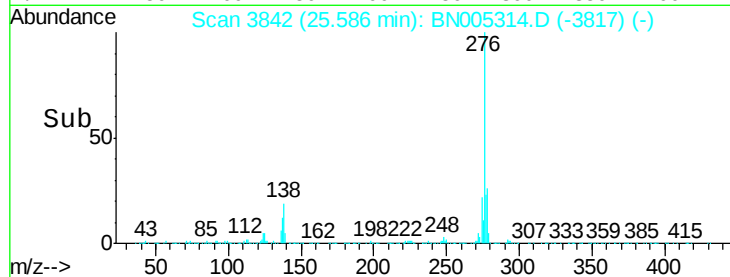
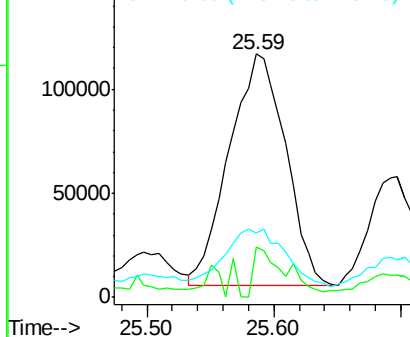
Tgt Ion:	278	Resp:	342207
Ion Ratio	Lower	Upper	
278	100		
139	20.9	13.1	19.7#
279	26.5	19.4	29.0

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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: 7.523 ng/ul

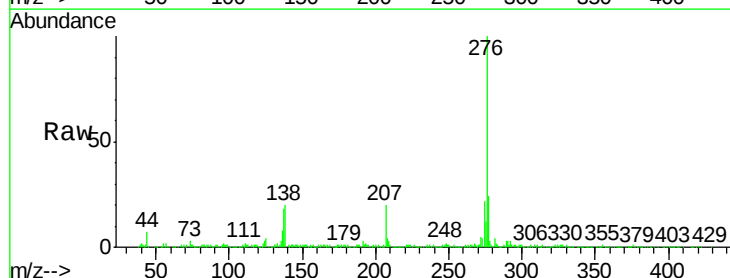
RT: 26.24 min Scan# 3954

Delta R.T. -0.05 min

Lab File: BN005314.D

Acq: 26 Apr 2019 11:04

Tgt Ion:	276	Resp:	879703
Ion Ratio	Lower	Upper	
276	100		
138	20.1	16.7	25.1
277	23.9	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

