

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
 Data File : BN005309.D
 Acq On : 26 Apr 2019 08:12
 Operator : JU/SJ
 Sample : K2402-09MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHH9MSD

Manual Integrations
 APPROVED

Sohil
 4/26/2019 6:22:08 PM

Quant Time: Apr 26 11:28:03 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	440943	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1929383	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1182359	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2718675	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	2031506	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	2256938m	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	37231	4.08	ng/uL	0.00
5) Phenol-d5	6.78	99	974270	28.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	560268	25.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	765404	28.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	835737	30.87	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	418290	35.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	473898	39.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	879354	31.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	534980	18.80	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2770567	32.28	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	3437376	32.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	505439	37.30	ng/ul	0.00
57) Fluorene-d10	15.23	176	2401109	33.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	243142	19.88	ng/ul	0.01
70) Anthracene-d10	17.09	188	3829250	33.60	ng/ul	0.00
78) Pyrene-d10	19.41	212	4052784	39.00	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.29	264	3175329	32.19	ng/ul	-0.01

Target Compounds

					Qvalue	
6) Phenol	6.80	94	987870	27.732	ng/ul	97
10) 2-Chlorophenol	7.16	128	744577	27.174	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.39	70	639488	27.593	ng/ul	91
28) Naphthalene	10.40	128	1410477	15.725	ng/ul	99
33) 4-Chloro-3-methylphenol	11.65	107	995413	32.459	ng/ul	93
34) 2-Methylnaphthalene	12.03	142	2857066	43.503	ng/ul	98
40) 1,1'-Biphenyl	13.06	154	340155	3.861	ng/ul	97
44) Dimethylphthalate	13.69	163	894838	10.463	ng/ul	98
47) Acenaphthylene	13.95	152	9309389	89.860	ng/ul	97
49) Acenaphthene	14.29	153	2459422	34.774	ng/ul	100
52) 4-Nitrophenol	14.46	109	405628	32.974	ng/ul	92
54) 2,4-Dinitrotoluene	14.61	165	884819	41.564	ng/ul#	92
56) Diethylphthalate	15.07	149	88832	1.036	ng/ul#	87
58) Fluorene	15.29	166	1816627	22.863	ng/ul	98
68) Pentachlorophenol	16.64	266	578290	33.864	ng/ul	100
69) Phenanthrene	17.03	178	7995937	60.391	ng/ul	98
71) Anthracene	17.12	178	4709182	34.914	ng/ul	99
76) Fluoranthene	19.07	202	17937541m	122.140	ng/ul	
79) Pyrene	19.43	202	25240535m	192.967	ng/ul	
82) Benzo(a)anthracene	21.21	228	15665329	123.954	ng/ul#	62
83) Bis(2-ethylhexyl)phthalate	21.16	149	101499	1.273	ng/ul#	88
84) Chrysene	21.27	228	15388706	131.199	ng/ul#	82
87) Benzo(b)fluoranthene	22.79	252	11914348	93.911	ng/ul	98

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(k)fluoranthene	22.82	252	4461480m	36.821	ng/ul	
90) Benzo(a)pyrene	23.34	252	11999062m	100.621	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.62	276	5258633m	39.885	ng/ul	
92) Dibenzo(a,h)anthracene	25.62	278	1880830m	16.809	ng/ul	
93) Benzo(g,h,i)perylene	26.29	276	3905756m	35.827	ng/ul	

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

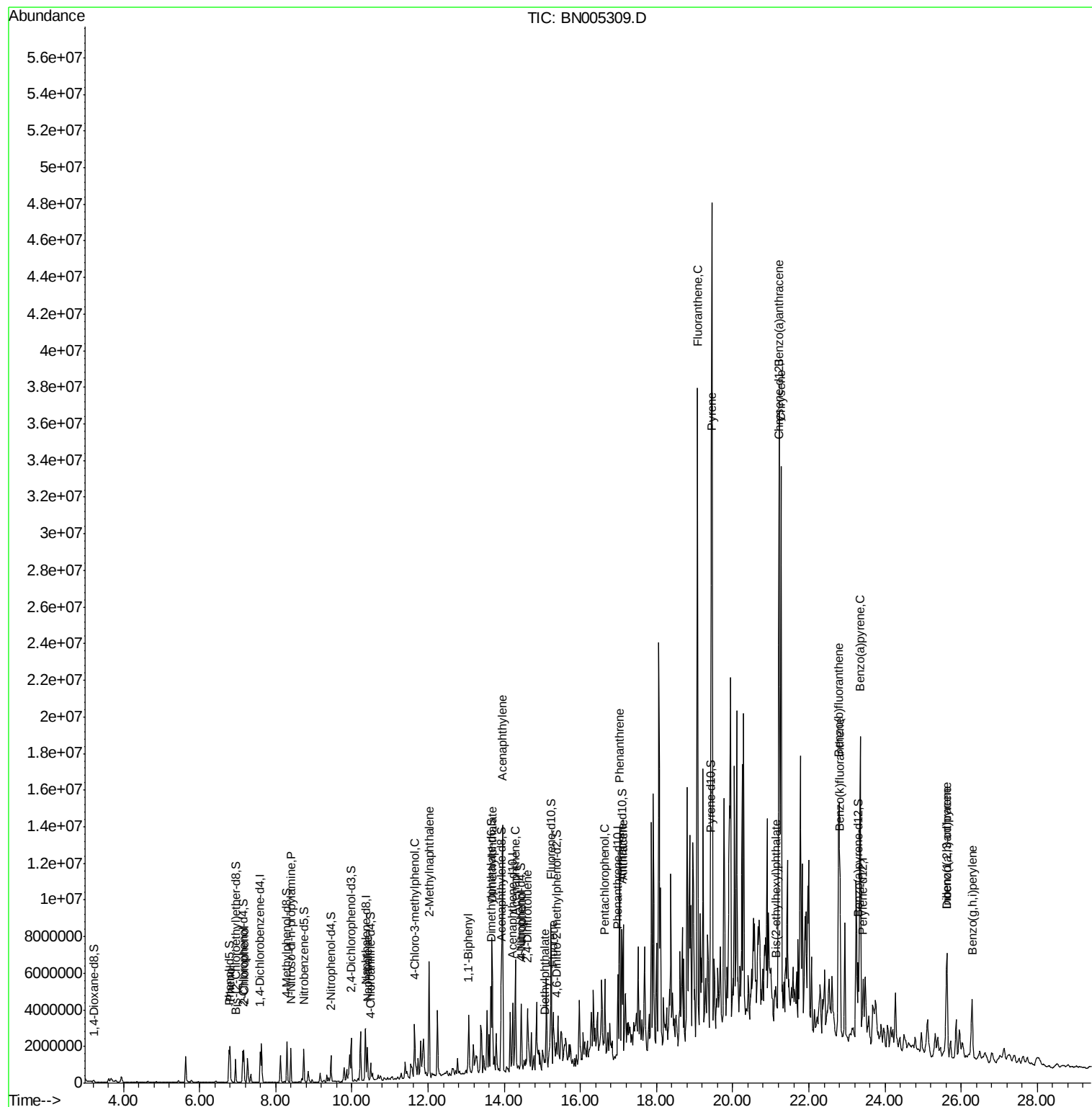
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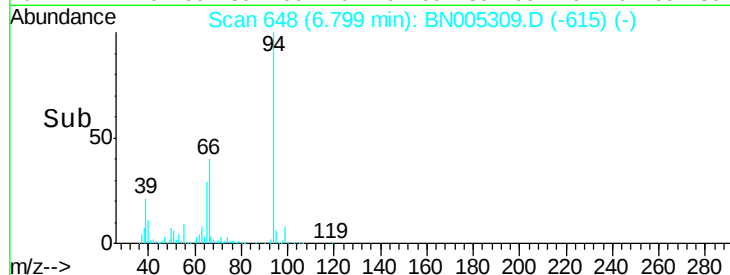
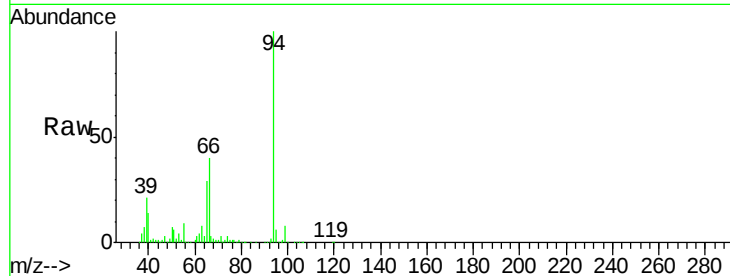
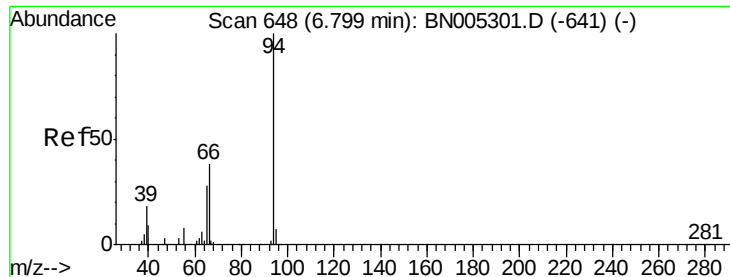
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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 27.732 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. -0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Tgt Ion:	94	Resp:	987870
Ion	Ratio	Lower	Upper
94	100		
65	29.4	24.2	36.4
66	39.7	33.8	50.6

Instrument :

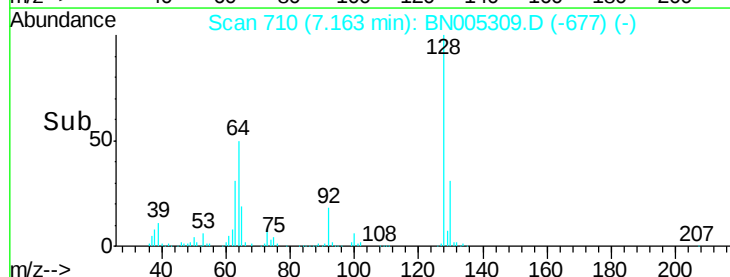
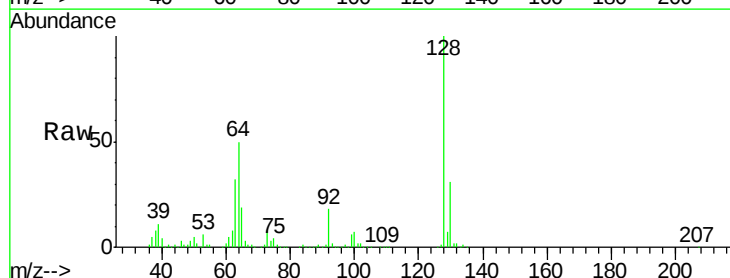
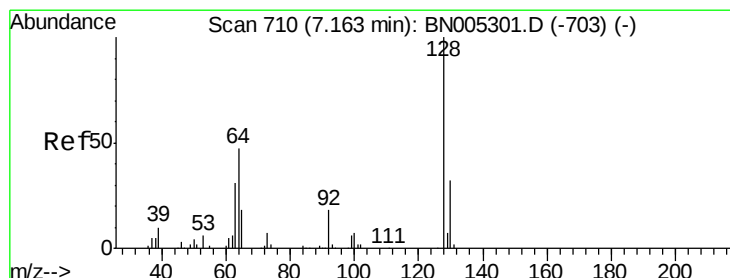
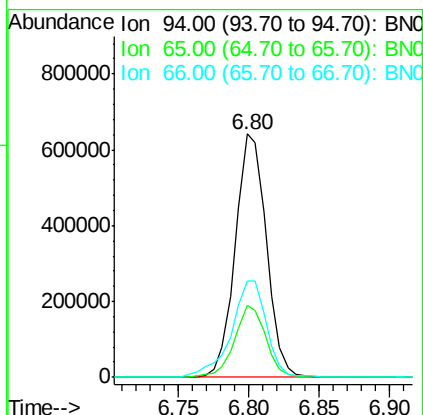
BNA_N

ClientSampleId :

GAHH9MSD

Manual Integrations
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#10

2-Chlorophenol

Concen: 27.174 ng/ul

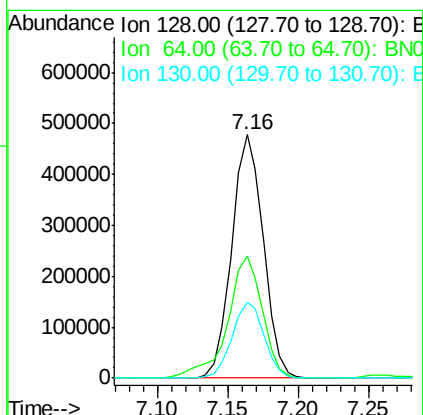
RT: 7.16 min Scan# 710

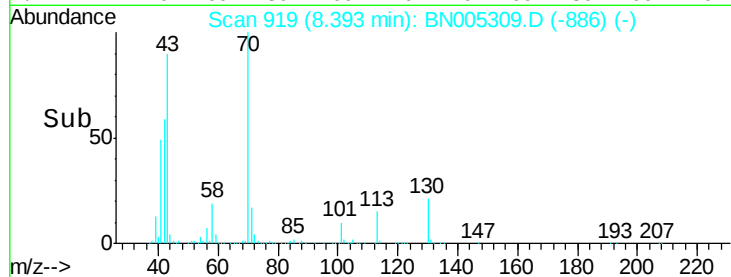
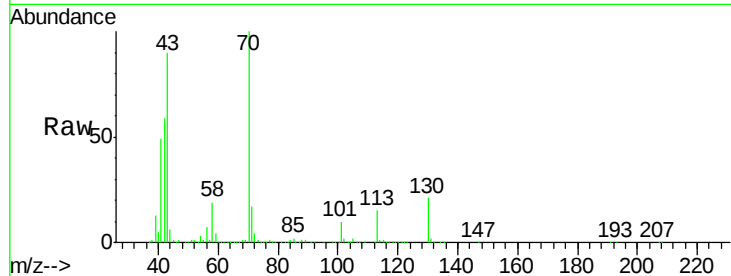
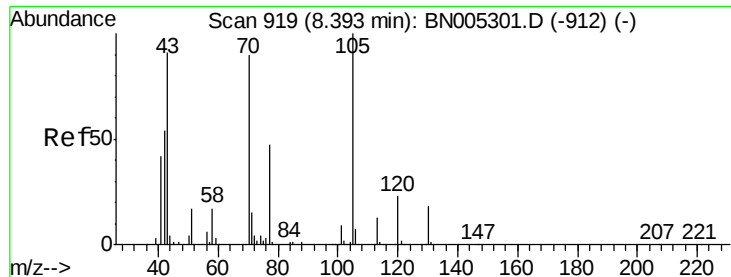
Delta R.T. -0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Tgt Ion:	128	Resp:	744577
Ion	Ratio	Lower	Upper
128	100		
64	50.1	42.3	63.5
130	31.4	26.5	39.7





#15

N-Nitroso-di-n-propylamine

Concen: 27.593 ng/ul

RT: 8.39 min Scan# 919

Delta R.T. -0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Tgt Ion:	70	Resp:	639488
Ion Ratio	Lower	Upper	
70	100		
42	58.9	53.8	80.8
101	10.2	7.7	11.5
130	21.3	15.0	22.4

Instrument :

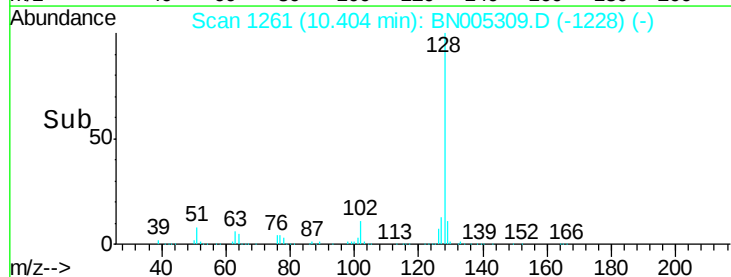
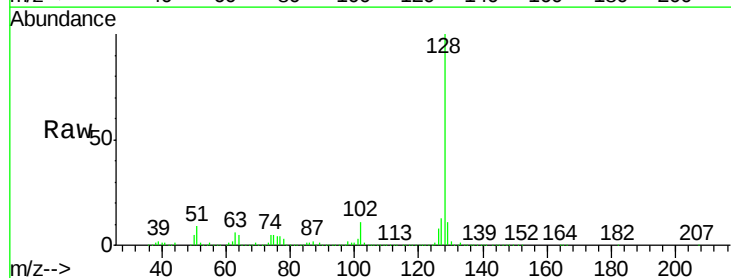
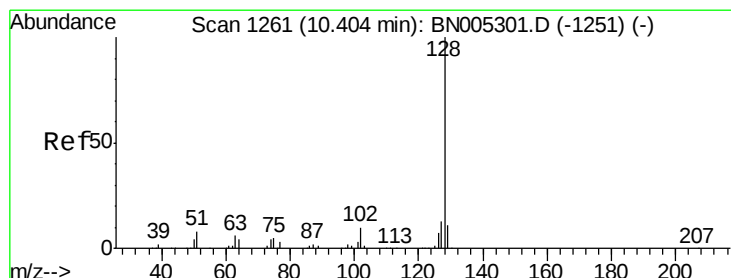
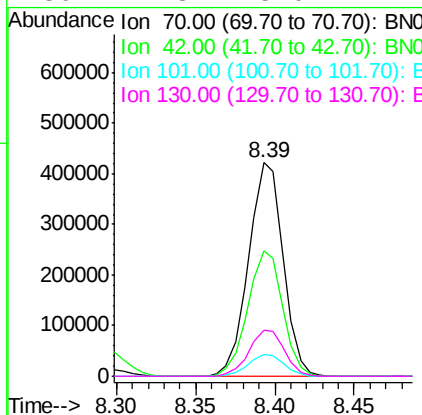
BNA_N

ClientSampleId :

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#28

Naphthalene

Concen: 15.725 ng/ul

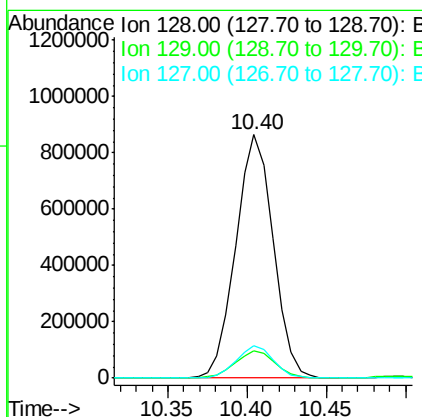
RT: 10.40 min Scan# 1261

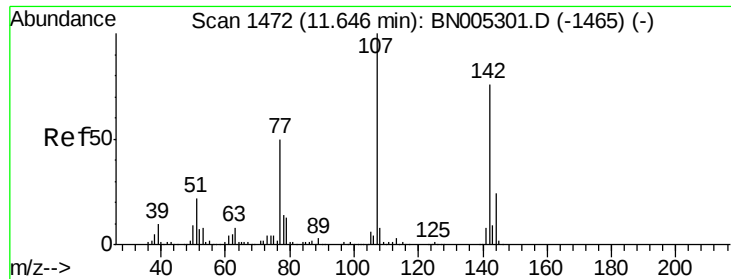
Delta R.T. -0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Tgt Ion:	128	Resp:	1410477
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.2	13.8
127	13.1	10.7	16.1





#33

4-Chloro-3-methylphenol

Concen: 32.459 ng/ul

RT: 11.65 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Instrument :

BNA_N

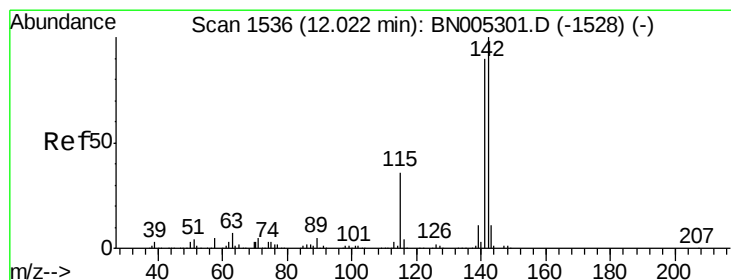
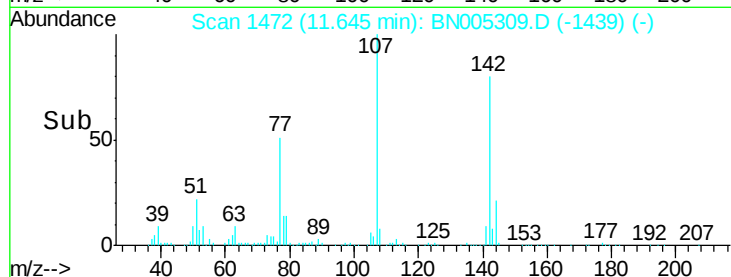
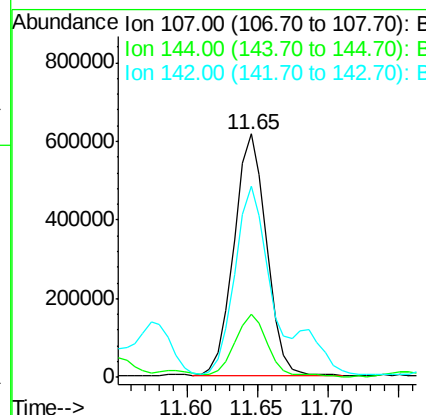
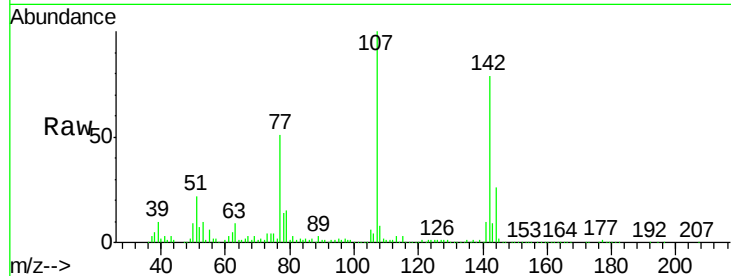
ClientSampleId :

GAHH9MSD

Tgt Ion:	107	Resp:	995413
Ion Ratio	Lower	Upper	
107	100		
144	25.7	19.4	29.0
142	78.5	57.7	86.5

Manual Integrations
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#34

2-Methylnaphthalene

Concen: 43.503 ng/ul

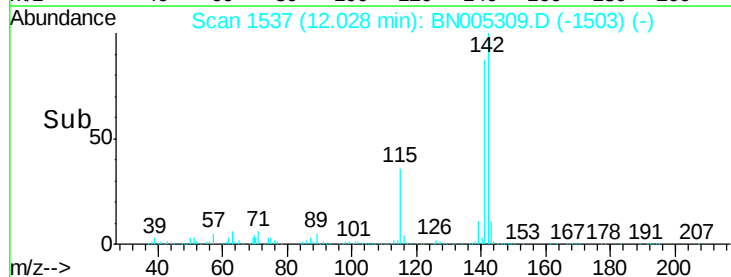
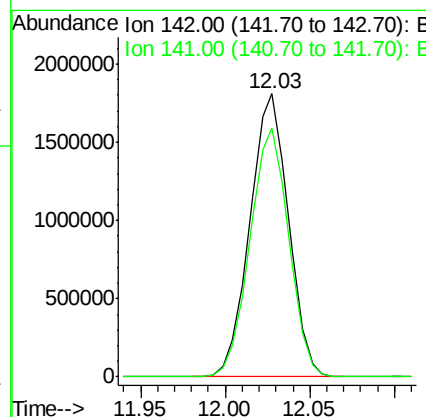
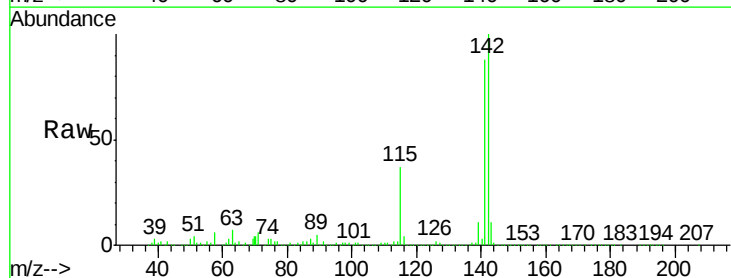
RT: 12.03 min Scan# 1537

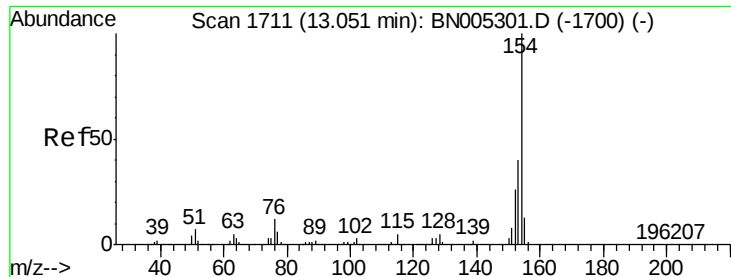
Delta R.T. 0.00 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Tgt Ion:	142	Resp:	2857066
Ion Ratio	Lower	Upper	
142	100		
141	87.8	72.0	108.0





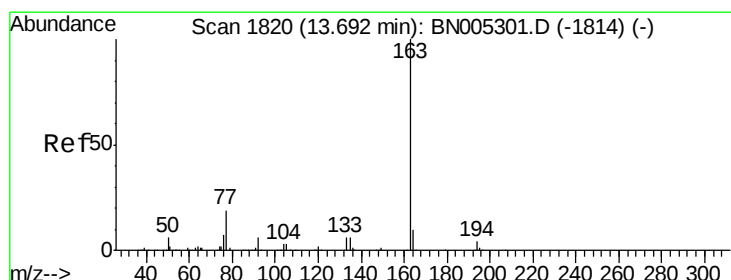
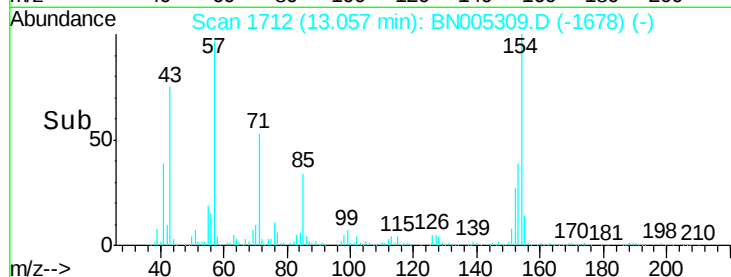
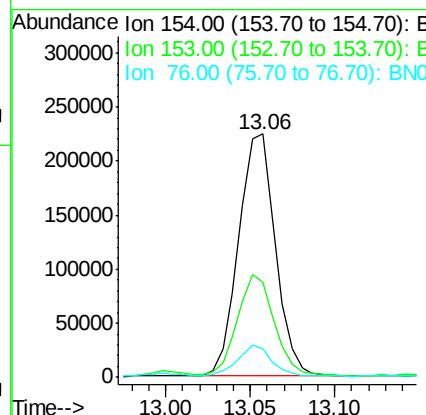
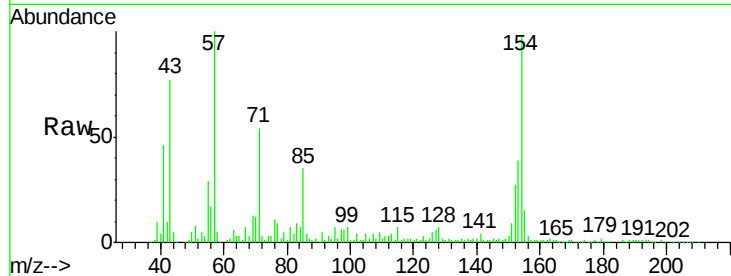
#40
1,1'-Biphenyl
Concen: 3.861 ng/ul
RT: 13.06 min Scan# 1712
Delta R.T. 0.00 min
Lab File: BN005309.D
Acq: 26 Apr 2019 08:12

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Tgt Ion	Ratio	Resp	Lower	Upper
154	100	340155		
153	39.3	32.6	49.0	
76	11.7	10.4	15.6	

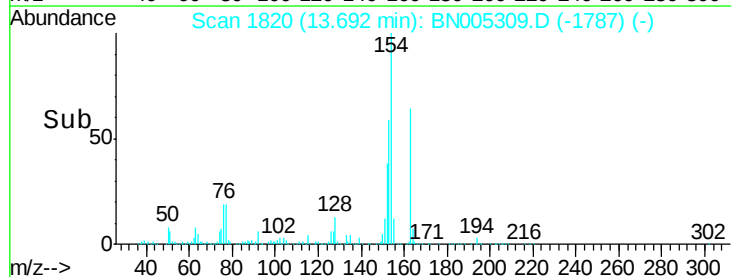
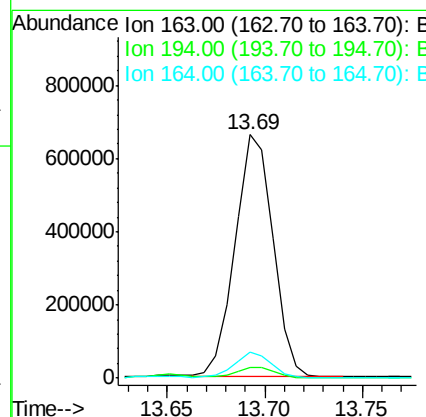
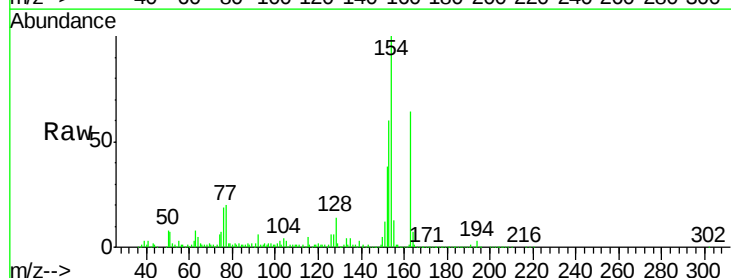
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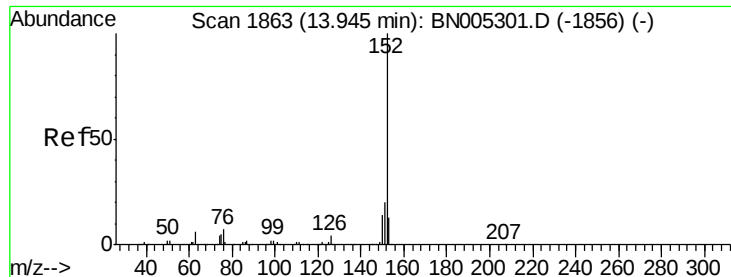
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#44
Dimethylphthalate
Concen: 10.463 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BN005309.D
Acq: 26 Apr 2019 08:12

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	894838		
194	4.4	3.4	5.0	
164	10.9	8.1	12.1	





#47

Acenaphthylene

Concen: 89.860 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Instrument :

BNA_N

ClientSampleId :

GAHH9MSD

Tgt Ion:152 Resp: 9309389

Ion Ratio Lower Upper

152 100

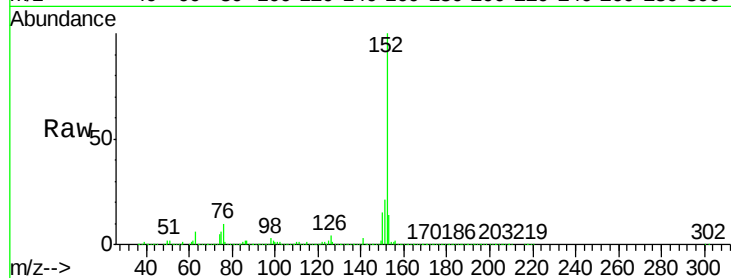
151 21.0 15.8 23.8

153 14.1 9.8 14.8

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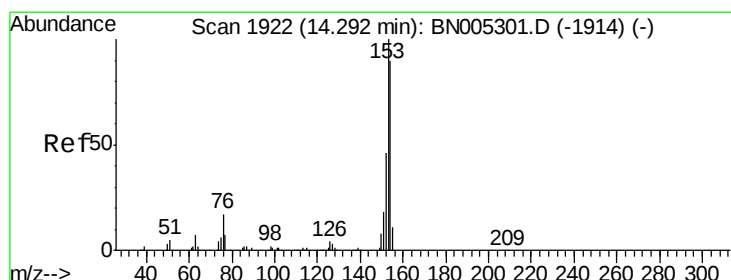
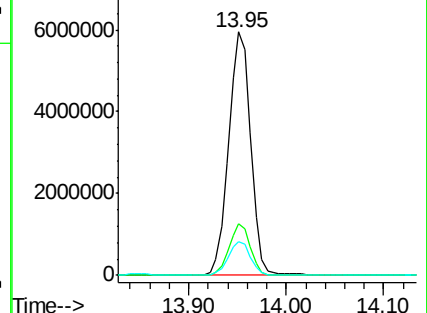
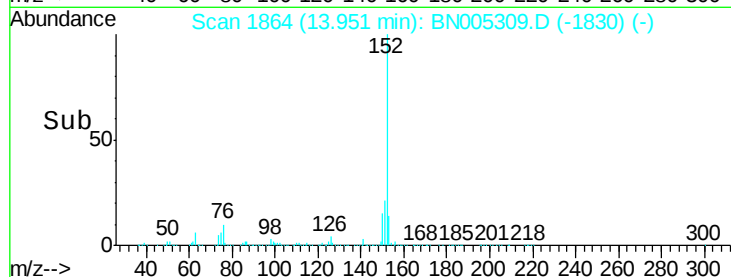
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 34.774 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

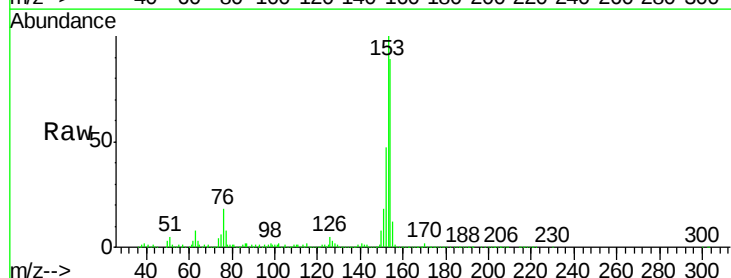
Tgt Ion:153 Resp: 2459422

Ion Ratio Lower Upper

153 100

152 46.7 37.4 56.0

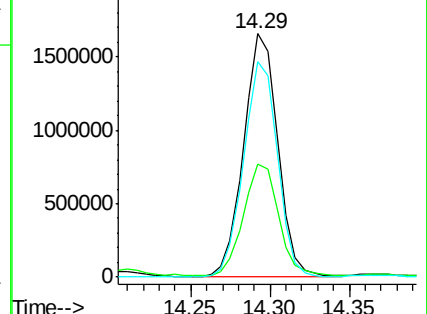
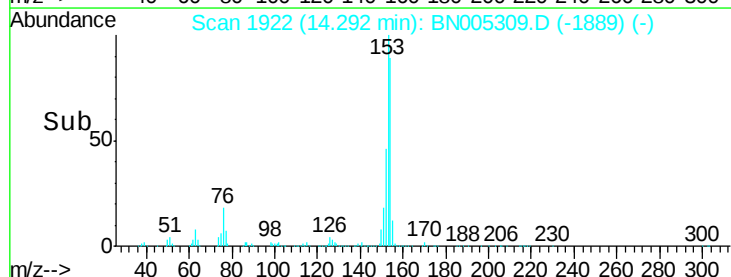
154 88.5 71.2 106.8

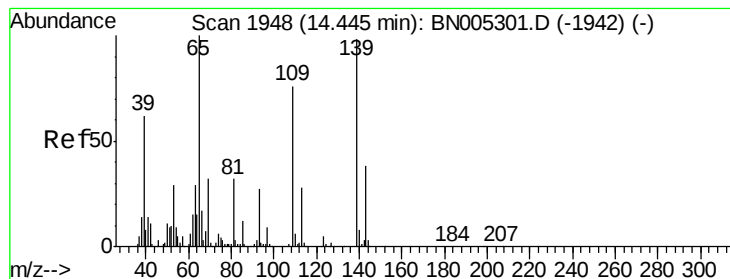


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 32.974 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Instrument :

BNA_N

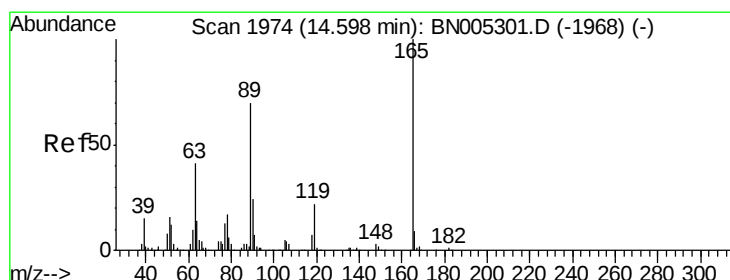
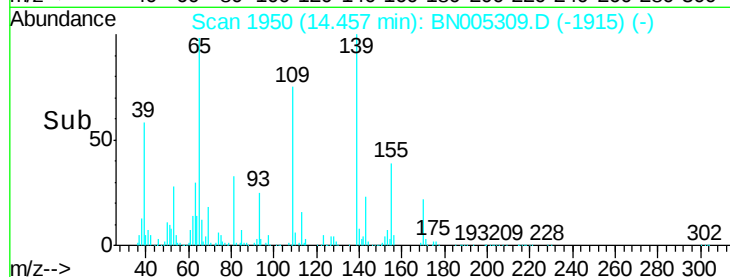
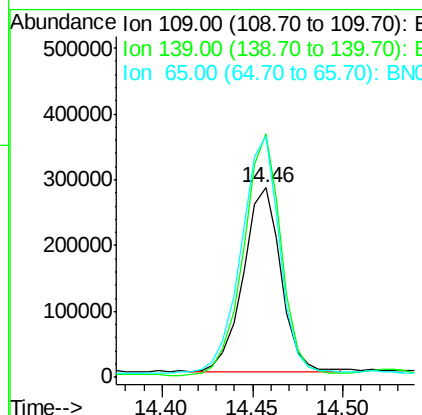
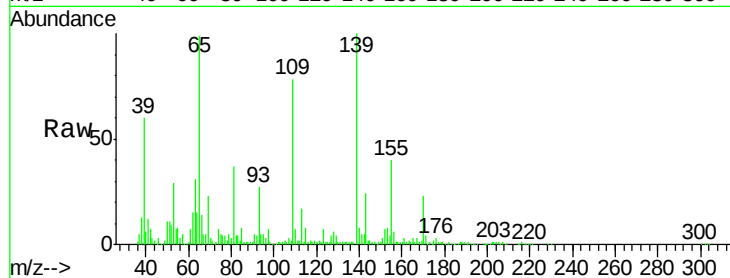
ClientSampleId :

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Tgt Ion:	109	Resp:	405628
Ion Ratio	Lower	Upper	
109	100		
139	128.6	92.3	138.5
65	127.0	97.5	146.3

Manual Integrations
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#54

2,4-Dinitrotoluene

Concen: 41.564 ng/ul

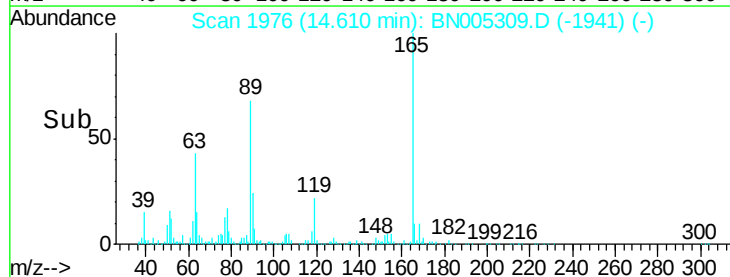
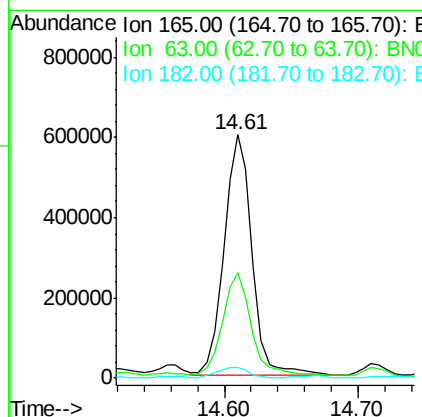
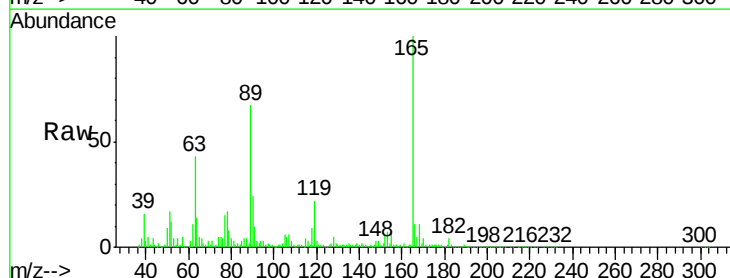
RT: 14.61 min Scan# 1976

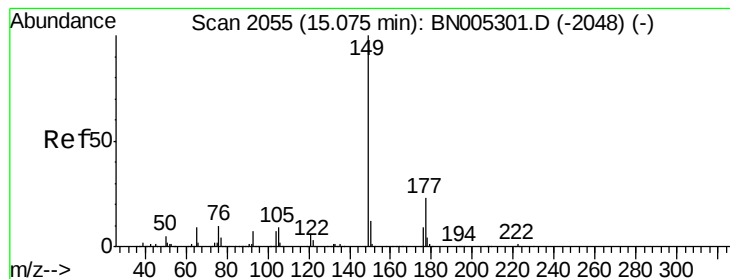
Delta R.T. 0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Tgt Ion:	165	Resp:	884819
Ion Ratio	Lower	Upper	
165	100		
63	43.3	38.9	58.3
182	4.1	2.6	3.8#





#56

Diethylphthalate

Concen: 1.036 ng/ul

RT: 15.07 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Instrument :

BNA_N

ClientSampleId :

GAHH9MSD

Tgt Ion:149 Resp: 88832
Ion Ratio Lower Upper

149 100

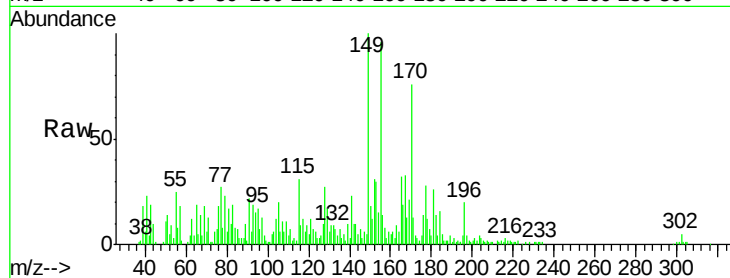
177 27.7 17.7 26.5#

150 18.1 10.0 15.0#

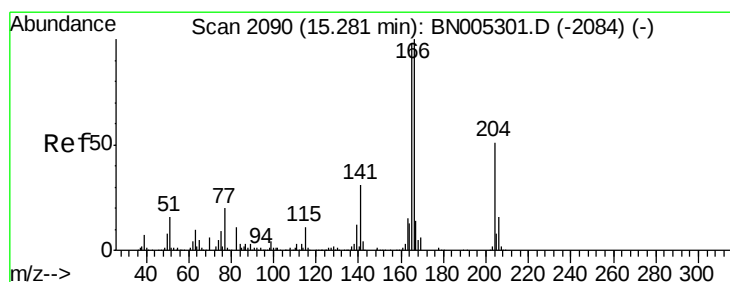
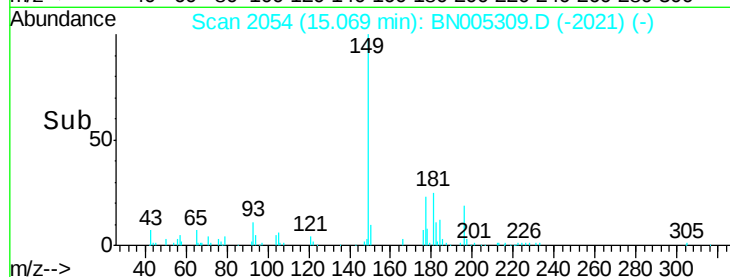
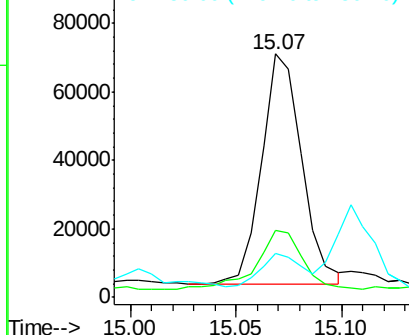
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#58

Fluorene

Concen: 22.863 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BN005309.D

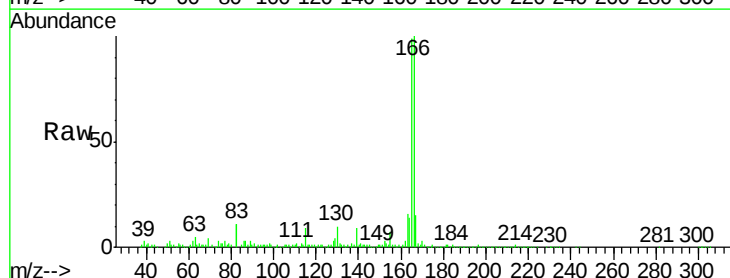
Acq: 26 Apr 2019 08:12

Tgt Ion:166 Resp: 1816627
Ion Ratio Lower Upper

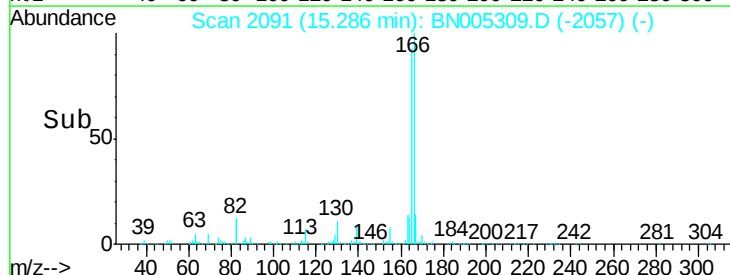
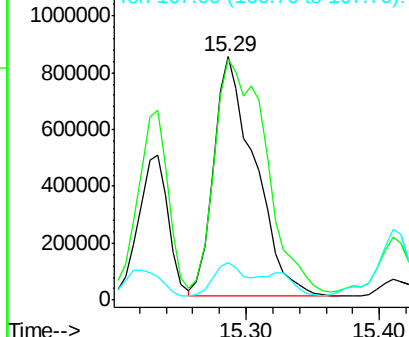
166 100

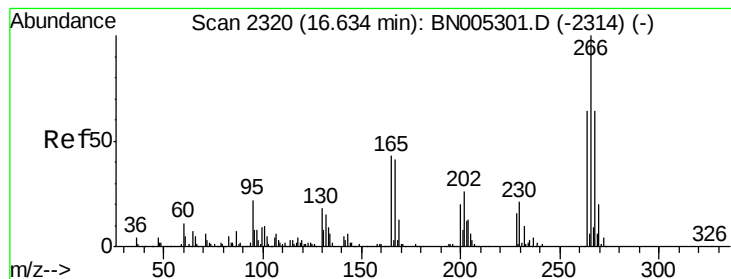
165 98.8 80.0 120.0

167 15.3 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#68

Pentachlorophenol

Concen: 33.864 ng/ul

RT: 16.64 min Scan# 2321

Delta R.T. 0.00 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Instrument :

BNA_N

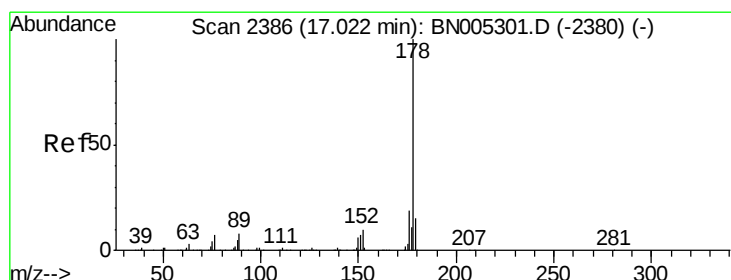
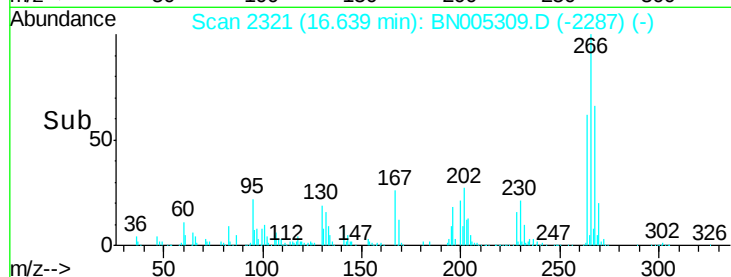
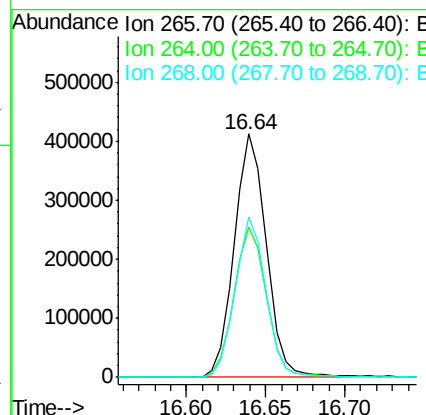
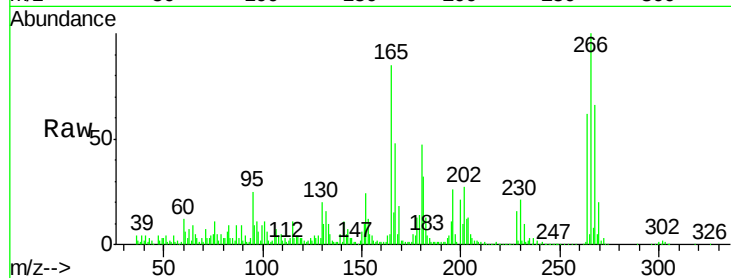
ClientSampled :

GAHH9MSD

Tgt Ion:	266	Resp:	578290
Ion Ratio		Lower	Upper
266	100		
264	61.8	49.7	74.5
268	65.6	52.4	78.6

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#69

Phenanthrene

Concen: 60.391 ng/ul

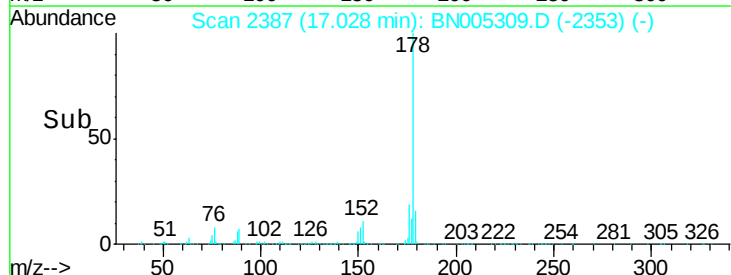
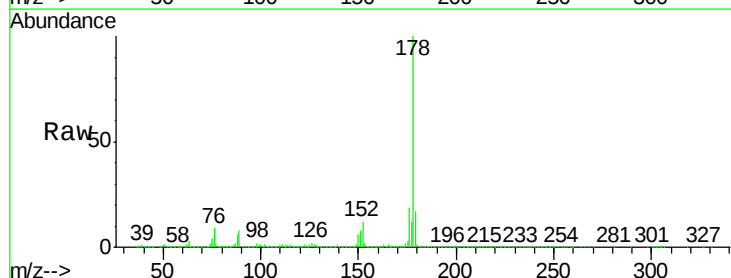
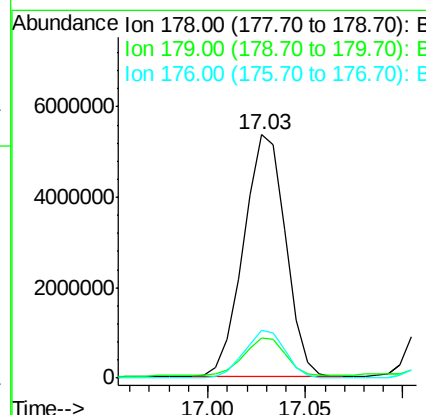
RT: 17.03 min Scan# 2387

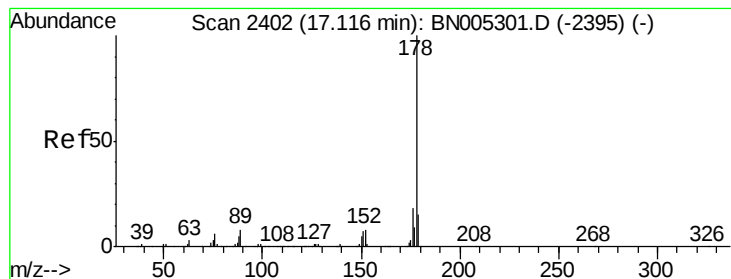
Delta R.T. 0.00 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Tgt Ion:	178	Resp:	7995937
Ion Ratio		Lower	Upper
178	100		
179	16.5	12.2	18.4
176	19.4	15.1	22.7





#71

Anthracene

Concen: 34.914 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Instrument :

BNA_N

ClientSampleId :

GAHH9MSD

Tgt Ion:178 Resp: 4709182

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

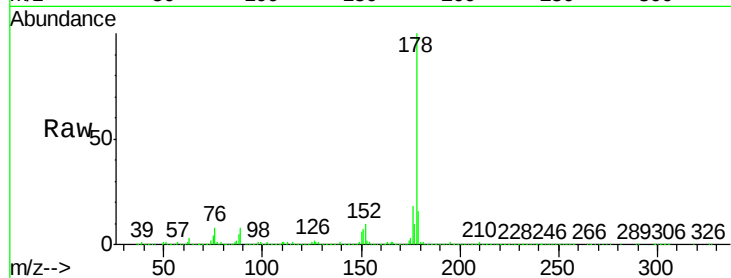
176 18.3 15.1 22.7

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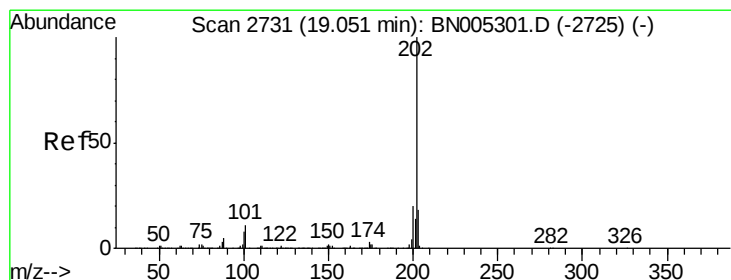
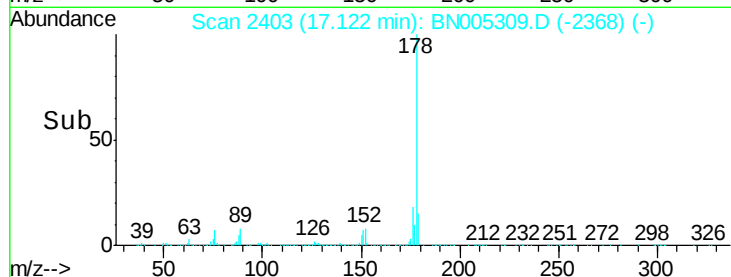
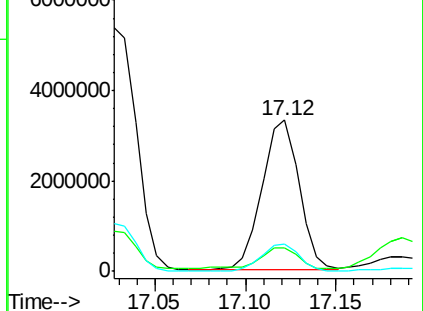
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#76

Fluoranthene

Concen: 122.140 ng/ul m

RT: 19.07 min Scan# 2734

Delta R.T. 0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

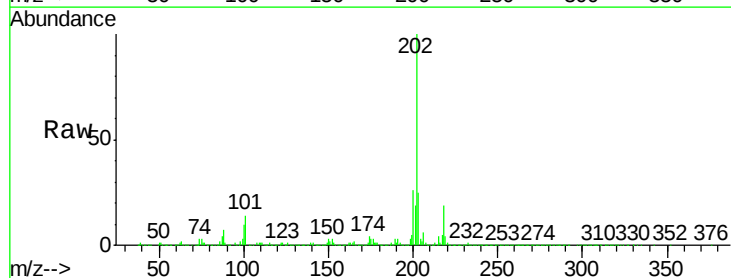
Tgt Ion:202 Resp:17937541

Ion Ratio Lower Upper

202 100

101 13.9 8.6 12.8#

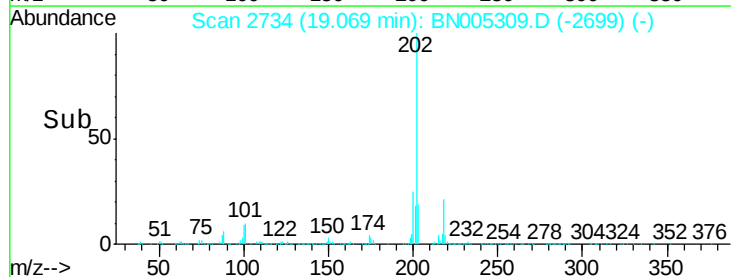
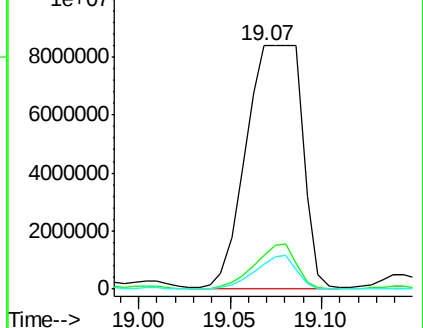
100 10.0 6.3 9.5#

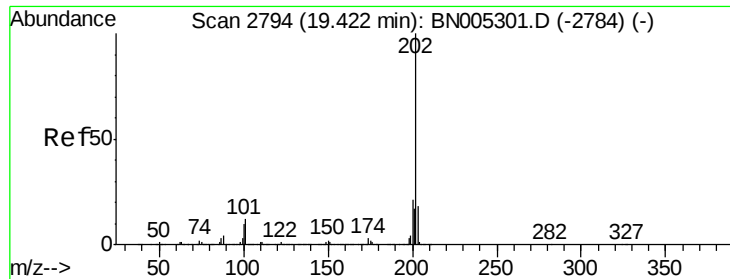


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





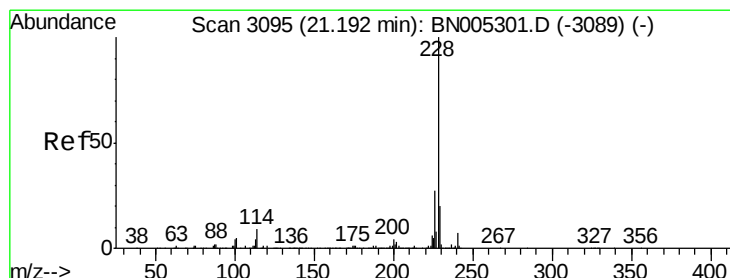
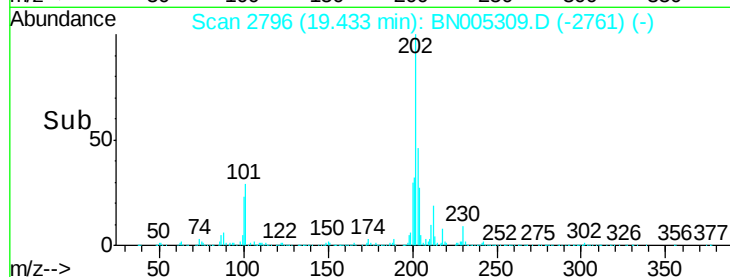
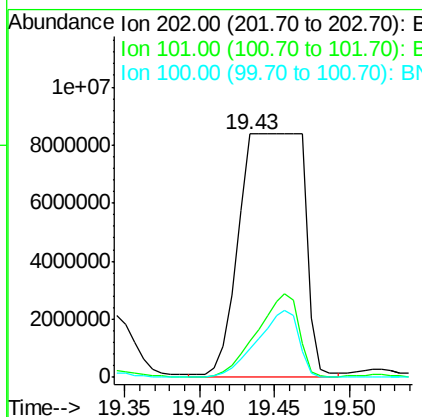
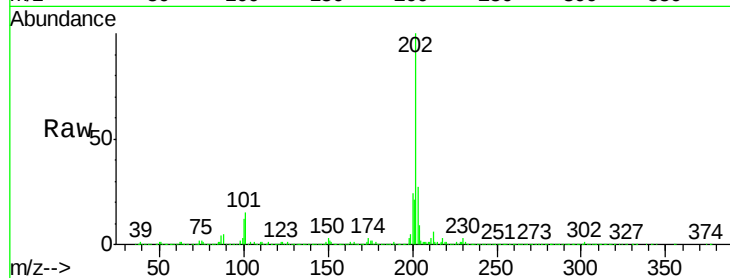
#79
 Pyrene
 Concen: 192.967 ng/ul m
 RT: 19.43 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: BN005309.D
 Acq: 26 Apr 2019 08:12

Instrument :
 BNA_N
 ClientSampled :
 GAHH9MSD

Tgt Ion:202 Resp:25240535
 Ion Ratio Lower Upper
 202 100
 101 15.1 10.3 15.5
 100 11.7 7.9 11.9

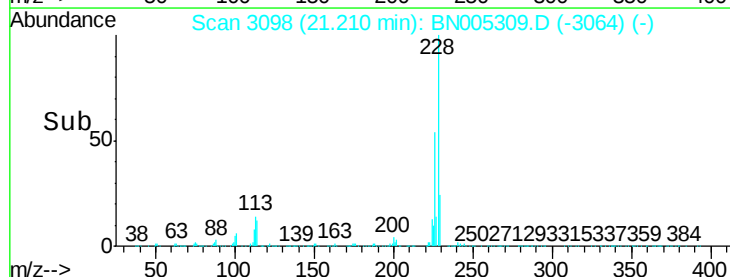
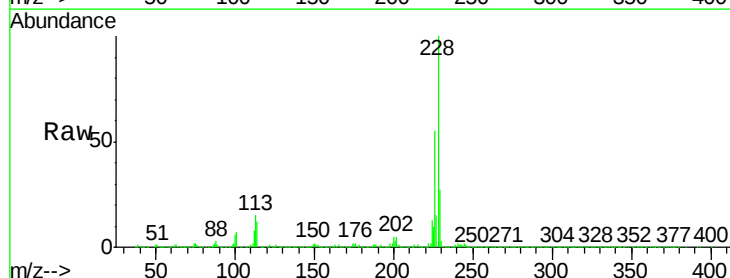
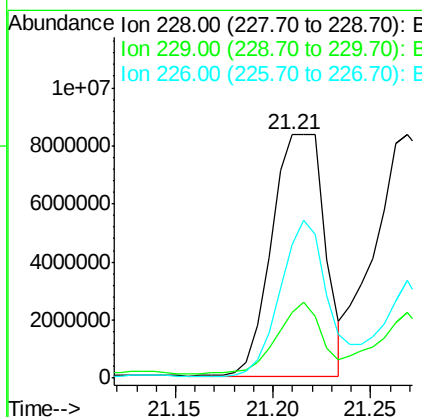
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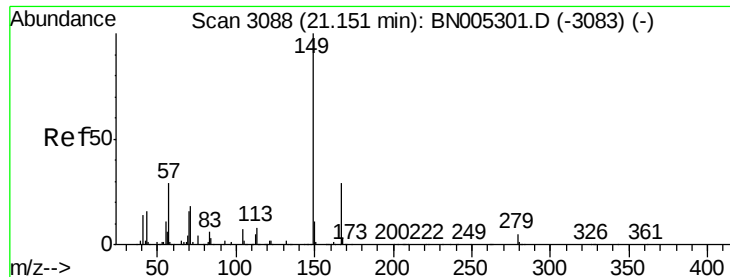
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#82
 Benzo(a)anthracene
 Concen: 123.954 ng/ul
 RT: 21.21 min Scan# 3098
 Delta R.T. 0.00 min
 Lab File: BN005309.D
 Acq: 26 Apr 2019 08:12

Tgt Ion:228 Resp:15665329
 Ion Ratio Lower Upper
 228 100
 229 26.9 15.8 23.6#
 226 55.1 21.4 32.2#





#83

Bis(2-ethylhexyl)phthalate

Concen: 1.273 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Instrument :

BNA_N

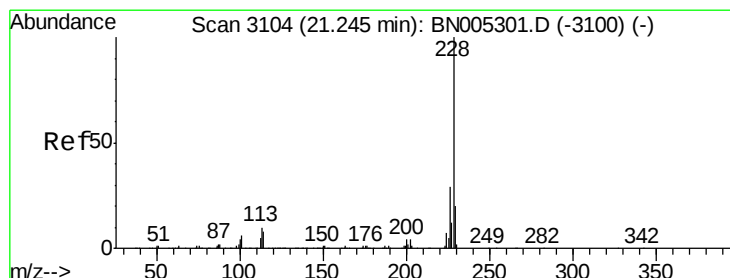
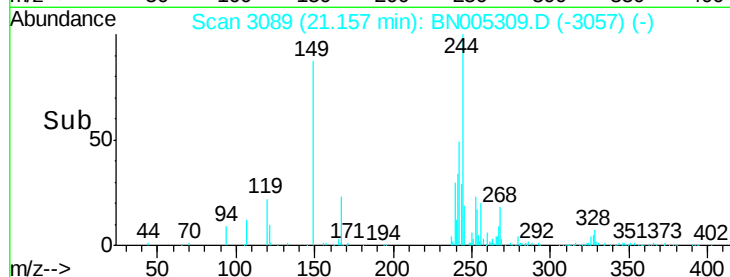
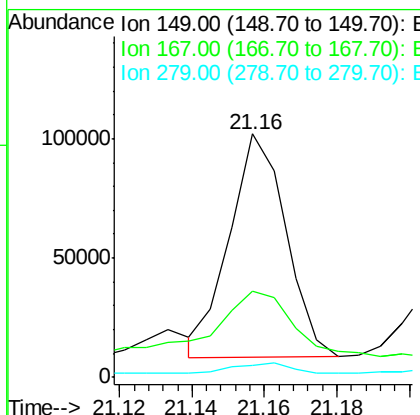
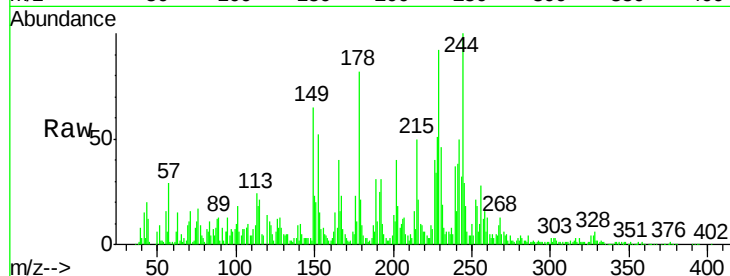
ClientSampleId :

GAHH9MSD

Tgt Ion:	149	Resp:	101499
Ion Ratio	Lower	Upper	
149	100		
167	35.2	22.3	33.5#
279	5.0	3.3	4.9#

Manual Integrations
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#84

Chrysene

Concen: 131.199 ng/ul

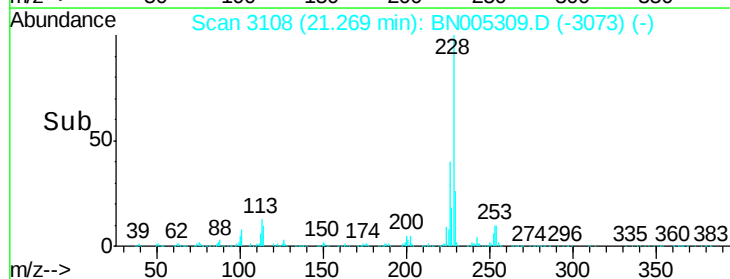
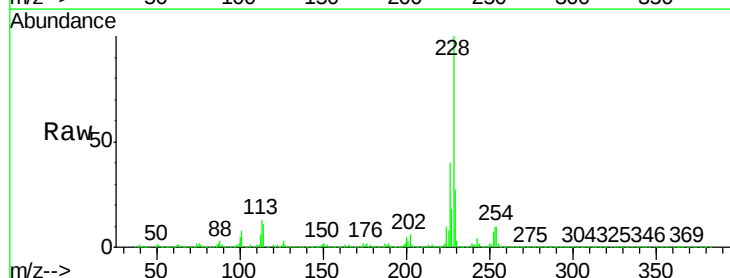
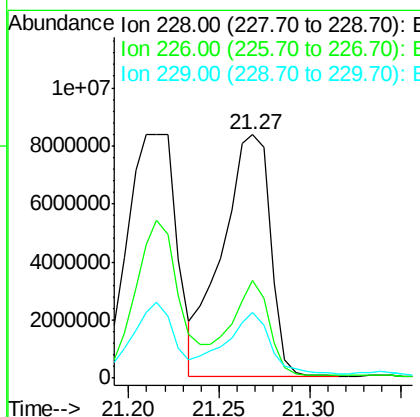
RT: 21.27 min Scan# 3108

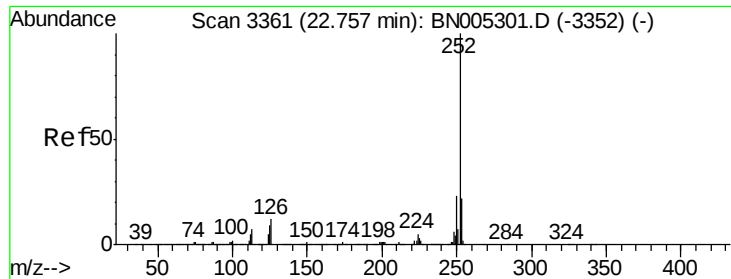
Delta R.T. 0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Tgt Ion:	228	Resp:	15388706
Ion Ratio	Lower	Upper	
228	100		
226	40.2	24.0	36.0#
229	26.9	15.4	23.0#





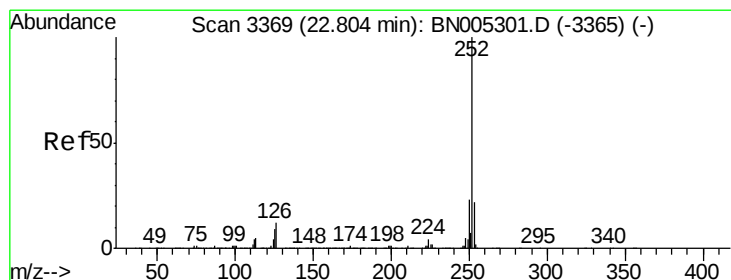
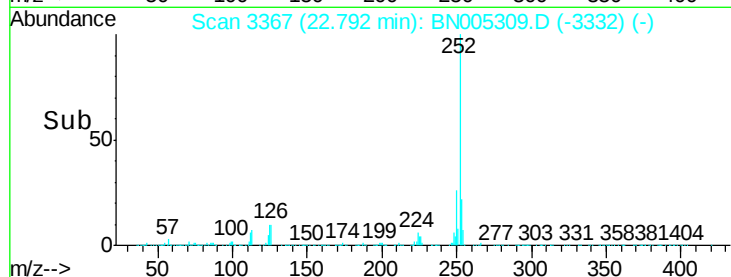
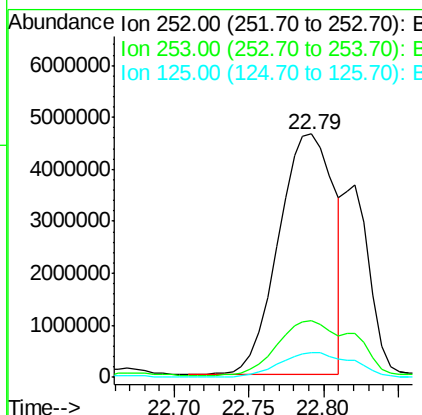
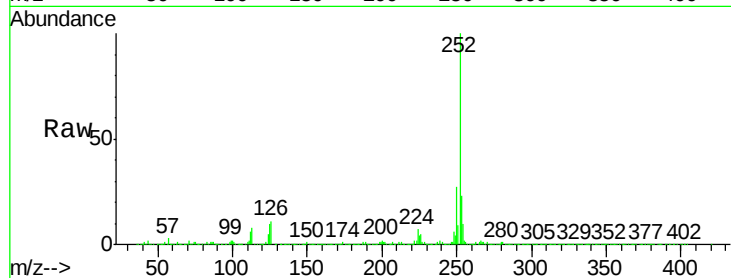
#87
Benzo(b)fluoranthene
Concen: 93.911 ng/ul
RT: 22.79 min Scan# 3367
Delta R.T. 0.01 min
Lab File: BN005309.D
Acq: 26 Apr 2019 08:12

Instrument :
BNA_N
ClientSampleId :
GAHH9MSD

Tgt Ion:252 Resp:11914348
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 10.2 8.4 12.6

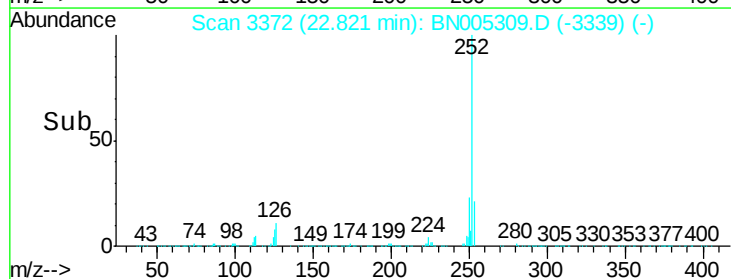
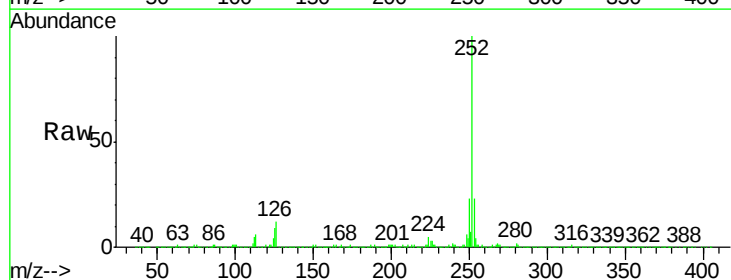
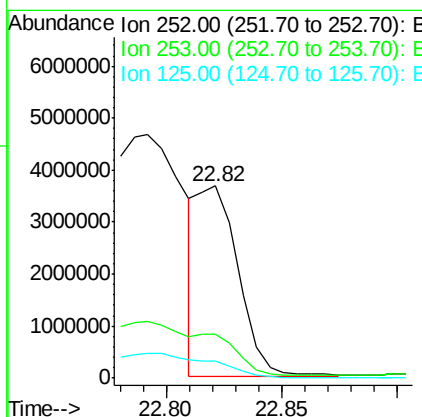
Manual Integrations
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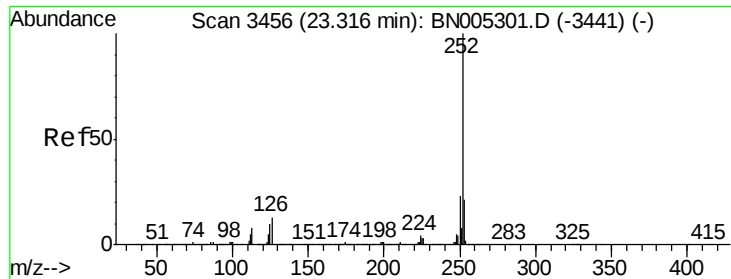
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#88
Benzo(k)fluoranthene
Concen: 36.821 ng/ul m
RT: 22.82 min Scan# 3372
Delta R.T. -0.01 min
Lab File: BN005309.D
Acq: 26 Apr 2019 08:12

Tgt Ion:252 Resp: 4461480
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 8.6 7.5 11.3





#90

Benzo(a)pyrene

Concen: 100.621 ng/ul m

RT: 23.34 min Scan# 3461

Delta R.T. 0.00 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Instrument :

BNA_N

ClientSampleId :

GAHH9MSD

Tgt Ion:252 Resp:11999062

Ion Ratio Lower Upper

252 100

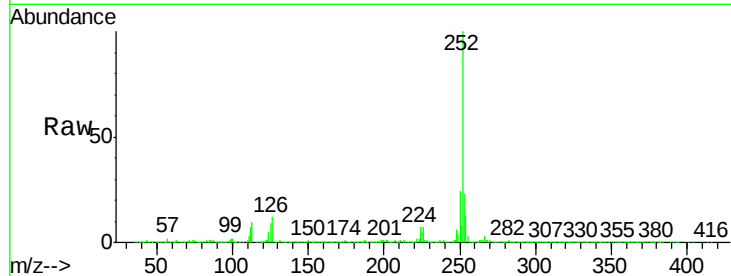
253 23.3 17.3 25.9

125 9.4 8.6 13.0

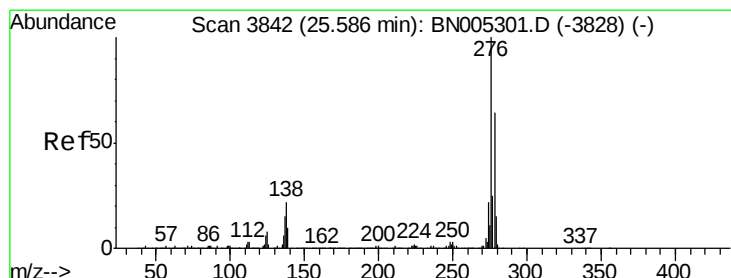
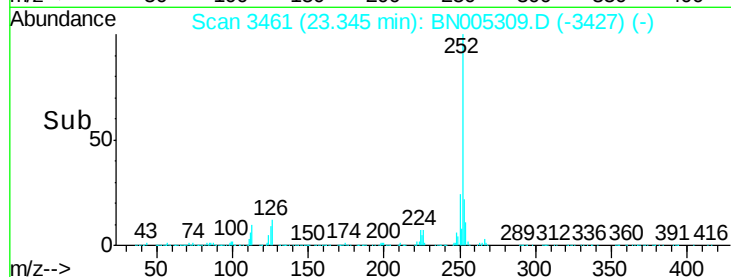
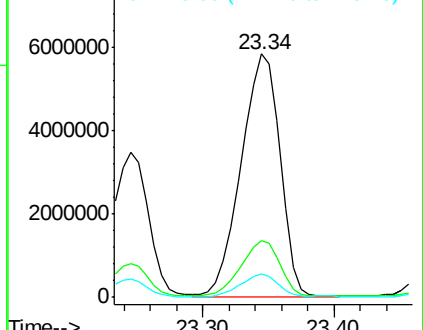
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 39.885 ng/ul m

RT: 25.62 min Scan# 3848

Delta R.T. -0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Tgt Ion:276 Resp: 5258633

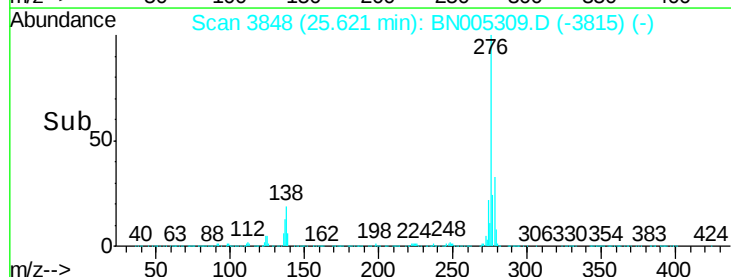
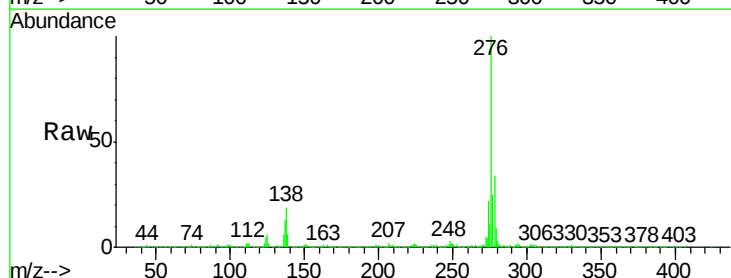
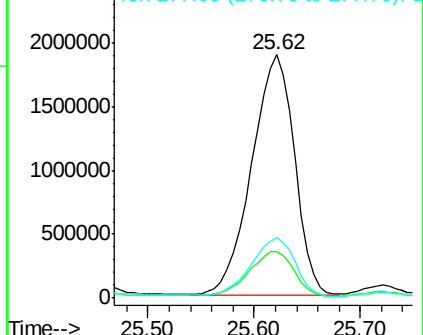
Ion Ratio Lower Upper

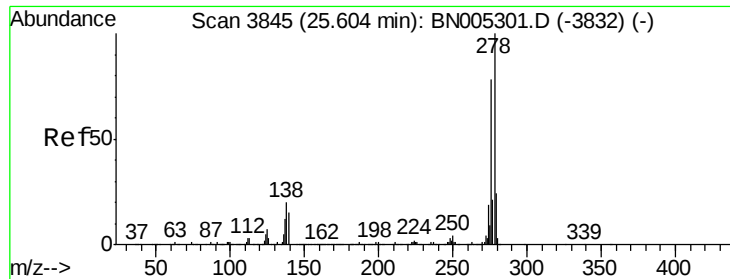
276 100

138 19.1 17.9 26.9

277 25.1 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: 16.809 ng/ul m

RT: 25.62 min Scan# 3848

Delta R.T. -0.02 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

Instrument :

BNA_N

ClientSampleId :

GAHH9MSD

Tgt Ion:278 Resp: 1880830

Ion Ratio Lower Upper

278 100

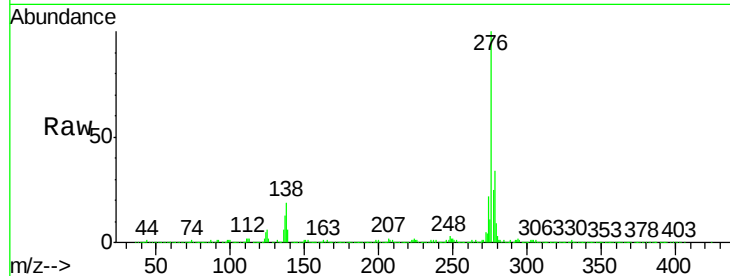
139 16.6 13.1 19.7

279 27.2 19.4 29.0

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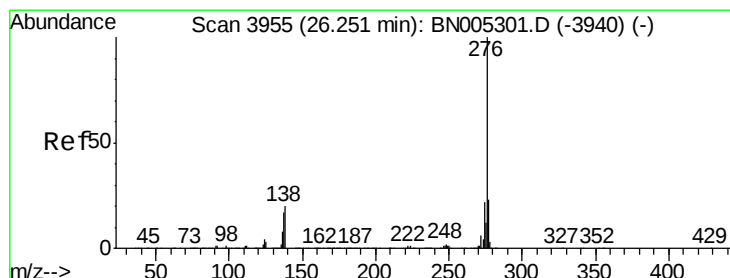
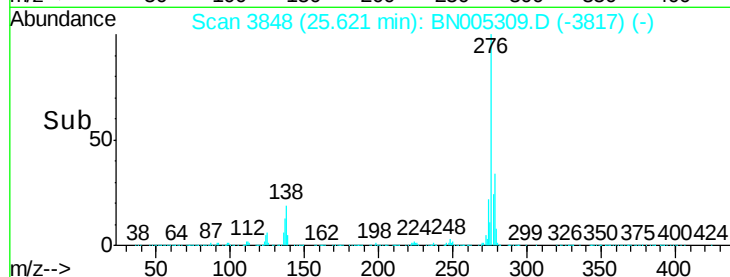
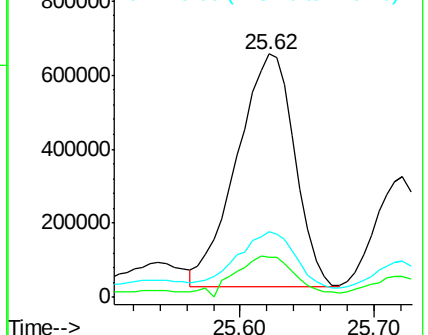
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Abundance Ion 278.00 (277.70 to 278.70): E

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: 35.827 ng/ul m

RT: 26.29 min Scan# 3961

Delta R.T. -0.01 min

Lab File: BN005309.D

Acq: 26 Apr 2019 08:12

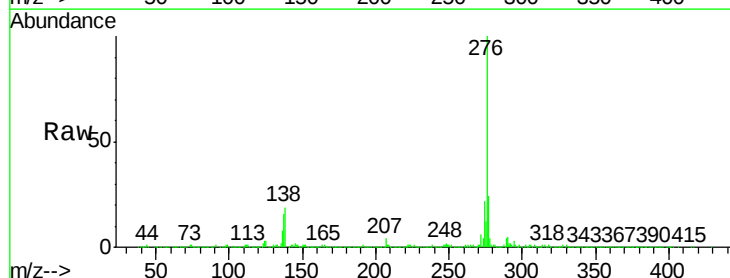
Tgt Ion:276 Resp: 3905756

Ion Ratio Lower Upper

276 100

138 19.3 16.7 25.1

277 24.4 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

