

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
 Data File : BN005341.D
 Acq On : 27 Apr 2019 05:42
 Operator : JU/SJ
 Sample : K2456-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHP8

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:44:12 PM

Quant Time: Apr 29 07:45:39 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	423417	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1790967	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1103871	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2519078	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	1775927	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	1928748m	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	28530	3.25	ng/uL	0.00
5) Phenol-d5	6.78	99	640487	19.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	379339	18.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	521371	20.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	530296	20.40	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	270363	24.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	315372	28.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	556579	21.73	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	464400	17.58	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1653827	20.64	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2051952	20.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	283167	22.38	ng/ul	0.00
57) Fluorene-d10	15.23	176	1436754	21.36	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	109103m	9.63	ng/ul	0.02
70) Anthracene-d10	17.09	188	2217417	21.00	ng/ul	0.00
78) Pyrene-d10	19.41	212	2225949	24.50	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.29	264	1703331	20.21	ng/ul	-0.01

Target Compounds

					Qvalue	
28) Naphthalene	10.40	128	868030	10.426	ng/ul	99
34) 2-Methylnaphthalene	12.03	142	3390441	55.614	ng/ul	99
40) 1,1'-Biphenyl	13.05	154	301248	3.663	ng/ul	98
44) Dimethylphthalate	13.70	163	389010	4.872	ng/ul	99
47) Acenaphthylene	13.96	152	13517894	139.761	ng/ul#	94
49) Acenaphthene	14.30	153	1596841	24.183	ng/ul	99
53) Dibenzofuran	14.63	168	823896	8.666	ng/ul#	83
58) Fluorene	15.29	166	7696544	103.750	ng/ul	98
69) Phenanthrene	17.03	178	23074855m	188.085	ng/ul	
71) Anthracene	17.13	178	6294533	50.366	ng/ul	99
76) Fluoranthene	19.07	202	17764095m	130.543	ng/ul	
79) Pyrene	19.44	202	23674621m	207.043	ng/ul	
82) Benzo(a)anthracene	21.21	228	13795908	124.871	ng/ul#	79
84) Chrysene	21.27	228	13087053	127.633	ng/ul#	91
87) Benzo(b)fluoranthene	22.79	252	11463877	105.736	ng/ul	99
88) Benzo(k)fluoranthene	22.82	252	2876520m	27.780	ng/ul	
90) Benzo(a)pyrene	23.34	252	6770514m	66.436	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.63	276	4746958m	42.131	ng/ul	
92) Dibenzo(a,h)anthracene	25.63	278	1571457m	16.434	ng/ul	
93) Benzo(g,h,i)perylene	26.29	276	4024278m	43.195	ng/ul	

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

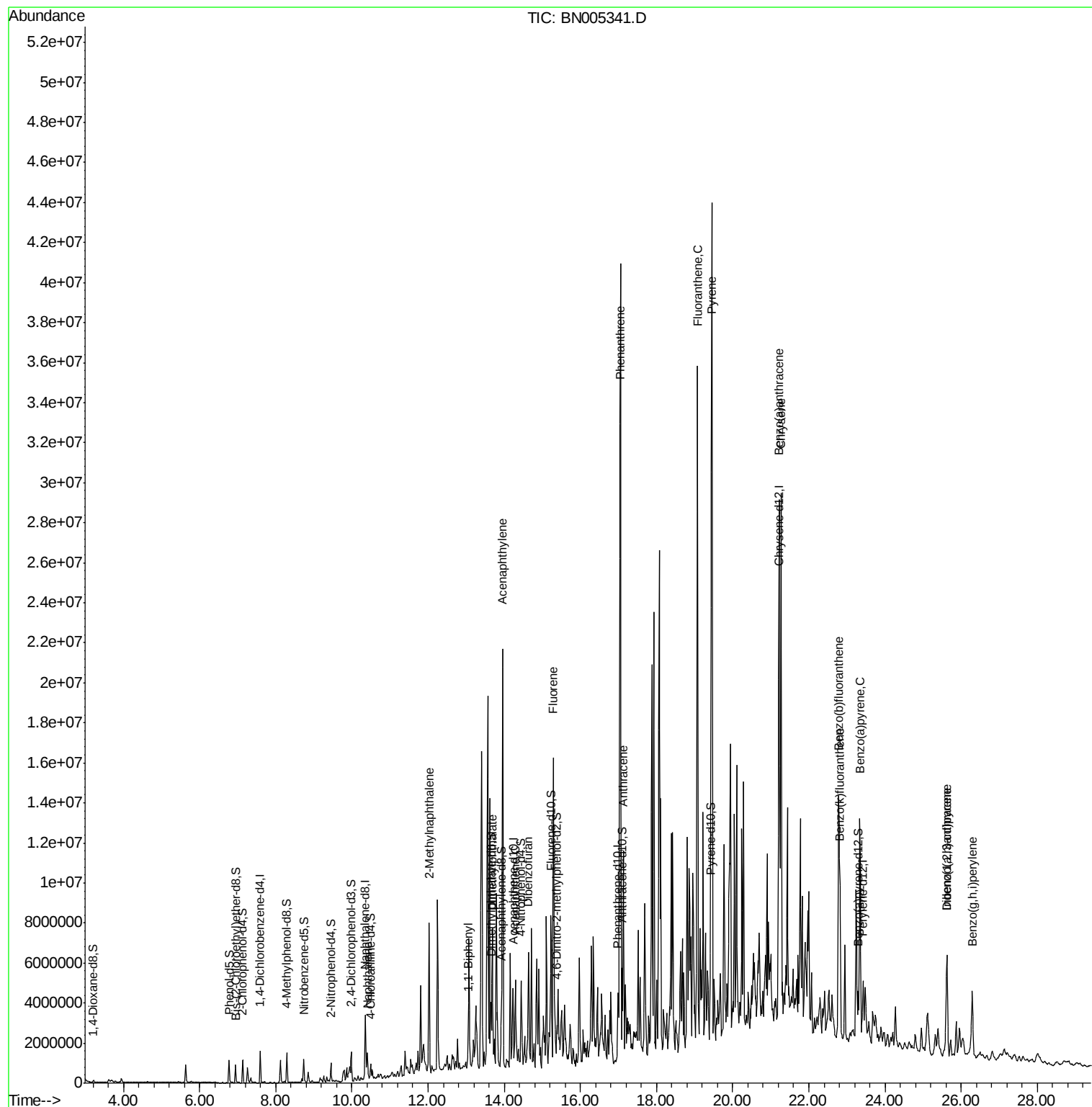
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
Data File : BN005341.D
Acq On : 27 Apr 2019 05:42
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ALS Vial : 24 Sample Multiplier: 1

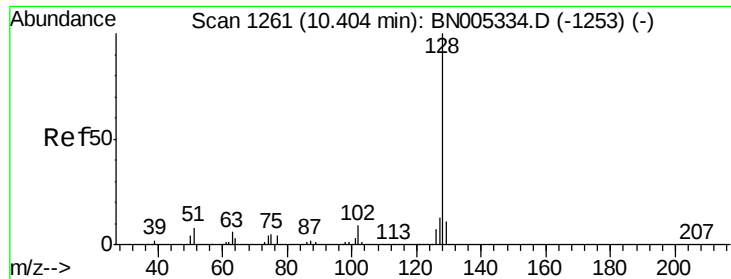
Instrument :
BNA_N
ClientSampleID :
GAHP8

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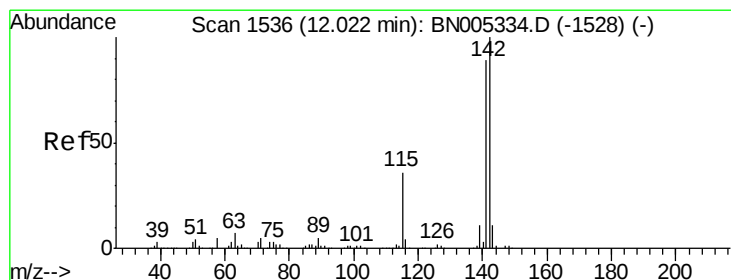
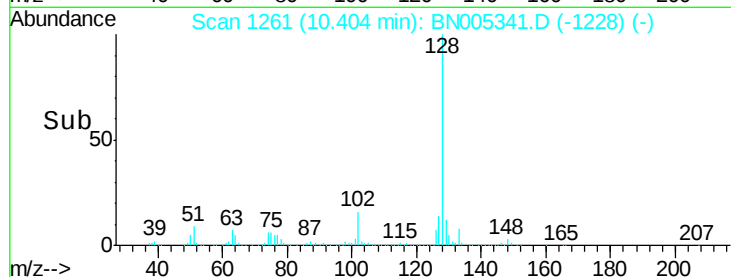
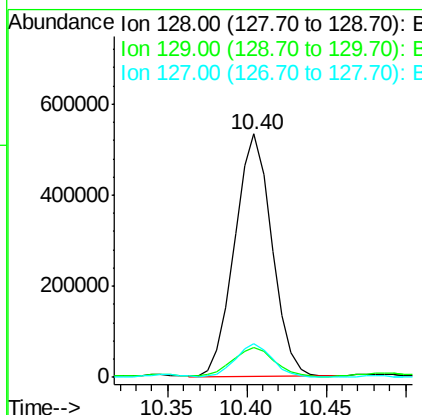
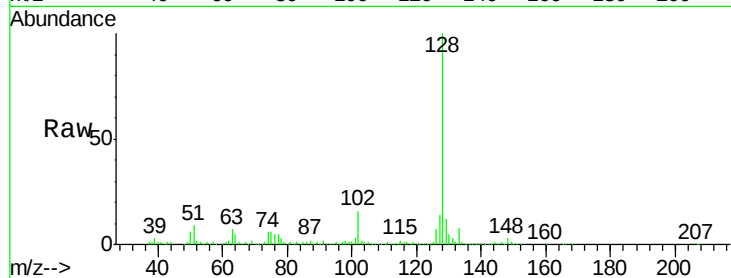
#28
Naphthalene
Concen: 10.426 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Instrument :
BNA_N
ClientSampleId :
GAHP8

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.2	13.8
127	13.6	10.7	16.1

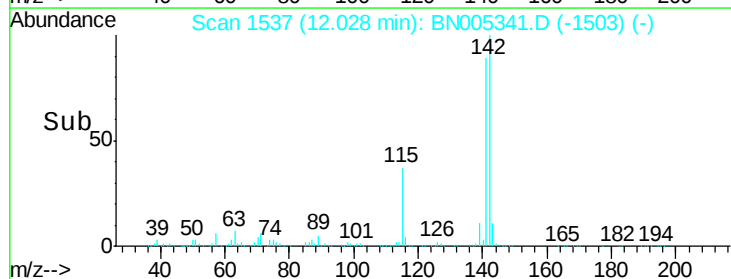
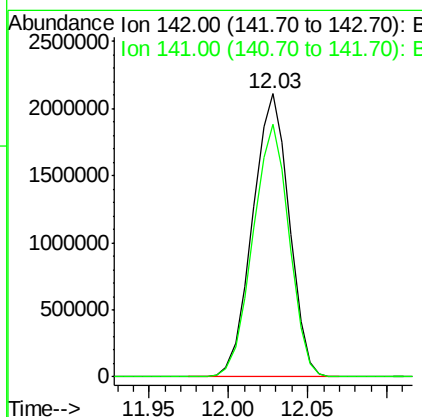
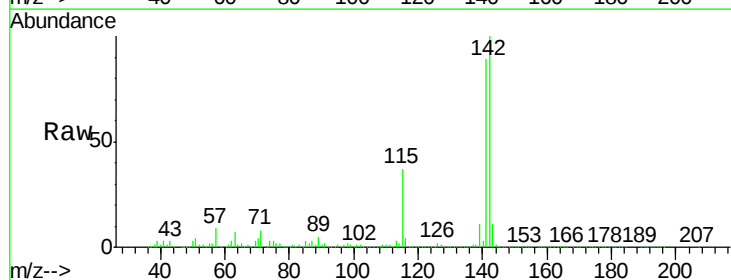
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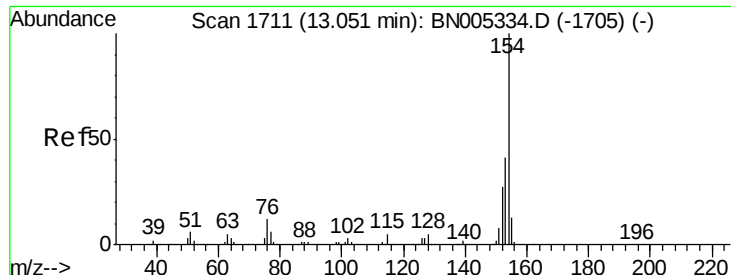
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#34
2-Methylnaphthalene
Concen: 55.614 ng/ul
RT: 12.03 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.0	108.0





#40

1,1'-Biphenyl

Concen: 3.663 ng/ul

RT: 13.05 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

Instrument :

BNA_N

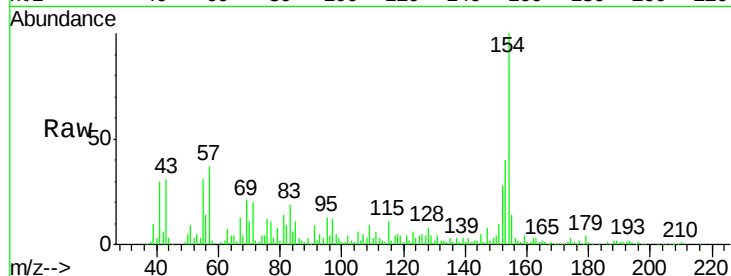
ClientSampled :

GAHP8

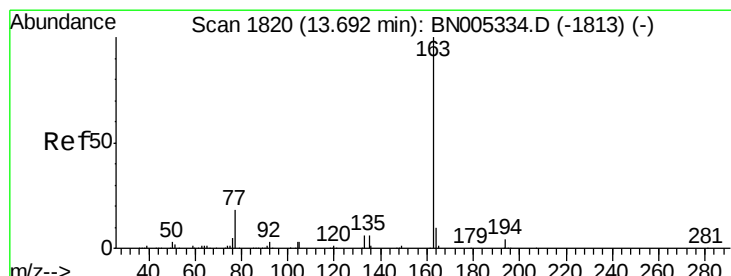
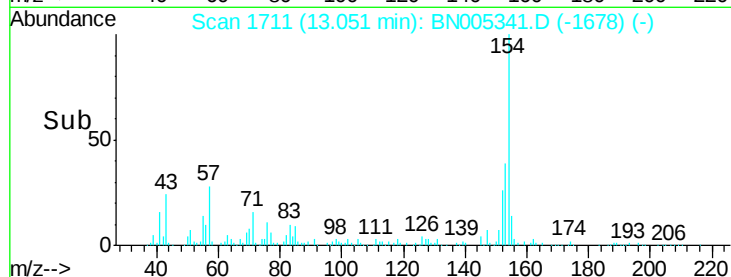
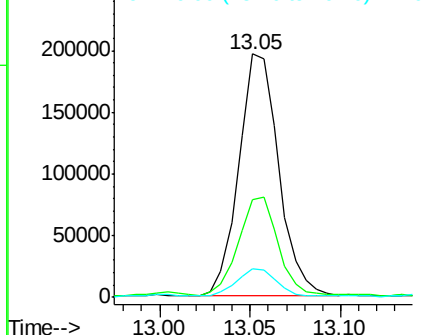
Tgt Ion:	154	Resp:	301248
Ion Ratio	Lower	Upper	
154	100		
153	40.0	32.6	49.0
76	11.9	10.4	15.6

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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



#44

Dimethylphthalate

Concen: 4.872 ng/ul

RT: 13.70 min Scan# 1821

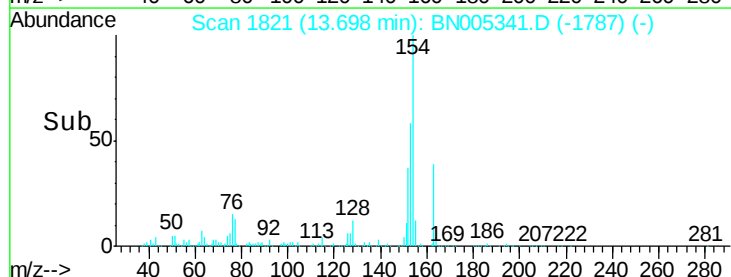
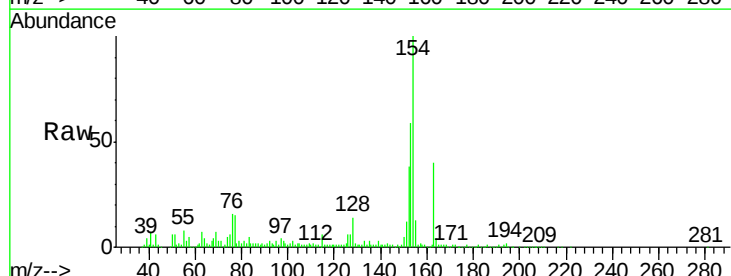
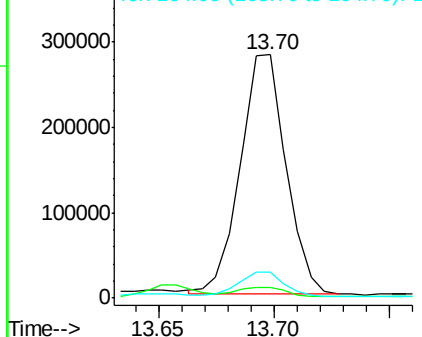
Delta R.T. 0.00 min

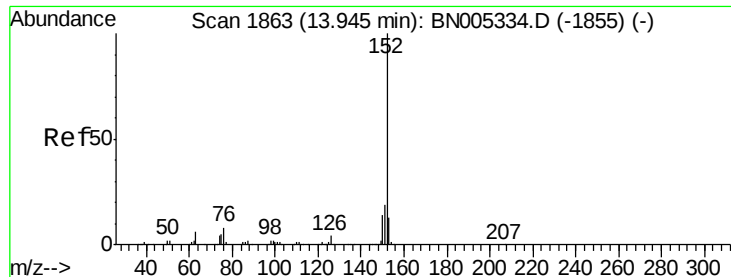
Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

Tgt Ion:	163	Resp:	389010
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.0
164	10.5	8.1	12.1

Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 139.761 ng/ul

RT: 13.96 min Scan# 1865

Delta R.T. 0.01 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

Instrument :

BNA_N

ClientSampled :

GAHP8

Tgt Ion:152 Resp:13517894

Ion Ratio Lower Upper

152 100

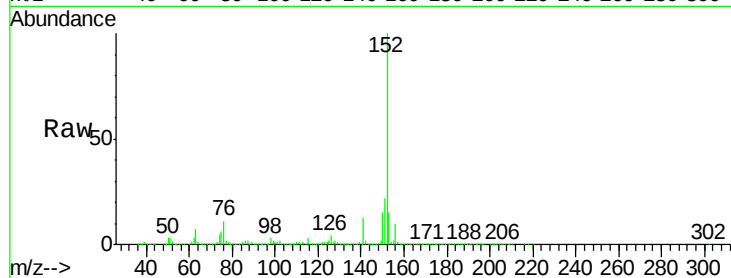
151 21.8 15.8 23.8

153 15.5 9.8 14.8#

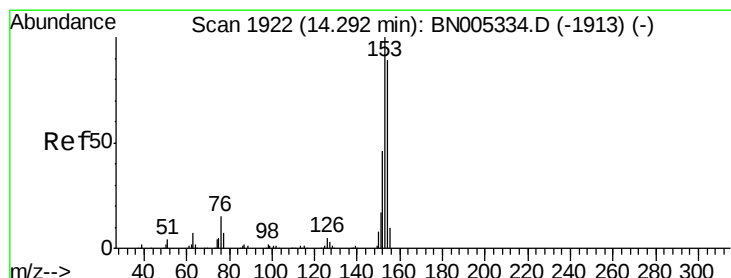
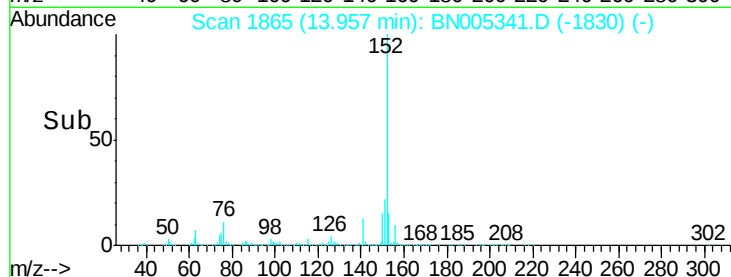
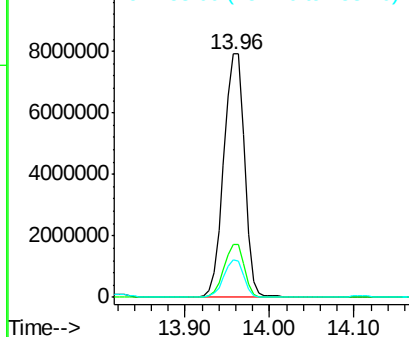
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 24.183 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

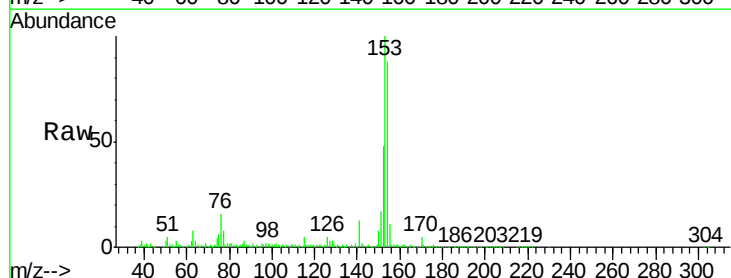
Tgt Ion:153 Resp: 1596841

Ion Ratio Lower Upper

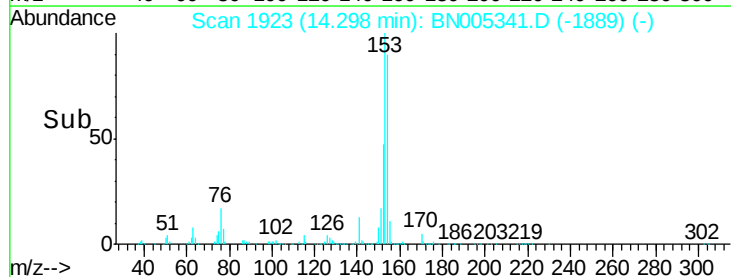
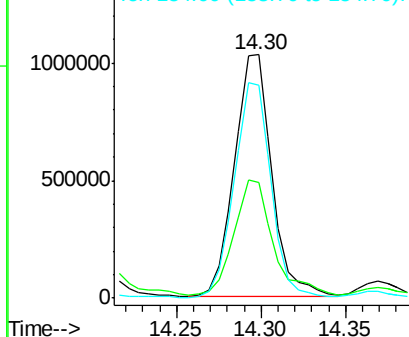
153 100

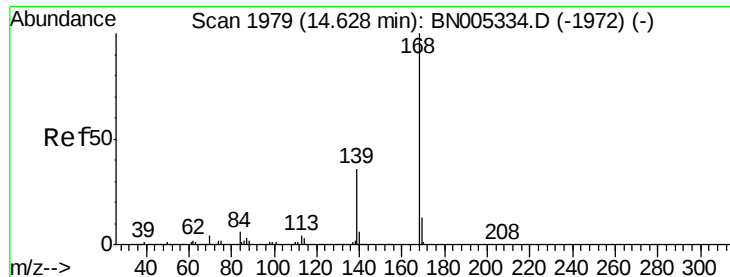
152 47.6 37.4 56.0

154 87.7 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





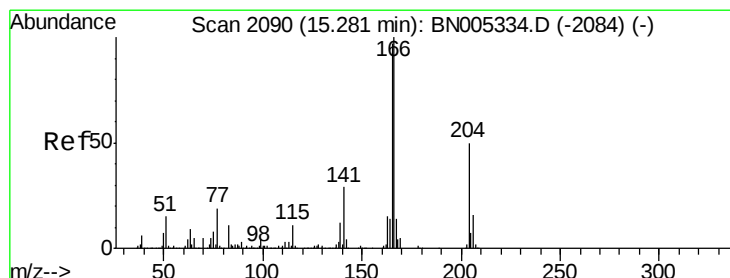
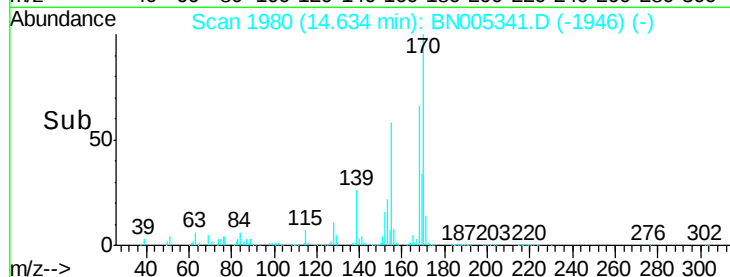
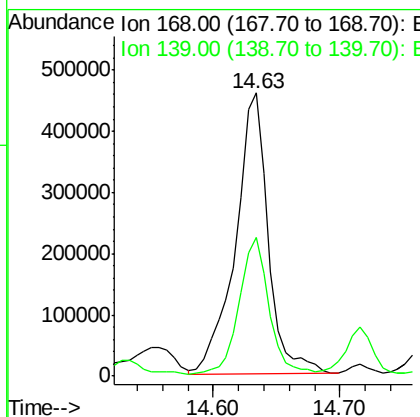
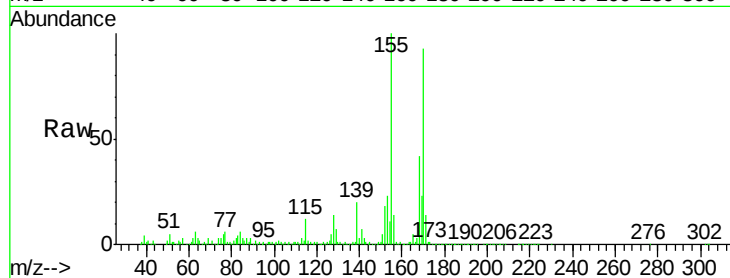
#53
Dibenzenofuran
Concen: 8.666 ng/ul
RT: 14.63 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Instrument :
BNA_N
ClientSampled :
GAHP8

Tgt Ion:168 Resp: 823896
Ion Ratio Lower Upper
168 100
139 49.1 30.9 46.3#

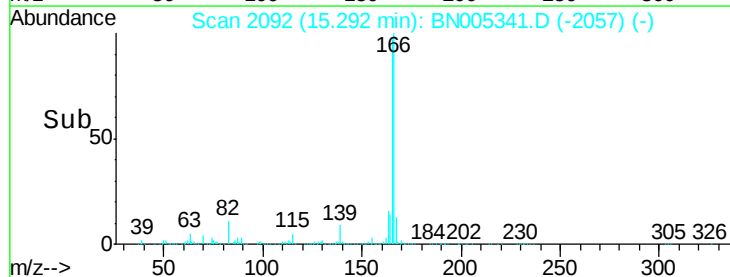
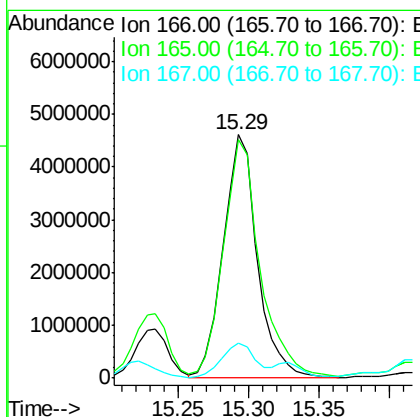
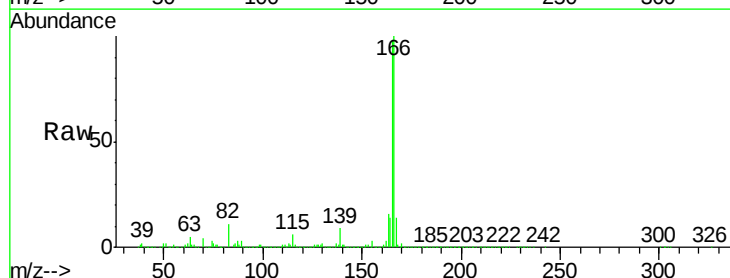
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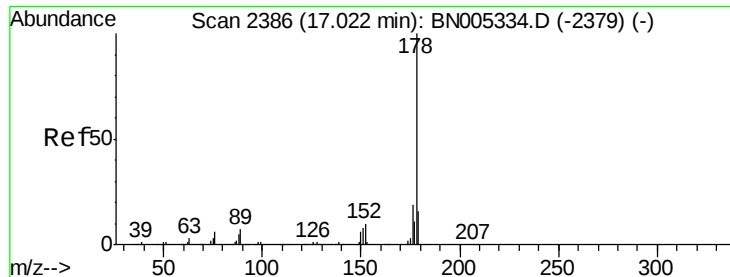
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#58
Fluorene
Concen: 103.750 ng/ul
RT: 15.29 min Scan# 2092
Delta R.T. 0.01 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Tgt Ion:166 Resp: 7696544
Ion Ratio Lower Upper
166 100
165 98.0 80.0 120.0
167 14.4 10.7 16.1





#69

Phenanthrene

Concen: 188.085 ng/ul m

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

Instrument :

BNA_N

ClientSampleId :

GAHP8

Tgt Ion:178 Resp:23074855

Ion Ratio Lower Upper

178 100

179 21.9 12.2 18.4#

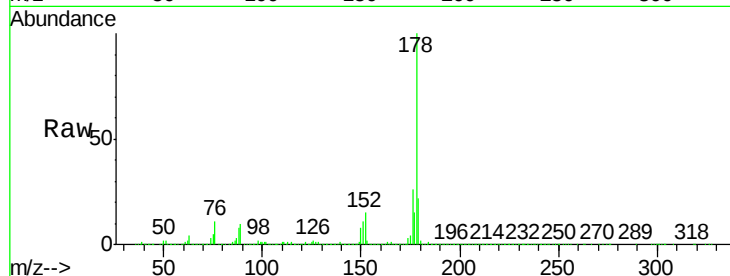
176 25.5 15.1 22.7#

Manual Integrations

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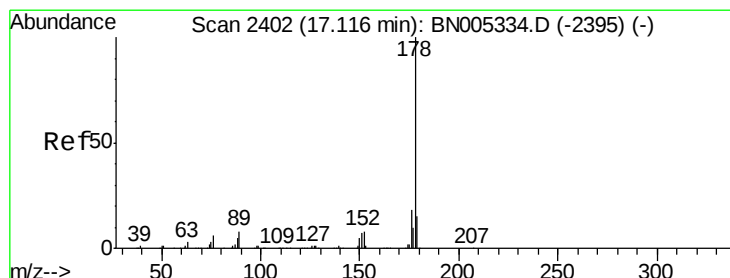
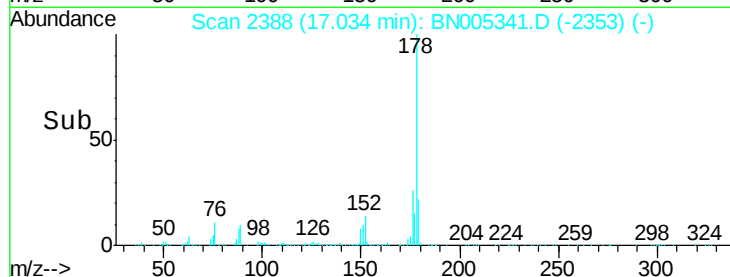
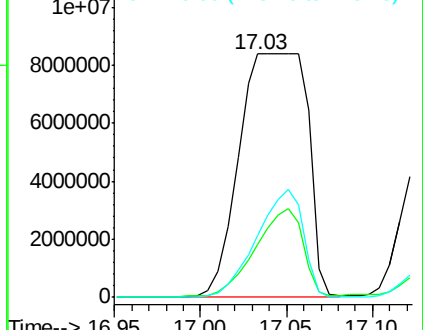
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 50.366 ng/ul

RT: 17.13 min Scan# 2404

Delta R.T. 0.01 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

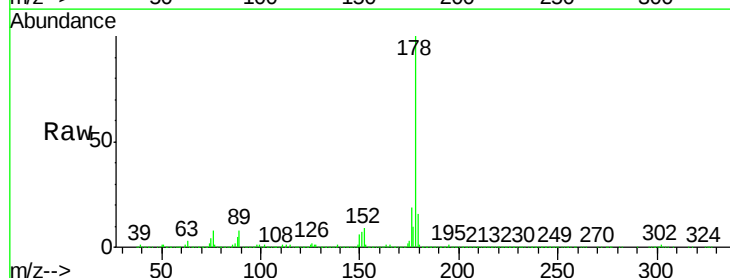
Tgt Ion:178 Resp: 6294533

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

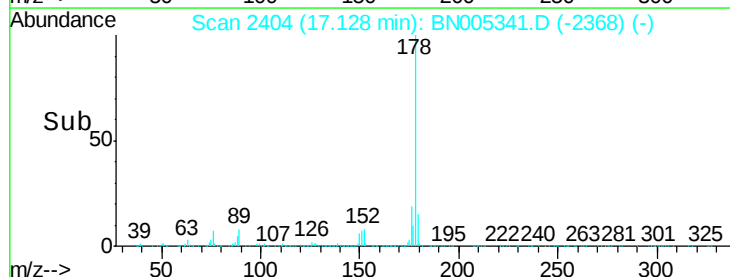
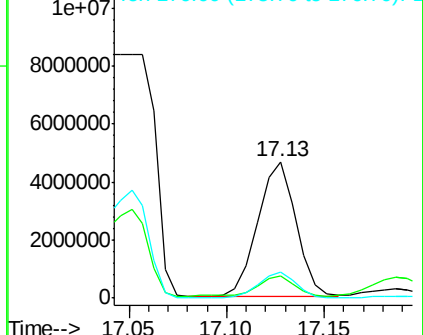
176 18.8 15.1 22.7

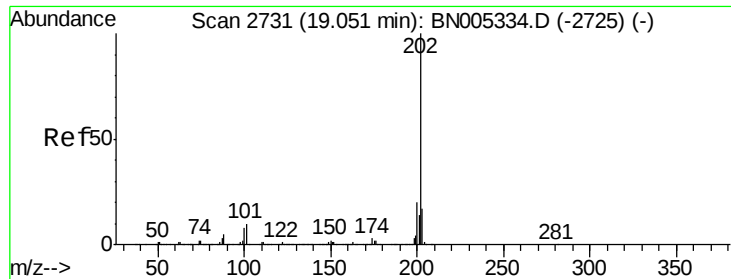


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 130.543 ng/ul m

RT: 19.07 min Scan# 2734

Delta R.T. 0.01 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

Instrument :

BNA_N

ClientSampled :

GAHP8

Tgt Ion:202 Resp:17764095

Ion Ratio Lower Upper

202 100

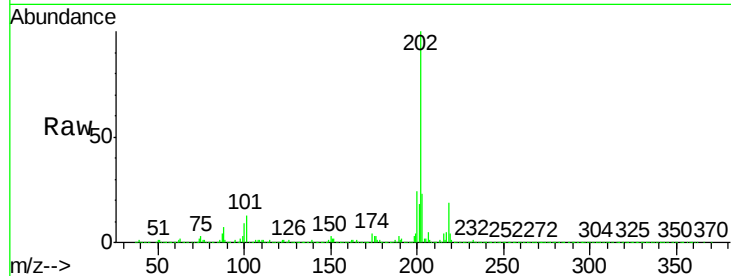
101 12.9 8.6 12.8#

100 9.4 6.3 9.5

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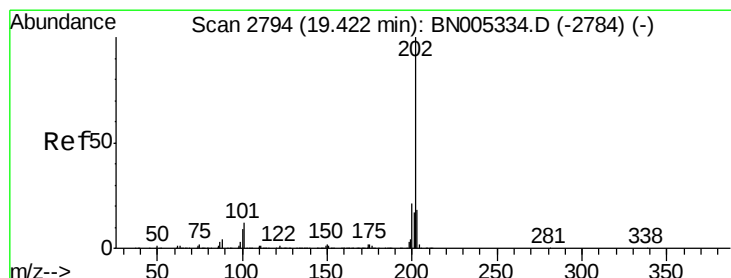
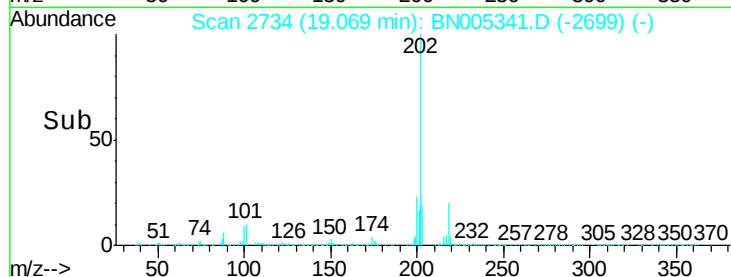
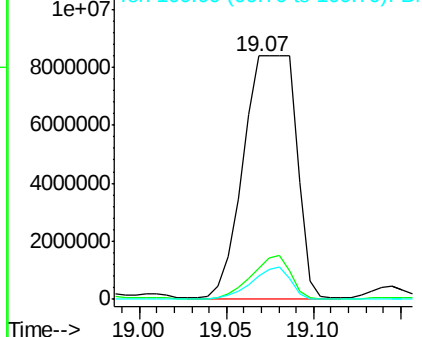
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 207.043 ng/ul m

RT: 19.44 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

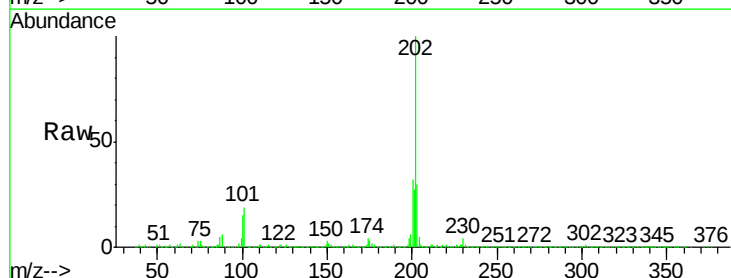
Tgt Ion:202 Resp:23674621

Ion Ratio Lower Upper

202 100

101 18.6 10.3 15.5#

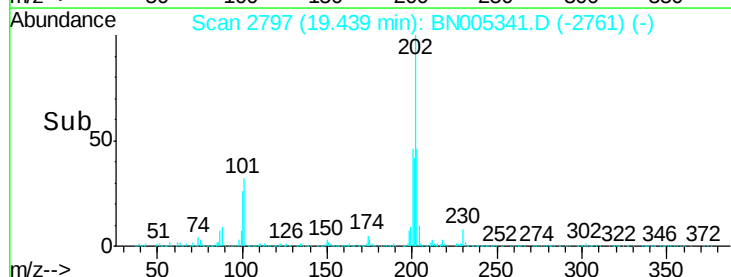
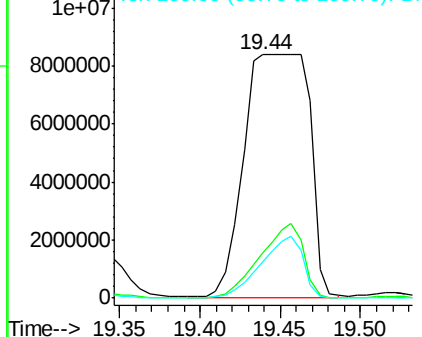
100 15.1 7.9 11.9#

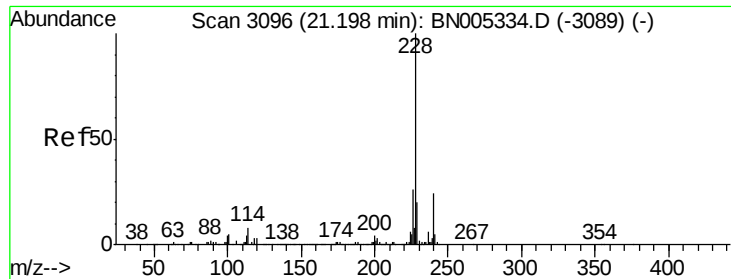


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





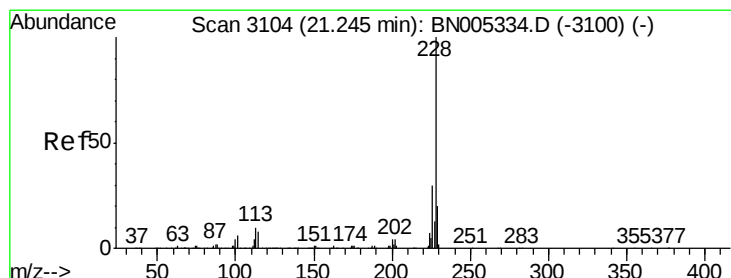
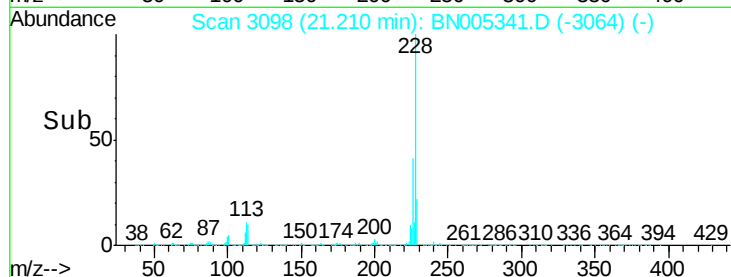
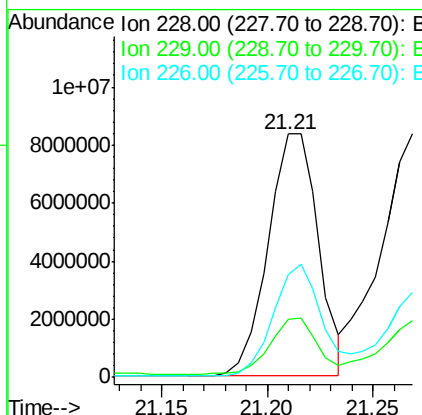
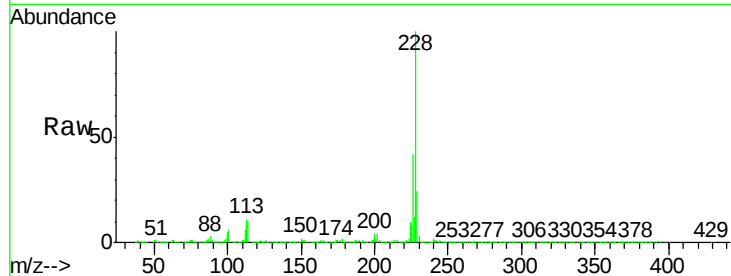
#82
Benzo(a)anthracene
Concen: 124.871 ng/ul
RT: 21.21 min Scan# 3098
Delta R.T. 0.00 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Instrument :
BNA_N
ClientSampleId :
GAHP8

Tgt Ion:228 Resp:13795908
Ion Ratio Lower Upper
228 100
229 23.8 15.8 23.6#
226 42.1 21.4 32.2#

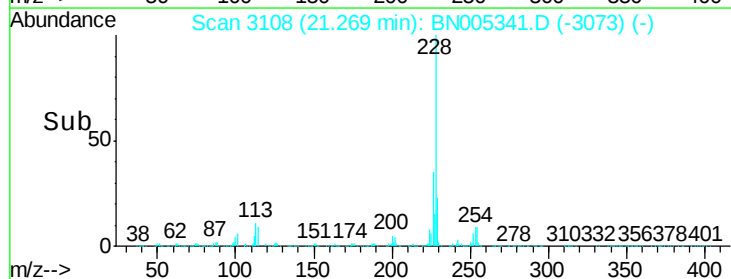
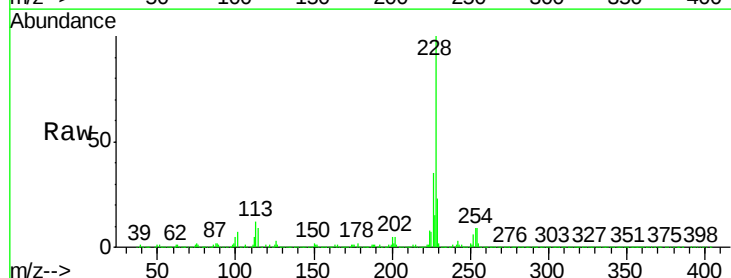
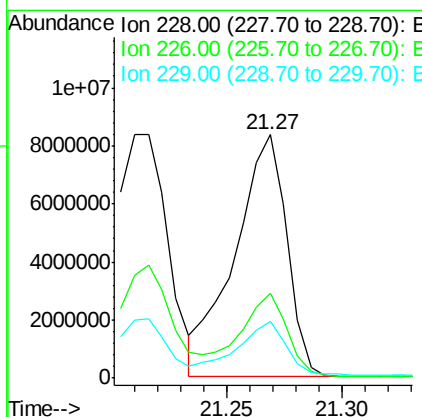
Manual Integrations
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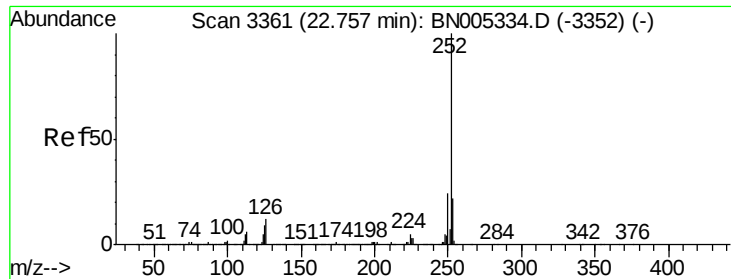
Sohil
4/29/2019 1:44:12 PM



#84
Chrysene
Concen: 127.633 ng/ul
RT: 21.27 min Scan# 3108
Delta R.T. 0.01 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Tgt Ion:228 Resp:13087053
Ion Ratio Lower Upper
228 100
226 34.8 24.0 36.0
229 23.2 15.4 23.0#





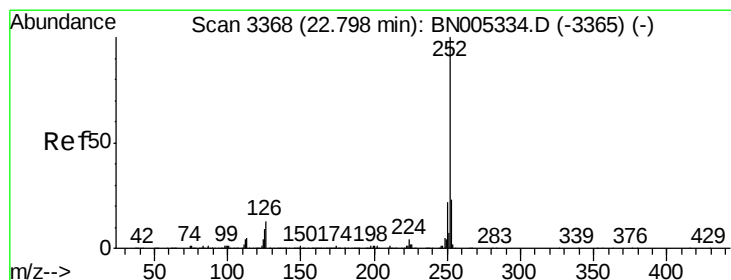
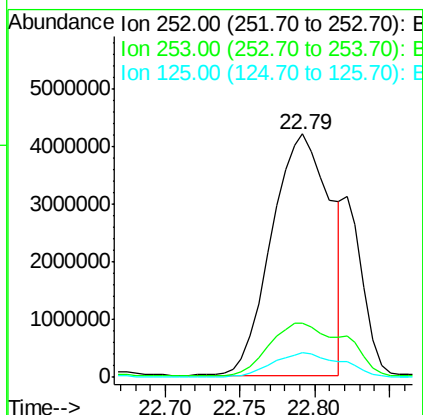
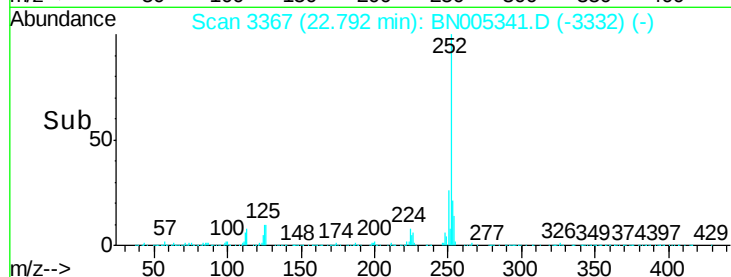
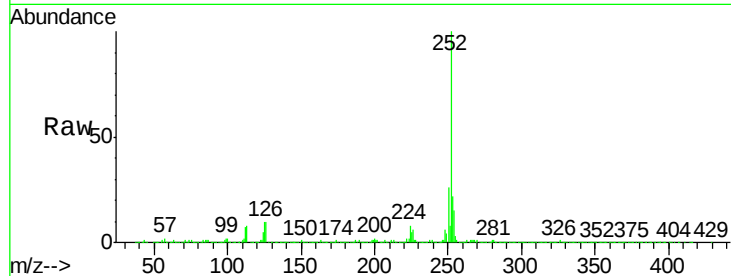
#87
Benzo(b)fluoranthene
Concen: 105.736 ng/u1
RT: 22.79 min Scan# 3367
Delta R.T. 0.01 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Instrument :
BNA_N
ClientSampled :
GAHP8

Tgt Ion:252 Resp:11463877
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 9.9 8.4 12.6

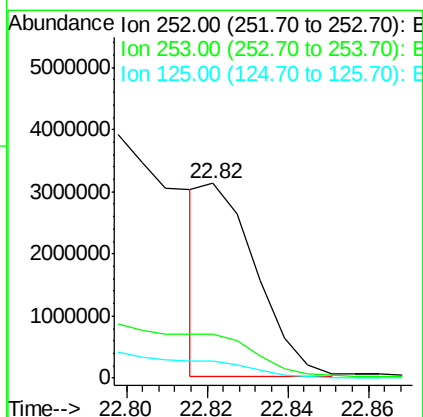
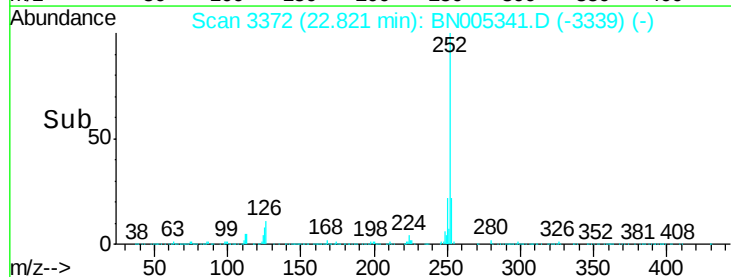
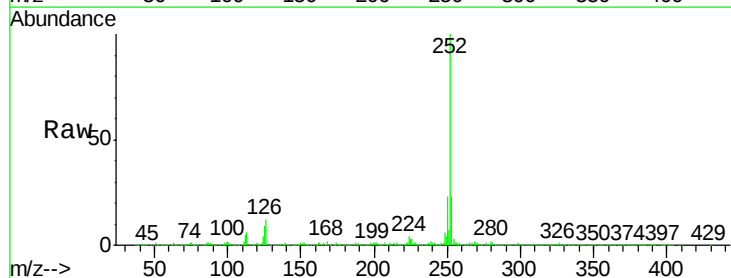
Manual Integrations
APPROVED

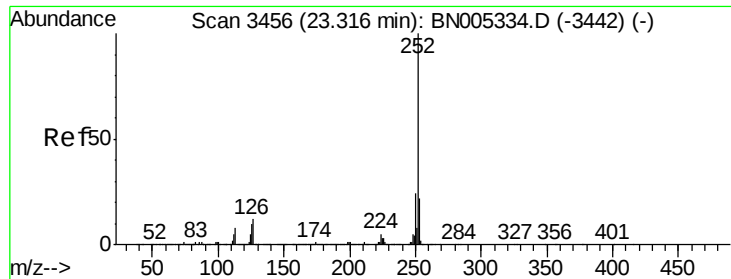
Sohil
4/29/2019 1:44:12 PM



#88
Benzo(k)fluoranthene
Concen: 27.780 ng/u1 m
RT: 22.82 min Scan# 3372
Delta R.T. -0.01 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Tgt Ion:252 Resp: 2876520
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 8.7 7.5 11.3





#90

Benzo(a)pyrene

Concen: 66.436 ng/ul m

RT: 23.34 min Scan# 3460

Delta R.T. -0.01 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

Instrument :

BNA_N

ClientSampleId :

GAHP8

Tgt Ion:252 Resp: 6770514

Ion Ratio Lower Upper

252 100

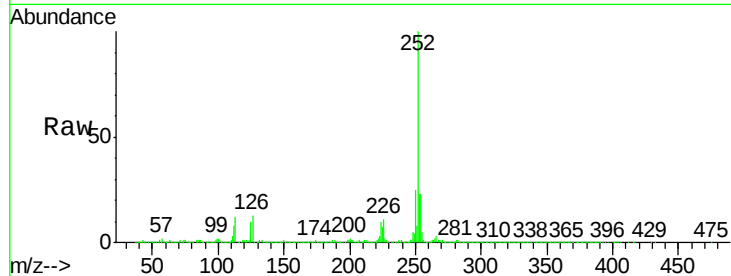
253 23.2 17.3 25.9

125 9.9 8.6 13.0

Manual Integrations
APPROVED

Sohil

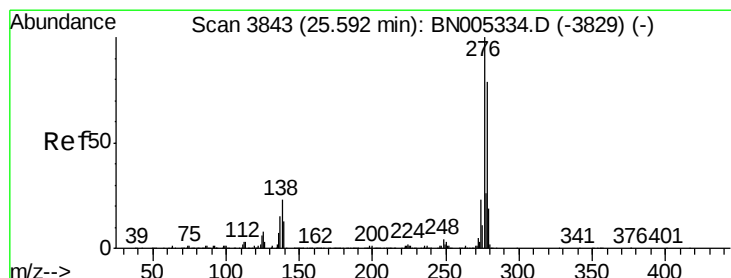
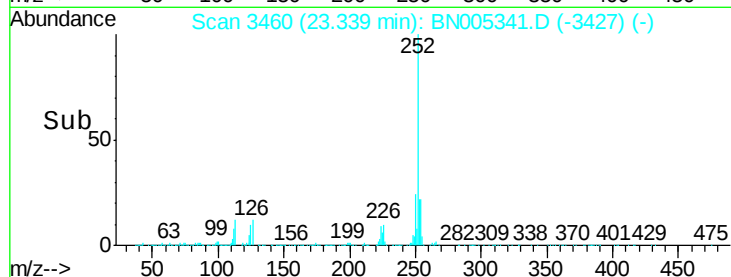
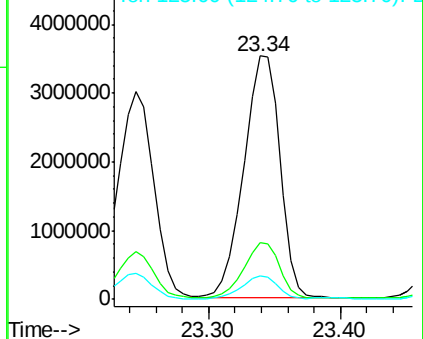
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Abundance Ion 252.00 (251.70 to 252.70): E

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: 42.131 ng/ul m

RT: 25.63 min Scan# 3849

Delta R.T. 0.00 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

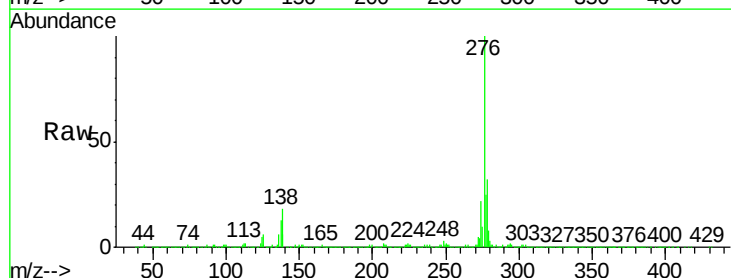
Tgt Ion:276 Resp: 4746958

Ion Ratio Lower Upper

276 100

138 18.4 17.9 26.9

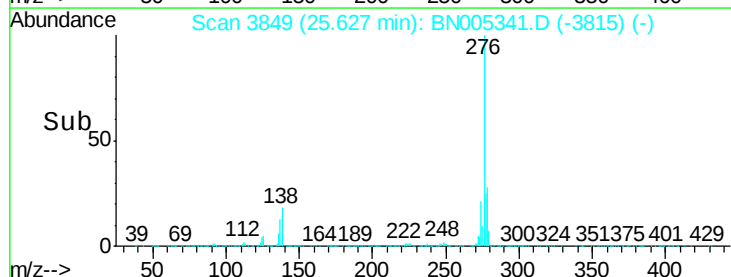
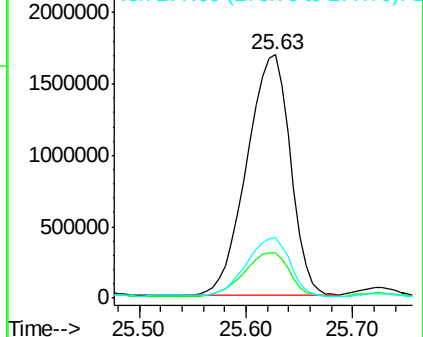
277 25.1 19.7 29.5

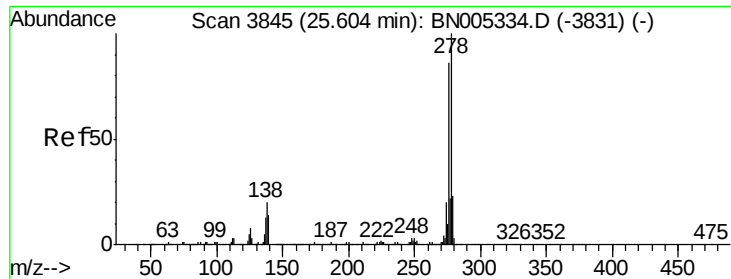


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





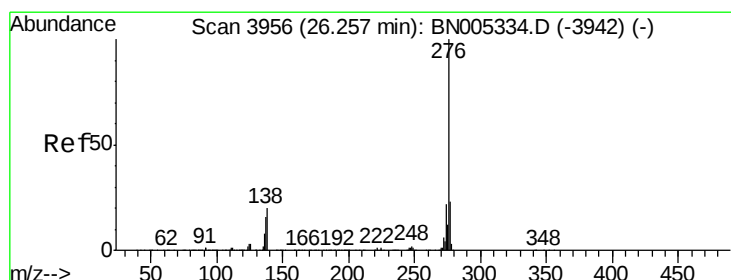
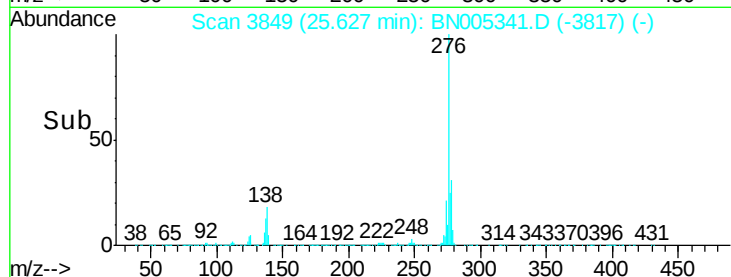
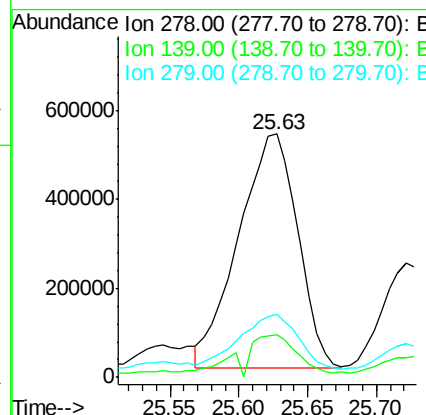
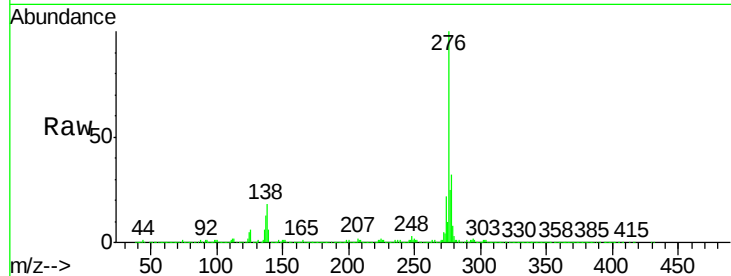
#92
Dibenzo(a,h)anthracene
Concen: 16.434 ng/ul m
RT: 25.63 min Scan# 3849
Delta R.T. -0.01 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Instrument :
BNA_N
ClientSampleId :
GAHP8

Tgt Ion:278 Resp: 1571457
Ion Ratio Lower Upper
278 100
139 17.3 13.1 19.7
279 26.2 19.4 29.0

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#93
Benzo(g,h,i)perylene
Concen: 43.195 ng/ul m
RT: 26.29 min Scan# 3962
Delta R.T. 0.00 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Tgt Ion:276 Resp: 4024278
Ion Ratio Lower Upper
276 100
138 18.8 16.7 25.1
277 24.1 18.2 27.2

