

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042419\
 Data File : BN005275.D
 Acq On : 25 Apr 2019 06:17
 Operator : JU/SJ
 Sample : K2455-17 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHR7

Manual Integrations
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 4/25/2019 5:35:24 PM

Quant Time: Apr 25 07:29:11 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	7.60	152	485434	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	2051798	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.23	164	1429492	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	3017128	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2310185	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2268869	20.00	ng/ul	-0.02

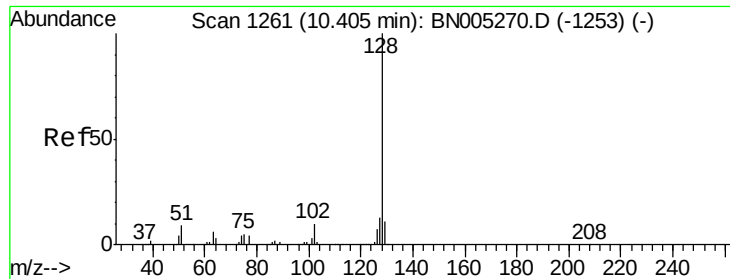
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	8067	0.80	ng/uL	0.00
5) Phenol-d5	6.78	99	187690	4.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	125107	5.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	155037	5.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	127328	4.27	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	110071	8.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	85382	6.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	160468	5.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.54	131	163718	5.41	ng/ul	0.04
43) Dimethylphthalate-d6	13.66	166	554539	5.34	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	666697	5.23	ng/ul	0.01
51) 4-Nitrophenol-d4	14.44	143	91331	5.57	ng/ul	0.00
57) Fluorene-d10	15.24	176	470382	5.40	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.38	200	16108m	1.19	ng/ul	0.02
70) Anthracene-d10	17.09	188	719529	5.69	ng/ul	0.00
78) Pyrene-d10	19.40	212	766633	6.49	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	562363	5.67	ng/ul	-0.02

Target Compounds

					Ovalue	
28) Naphthalene	10.42	128	37511720m	393.268	ng/ul	
34) 2-Methylnaphthalene	12.05	142	38080936m	545.246	ng/ul	
40) 1,1'-Biphenyl	13.06	154	5922311	55.603	ng/ul	99
44) Dimethylphthalate	13.70	163	106726	1.032	ng/ul#	94
47) Acenaphthylene	13.97	152	15190922	121.283	ng/ul#	89
49) Acenaphthene	14.30	153	2281506	26.682	ng/ul	99
53) Dibenzofuran	14.64	168	2873340	23.339	ng/ul	89
58) Fluorene	15.30	166	11209019	116.680	ng/ul#	98
69) Phenanthrene	17.03	178	25120052m	170.956	ng/ul	
71) Anthracene	17.13	178	9211620	61.540	ng/ul	99
76) Fluoranthene	19.07	202	10913339	66.960	ng/ul	99
79) Pyrene	19.43	202	15234726	102.421	ng/ul	97
82) Benzo(a)anthracene	21.20	228	6107958m	42.500	ng/ul	
84) Chrysene	21.26	228	5086265	38.133	ng/ul	98
87) Benzo(b)fluoranthene	22.78	252	2924661	22.931	ng/ul	100
88) Benzo(k)fluoranthene	22.80	252	769926m	6.321	ng/ul	
90) Benzo(a)pyrene	23.33	252	3070294	25.611	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.60	276	1090646	8.229	ng/ul	98
92) Dibenzo(a,h)anthracene	25.60	278	405334	3.604	ng/ul	93
93) Benzo(g,h,i)perylene	26.26	276	788341	7.193	ng/ul	97

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



#28

Naphthalene

Concen: 393.268 ng/ul m

RT: 10.42 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BN005275.D

Acq: 25 Apr 2019 06:17

Instrument :

BNA_N

ClientSampled :

GAHR7

Tot Ion:128 Resp:37511720

Ion Ratio Lower Upper

128 100

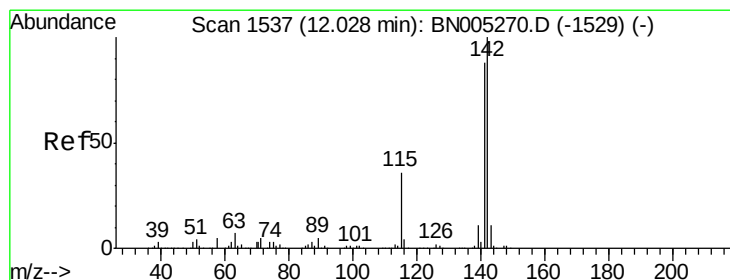
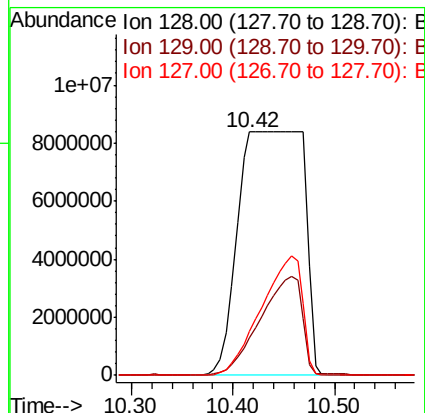
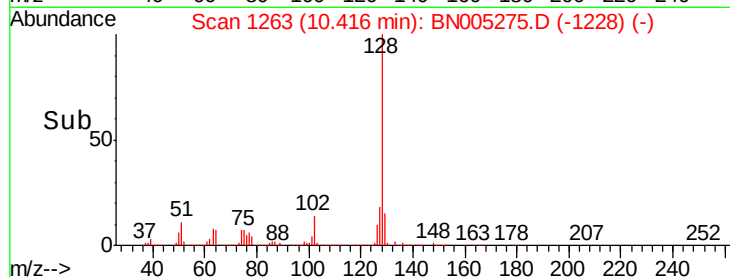
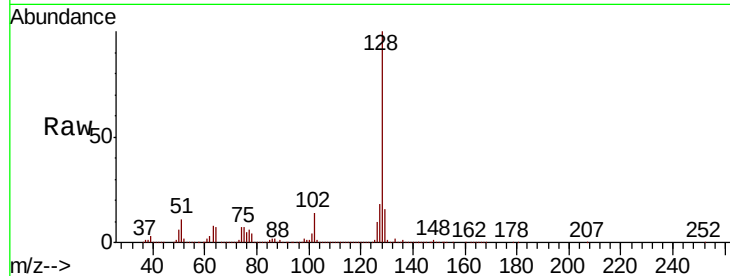
129 15.6 9.2 13.8#

127 18.0 10.7 16.1#

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#34

2-Methylnaphthalene

Concen: 545.246 ng/ul m

RT: 12.05 min Scan# 1540

Delta R.T. 0.02 min

Lab File: BN005275.D

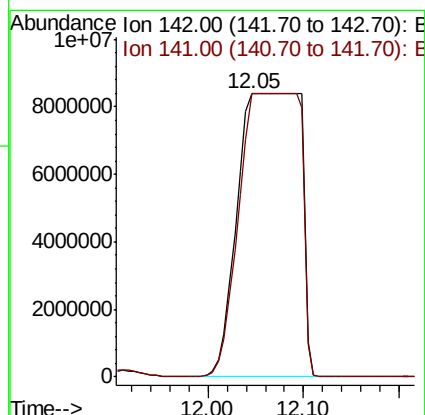
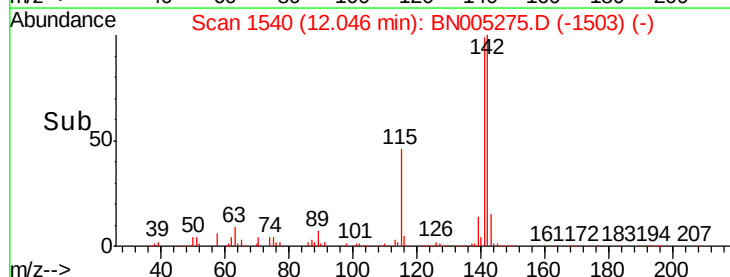
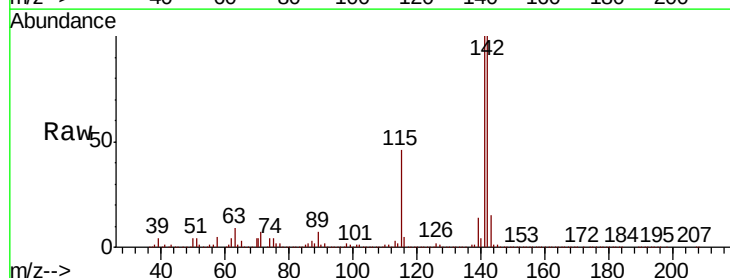
Acq: 25 Apr 2019 06:17

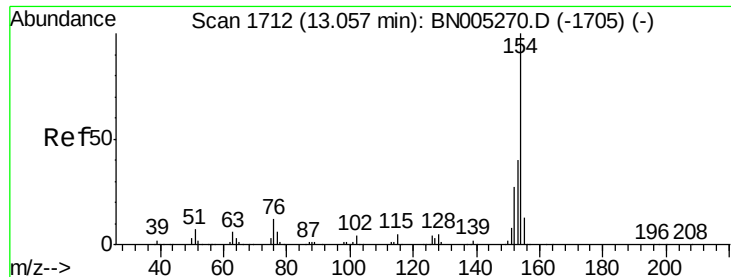
Tgt Ion:142 Resp:38080936

Ion Ratio Lower Upper

142 100

141 100.0 72.0 108.0





#40

1,1'-Biphenyl

Concen: 55.603 ng/ul

RT: 13.06 min Scan# 1713

Delta R.T. 0.01 min

Lab File: BN005275.D

Acq: 25 Apr 2019 06:17

Instrument :

BNA_N

ClientSampled :

GAHR7

Tot Ion:154 Resp: 5922311

Ion Ratio Lower Upper

154 100

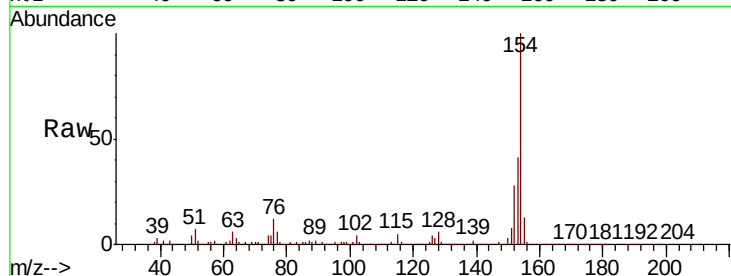
153 41.0 32.6 49.0

76 12.3 10.4 15.6

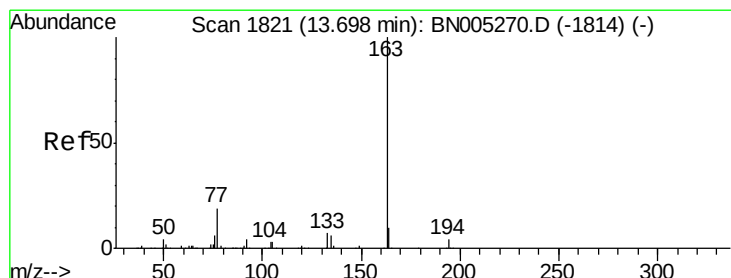
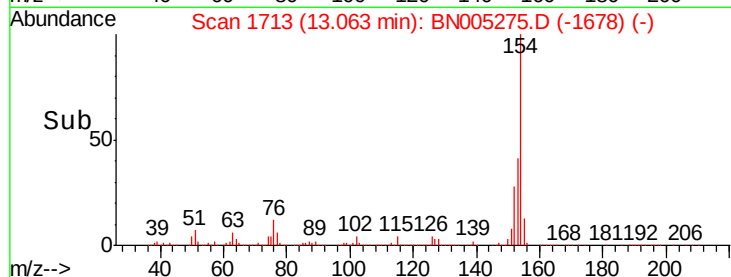
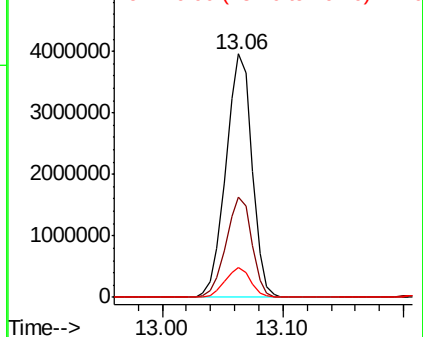
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BNO



#44

Dimethylphthalate

Concen: 1.032 ng/ul

RT: 13.70 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BN005275.D

Acq: 25 Apr 2019 06:17

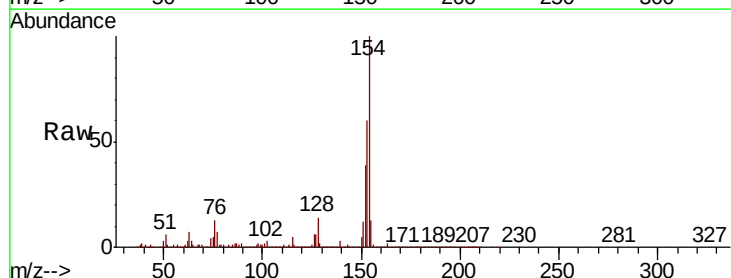
Tgt Ion:163 Resp: 106726

Ion Ratio Lower Upper

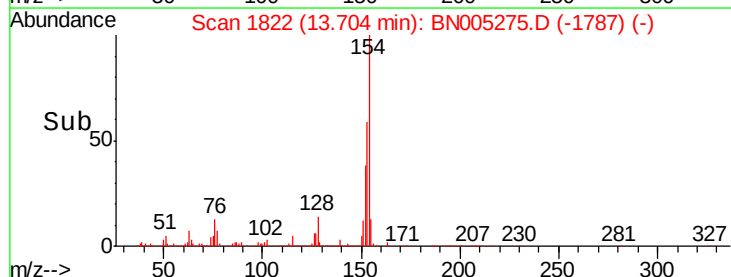
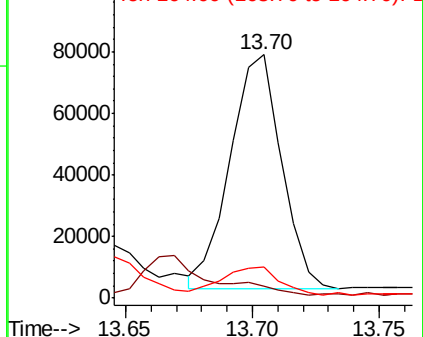
163 100

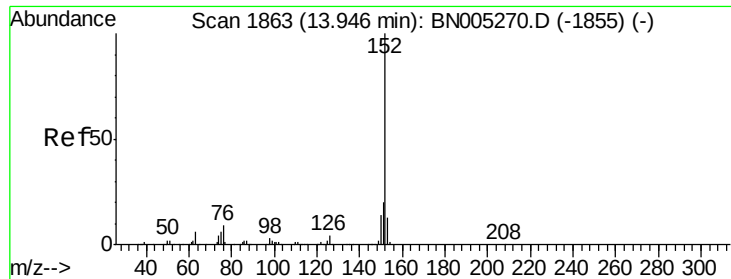
194 4.7 3.4 5.0

164 12.9 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: 121.283 ng/ul

RT: 13.97 min Scan# 1867

Delta R.T. 0.02 min

Lab File: BN005275.D

Acq: 25 Apr 2019 06:17

Instrument :

BNA_N

ClientSampled :

GAHR7

Tot Ion:152 Resp:15190922

Ion Ratio Lower Upper

152 100

151 23.5 15.8 23.8

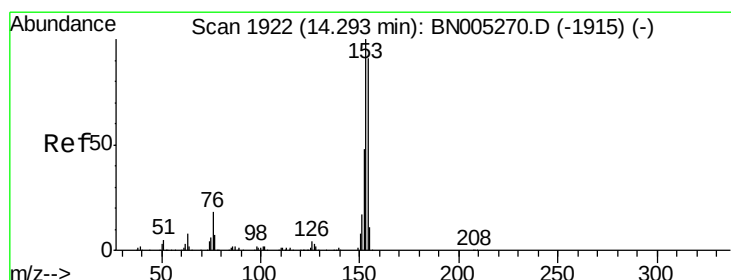
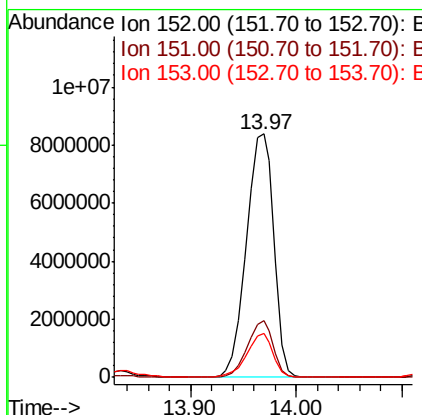
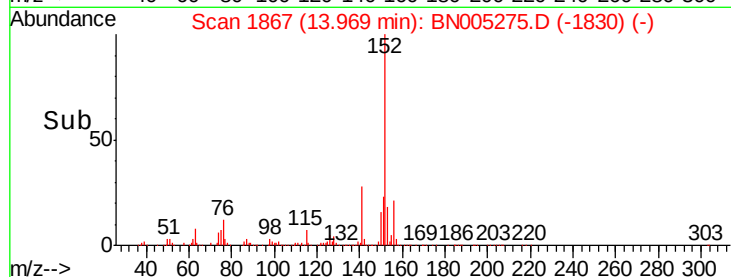
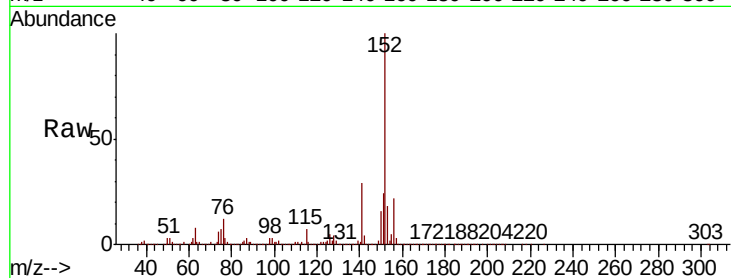
153 18.0 9.8 14.8#

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#49

Acenaphthene

Concen: 26.682 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BN005275.D

Acq: 25 Apr 2019 06:17

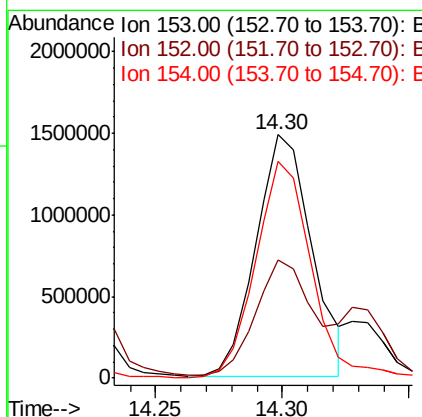
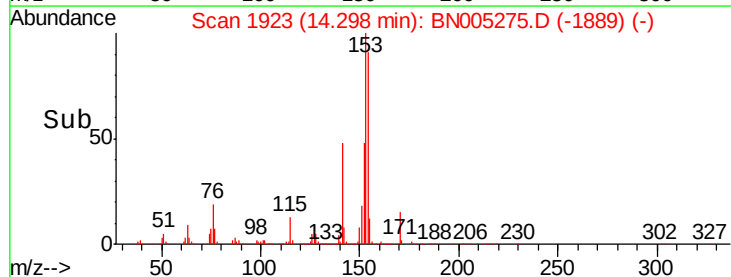
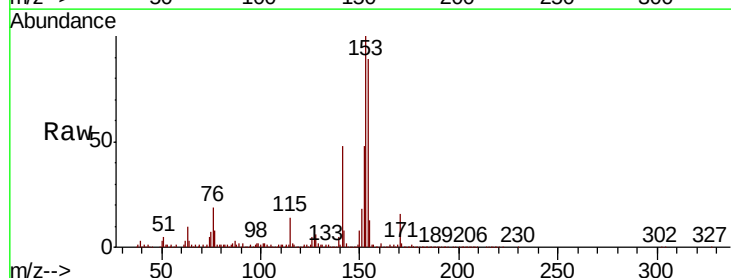
Tgt Ion:153 Resp: 2281506

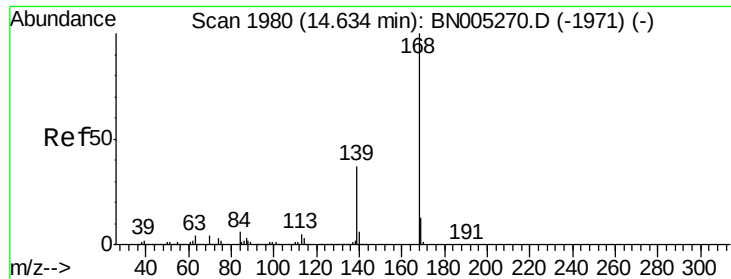
Ion Ratio Lower Upper

153 100

152 48.5 37.4 56.0

154 89.2 71.2 106.8





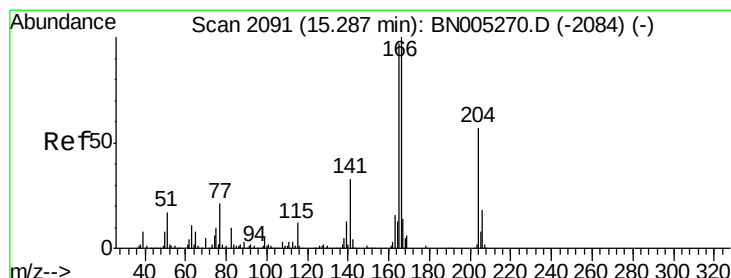
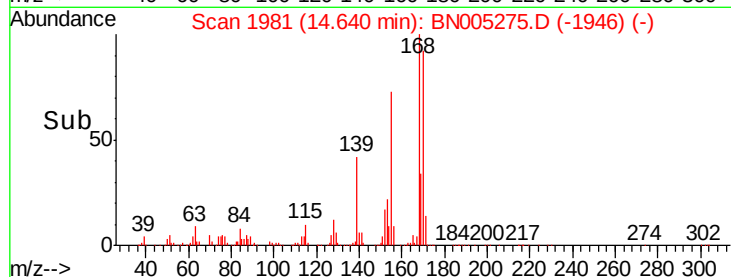
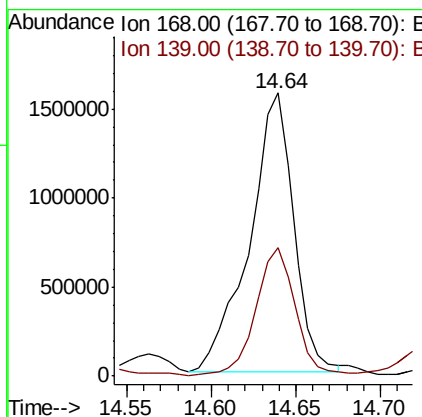
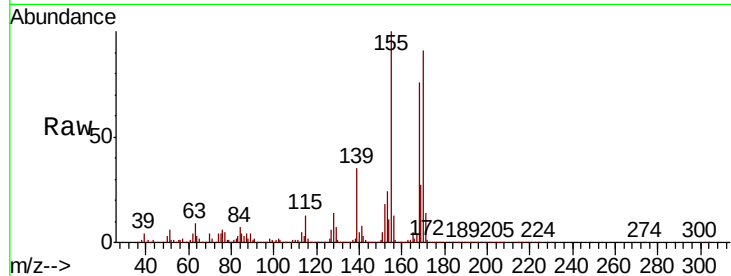
#53
Dibenzofuran
Concen: 23.339 ng/ul
RT: 14.64 min Scan# 1981
Delta R.T. 0.01 min
Lab File: BN005275.D
Acq: 25 Apr 2019 06:17

Instrument :
BNA_N
ClientSampleId :
GAHR7

Tot Ion:168 Resp: 2873340
Ion Ratio Lower Upper
168 100
139 45.3 30.9 46.3

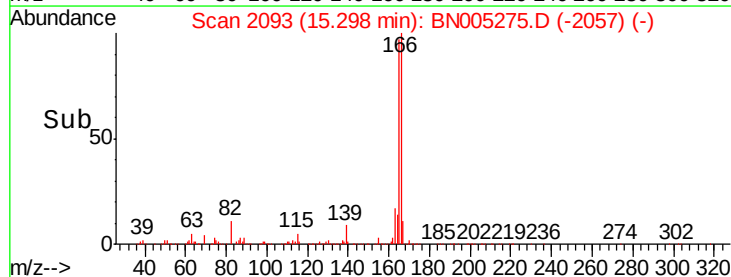
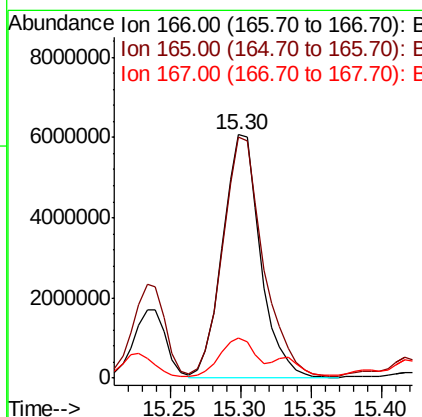
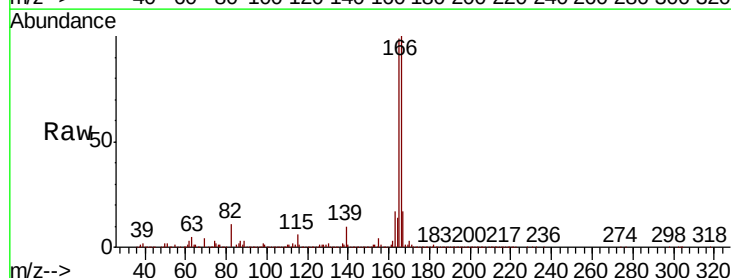
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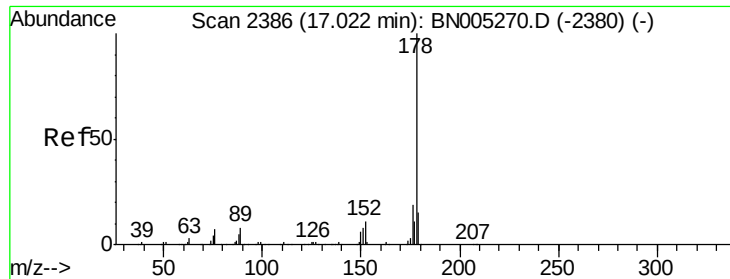
Sohil
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#58
Fluorene
Concen: 116.680 ng/ul
RT: 15.30 min Scan# 2093
Delta R.T. 0.01 min
Lab File: BN005275.D
Acq: 25 Apr 2019 06:17

Tgt Ion:166 Resp:11209019
Ion Ratio Lower Upper
166 100
165 98.8 80.0 120.0
167 16.6 10.7 16.1#





#69

Phenanthrene

Concen: 170.956 ng/ul m

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005275.D

Acq: 25 Apr 2019 06:17

Instrument :

BNA_N

ClientSampled :

GAHR7

Tot Ion:178 Resp:25120052

Ion Ratio Lower Upper

178 100

179 20.2 12.2 18.4#

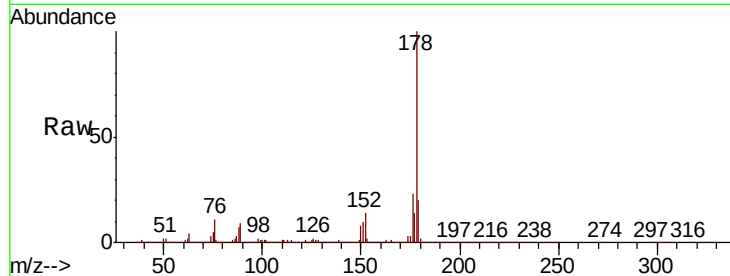
176 23.1 15.1 22.7#

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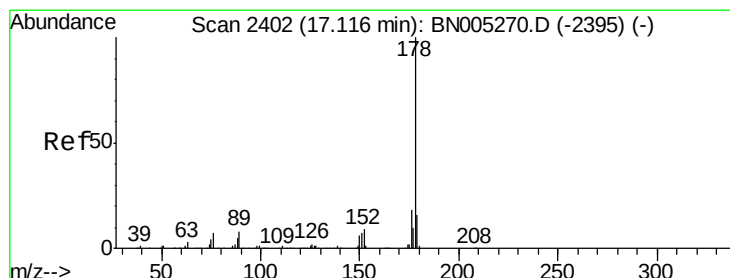
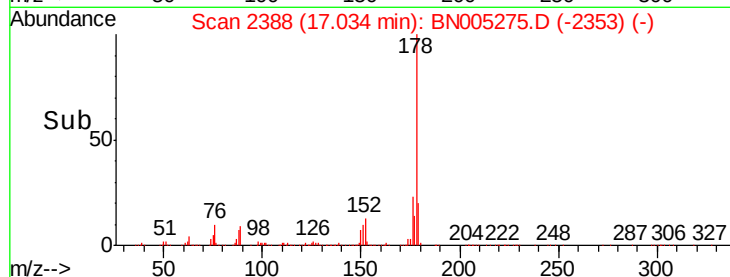
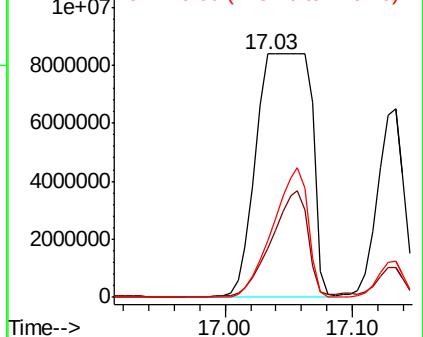
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 61.540 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. 0.02 min

Lab File: BN005275.D

Acq: 25 Apr 2019 06:17

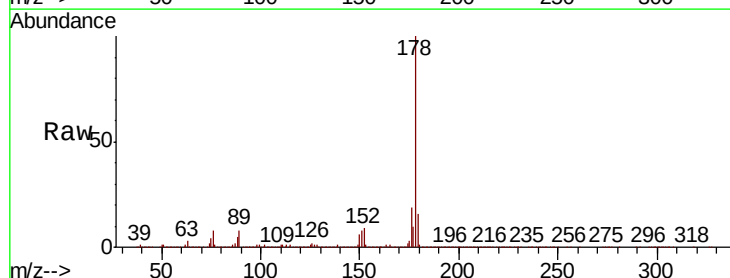
Tgt Ion:178 Resp: 9211620

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

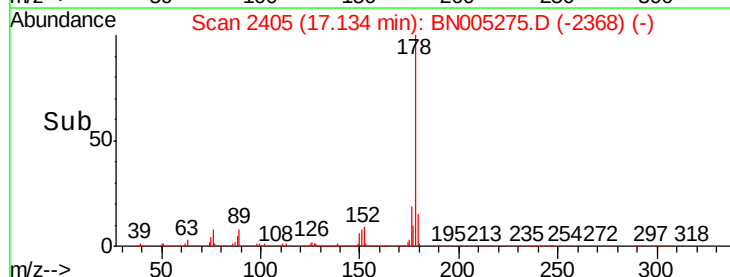
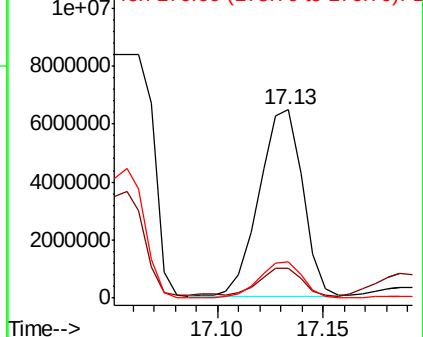
176 19.0 15.1 22.7

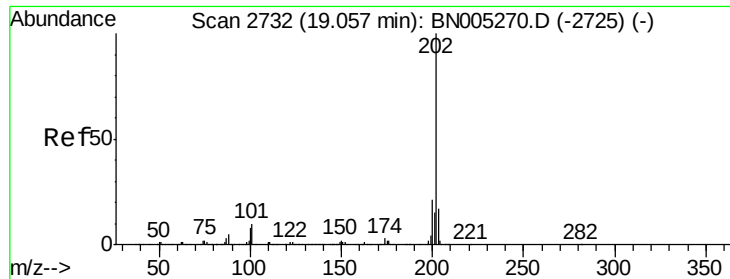


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 66.960 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. 0.01 min

Lab File: BN005275.D

Acq: 25 Apr 2019 06:17

Instrument :

BNA_N

ClientSampled :

GAHR7

Tot Ion:202 Resp:10913339

Ion Ratio Lower Upper

202 100

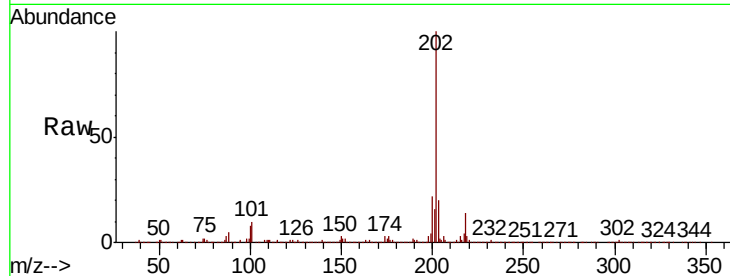
101 10.2 8.6 12.8

100 7.6 6.3 9.5

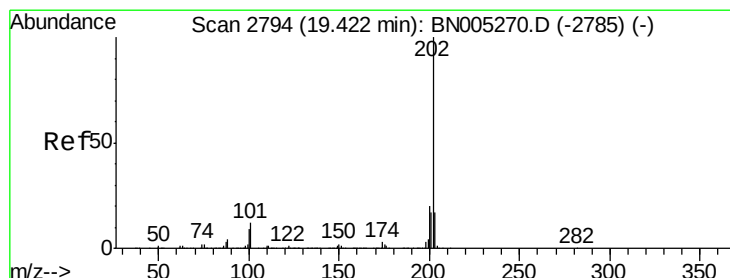
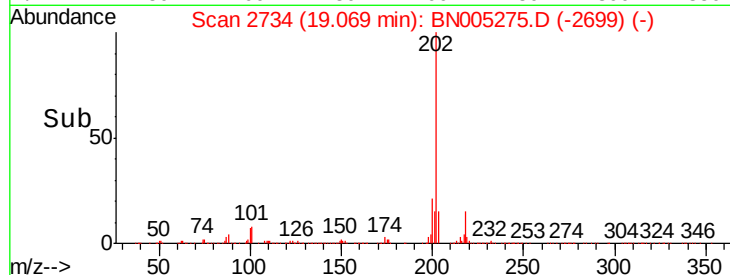
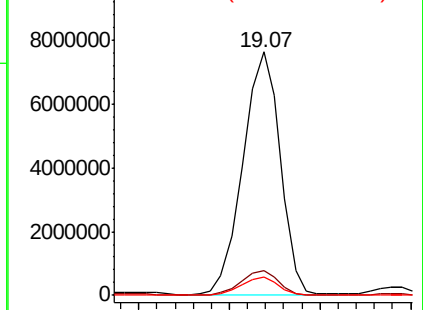
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 102.421 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005275.D

Acq: 25 Apr 2019 06:17

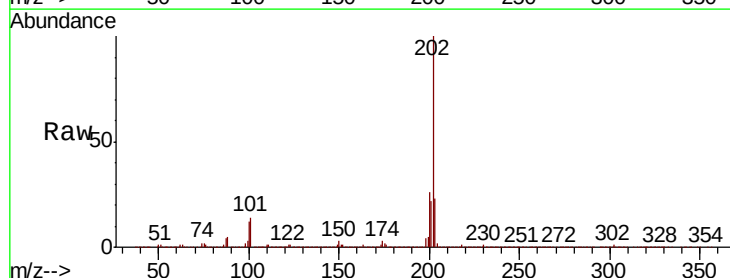
Tgt Ion:202 Resp:15234726

Ion Ratio Lower Upper

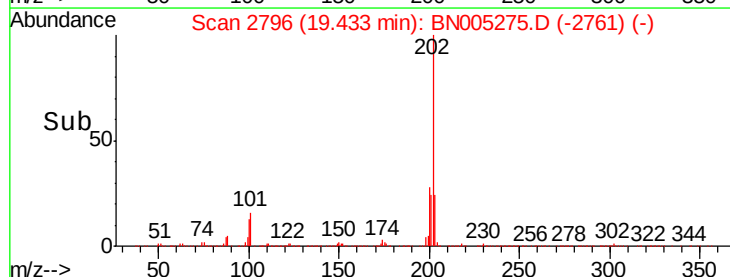
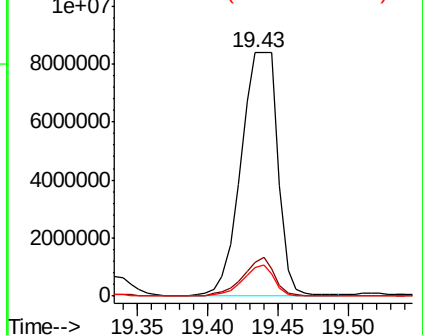
202 100

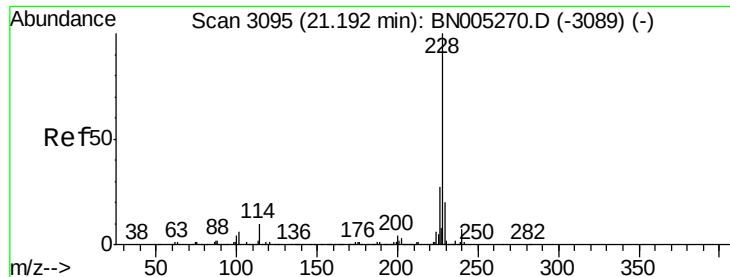
101 13.9 10.3 15.5

100 11.6 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





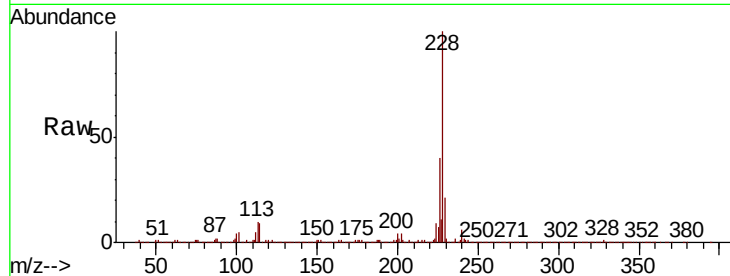
#82
Benzo(a)anthracene
Concen: 42.500 ng/ul m
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BN005275.D
Acq: 25 Apr 2019 06:17

Instrument :
BNA_N
ClientSampled :
GAHR7

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.8	23.6
226	40.0	21.4	32.2

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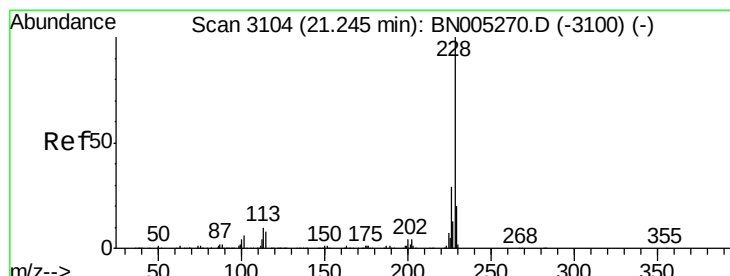
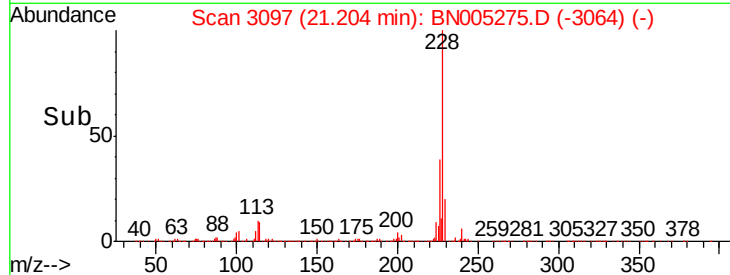
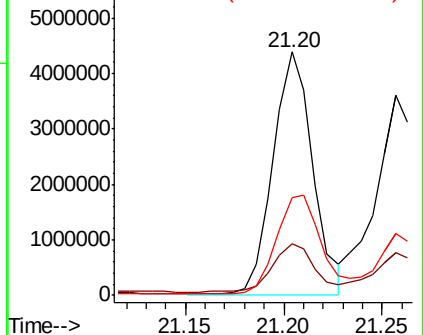


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84
Chrysene
Concen: 38.133 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. -0.01 min
Lab File: BN005275.D
Acq: 25 Apr 2019 06:17

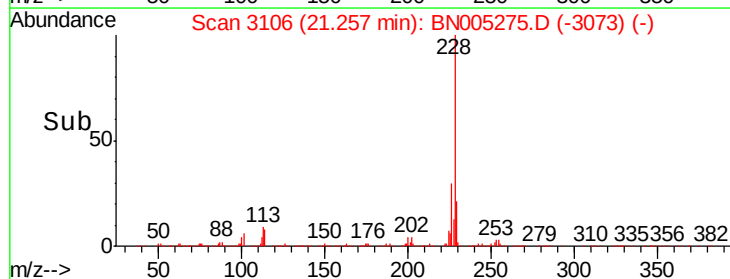
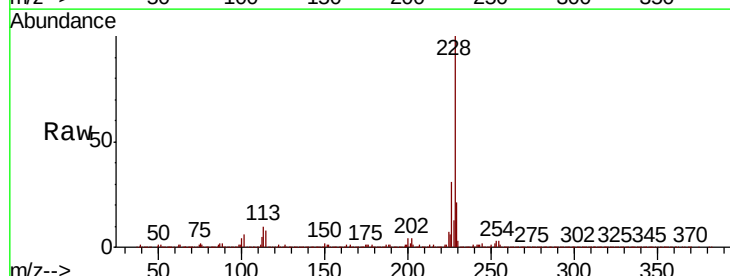
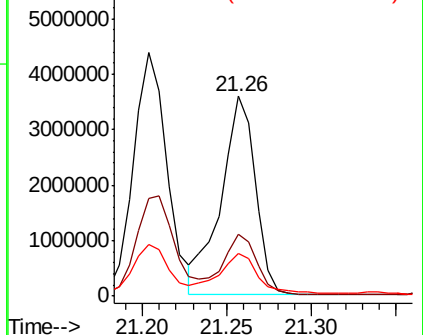
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	21.2	15.4	23.0

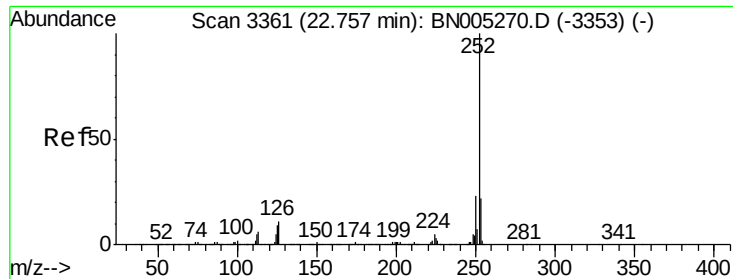
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





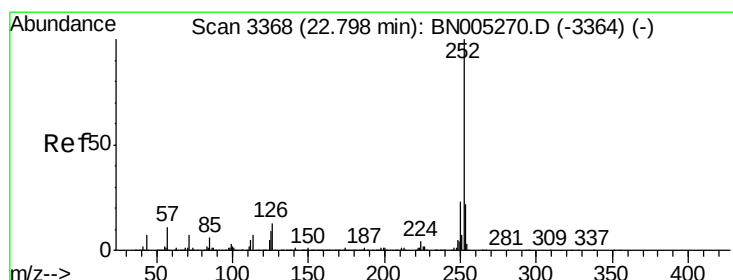
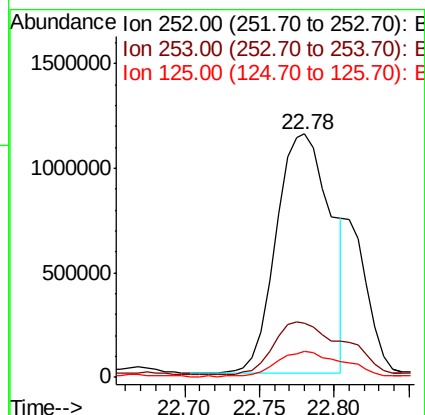
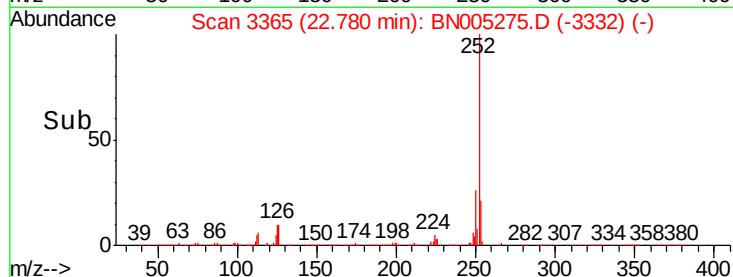
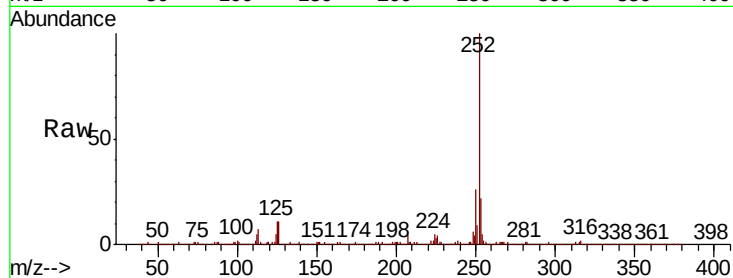
#87
Benzo(b)fluoranthene
Concen: 22.931 ng/ul
RT: 22.78 min Scan# 3365
Delta R.T. -0.01 min
Lab File: BN005275.D
Acq: 25 Apr 2019 06:17

Instrument :
BNA_N
ClientSampleId :
GAHR7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.6	8.4	12.6

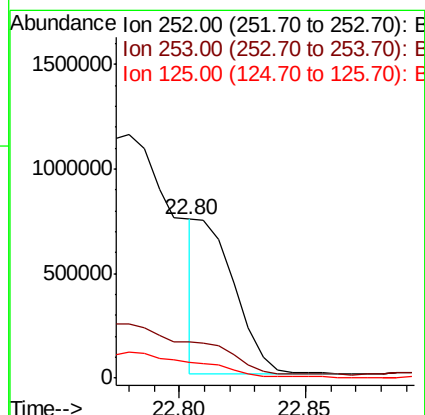
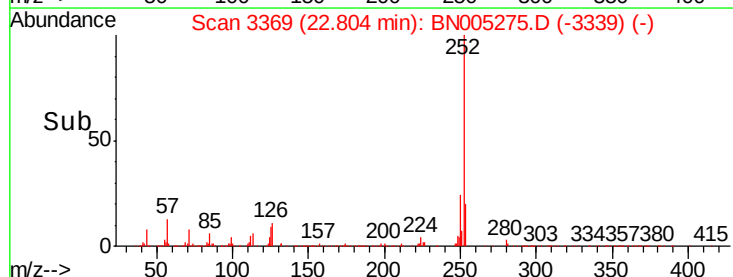
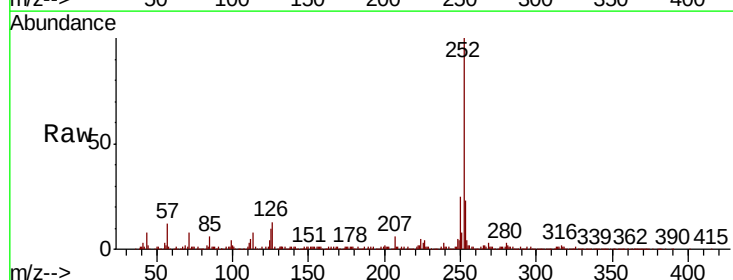
Manual Integrations
APPROVED

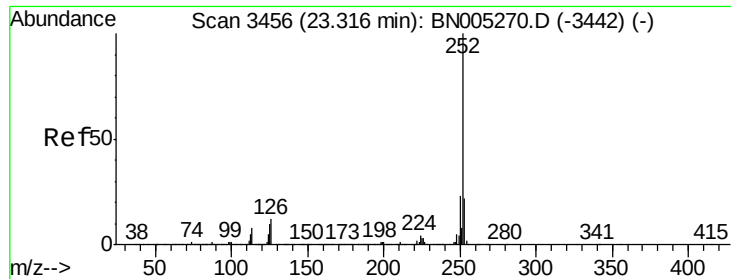
Sohil
4/25/2019 5:35:24 PM



#88
Benzo(k)fluoranthene
Concen: 6.321 ng/ul m
RT: 22.80 min Scan# 3369
Delta R.T. -0.02 min
Lab File: BN005275.D
Acq: 25 Apr 2019 06:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	9.9	7.5	11.3





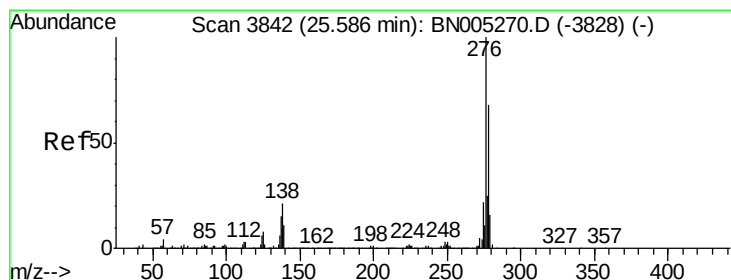
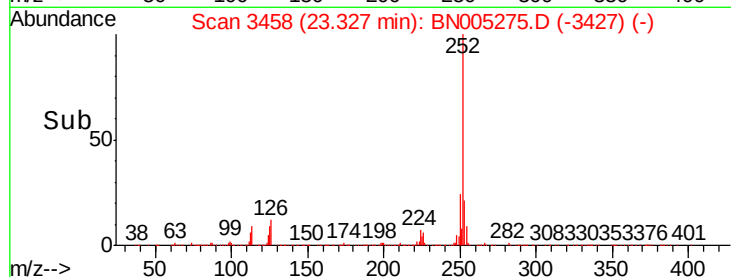
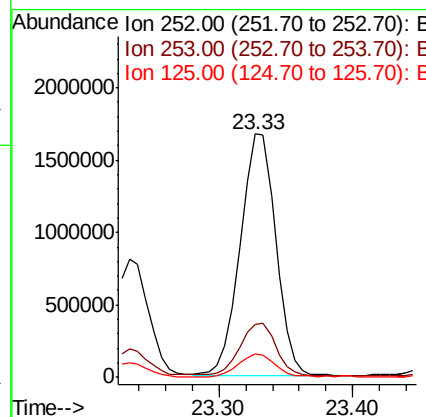
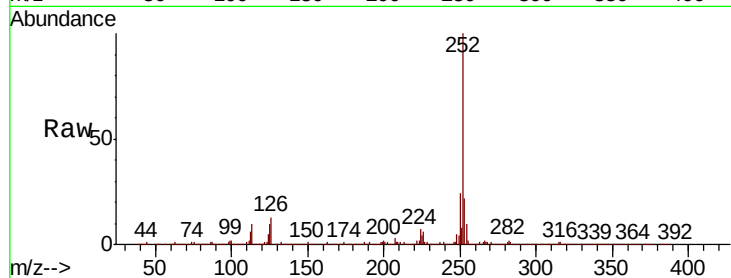
#90
Benzo(a)pyrene
Concen: 25.611 ng/ul
RT: 23.33 min Scan# 3458
Delta R.T. -0.02 min
Lab File: BN005275.D
Acq: 25 Apr 2019 06:17

Instrument :
BNA_N
ClientSampled :
GAHR7

Tot Ion:252 Resp: 3070294
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 9.8 8.6 13.0

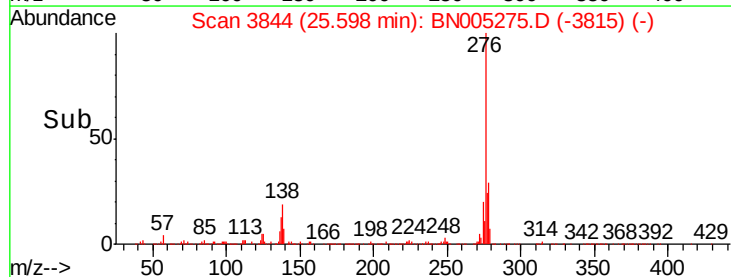
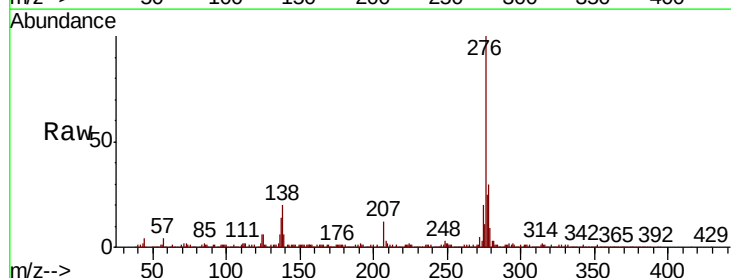
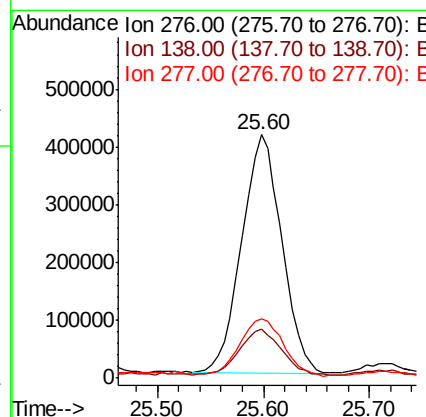
Manual Integrations
APPROVED

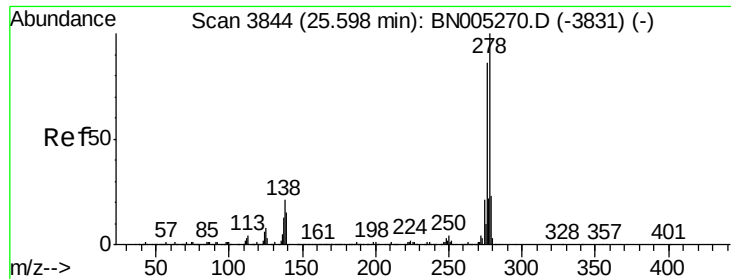
Sohil
4/25/2019 5:35:24 PM



#91
Indeno(1,2,3-cd)pyrene
Concen: 8.229 ng/ul
RT: 25.60 min Scan# 3844
Delta R.T. -0.03 min
Lab File: BN005275.D
Acq: 25 Apr 2019 06:17

Tgt Ion:276 Resp: 1090646
Ion Ratio Lower Upper
276 100
138 20.1 17.9 26.9
277 24.6 19.7 29.5





#92

Dibenzo(a,h)anthracene

Concen: 3.604 ng/ul

RT: 25.60 min Scan# 3845

Delta R.T. -0.03 min

Lab File: BN005275.D

Acq: 25 Apr 2019 06:17

Instrument :

BNA_N

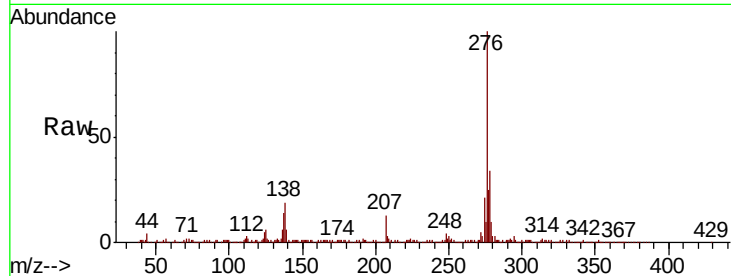
ClientSampleId :

GAHR7

Tot Ion:	278	Resp:	405334
Ion Ratio	Lower	Upper	
278	100		
139	18.8	13.1	19.7
279	28.2	19.4	29.0

Manual Integrations
APPROVED

Sohil
4/25/2019 5:35:24 PM

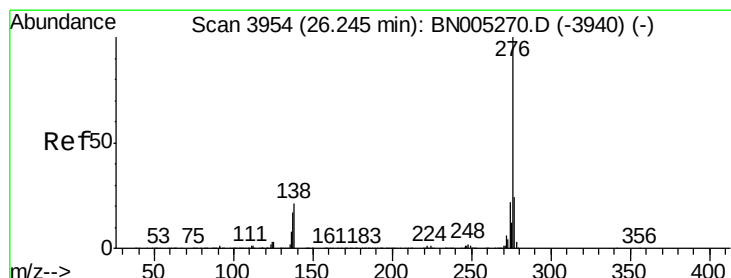
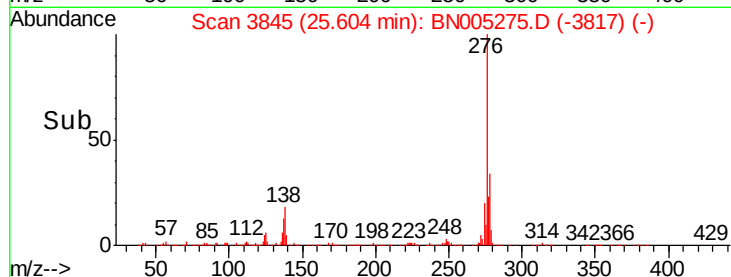
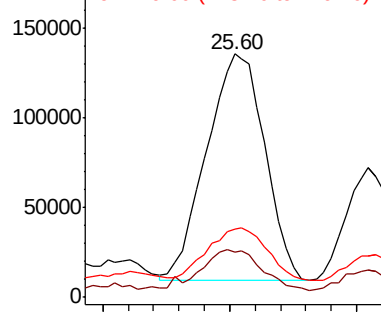


Abundance

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: 7.193 ng/ul

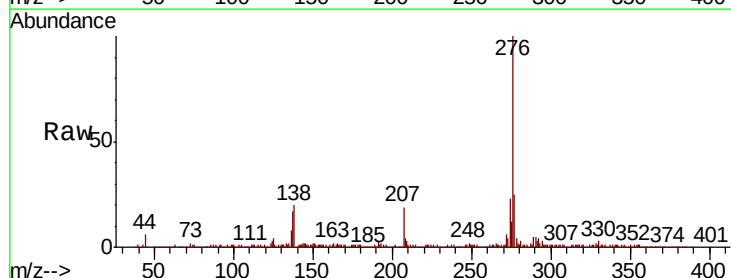
RT: 26.26 min Scan# 3957

Delta R.T. -0.03 min

Lab File: BN005275.D

Acq: 25 Apr 2019 06:17

Tgt Ion:	276	Resp:	788341
Ion Ratio	Lower	Upper	
276	100		
138	19.9	16.7	25.1
277	24.6	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

