

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
 Data File : BN005432.D
 Acq On : 03 May 2019 01:21
 Operator : JU/SJ
 Sample : K2603-20 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ72

Manual Integrations
 APPROVED

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 5/3/2019 4:56:40 PM

Quant Time: May 03 05:14:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	332993	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1544262	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	986041	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2272054	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1920792	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	1802710	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	3087	0.45	ng/uL	0.00
5) Phenol-d5	6.78	99	88871	3.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	58508	3.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	74797	3.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	79237	3.88	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	44706	4.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	46962	4.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	87093	3.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	85027	3.73	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	326078	4.56	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	395307	4.50	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	30948	2.74	ng/ul	0.01
57) Fluorene-d10	15.22	176	286282	4.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	28782	2.82	ng/ul	0.00
70) Anthracene-d10	17.08	188	431337	4.53	ng/ul	0.00
78) Pyrene-d10	19.39	212	477349	4.86	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	345575	4.39	ng/ul	-0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.40	128	1221564	17.016	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	1078109	20.510	ng/ul	96
40) 1,1'-Biphenyl	13.05	154	83929	1.142	ng/ul	95
44) Dimethylphthalate	13.69	163	104691	1.468	ng/ul	99
47) Acenaphthylene	13.95	152	3295430	38.143	ng/ul	98
49) Acenaphthene	14.29	153	324493	5.502	ng/ul	98
53) Dibenzofuran	14.63	168	262018	3.085	ng/ul	99
58) Fluorene	15.28	166	2399733	36.214	ng/ul	98
69) Phenanthrene	17.03	178	10234137	92.489	ng/ul	97
71) Anthracene	17.12	178	2235175	19.829	ng/ul	98
76) Fluoranthene	19.06	202	5849077	47.656	ng/ul	97
79) Pyrene	19.43	202	7992457	64.625	ng/ul	95
82) Benzo(a)anthracene	21.19	228	2656154m	22.229	ng/ul	
84) Chrysene	21.25	228	2323101	20.948	ng/ul	99
87) Benzo(b)fluoranthene	22.76	252	1510350	14.904	ng/ul	99
88) Benzo(k)fluoranthene	22.80	252	530925m	5.486	ng/ul	
90) Benzo(a)pyrene	23.32	252	1460493m	15.333	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.59	276	591615	5.618	ng/ul#	93
92) Dibenzo(a,h)anthracene	25.59	278	174527	1.953	ng/ul#	83
93) Benzo(g,h,i)perylene	26.25	276	565797	6.498	ng/ul	94

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

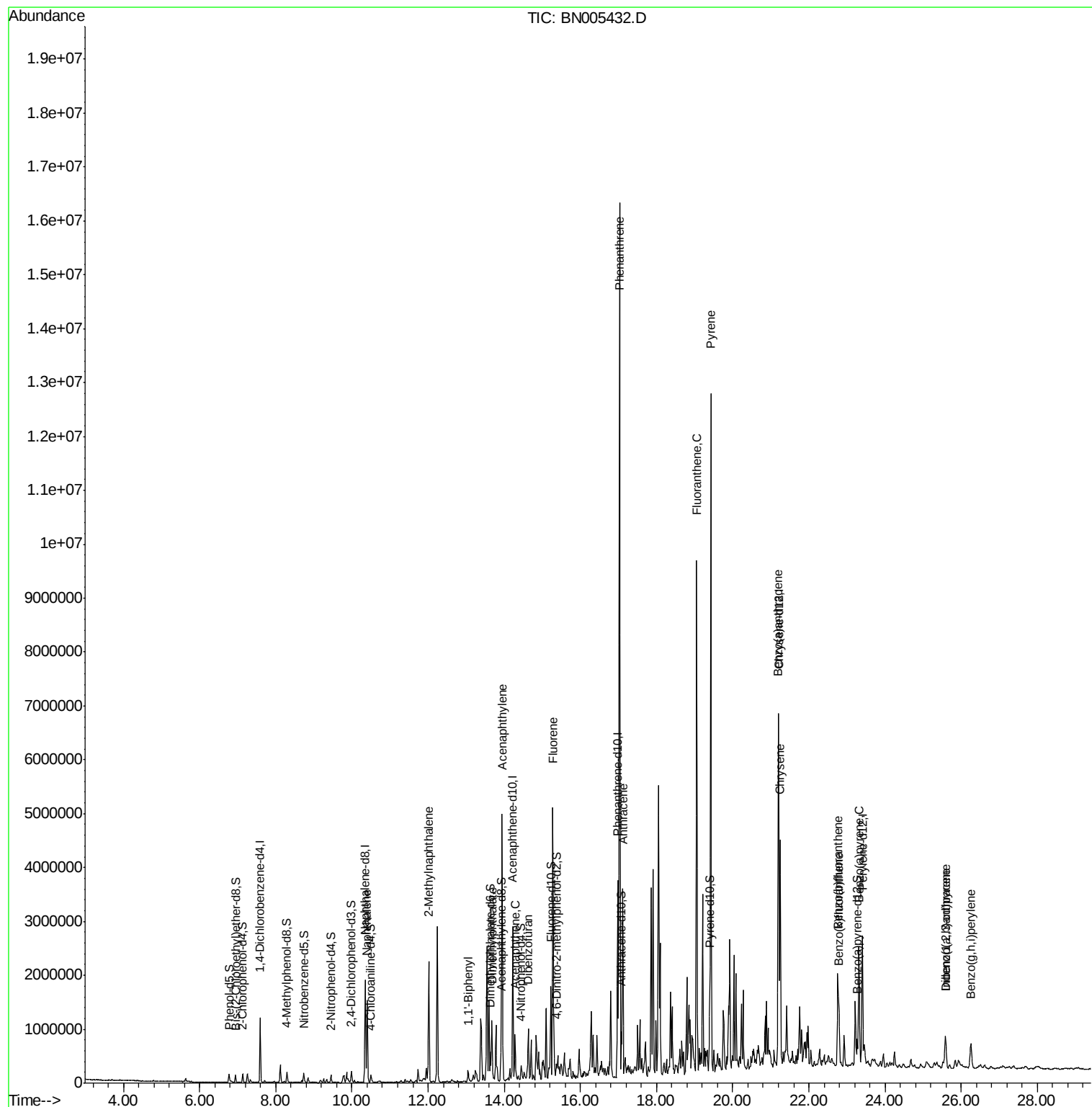
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005432.D
Acq On : 03 May 2019 01:21
Operator : JU/SJ
Sample : K2603-20 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

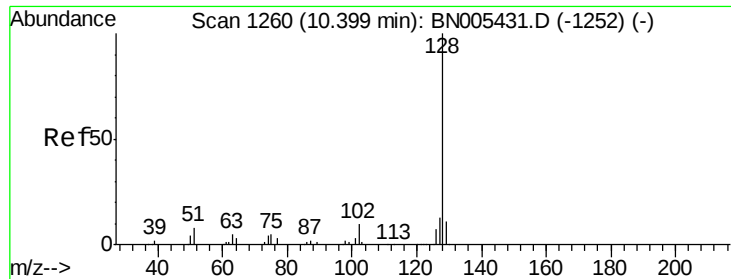
Instrument :
BNA_N
ClientSampleId :
GAJ72

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Quant Time: May 03 05:14:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
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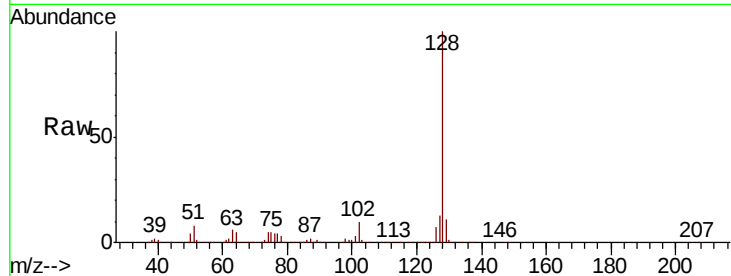
#28
Naphthalene
Concen: 17.016 ng/ul
RT: 10.40 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BN005432.D
Acq: 03 May 2019 01:21

Instrument :
BNA_N
ClientSampled :
GAJ72

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.2	13.8
127	13.4	10.7	16.1

Manual Integrations
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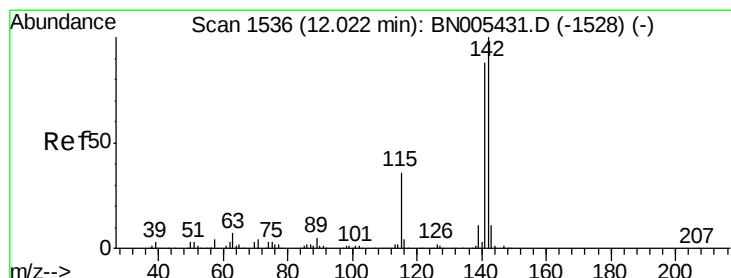
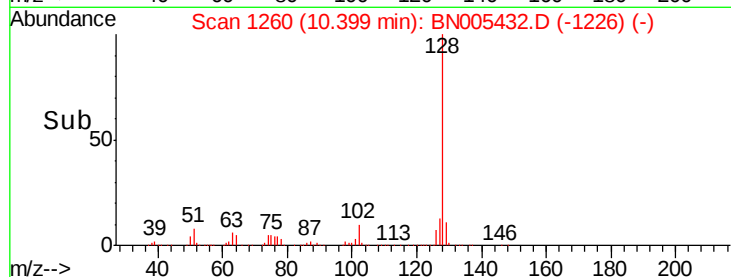
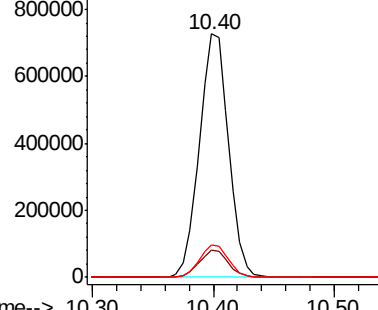


Abundance

Ion 128.00 (127.70 to 128.70): E

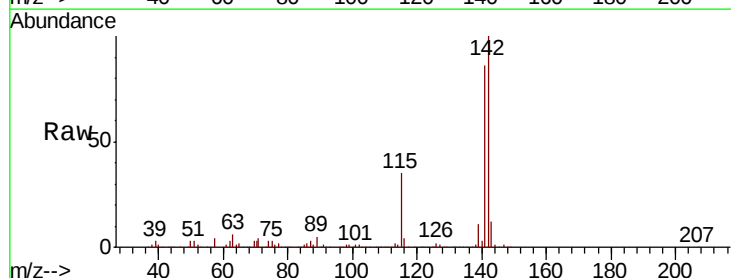
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 20.510 ng/ul
RT: 12.02 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BN005432.D
Acq: 03 May 2019 01:21

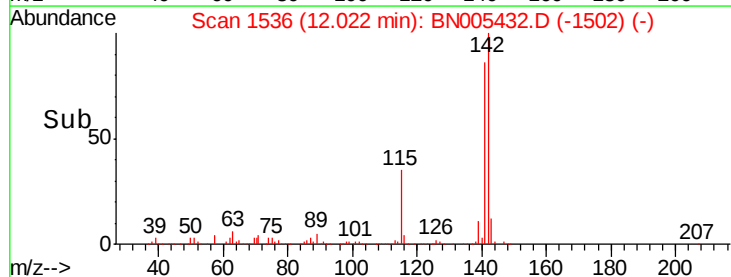
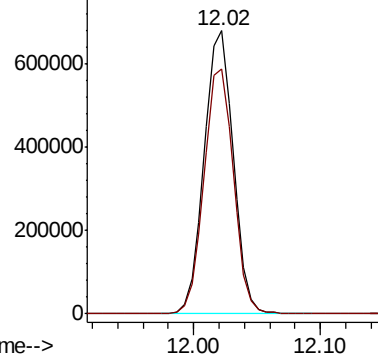
Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.5	72.0	108.0

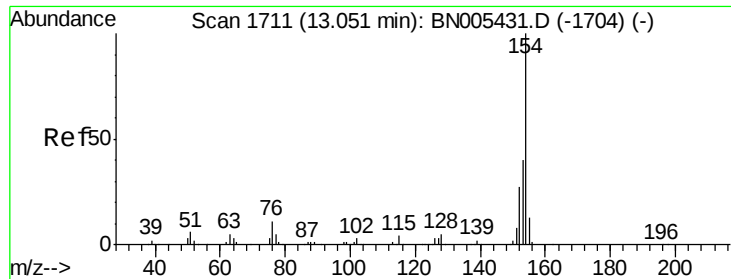


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





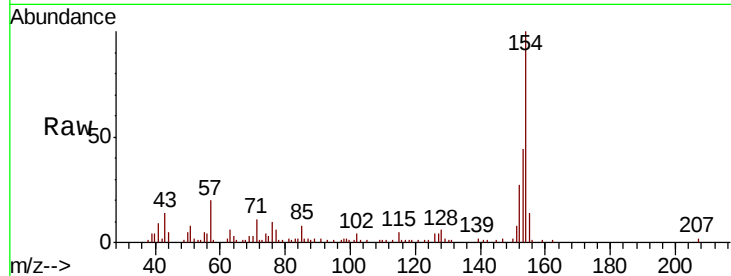
#40
 1,1'-Biphenyl
 Concen: 1.142 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BN005432.D
 Acq: 03 May 2019 01:21

Instrument :
 BNA_N
 ClientSampleId :
 GAJ72

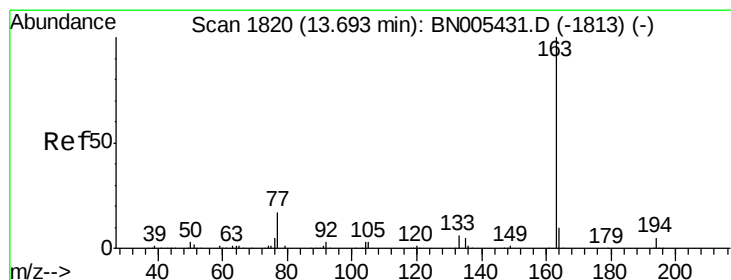
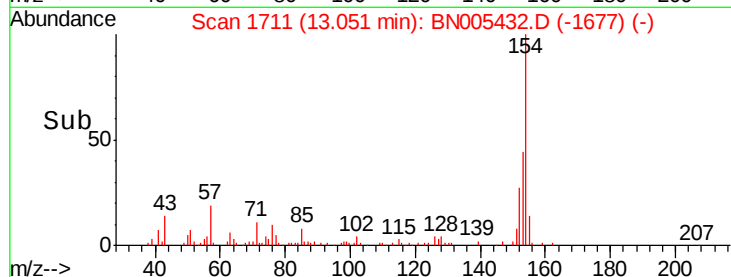
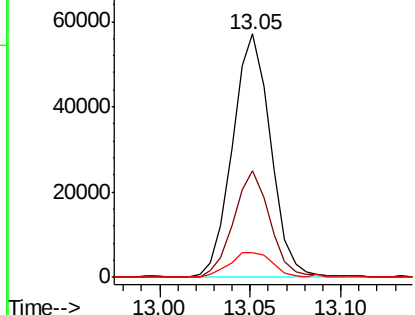
Tot Ion:	154	Resp:	83929
Ion Ratio	Lower	Upper	
154	100		
153	43.8	32.6	49.0
76	10.4	10.4	15.6

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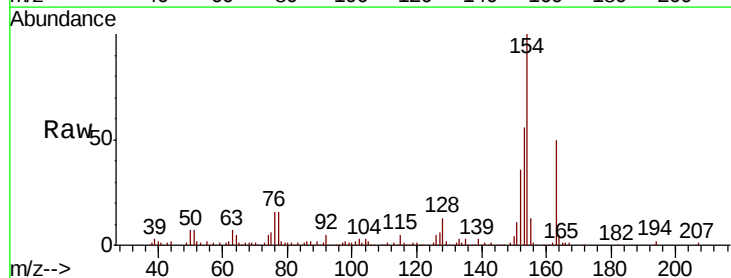


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNO

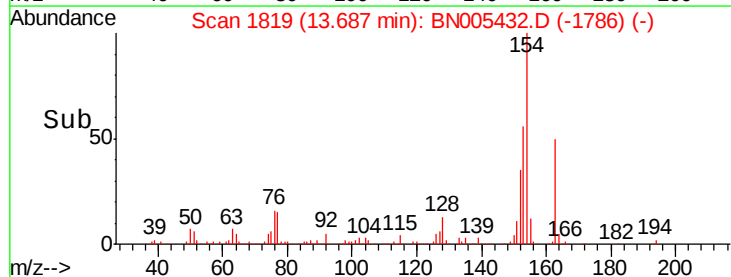
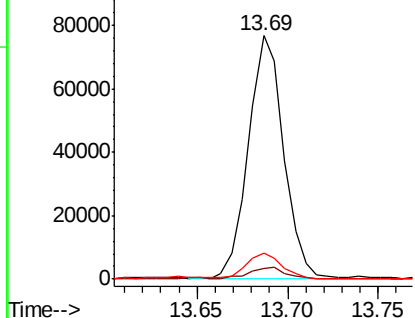


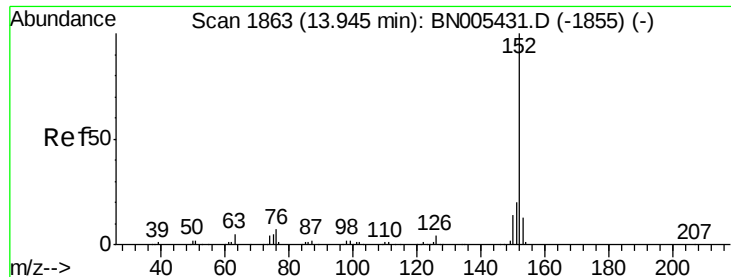
#44
 Dimethylphthalate
 Concen: 1.468 ng/ul
 RT: 13.69 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BN005432.D
 Acq: 03 May 2019 01:21

Tgt Ion:	163	Resp:	104691
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.0
164	10.6	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: 38.143 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. -0.00 min

Lab File: BN005432.D

Acq: 03 May 2019 01:21

Instrument :

BNA_N

ClientSampled :

GAJ72

Tot Ion:152 Resp: 3295430

Ion Ratio Lower Upper

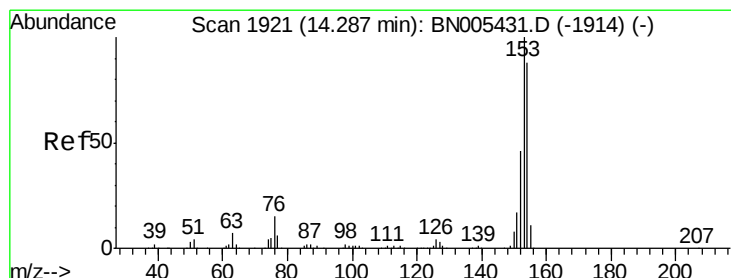
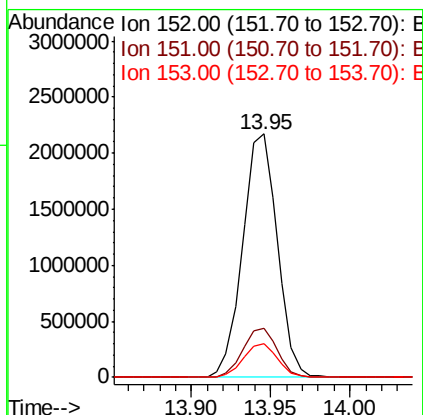
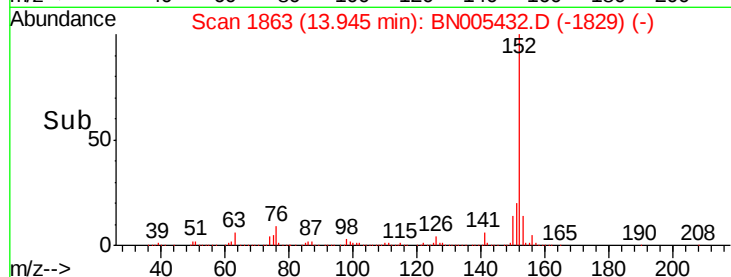
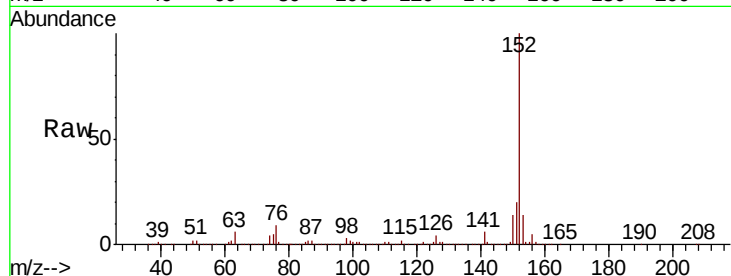
152 100

151 20.0 15.8 23.8

153 13.8 9.8 14.8

Manual Integrations
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#49

Acenaphthene

Concen: 5.502 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005432.D

Acq: 03 May 2019 01:21

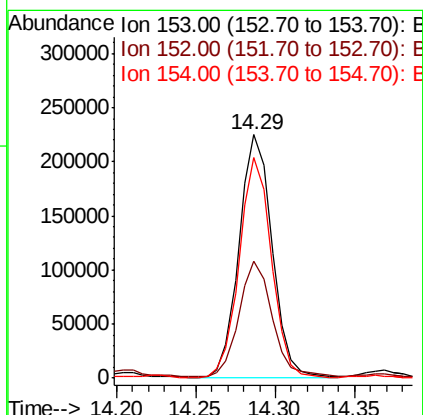
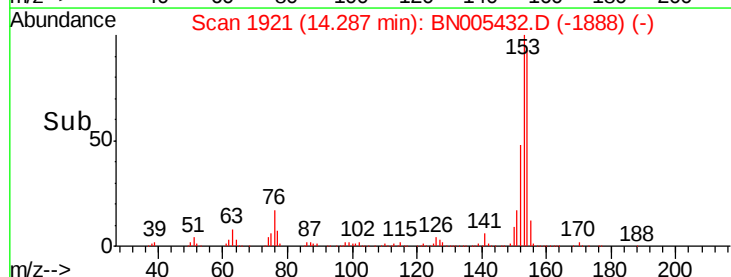
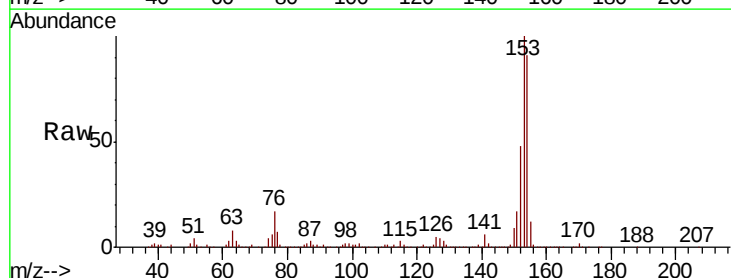
Tgt Ion:153 Resp: 324493

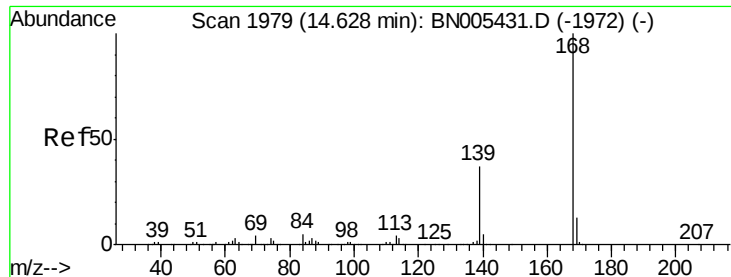
Ion Ratio Lower Upper

153 100

152 48.2 37.4 56.0

154 90.7 71.2 106.8





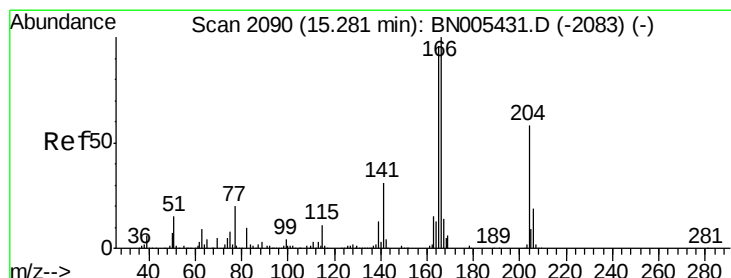
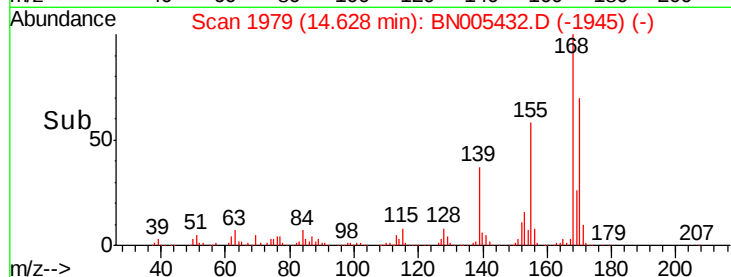
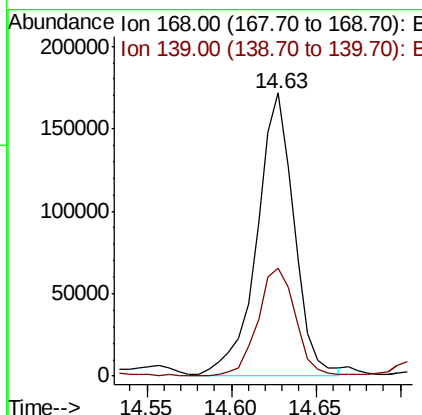
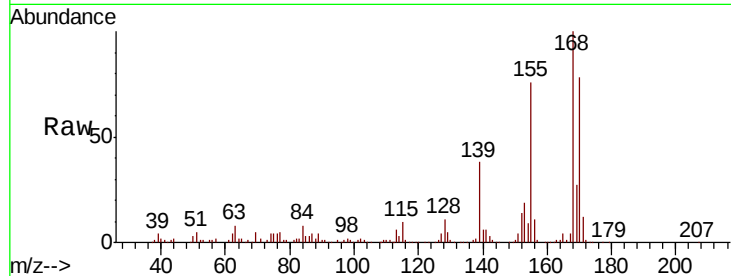
#53
Dibenzenofuran
Concen: 3.085 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BN005432.D
Acq: 03 May 2019 01:21

Instrument :
BNA_N
ClientSampleId :
GAJ72

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.0	30.9	46.3

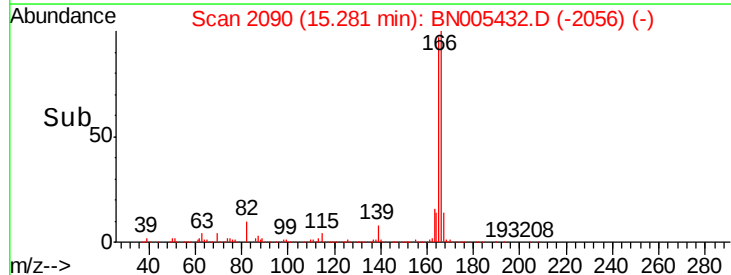
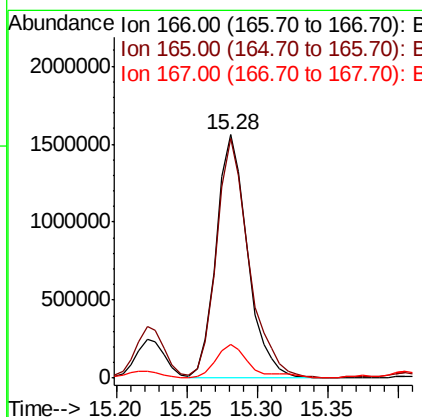
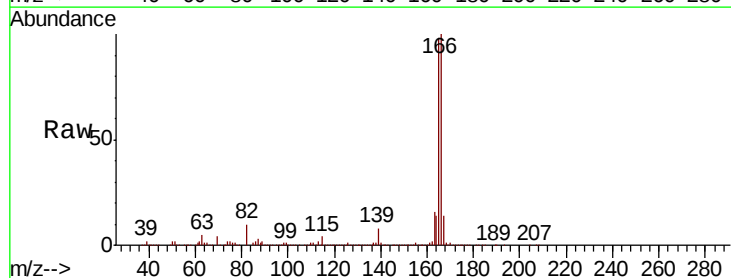
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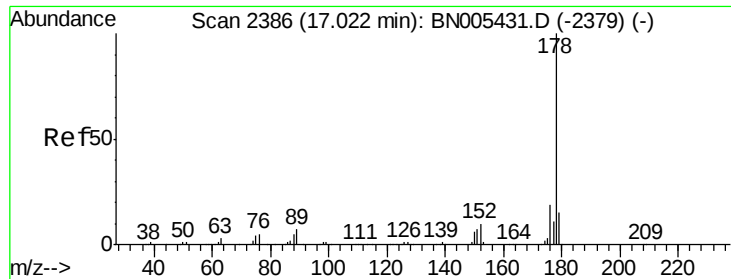
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#58
Fluorene
Concen: 36.214 ng/ul
RT: 15.28 min Scan# 2090
Delta R.T. -0.00 min
Lab File: BN005432.D
Acq: 03 May 2019 01:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	80.0	120.0
167	14.0	10.7	16.1





#69

Phenanthrene

Concen: 92.489 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.01 min

Lab File: BN005432.D

Acq: 03 May 2019 01:21

Instrument :

BNA_N

ClientSampleId :

GAJ72

Tot Ion:178 Resp:10234137

Ion Ratio Lower Upper

178 100

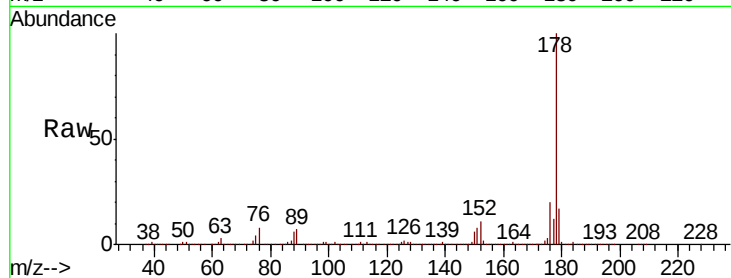
179 16.5 12.2 18.4

176 20.3 15.1 22.7

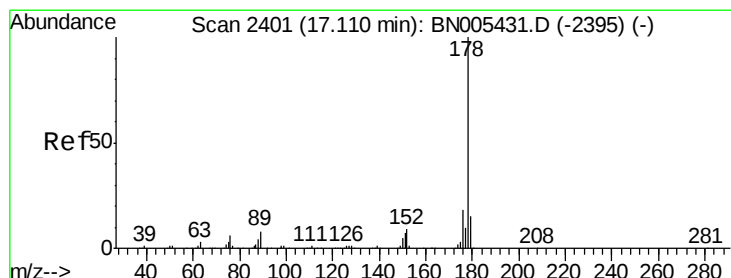
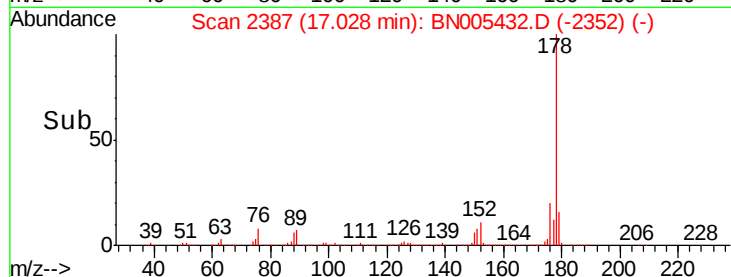
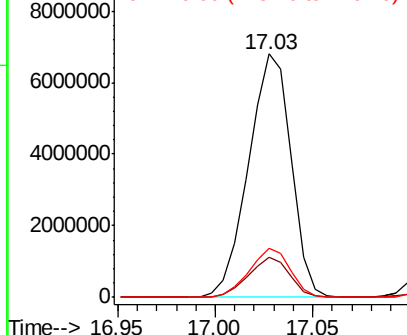
Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 19.829 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. -0.00 min

Lab File: BN005432.D

Acq: 03 May 2019 01:21

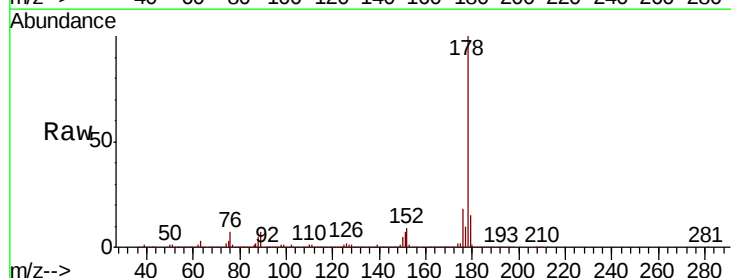
Tgt Ion:178 Resp: 2235175

Ion Ratio Lower Upper

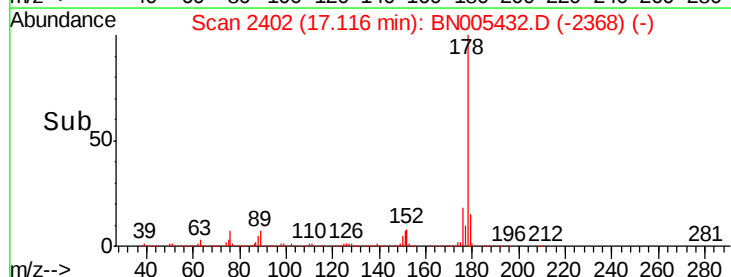
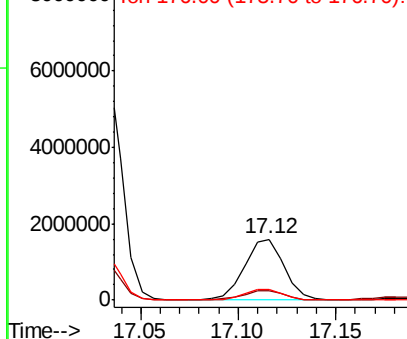
178 100

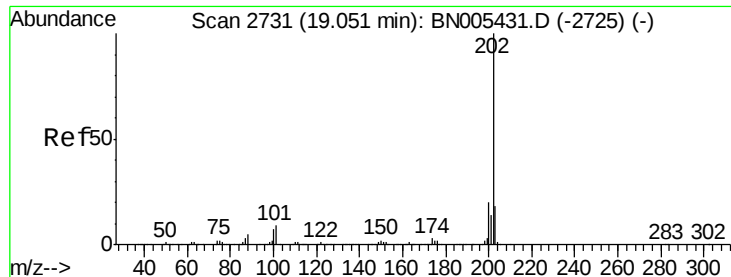
179 15.1 12.3 18.5

176 17.9 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





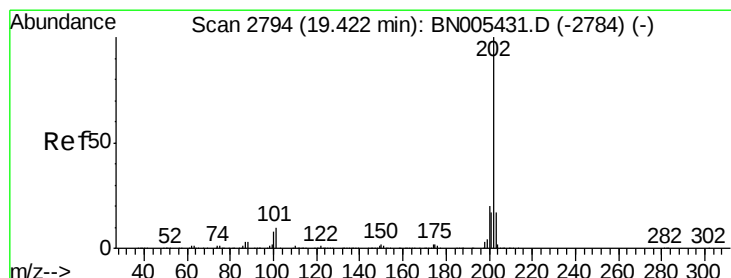
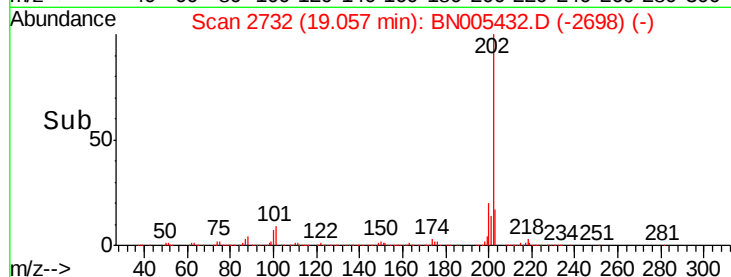
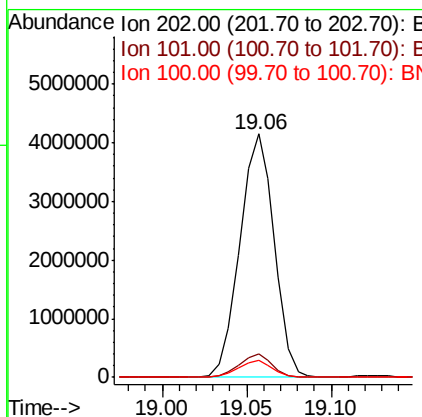
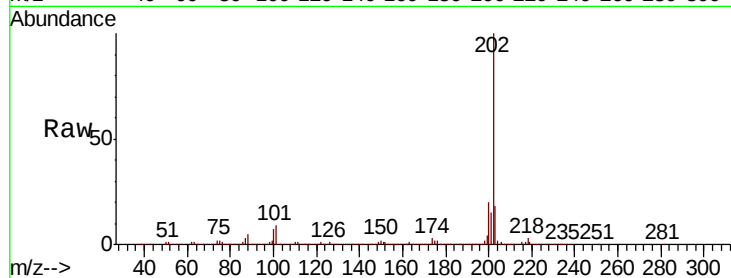
#76
 Fluoranthene
 Concen: 47.656 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: BN005432.D
 Acq: 03 May 2019 01:21

Instrument :
 BNA_N
 ClientSampled :
 GAJ72

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	8.6	12.8
100	7.0	6.3	9.5

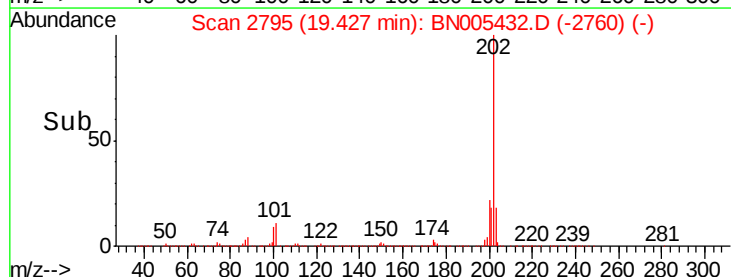
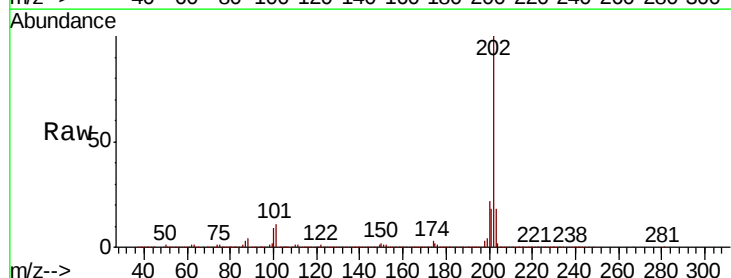
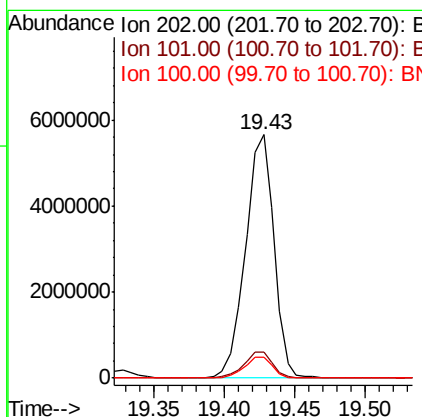
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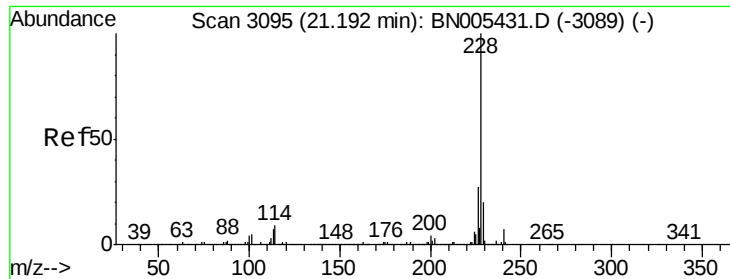
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#79
 Pyrene
 Concen: 64.625 ng/ul
 RT: 19.43 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: BN005432.D
 Acq: 03 May 2019 01:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	10.3	15.5
100	8.7	7.9	11.9





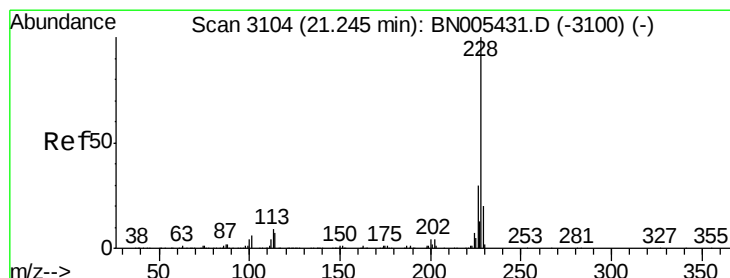
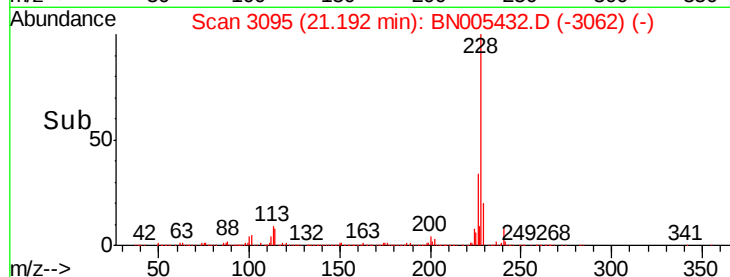
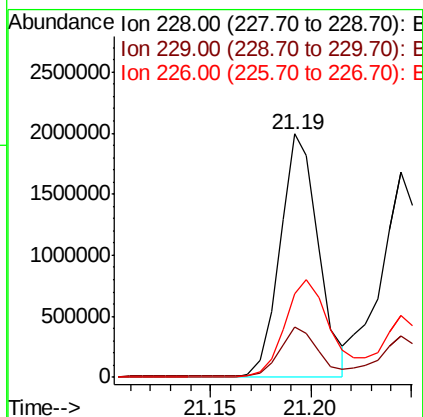
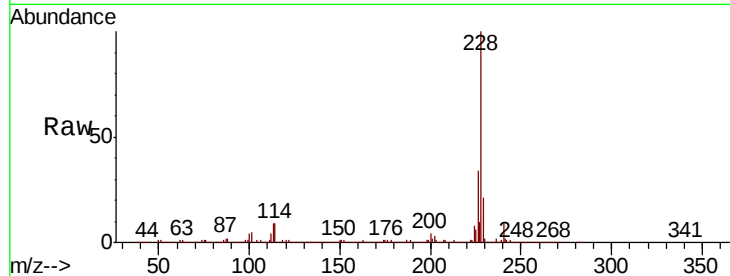
#82
Benzo(a)anthracene
Concen: 22.229 ng/ul m
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BN005432.D
Acq: 03 May 2019 01:21

Instrument :
BNA_N
ClientSampled :
GAJ72

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.8	23.6
226	34.4	21.4	32.2

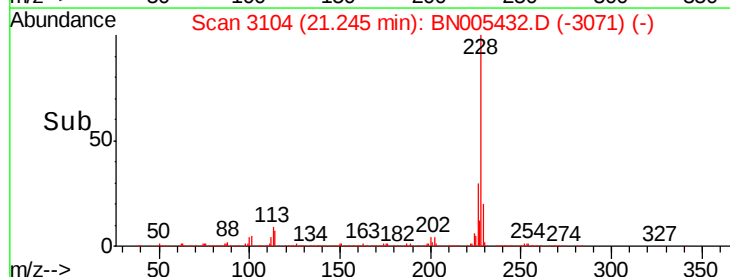
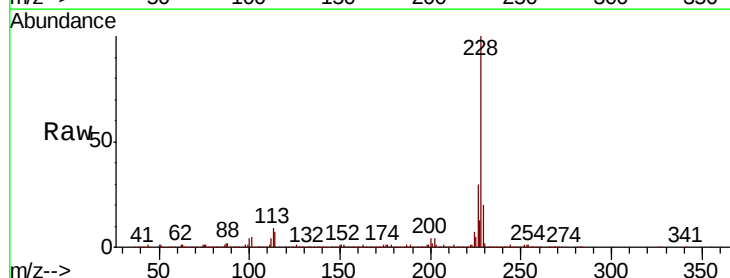
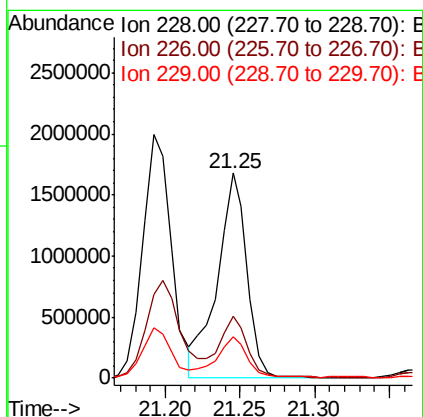
Manual Integrations
APPROVED

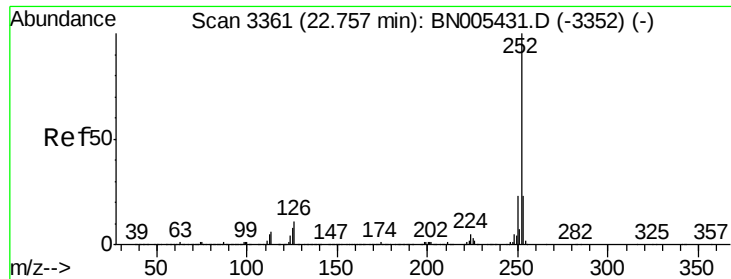
Sohil
5/3/2019 4:56:40 PM



#84
Chrysene
Concen: 20.948 ng/ul
RT: 21.25 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN005432.D
Acq: 03 May 2019 01:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	20.2	15.4	23.0





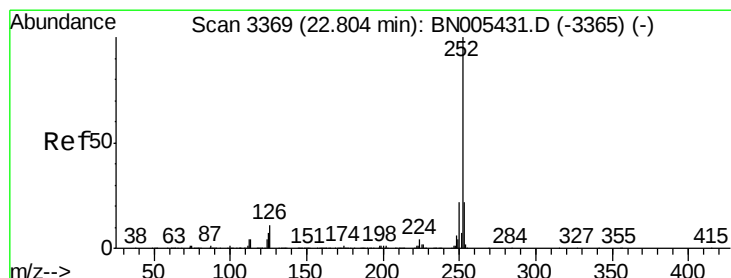
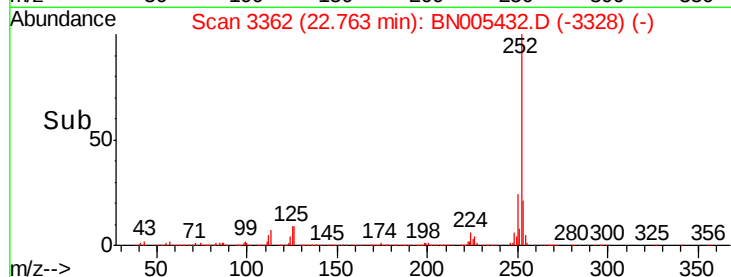
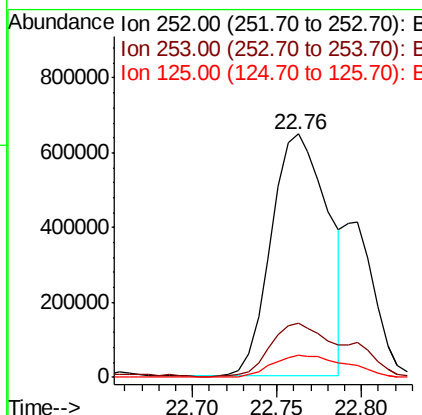
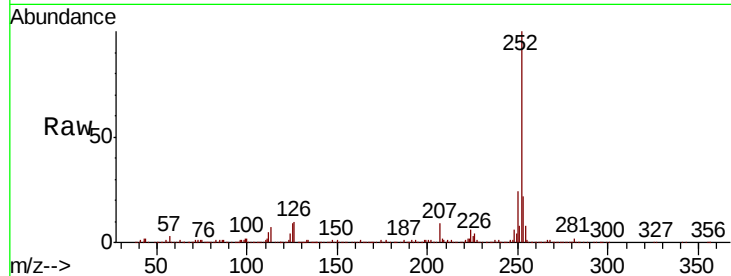
#87
Benzo(b)fluoranthene
Concen: 14.904 ng/u1
RT: 22.76 min Scan# 3362
Delta R.T. -0.00 min
Lab File: BN005432.D
Acq: 03 May 2019 01:21

Instrument :
BNA_N
ClientSampleId :
GAJ72

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.9	8.4	12.6

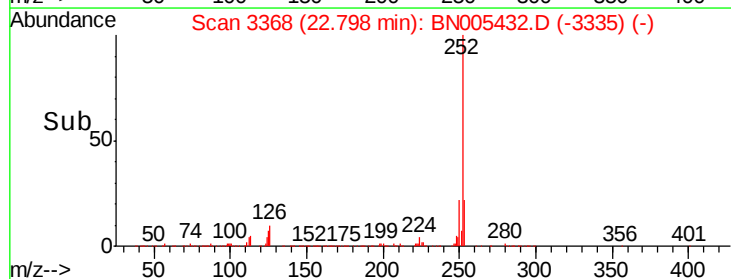
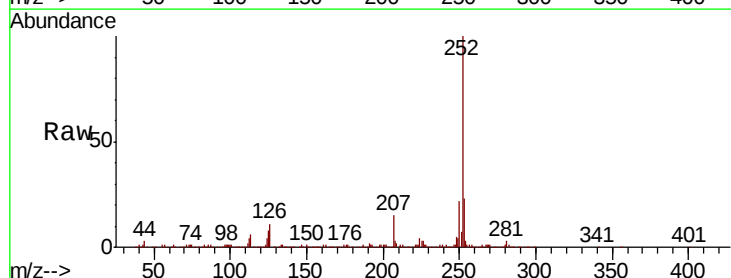
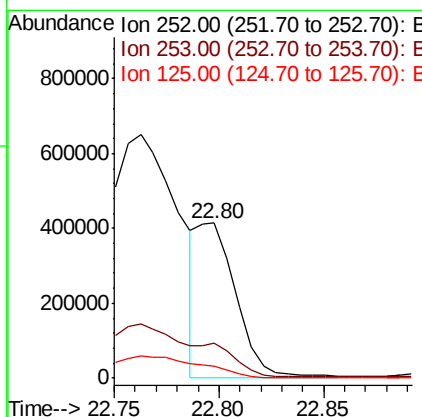
Manual Integrations
APPROVED

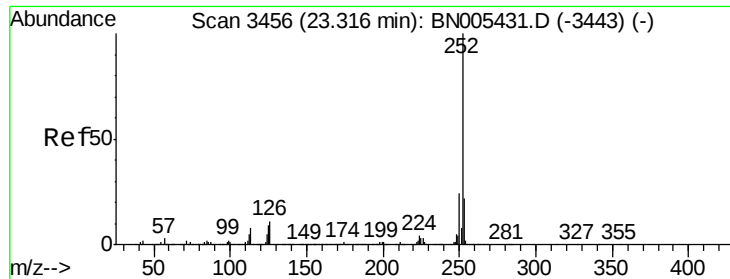
Sohil
5/3/2019 4:56:40 PM



#88
Benzo(k)fluoranthene
Concen: 5.486 ng/u1 m
RT: 22.80 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BN005432.D
Acq: 03 May 2019 01:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	7.8	7.5	11.3





#90

Benzo(a)pyrene

Concen: 15.333 ng/ul m

RT: 23.32 min Scan# 3456

Delta R.T. -0.01 min

Lab File: BN005432.D

Acq: 03 May 2019 01:21

Instrument :

BNA_N

ClientSampled :

GAJ72

Tot Ion:252 Resp: 1460493

Ion Ratio Lower Upper

252 100

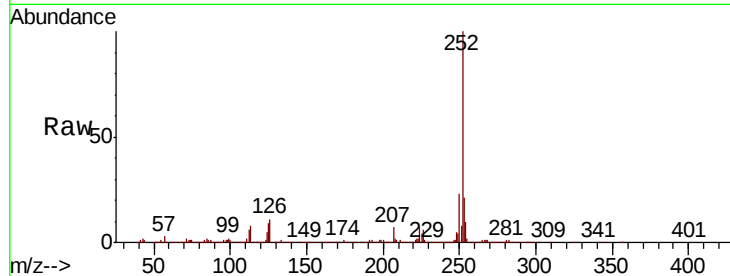
253 21.4 17.3 25.9

125 8.6 8.6 13.0#

Manual Integrations
APPROVED

Sohil

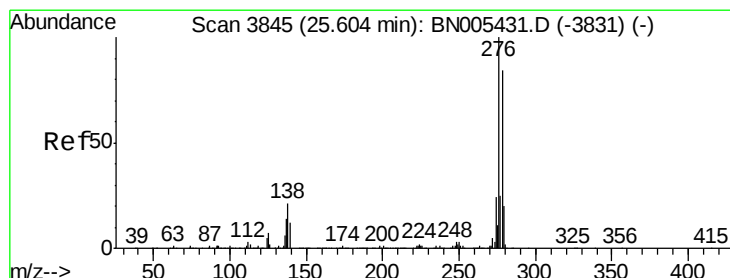
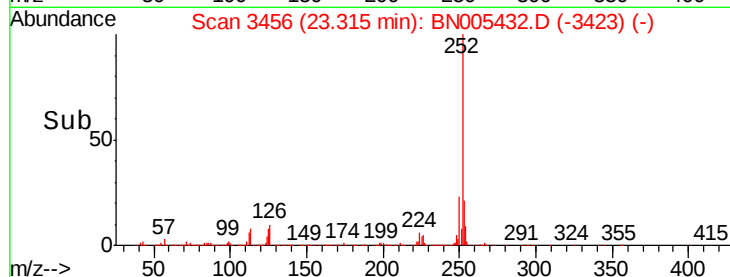
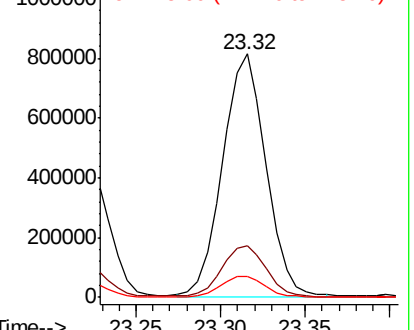
5/3/2019 4:56:40 PM



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 5.618 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. -0.02 min

Lab File: BN005432.D

Acq: 03 May 2019 01:21

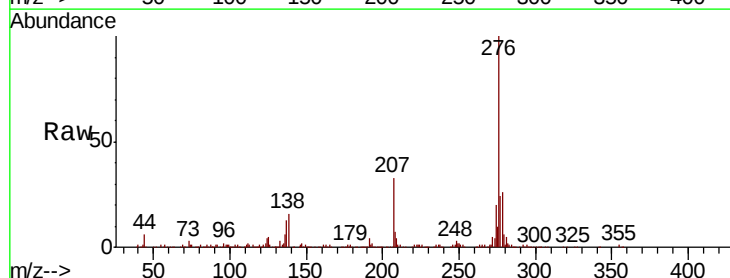
Tgt Ion:276 Resp: 591615

Ion Ratio Lower Upper

276 100

138 15.7 17.9 26.9#

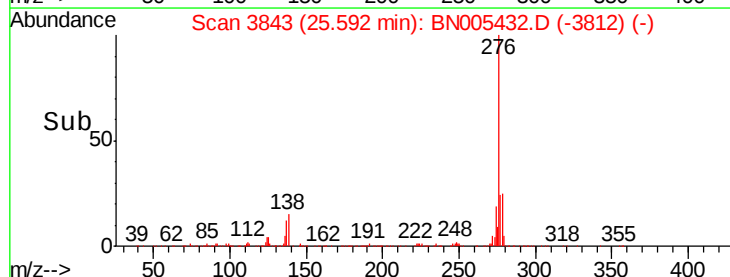
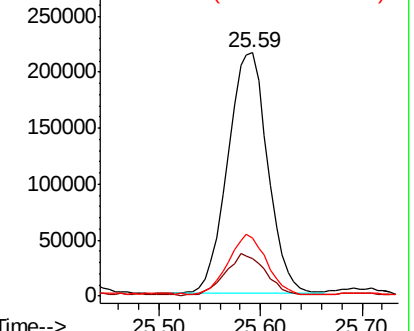
277 24.0 19.7 29.5

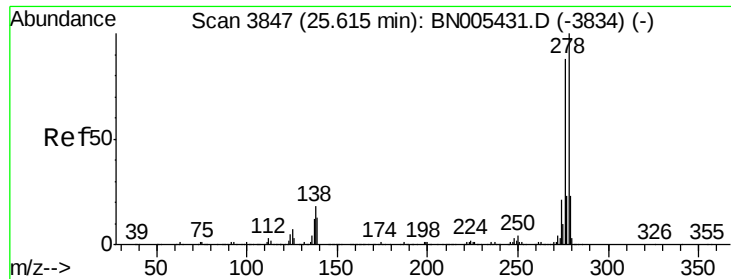


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 1.953 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. -0.03 min

Lab File: BN005432.D

Acq: 03 May 2019 01:21

Instrument :

BNA_N

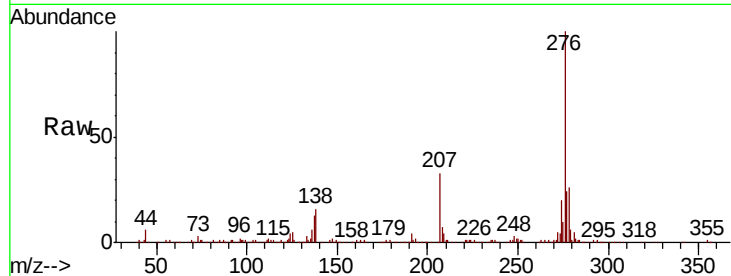
ClientSampleId :

GAJ72

Tot Ion:	278	Resp:	174527
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.1	19.7#
279	22.6	19.4	29.0

Manual Integrations
APPROVED

Sohil
5/3/2019 4:56:40 PM

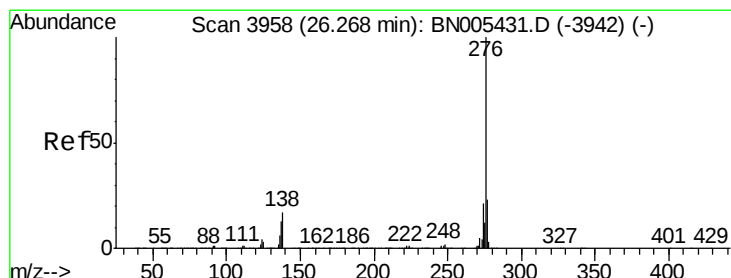
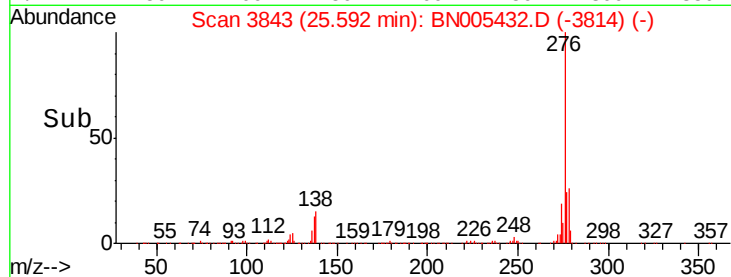
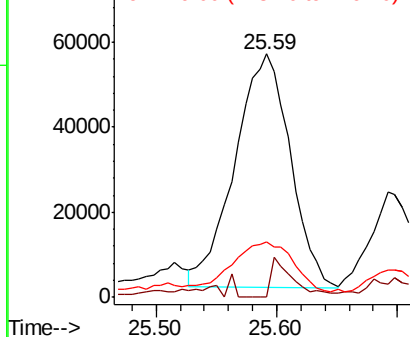


Abundance

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: 6.498 ng/ul

RT: 26.25 min Scan# 3955

Delta R.T. -0.03 min

Lab File: BN005432.D

Acq: 03 May 2019 01:21

Tgt Ion:	276	Resp:	565797
Ion Ratio	Lower	Upper	
276	100		
138	17.0	16.7	25.1
277	24.7	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

