

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
 Data File : BN005872.D
 Acq On : 23 May 2019 04:07
 Operator : JU/SJ
 Sample : K2927-19
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 A42C0

Manual Integrations
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Quant Time: May 23 07:09:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 04:04:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	82793	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	358134	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	251594	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	651104	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	708210	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	696578	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	6953	4.70	ng/uL	0.00
5) Phenol-d5	6.76	99	137625	21.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	84651	25.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	122877	23.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	118979	21.74	ng/ul	0.00
19) Nitrobenzene-d5	8.71	128	66681	25.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	65976	21.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	132134	23.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	127900	20.10	ng/ul	0.00
43) Dimethylphthalate-d6	13.62	166	520826	26.90	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	642279	27.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	26816m	9.83	ng/ul	0.04
57) Fluorene-d10	15.20	176	478427	28.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	9883	2.53	ng/ul	0.02
70) Anthracene-d10	17.06	188	789934	28.08	ng/ul	0.00
78) Pyrene-d10	19.38	212	940373	26.95	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	837709	26.81	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.79	94	6615	1.014	ng/ul#	52
28) Naphthalene	10.37	128	26442	1.546	ng/ul	98
44) Dimethylphthalate	13.67	163	186342	9.763	ng/ul	99
47) Acenaphthylene	13.92	152	28696	1.267	ng/ul	100
49) Acenaphthene	14.26	153	33955	2.213	ng/ul	92
53) Dibenzofuran	14.62	168	29344	1.289	ng/ul	97
58) Fluorene	15.26	166	41009	2.214	ng/ul#	88
69) Phenanthrene	17.00	178	710493	22.014	ng/ul	100
71) Anthracene	17.10	178	174996	5.325	ng/ul	100
74) Carbazole	17.38	167	51243	1.769	ng/ul	96
76) Fluoranthene	19.04	202	1080217	27.071	ng/ul#	89
79) Pyrene	19.41	202	1087573	25.007	ng/ul#	85
82) Benzo(a)anthracene	21.18	228	842987	18.894	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.12	149	62155	2.459	ng/ul#	98
84) Chrysene	21.23	228	743124	17.668	ng/ul	97
87) Benzo(b)fluoranthene	22.76	252	934141	24.376	ng/ul#	95
88) Benzo(k)fluoranthene	22.79	252	255243m	6.884	ng/ul	
90) Benzo(a)pyrene	23.32	252	544987m	14.687	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.60	276	370532	8.167	ng/ul#	93
92) Dibenz(a,h)anthracene	25.60	278	97769	2.560	ng/ul#	93
93) Benzo(a,h,i)perylene	26.27	276	241713	6.374	ng/ul#	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

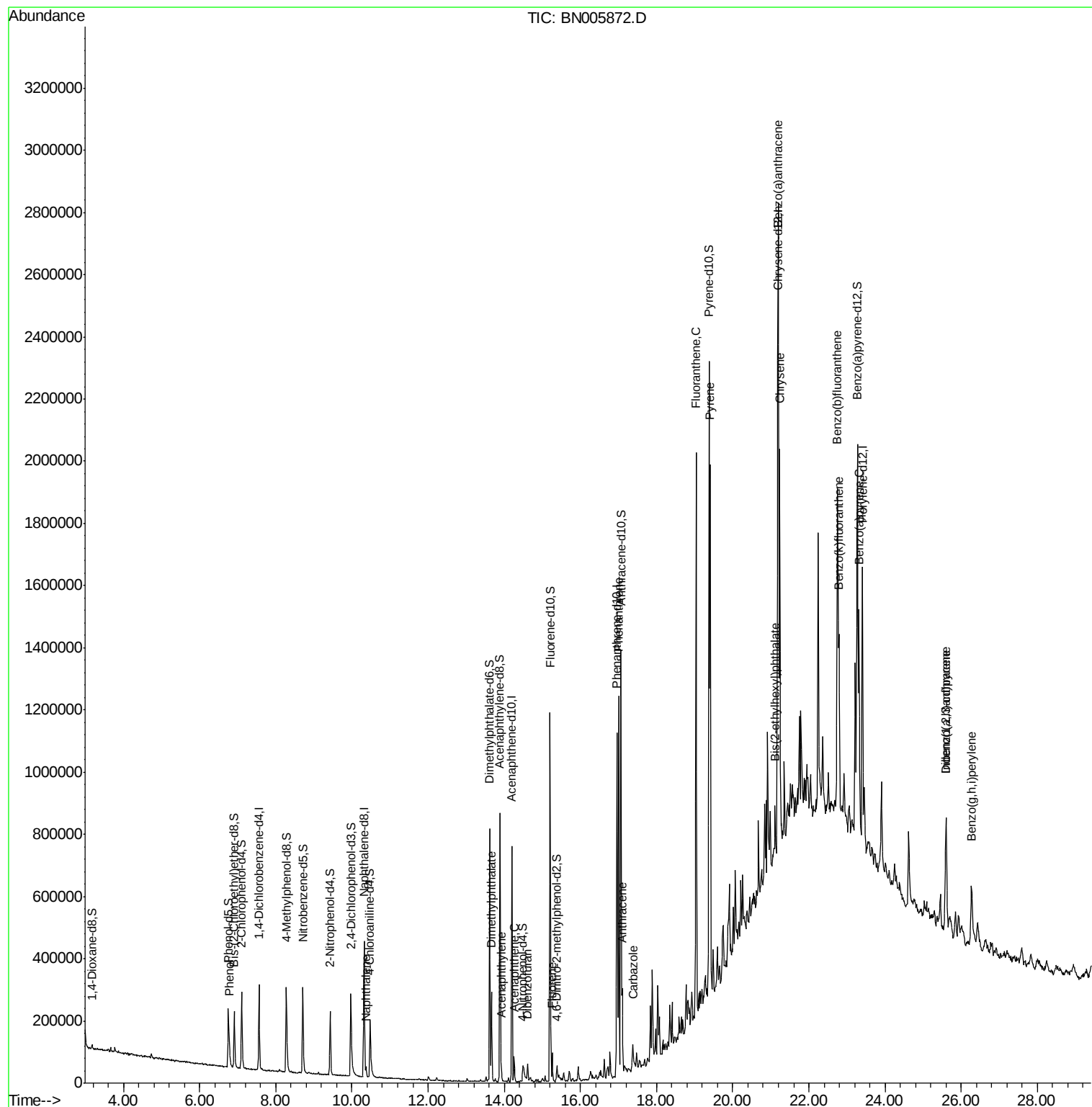
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
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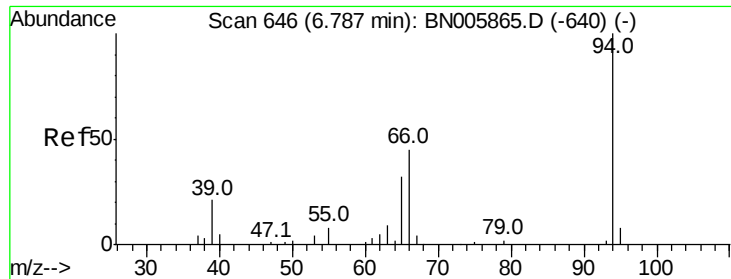
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#6

Phenol

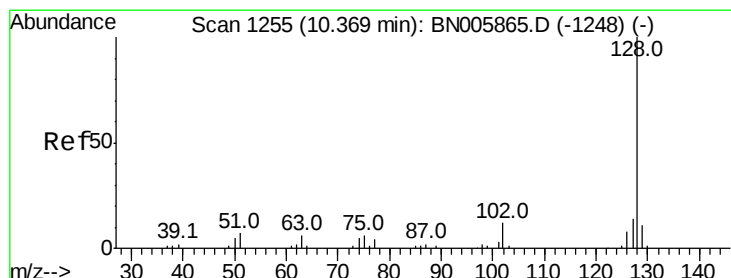
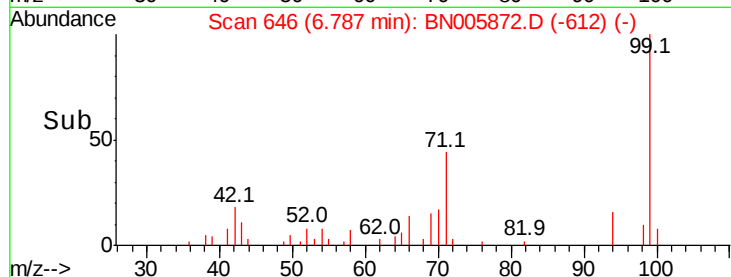
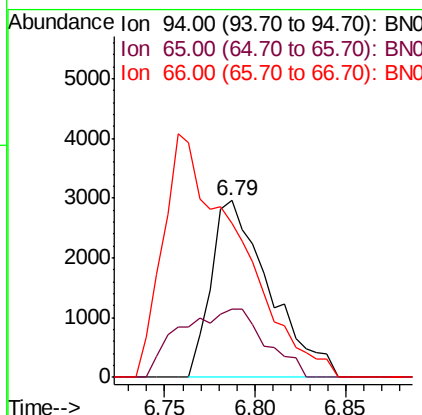
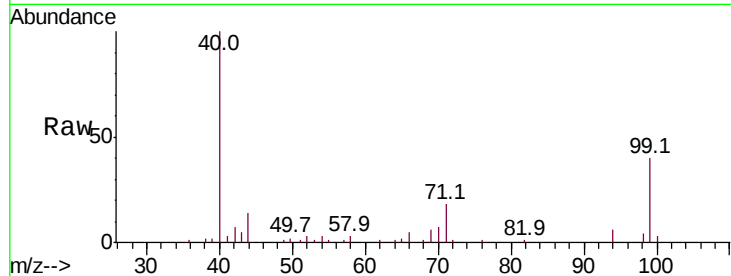
Concen: 1.014 ng/ul
 RT: 6.79 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

Instrument :
 BNA_N
 ClientSampled :
 A42C0

Tot Ion	Ratio	Lower	Upper
94	100		
65	38.7	24.2	36.4#
66	87.4	33.8	50.6#

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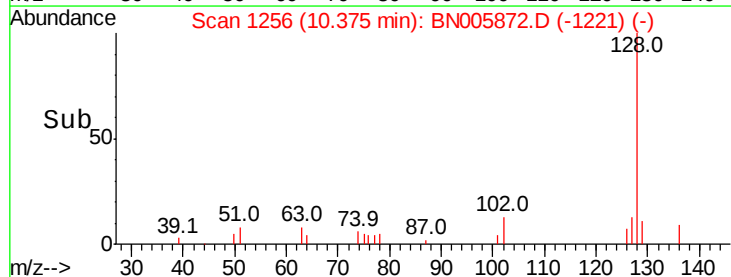
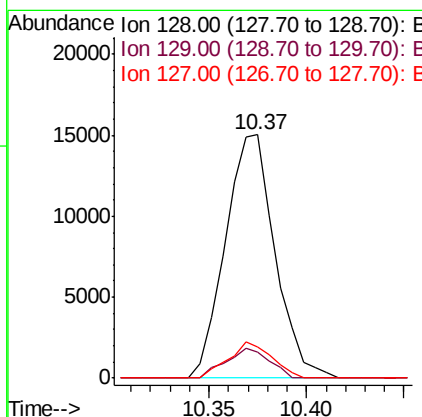
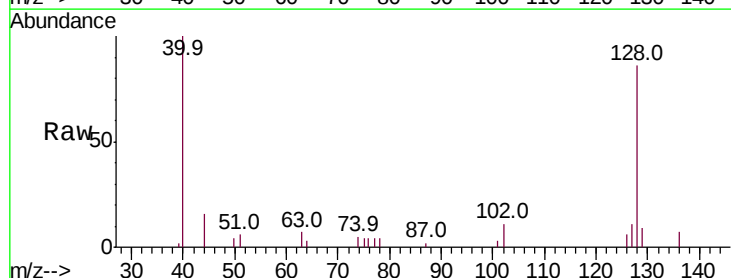


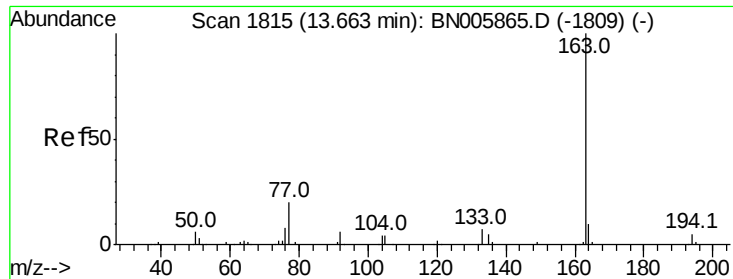
#28

Naphthalene

Concen: 1.546 ng/ul
 RT: 10.37 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.2	13.8
127	12.6	10.7	16.1





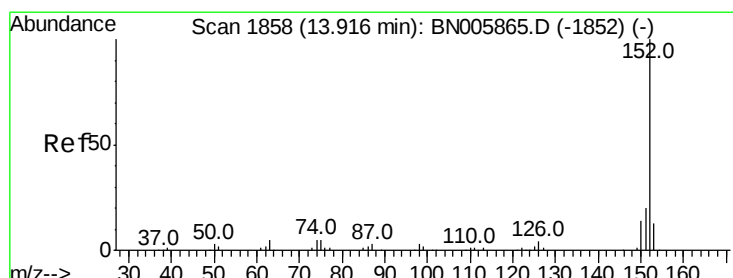
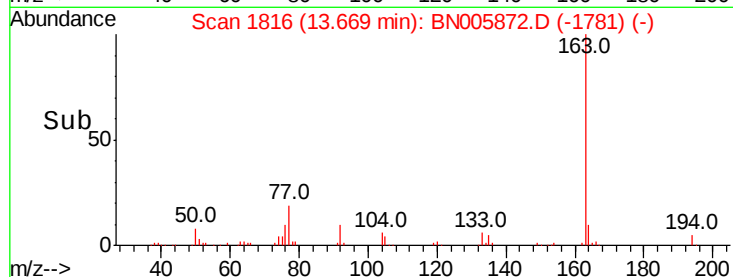
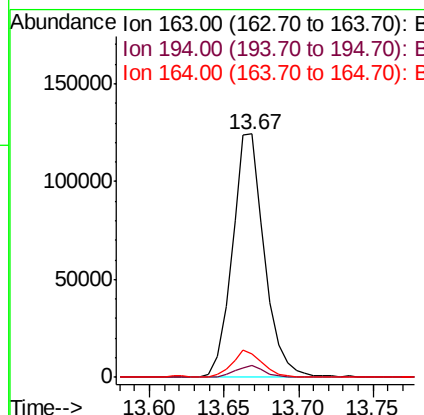
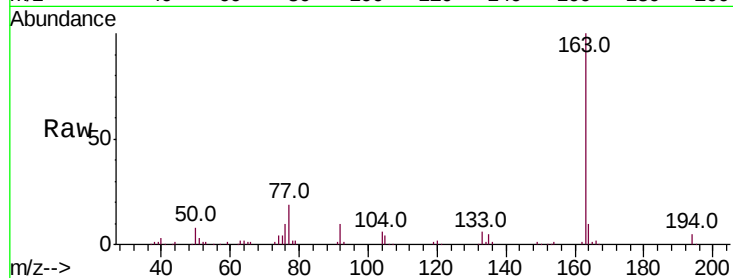
#44
Dimethylphthalate
Concen: 9.763 ng/ul
RT: 13.67 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BN005872.D
Acq: 23 May 2019 04:07

Instrument :
BNA_N
ClientSampleId :
A42C0

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.9	3.4	5.0
164	9.8	8.1	12.1

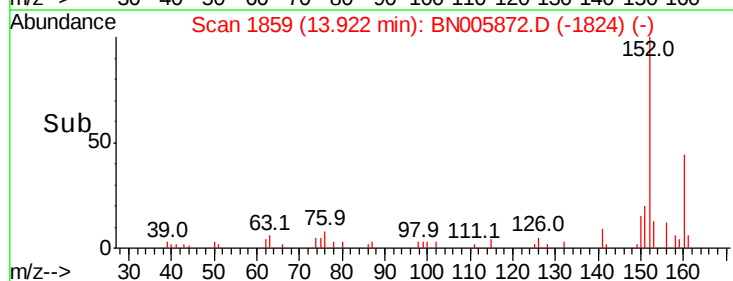
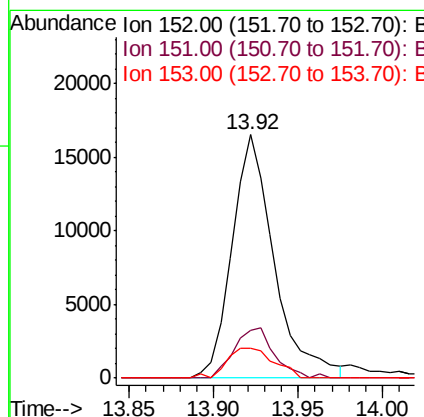
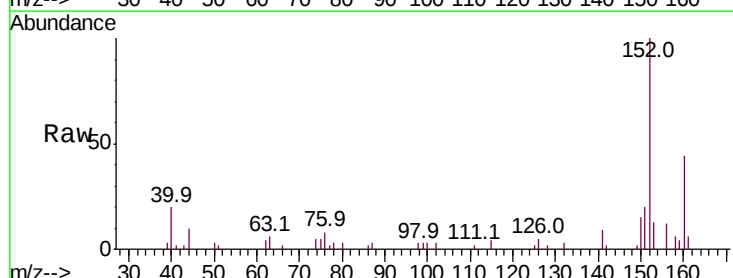
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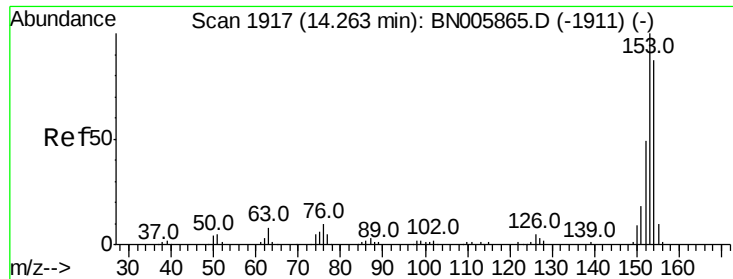
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#47
Acenaphthylene
Concen: 1.267 ng/ul
RT: 13.92 min Scan# 1859
Delta R.T. 0.01 min
Lab File: BN005872.D
Acq: 23 May 2019 04:07

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	19.7	15.8	23.8
153	12.5	9.8	14.8





#49

Acenaphthene

Concen: 2.213 ng/ul

RT: 14.26 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Instrument :

BNA_N

ClientSampleId :

A42C0

Tot Ion:153 Resp: 33955

Ion Ratio Lower Upper

153 100

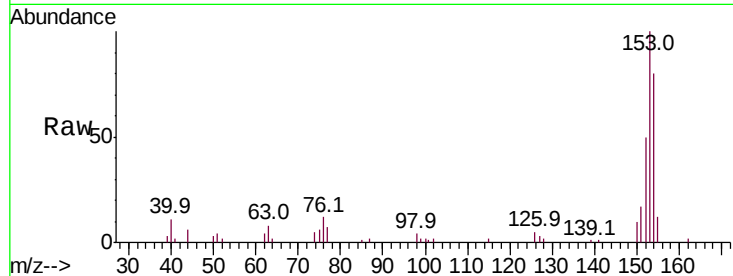
152 50.1 37.4 56.0

154 79.9 71.2 106.8

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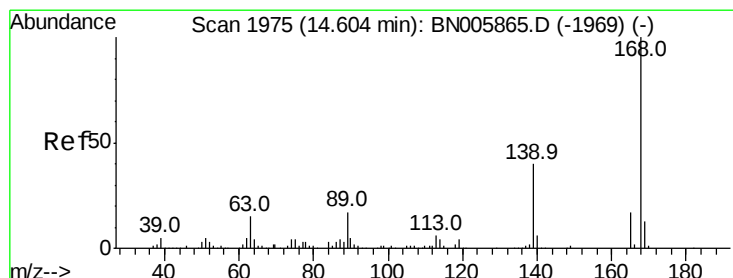
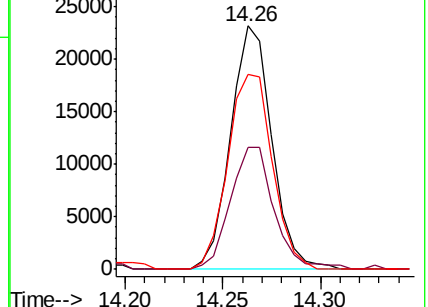
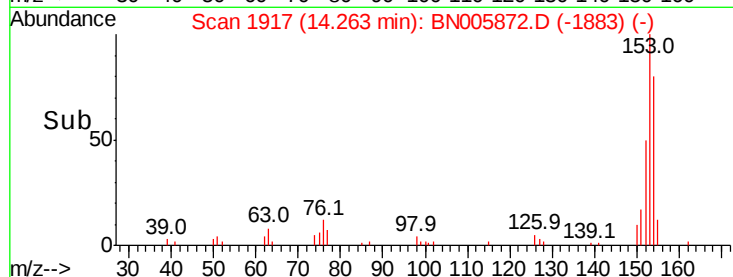
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.289 ng/ul

RT: 14.62 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BN005872.D

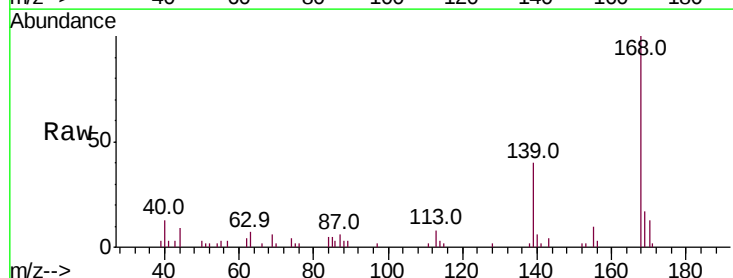
Acq: 23 May 2019 04:07

Tgt Ion:168 Resp: 29344

Ion Ratio Lower Upper

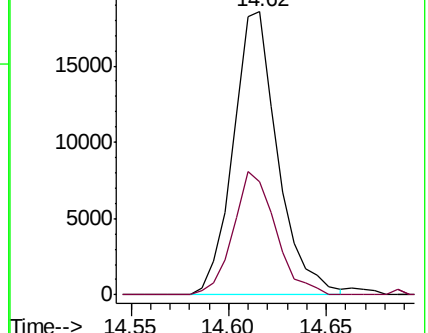
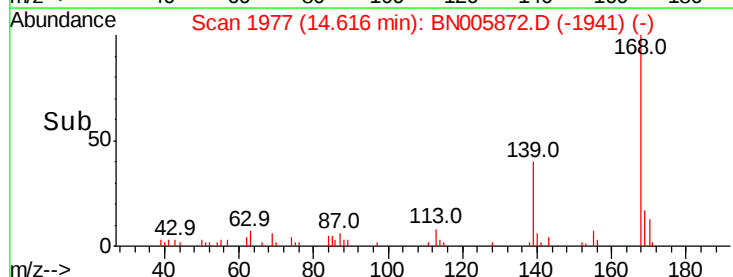
168 100

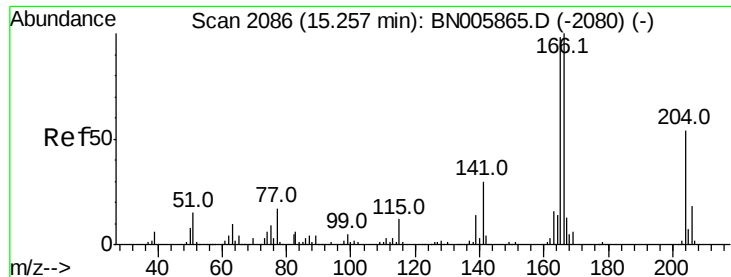
139 40.1 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





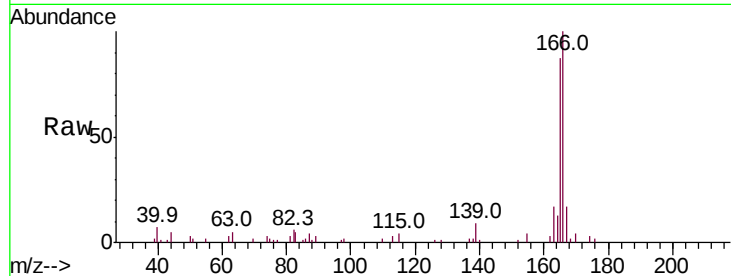
#58
 Fluorene
 Concen: 2.214 ng/ul
 RT: 15.26 min Scan# 2087
 Delta R.T. 0.01 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

Instrument :
 BNA_N
 ClientSampleId :
 A42C0

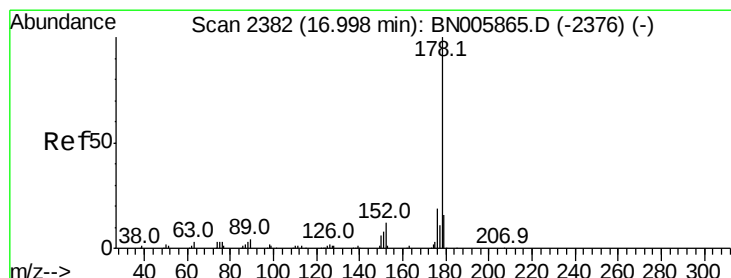
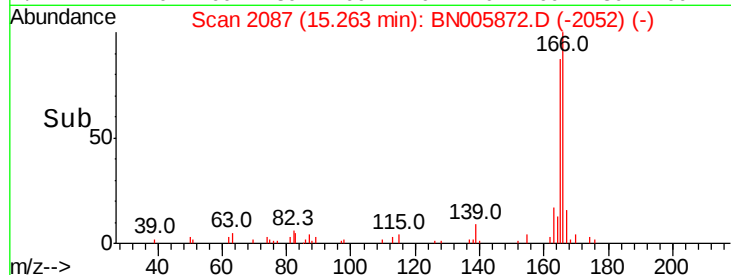
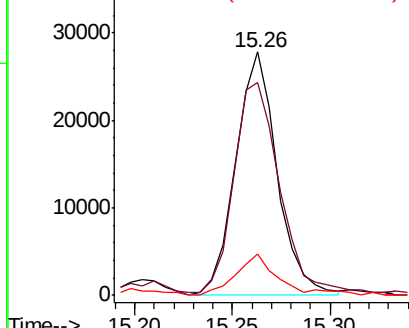
Tot Ion	Ratio	Lower	Upper
166	100		
165	87.2	80.0	120.0
167	17.1	10.7	16.1

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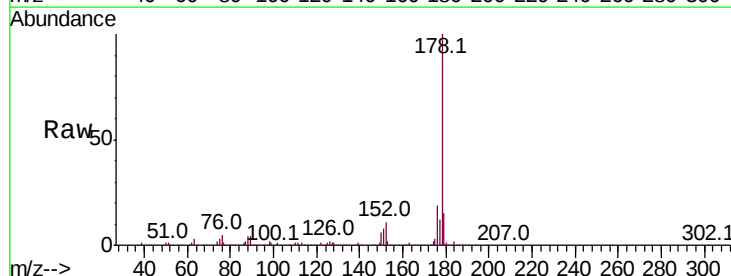


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

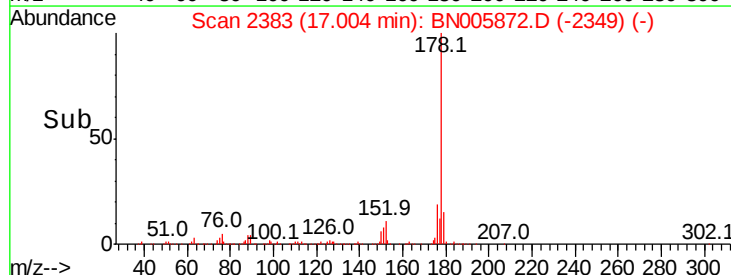
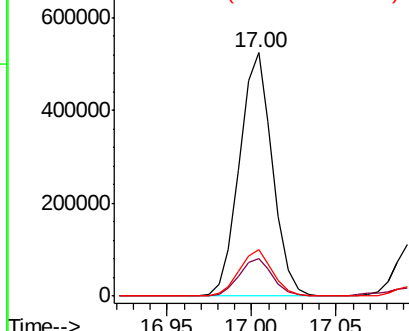


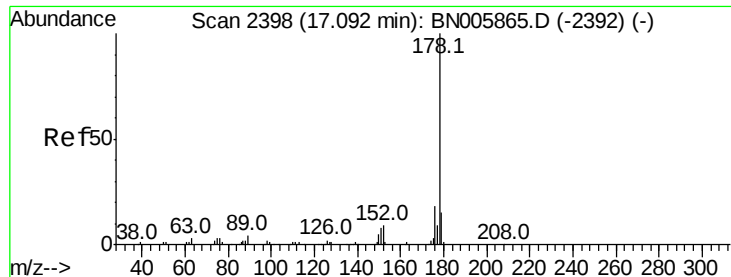
#69
 Phenanthrene
 Concen: 22.014 ng/ul
 RT: 17.00 min Scan# 2383
 Delta R.T. -0.00 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.4
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





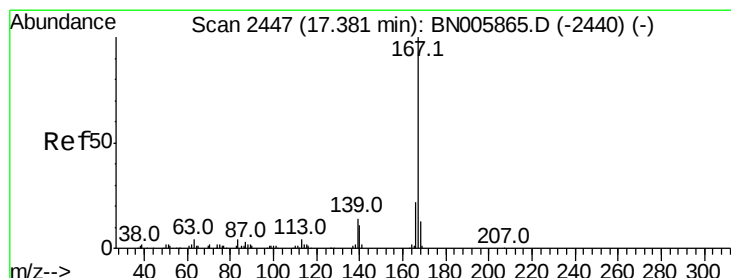
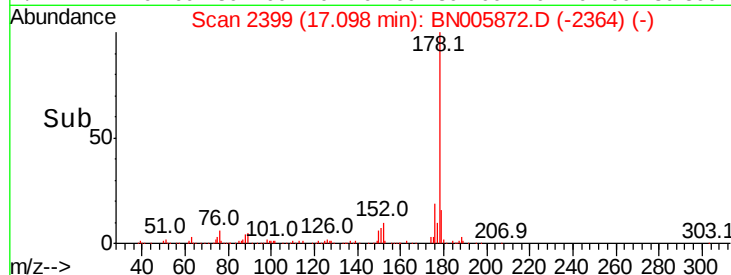
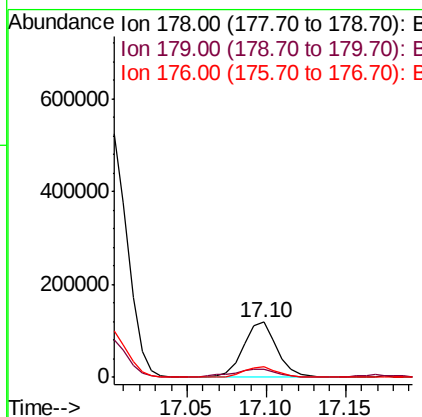
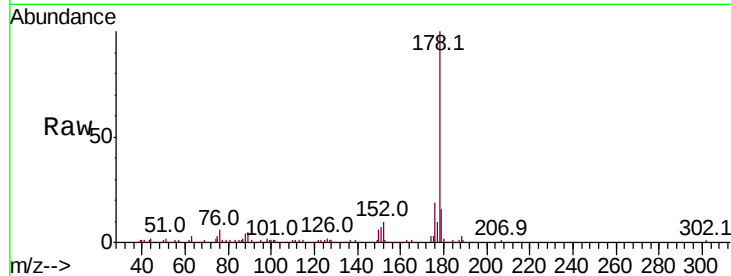
#71
 Anthracene
 Concen: 5.325 ng/ul
 RT: 17.10 min Scan# 2399
 Delta R.T. 0.01 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	19.2	15.1	22.7

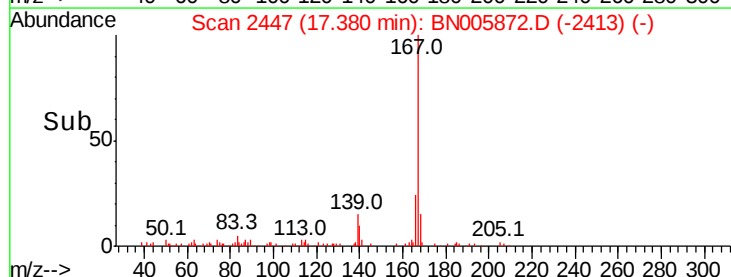
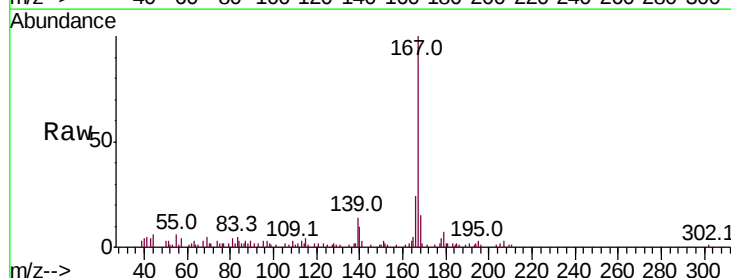
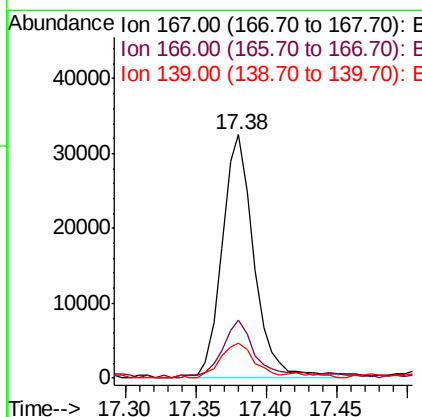
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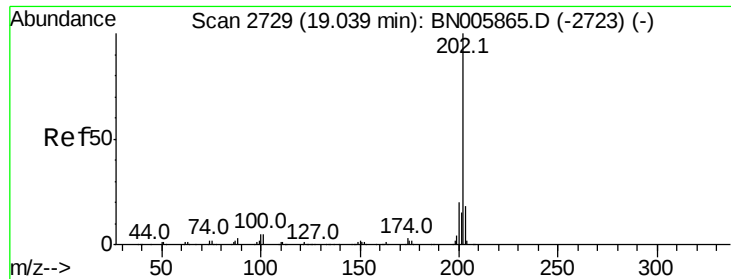
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#74
 Carbazole
 Concen: 1.769 ng/ul
 RT: 17.38 min Scan# 2447
 Delta R.T. -0.00 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.8	17.2	25.8
139	14.4	10.6	16.0





#76

Fluoranthene

Concen: 27.071 ng/ul

RT: 19.04 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Instrument :

BNA_N

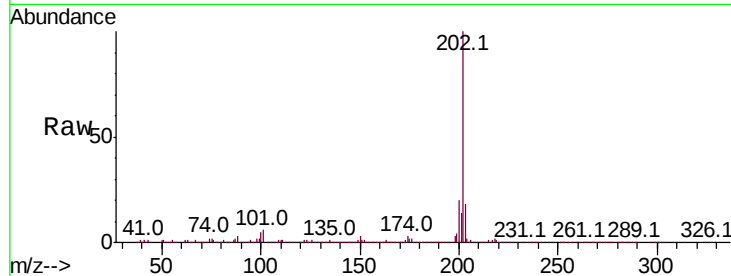
ClientSampleId :

A42C0

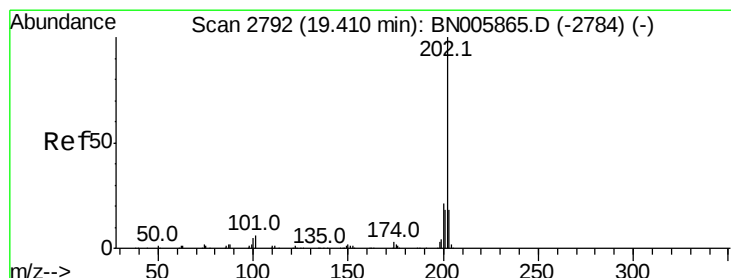
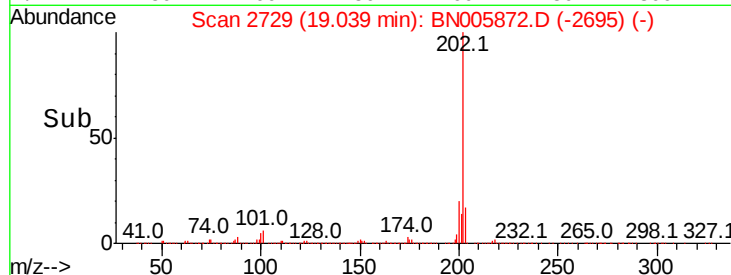
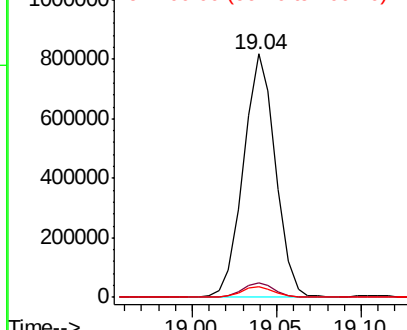
Tot Ion:	202	Resp:	1080217
Ion Ratio	Lower	Upper	
202	100		
101	6.0	8.6	12.8#
100	4.6	6.3	9.5#

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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: 25.007 ng/ul

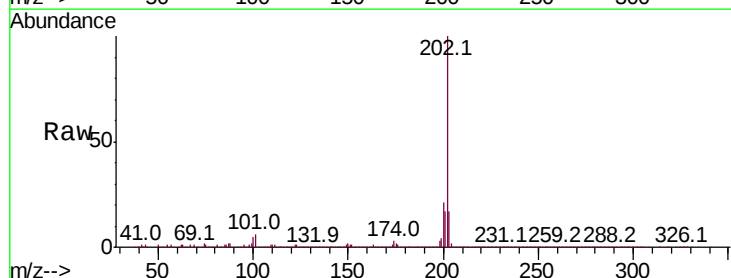
RT: 19.41 min Scan# 2792

Delta R.T. 0.01 min

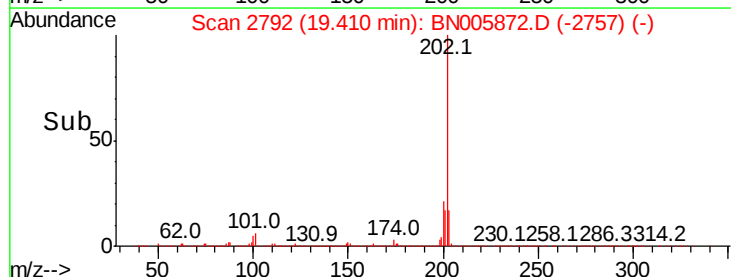
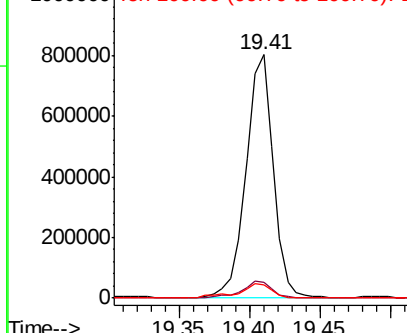
Lab File: BN005872.D

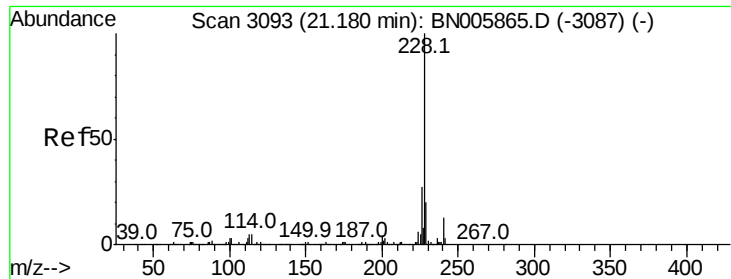
Acq: 23 May 2019 04:07

Tgt Ion:	202	Resp:	1087573
Ion Ratio	Lower	Upper	
202	100		
101	6.2	10.3	15.5#
100	5.5	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: 18.894 ng/ul

RT: 21.18 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Instrument :

BNA_N

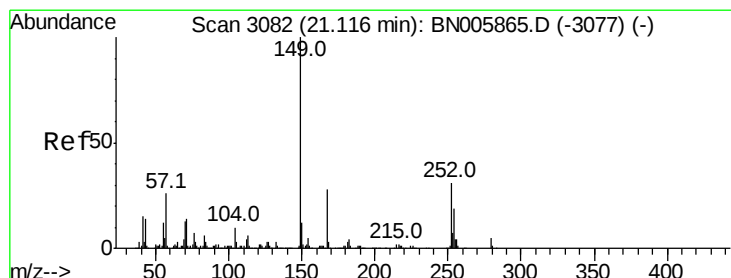
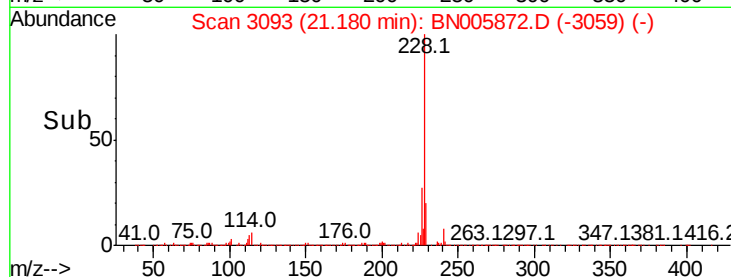
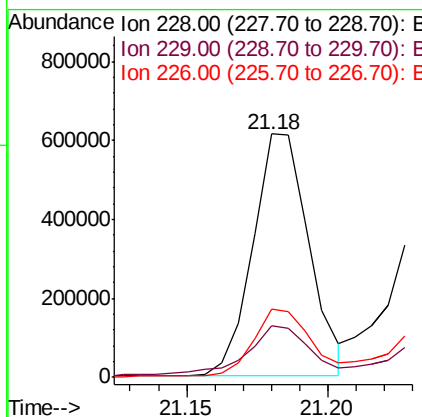
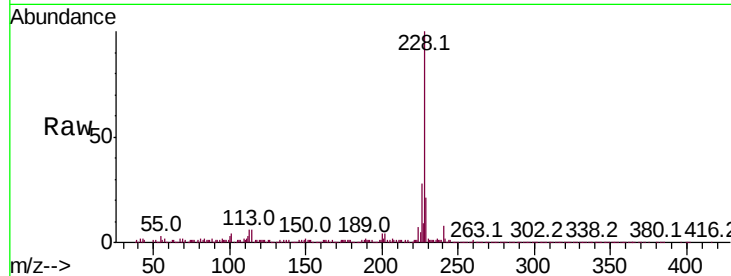
ClientSampleId :

A42C0

Tot Ion:	228	Resp:	842987
Ion Ratio	Lower	Upper	
228	100		
229	21.3	15.8	23.6
226	27.8	21.4	32.2

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.459 ng/ul

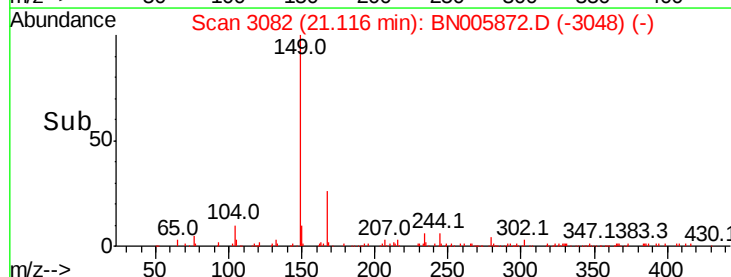
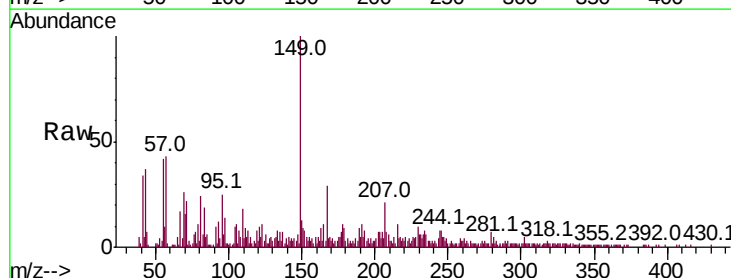
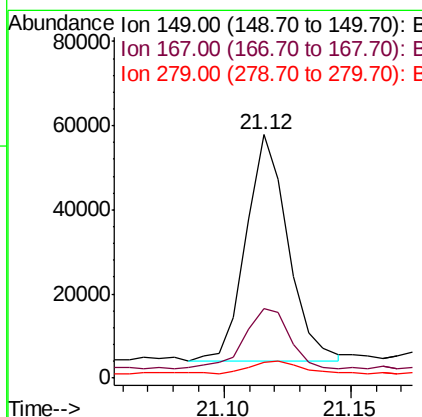
RT: 21.12 min Scan# 3082

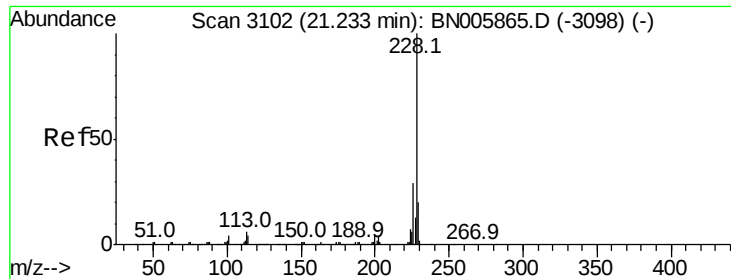
Delta R.T. -0.00 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Tgt Ion:	149	Resp:	62155
Ion Ratio	Lower	Upper	
149	100		
167	28.8	22.3	33.5
279	6.6	3.3	4.9#





#84

Chrysene

Concen: 17.668 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Instrument :

BNA_N

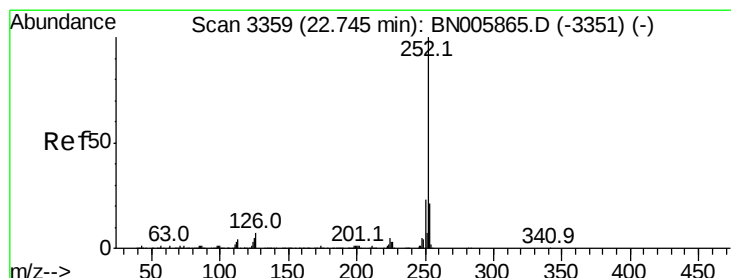
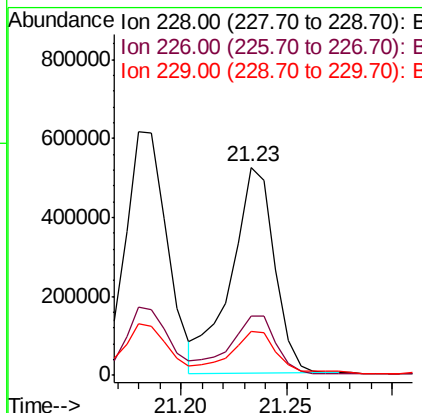
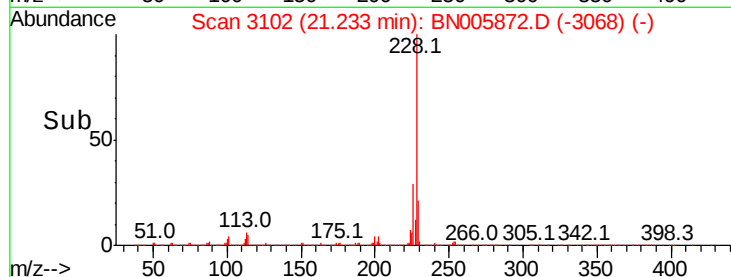
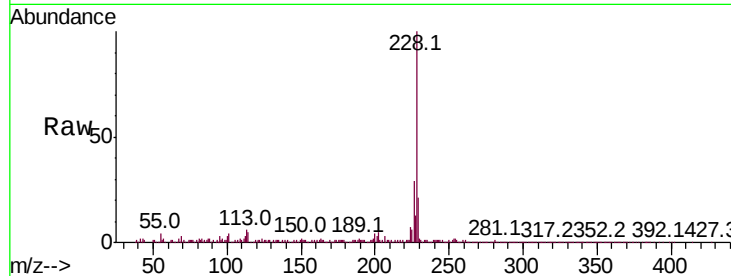
ClientSampleId :

A42C0

Tot Ion:	228	Resp:	743124
Ion Ratio	Lower	Upper	
228	100		
226	28.8	24.0	36.0
229	21.2	15.4	23.0

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#87

Benzo(b)fluoranthene

Concen: 24.376 ng/ul

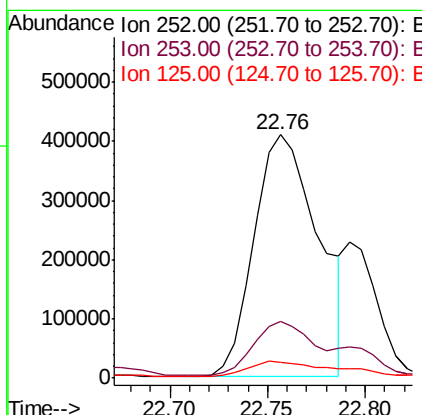
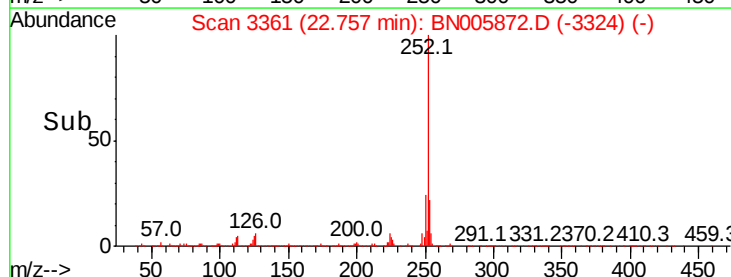
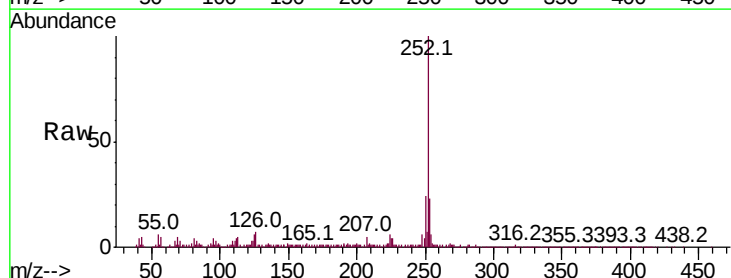
RT: 22.76 min Scan# 3361

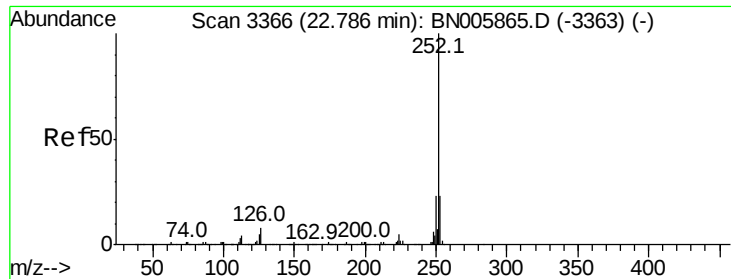
Delta R.T. 0.02 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Tgt Ion:	252	Resp:	934141
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.7	26.5
125	6.4	8.4	12.6





#88

Benzo(k)fluoranthene

Concen: 6.884 ng/ul m

RT: 22.79 min Scan# 3367

Delta R.T. 0.01 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Instrument :

BNA_N

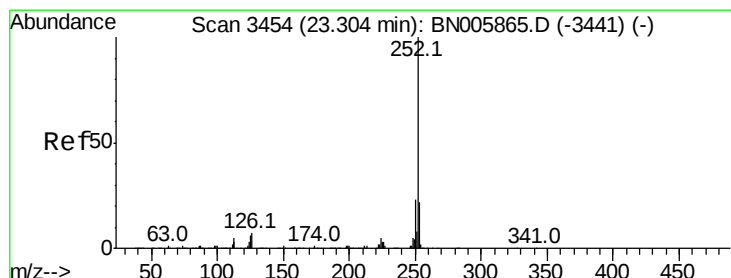
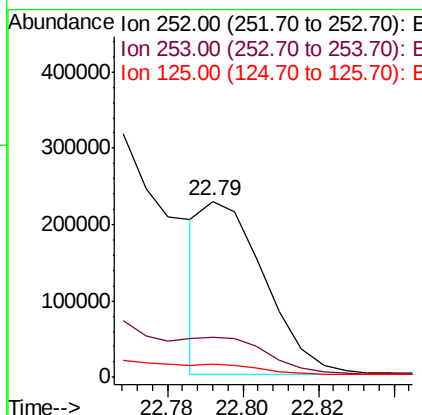
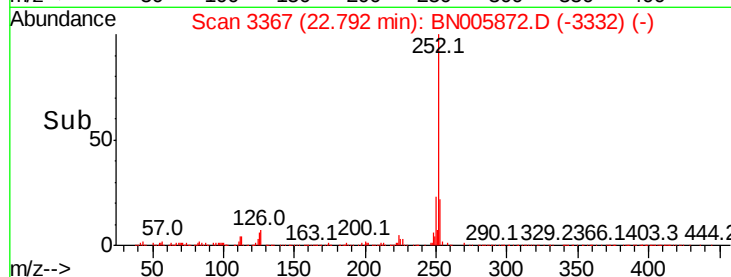
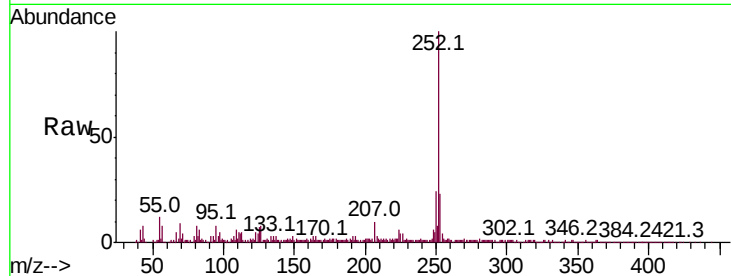
ClientSampleId :

A42C0

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	7.3	7.5	11.3#

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#90

Benzo(a)pyrene

Concen: 14.687 ng/ul m

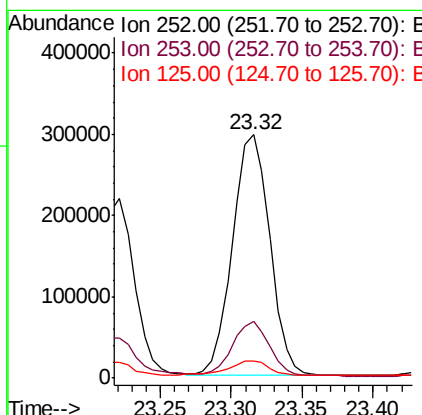
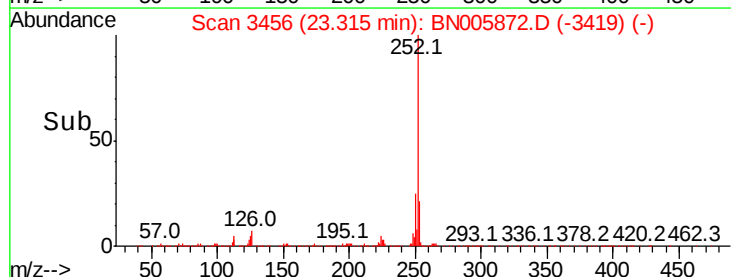
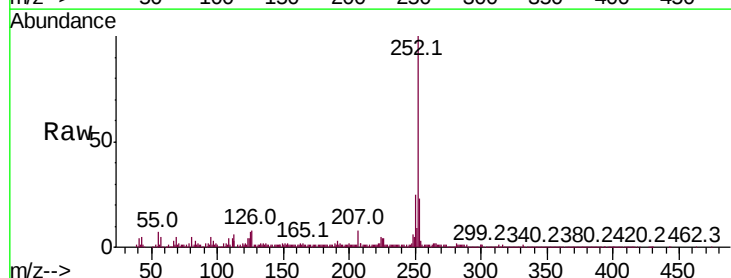
RT: 23.32 min Scan# 3456

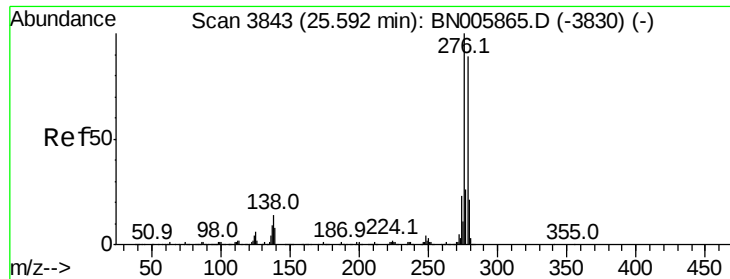
Delta R.T. 0.02 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	6.8	8.6	13.0#





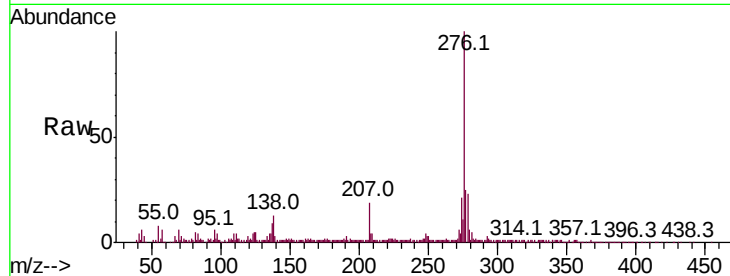
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 8.167 ng/ul
 RT: 25.60 min Scan# 3845
 Delta R.T. 0.02 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

Instrument :
 BNA_N
 ClientSampleId :
 A42C0

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.2	17.9	26.9#
277	25.2	19.7	29.5

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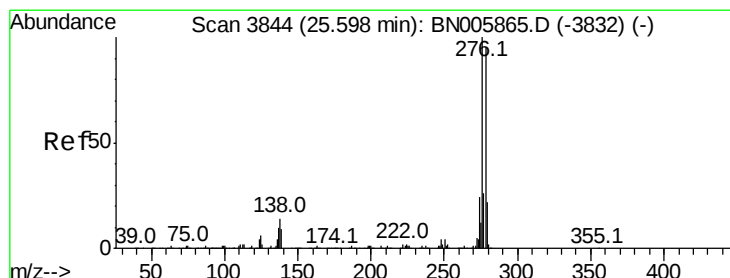
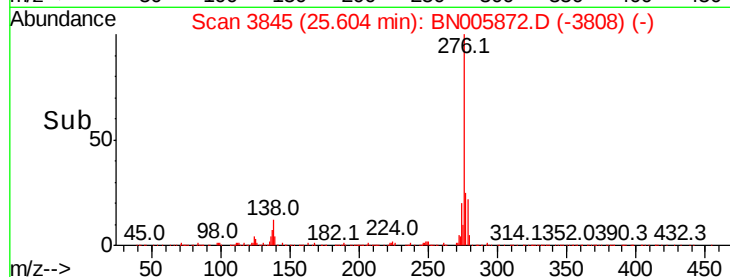
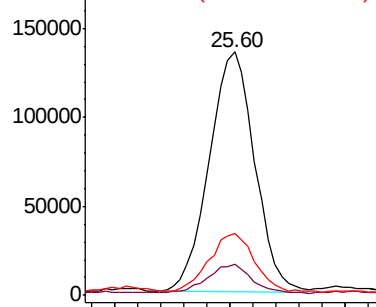


Abundance

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: 2.560 ng/ul
 RT: 25.60 min Scan# 3844
 Delta R.T. 0.01 min
 Lab File: BN005872.D
 Acq: 23 May 2019 04:07

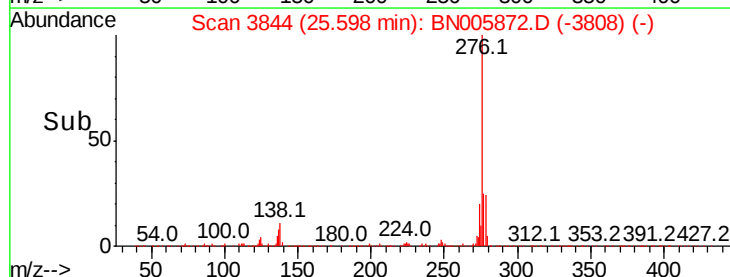
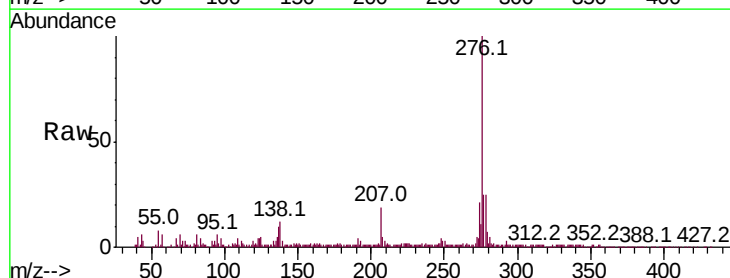
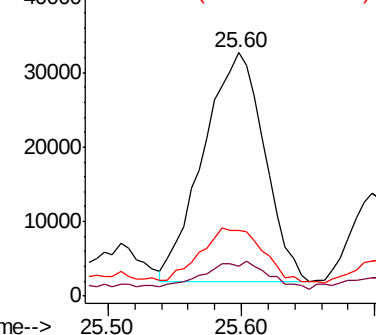
Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.2	13.1	19.7#
279	26.8	19.4	29.0

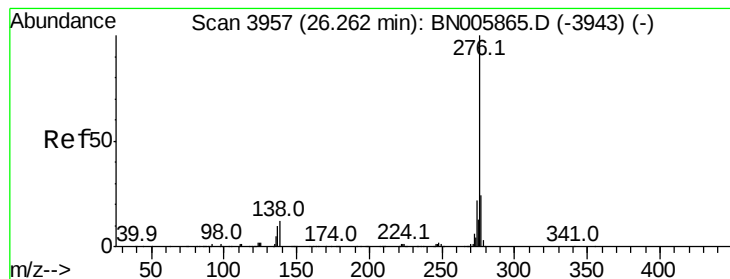
Abundance

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(a,h,i)perylene

Concen: 6.374 ng/ul

RT: 26.27 min Scan# 3959

Delta R.T. 0.02 min

Lab File: BN005872.D

Acq: 23 May 2019 04:07

Instrument :

BNA_N

ClientSampleId :

A42C0

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.3	16.7	25.1#
277	25.8	18.2	27.2

Manual Integrations
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