

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
 Data File : BN005871.D
 Acq On : 23 May 2019 03:32
 Operator : JU/SJ
 Sample : K2927-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42A7

Manual Integrations
 APPROVED

mohammad
 5/23/2019 3:31:23 PM

Quant Time: May 23 07:05:44 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	104976	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	428669	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	279133	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	703058	20.00	ng/ul	0.00
77) Chrysene-d12	21.19	240	609543	20.00	ng/ul	0.00
85) Perylene-d12	23.39	264	583386	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	5870	3.13	ng/uL	0.00
5) Phenol-d5	6.77	99	112695	13.89	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.91	67	66392	15.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	98989	15.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	86373	12.45	ng/ul	0.01
19) Nitrobenzene-d5	8.72	128	47502	15.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	51424	14.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	105492	15.38	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	43551m	5.72	ng/ul	0.03
43) Dimethylphthalate-d6	13.62	166	361665	16.84	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	446347	17.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	32272m	10.67	ng/ul	0.04
57) Fluorene-d10	15.20	176	336520	18.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	18575	4.40	ng/ul	0.02
70) Anthracene-d10	17.06	188	536843	17.68	ng/ul	0.00
78) Pyrene-d10	19.37	212	606157	20.18	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.25	264	455986	17.42	ng/ul	0.00

Target Compounds

				Ovalue	
44) Dimethylphthalate	13.67	163	105859	4.999	ng/ul 99
47) Acenaphthylene	13.92	152	34103	1.357	ng/ul# 96
49) Acenaphthene	14.26	153	21772	1.279	ng/ul 92
53) Dibenzofuran	14.62	168	25434	1.007	ng/ul 88
58) Fluorene	15.26	166	28067	1.366	ng/ul# 92
69) Phenanthrene	17.00	178	563471	16.168	ng/ul 99
71) Anthracene	17.10	178	131980	3.719	ng/ul 97
74) Carbazole	17.38	167	43433	1.388	ng/ul 98
76) Fluoranthene	19.03	202	929362	21.570	ng/ul# 88
79) Pyrene	19.40	202	807470	21.572	ng/ul# 85
82) Benzo(a)anthracene	21.17	228	430607	11.213	ng/ul 99
83) Bis(2-ethylhexyl)phthalate	21.11	149	281468	12.936	ng/ul# 98
84) Chrysene	21.23	228	378629	10.459	ng/ul 97
87) Benzo(b)fluoranthene	22.75	252	449335	14.000	ng/ul# 95
88) Benzo(k)fluoranthene	22.78	252	156566m	5.042	ng/ul
90) Benzo(a)pyrene	23.30	252	317946m	10.231	ng/ul
91) Indeno(1,2,3-cd)pyrene	25.59	276	203991	5.369	ng/ul# 90
92) Dibenz(a,h)anthracene	25.58	278	61119	1.911	ng/ul# 88
93) Benzo(g,h,i)perylene	26.26	276	162170	5.106	ng/ul# 87

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

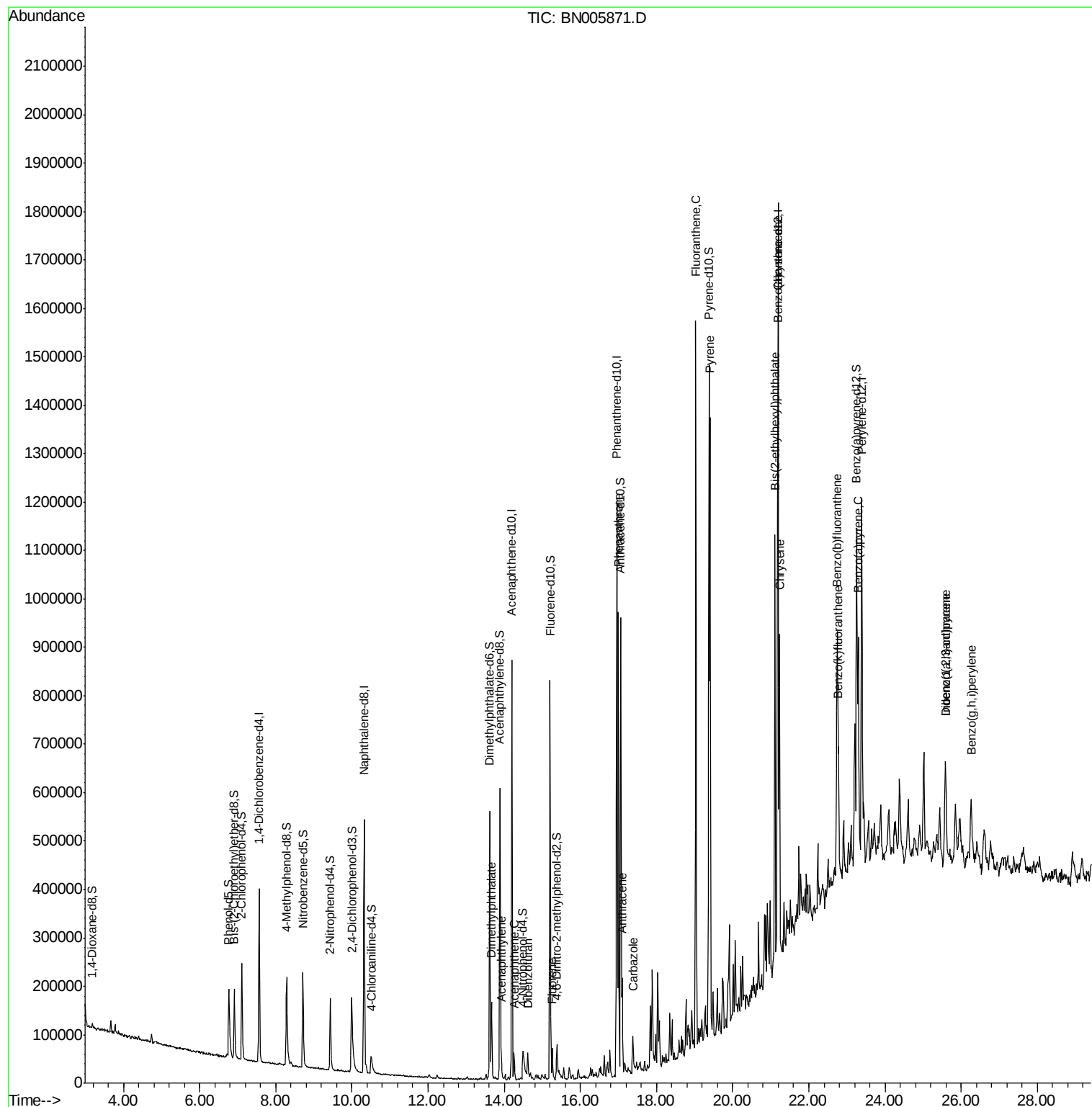
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005871.D
Acq On : 23 May 2019 03:32
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Sample : K2927-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

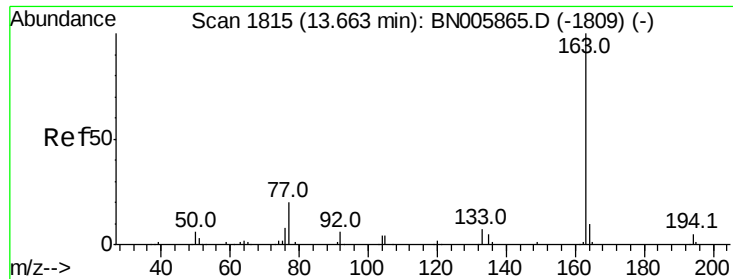
Instrument :
BNA_N
ClientSampleId :
A42A7

Quant Time: May 23 07:05:44 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
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#44

Dimethylphthalate

Concen: 4.999 ng/ul

RT: 13.67 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Instrument :

BNA_N

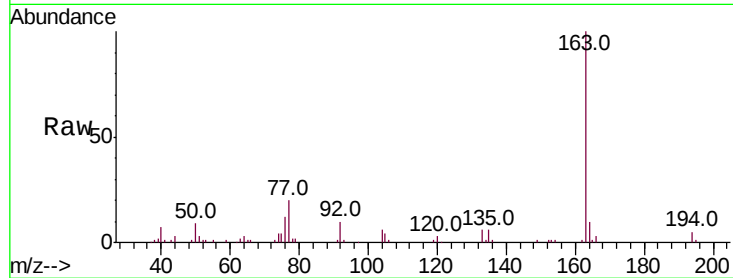
ClientSampleId :

A42A7

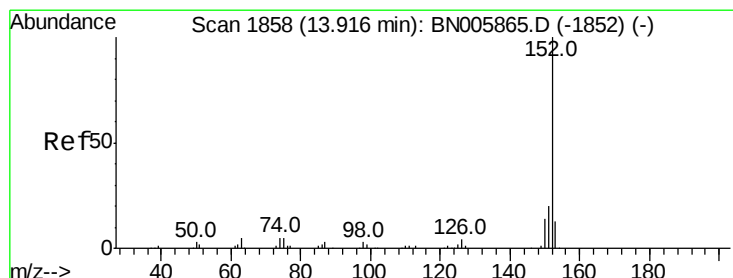
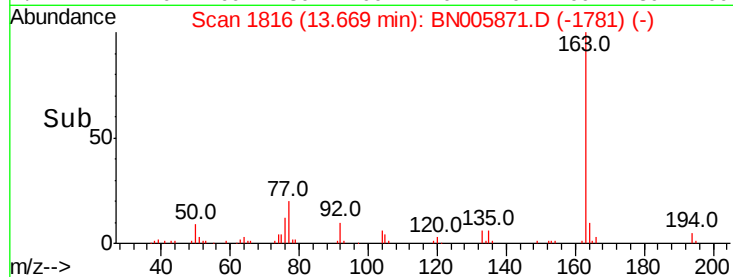
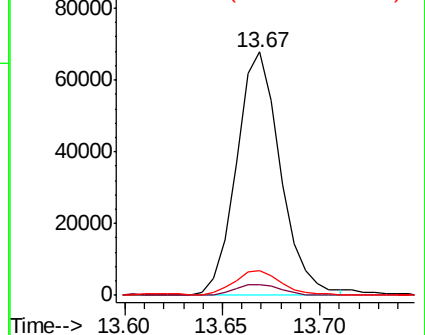
Tot Ion:	163	Resp:	105859
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.4	5.0
164	9.9	8.1	12.1

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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: 1.357 ng/ul

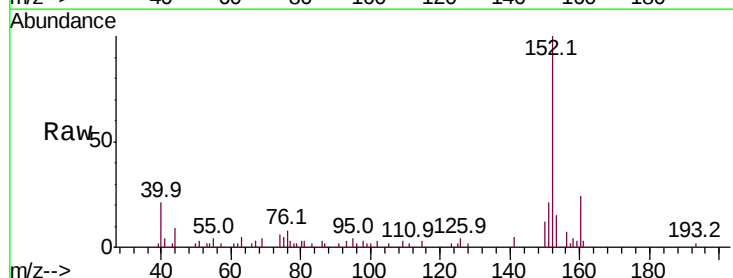
RT: 13.92 min Scan# 1859

Delta R.T. 0.01 min

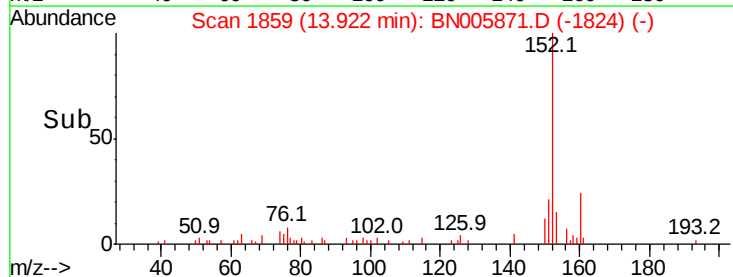
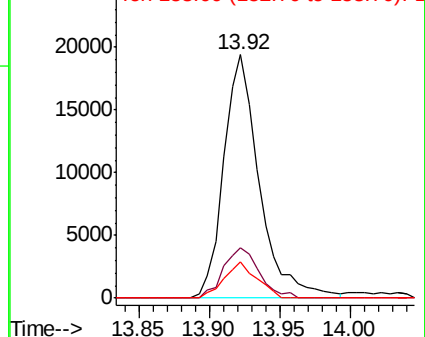
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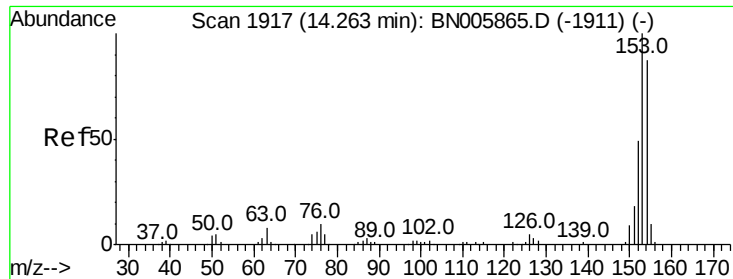
Acq: 23 May 2019 03:32

Tgt Ion:	152	Resp:	34103
Ion Ratio	Lower	Upper	
152	100		
151	20.8	15.8	23.8
153	15.1	9.8	14.8#



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: 1.279 ng/ul

RT: 14.26 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Instrument :

BNA_N

ClientSampleId :

A42A7

Tot Ion:153 Resp: 21772

Ion Ratio Lower Upper

153 100

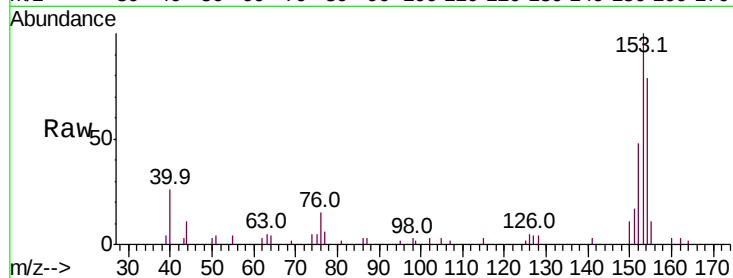
152 47.8 37.4 56.0

154 79.0 71.2 106.8

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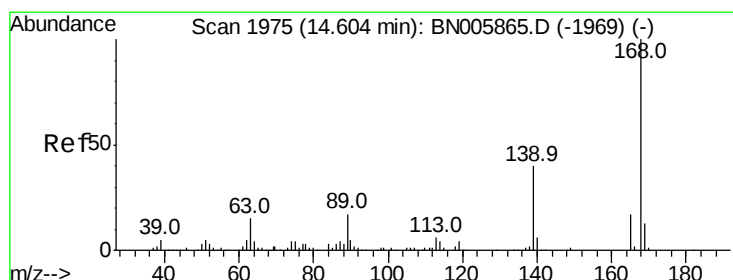
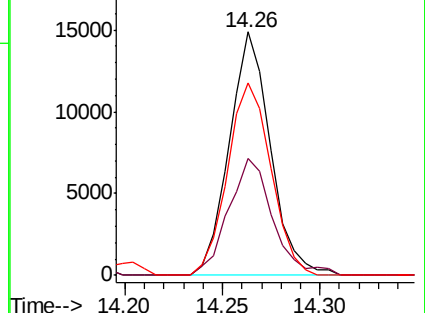
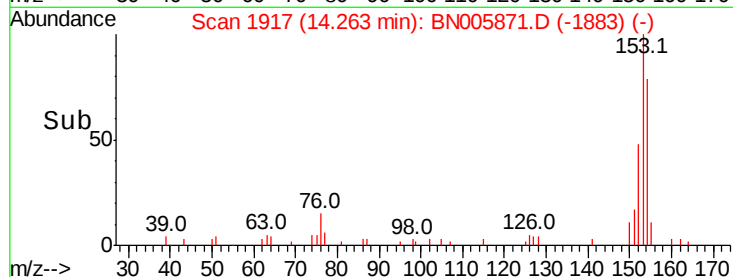
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.007 ng/ul

RT: 14.62 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BN005871.D

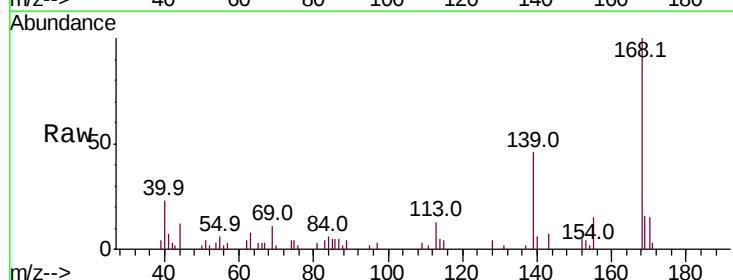
Acq: 23 May 2019 03:32

Tgt Ion:168 Resp: 25434

Ion Ratio Lower Upper

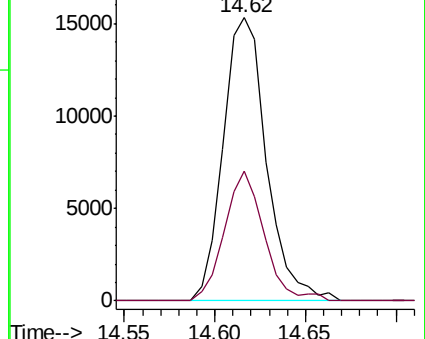
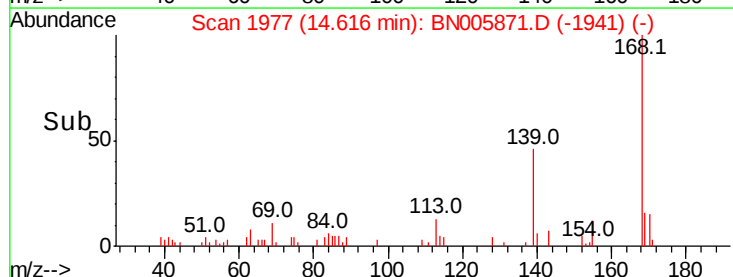
168 100

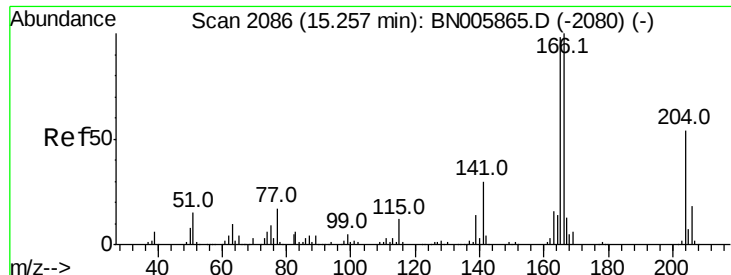
139 45.7 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





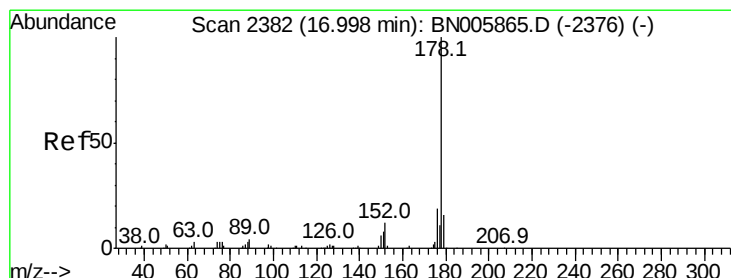
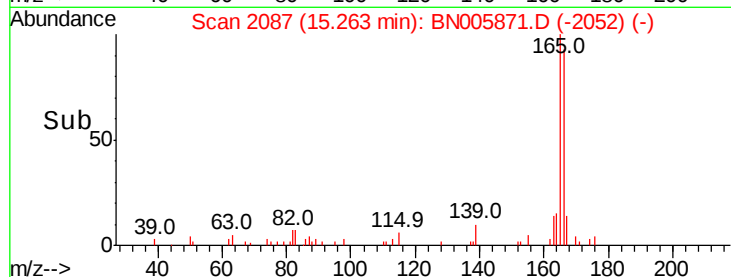
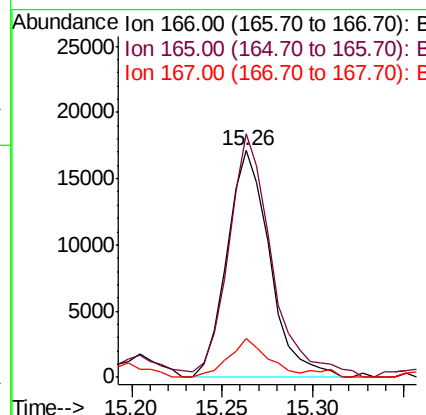
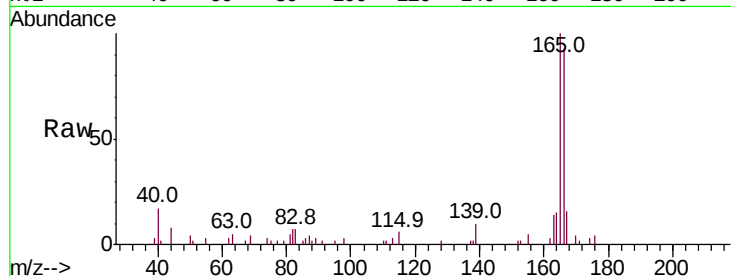
#58
Fluorene
 Concen: 1.366 ng/ul
 RT: 15.26 min Scan# 2087
 Delta R.T. 0.01 min
 Lab File: BN005871.D
 Acq: 23 May 2019 03:32

Instrument :
 BNA_N
 ClientSampleId :
 A42A7

Tot Ion	Ratio	Resp	Lower	Upper
166	100	28067		
165	107.3		80.0	120.0
167	17.4		10.7	16.1#

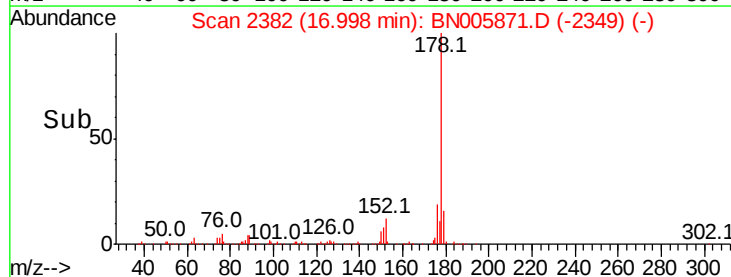
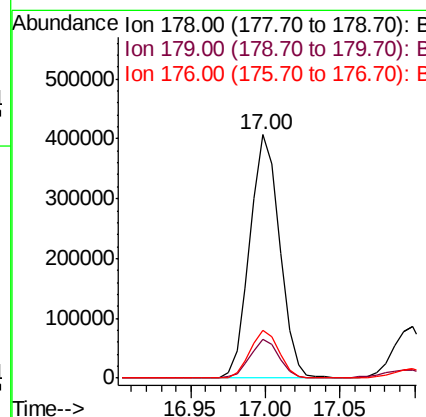
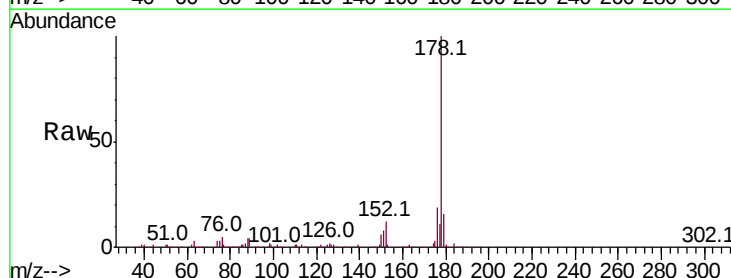
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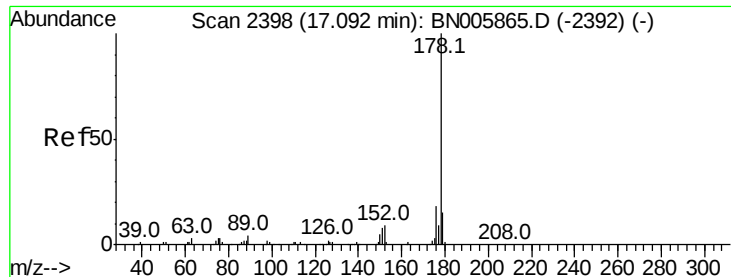
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#69
Phenanthrene
 Concen: 16.168 ng/ul
 RT: 17.00 min Scan# 2382
 Delta R.T. -0.01 min
 Lab File: BN005871.D
 Acq: 23 May 2019 03:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	563471		
179	15.9		12.2	18.4
176	19.4		15.1	22.7





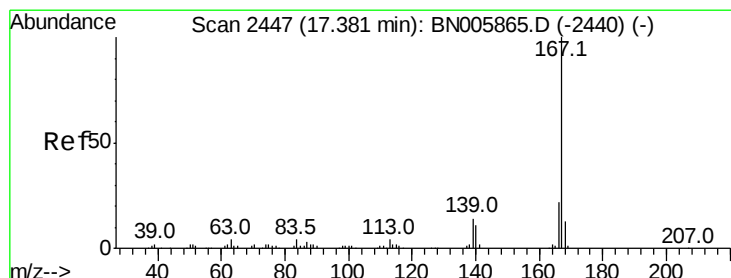
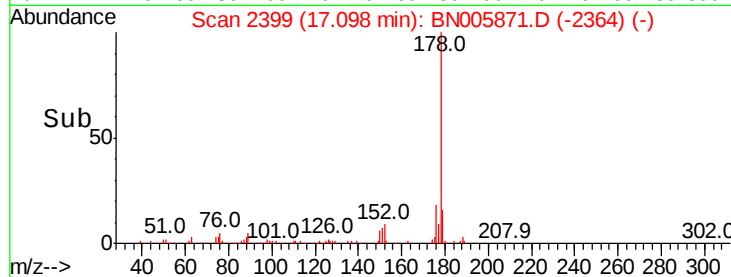
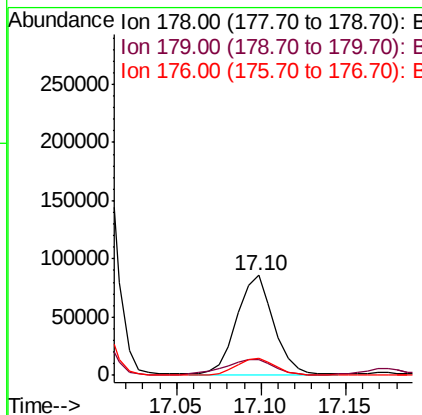
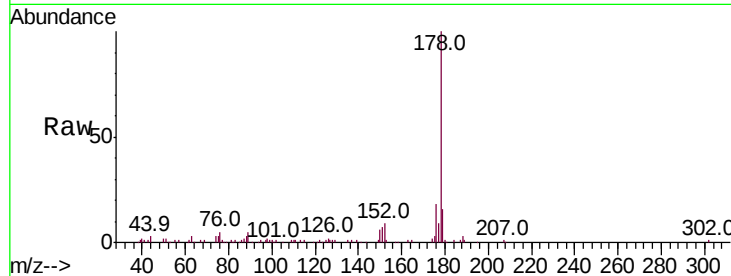
#71
 Anthracene
 Concen: 3.719 ng/ul
 RT: 17.10 min Scan# 2399
 Delta R.T. 0.01 min
 Lab File: BN005871.D
 Acq: 23 May 2019 03:32

Instrument :
 BNA_N
 ClientSampleId :
 A42A7

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.3	18.5
176	17.5	15.1	22.7

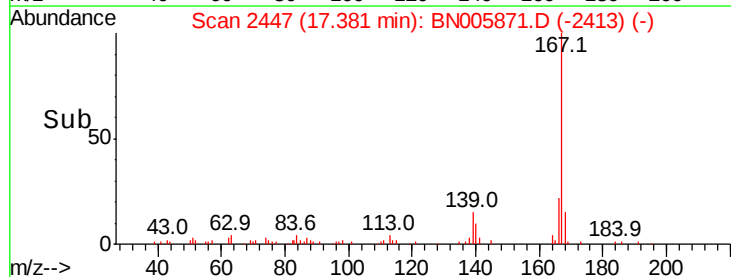
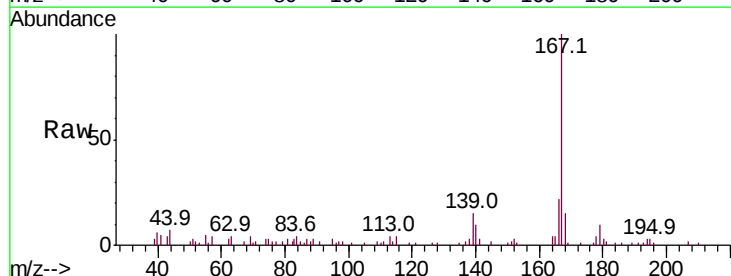
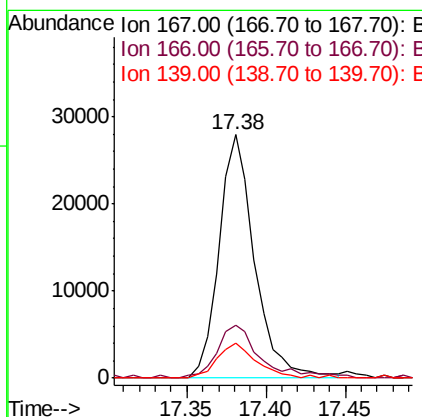
Manual Integrations
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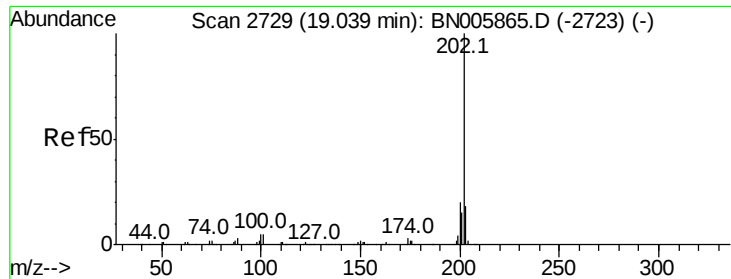
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#74
 Carbazole
 Concen: 1.388 ng/ul
 RT: 17.38 min Scan# 2447
 Delta R.T. 0.00 min
 Lab File: BN005871.D
 Acq: 23 May 2019 03:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.2	25.8
139	14.6	10.6	16.0





#76

Fluoranthene

Concen: 21.570 ng/ul

RT: 19.03 min Scan# 2728

Delta R.T. -0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Instrument :

BNA_N

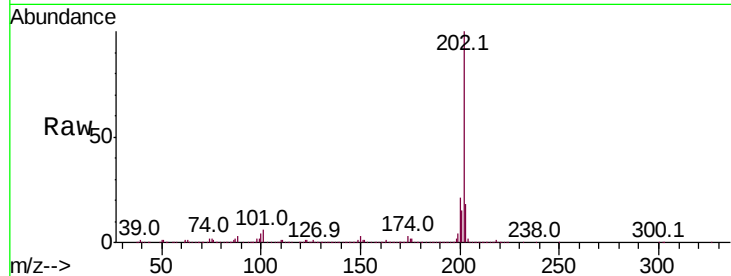
ClientSampleId :

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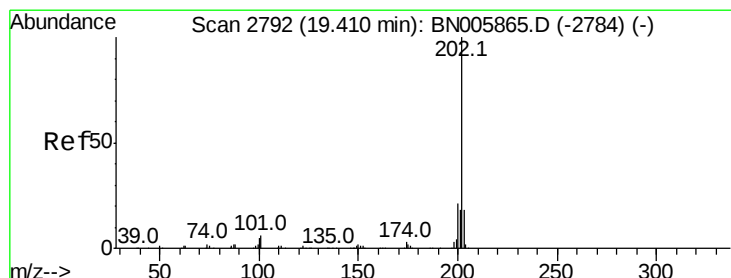
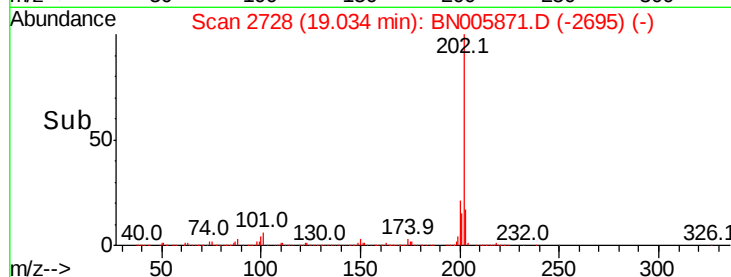
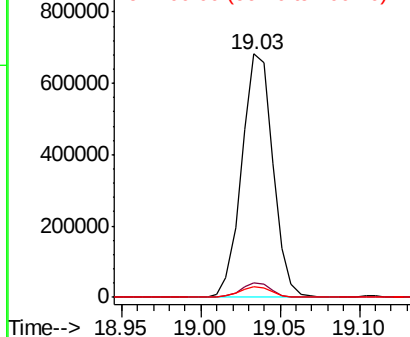
Tot Ion:	202	Resp:	929362
Ion Ratio	Lower	Upper	
202	100		
101	5.8	8.6	12.8#
100	4.5	6.3	9.5#

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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: 21.572 ng/ul

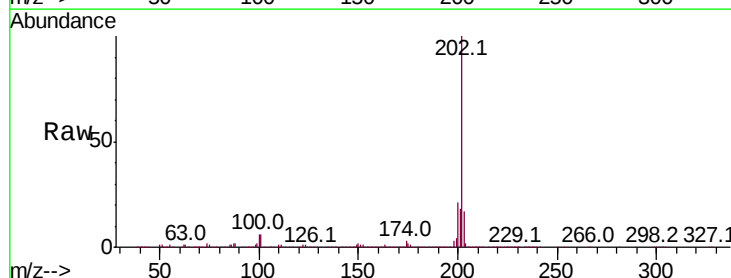
RT: 19.40 min Scan# 2791

Delta R.T. -0.00 min

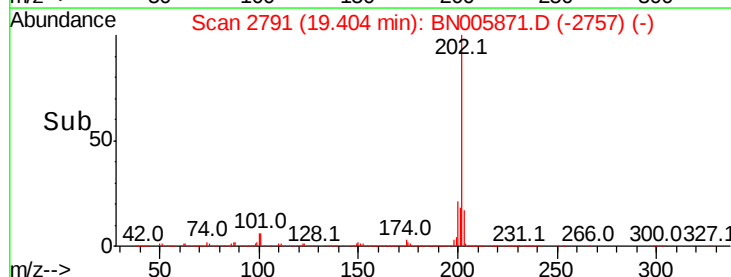
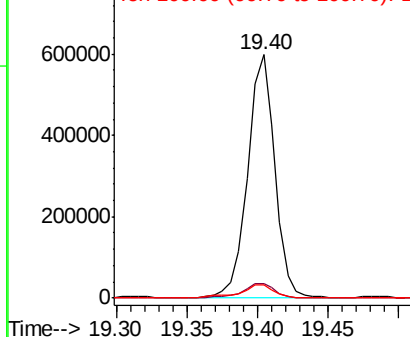
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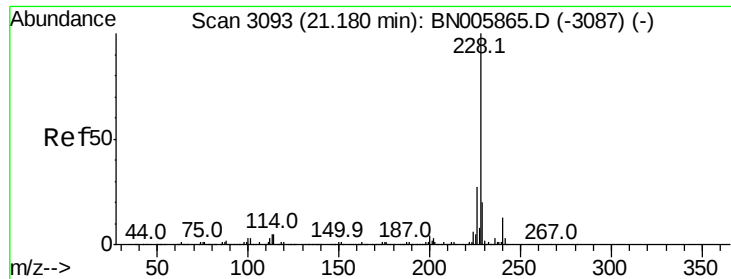
Acq: 23 May 2019 03:32

Tgt Ion:	202	Resp:	807470
Ion Ratio	Lower	Upper	
202	100		
101	6.2	10.3	15.5#
100	5.6	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





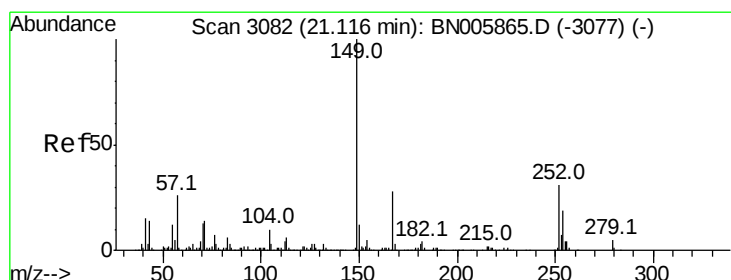
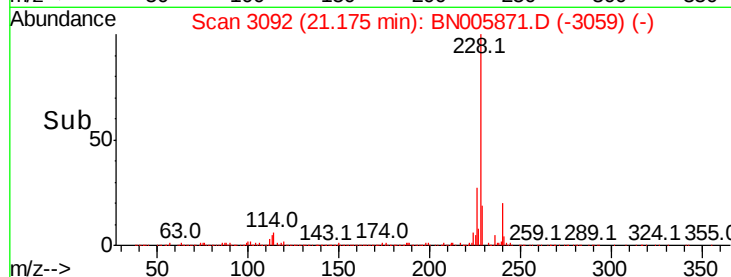
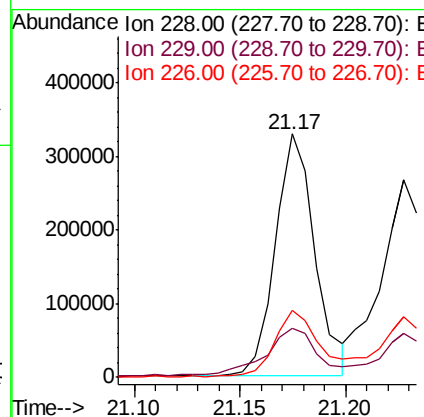
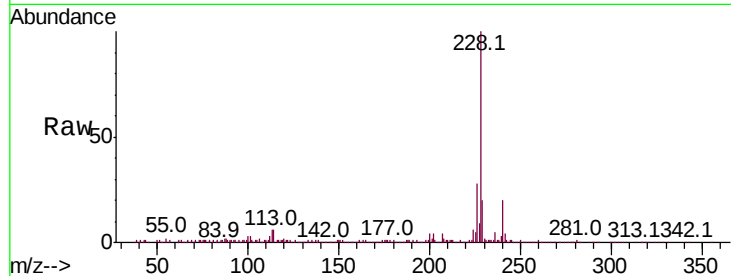
#82
Benzo(a)anthracene
Concen: 11.213 ng/ul
RT: 21.17 min Scan# 3092
Delta R.T. -0.01 min
Lab File: BN005871.D
Acq: 23 May 2019 03:32

Instrument :
BNA_N
ClientSampleId :
A42A7

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.8	23.6
226	27.5	21.4	32.2

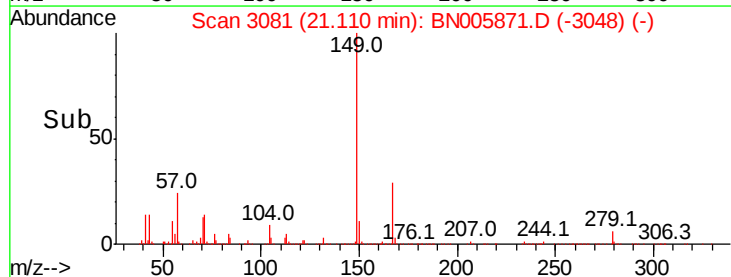
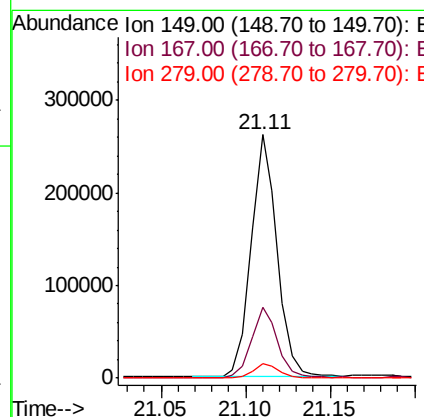
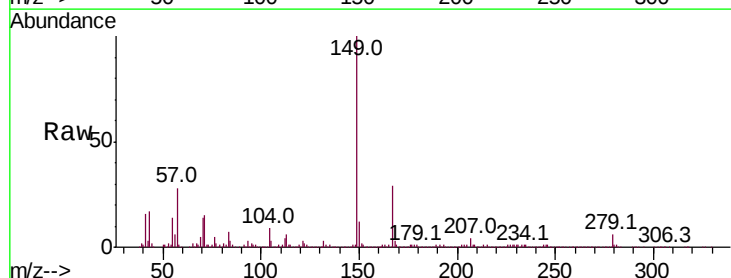
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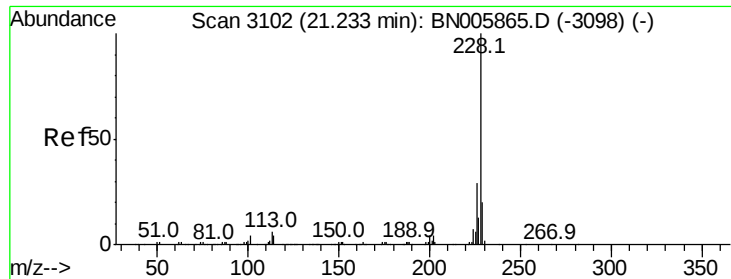
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#83
Bis(2-ethylhexyl)phthalate
Concen: 12.936 ng/ul
RT: 21.11 min Scan# 3081
Delta R.T. -0.01 min
Lab File: BN005871.D
Acq: 23 May 2019 03:32

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.0	22.3	33.5
279	5.7	3.3	4.9#





#84

Chrysene

Concen: 10.459 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Instrument :

BNA_N

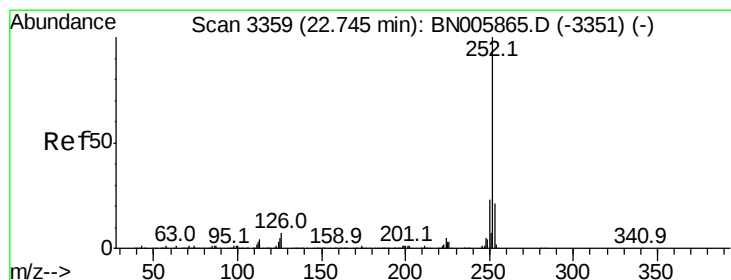
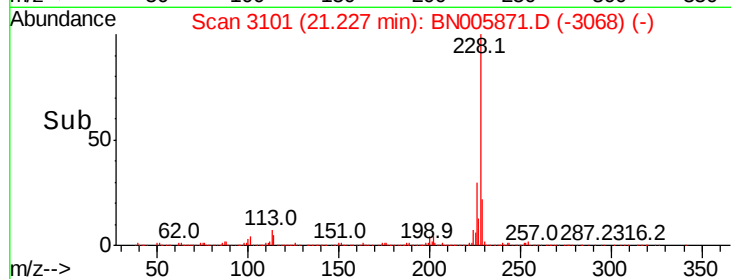
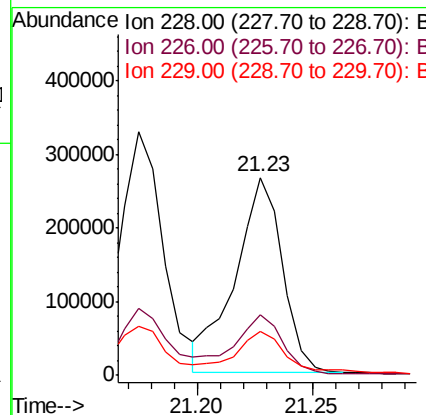
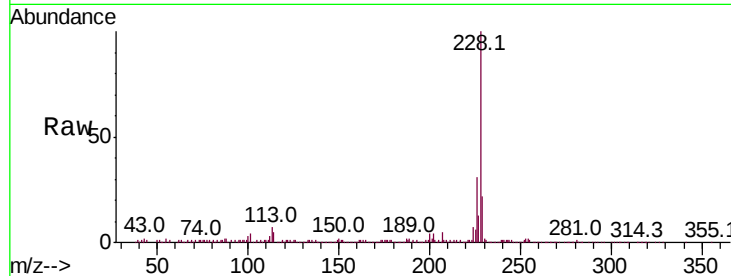
ClientSampleId :

A42A7

Tot Ion:	228	Resp:	378629
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.0	36.0
229	22.1	15.4	23.0

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#87

Benzo(b)fluoranthene

Concen: 14.000 ng/ul

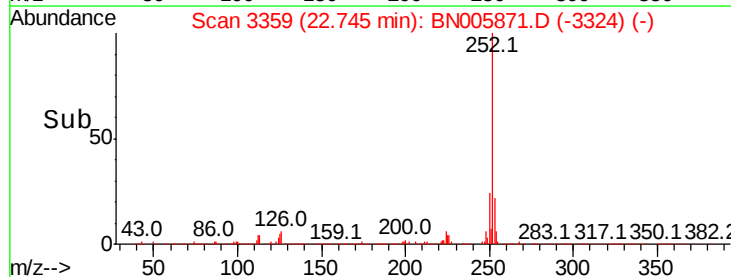
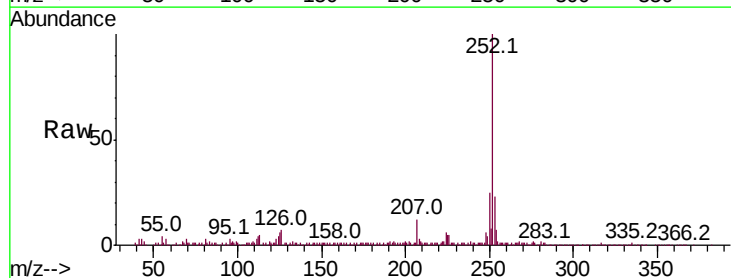
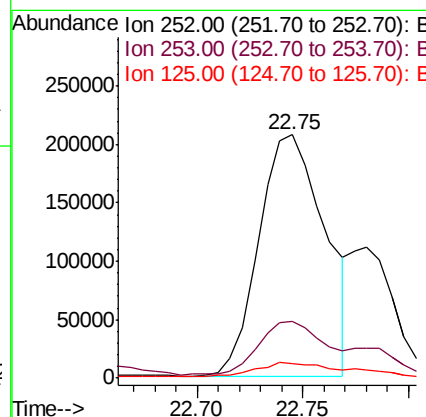
RT: 22.75 min Scan# 3359

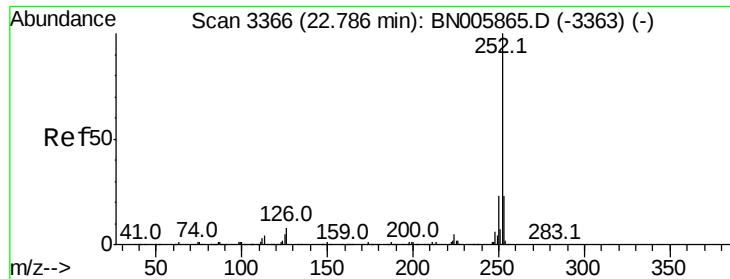
Delta R.T. 0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Tgt Ion:	252	Resp:	449335
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.7	26.5
125	6.2	8.4	12.6#





#88

Benzo(k)fluoranthene

Concen: 5.042 ng/ul m

RT: 22.78 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Instrument :

BNA_N

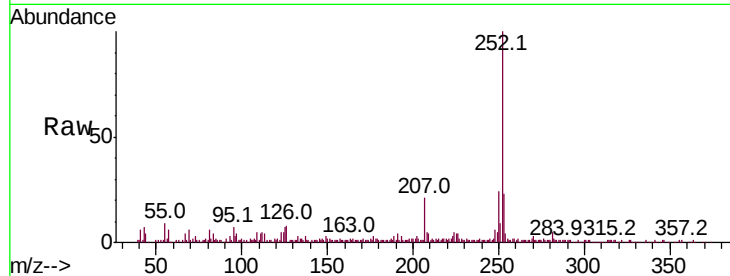
ClientSampleId :

A42A7

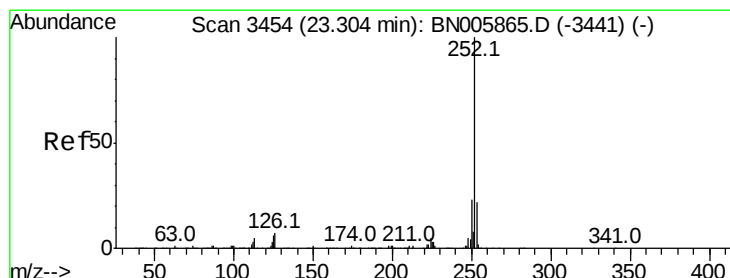
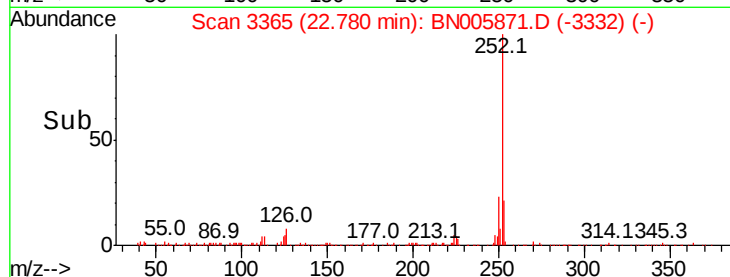
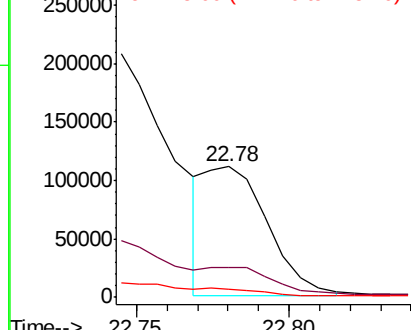
Tot Ion:	252	Resp:	156566
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	6.7	7.5	11.3#

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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



#90

Benzo(a)pyrene

Concen: 10.231 ng/ul m

RT: 23.30 min Scan# 3453

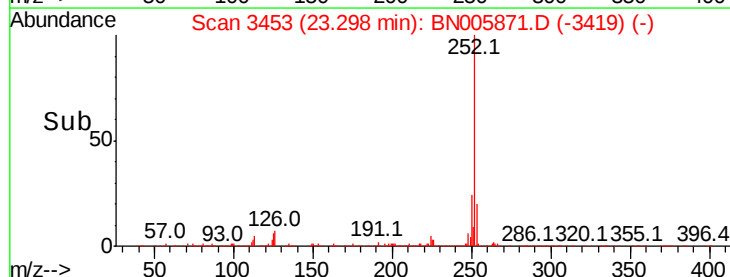
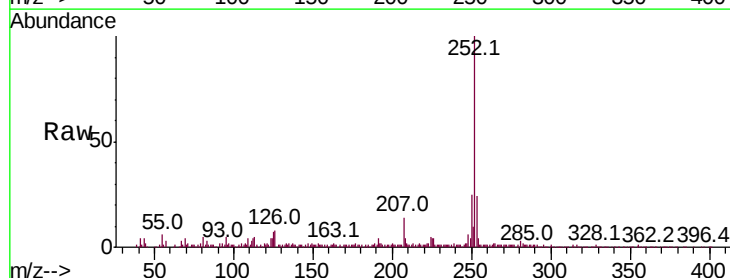
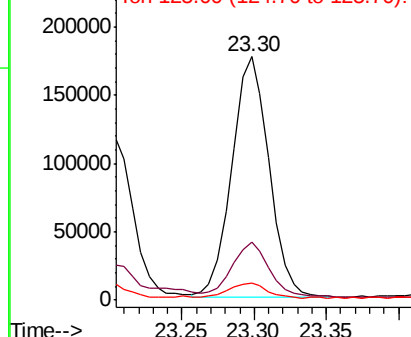
Delta R.T. 0.00 min

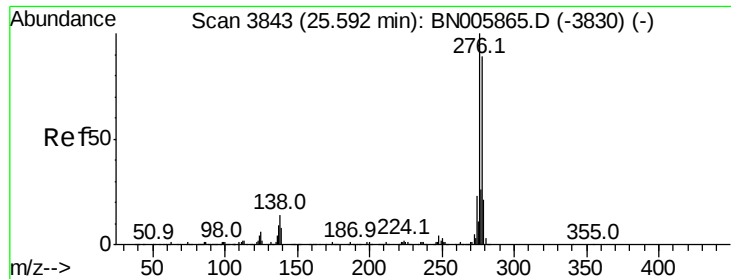
Lab File: BN005871.D

Acq: 23 May 2019 03:32

Tgt Ion:	252	Resp:	317946
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.3	25.9
125	7.1	8.6	13.0#

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





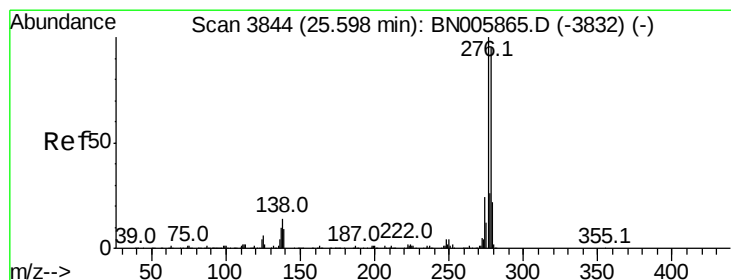
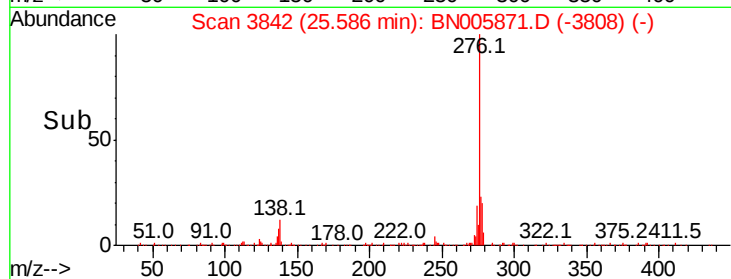
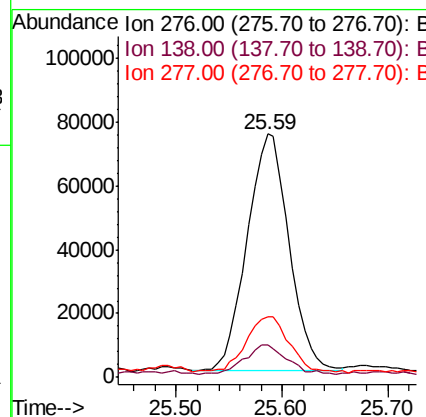
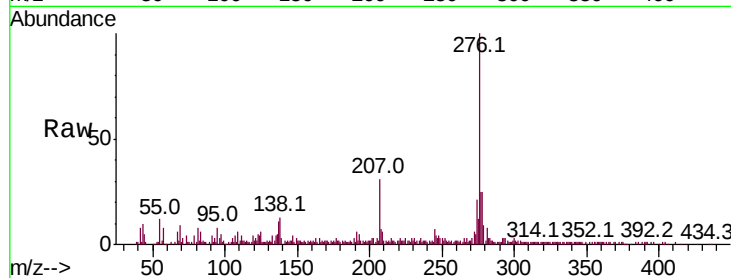
#91
Indeno(1,2,3-cd)pyrene
Concen: 5.369 ng/ul
RT: 25.59 min Scan# 3842
Delta R.T. -0.00 min
Lab File: BN005871.D
Acq: 23 May 2019 03:32

Instrument :
BNA_N
ClientSampleId :
A42A7

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.4	17.9	26.9#
277	25.1	19.7	29.5

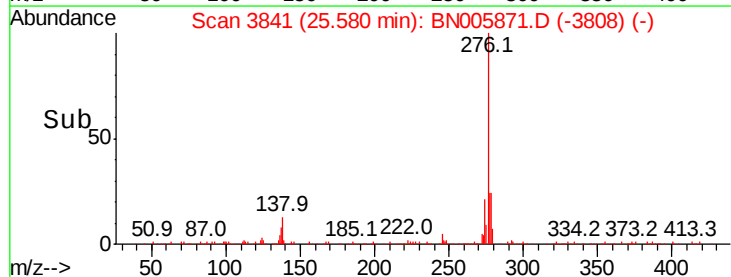
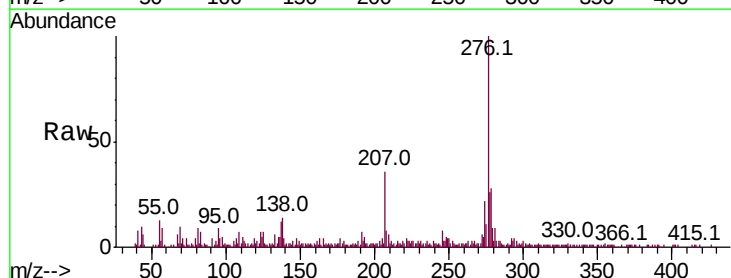
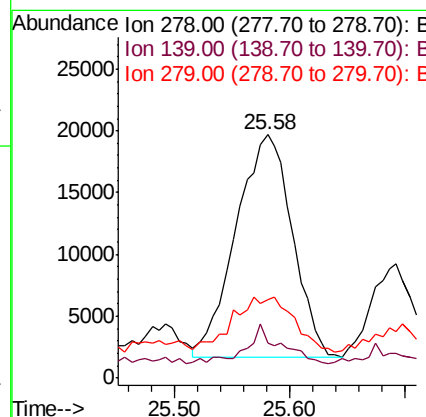
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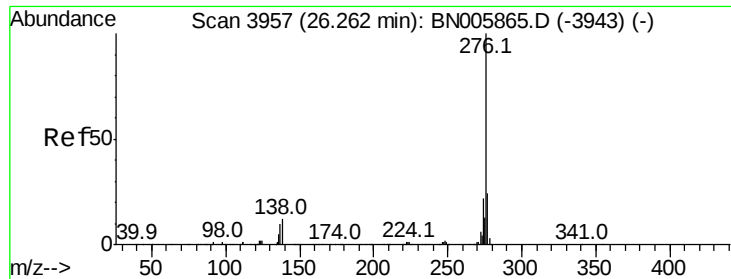
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#92
Dibenzo(a,h)anthracene
Concen: 1.911 ng/ul
RT: 25.58 min Scan# 3841
Delta R.T. -0.01 min
Lab File: BN005871.D
Acq: 23 May 2019 03:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.5	13.1	19.7
279	32.5	19.4	29.0#





#93

Benzo(a,h,i)perylene

Concen: 5.106 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. 0.00 min

Lab File: BN005871.D

Acq: 23 May 2019 03:32

Instrument :

BNA_N

ClientSampleId :

A42A7

Tot Ion: 276 Resp: 162170

Ion Ratio Lower Upper

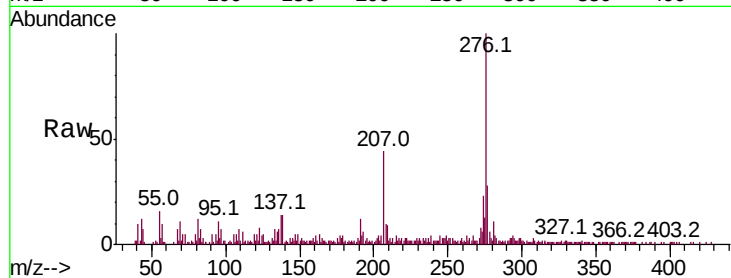
276 100

138 13.6 16.7 25.1#

277 28.1 18.2 27.2#

Manual Integrations
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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

