

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
 Data File : BN005862.D
 Acq On : 22 May 2019 21:45
 Operator : JU/SJ
 Sample : K2925-17
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42A2

Manual Integrations
 APPROVED

mohammad
 5/23/2019 3:30:59 PM

Quant Time: May 23 05:55:09 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	43941	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	199608	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	144567	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	410135	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	529391	20.00	ng/ul	0.00
85) Perylene-d12	23.40	264	666859	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	2595	3.31	ng/uL	0.00
5) Phenol-d5	6.77	99	62122	18.29	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.91	67	36416	20.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	52937	19.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	39878	13.73	ng/ul	0.02
19) Nitrobenzene-d5	8.72	128	26266	18.12	ng/ul	0.01
22) 2-Nitrophenol-d4	9.43	143	27932	16.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	59320m	18.58	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	55350m	15.61	ng/ul	0.02
43) Dimethylphthalate-d6	13.62	166	230861	20.75	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	276989	20.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	14978m	9.56	ng/ul	0.05
57) Fluorene-d10	15.20	176	212478	22.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	14814	6.01	ng/ul	0.02
70) Anthracene-d10	17.06	188	358979	20.26	ng/ul	0.00
78) Pyrene-d10	19.37	212	490006	18.78	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	626298	20.94	ng/ul	0.00

Target Compounds

				Ovalue	
4) Benzaldehyde	6.75	77	4240m	1.725	ng/ul
28) Naphthalene	10.37	128	12111	1.270	ng/ul# 96
44) Dimethylphthalate	13.67	163	64222	5.856	ng/ul 99
49) Acenaphthene	14.26	153	25697	2.914	ng/ul 100
53) Dibenzofuran	14.62	168	22709	1.736	ng/ul 98
58) Fluorene	15.26	166	29315	2.755	ng/ul 94
69) Phenanthrene	17.00	178	459643	22.609	ng/ul 99
71) Anthracene	17.10	178	95532	4.615	ng/ul 96
74) Carbazole	17.39	167	30514	1.672	ng/ul 97
76) Fluoranthene	19.04	202	535941	21.322	ng/ul# 88
79) Pyrene	19.40	202	496915	15.285	ng/ul# 86
82) Benzo(a)anthracene	21.18	228	269769	8.089	ng/ul 98
84) Chrysene	21.23	228	259525	8.255	ng/ul 97
87) Benzo(b)fluoranthene	22.75	252	301883	8.229	ng/ul# 96
88) Benzo(k)fluoranthene	22.79	252	116570m	3.284	ng/ul
90) Benzo(a)pyrene	23.30	252	239517	6.742	ng/ul# 94
91) Indeno(1,2,3-cd)pyrene	25.59	276	143838	3.312	ng/ul# 89
92) Dibenzo(a,h)anthracene	25.59	278	37591	1.028	ng/ul# 81
93) Benzo(g,h,i)perylene	26.26	276	121862	3.357	ng/ul# 91

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

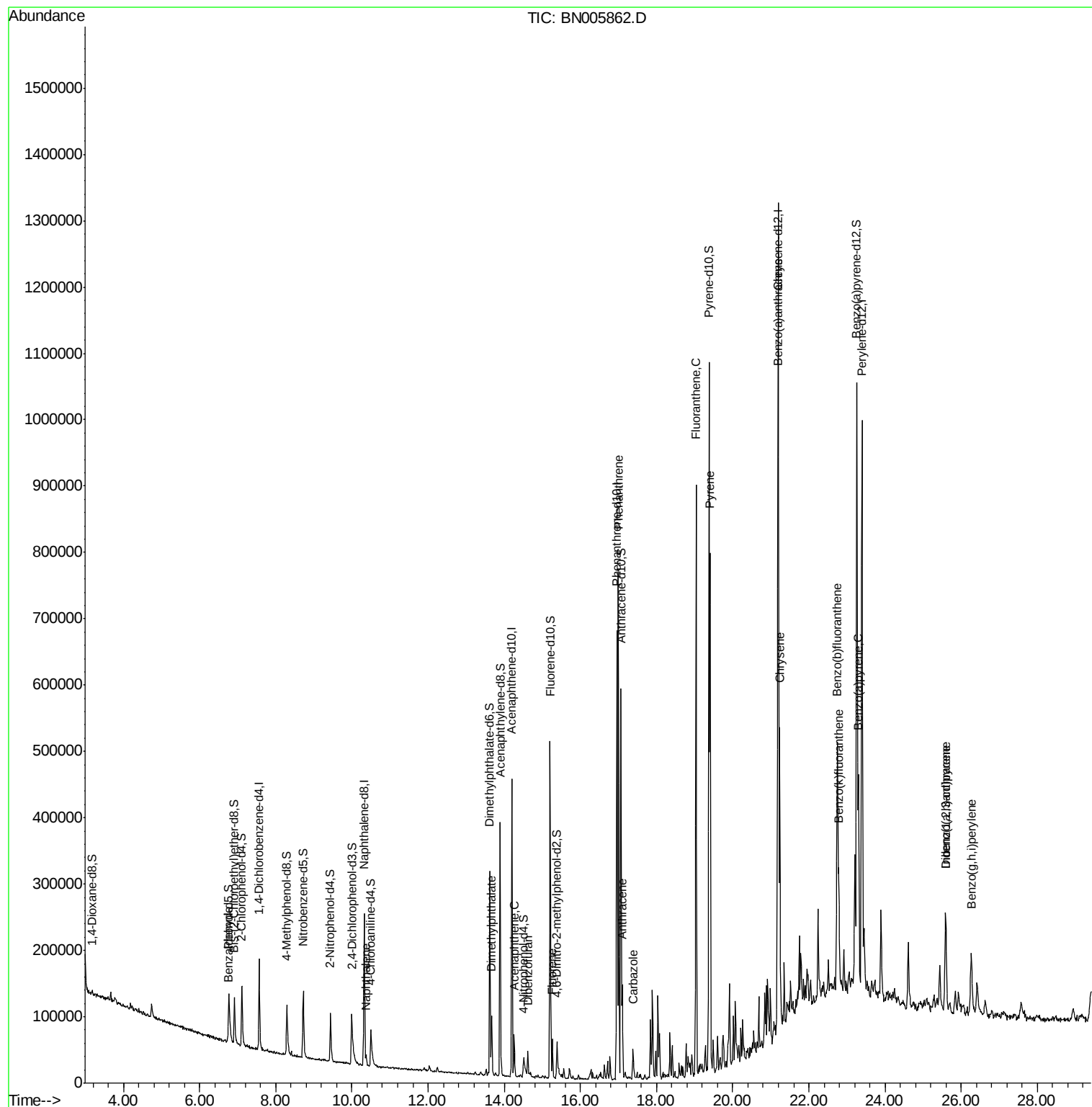
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052219\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

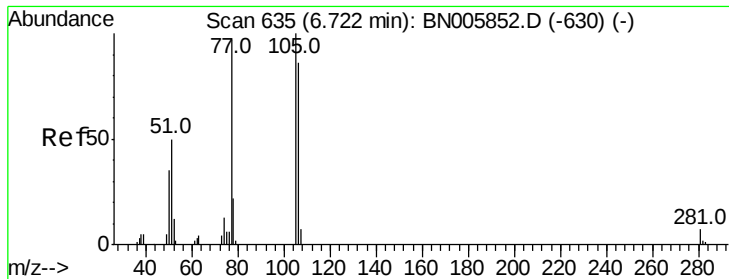
Instrument :
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.725 ng/ul m

RT: 6.75 min Scan# 639

Delta R.T. 0.02 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

Instrument :

BNA_N

ClientSampled :

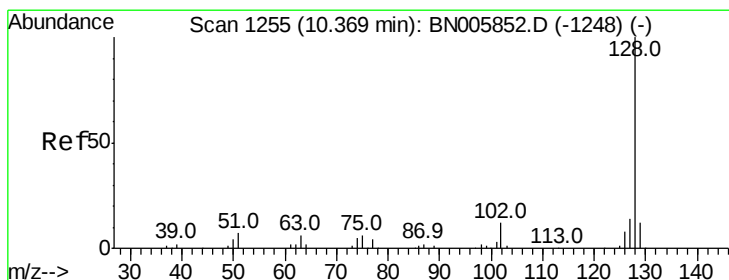
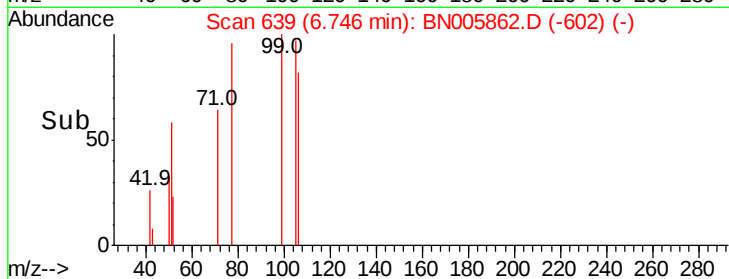
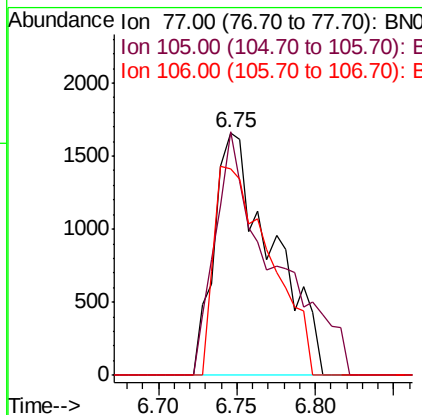
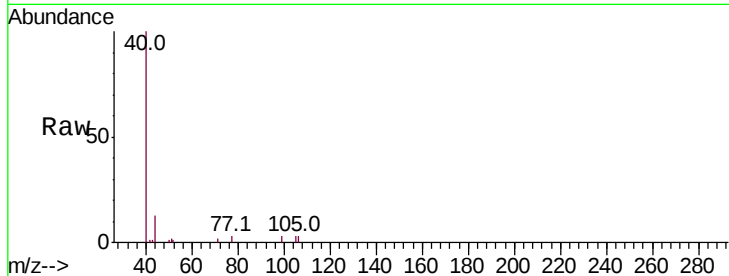
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Tot Ion	Ratio	Lower	Upper
77	100		
105	100.5	77.4	116.2
106	85.1	76.3	114.5



#28

Naphthalene

Concen: 1.270 ng/ul

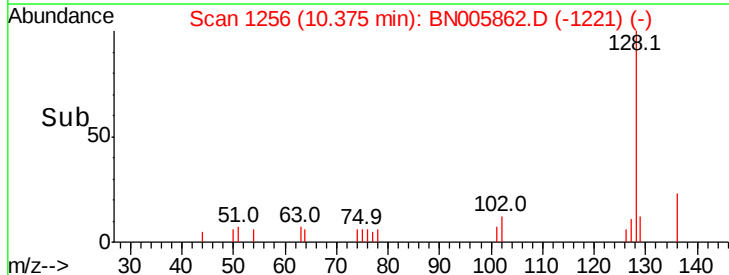
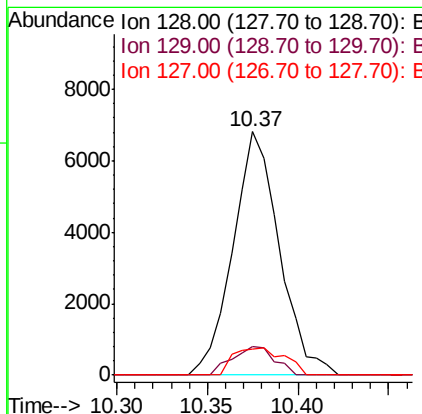
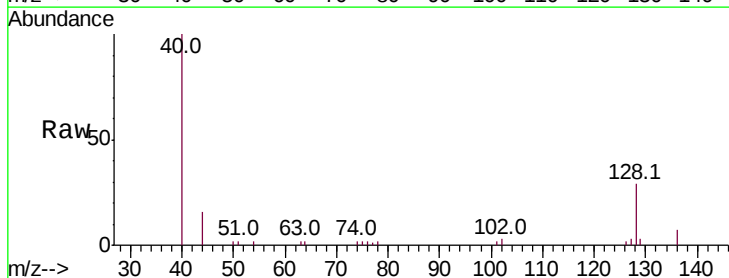
RT: 10.37 min Scan# 1256

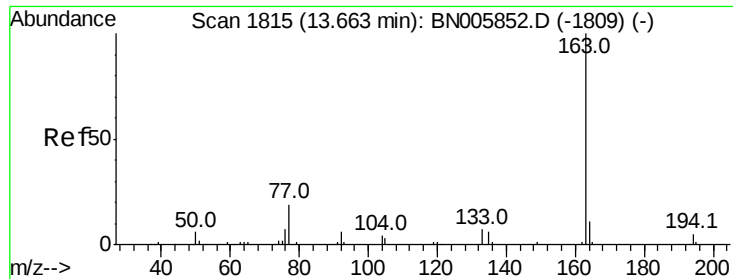
Delta R.T. 0.01 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.2	13.8
127	10.5	10.7	16.1#





#44

Dimethylphthalate

Concen: 5.856 ng/ul

RT: 13.67 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

Instrument :

BNA_N

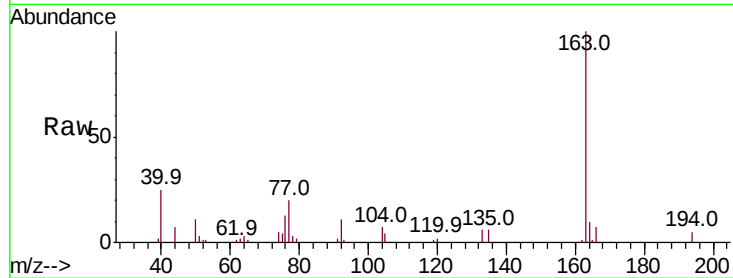
ClientSampled :

A42A2

Tot Ion:	163	Resp:	64222
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.4	5.0
164	10.4	8.1	12.1

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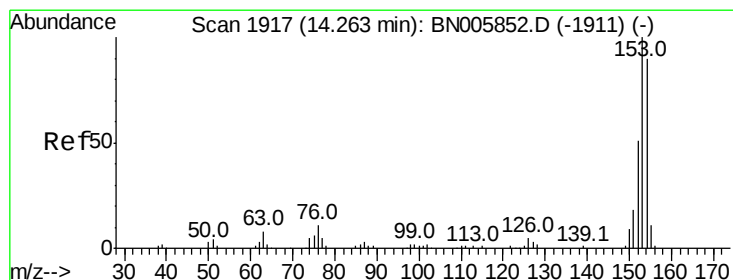
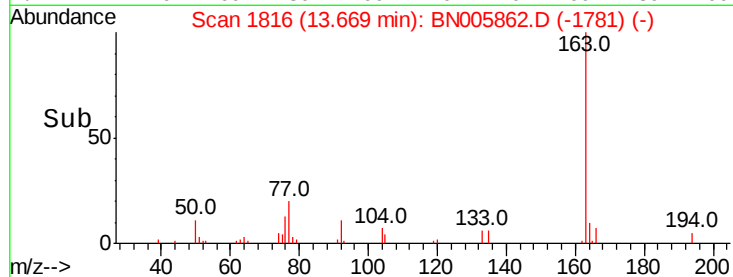
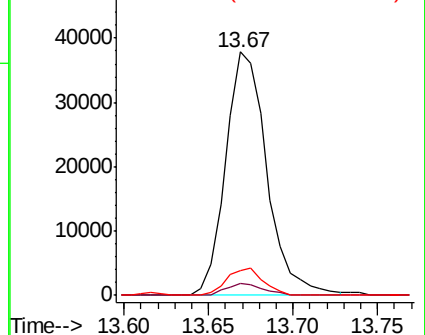


Abundance

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



#49

Acenaphthene

Concen: 2.914 ng/ul

RT: 14.26 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

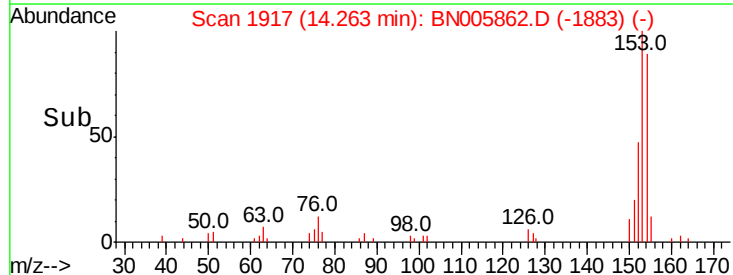
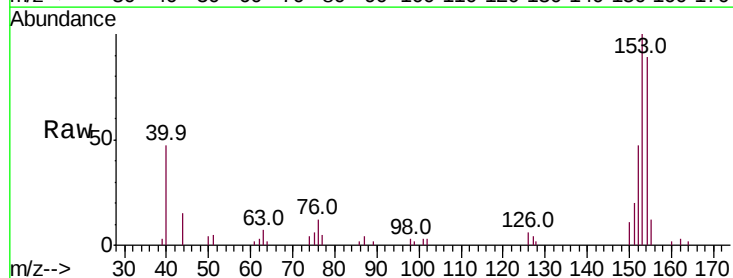
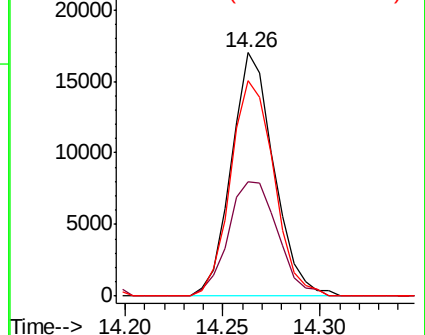
Tgt Ion:	153	Resp:	25697
Ion Ratio	Lower	Upper	
153	100		
152	46.7	37.4	56.0
154	88.5	71.2	106.8

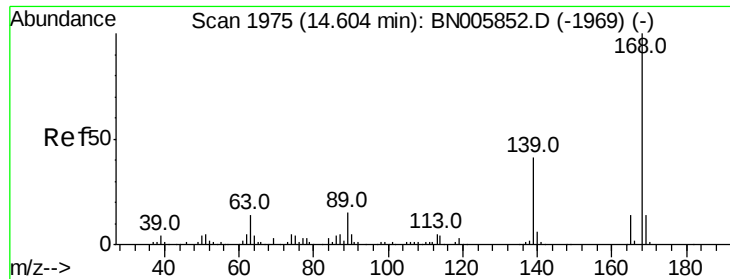
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.736 ng/ul

RT: 14.62 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

Instrument :

BNA_N

ClientSampleId :

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Tot Ion:168 Resp: 22709

Ion Ratio Lower Upper

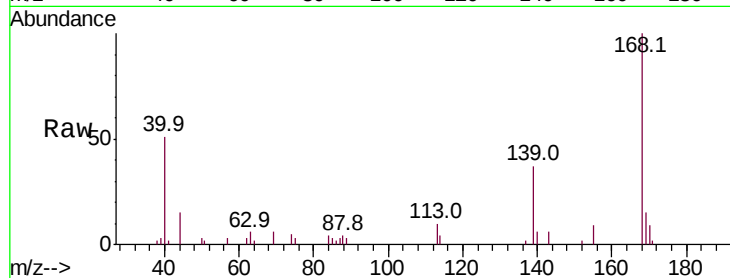
168 100

139 37.4 30.9 46.3

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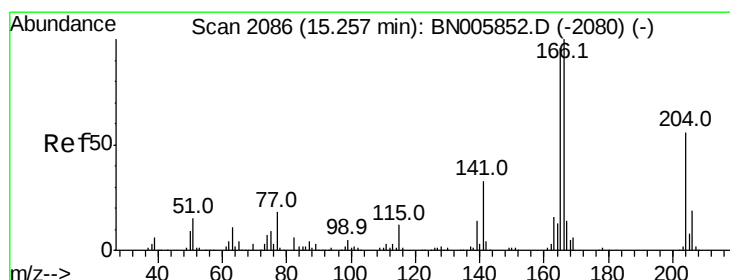
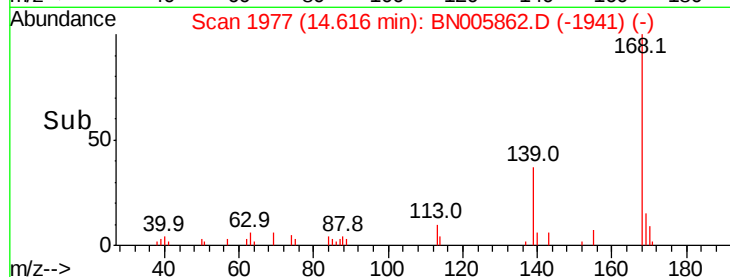
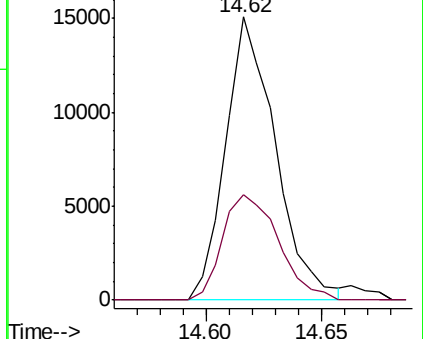
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 2.755 ng/ul

RT: 15.26 min Scan# 2087

Delta R.T. 0.01 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

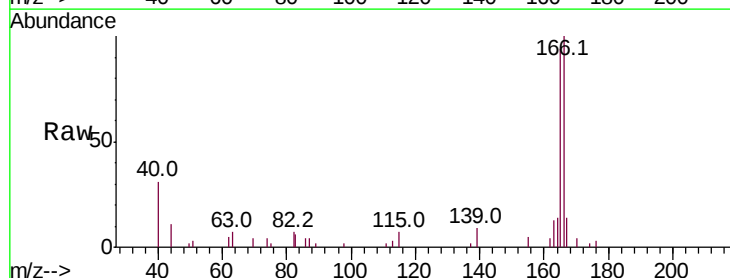
Tgt Ion:166 Resp: 29315

Ion Ratio Lower Upper

166 100

165 94.0 80.0 120.0

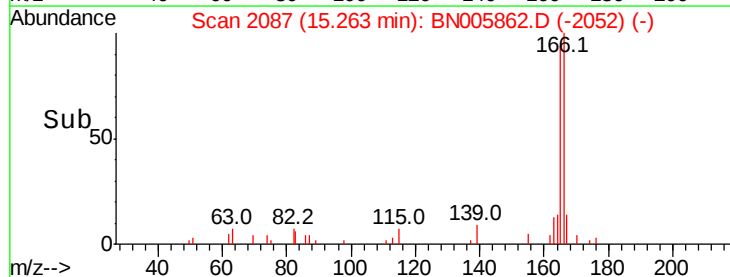
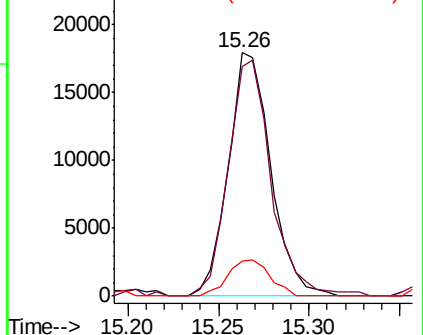
167 14.3 10.7 16.1

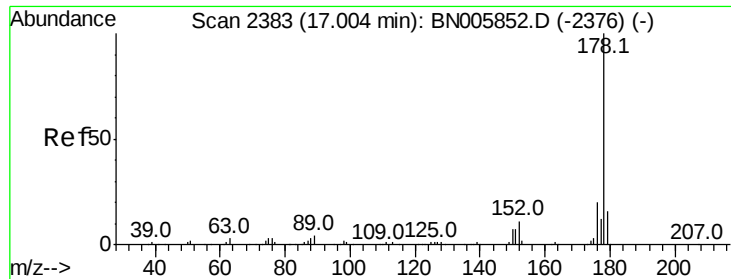


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 22.609 ng/ul

RT: 17.00 min Scan# 2382

Delta R.T. -0.01 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

Instrument :

BNA_N

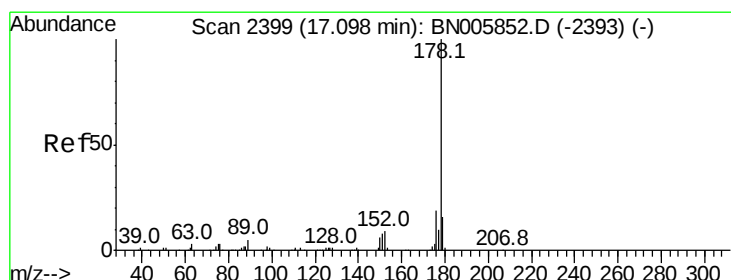
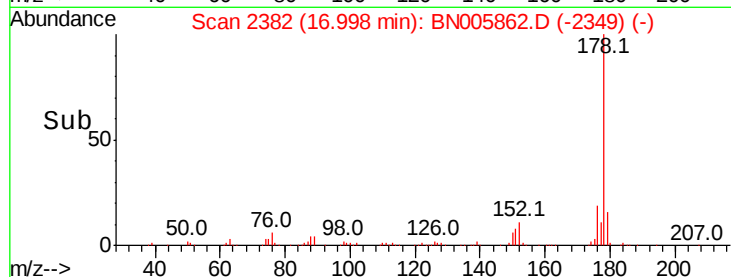
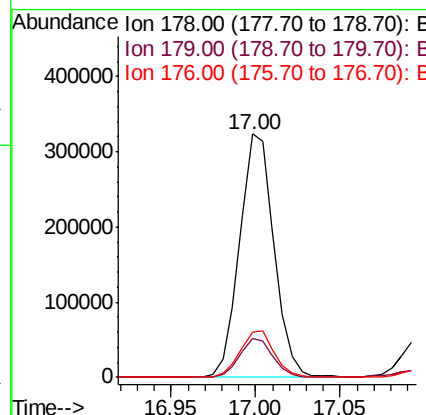
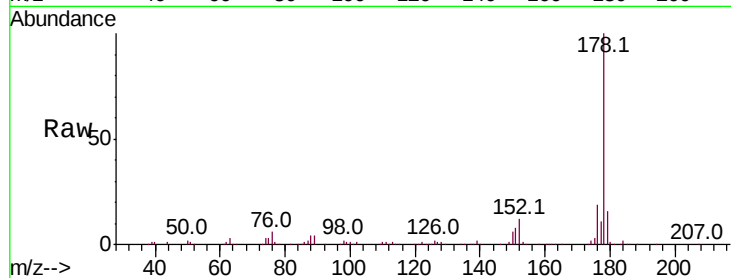
ClientSampleId :

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Tot Ion:178	Resp:	459643
Ion Ratio	Lower	Upper
178	100	
179	15.8	12.2 18.4
176	18.7	15.1 22.7

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#71

Anthracene

Concen: 4.615 ng/ul

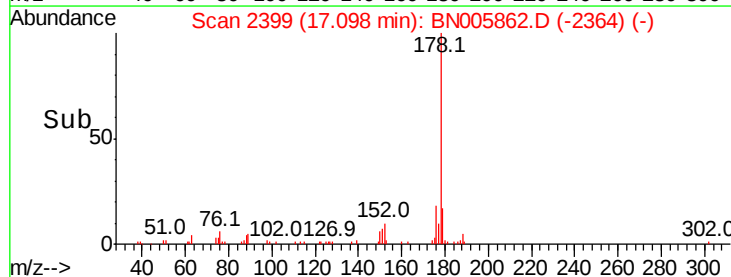
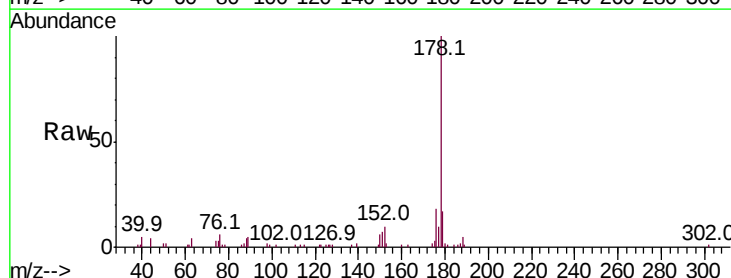
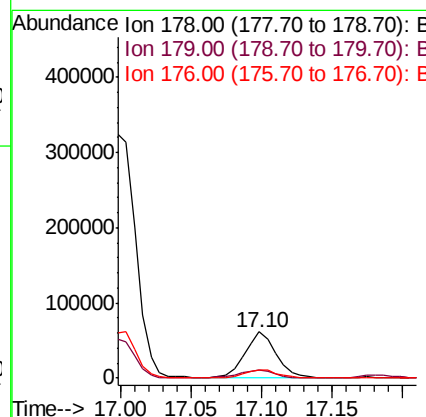
RT: 17.10 min Scan# 2399

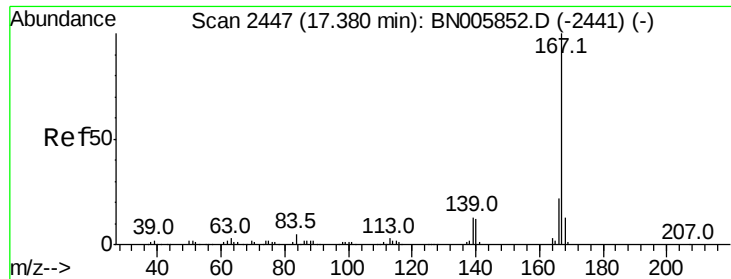
Delta R.T. 0.01 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

Tgt Ion:178	Resp:	95532
Ion Ratio	Lower	Upper
178	100	
179	17.2	12.3 18.5
176	17.5	15.1 22.7





#74

Carbazole

Concen: 1.672 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. 0.01 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

Instrument :

BNA_N

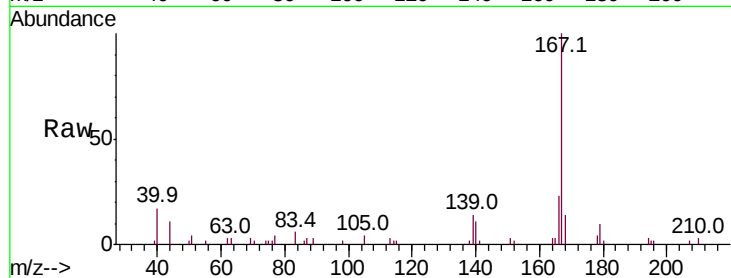
ClientSampleId :

A42A2

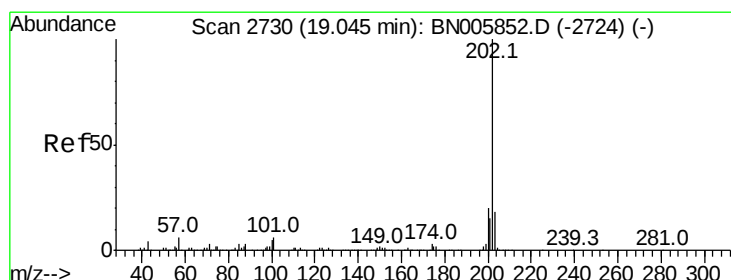
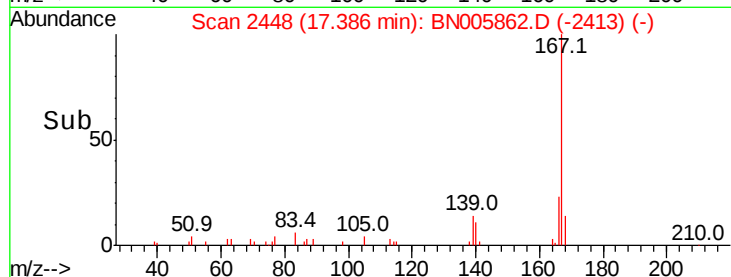
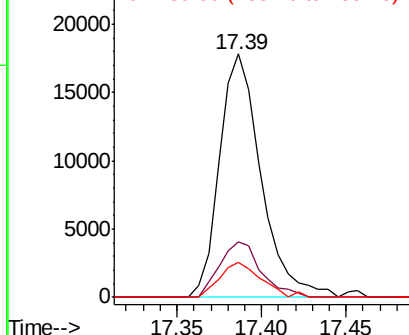
Tot Ion:	167	Resp:	30514
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.2	25.8
139	14.3	10.6	16.0

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 21.322 ng/ul

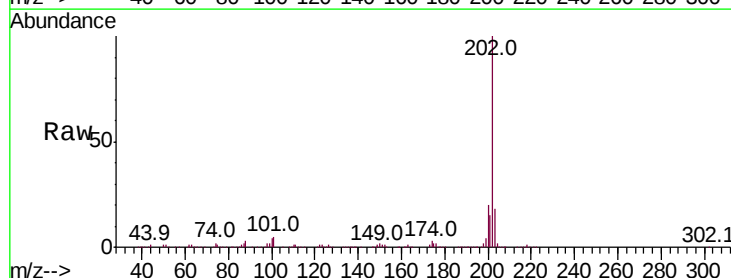
RT: 19.04 min Scan# 2729

Delta R.T. -0.00 min

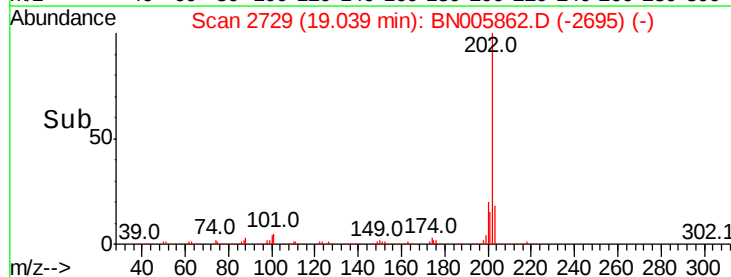
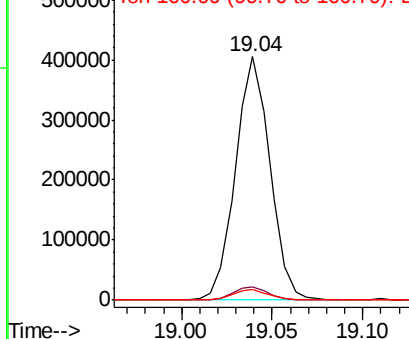
Lab File: BN005862.D

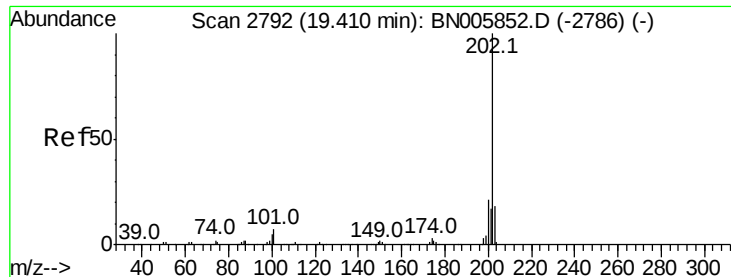
Acq: 22 May 2019 21:45

Tgt Ion:	202	Resp:	535941
Ion Ratio	Lower	Upper	
202	100		
101	5.4	8.6	12.8#
100	4.2	6.3	9.5#



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

Pvrene

Concen: 15.285 ng/ul

RT: 19.40 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

Instrument :

BNA_N

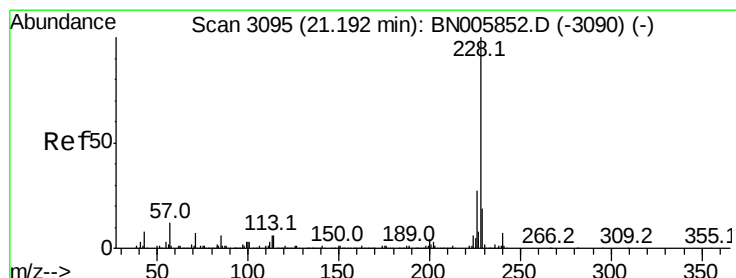
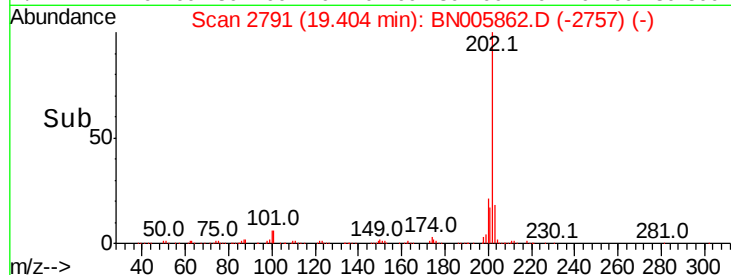
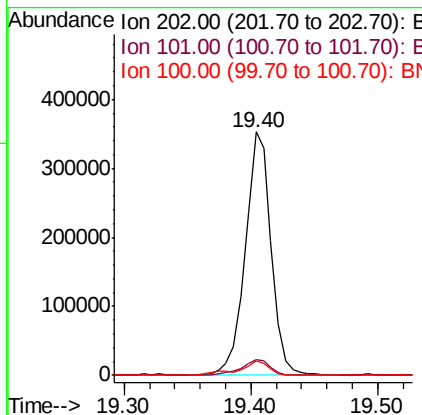
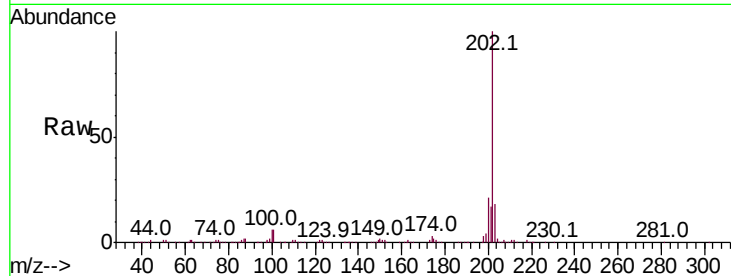
ClientSampleId :

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Tot Ion:	202	Resp:	496915
Ion Ratio	Lower	Upper	
202	100		
101	6.3	10.3	15.5#
100	6.1	7.9	11.9#

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#82

Benzo(a)anthracene

Concen: 8.089 ng/ul

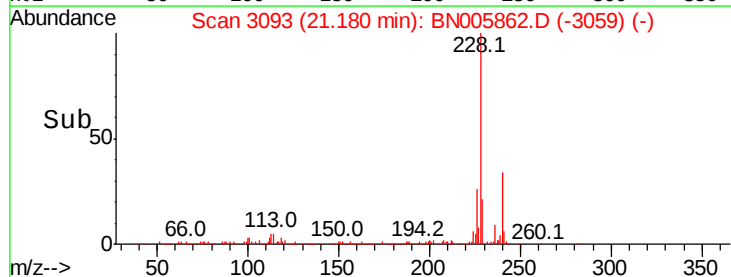
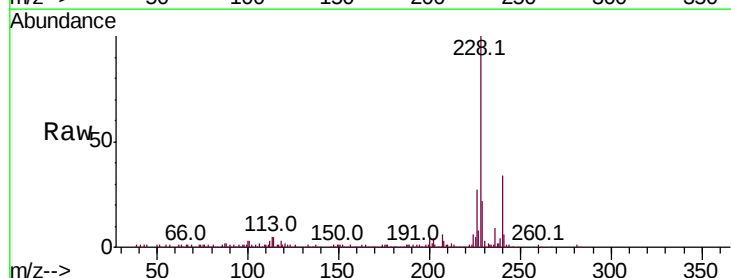
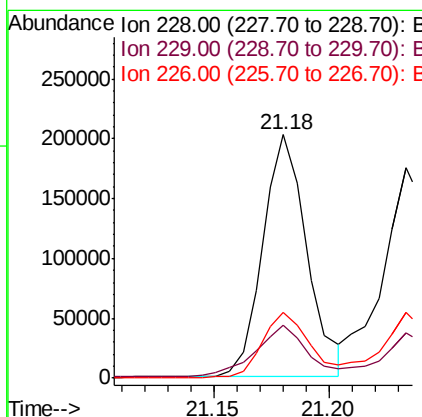
RT: 21.18 min Scan# 3093

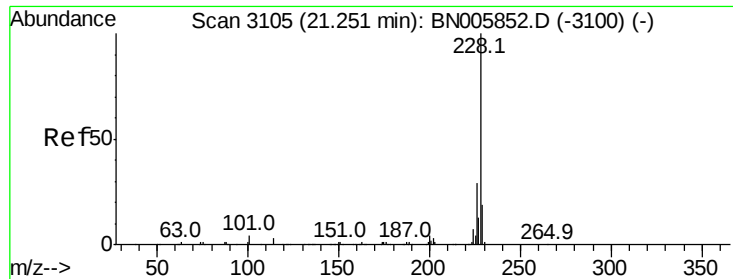
Delta R.T. -0.00 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

Tgt Ion:	228	Resp:	269769
Ion Ratio	Lower	Upper	
228	100		
229	21.7	15.8	23.6
226	26.8	21.4	32.2





#84

Chrysene

Concen: 8.255 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

Instrument :

BNA_N

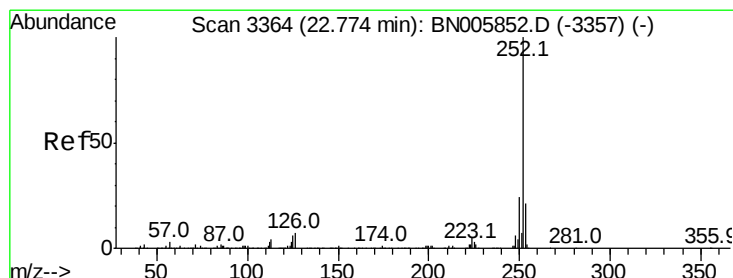
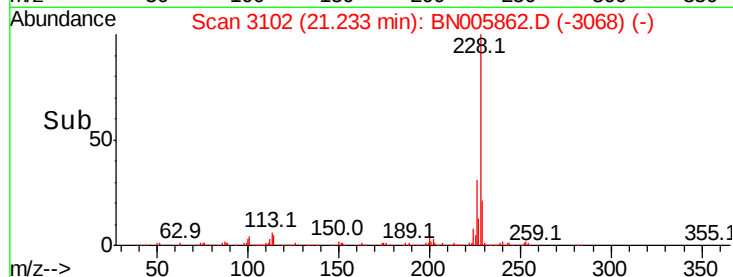
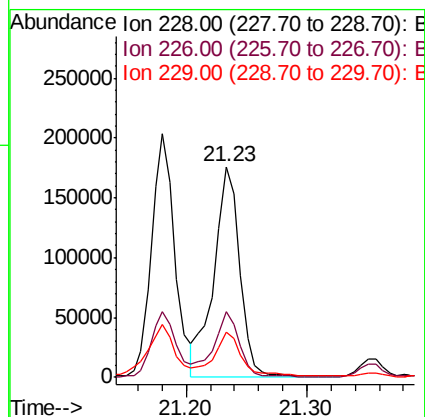
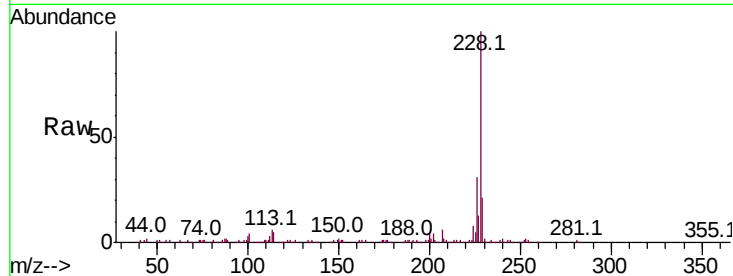
ClientSampled :

A42A2

Tot Ion:	228	Resp:	259525
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.0	36.0
229	21.3	15.4	23.0

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#87

Benzo(b)fluoranthene

Concen: 8.229 ng/ul

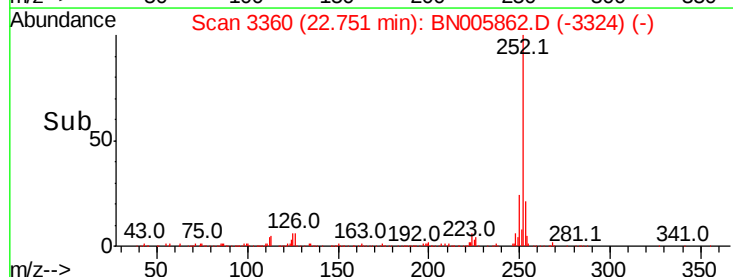
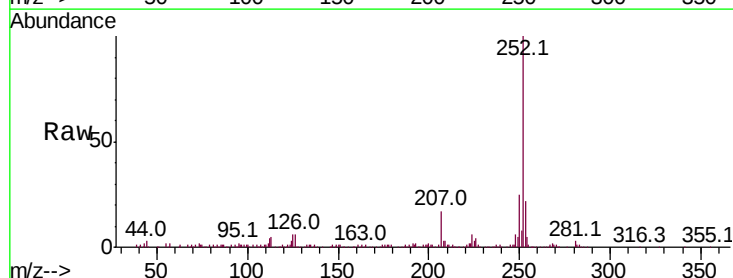
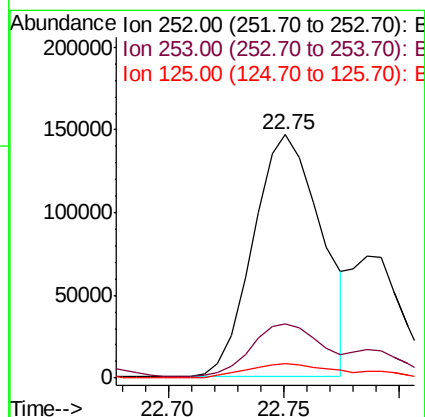
RT: 22.75 min Scan# 3360

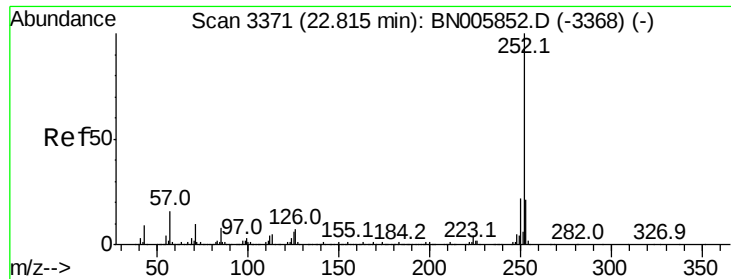
Delta R.T. 0.01 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

Tgt Ion:	252	Resp:	301883
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.7	26.5
125	6.0	8.4	12.6#





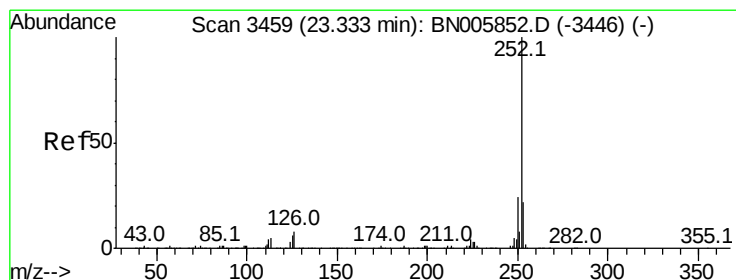
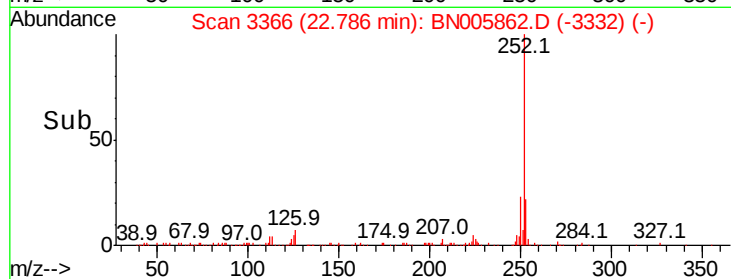
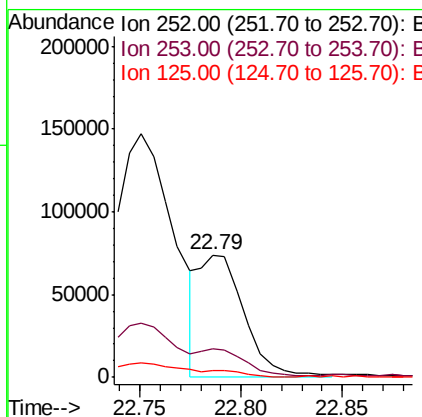
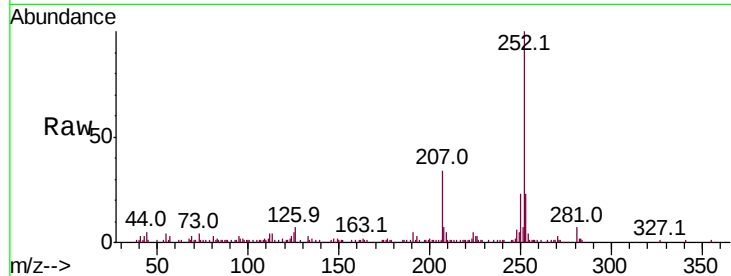
#88
Benzo(k)fluoranthene
Concen: 3.284 ng/ul m
RT: 22.79 min Scan# 3366
Delta R.T. -0.00 min
Lab File: BN005862.D
Acq: 22 May 2019 21:45

Instrument :
BNA_N
ClientSampleId :
A42A2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	5.3	7.5	11.3

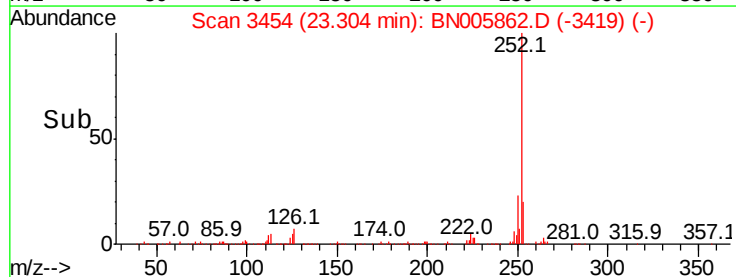
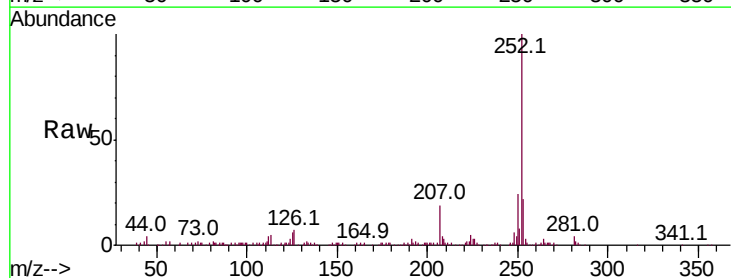
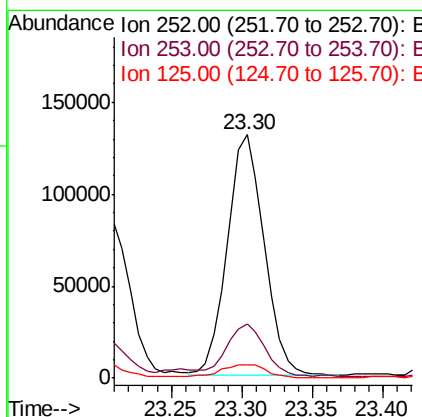
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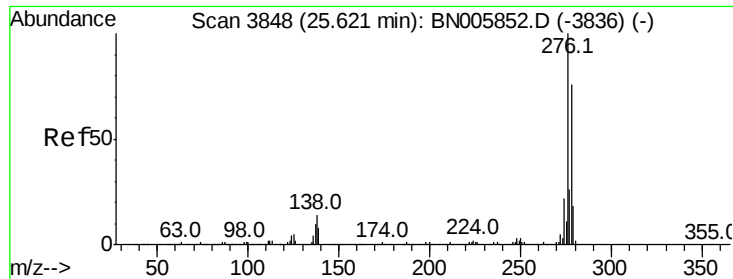
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#90
Benzo(a)pyrene
Concen: 6.742 ng/ul
RT: 23.30 min Scan# 3454
Delta R.T. 0.01 min
Lab File: BN005862.D
Acq: 22 May 2019 21:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	5.6	8.6	13.0





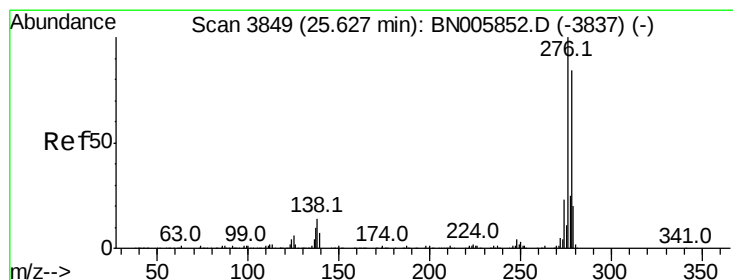
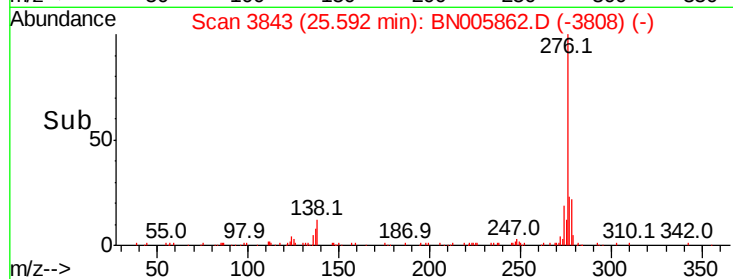
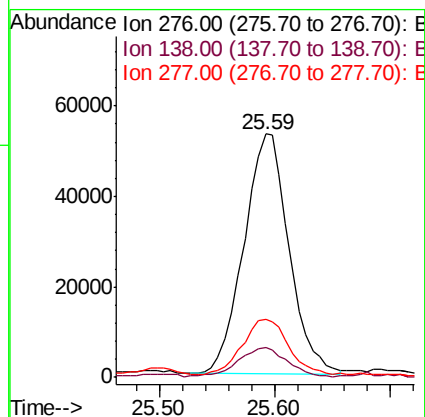
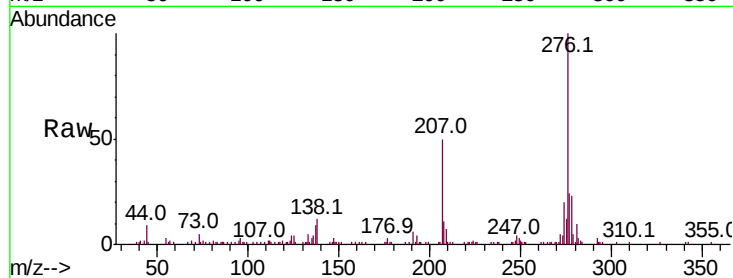
#91
Indeno(1,2,3-cd)pyrene
Concen: 3.312 ng/uL
RT: 25.59 min Scan# 3843
Delta R.T. 0.01 min
Lab File: BN005862.D
Acq: 22 May 2019 21:45

Instrument :
BNA_N
ClientSampleId :
A42A2

Tot Ion	Ratio	Resp	Lower	Upper
276	100	143838		
138	12.3	17.9	26.9#	
277	23.7	19.7	29.5	

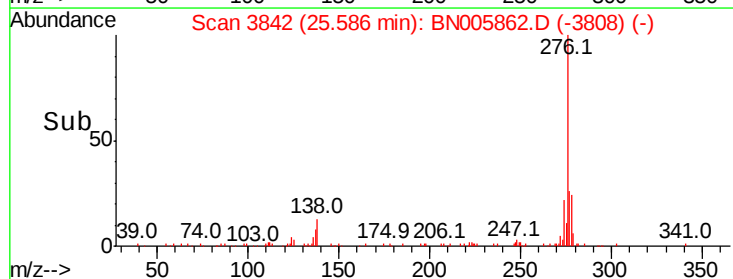
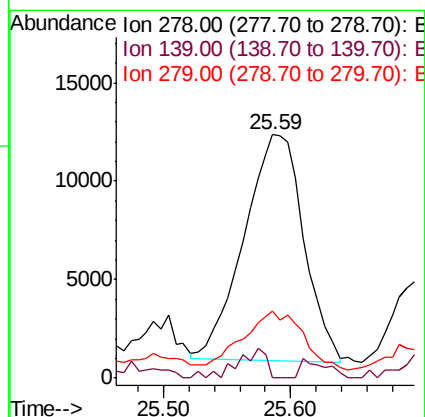
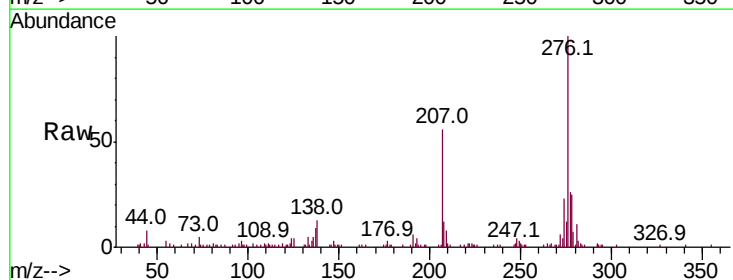
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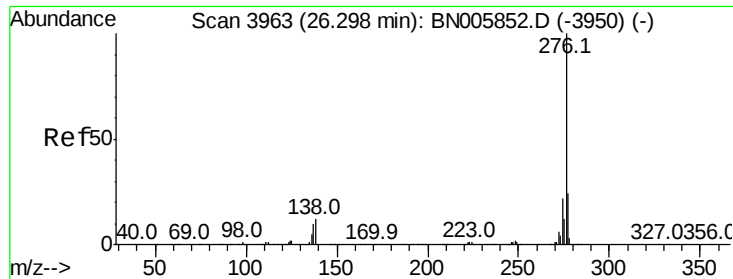
mohammad
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#92
Dibenzo(a,h)anthracene
Concen: 1.028 ng/uL
RT: 25.59 min Scan# 3842
Delta R.T. -0.00 min
Lab File: BN005862.D
Acq: 22 May 2019 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	37591		
139	0.0	13.1	19.7#	
279	27.4	19.4	29.0	





#93

Benzo(a,h,i)perylene

Concen: 3.357 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. 0.01 min

Lab File: BN005862.D

Acq: 22 May 2019 21:45

Instrument :

BNA_N

ClientSampleId :

A42A2

Tot Ion:	276	Resp:	121862
Ion Ratio	Lower	Upper	
276	100		
138	14.1	16.7	25.1#
277	24.2	18.2	27.2

Manual Integrations
APPROVED

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