

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032718\
 Data File : BN000652.D
 Acq On : 27 Mar 2018 18:11
 Operator : JU/SJ
 Sample : J2060-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AT2

Manual Integrations
 APPROVED

Sohil
 3/28/2018 5:01:49 PM

Quant Time: Mar 28 02:32:49 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 28 01:35:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.41	152	174598	20.00	ng/ul	0.00
18) Naphthalene-d8	11.25	136	780736	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.03	164	426797	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.75	188	876769	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	697141	20.00	ng/ul	0.00
83) Perylene-d12	24.35	264	547591	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	23475	4.80	ng/uL	0.00
5) Phenol-d5	7.55	99	412479	25.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.71	67	275261	29.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.93	132	289294	23.49	ng/ul	0.00
13) 4-Methylphenol-d8	9.12	113	315979	24.90	ng/ul	0.00
19) Nitrobenzene-d5	9.59	128	172391	27.19	ng/ul	0.00
22) 2-Nitrophenol-d4	10.32	143	135605	20.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.87	165	246544	20.94	ng/ul	0.00
29) 4-Chloroaniline-d4	11.38	131	435788	36.06	ng/ul	0.00
43) Dimethylphthalate-d6	14.41	166	974770	28.91	ng/ul	0.00
46) Acenaphthylene-d8	14.72	160	1261269	28.35	ng/ul	0.00
51) 4-Nitrophenol-d4	15.24	143	2152	0.34	ng/ul	0.02
57) Fluorene-d10	16.01	176	813199	28.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.13	200	683	0.14	ng/ul	0.00
70) Anthracene-d10	17.85	188	1185102	28.12	ng/ul	0.00
76) Pyrene-d10	20.11	212	1188237	30.88	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.20	264	753892	29.17	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.58	94	22461	1.352	ng/ul	98
44) Dimethylphthalate	14.46	163	156277	4.686	ng/ul	99
49) Acenaphthene	15.09	153	41520	1.397	ng/ul	99
58) Fluorene	16.07	166	37334	1.164	ng/ul	94
69) Phenanthrene	17.80	178	648653	12.842	ng/ul	100
71) Anthracene	17.88	178	189635	3.661	ng/ul	99
72) Carbazole	18.15	167	105328	2.372	ng/ul#	98
74) Fluoranthene	19.78	202	1479587	29.478	ng/ul#	82
77) Pyrene	20.14	202	1353999	26.591	ng/ul#	76
80) Benzo(a)anthracene	21.86	228	837082	18.021	ng/ul	99
82) Chrysene	21.91	228	814110	18.696	ng/ul	98
85) Benzo(b)fluoranthene	23.60	252	961729	27.795	ng/ul#	94
86) Benzo(k)fluoranthene	23.64	252	265444m	7.947	ng/ul	
88) Benzo(a)pyrene	24.25	252	603703	18.539	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	26.91	276	367583	10.468	ng/ul#	89
90) Dibenzo(a,h)anthracene	26.90	278	98185	3.357	ng/ul#	85
91) Benzo(g,h,i)perylene	27.70	276	362267	12.415	ng/ul#	88

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

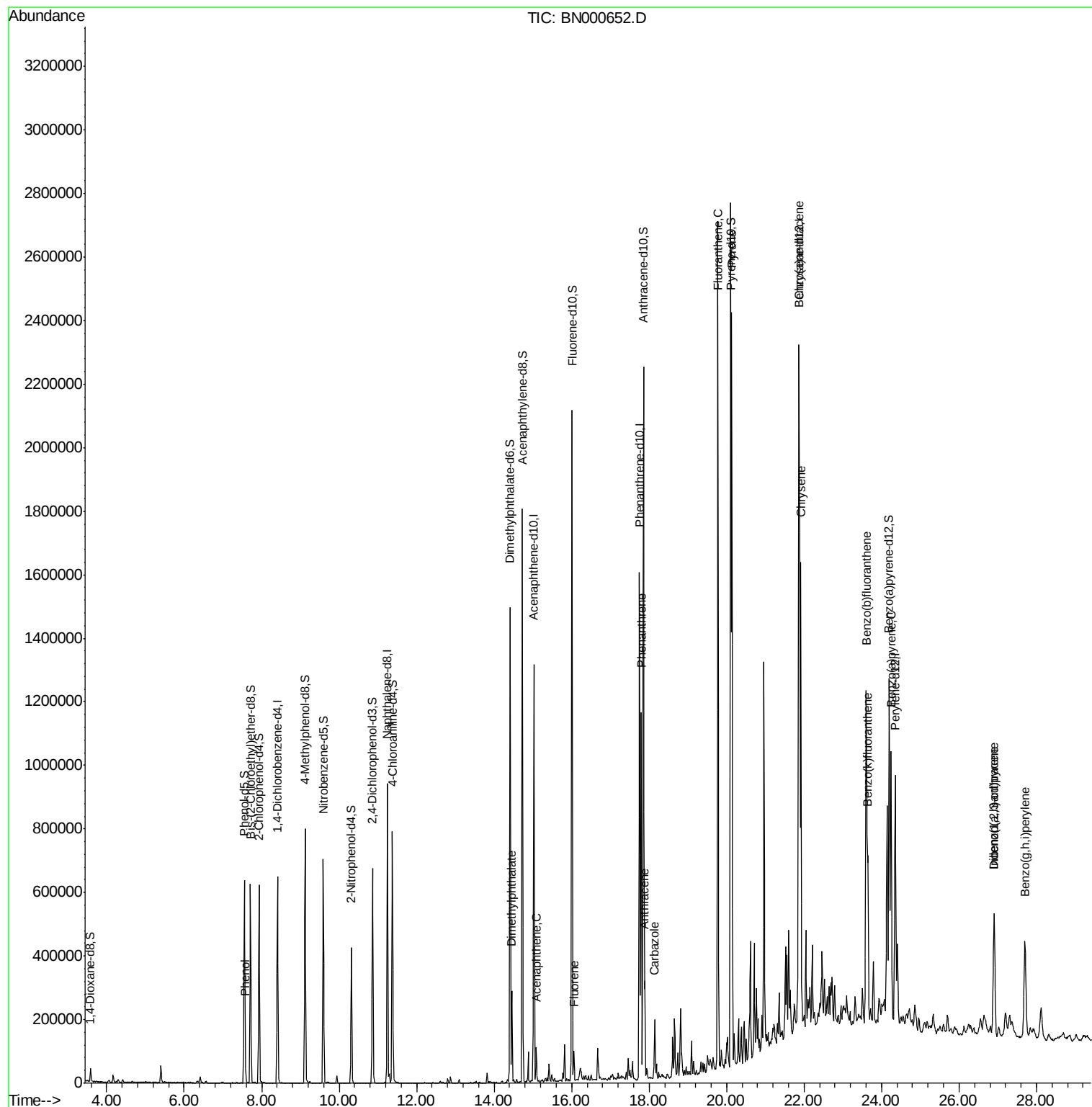
Data Path : Z:\HPCHEM1\BNA N\DATA\BN032718\
Data File : BN000652.D
Acq On : 27 Mar 2018 18:11
Operator : JU/SJ
Sample : J2060-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

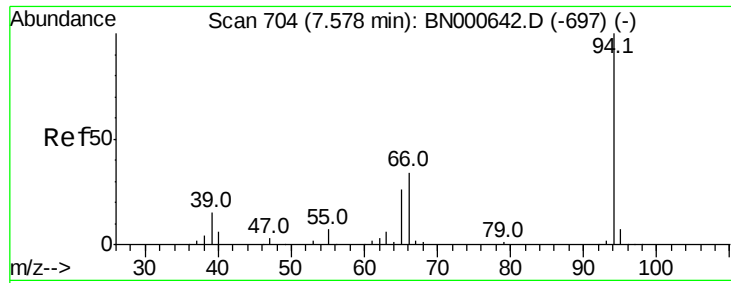
Instrument :
BNA_N
ClientSampled :
C0AT2

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3/28/2018 5:01:49 PM

Quant Time: Mar 28 02:32:49 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

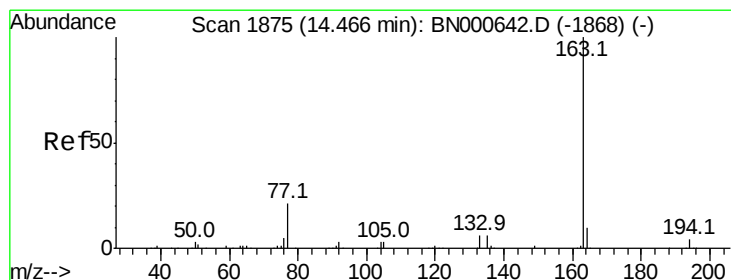
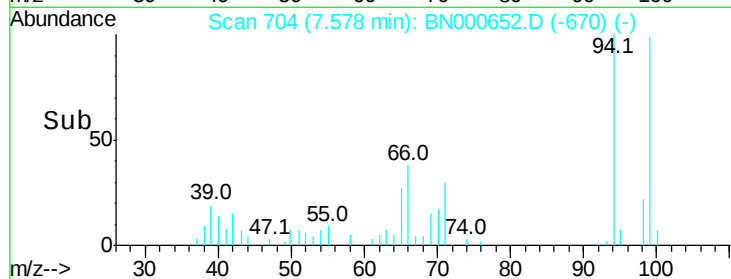
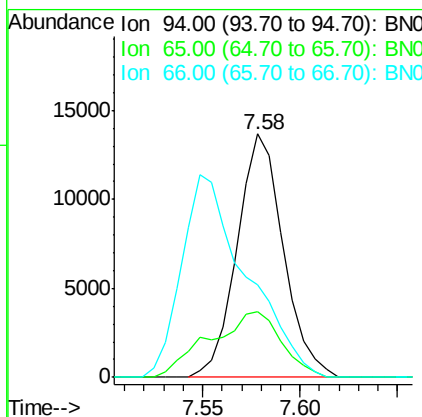
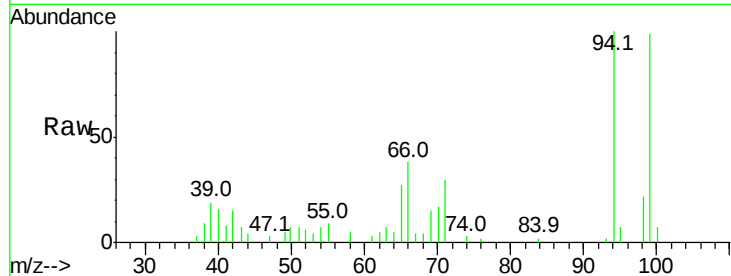
Concen: 1.352 ng/ul
 RT: 7.58 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: BN000652.D
 Acq: 27 Mar 2018 18:11

Instrument :
 BNA_N
 ClientSampleId :
 C0AT2

Tot Ion	Ratio	Lower	Upper
94	100		
65	26.8	23.0	34.6
66	38.3	30.4	45.6

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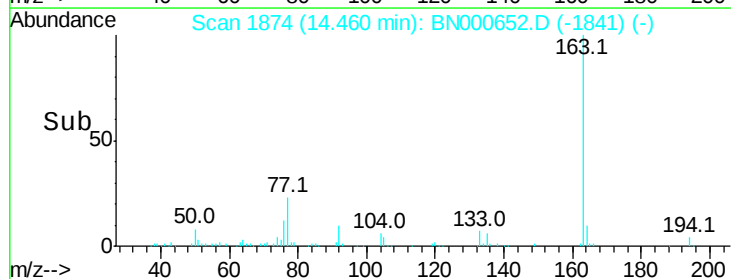
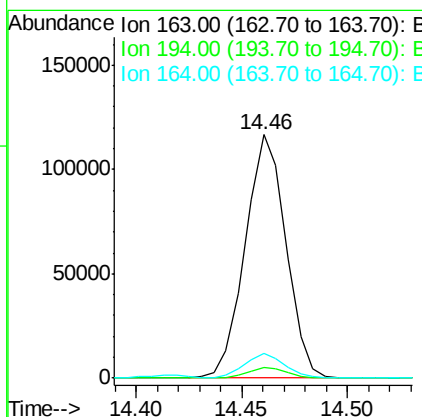
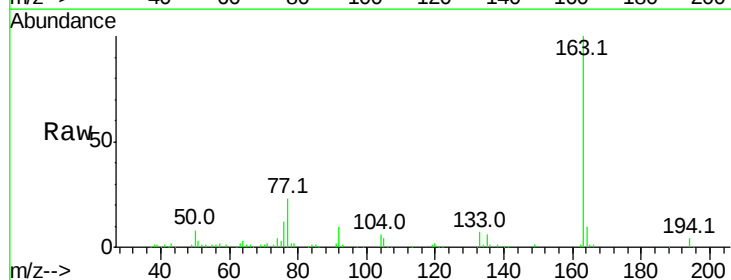


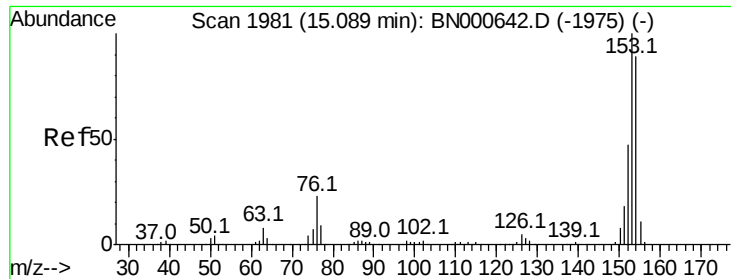
#44

Dimethylphthalate

Concen: 4.686 ng/ul
 RT: 14.46 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BN000652.D
 Acq: 27 Mar 2018 18:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	4.0	6.0
164	10.3	8.4	12.6





#49

Acenaphthene

Concen: 1.397 ng/ul

RT: 15.09 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

Instrument :

BNA_N

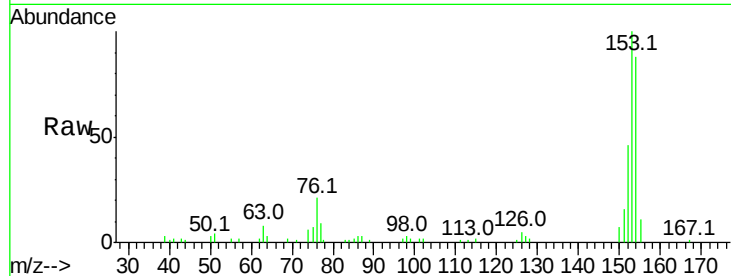
ClientSampleId :

C0AT2

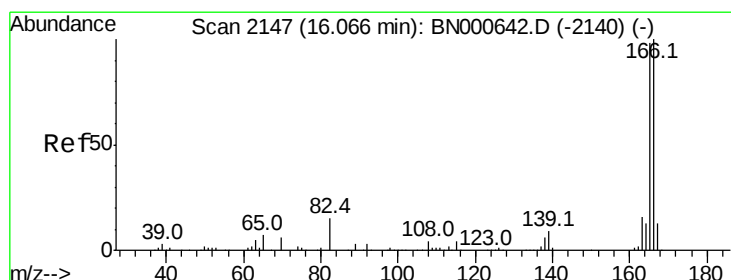
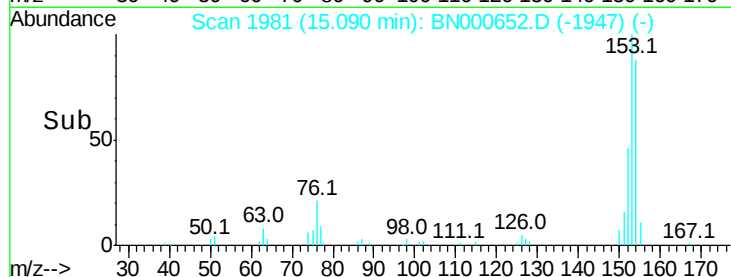
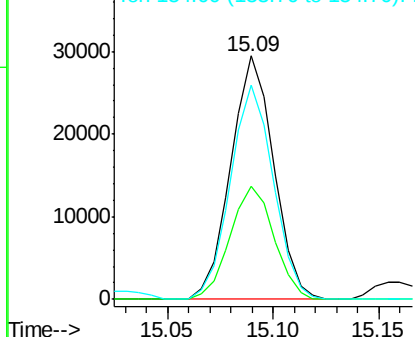
Tot Ion:153	Resp:	41520
Ion Ratio	Lower	Upper
153	100	
152	46.3	37.9 56.9
154	88.2	69.8 104.6

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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



#58

Fluorene

Concen: 1.164 ng/ul

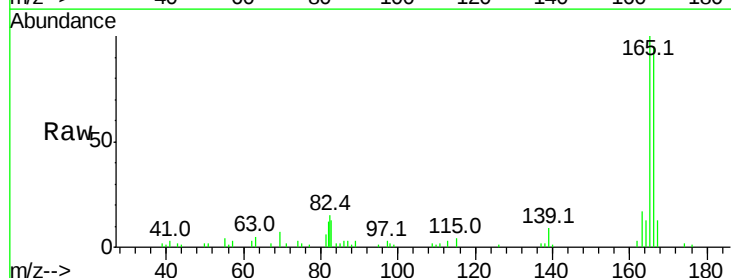
RT: 16.07 min Scan# 2147

Delta R.T. 0.00 min

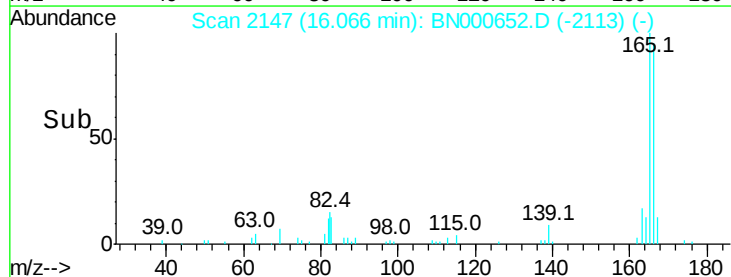
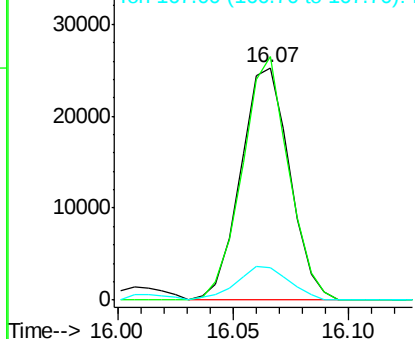
Lab File: BN000652.D

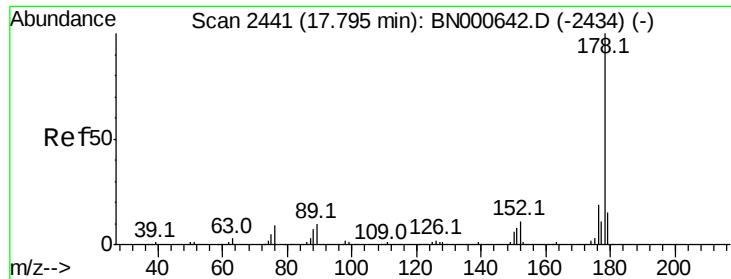
Acq: 27 Mar 2018 18:11

Tgt Ion:166	Resp:	37334
Ion Ratio	Lower	Upper
166	100	
165	104.8	78.4 117.6
167	14.0	11.1 16.7



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: 12.842 ng/ul

RT: 17.80 min Scan# 2441

Delta R.T. 0.00 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

Instrument :

BNA_N

ClientSampleId :

C0AT2

Tot Ion:178 Resp: 648653

Ion Ratio Lower Upper

178 100

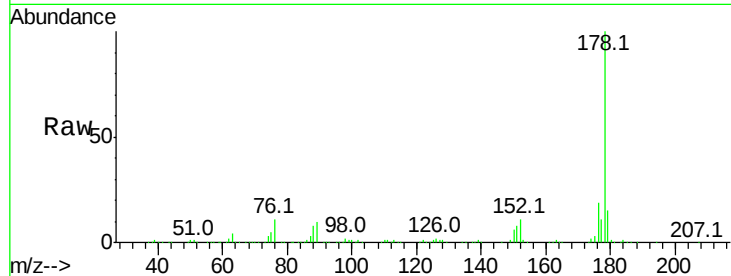
179 15.4 12.3 18.5

176 19.3 15.4 23.0

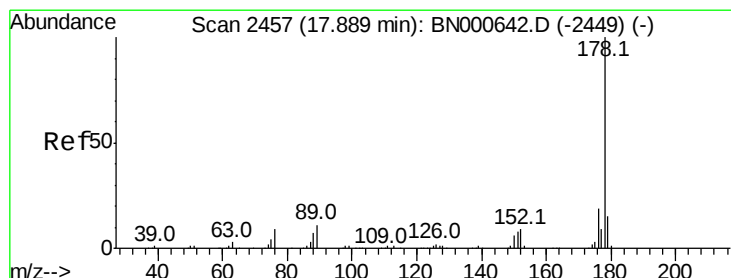
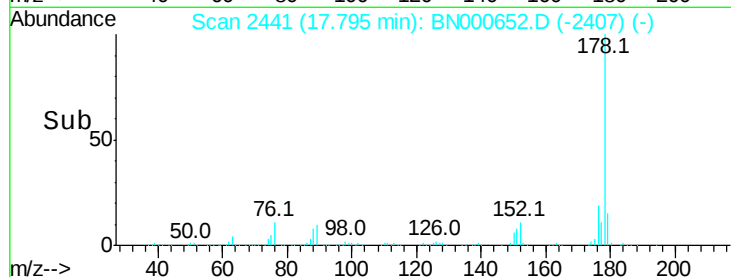
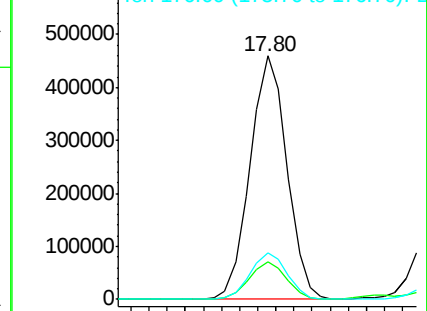
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 3.661 ng/ul

RT: 17.88 min Scan# 2456

Delta R.T. -0.01 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

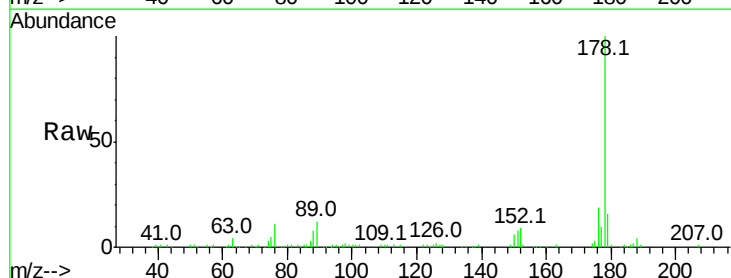
Tgt Ion:178 Resp: 189635

Ion Ratio Lower Upper

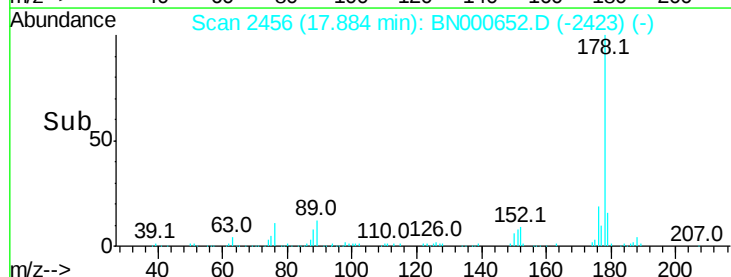
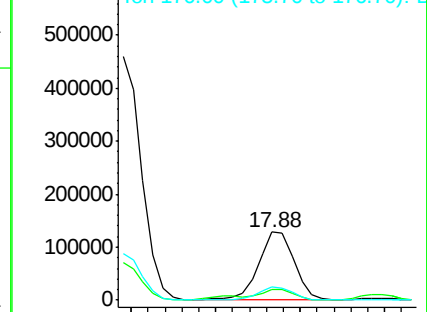
178 100

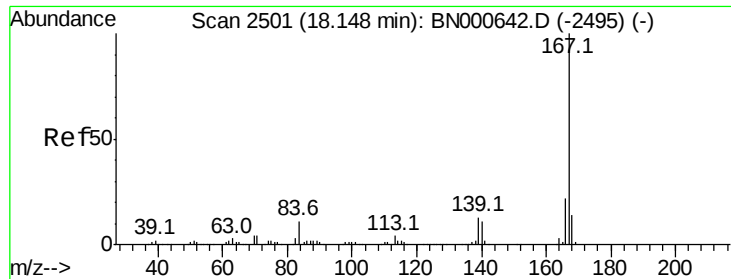
179 16.1 13.4 20.2

176 19.0 15.4 23.0



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





#72

Carbazole

Concen: 2.372 ng/ul

RT: 18.15 min Scan# 2501

Delta R.T. 0.00 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

Instrument :

BNA_N

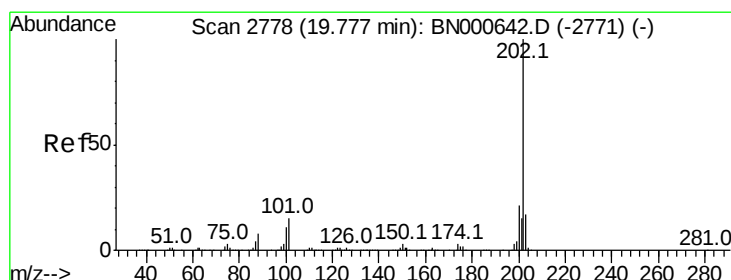
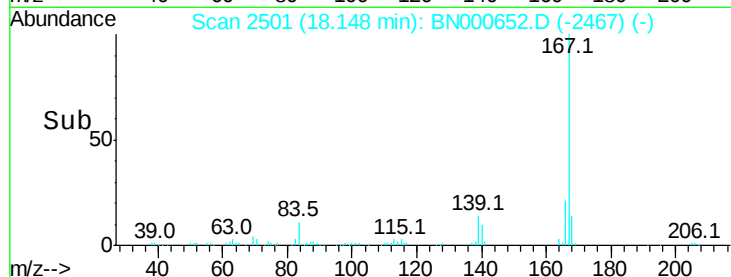
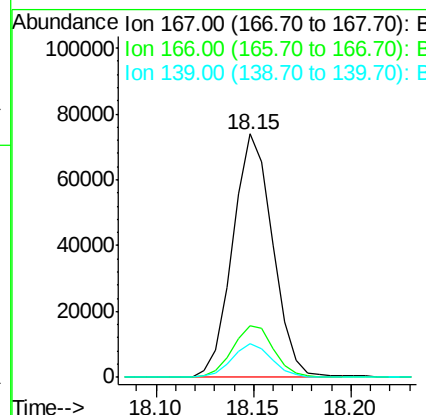
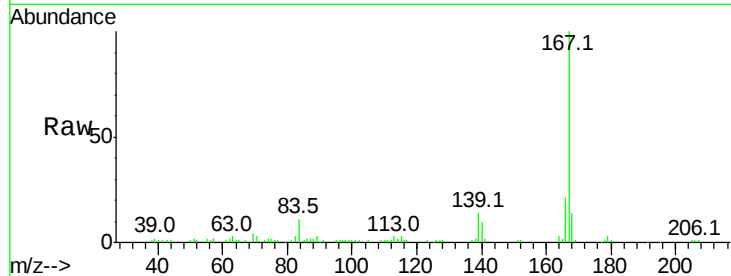
ClientSampled :

C0AT2

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	13.9	9.1	13.7

Manual Integrations
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#74

Fluoranthene

Concen: 29.478 ng/ul

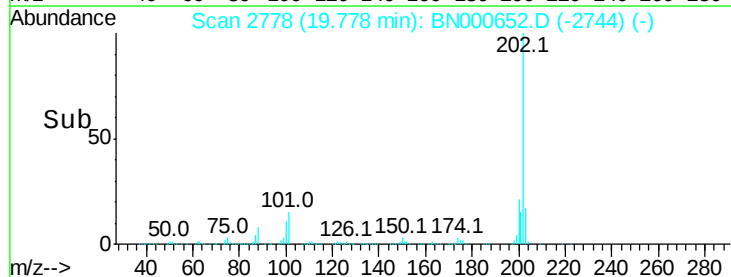
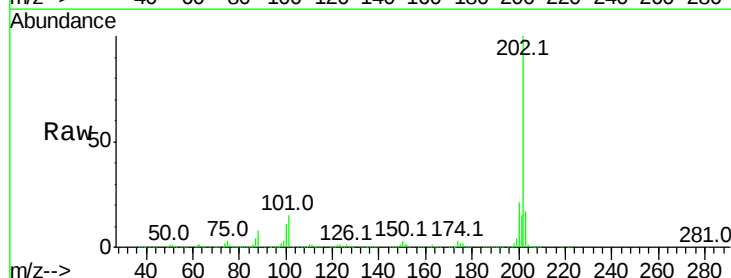
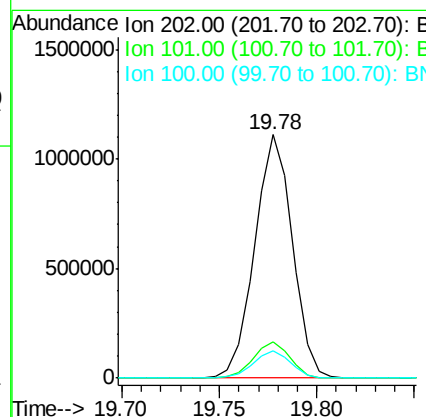
RT: 19.78 min Scan# 2778

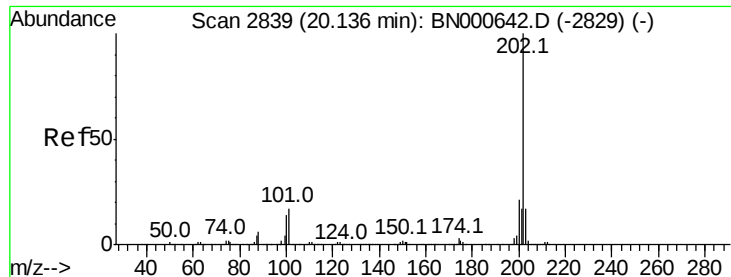
Delta R.T. 0.00 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	6.1	9.1
100	11.1	4.6	7.0





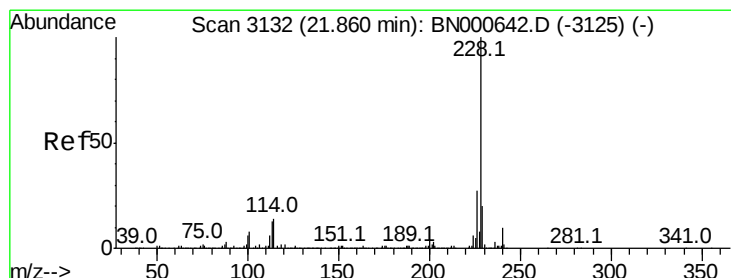
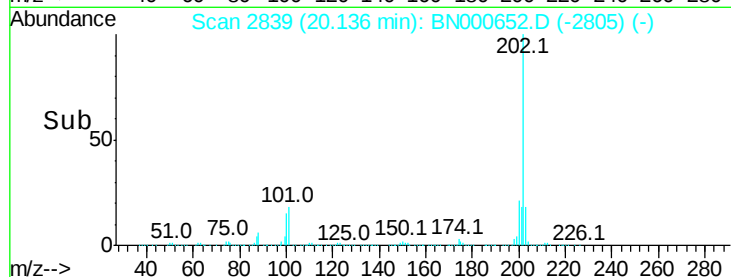
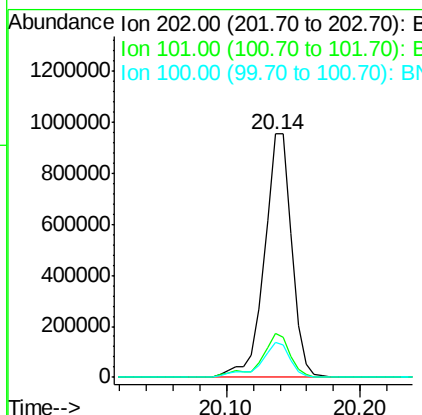
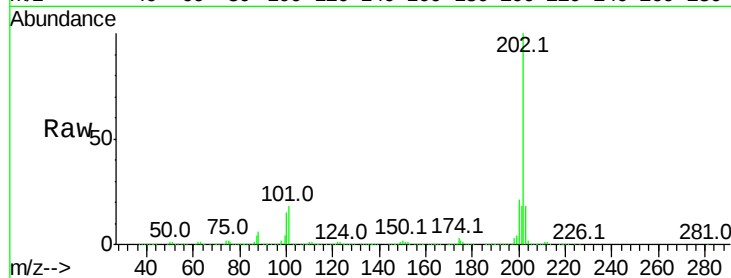
#77
Pvrene
Concen: 26.591 ng/ul
RT: 20.14 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BN000652.D
Acq: 27 Mar 2018 18:11

Instrument :
BNA_N
ClientSampleId :
C0AT2

Tot Ion	Ratio	Lower	Upper
202	100		
101	17.8	6.9	10.3#
100	14.6	5.6	8.4#

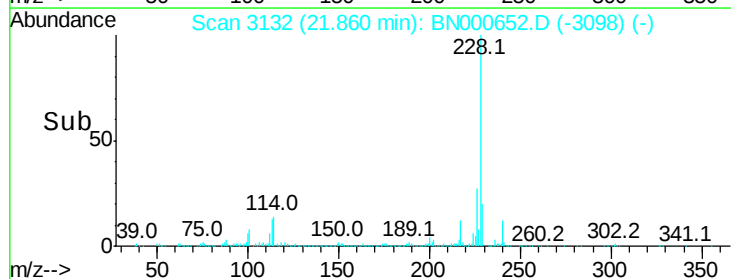
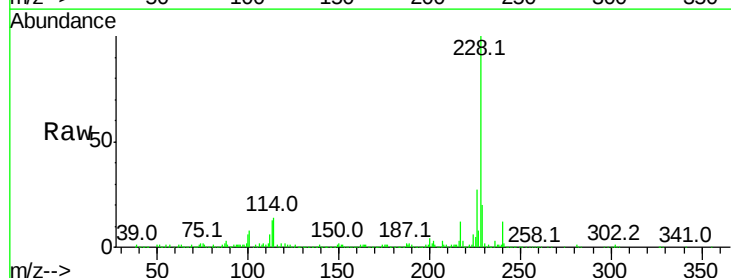
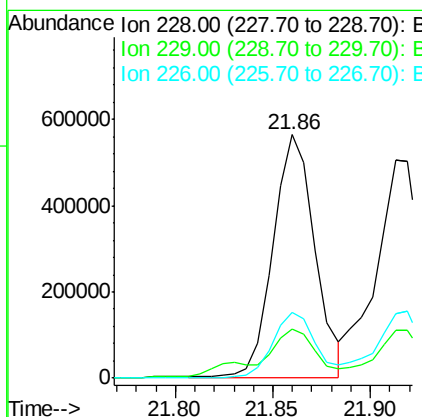
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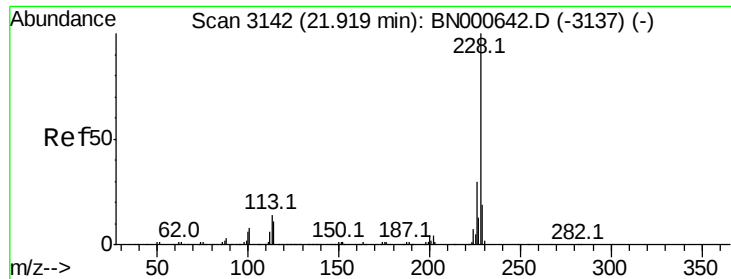
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#80
Benzo(a)anthracene
Concen: 18.021 ng/ul
RT: 21.86 min Scan# 3132
Delta R.T. 0.00 min
Lab File: BN000652.D
Acq: 27 Mar 2018 18:11

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	16.0	24.0
226	26.8	21.8	32.8





#82

Chrysene

Concen: 18.696 ng/ul

RT: 21.91 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

Instrument :

BNA_N

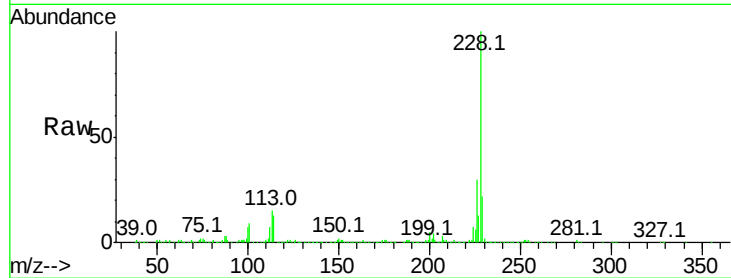
ClientSampled :

C0AT2

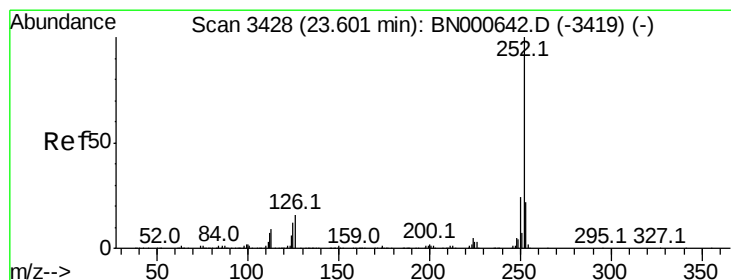
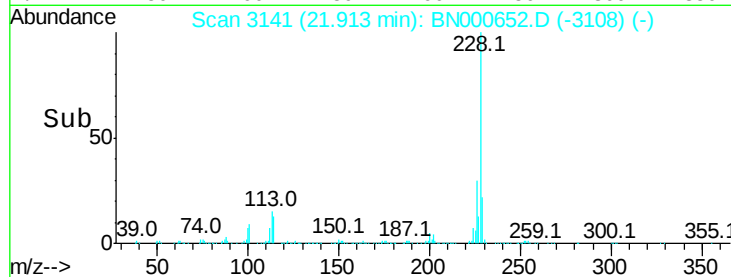
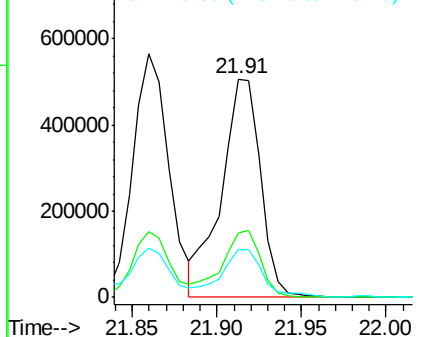
Tot Ion:	228	Resp:	814110
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.1	36.1
229	22.1	16.0	24.0

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 27.795 ng/ul

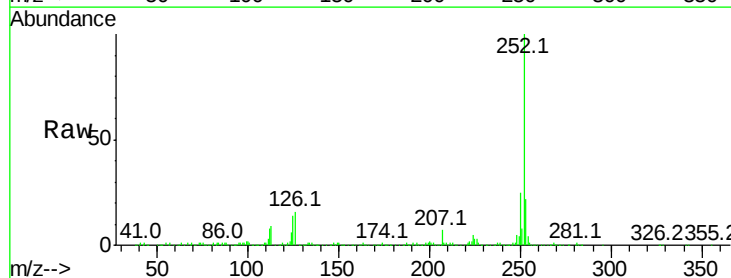
RT: 23.60 min Scan# 3428

Delta R.T. 0.00 min

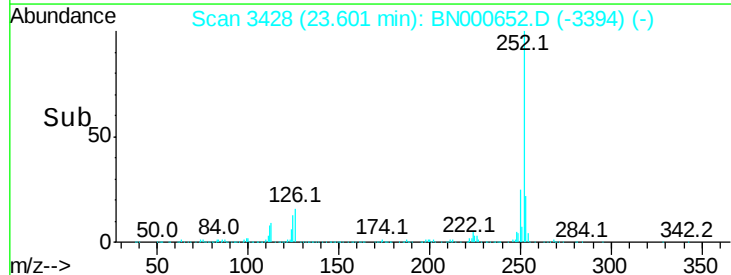
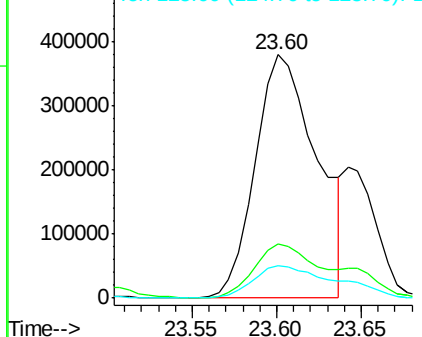
Lab File: BN000652.D

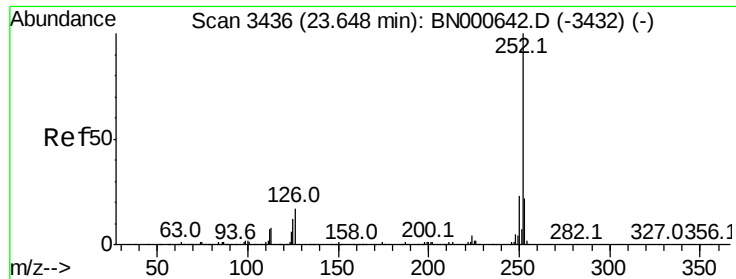
Acq: 27 Mar 2018 18:11

Tgt Ion:	252	Resp:	961729
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.0
125	13.5	4.9	7.3#



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





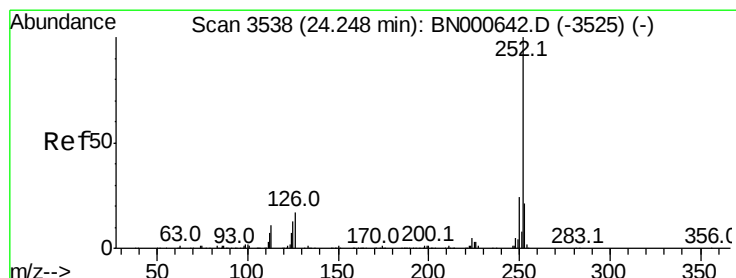
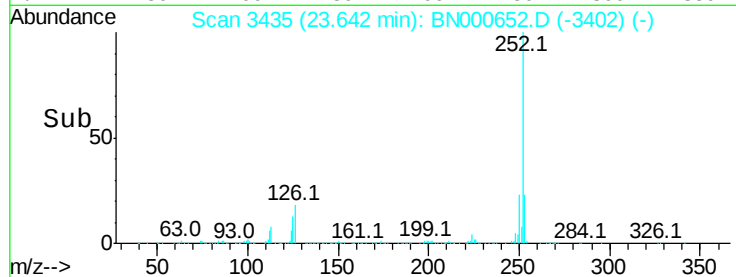
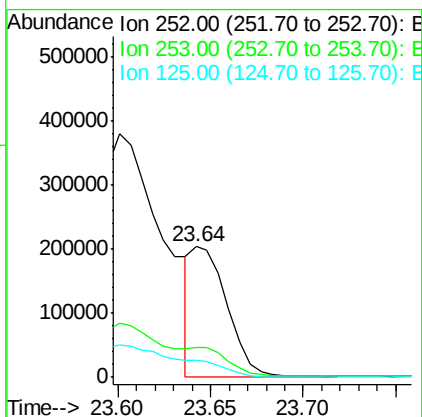
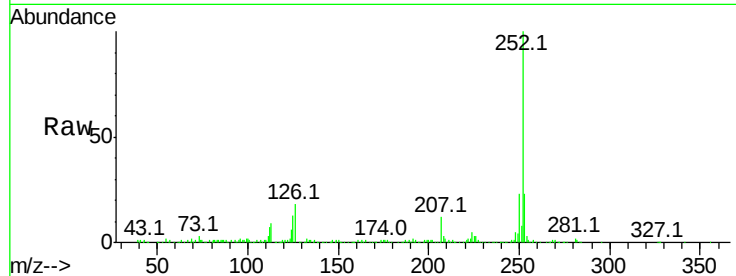
#86
Benzo(k)fluoranthene
Concen: 7.947 ng/ul
RT: 23.64 min Scan# 3435
Delta R.T. -0.01 min
Lab File: BN000652.D
Acq: 27 Mar 2018 18:11

Instrument :
BNA_N
ClientSampled :
C0AT2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	13.4	5.4	8.0#

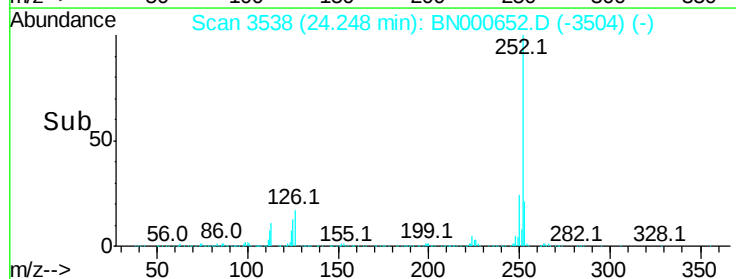
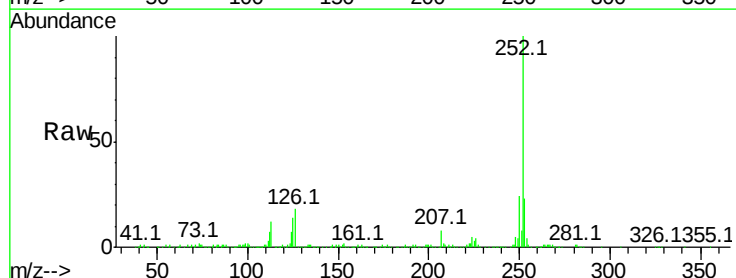
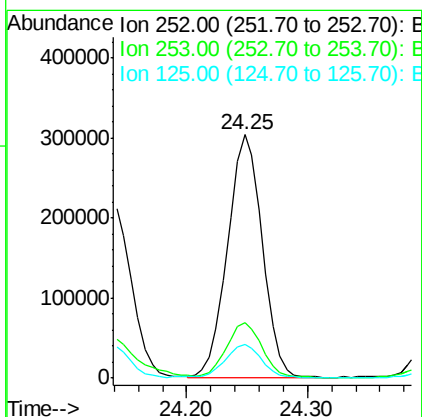
Manual Integrations
APPROVED

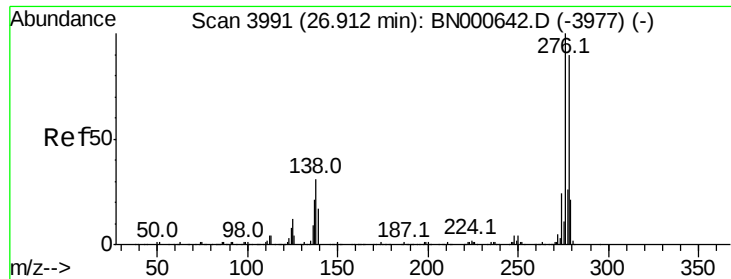
Sohil
3/28/2018 5:01:49 PM



#88
Benzo(a)pyrene
Concen: 18.539 ng/ul
RT: 24.25 min Scan# 3538
Delta R.T. 0.00 min
Lab File: BN000652.D
Acq: 27 Mar 2018 18:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	13.9	5.8	8.6#





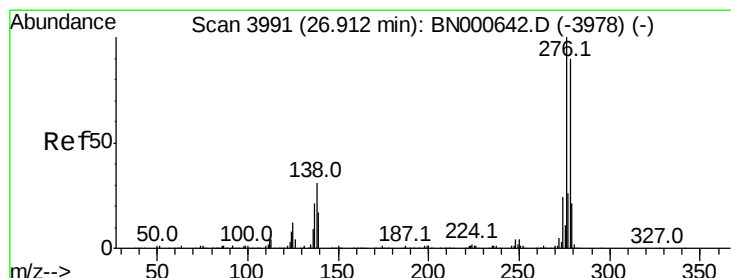
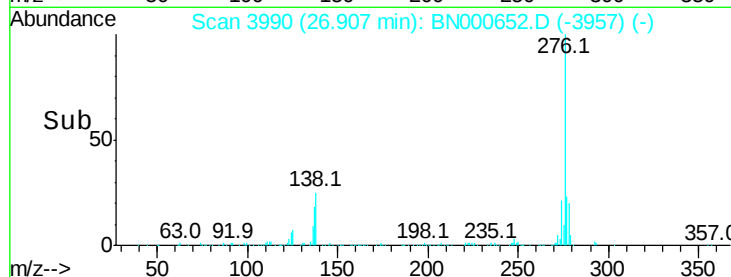
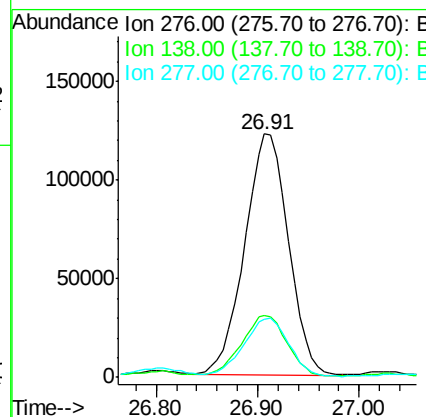
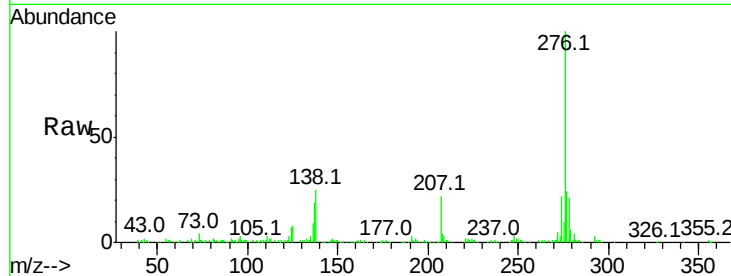
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 10.468 ng/ul
 RT: 26.91 min Scan# 3990
 Delta R.T. -0.01 min
 Lab File: BN000652.D
 Acq: 27 Mar 2018 18:11

Instrument :
 BNA_N
 ClientSampleId :
 C0AT2

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	10.9	16.3#
277	23.8	18.9	28.3

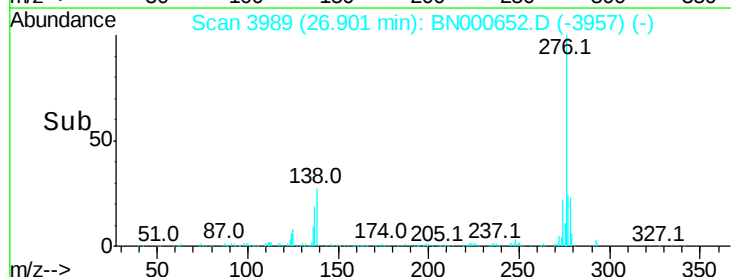
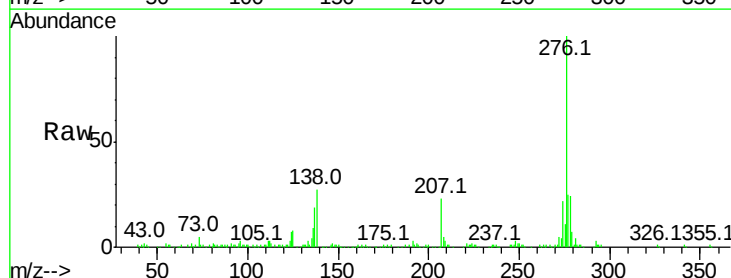
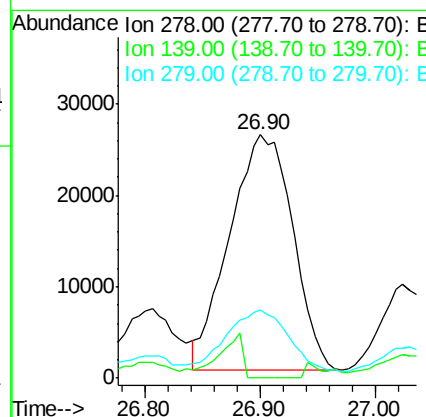
Manual Integrations
 APPROVED

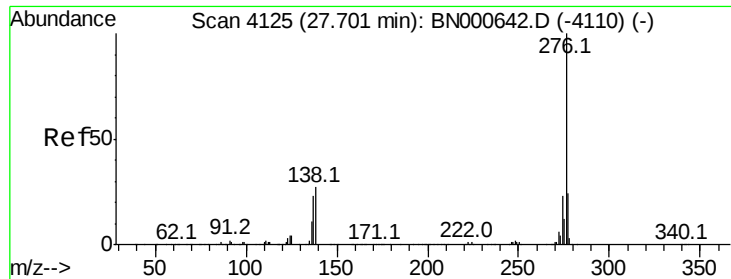
Sohil
 3/28/2018 5:01:49 PM



#90
 Dibenzo(a,h)anthracene
 Concen: 3.357 ng/ul
 RT: 26.90 min Scan# 3989
 Delta R.T. -0.01 min
 Lab File: BN000652.D
 Acq: 27 Mar 2018 18:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.0	13.4#
279	28.2	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 12.415 ng/ul
 RT: 27.70 min Scan# 4125
 Delta R.T. 0.00 min
 Lab File: BN000652.D
 Acq: 27 Mar 2018 18:11

Instrument :
 BNA_N
 ClientSampleId :
 C0AT2

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.5	11.2	16.8#
277	23.9	19.0	28.6

Manual Integrations
 APPROVED

Sohil
 3/28/2018 5:01:49 PM

