

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032318\
 Data File : BN000612.D
 Acq On : 24 Mar 2018 10:53
 Operator : JU/SJ
 Sample : J1951-01
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS2

Manual Integrations
 APPROVED

Sohil
 3/26/2018 6:39:41 PM

Quant Time: Mar 26 03:02:15 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 26 01:26:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.41	152	201206	20.00	ng/ul	0.00
18) Naphthalene-d8	11.25	136	847990	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.04	164	422249	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.76	188	721603	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	491962	20.00	ng/ul	0.00
83) Perylene-d12	24.37	264	536994	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	16900	3.00	ng/uL	0.01
5) Phenol-d5	7.55	99	347421	18.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.72	67	207863	19.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.94	132	271198	19.11	ng/ul	0.00
13) 4-Methylphenol-d8	9.13	113	270201	18.48	ng/ul	0.00
19) Nitrobenzene-d5	9.60	128	133114	19.33	ng/ul	0.00
22) 2-Nitrophenol-d4	10.33	143	140390	19.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.87	165	246806	19.30	ng/ul	0.00
29) 4-Chloroaniline-d4	11.38	131	264749	20.17	ng/ul	0.00
43) Dimethylphthalate-d6	14.42	166	704512	21.12	ng/ul	0.00
46) Acenaphthylene-d8	14.73	160	892764	20.29	ng/ul	0.00
51) 4-Nitrophenol-d4	15.22	143	68377	11.04	ng/ul	0.00
57) Fluorene-d10	16.02	176	547630	19.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.14	200	34547	8.36	ng/ul	0.00
70) Anthracene-d10	17.86	188	690805	19.92	ng/ul	0.00
76) Pyrene-d10	20.11	212	575630	21.20	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.21	264	513960	20.28	ng/ul	0.02

Target Compounds

					Ovalue	
44) Dimethylphthalate	14.47	163	215655	6.536	ng/ul#	97
49) Acenaphthene	15.10	153	41673	1.418	ng/ul	99
69) Phenanthrene	17.80	178	330474	7.950	ng/ul	99
71) Anthracene	17.90	178	85260	2.000	ng/ul	98
72) Carbazole	18.15	167	45192	1.236	ng/ul#	97
74) Fluoranthene	19.78	202	550733	13.332	ng/ul#	84
77) Pyrene	20.14	202	468339	13.034	ng/ul#	80
80) Benzo(a)anthracene	21.87	228	264759	8.077	ng/ul	98
82) Chrysene	21.92	228	265779	8.649	ng/ul	96
85) Benzo(b)fluoranthene	23.61	252	416285	12.269	ng/ul#	91
86) Benzo(k)fluoranthene	23.65	252	145496m	4.442	ng/ul	
88) Benzo(a)pyrene	24.26	252	309520	9.692	ng/ul#	90
89) Indeno(1,2,3-cd)pyrene	26.93	276	232851	6.762	ng/ul#	85
90) Dibenzo(a,h)anthracene	26.92	278	60191	2.098	ng/ul#	66
91) Benzo(g,h,i)perylene	27.72	276	228908	7.999	ng/ul#	85

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

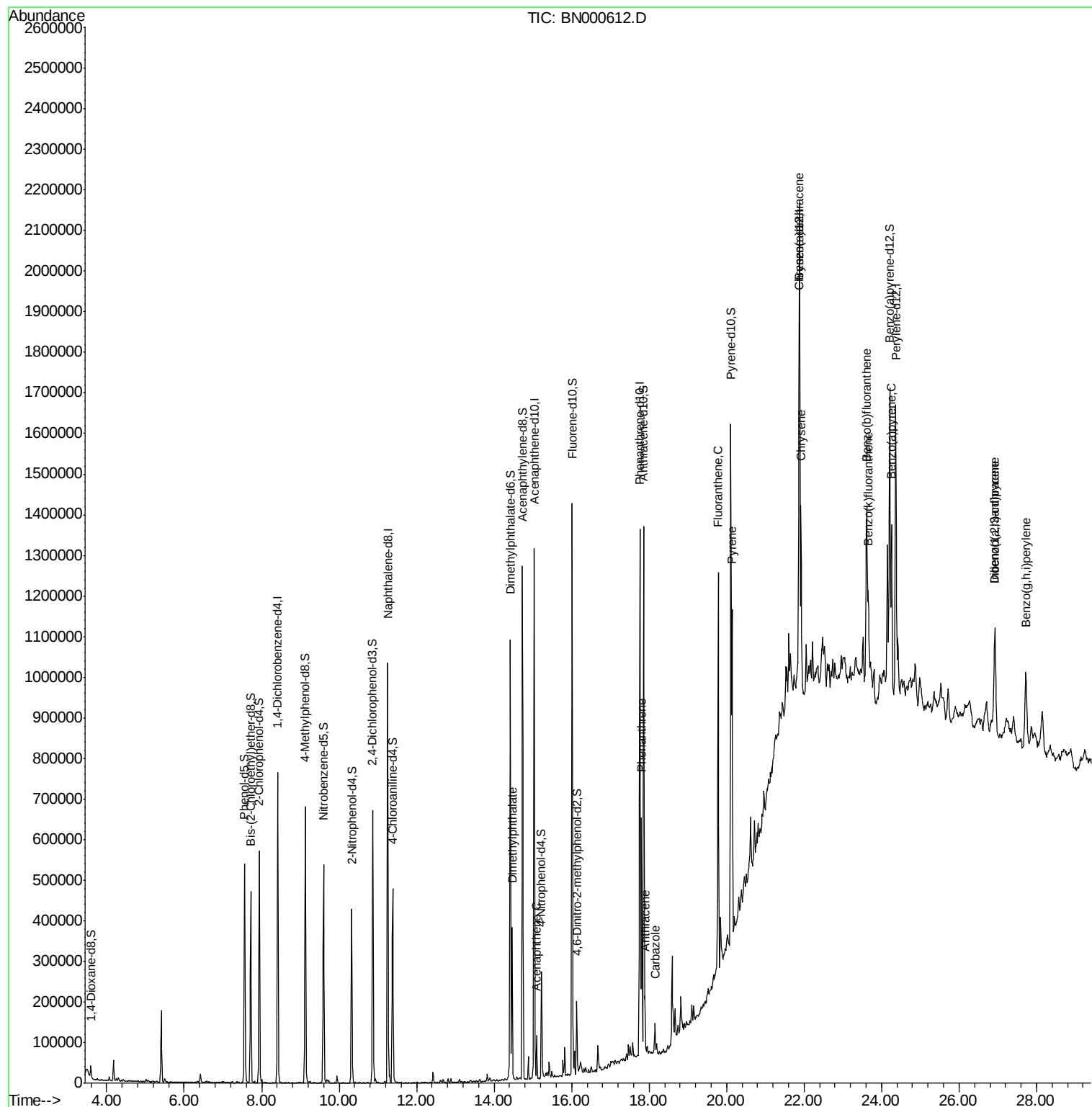
Data Path : Z:\HPCHEM1\BNA N\DATA\BN032318\
Data File : BN000612.D
Acq On : 24 Mar 2018 10:53
Operator : JU/SJ
Sample : J1951-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

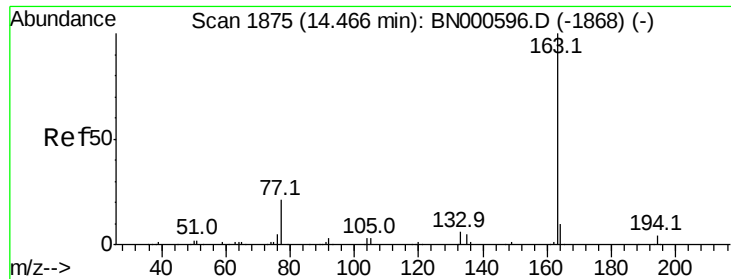
Instrument :
BNA_N
ClientSampled :
C0AS2

Quant Time: Mar 26 03:02:15 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 26 01:26:45 2018
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
3/26/2018 6:39:41 PM





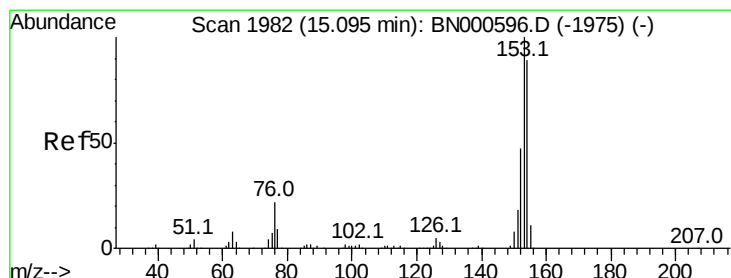
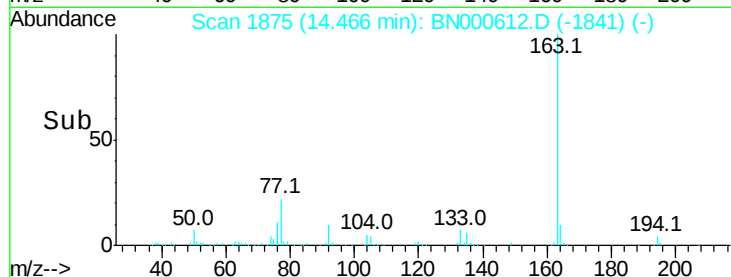
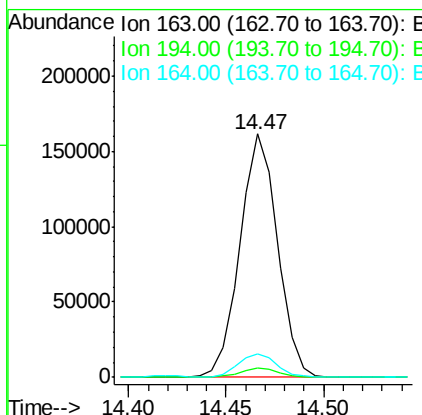
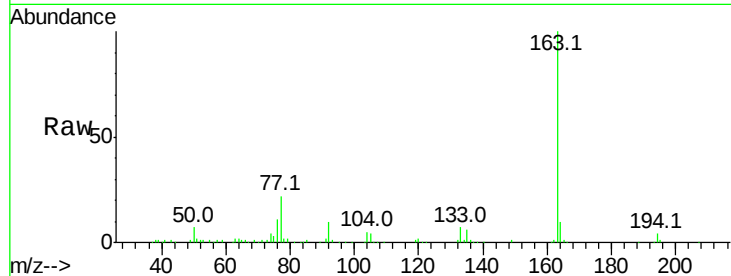
#44
Dimethylphthalate
Concen: 6.536 ng/ul
RT: 14.47 min Scan# 1875
Delta R.T. 0.00 min
Lab File: BN000612.D
Acq: 24 Mar 2018 10:53

Instrument :
BNA_N
ClientSampled :
C0AS2

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.0	4.0	6.0#
164	9.6	8.4	12.6

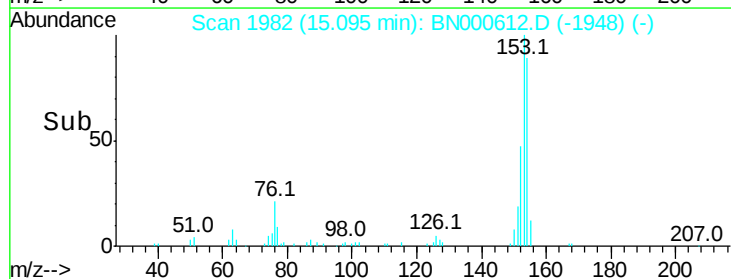
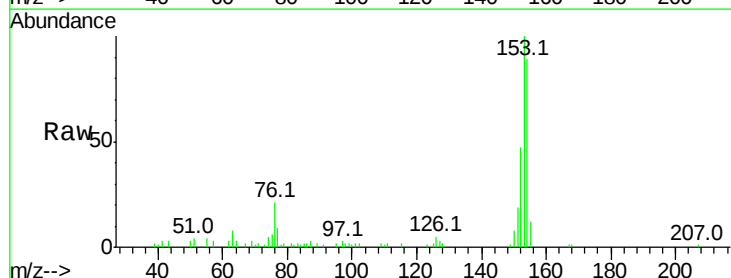
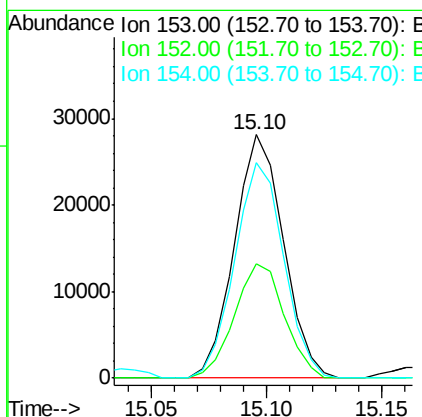
Manual Integrations
APPROVED

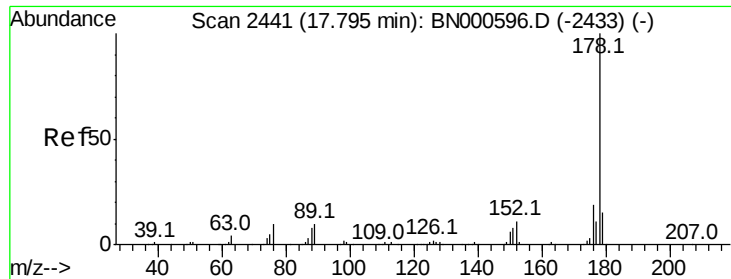
Sohil
3/26/2018 6:39:41 PM



#49
Acenaphthene
Concen: 1.418 ng/ul
RT: 15.10 min Scan# 1982
Delta R.T. 0.00 min
Lab File: BN000612.D
Acq: 24 Mar 2018 10:53

Tgt Ion	Ratio	Resp Lower	Upper
153	100		
152	47.2	37.9	56.9
154	88.6	69.8	104.6





#69

Phenanthrene

Concen: 7.950 ng/ul

RT: 17.80 min Scan# 2442

Delta R.T. 0.01 min

Lab File: BN000612.D

Acq: 24 Mar 2018 10:53

Instrument :

BNA_N

ClientSampleId :

C0AS2

Tot Ion:178 Resp: 330474

Ion Ratio Lower Upper

178 100

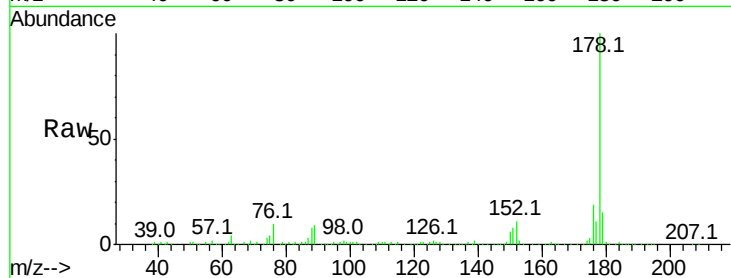
179 15.4 12.3 18.5

176 18.5 15.4 23.0

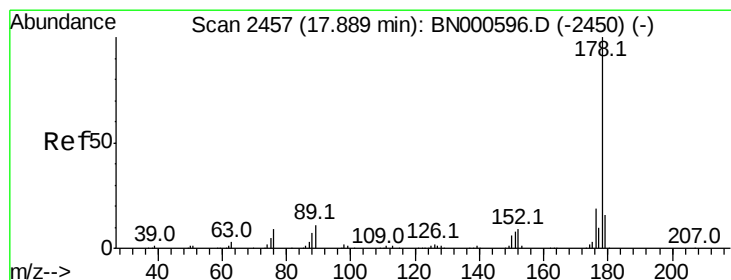
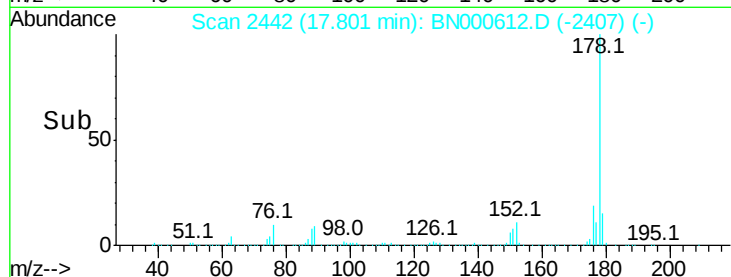
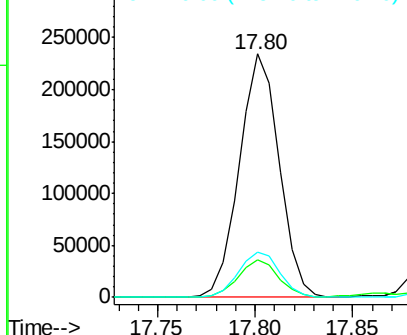
Manual Integrations
APPROVED

Sohil

3/26/2018 6:39:41 PM



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: 2.000 ng/ul

RT: 17.90 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BN000612.D

Acq: 24 Mar 2018 10:53

Tgt Ion:178 Resp: 85260

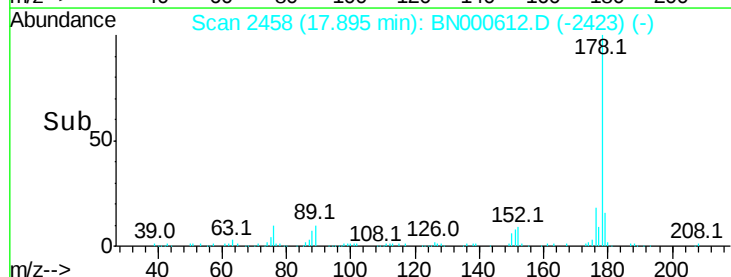
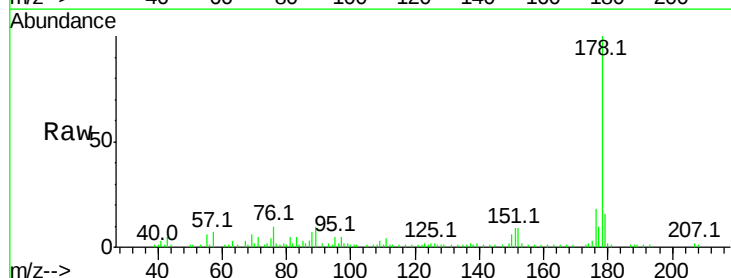
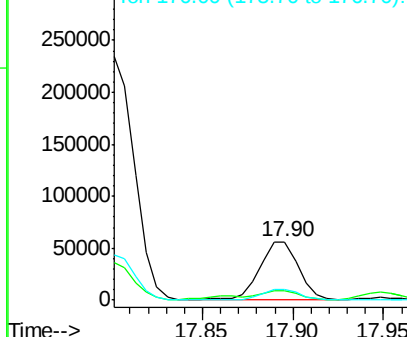
Ion Ratio Lower Upper

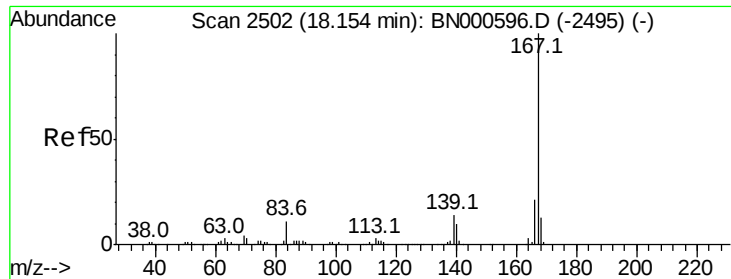
178 100

179 16.2 13.4 20.2

176 18.4 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: 1.236 ng/ul

RT: 18.15 min Scan# 2502

Delta R.T. 0.00 min

Lab File: BN000612.D

Acq: 24 Mar 2018 10:53

Instrument :

BNA_N

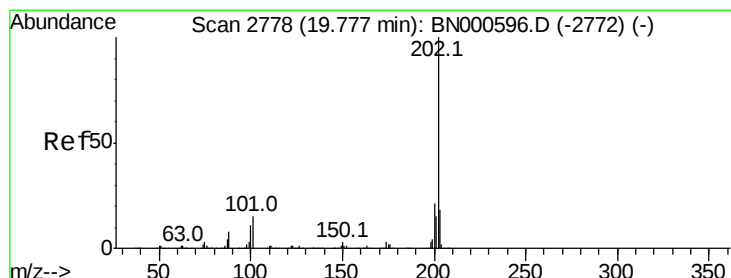
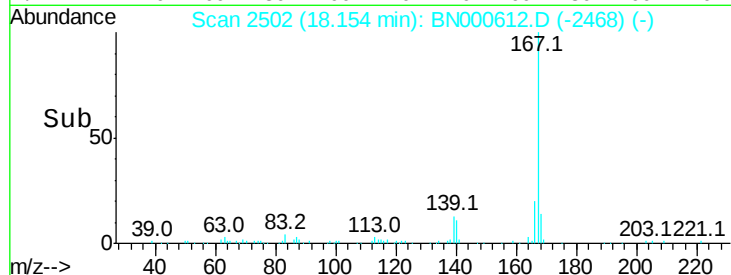
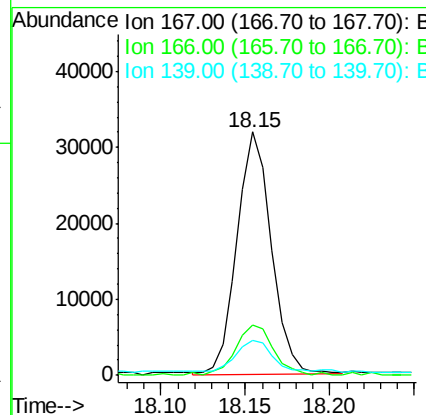
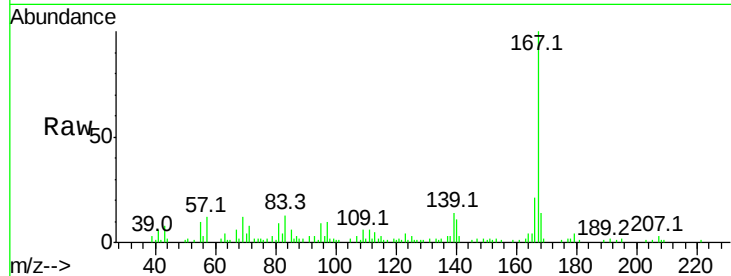
ClientSampleId :

C0AS2

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.4
139	14.1	9.1	13.7

Manual Integrations
APPROVED

Sohil
3/26/2018 6:39:41 PM



#74

Fluoranthene

Concen: 13.332 ng/ul

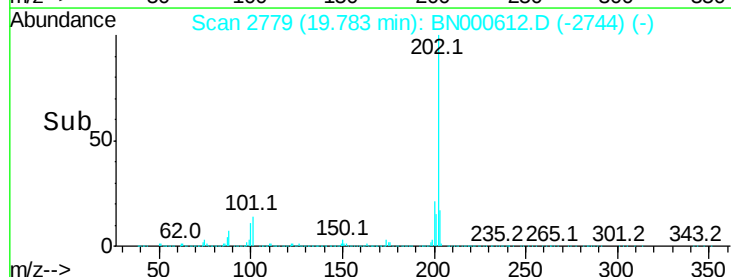
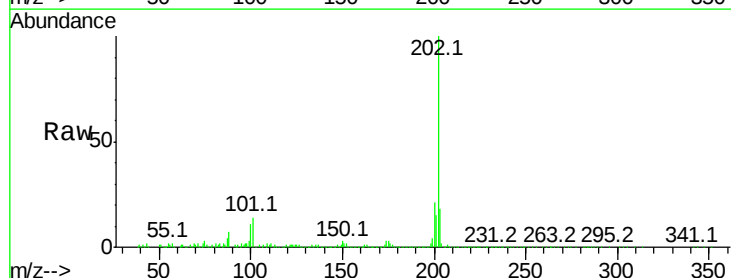
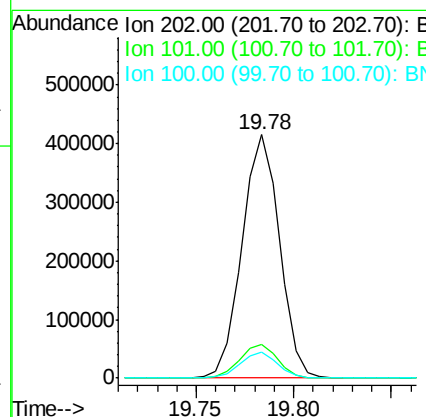
RT: 19.78 min Scan# 2779

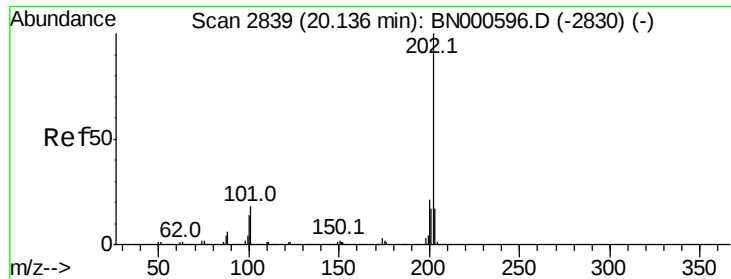
Delta R.T. 0.01 min

Lab File: BN000612.D

Acq: 24 Mar 2018 10:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	6.1	9.1
100	10.6	4.6	7.0





#77

Pvrene

Concen: 13.034 ng/ul

RT: 20.14 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BN000612.D

Acq: 24 Mar 2018 10:53

Instrument :

BNA_N

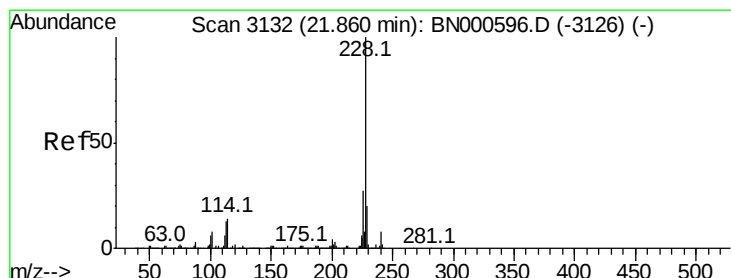
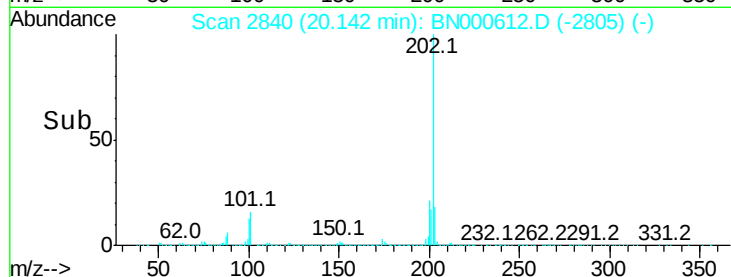
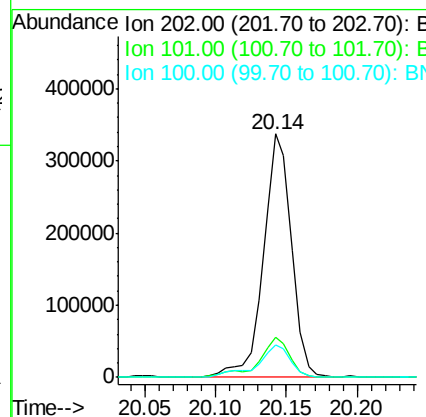
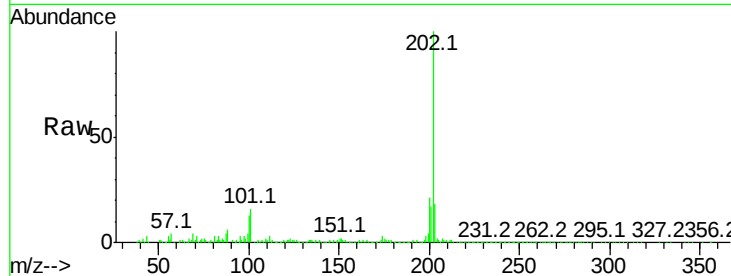
ClientSampled :

C0AS2

Tot Ion:	202	Resp:	468339
Ion Ratio	Lower	Upper	
202	100		
101	16.3	6.9	10.3#
100	13.3	5.6	8.4#

Manual Integrations
APPROVED

Sohil
3/26/2018 6:39:41 PM



#80

Benzo(a)anthracene

Concen: 8.077 ng/ul

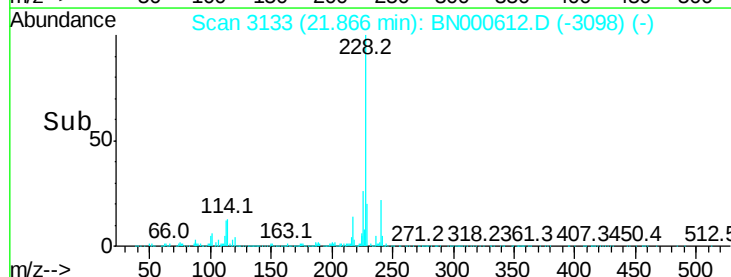
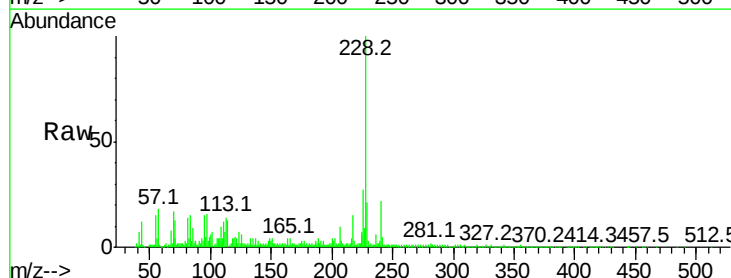
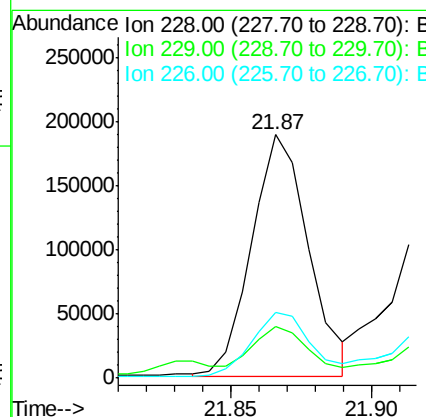
RT: 21.87 min Scan# 3133

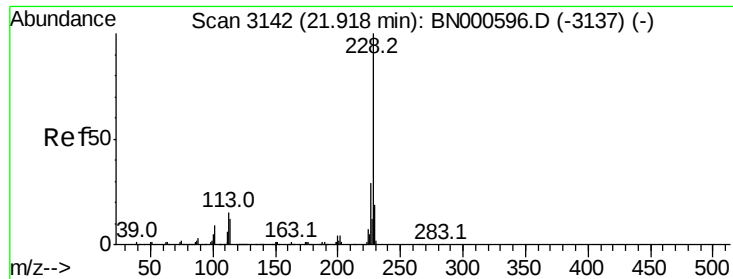
Delta R.T. 0.01 min

Lab File: BN000612.D

Acq: 24 Mar 2018 10:53

Tgt Ion:	228	Resp:	264759
Ion Ratio	Lower	Upper	
228	100		
229	21.2	16.0	24.0
226	26.8	21.8	32.8





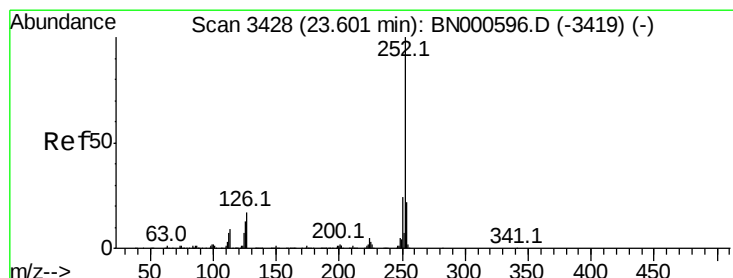
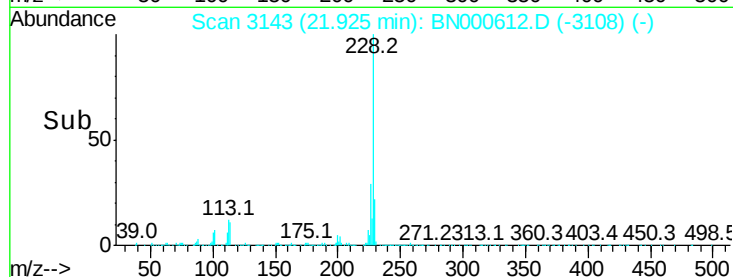
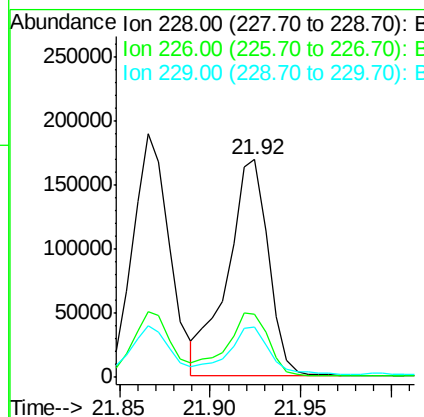
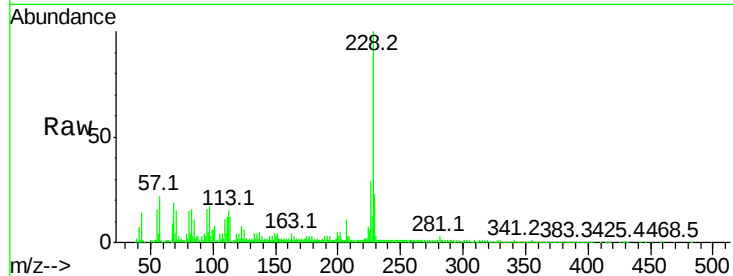
#82
Chrysene
Concen: 8.649 ng/ul
RT: 21.92 min Scan# 3143
Delta R.T. 0.01 min
Lab File: BN000612.D
Acq: 24 Mar 2018 10:53

Instrument :
BNA_N
ClientSampled :
C0AS2

Tot Ion:	228	Resp:	265779
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.1	36.1
229	22.9	16.0	24.0

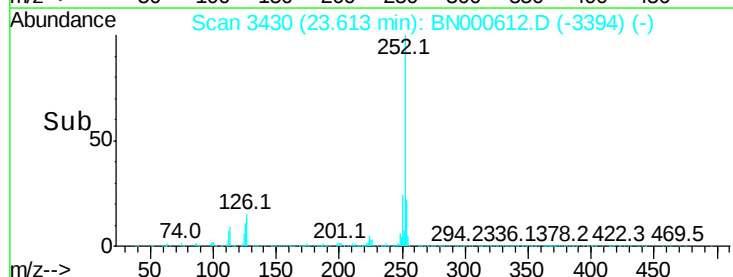
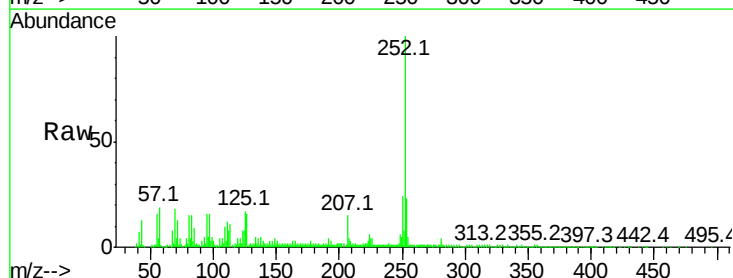
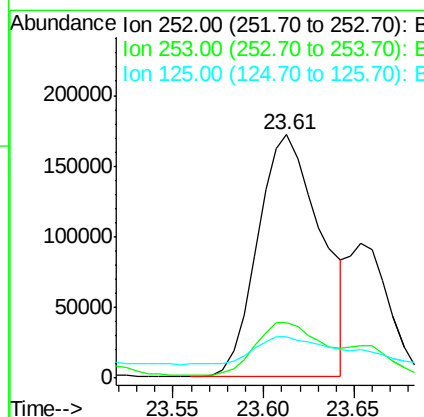
Manual Integrations
APPROVED

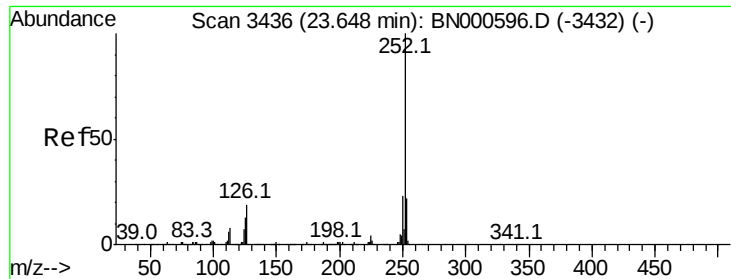
Sohil
3/26/2018 6:39:41 PM



#85
Benzo(b)fluoranthene
Concen: 12.269 ng/ul
RT: 23.61 min Scan# 3430
Delta R.T. 0.01 min
Lab File: BN000612.D
Acq: 24 Mar 2018 10:53

Tgt Ion:	252	Resp:	416285
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.0
125	16.9	4.9	7.3#





#86

Benzo(k)fluoranthene

Concen: 4.442 ng/ul m

RT: 23.65 min Scan# 3437

Delta R.T. 0.01 min

Lab File: BN000612.D

Acq: 24 Mar 2018 10:53

Instrument :

BNA_N

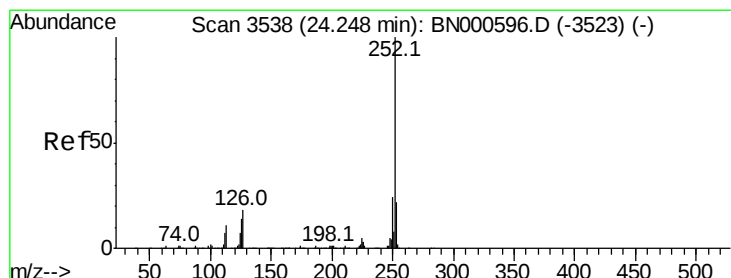
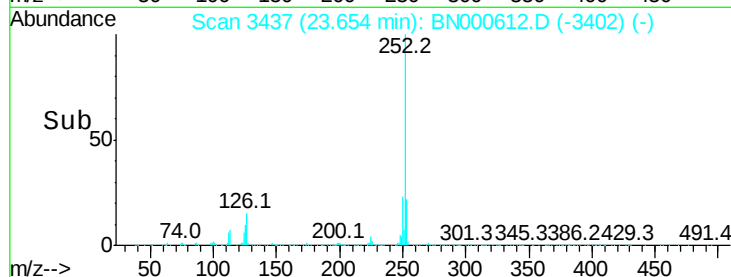
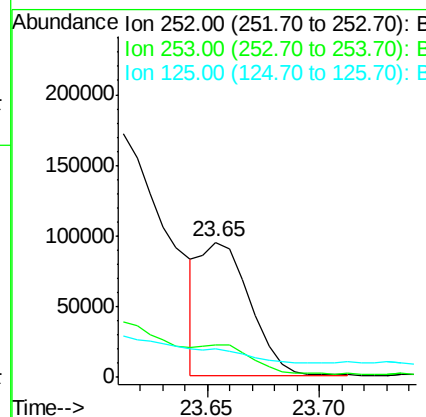
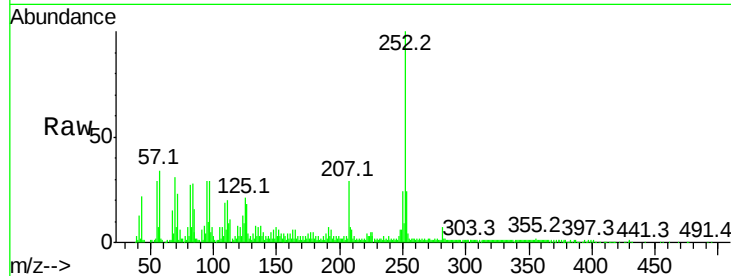
ClientSampled :

C0AS2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	20.7	5.4	8.0#

Manual Integrations
APPROVED

Sohil
3/26/2018 6:39:41 PM



#88

Benzo(a)pyrene

Concen: 9.692 ng/ul

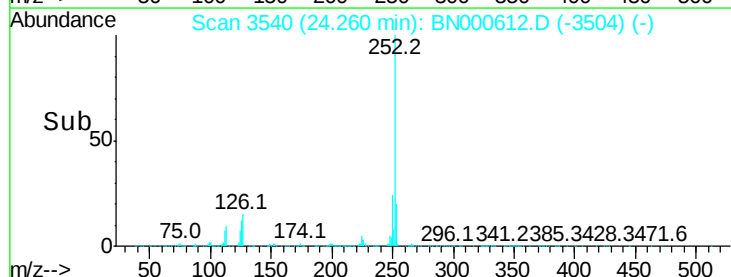
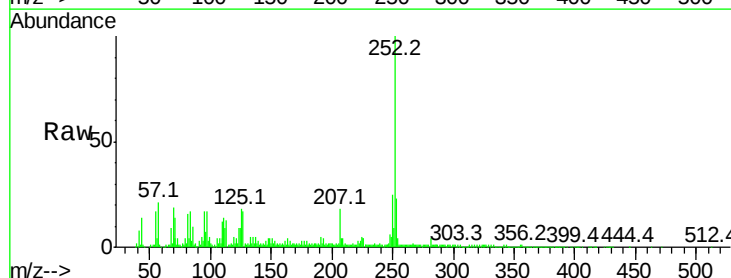
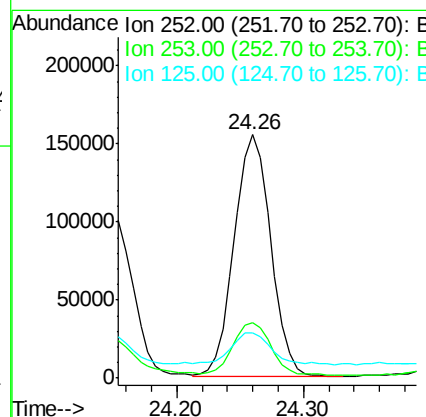
RT: 24.26 min Scan# 3540

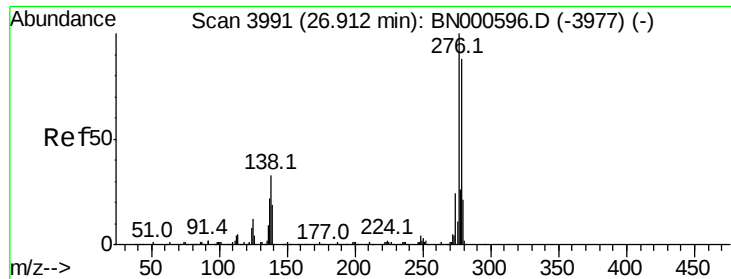
Delta R.T. 0.01 min

Lab File: BN000612.D

Acq: 24 Mar 2018 10:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	18.4	5.8	8.6#





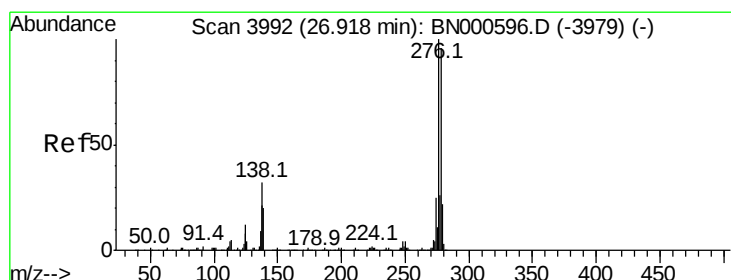
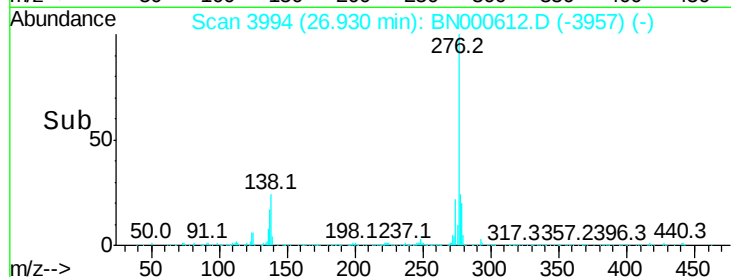
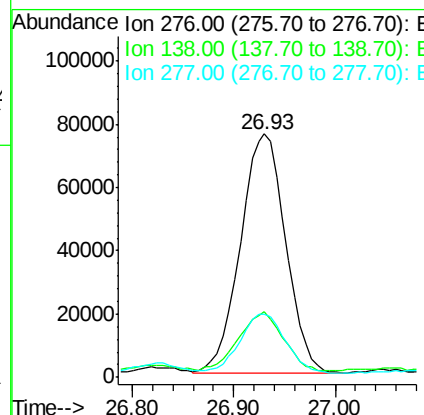
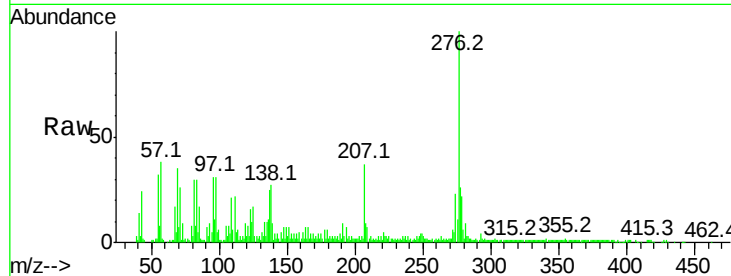
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 6.762 ng/ul
 RT: 26.93 min Scan# 3994
 Delta R.T. 0.02 min
 Lab File: BN000612.D
 Acq: 24 Mar 2018 10:53

Instrument :
 BNA_N
 ClientSampled :
 C0AS2

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	10.9	16.3#
277	26.2	18.9	28.3

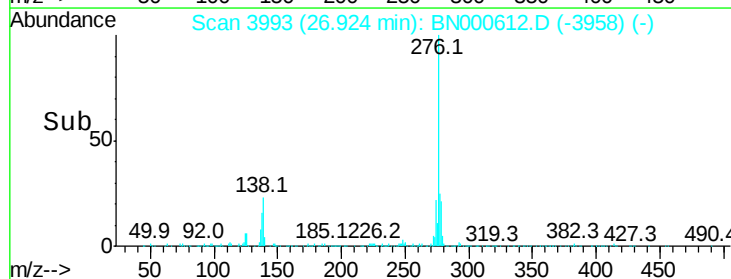
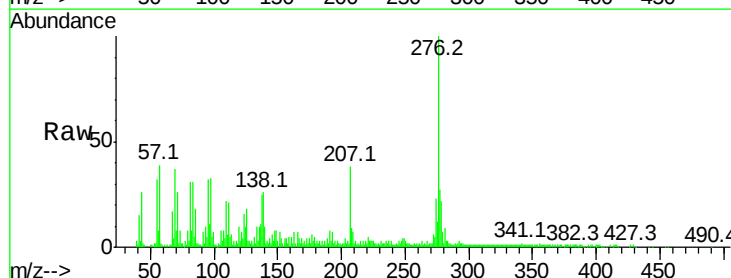
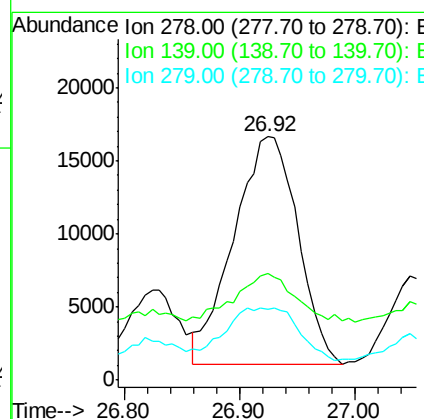
Manual Integrations
 APPROVED

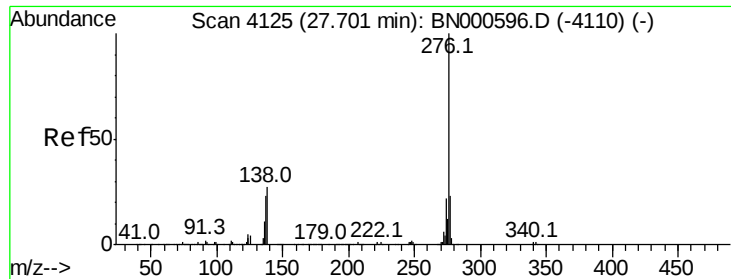
Sohil
 3/26/2018 6:39:41 PM



#90
 Dibenzo(a,h)anthracene
 Concen: 2.098 ng/ul
 RT: 26.92 min Scan# 3993
 Delta R.T. 0.01 min
 Lab File: BN000612.D
 Acq: 24 Mar 2018 10:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	43.6	9.0	13.4#
279	29.2	19.1	28.7#





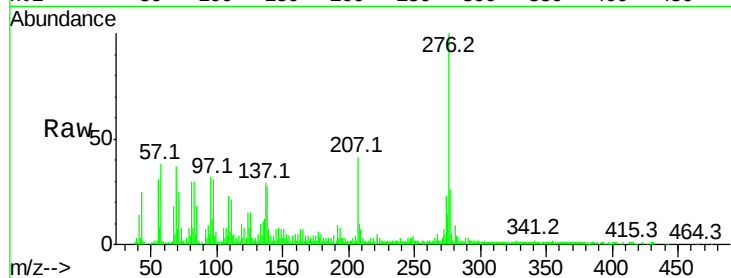
#91
 Benzo(a,h,i)perylene
 Concen: 7.999 ng/ul
 RT: 27.72 min Scan# 4129
 Delta R.T. 0.02 min
 Lab File: BN000612.D
 Acq: 24 Mar 2018 10:53

Instrument :
 BNA_N
 ClientSampleId :
 C0AS2

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	11.2	16.8#
277	25.7	19.0	28.6

Manual Integrations
 APPROVED

Sohil
 3/26/2018 6:39:41 PM



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

