

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
 Data File : BN005209.D
 Acq On : 23 Apr 2019 11:58
 Operator : JU/SJ
 Sample : K2402-06DL 5X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAHH8DL

Manual Integrations
 APPROVED

Sohil
 4/25/2019 5:36:47 AM

Quant Time: Apr 23 18:38:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 23 03:50:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	498845	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2166657	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1248861	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2703014	20.00	ng/ul	0.00
77) Chrysene-d12	21.24	240	2335686	20.00	ng/ul	0.02
85) Perylene-d12	23.47	264	2562225	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	4989	0.48	ng/uL	0.00
5) Phenol-d5	6.78	99	101412	2.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	66817	2.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	82117	2.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	63499	2.07	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	37678	2.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	33083	2.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	75859	2.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	71370	2.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	239239	2.64	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	307599	2.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	18463	1.29	ng/ul	0.00
57) Fluorene-d10	15.23	176	223467	2.94	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	2782	0.23	ng/ul	0.00
70) Anthracene-d10	17.09	188	324618	2.86	ng/ul	0.00
78) Pyrene-d10	19.40	212	349474	2.92	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.32	264	318696	2.85	ng/ul	0.04

Target Compounds

					Ovalue	
28) Naphthalene	10.41	128	4606104	45.730	ng/ul	99
34) 2-Methylnaphthalene	12.03	142	1383728	18.762	ng/ul	100
40) 1,1'-Biphenyl	13.06	154	274902	2.954	ng/ul	99
47) Acenaphthylene	13.95	152	669586	6.119	ng/ul	98
49) Acenaphthene	14.30	153	85388	1.143	ng/ul	98
58) Fluorene	15.29	166	610575	7.275	ng/ul	95
69) Phenanthrene	17.03	178	3070702	23.326	ng/ul	100
71) Anthracene	17.12	178	734811	5.479	ng/ul	99
76) Fluoranthene	19.06	202	1248188	8.548	ng/ul	100
79) Pyrene	19.43	202	1788371	11.892	ng/ul	99
82) Benzo(a)anthracene	21.22	228	619988m	4.267	ng/ul	
84) Chrysene	21.27	228	545379	4.044	ng/ul	99
87) Benzo(b)fluoranthene	22.82	252	435789	3.026	ng/ul	99
90) Benzo(a)pyrene	23.37	252	473154	3.495	ng/ul#	97
91) Indeno(1,2,3-cd)pyrene	25.64	276	184302	1.231	ng/ul	97
93) Benzo(g,h,i)perylene	26.31	276	153430	1.240	ng/ul	96

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

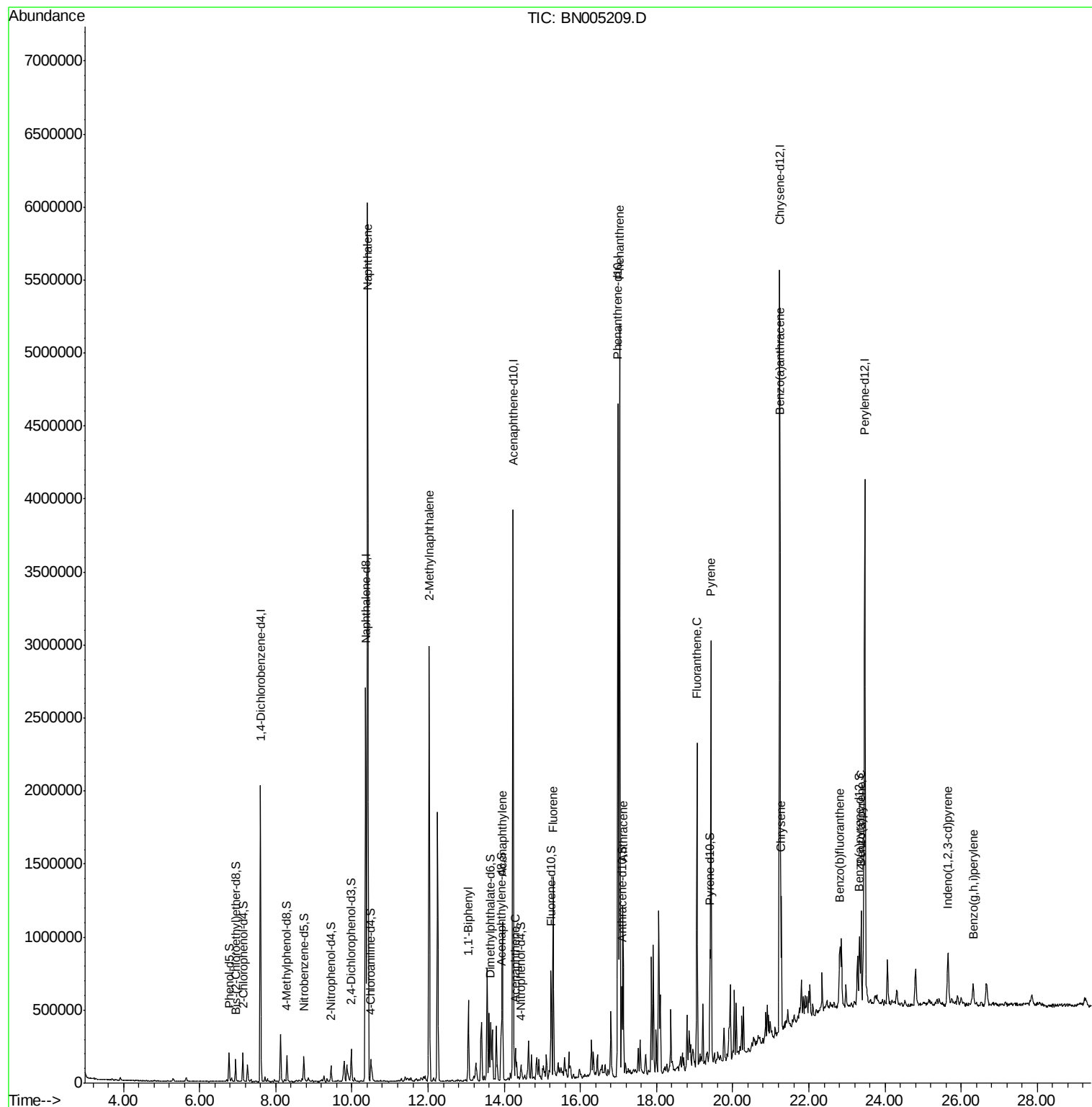
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005209.D
Acq On : 23 Apr 2019 11:58
Operator : JU/SJ
Sample : K2402-06DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

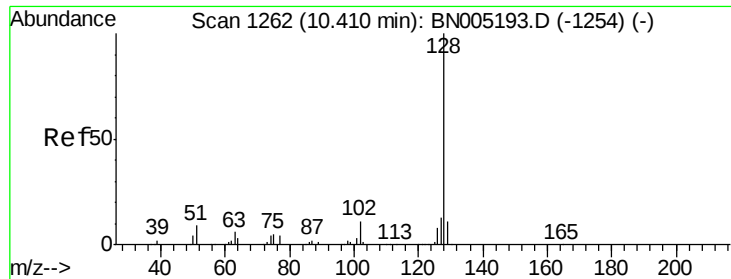
Instrument :
BNA_N
ClientSampleId :
GAHH8DL

Manual Integrations
APPROVED

Sohil
4/25/2019 5:36:47 AM

Quant Time: Apr 23 18:38:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration





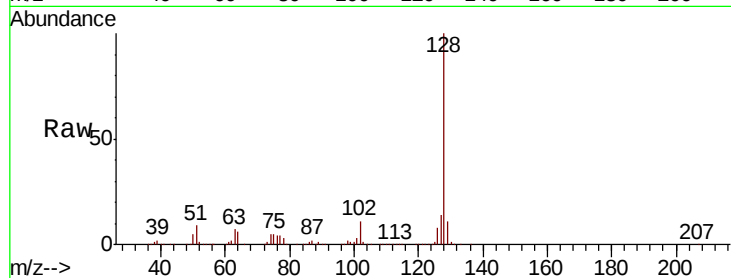
#28
Naphthalene
Concen: 45.730 ng/ul
RT: 10.41 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

Instrument :
BNA_N
ClientSampleId :
GAHH8DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.6	10.7	16.1

Manual Integrations
APPROVED

Sohil
4/25/2019 5:36:47 AM

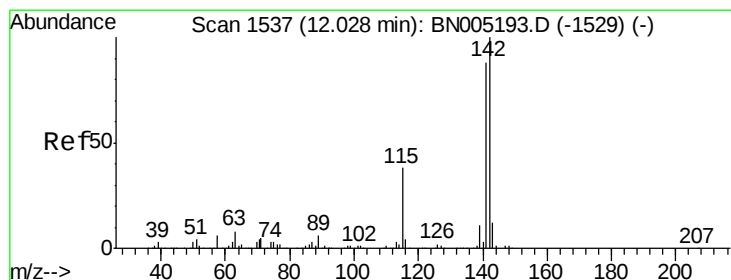
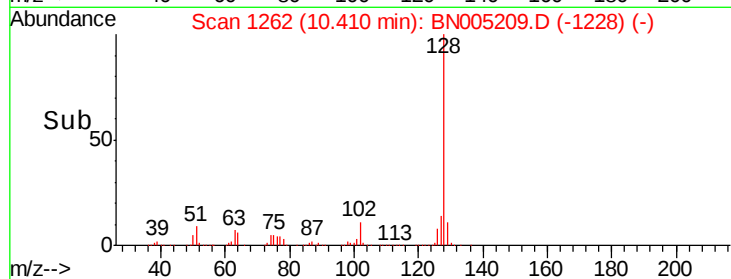
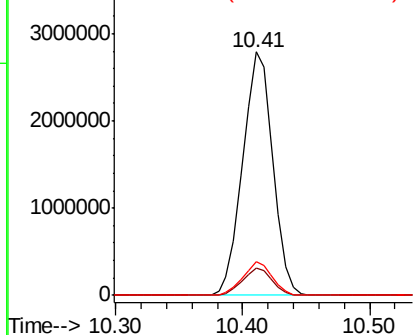


Abundance

Ion 128.00 (127.70 to 128.70): E

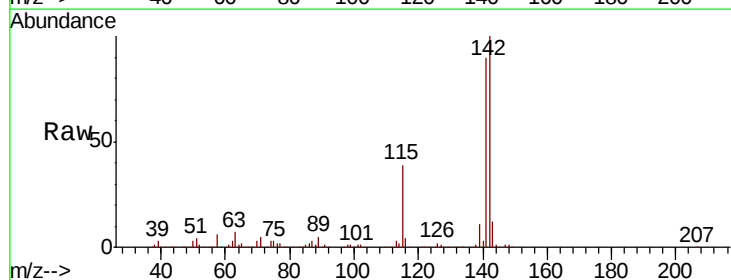
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 18.762 ng/ul
RT: 12.03 min Scan# 1537
Delta R.T. -0.01 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

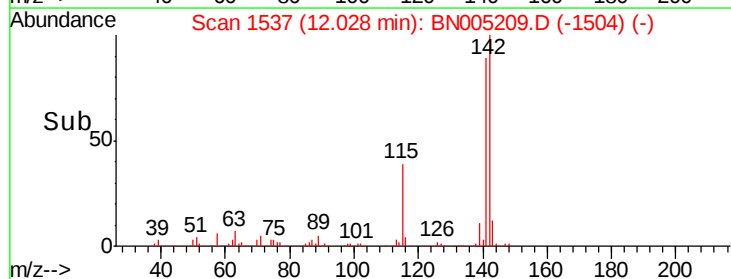
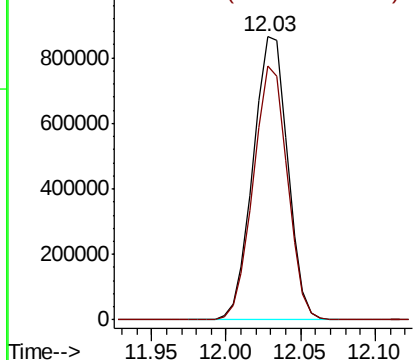
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.0	108.0

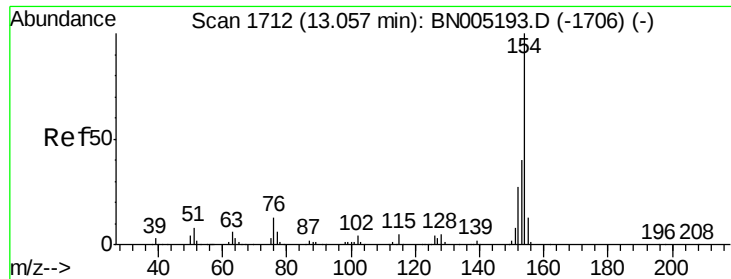


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





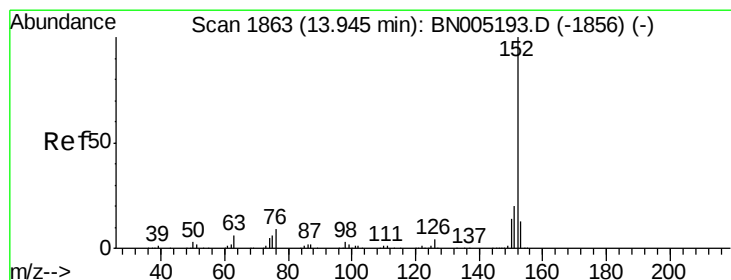
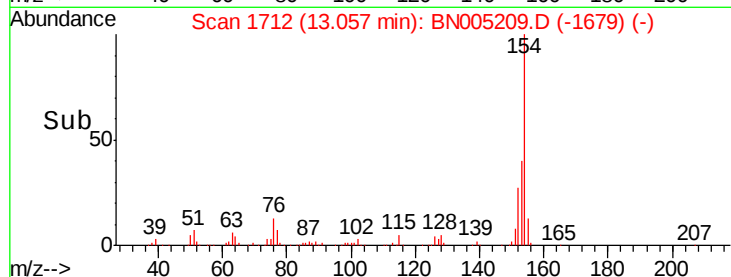
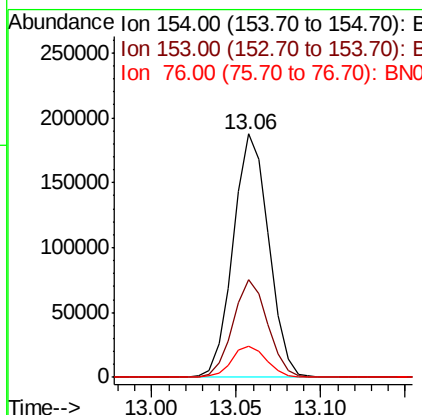
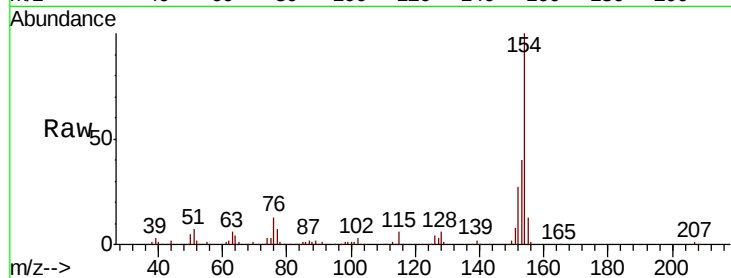
#40
1,1'-Biphenyl
Concen: 2.954 ng/ul
RT: 13.06 min Scan# 1712
Delta R.T. -0.01 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

Instrument :
BNA_N
ClientSampleID :
GAHH8DL

Tot Ion:	154	Resp:	274902
Ion Ratio	Lower	Upper	
154	100		
153	40.4	32.6	49.0
76	12.8	10.4	15.6

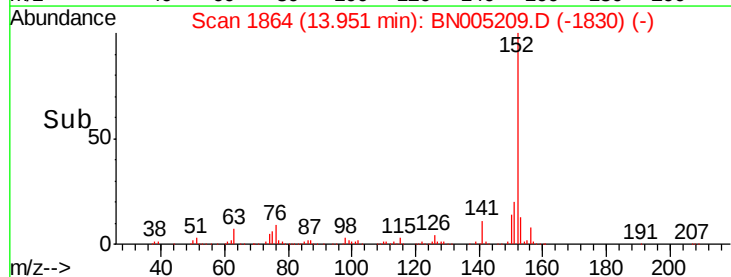
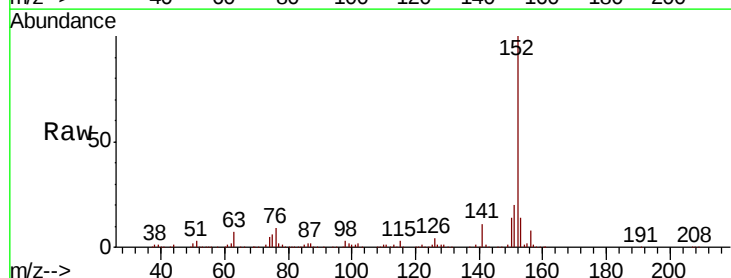
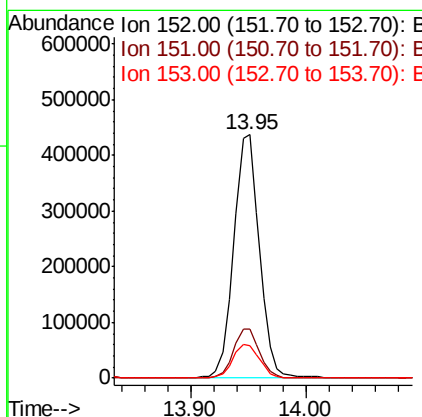
Manual Integrations
APPROVED

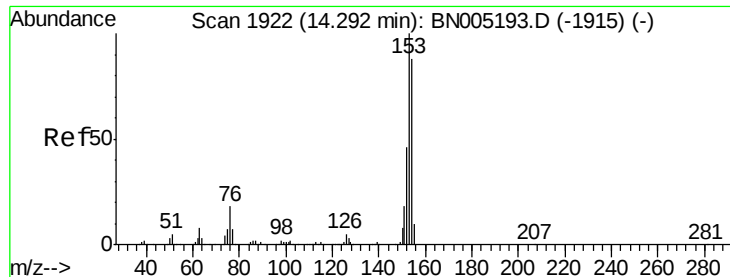
Sohil
4/25/2019 5:36:47 AM



#47
Acenaphthylene
Concen: 6.119 ng/ul
RT: 13.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

Tgt Ion:	152	Resp:	669586
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.8	23.8
153	13.5	9.8	14.8





#49

Acenaphthene

Concen: 1.143 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BN005209.D

Acq: 23 Apr 2019 11:58

Instrument :

BNA_N

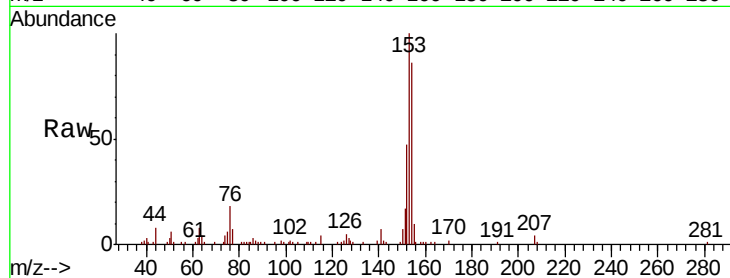
ClientSampleId :

GAHH8DL

Tot Ion:	153	Resp:	85388
Ion Ratio	Lower	Upper	
153	100		
152	46.9	37.4	56.0
154	86.2	71.2	106.8

Manual Integrations
APPROVED

Sohil
4/25/2019 5:36:47 AM

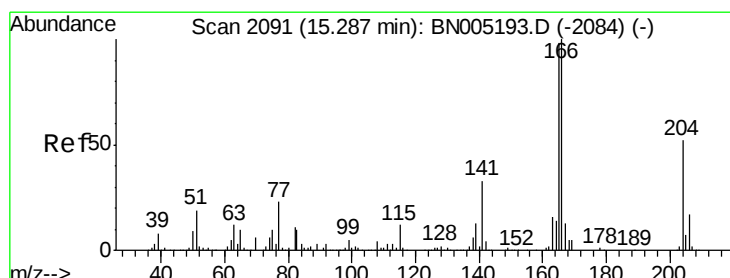
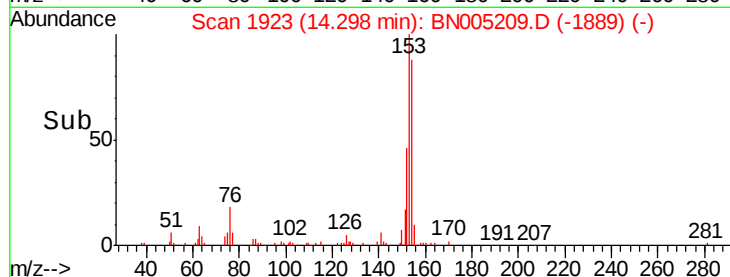
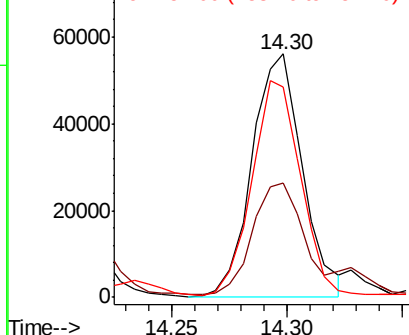


Abundance

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: 7.275 ng/ul

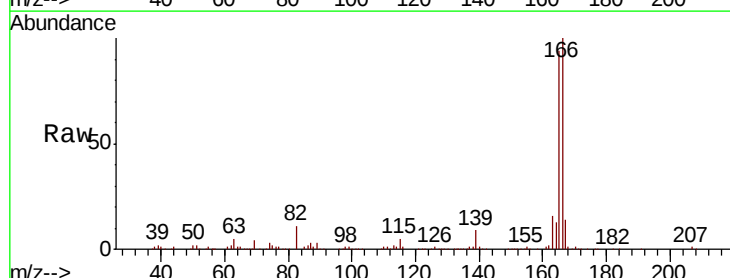
RT: 15.29 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BN005209.D

Acq: 23 Apr 2019 11:58

Tgt Ion:	166	Resp:	610575
Ion Ratio	Lower	Upper	
166	100		
165	94.4	80.0	120.0
167	13.5	10.7	16.1

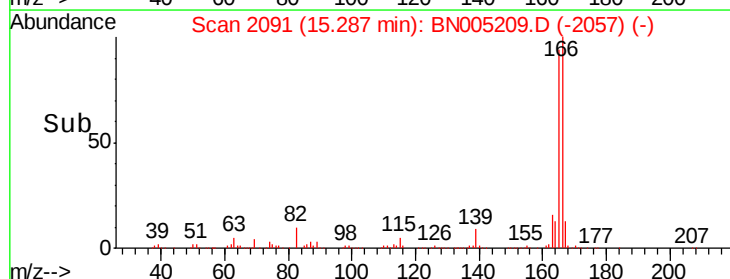
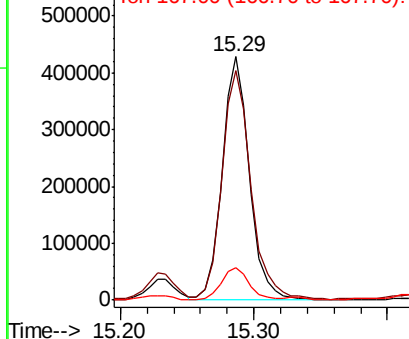


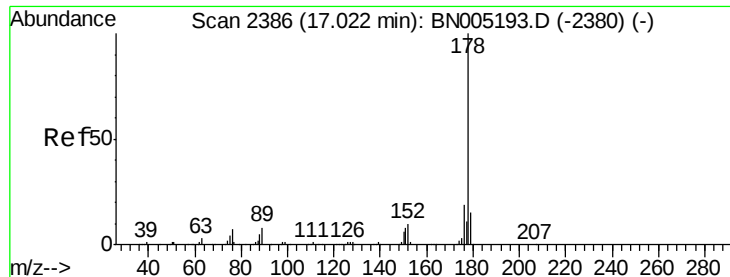
Abundance

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





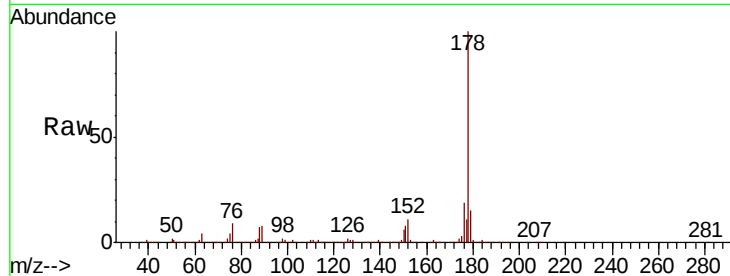
#69
Phenanthrene
Concen: 23.326 ng/ul
RT: 17.03 min Scan# 2387
Delta R.T. -0.00 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

Instrument :
BNA_N
ClientSampleId :
GAHH8DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.4
176	18.7	15.1	22.7

Manual Integrations
APPROVED

Sohil
4/25/2019 5:36:47 AM

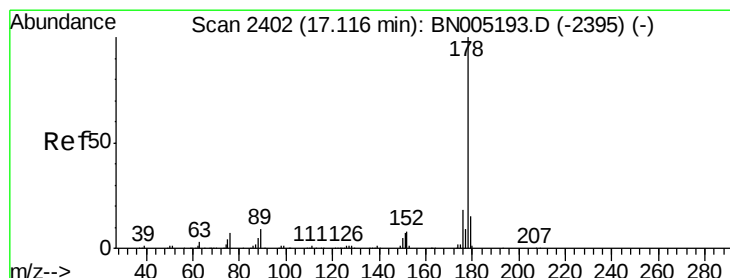
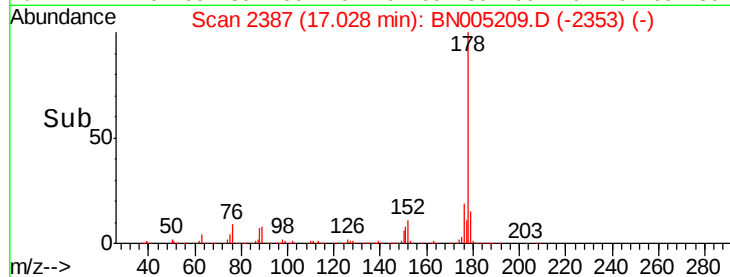
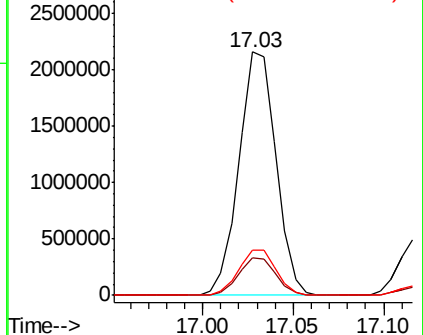


Abundance

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: 5.479 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. -0.00 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

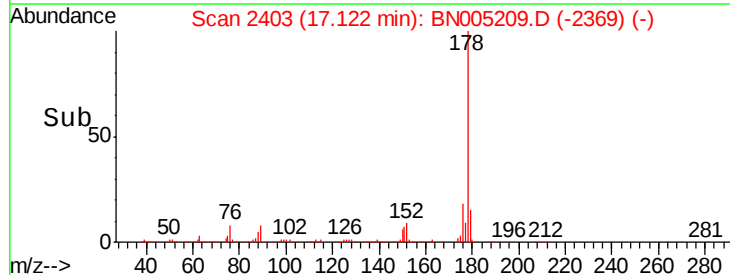
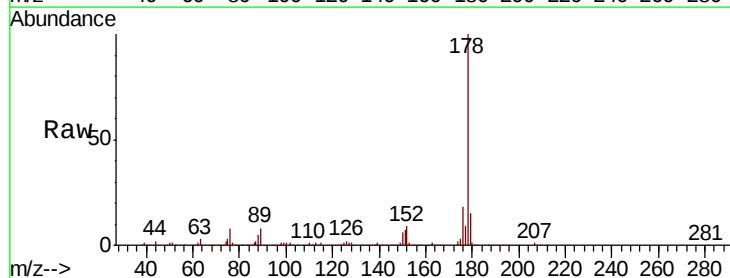
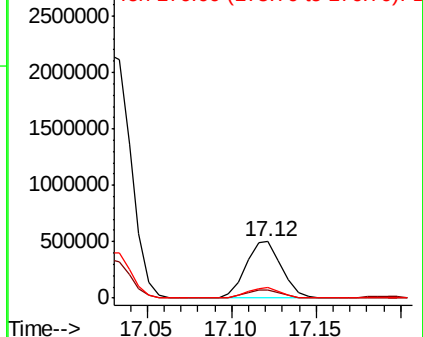
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	17.8	15.1	22.7

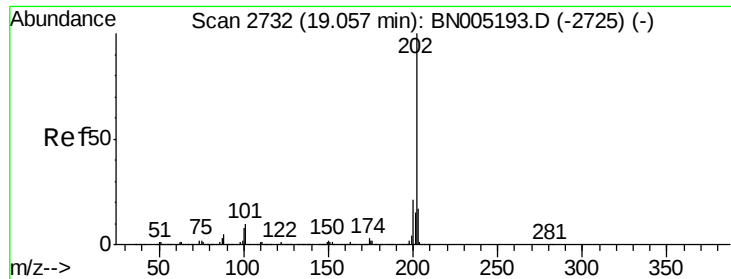
Abundance

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





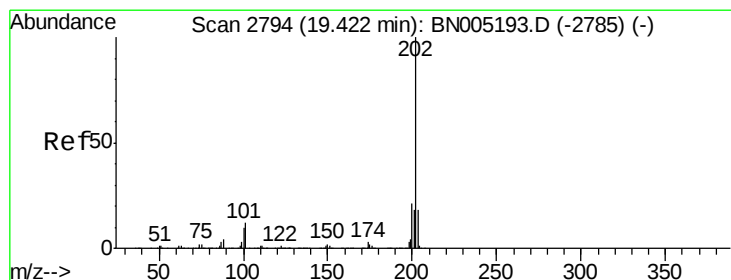
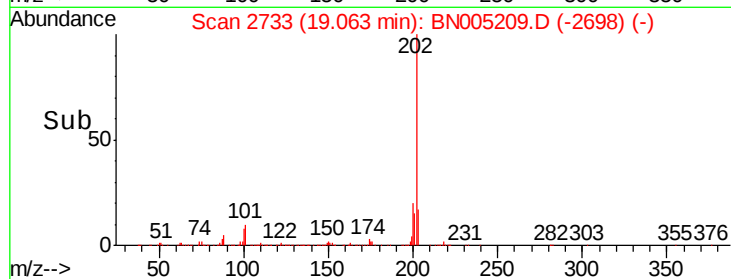
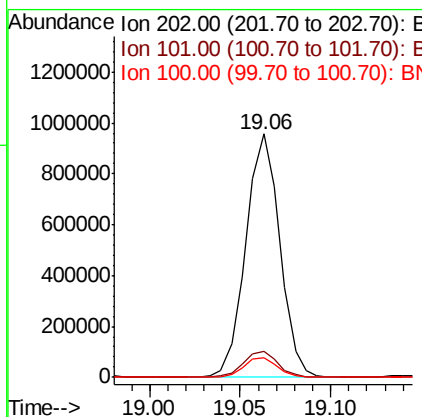
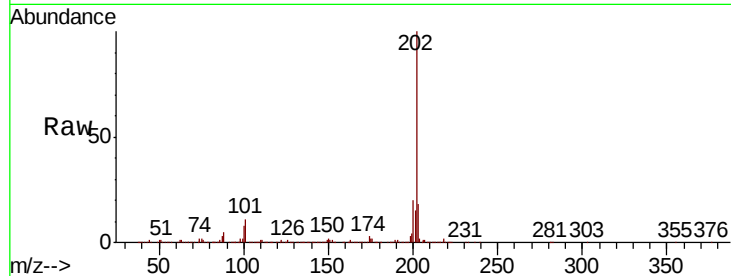
#76
Fluoranthene
Concen: 8.548 ng/ul
RT: 19.06 min Scan# 2733
Delta R.T. 0.01 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

Instrument :
BNA_N
ClientSampleId :
GAHH8DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.6	12.8
100	7.9	6.3	9.5

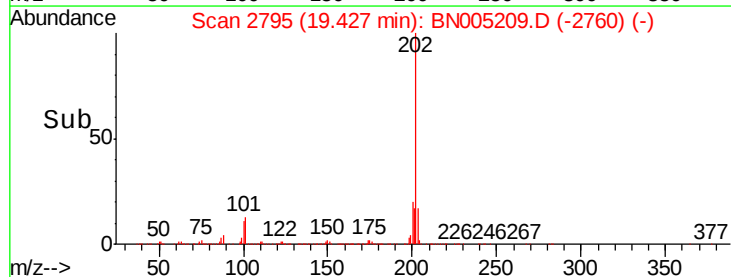
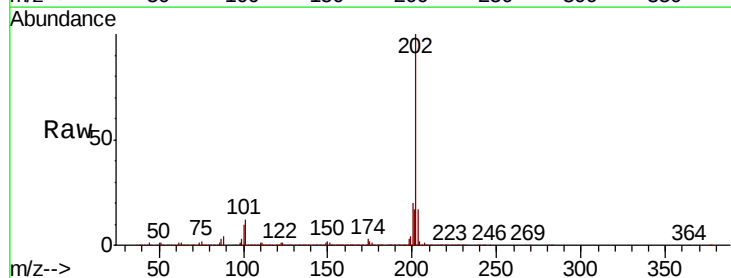
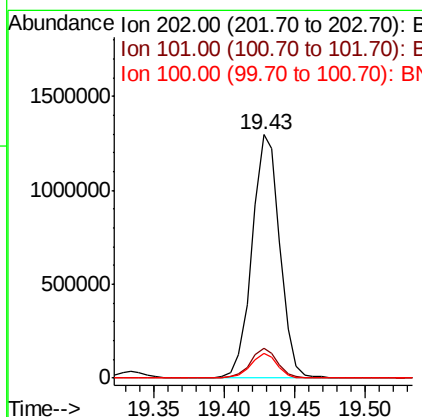
Manual Integrations
APPROVED

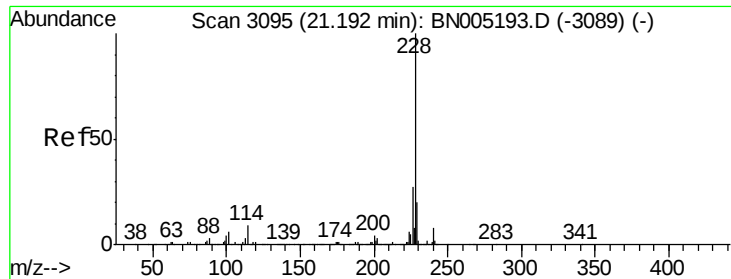
Sohil
4/25/2019 5:36:47 AM



#79
Pyrene
Concen: 11.892 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. 0.01 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	10.3	15.5
100	10.0	7.9	11.9





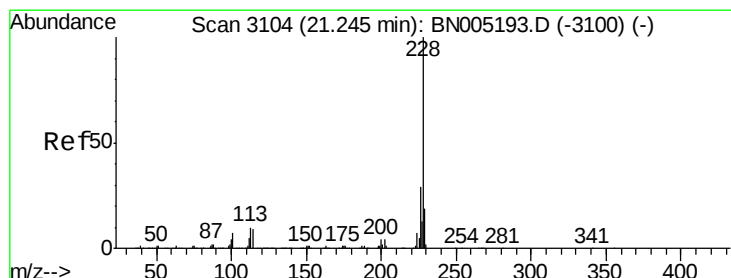
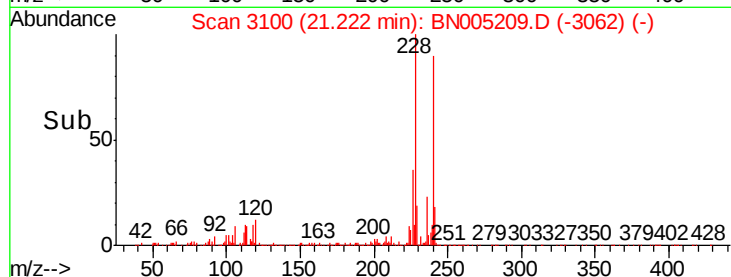
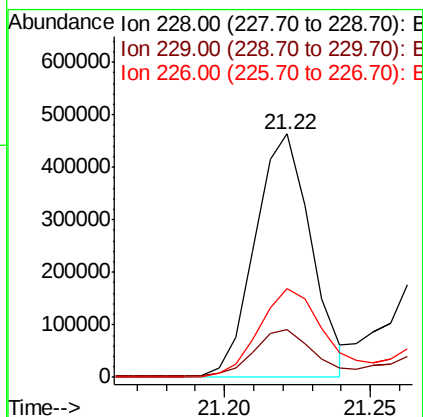
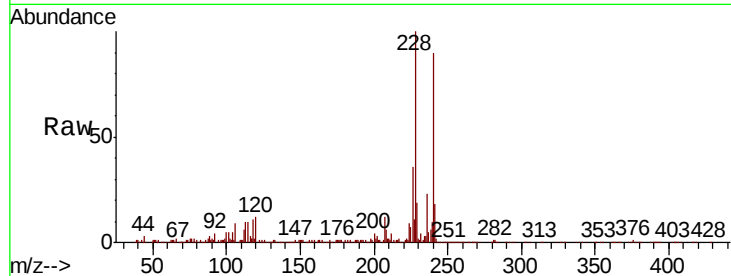
#82
Benzo(a)anthracene
Concen: 4.267 ng/ul m
RT: 21.22 min Scan# 3100
Delta R.T. 0.02 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

Instrument :
BNA_N
ClientSampleId :
GAHH8DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.8	23.6
226	36.4	21.4	32.2

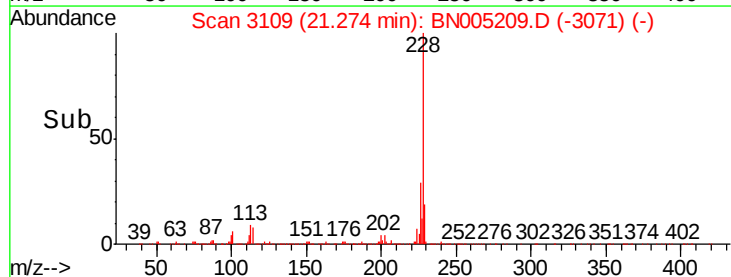
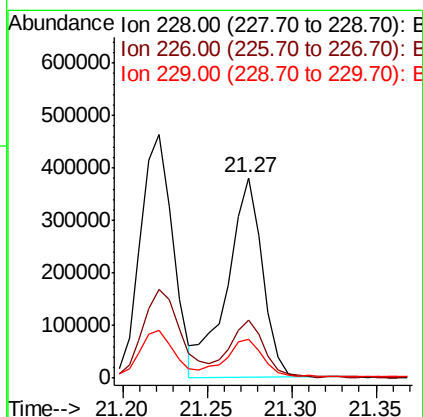
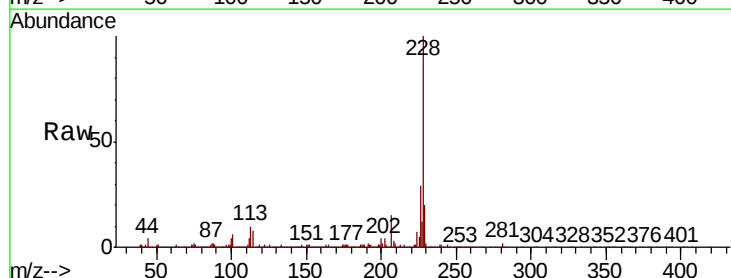
Manual Integrations
APPROVED

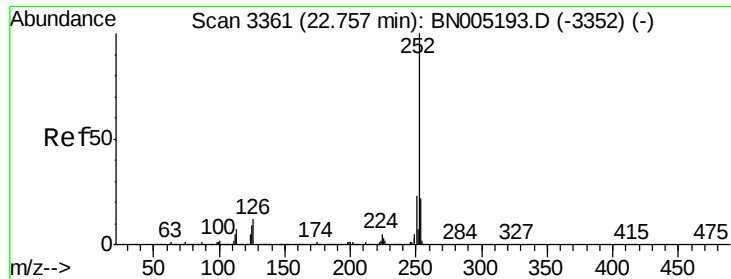
Sohil
4/25/2019 5:36:47 AM



#84
Chrysene
Concen: 4.044 ng/ul
RT: 21.27 min Scan# 3109
Delta R.T. 0.02 min
Lab File: BN005209.D
Acq: 23 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	19.6	15.4	23.0





#87

Benzo(b)fluoranthene

Concen: 3.026 ng/ul

RT: 22.82 min Scan# 3371

Delta R.T. 0.05 min

Lab File: BN005209.D

Acq: 23 Apr 2019 11:58

Instrument :

BNA_N

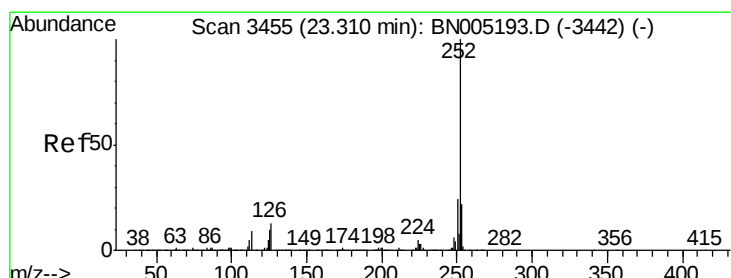
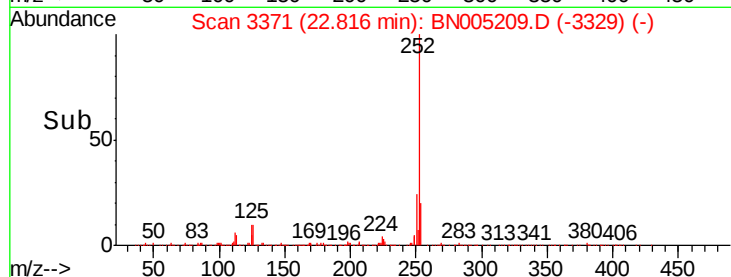
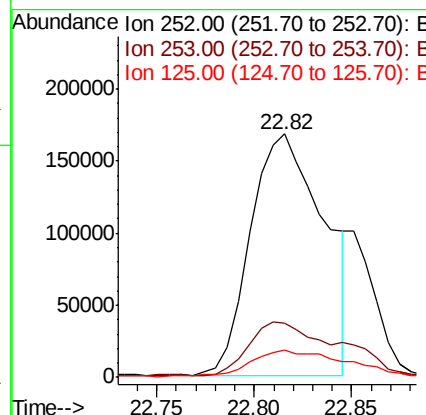
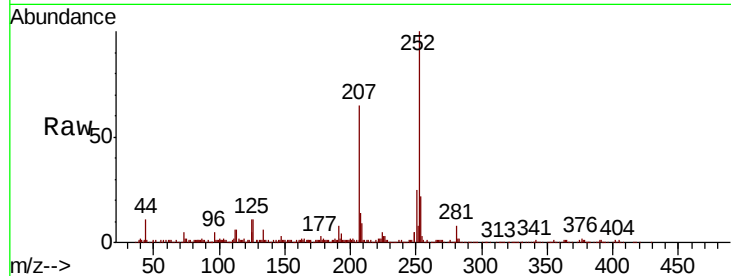
ClientSampleId :

GAHH8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	8.4	12.6

Manual Integrations
APPROVED

Sohil
4/25/2019 5:36:47 AM



#90

Benzo(a)pyrene

Concen: 3.495 ng/ul

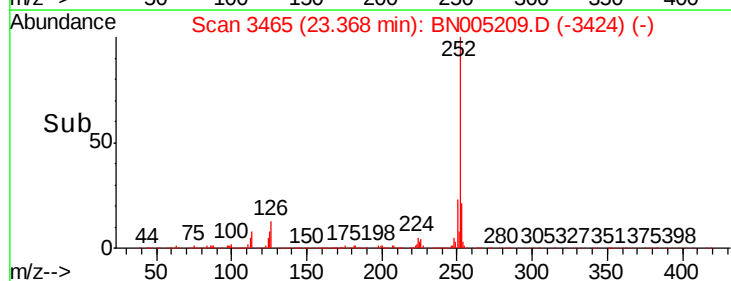
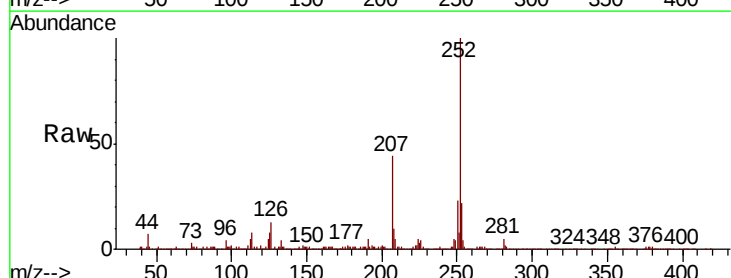
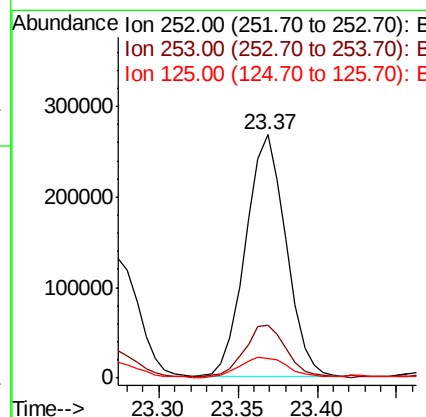
RT: 23.37 min Scan# 3465

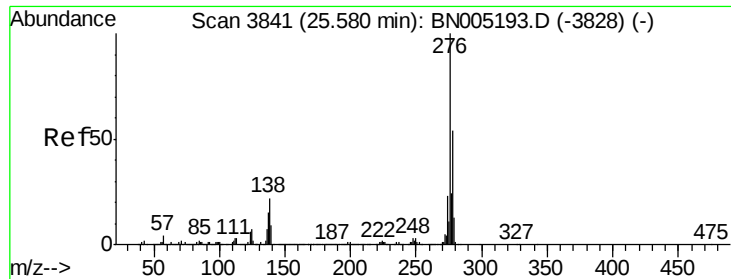
Delta R.T. 0.04 min

Lab File: BN005209.D

Acq: 23 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	8.2	8.6	13.0#





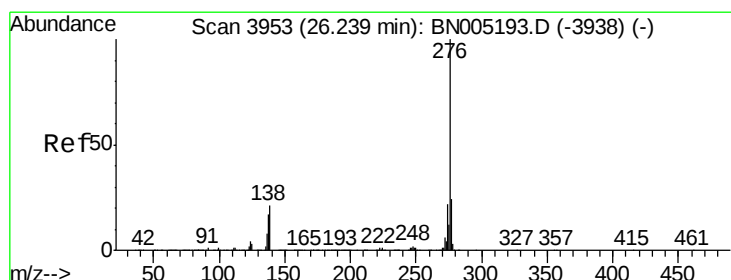
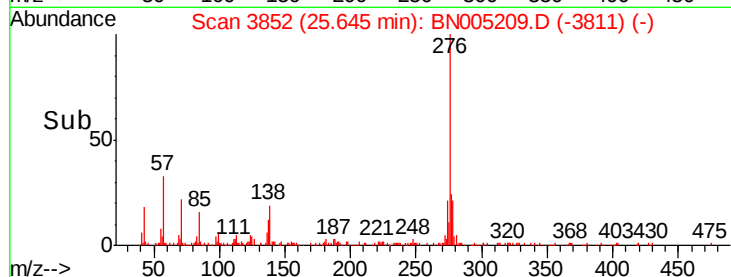
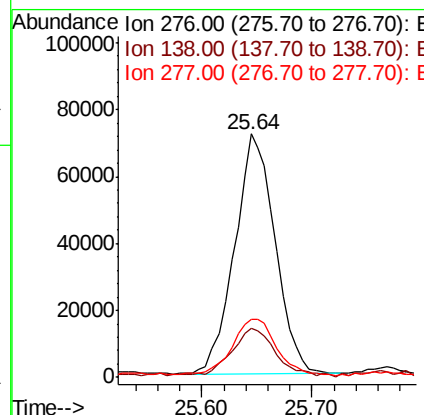
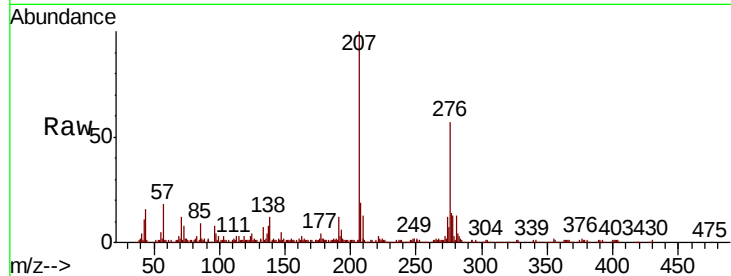
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 1.231 ng/ul
 RT: 25.64 min Scan# 3852
 Delta R.T. 0.04 min
 Lab File: BN005209.D
 Acq: 23 Apr 2019 11:58

Instrument :
 BNA_N
 ClientSampled :
 GAHH8DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	17.9	26.9
277	24.0	19.7	29.5

Manual Integrations
 APPROVED

Sohil
 4/25/2019 5:36:47 AM



#93
 Benzo(g,h,i)perylene
 Concen: 1.240 ng/ul
 RT: 26.31 min Scan# 3965
 Delta R.T. 0.05 min
 Lab File: BN005209.D
 Acq: 23 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.7	25.1
277	25.5	18.2	27.2

