

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
 Data File : BM006512.D
 Acq On : 17 Jul 2016 12:23
 Operator : UM/SJ
 Sample : H3985-18
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJ53

Manual Integrations

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 7/18/2016 7:40:07 PM

Quant Time: Jul 18 08:50:52 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 18 07:39:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	142731	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	605195	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	335243	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	752100	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	864316	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	939681	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	2127	0.63	ng/uL	0.00
5) Phenol-d5	6.79	99	192636	16.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	129674	18.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	148562	15.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	173069	18.62	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	85903	18.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	92078	17.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	165860	16.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	218287	21.34	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	641082	23.36	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	793341	23.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	107125	22.48	ng/ul	0.00
57) Fluorene-d10	15.26	176	583487	23.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	80485	18.50	ng/ul	0.00
70) Anthracene-d10	17.12	188	968469	27.24	ng/ul	0.00
76) Pyrene-d10	19.42	212	1135265	28.97	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.28	264	1235274	28.75	ng/ul	0.01

Target Compounds

					Qvalue
44) Dimethylphthalate	13.73	163	277045	9.95 ng/ul	100
47) Acenaphthylene	13.99	152	70887	2.01 ng/ul#	95
49) Acenaphthene	14.33	153	51054	2.25 ng/ul	97
58) Fluorene	15.32	166	48668	1.84 ng/ul	94
69) Phenanthrene	17.06	178	405328	9.80 ng/ul	99
71) Anthracene	17.15	178	202831	4.77 ng/ul	99
74) Fluoranthene	19.08	202	427811	8.90 ng/ul	99
77) Pyrene	19.44	202	617182	11.96 ng/ul	100
80) Benzo(a)anthracene	21.20	228	373227m	7.08 ng/ul	
82) Chrysene	21.25	228	375844	7.57 ng/ul	96
85) Benzo(b)fluoranthene	22.76	252	321282	5.72 ng/ul#	98
86) Benzo(k)fluoranthene	22.80	252	73570m	1.39 ng/ul	
88) Benzo(a)pyrene	23.32	252	337043	6.27 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.60	276	152358	2.43 ng/ul	97
90) Dibenzo(a,h)anthracene	25.60	278	64125m	1.23 ng/ul	
91) Benzo(g,h,i)perylene	26.28	276	135993	2.46 ng/ul	99

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

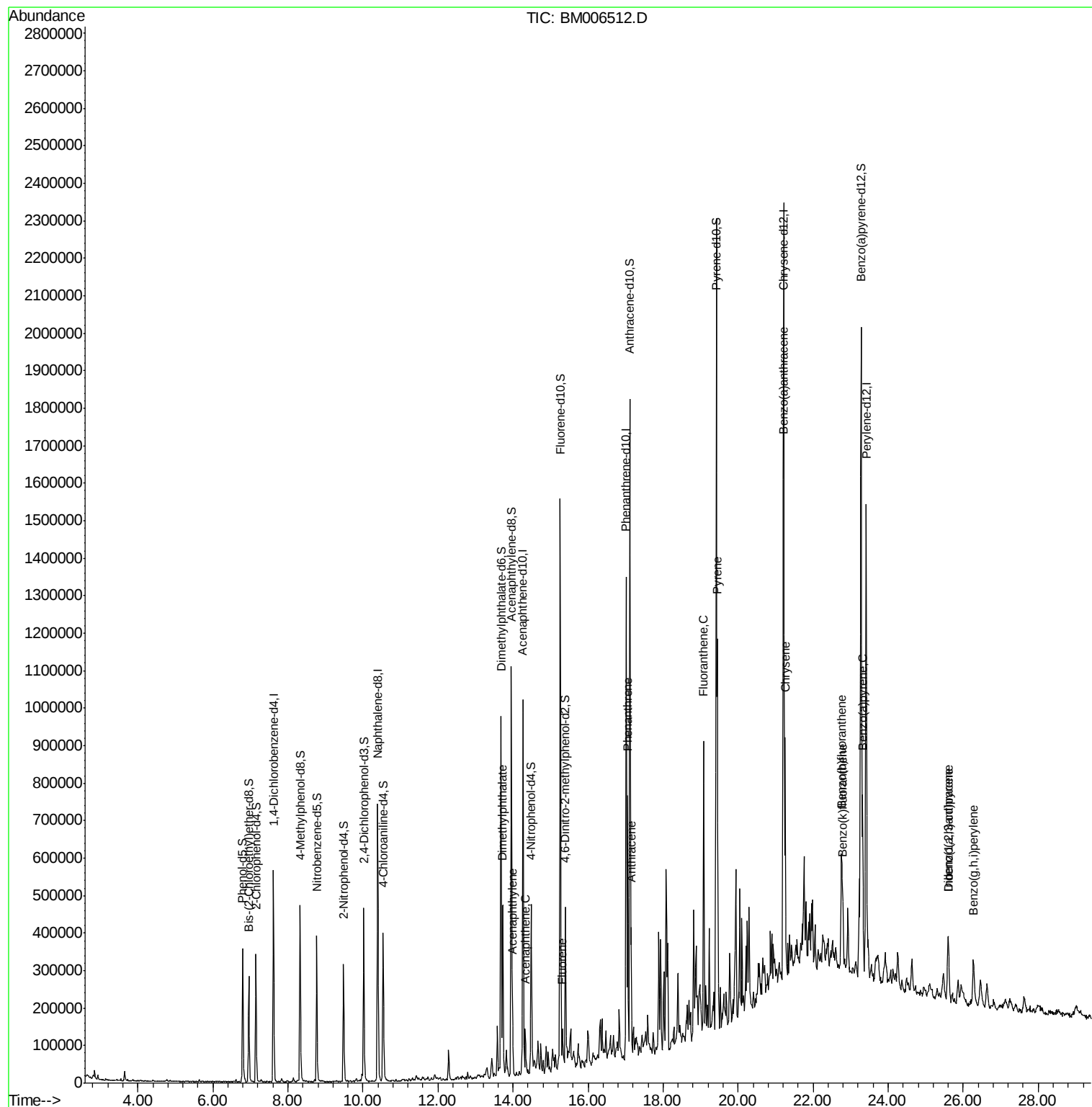
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006512.D
Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

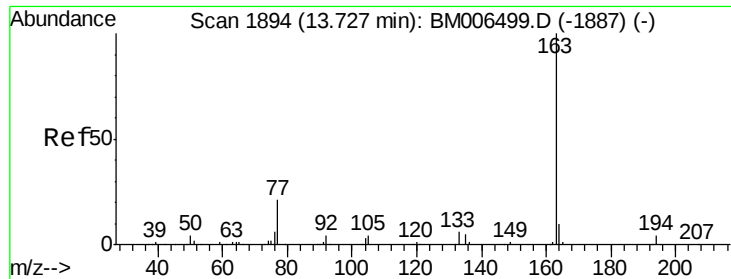
Instrument :
BNA_M
ClientSampleId :
BDJ53

Manual Integrations

Quant Time: Jul 18 08:50:52 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 18 07:39:41 2016
Response via : Initial Calibration

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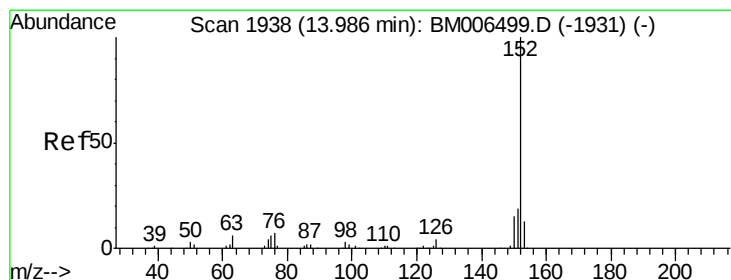
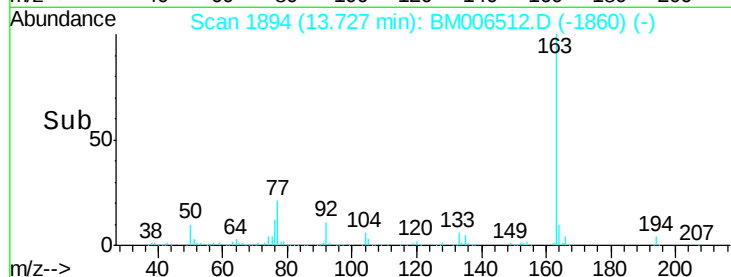
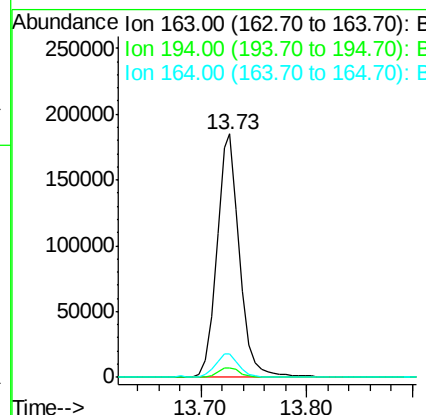
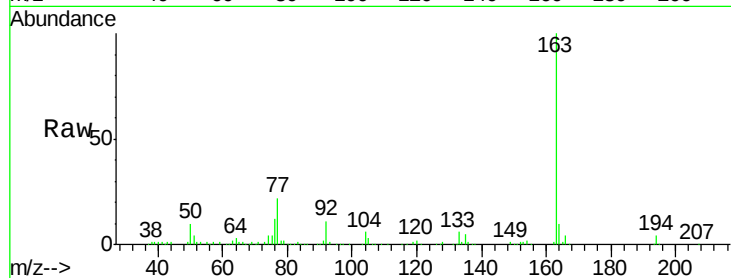
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 Dimethylphthalate
 Concen: 9.95 ng/ul
 RT: 13.73 min Scan# 1894
 Delta R.T. 0.00 min
 Lab File: BM006512.D
 Acq: 17 Jul 2016 12:23

Instrument :
 BNA_M
 ClientSampleID :
 BDJ53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	9.8	7.8	11.8

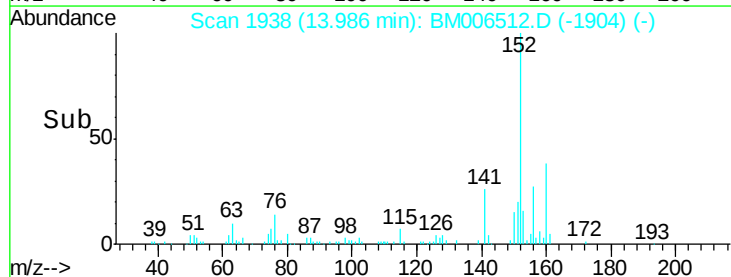
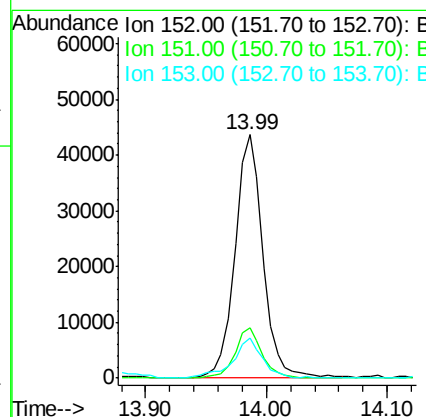
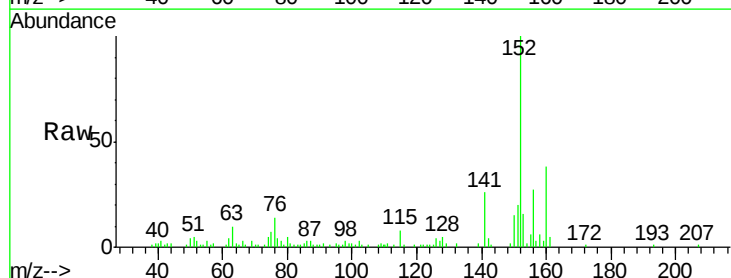
Manual Integrations

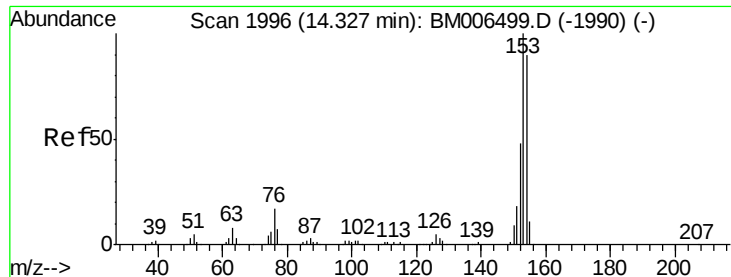
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#47
 Acenaphthylene
 Concen: 2.01 ng/ul
 RT: 13.99 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: BM006512.D
 Acq: 17 Jul 2016 12:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.6	23.4
153	16.4	10.3	15.5#





#49

Acenaphthene

Concen: 2.25 ng/ul

RT: 14.33 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

Instrument :

BNA_M

ClientSampleId :

BDJ53

Tgt Ion:153 Resp: 51054

Ion Ratio Lower Upper

153 100

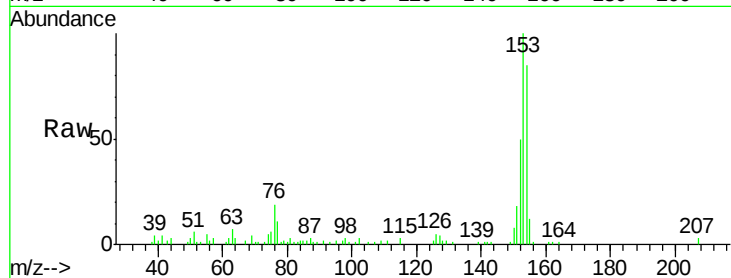
152 49.8 37.7 56.5

154 85.4 70.0 105.0

Manual Integrations

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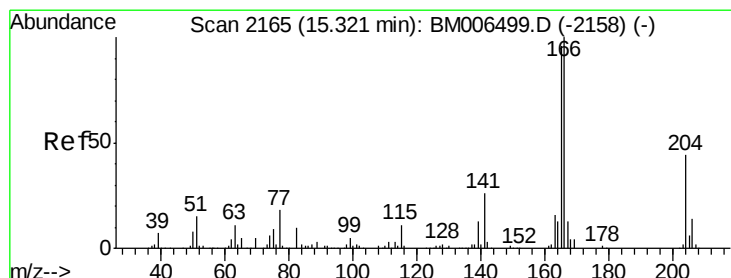
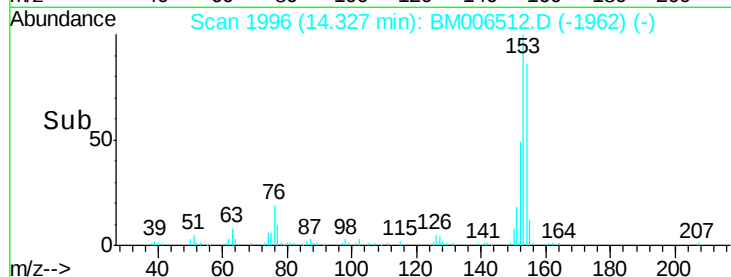
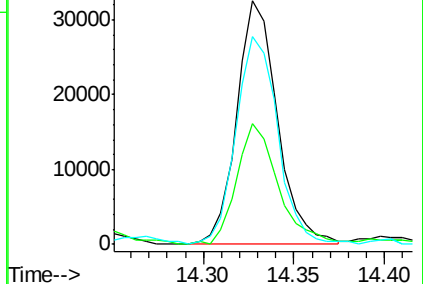
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#58

Fluorene

Concen: 1.84 ng/ul

RT: 15.32 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

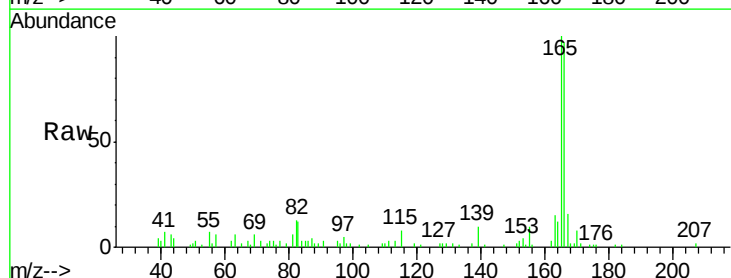
Tgt Ion:166 Resp: 48668

Ion Ratio Lower Upper

166 100

165 103.0 77.5 116.3

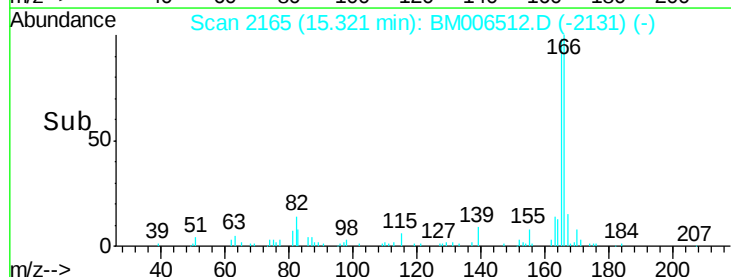
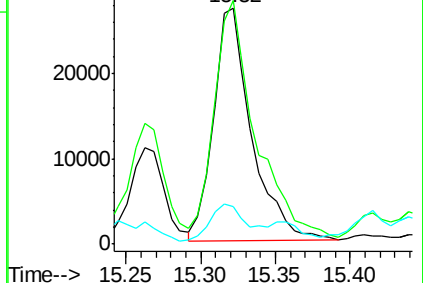
167 16.1 10.8 16.2

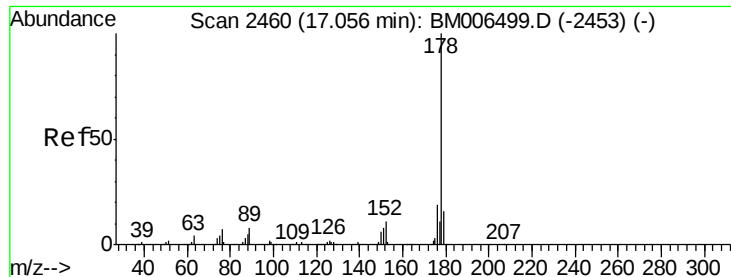


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





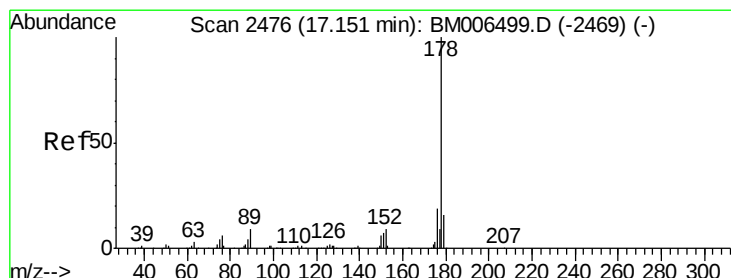
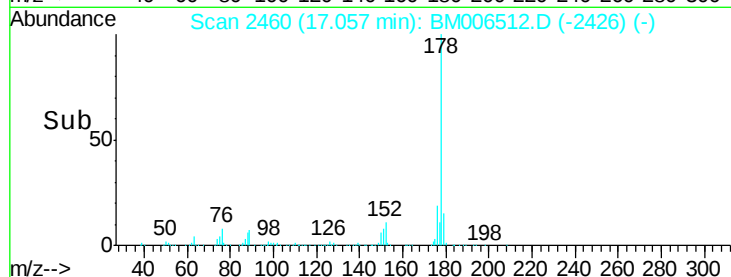
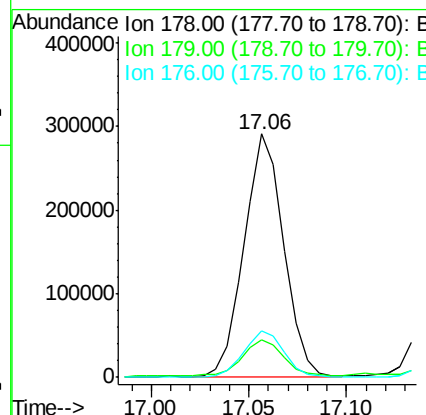
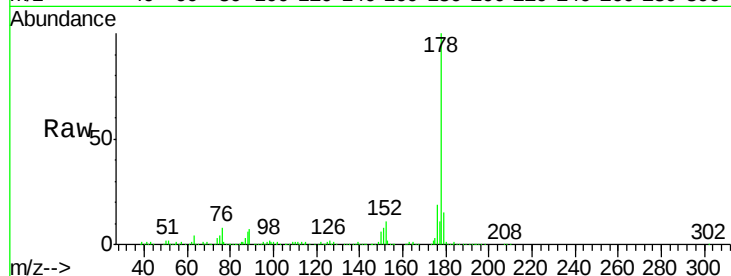
#69
Phenanthrene
Concen: 9.80 ng/ul
RT: 17.06 min Scan# 2460
Delta R.T. 0.00 min
Lab File: BM006512.D
Acq: 17 Jul 2016 12:23

Instrument :
BNA_M
ClientSampleId :
BDJ53

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.9	17.9
176	19.0	15.2	22.8

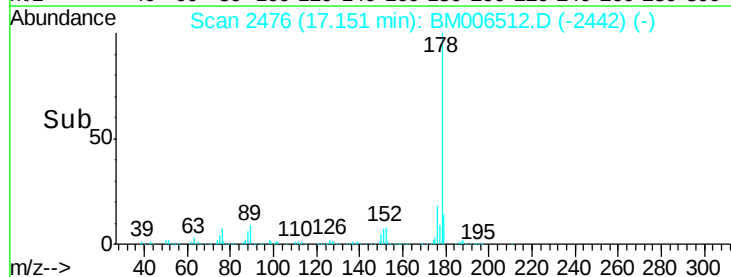
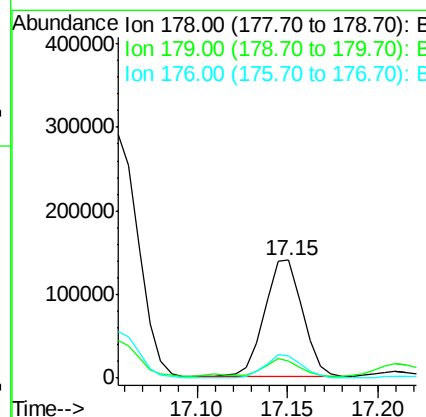
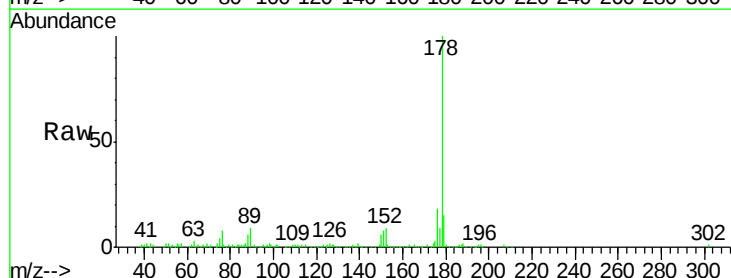
Manual Integrations

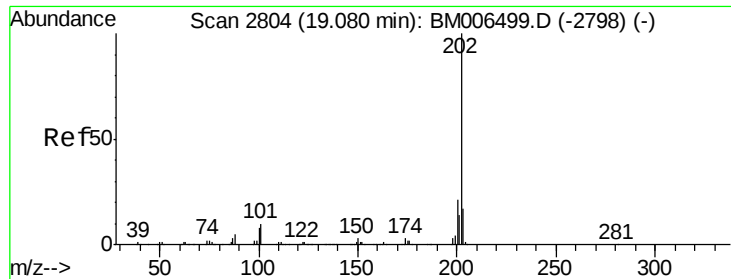
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#71
Anthracene
Concen: 4.77 ng/ul
RT: 17.15 min Scan# 2476
Delta R.T. 0.00 min
Lab File: BM006512.D
Acq: 17 Jul 2016 12:23

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.0	18.0
176	18.3	15.0	22.6





#74

Fluoranthene

Concen: 8.90 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006512.D

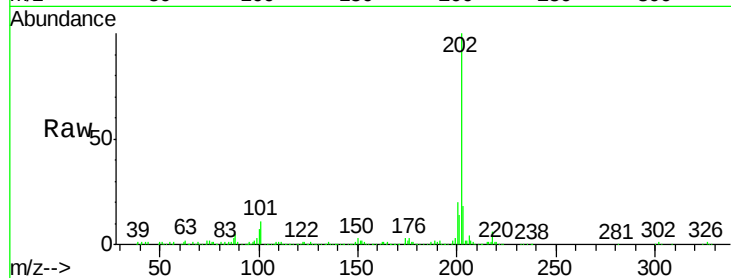
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Instrument :

BNA_M

ClientSampleId :

BDJ53

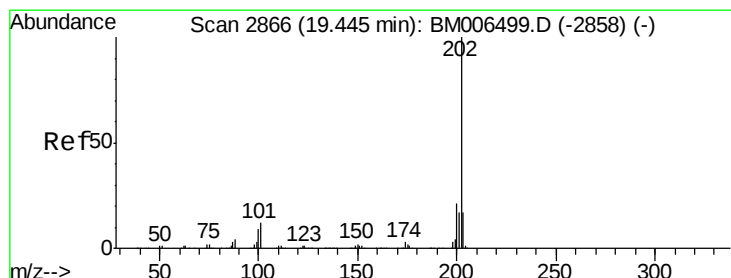
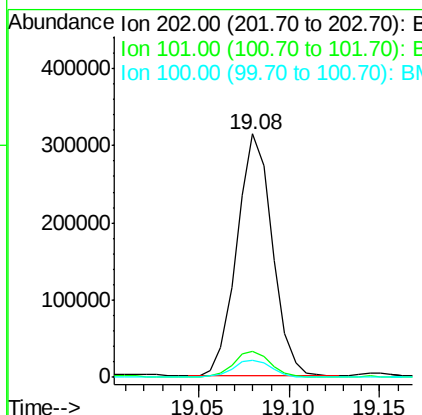
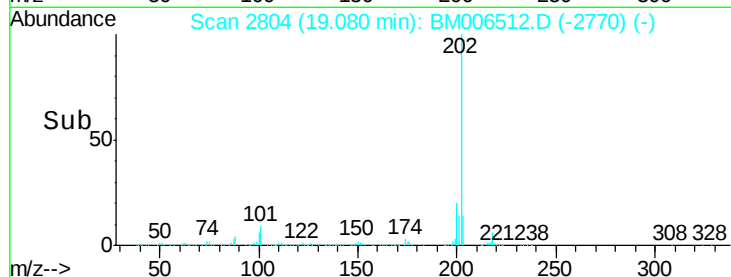


Tgt Ion	Ratio	Resp	Lower	Upper
202	100	427811		
101	10.7	8.6	12.8	
100	6.8	6.4	9.6	

Manual Integrations

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#77

Pyrene

Concen: 11.96 ng/ul

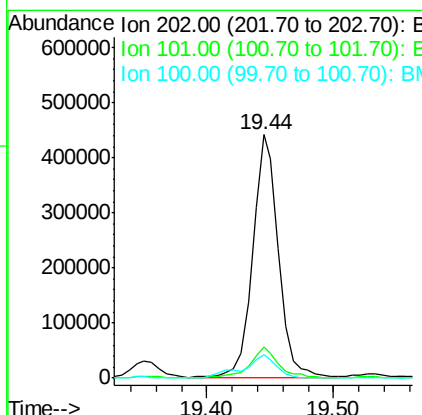
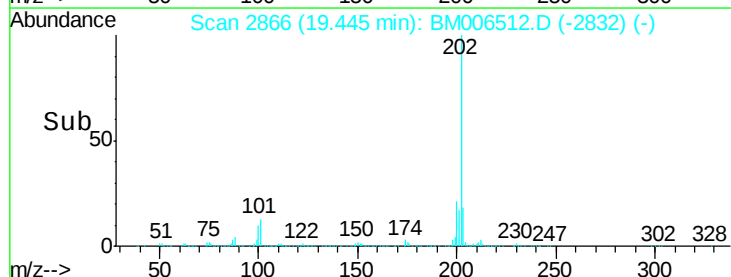
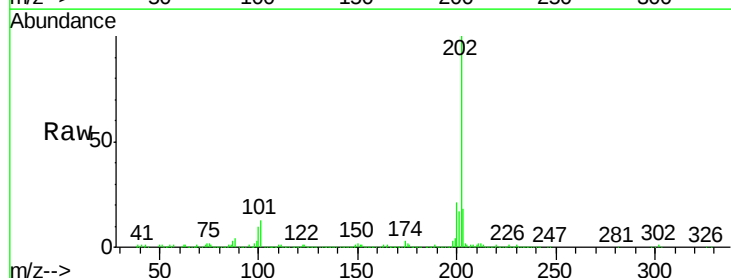
RT: 19.44 min Scan# 2866

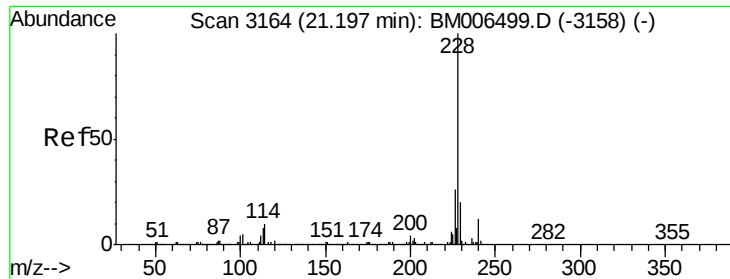
Delta R.T. 0.00 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	617182		
101	12.7	10.0	15.0	
100	9.8	7.9	11.9	





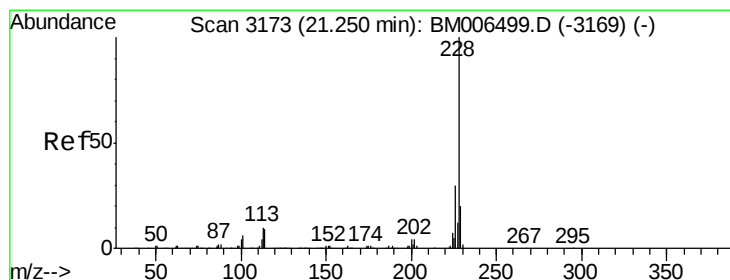
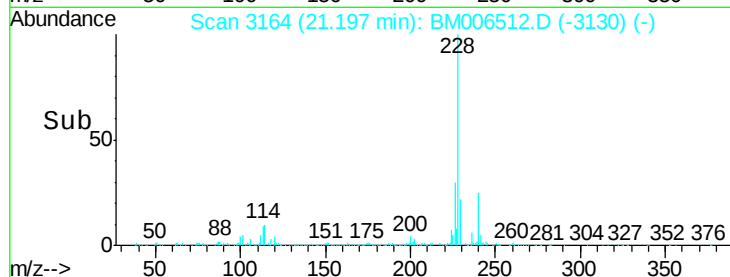
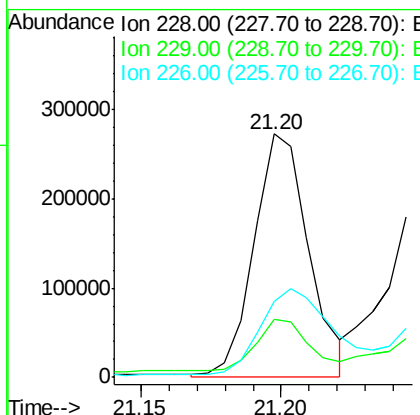
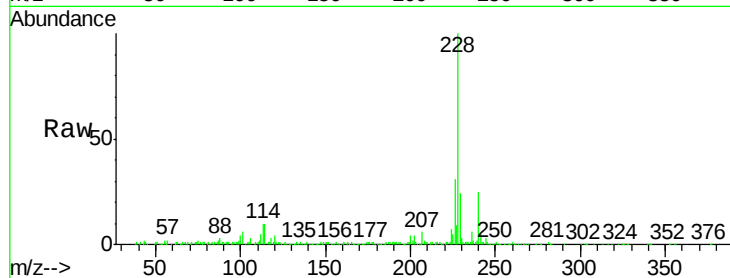
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Benzo(a)anthracene
Concen: 7.08 ng/ul m
RT: 21.20 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BM006512.D
Acq: 17 Jul 2016 12:23

Instrument :
BNA_M
ClientSampleId :
BDJ53

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.7	15.6	23.4#
226	30.9	21.4	32.2

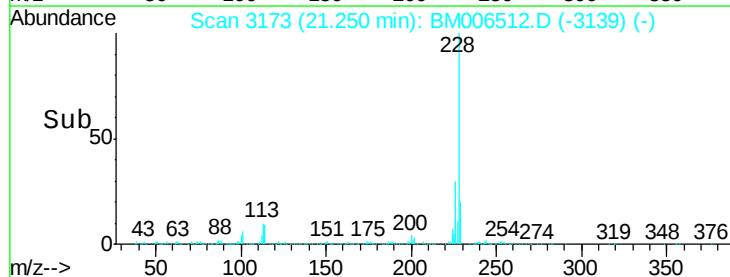
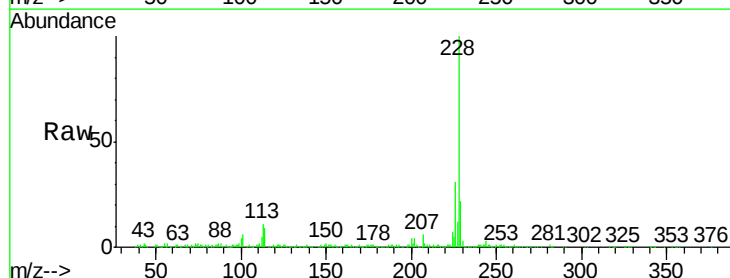
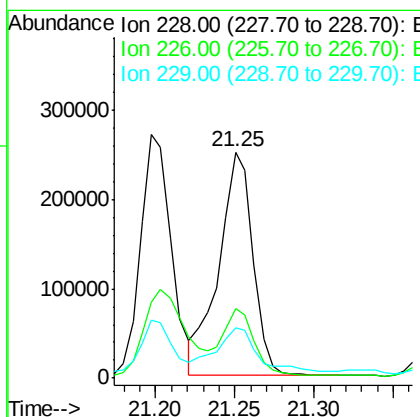
Manual Integrations

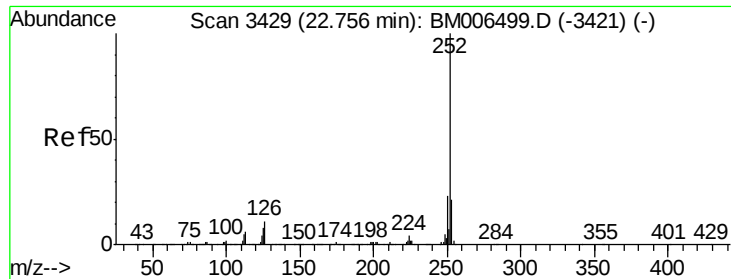
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#82
Chrysene
Concen: 7.57 ng/ul
RT: 21.25 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BM006512.D
Acq: 17 Jul 2016 12:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.3	34.9
229	22.0	15.8	23.8





#85

Benzo(b)fluoranthene

Concen: 5.72 ng/ul

RT: 22.76 min Scan# 3430

Delta R.T. 0.01 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

Instrument :

BNA_M

ClientSampleId :

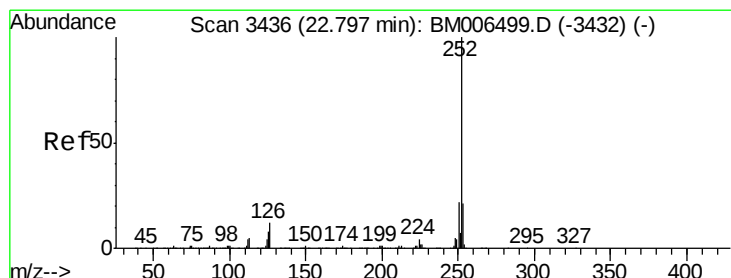
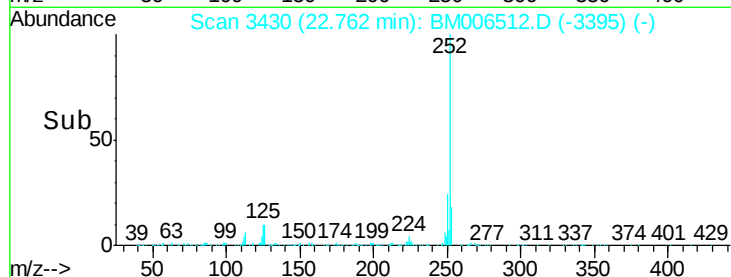
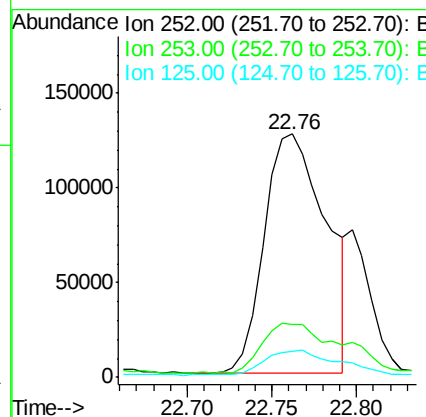
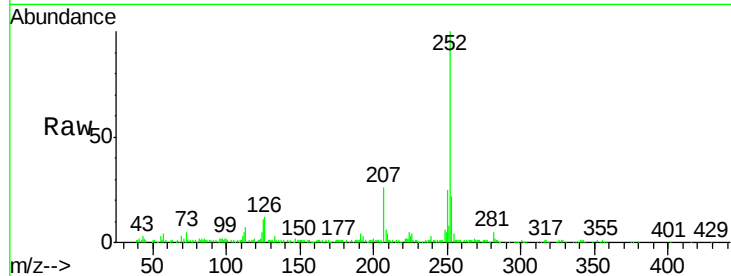
BDJ53

Tgt Ion:	252	Resp:	321282
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.4	26.2
125	10.6	6.7	10.1

Manual Integrations

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#86

Benzo(k)fluoranthene

Concen: 1.39 ng/ul m

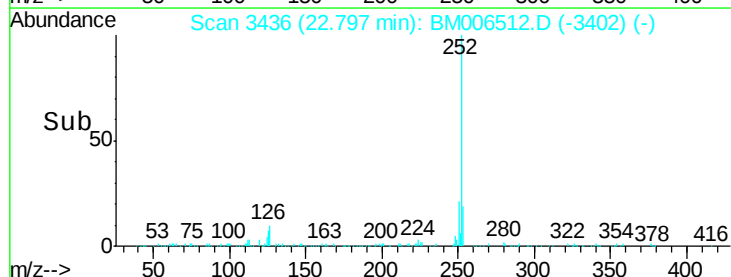
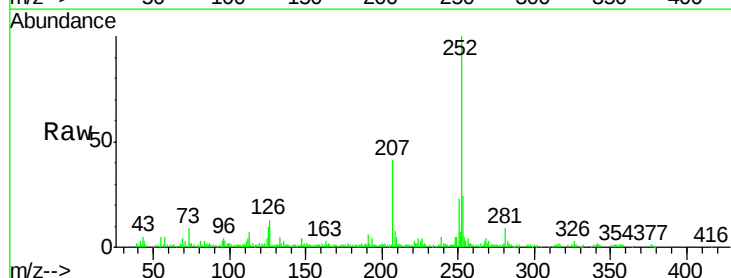
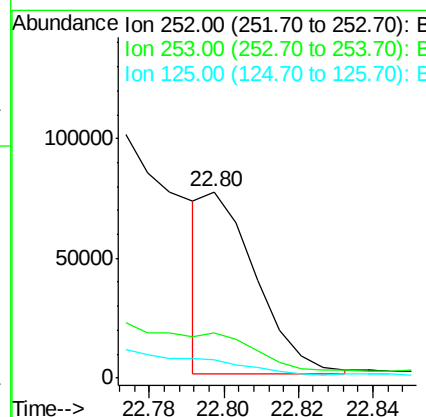
RT: 22.80 min Scan# 3436

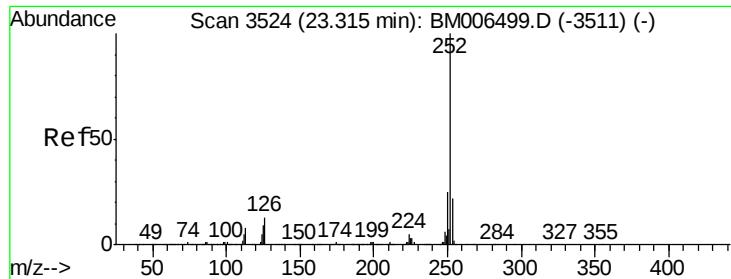
Delta R.T. 0.00 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

Tgt Ion:	252	Resp:	73570
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.3	25.9
125	9.5	7.0	10.4





#88

Benzo(a)pyrene

Concen: 6.27 ng/ul

RT: 23.32 min Scan# 3525

Delta R.T. 0.01 min

Lab File: BM006512.D

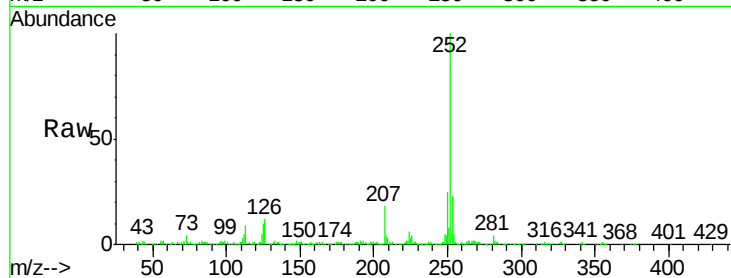
Acq: 17 Jul 2016 12:23

Instrument :

BNA_M

ClientSampleId :

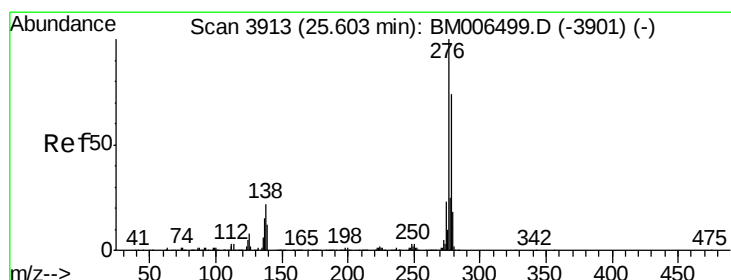
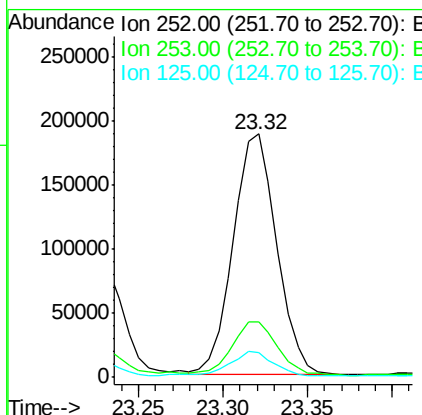
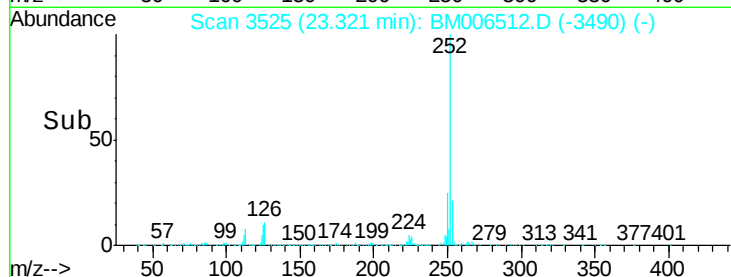
BDJ53



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	10.4	7.6	11.4

Manual Integrations

sohil
7/18/2016 7:40:07 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 2.43 ng/ul

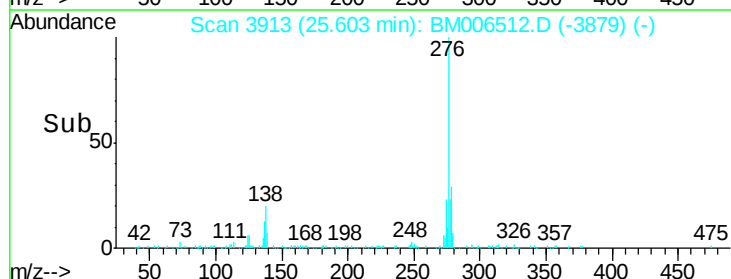
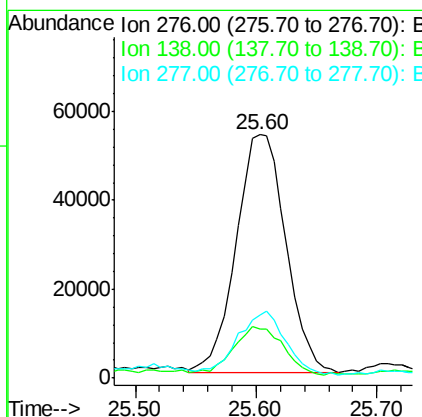
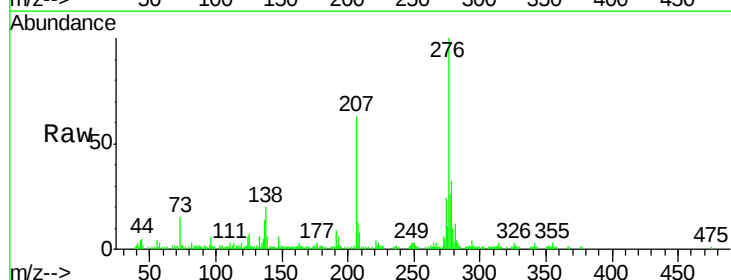
RT: 25.60 min Scan# 3913

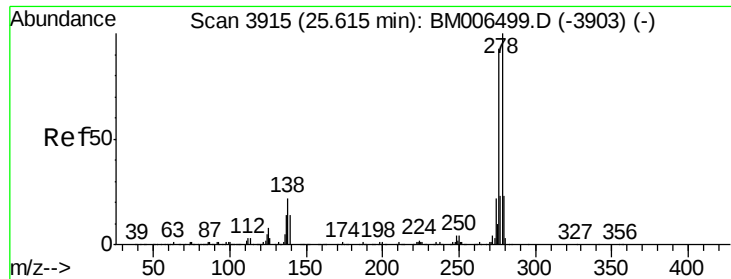
Delta R.T. 0.00 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	17.8	26.6
277	26.0	20.1	30.1





#90

Dibenzo(a,h)anthracene

Concen: 1.23 ng/ul m

RT: 25.60 min Scan# 3912

Delta R.T. -0.02 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

Instrument :

BNA_M

ClientSampleId :

BDJ53

Tgt Ion: 278 Resp: 64125

Ion Ratio Lower Upper

278 100

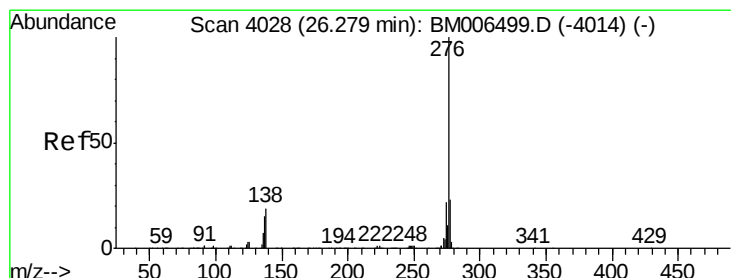
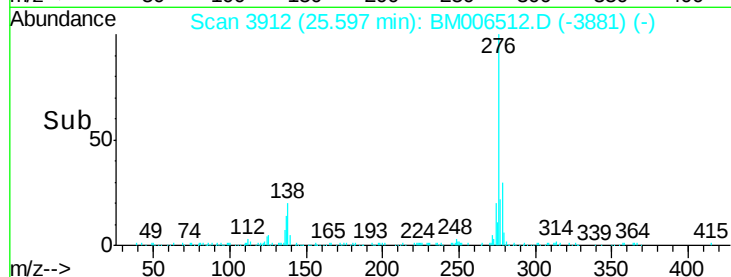
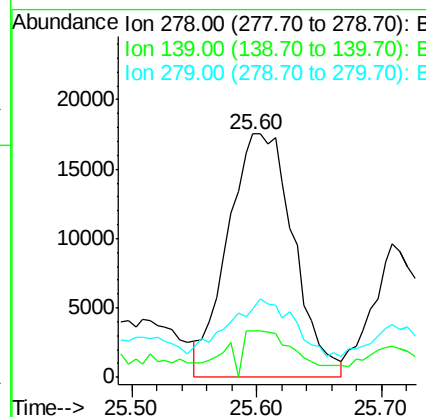
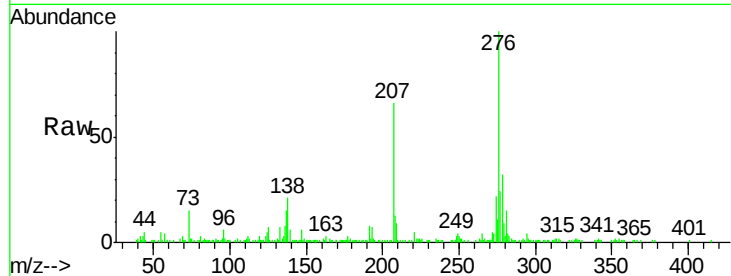
139 19.1 11.7 17.5#

279 27.8 19.2 28.8

Manual Integrations

sohil

7/18/2016 7:40:07 PM



#91

Benzo(g,h,i)perylene

Concen: 2.46 ng/ul

RT: 26.28 min Scan# 4028

Delta R.T. 0.00 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

Tgt Ion: 276 Resp: 135993

Ion Ratio Lower Upper

276 100

138 19.4 15.0 22.4

277 24.3 19.0 28.4

