

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
 Data File : BM006596.D
 Acq On : 21 Jul 2016 20:23
 Operator : UM/SJ
 Sample : H4078-07MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YS2MS

Manual Integrations

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Quant Time: Jul 22 02:19:18 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 22 01:56:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	139237	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	595286	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	333007	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	768754	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	917175	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	953671	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	5948	1.73	ng/uL	0.00
3) Phenol-d5	6.79	99	204023	17.22	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	138052	18.81	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	168688	17.82	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	124976	13.60	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	80399	17.84	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	83427	17.41	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	157714	17.42	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	184106	18.46	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	488014	18.69	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	627926	18.84	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	55500m	12.24	ng/ul	0.00
21) Fluorene-d10	15.26	176	445770	19.09	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	47511	11.91	ng/ul	0.00
26) Anthracene-d10	17.11	188	680915	18.65	ng/ul	0.00
30) Pyrene-d10	19.42	212	795297	19.03	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	852627	19.44	ng/ul	0.00

Target Compounds

					Ovalue
19) Acenaphthene	14.33	153	423397	18.46	ng/ul 94
25) Phenanthrene	17.06	178	280082	6.48	ng/ul 99
27) Anthracene	17.14	178	59143	1.33	ng/ul 96
28) Fluoranthene	19.08	202	490152	9.65	ng/ul 98
31) Pyrene	19.44	202	1390410	25.04	ng/ul 97
32) Benzo(a)anthracene	21.20	228	228899	4.12	ng/ul 98
33) Chrysene	21.25	228	233311	4.55	ng/ul 98
35) Benzo(b)fluoranthene	22.76	252	316073	5.53	ng/ul 99
36) Benzo(k)fluoranthene	22.79	252	116981m	2.12	ng/ul
38) Benzo(a)pyrene	23.31	252	216113	3.88	ng/ul 97
39) Indeno(1,2,3-cd)pyrene	25.60	276	153984	2.39	ng/ul 99
41) Benzo(g,h,i)perylene	26.27	276	153756	2.78	ng/ul# 96

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

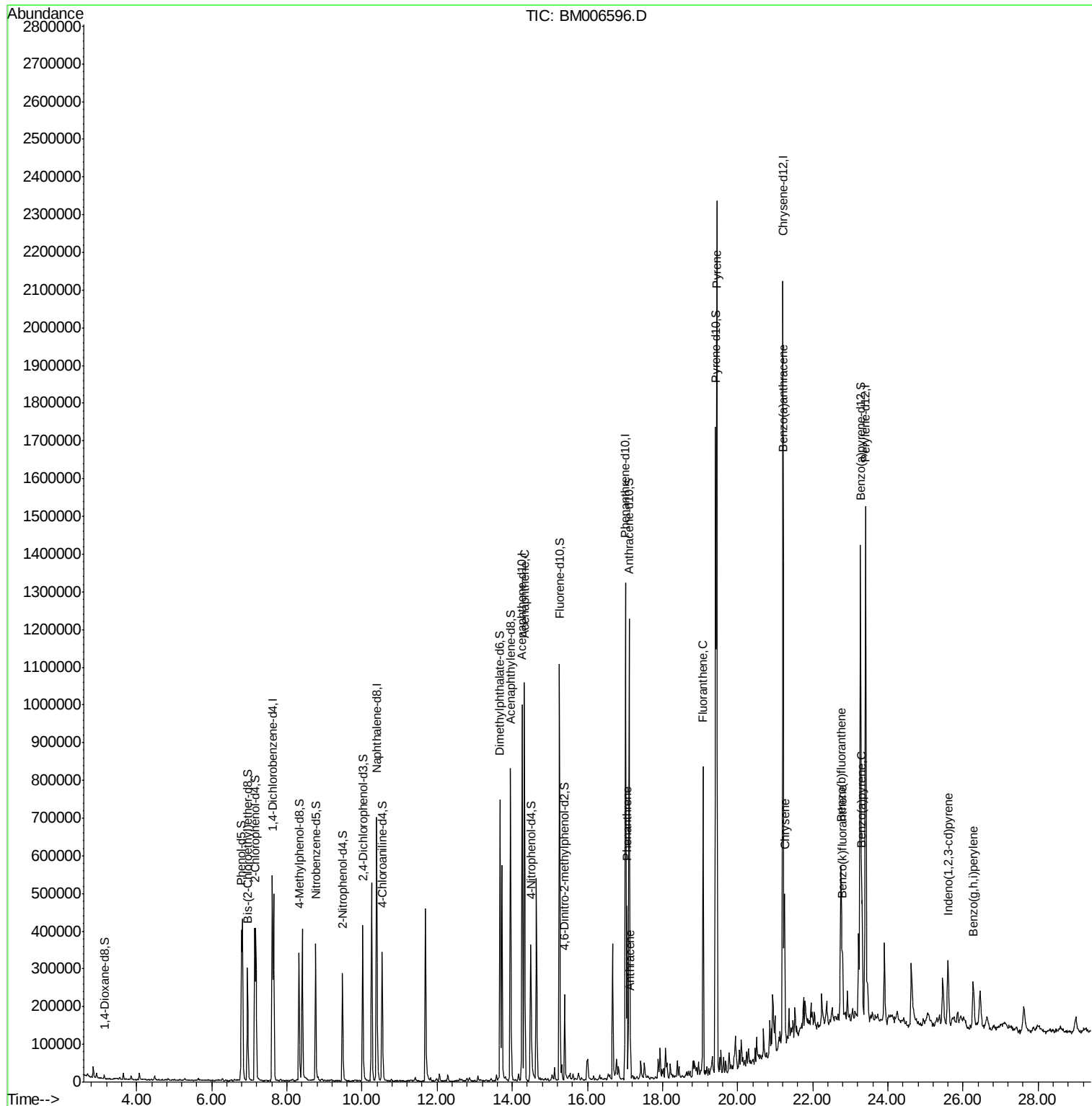
Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
Data File : BM006596.D
Acq On : 21 Jul 2016 20:23
Operator : UM/SJ
Sample : H4078-07MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

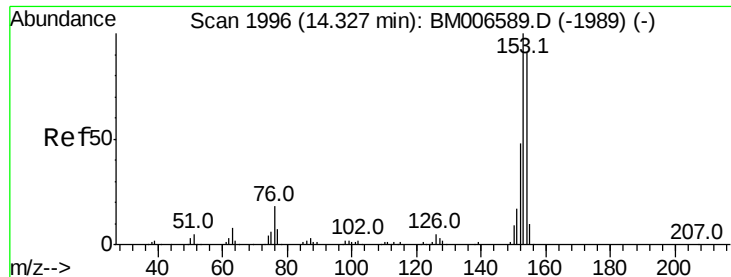
Instrument :
BNA_M
ClientSampleId :
D9YS2MS

Manual Integrations

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Quant Time: Jul 22 02:19:18 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
Response via : Initial Calibration





#19

Acenaphthene

Concen: 18.46 ng/ul

RT: 14.33 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BM006596.D

Acq: 21 Jul 2016 20:23

Instrument :

BNA_M

ClientSampleId :

D9YS2MS

Tot Ion:153 Resp: 423397

Ion Ratio Lower Upper

153 100

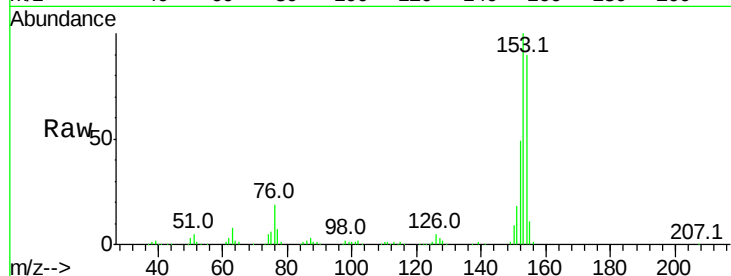
152 49.0 36.5 54.7

154 90.3 67.3 100.9

Manual Integrations

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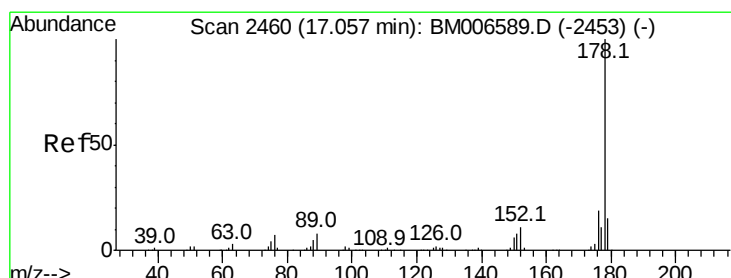
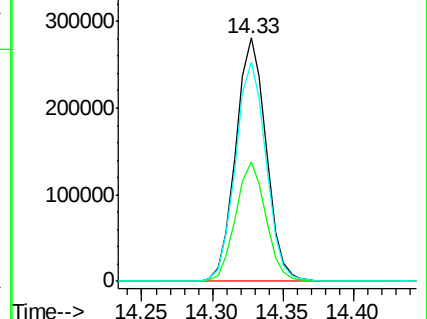
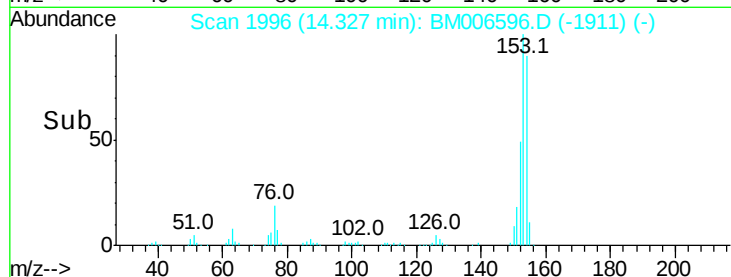
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#25

Phenanthrene

Concen: 6.48 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006596.D

Acq: 21 Jul 2016 20:23

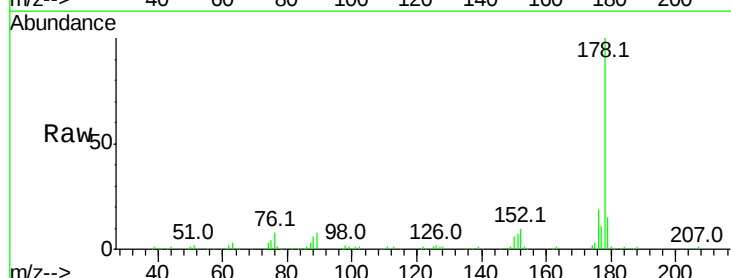
Tgt Ion:178 Resp: 280082

Ion Ratio Lower Upper

178 100

179 14.8 11.8 17.8

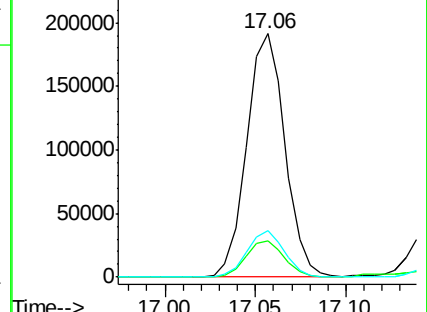
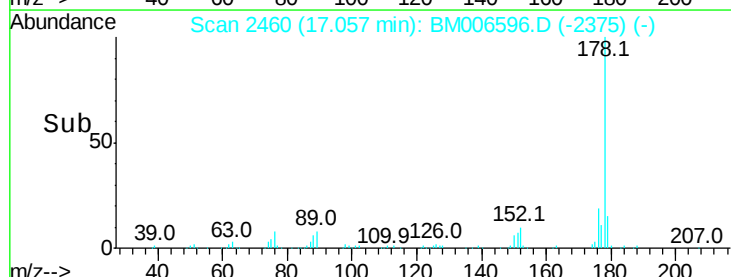
176 19.2 14.8 22.2

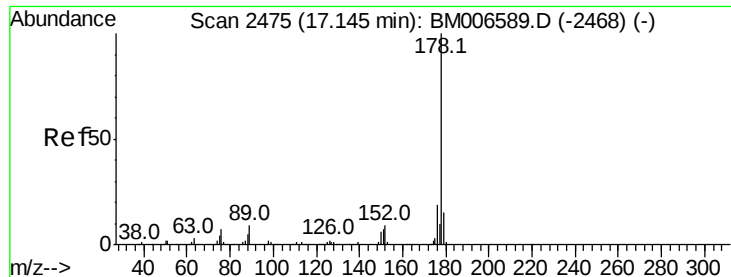


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





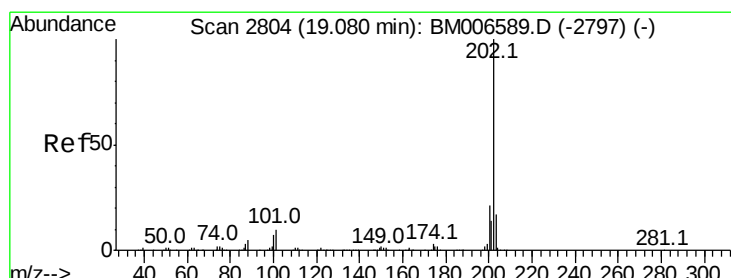
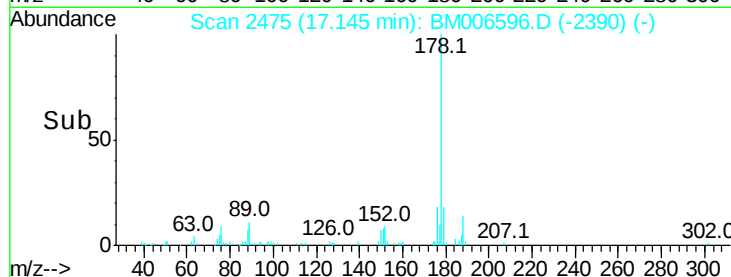
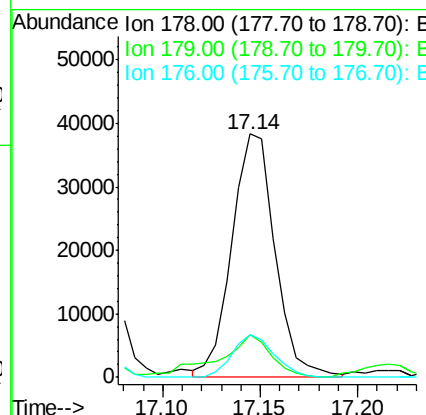
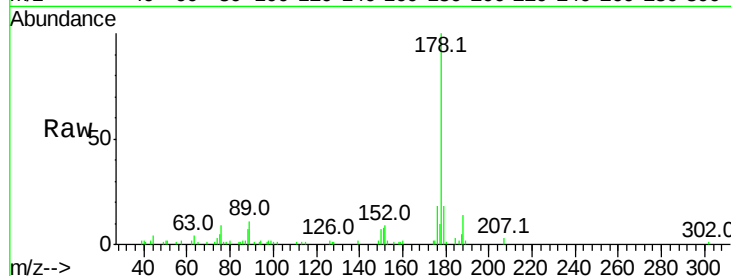
#27
 Anthracene
 Concen: 1.33 ng/ul
 RT: 17.14 min Scan# 2475
 Delta R.T. 0.00 min
 Lab File: BM006596.D
 Acq: 21 Jul 2016 20:23

Instrument :
 BNA_M
 ClientSampleId :
 D9YS2MS

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.6	12.9	19.3
176	17.7	15.6	23.4

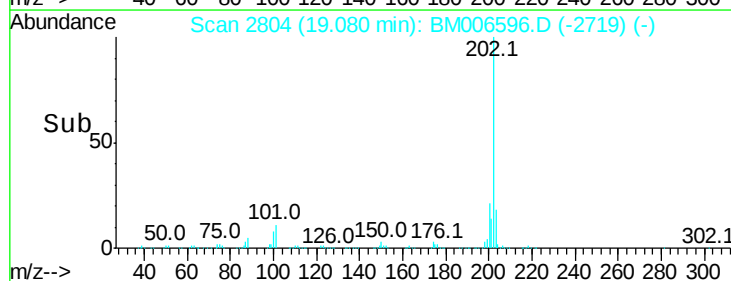
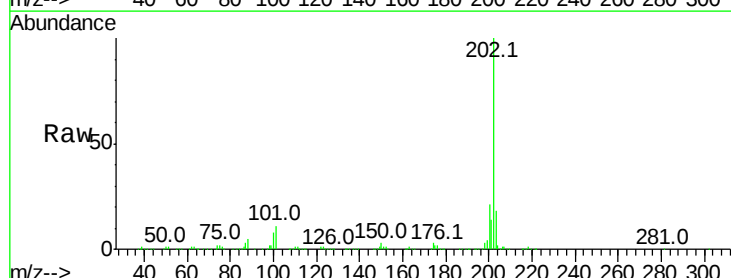
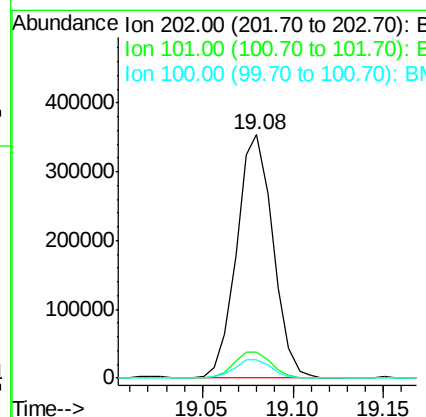
Manual Integrations

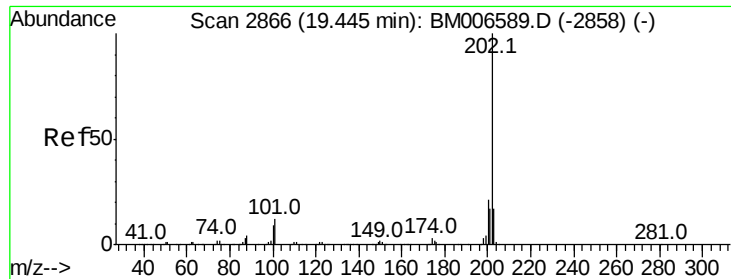
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#28
 Fluoranthene
 Concen: 9.65 ng/ul
 RT: 19.08 min Scan# 2804
 Delta R.T. 0.00 min
 Lab File: BM006596.D
 Acq: 21 Jul 2016 20:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.9	13.3
100	7.6	7.0	10.4





#31

Pvrene

Concen: 25.04 ng/ul

RT: 19.44 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BM006596.D

Acq: 21 Jul 2016 20:23

Instrument :

BNA_M

ClientSampled :

D9YS2MS

Tot Ion:202 Resp: 1390410

Ion Ratio Lower Upper

202 100

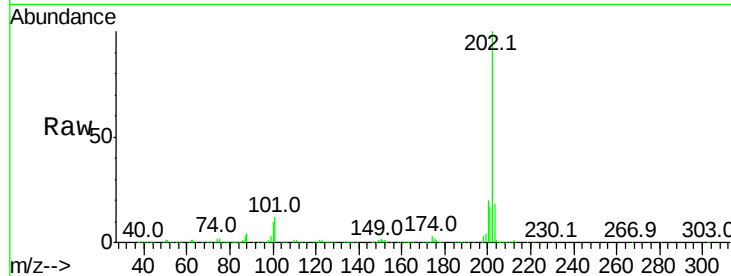
101 12.0 9.8 14.8

100 9.7 9.3 13.9

Manual Integrations

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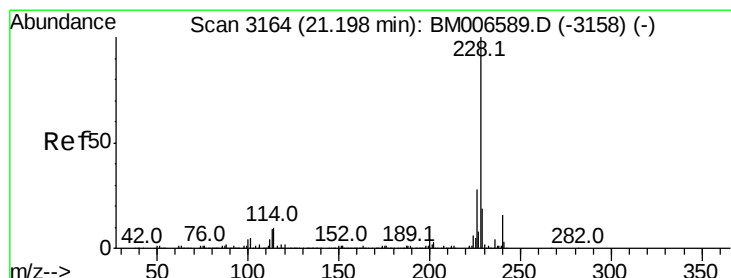
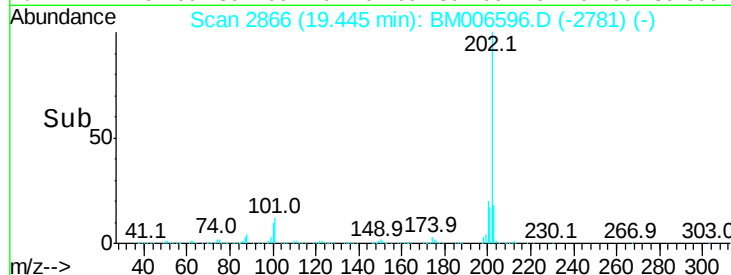
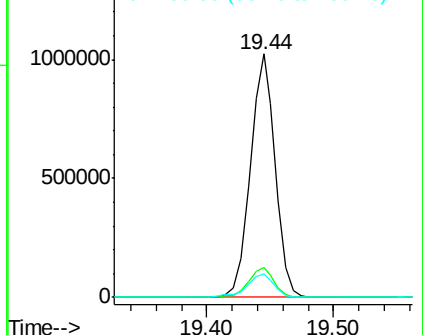
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#32

Benzo(a)anthracene

Concen: 4.12 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006596.D

Acq: 21 Jul 2016 20:23

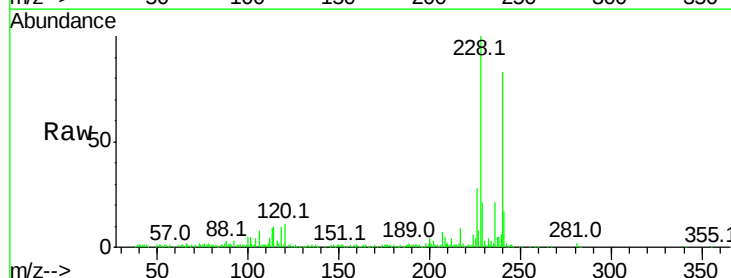
Tgt Ion:228 Resp: 228899

Ion Ratio Lower Upper

228 100

229 20.8 16.6 25.0

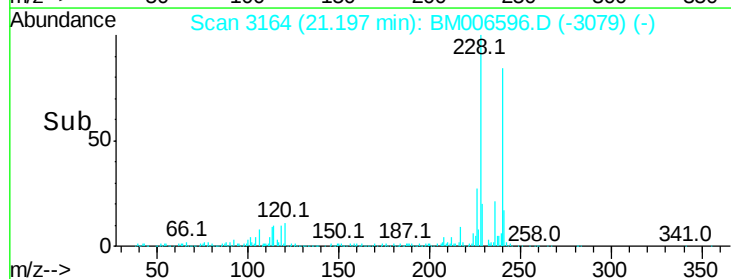
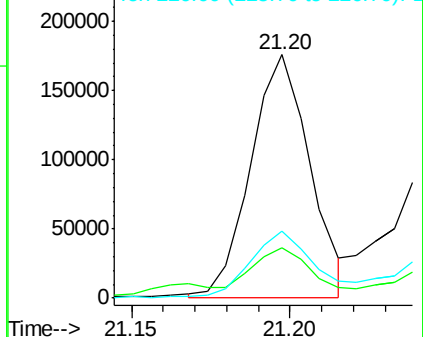
226 27.6 21.0 31.4

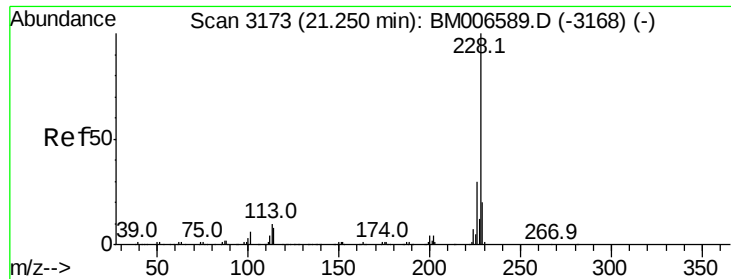


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





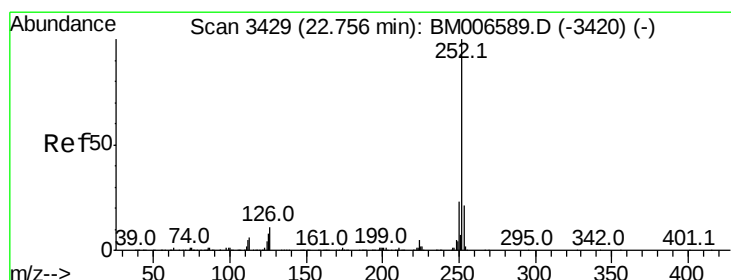
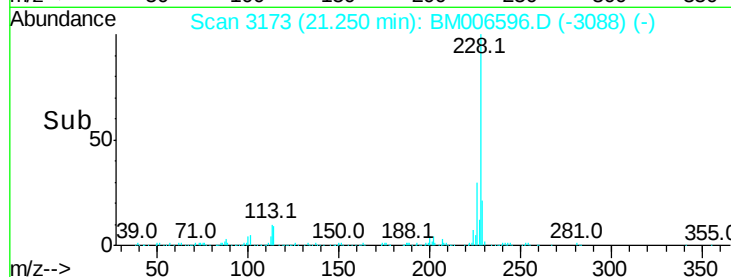
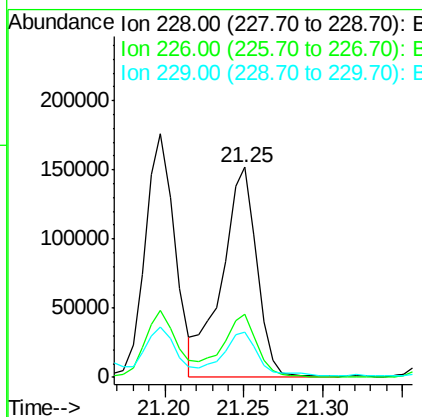
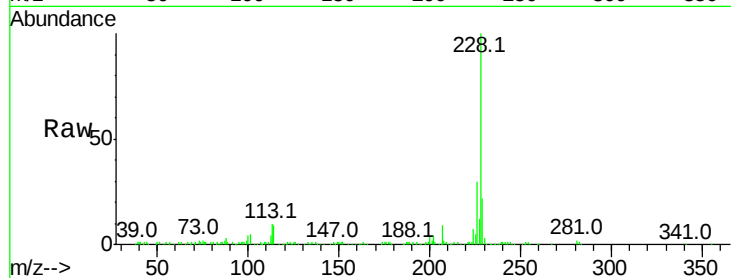
#33
Chrysene
Concen: 4.55 ng/ul
RT: 21.25 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BM006596.D
Acq: 21 Jul 2016 20:23

Instrument :
BNA_M
ClientSampleId :
D9YS2MS

Tot Ion:	228	Resp:	233311
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.4	35.2
229	21.7	16.2	24.2

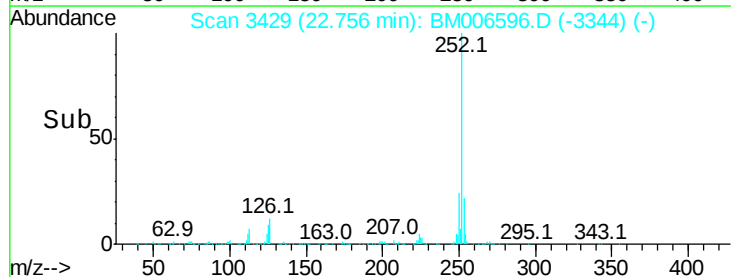
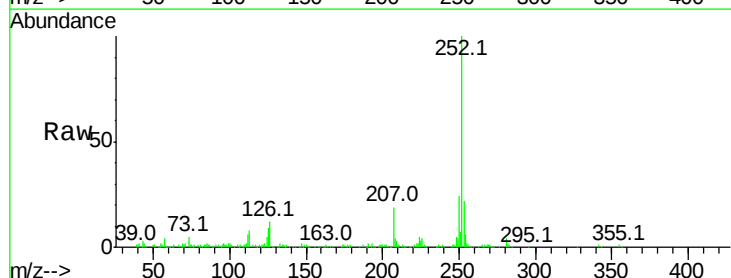
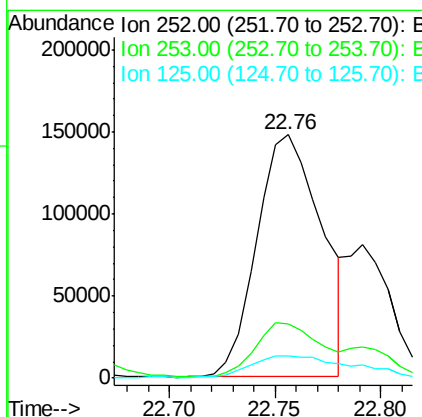
Manual Integrations

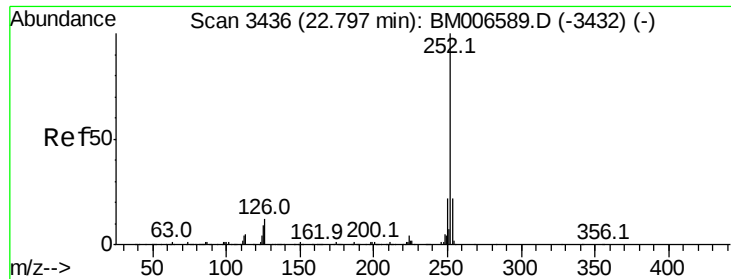
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#35
Benzo(b)fluoranthene
Concen: 5.53 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. 0.00 min
Lab File: BM006596.D
Acq: 21 Jul 2016 20:23

Tgt Ion:	252	Resp:	316073
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	9.2	7.6	11.4





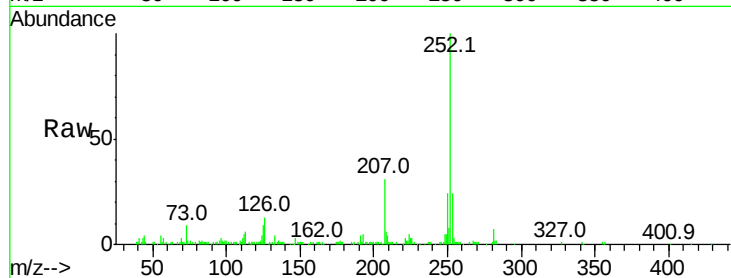
#36
Benzo(k)fluoranthene
Concen: 2.12 ng/ul m
RT: 22.79 min Scan# 3435
Delta R.T. -0.01 min
Lab File: BM006596.D
Acq: 21 Jul 2016 20:23

Instrument :
BNA_M
ClientSampleId :
D9YS2MS

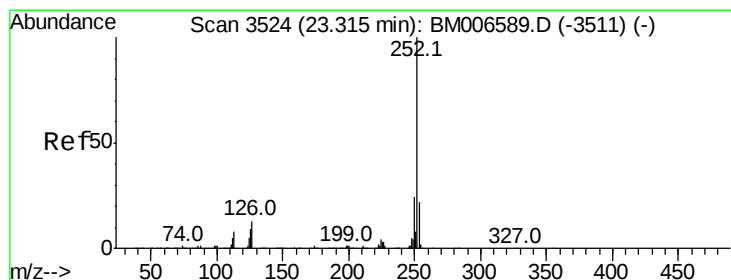
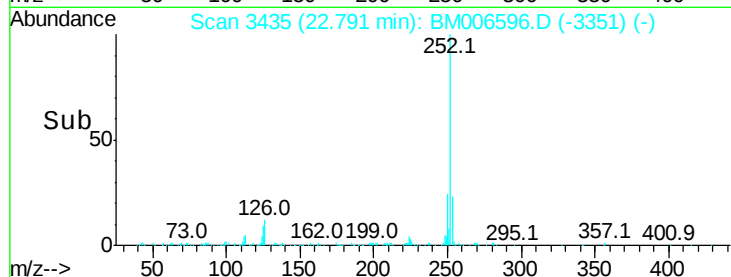
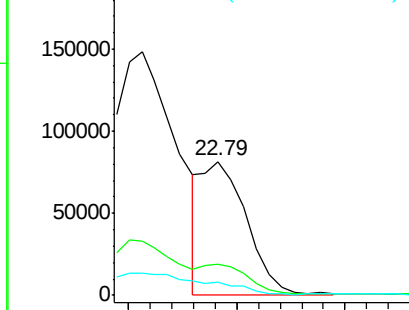
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	9.4	7.7	11.5

Manual Integrations

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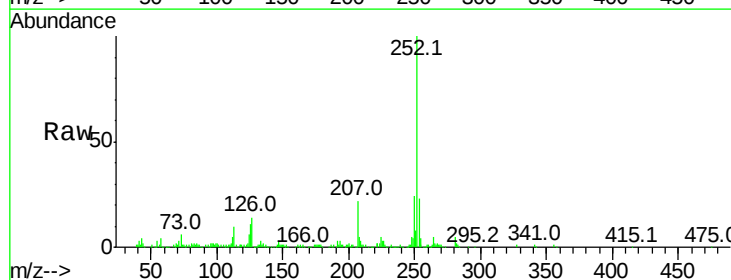


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

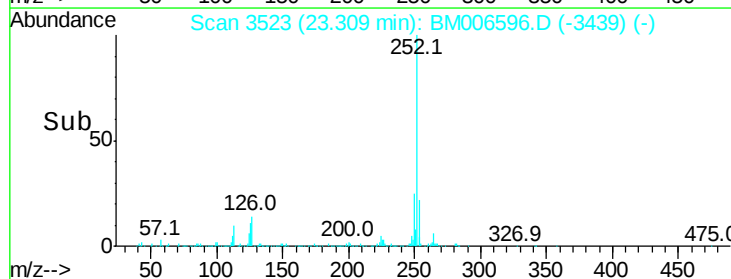
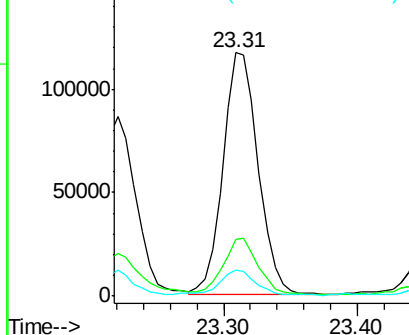


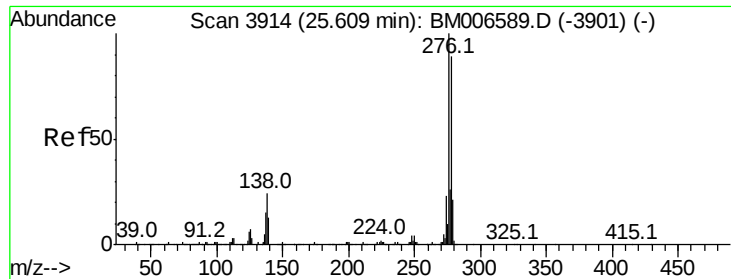
#38
Benzo(a)pyrene
Concen: 3.88 ng/ul
RT: 23.31 min Scan# 3523
Delta R.T. -0.01 min
Lab File: BM006596.D
Acq: 21 Jul 2016 20:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	10.7	8.2	12.2



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





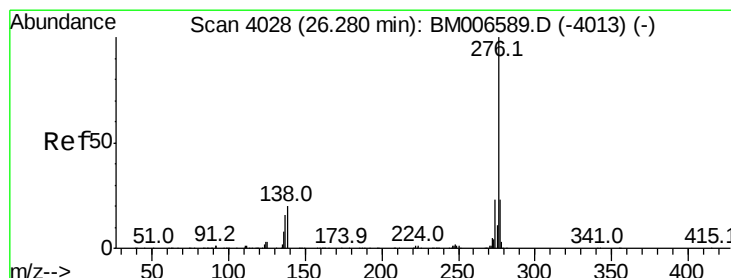
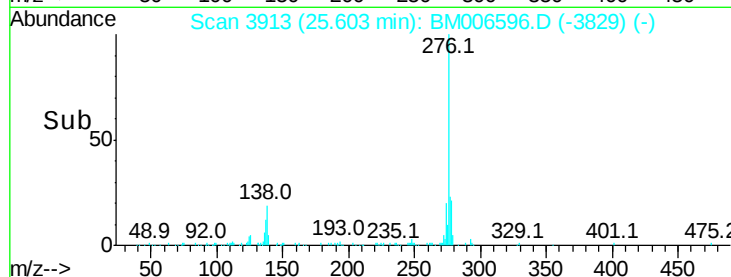
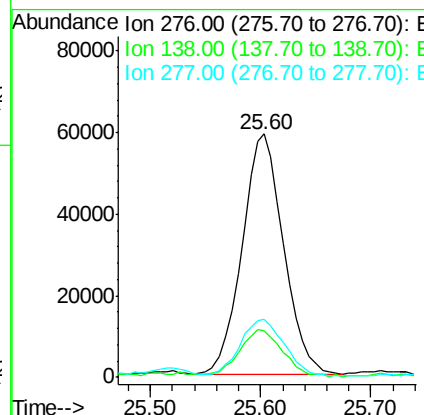
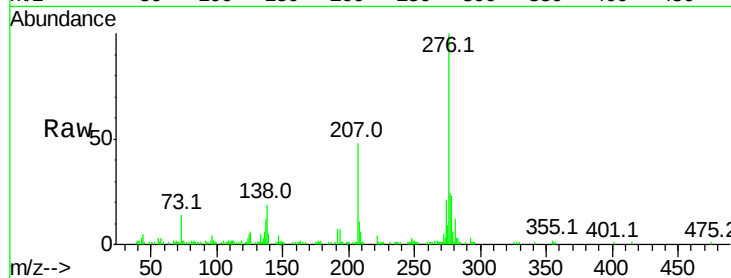
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 2.39 ng/ul
 RT: 25.60 min Scan# 3913
 Delta R.T. -0.01 min
 Lab File: BM006596.D
 Acq: 21 Jul 2016 20:23

Instrument :
 BNA_M
 ClientSampleId :
 D9YS2MS

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	19.2	15.8	23.6	
277	23.8	19.0	28.6	

Manual Integrations

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#41
 Benzo(g,h,i)perylene
 Concen: 2.78 ng/ul
 RT: 26.27 min Scan# 4027
 Delta R.T. -0.01 min
 Lab File: BM006596.D
 Acq: 21 Jul 2016 20:23

Tgt Ion	Ion	Ratio	Lower	Upper
276	100			
138	21.4	13.9	20.9#	
277	24.9	19.8	29.6	

