

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
 Data File : BM007401.D
 Acq On : 03 Sep 2016 11:22
 Operator : UM/SJ
 Sample : H4639-15
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD391

Manual Integrations
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Quant Time: Sep 05 03:10:49 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 05 01:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	199735	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	926793	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	626537	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1600222	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	2098394	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	2082125	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	13186	3.37	ng/uL	0.00
5) Phenol-d5	6.96	99	315910	16.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	183079	18.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	249700	17.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	261968	15.92	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	137581	20.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	156987	19.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	290380	18.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	304341	15.42	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	1067021	19.74	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1269469	20.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	119406	11.70	ng/ul	0.00
57) Fluorene-d10	15.42	176	969278	20.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	160606	15.96	ng/ul	0.00
70) Anthracene-d10	17.27	188	1579074	21.12	ng/ul	0.00
76) Pyrene-d10	19.56	212	2076658	23.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	2060612	21.49	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.63	128	86655	1.88	ng/ul	98
34) 2-Methylnaphthalene	12.24	142	64205	1.70	ng/ul	98
44) Dimethylphthalate	13.88	163	378165	7.02	ng/ul	98
53) Dibenzofuran	14.83	168	90233	1.44	ng/ul	99
69) Phenanthrene	17.21	178	577785	6.73	ng/ul	99
71) Anthracene	17.30	178	146628	1.65	ng/ul	98
74) Fluoranthene	19.23	202	1325891	12.30	ng/ul	99
77) Pyrene	19.59	202	1036133	9.20	ng/ul	96
80) Benzo(a)anthracene	21.33	228	625544	5.06	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.26	149	70078	1.03	ng/ul	98
82) Chrysene	21.39	228	1265859	11.30	ng/ul	97
85) Benzo(b)fluoranthene	22.94	252	1830350	14.87	ng/ul	98
86) Benzo(k)fluoranthene	22.98	252	521973m	4.59	ng/ul	
88) Benzo(a)pyrene	23.53	252	512372	4.35	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.91	276	484695	3.35	ng/ul	97
90) Dibenzo(a,h)anthracene	25.91	278	146369	1.22	ng/ul#	87
91) Benzo(g,h,i)perylene	26.61	276	358325	2.92	ng/ul	97

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

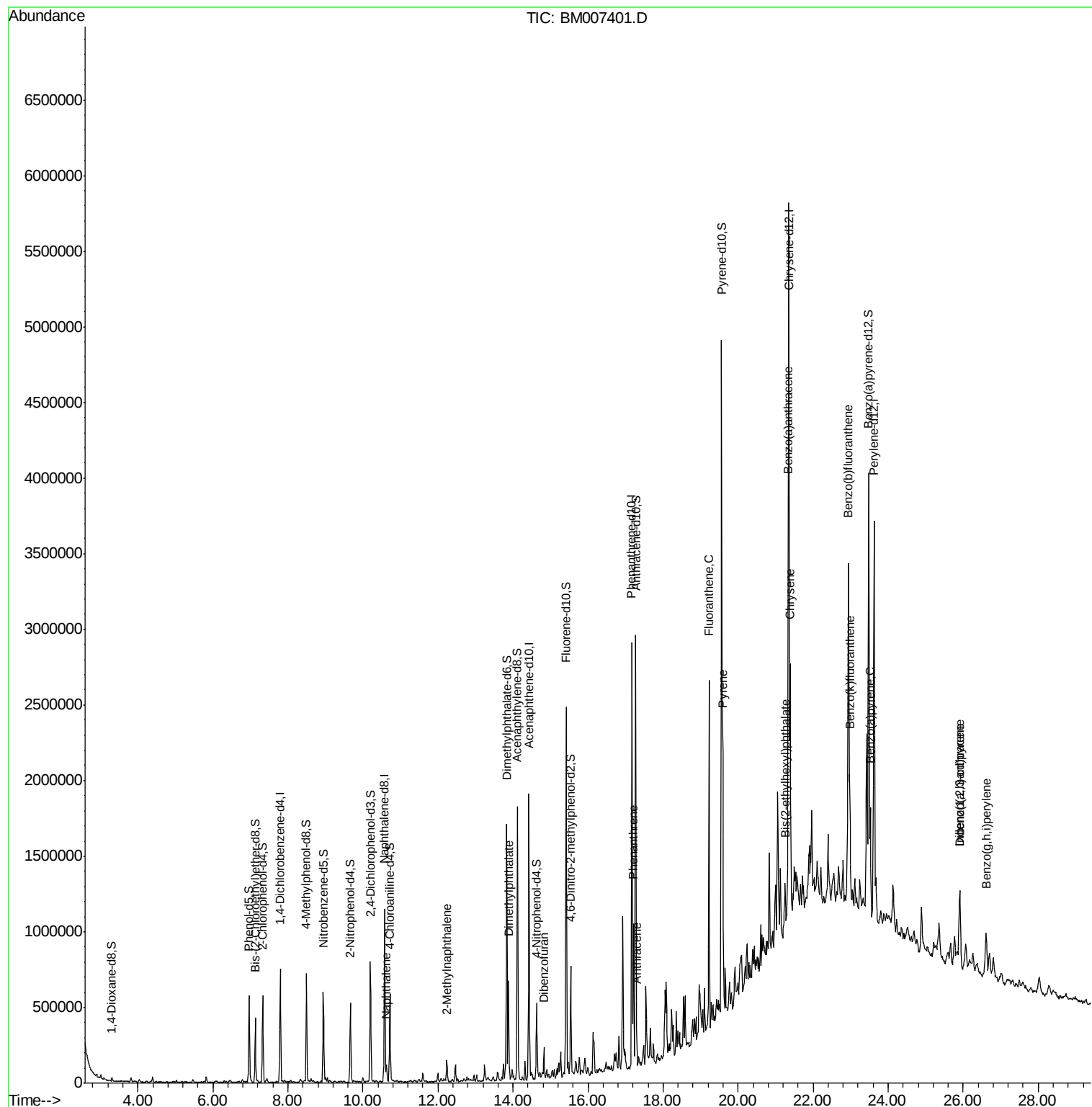
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007401.D
Acq On : 03 Sep 2016 11:22
Operator : UM/SJ
Sample : H4639-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

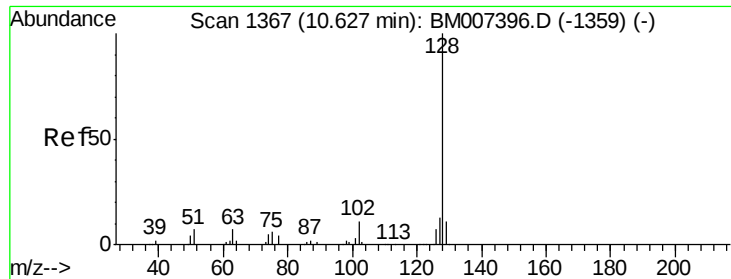
Instrument :
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Quant Time: Sep 05 03:10:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





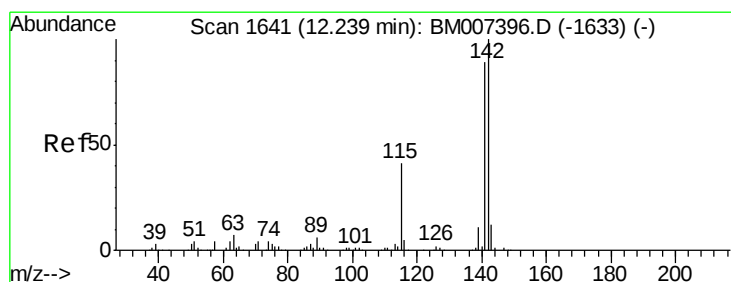
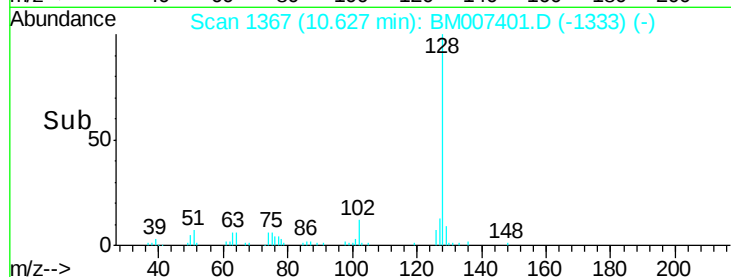
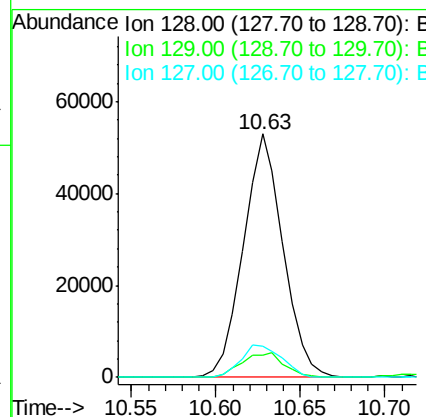
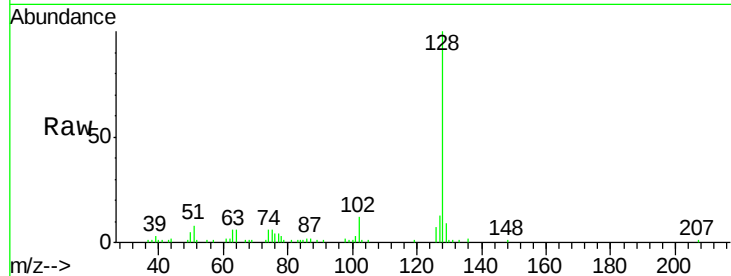
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Naphthalene
Concen: 1.88 ng/ul
RT: 10.63 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BM007401.D
Acq: 03 Sep 2016 11:22

Instrument :
BNA_M
ClientSampleId :
BD391

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	9.1	8.6	12.8
127	13.0	10.6	15.8

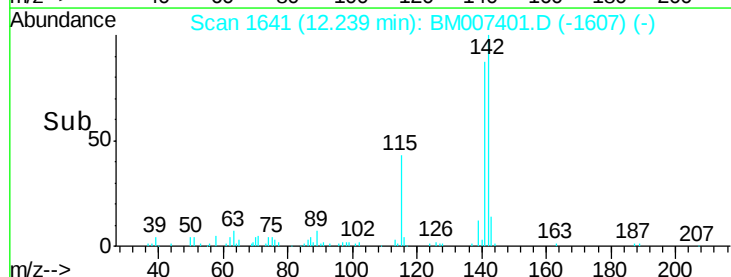
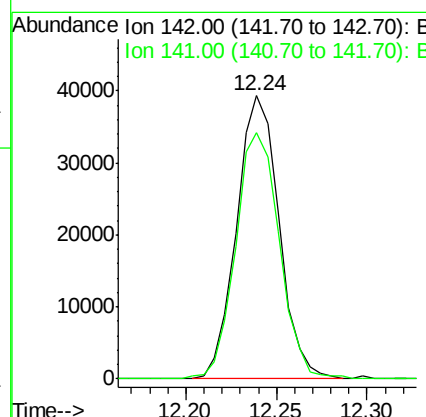
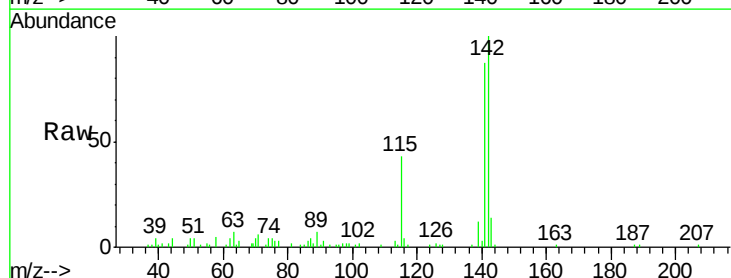
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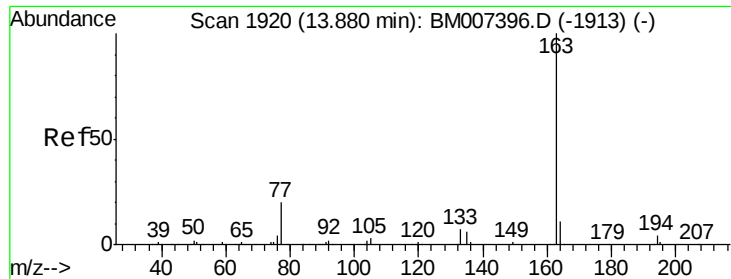
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#34
2-Methylnaphthalene
Concen: 1.70 ng/ul
RT: 12.24 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BM007401.D
Acq: 03 Sep 2016 11:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	86.8	71.3	106.9





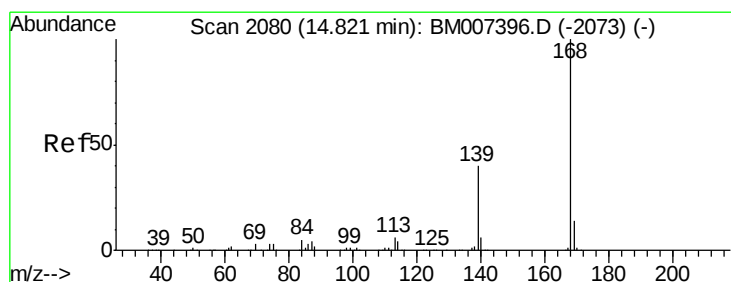
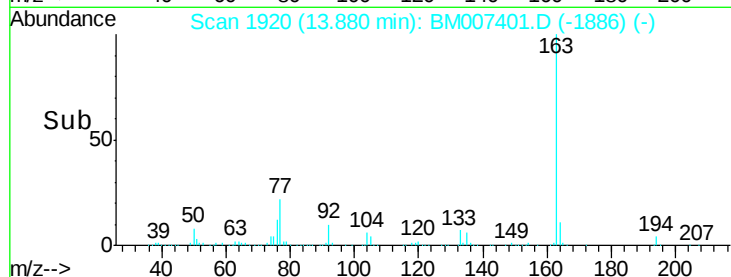
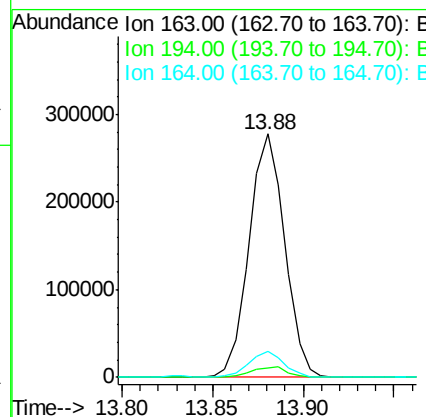
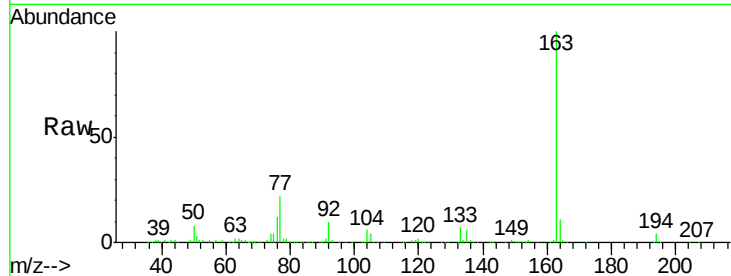
#44
Dimethylphthalate
Concen: 7.02 ng/ul
RT: 13.88 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM007401.D
Acq: 03 Sep 2016 11:22

Instrument :
BNA_M
ClientSampleId :
BD391

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	378165		
194	3.8		3.4	5.2
164	10.5		7.8	11.8

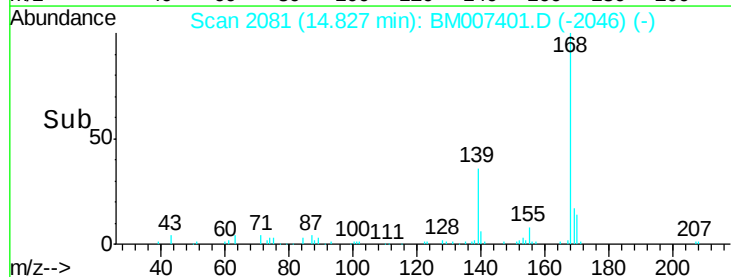
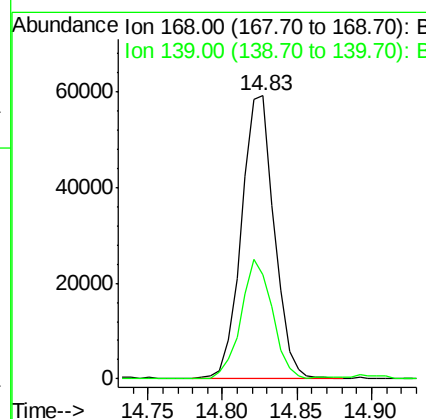
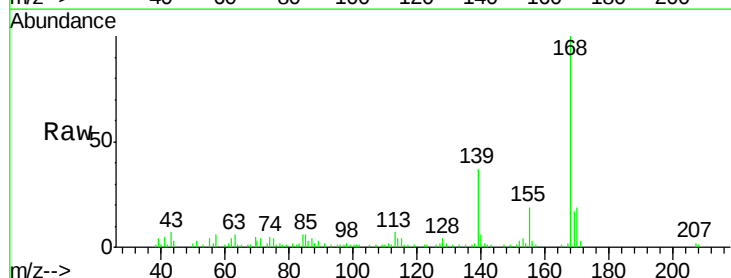
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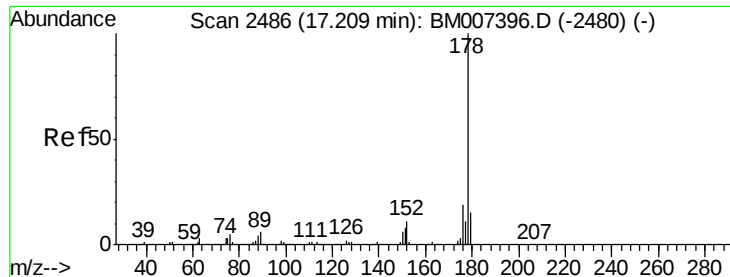
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#53
Dibenzofuran
Concen: 1.44 ng/ul
RT: 14.83 min Scan# 2081
Delta R.T. 0.01 min
Lab File: BM007401.D
Acq: 03 Sep 2016 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	90233		
139	36.9		30.1	45.1





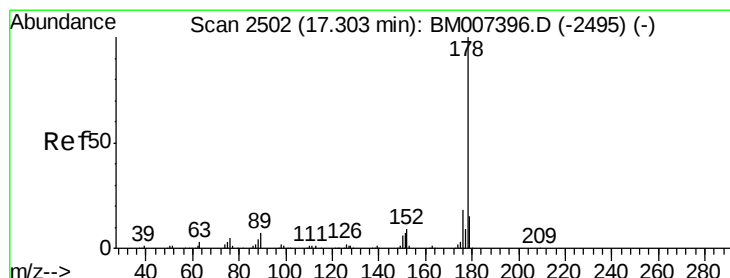
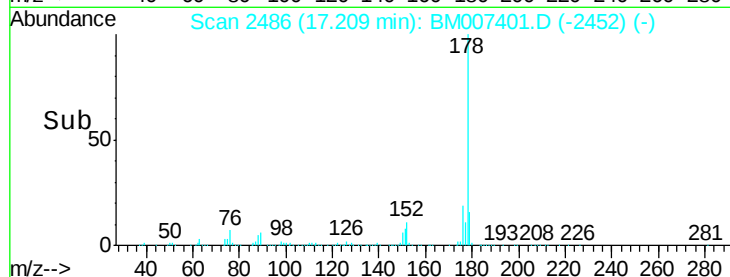
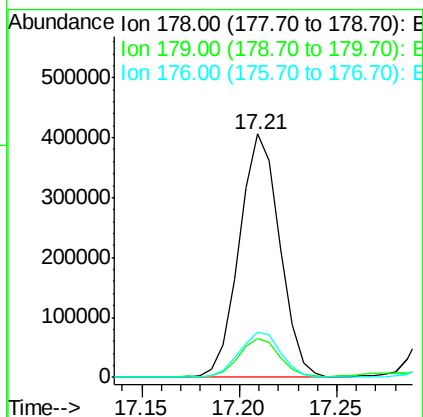
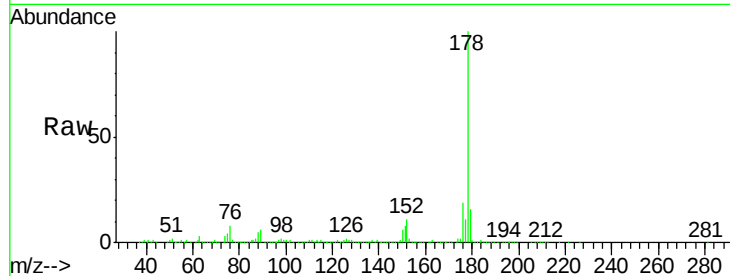
#69
Phenanthrene
Concen: 6.73 ng/ul
RT: 17.21 min Scan# 2486
Delta R.T. 0.00 min
Lab File: BM007401.D
Acq: 03 Sep 2016 11:22

Instrument :
BNA_M
ClientSampled :
BD391

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.2
176	18.7	15.1	22.7

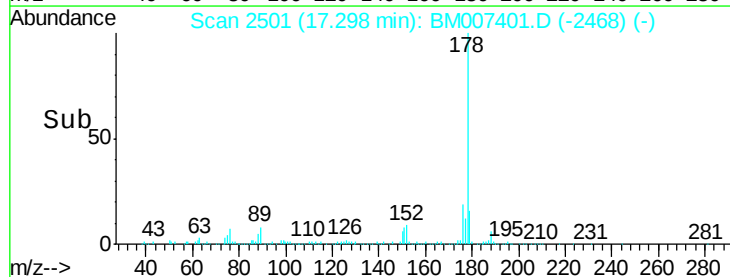
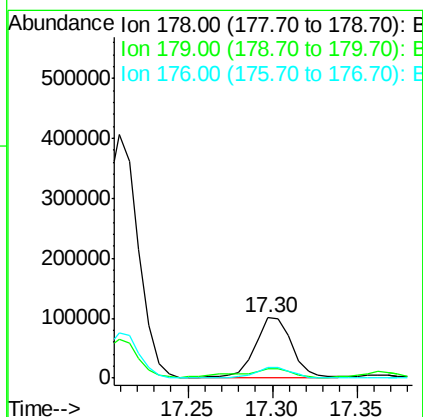
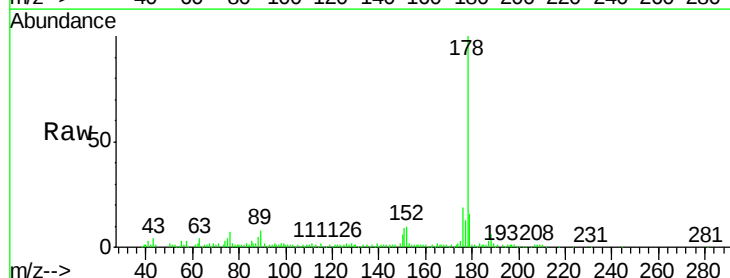
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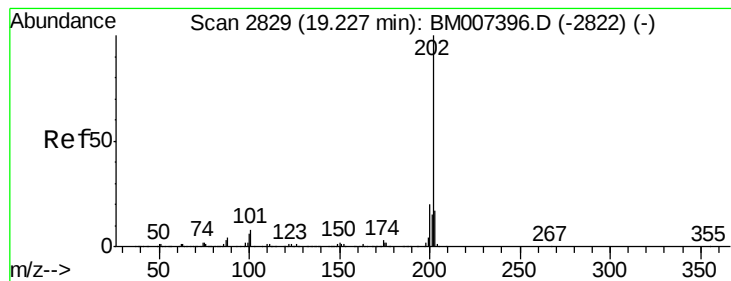
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#71
Anthracene
Concen: 1.65 ng/ul
RT: 17.30 min Scan# 2501
Delta R.T. -0.01 min
Lab File: BM007401.D
Acq: 03 Sep 2016 11:22

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.1	18.1
176	18.6	14.5	21.7





#74

Fluoranthene

Concen: 12.30 ng/ul

RT: 19.23 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

Instrument :

BNA_M

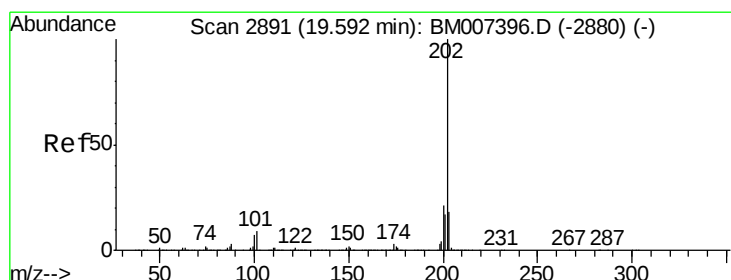
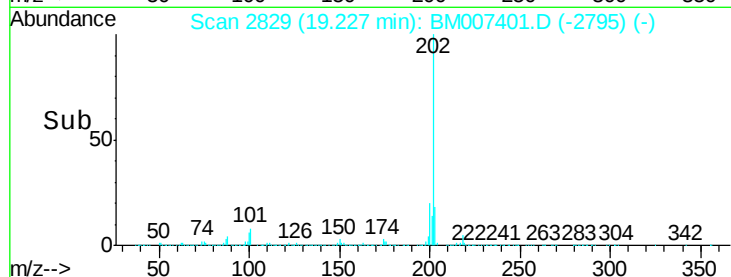
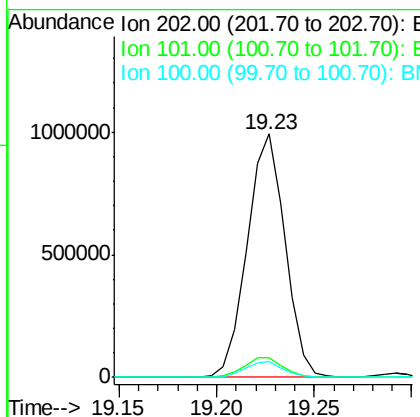
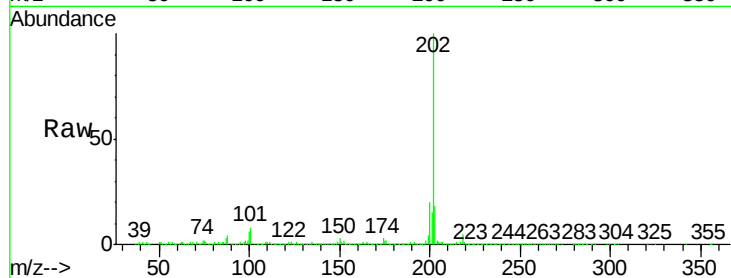
ClientSampled :

BD391

Tgt Ion:	202	Resp:	1325891
Ion Ratio	Lower	Upper	
202	100		
101	8.0	6.9	10.3
100	6.3	5.4	8.0

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#77

Pyrene

Concen: 9.20 ng/ul

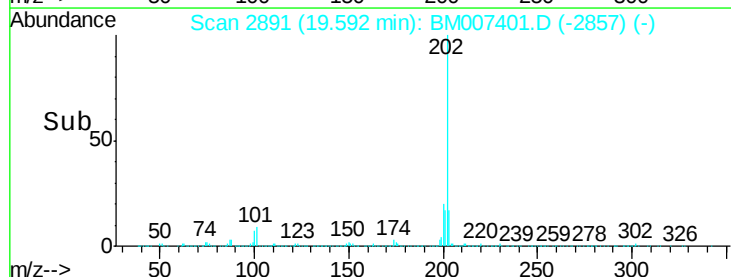
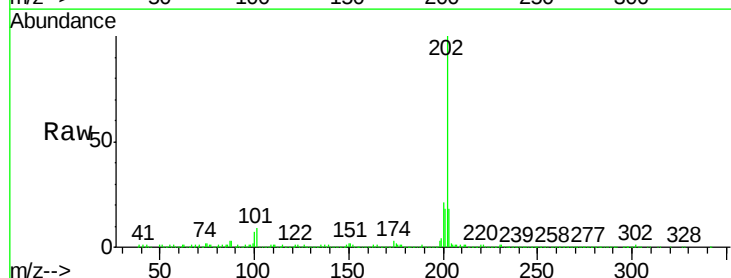
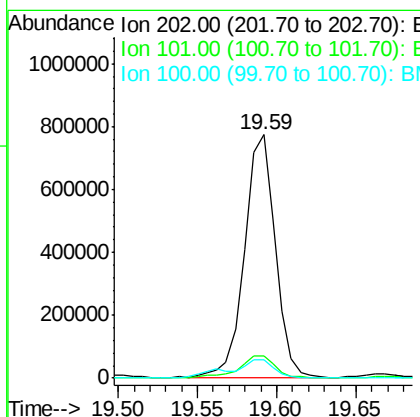
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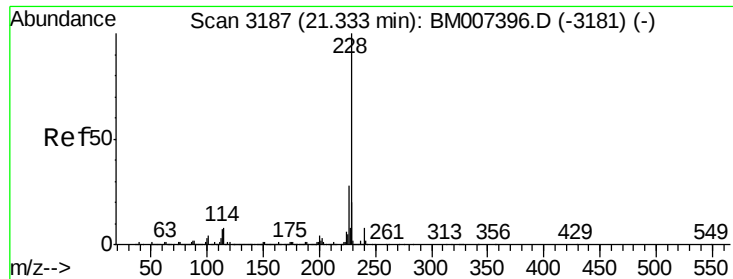
Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

Tgt Ion:	202	Resp:	1036133
Ion Ratio	Lower	Upper	
202	100		
101	9.0	8.4	12.6
100	7.3	6.9	10.3





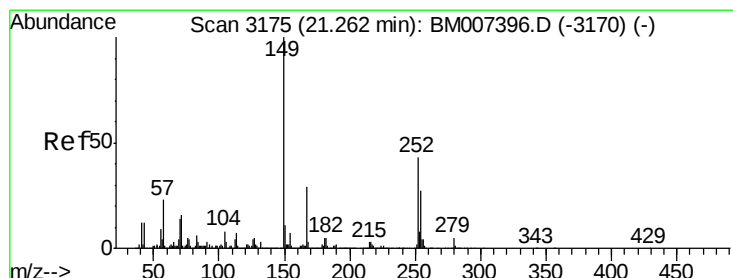
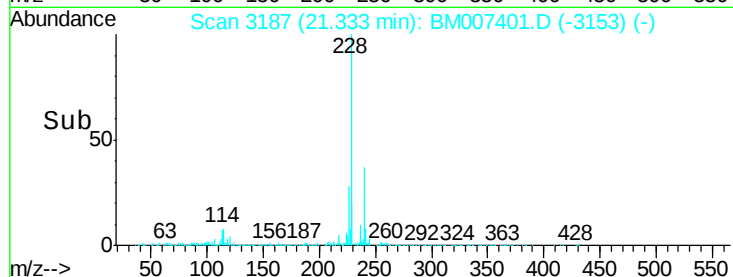
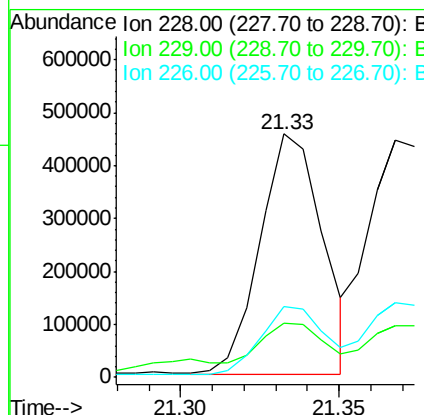
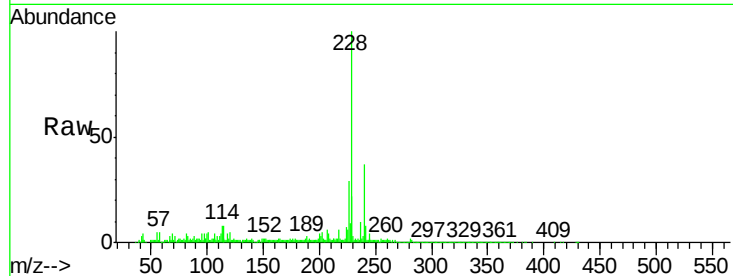
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Benzo(a)anthracene
Concen: 5.06 ng/ul
RT: 21.33 min Scan# 3187
Delta R.T. 0.00 min
Lab File: BM007401.D
Acq: 03 Sep 2016 11:22

Instrument :
BNA_M
ClientSampleId :
BD391

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.6	23.4
226	29.0	21.8	32.8

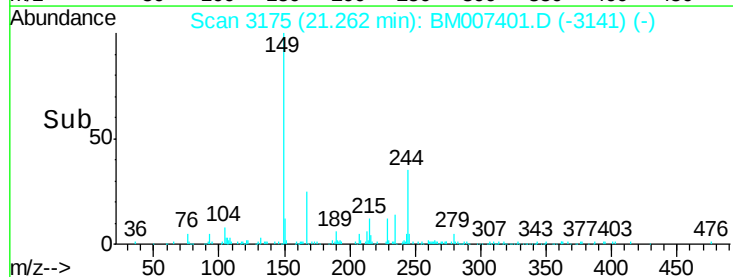
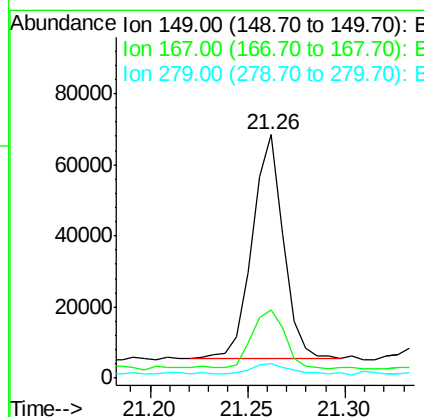
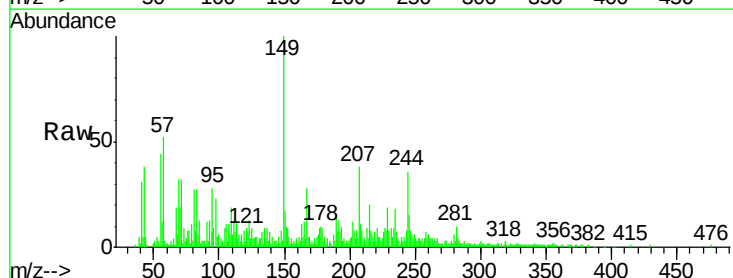
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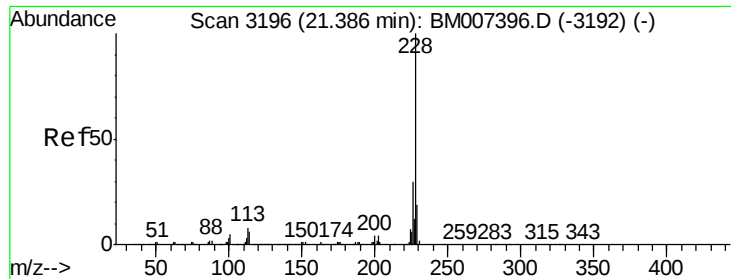
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#81
Bis(2-ethylhexyl)phthalate
Concen: 1.03 ng/ul
RT: 21.26 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BM007401.D
Acq: 03 Sep 2016 11:22

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	23.2	34.8
279	5.9	4.1	6.1





#82

Chrysene

Concen: 11.30 ng/ul

RT: 21.39 min Scan# 3196

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

Instrument :

BNA_M

ClientSampleId :

BD391

Tgt Ion:228 Resp: 1265859

Ion Ratio Lower Upper

228 100

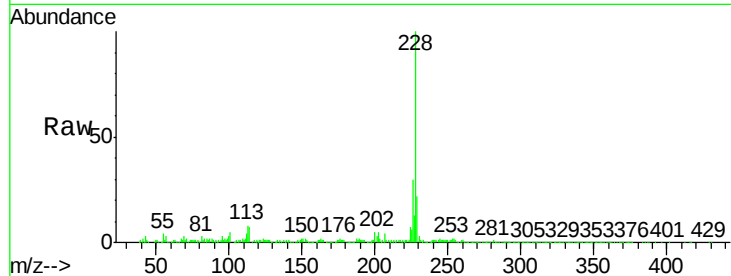
226 30.3 23.4 35.2

229 21.9 15.5 23.3

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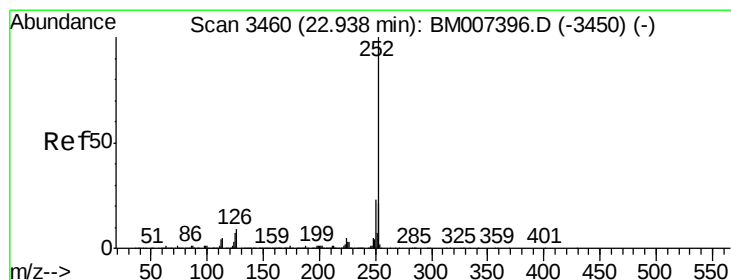
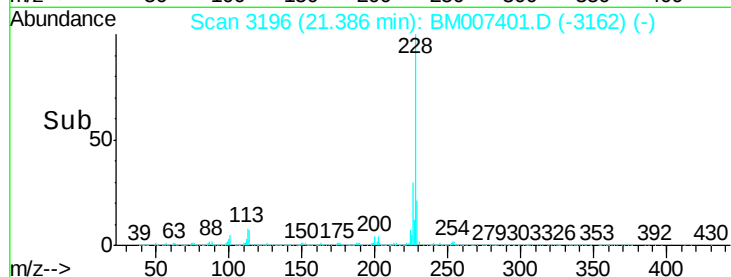
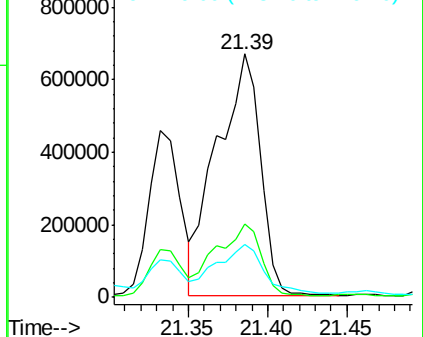
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 14.87 ng/ul

RT: 22.94 min Scan# 3460

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

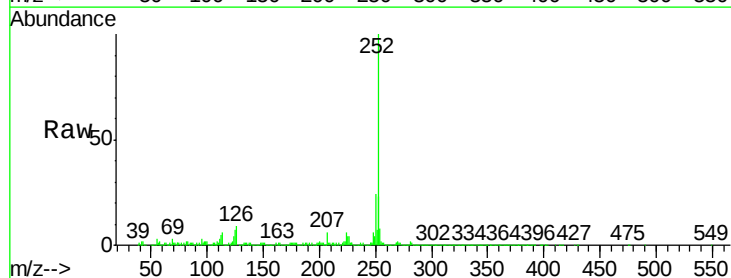
Tgt Ion:252 Resp: 1830350

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

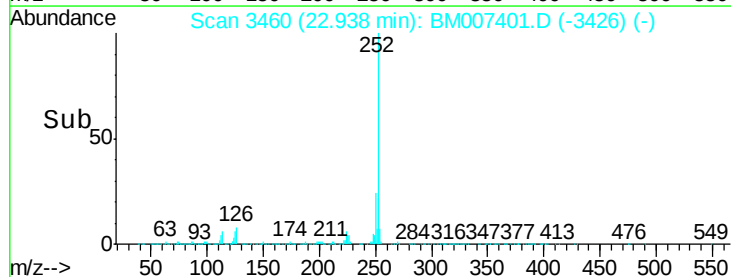
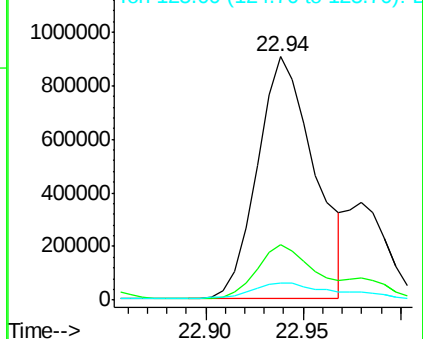
125 7.0 5.8 8.8

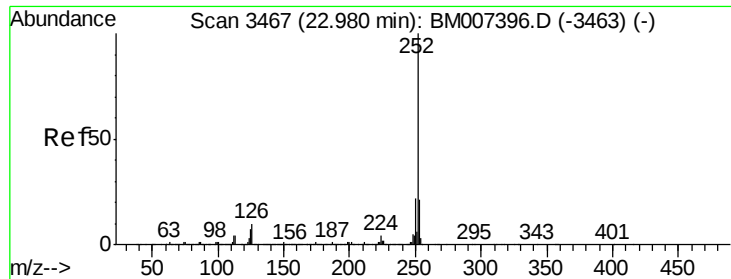


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





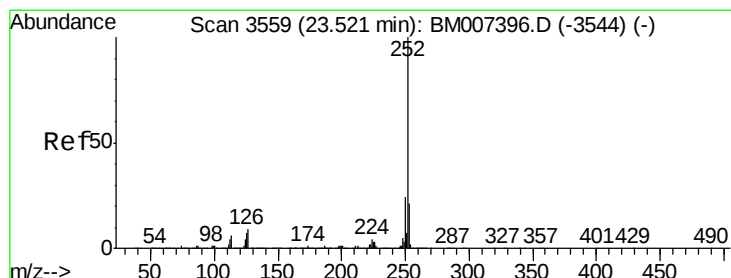
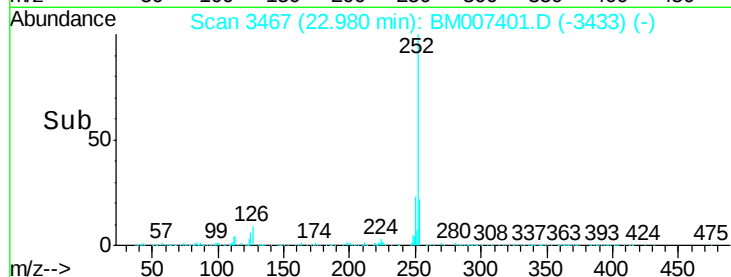
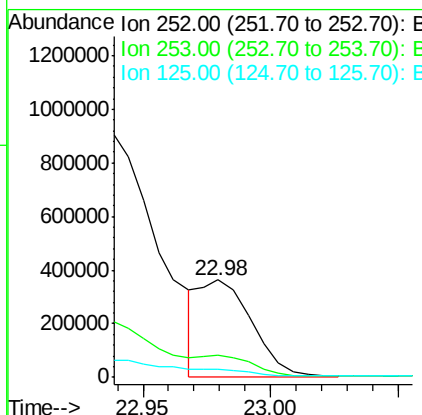
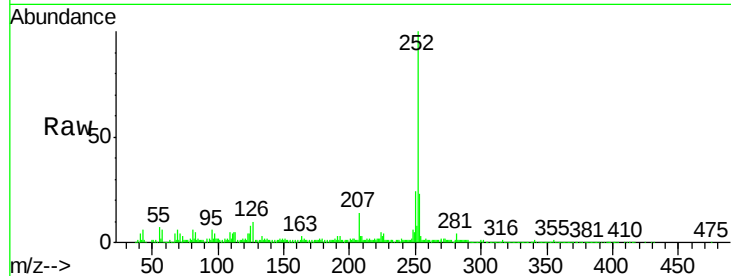
#86
Benzo(k)fluoranthene
Concen: 4.59 ng/ul m
RT: 22.98 min Scan# 3467
Delta R.T. 0.00 min
Lab File: BM007401.D
Acq: 03 Sep 2016 11:22

Instrument :
BNA_M
ClientSampled :
BD391

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	521973		
253	23.2		17.6	26.4
125	8.4		5.7	8.5

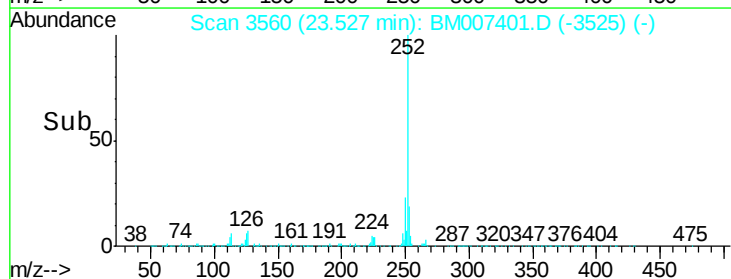
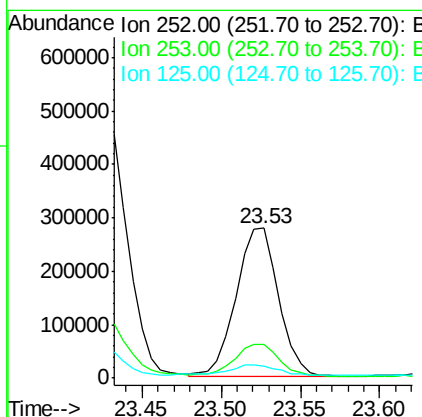
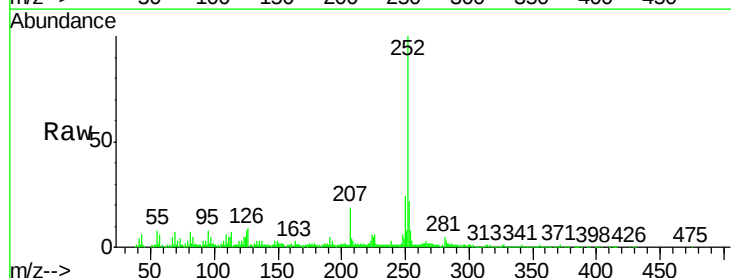
Manual Integrations
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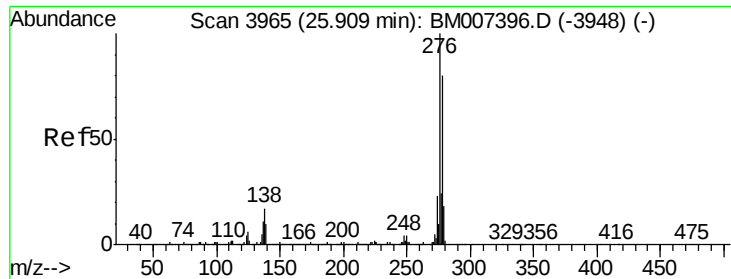
sohil
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#88
Benzo(a)pyrene
Concen: 4.35 ng/ul
RT: 23.53 min Scan# 3560
Delta R.T. 0.01 min
Lab File: BM007401.D
Acq: 03 Sep 2016 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	512372		
253	22.3		17.7	26.5
125	8.4		6.6	9.8





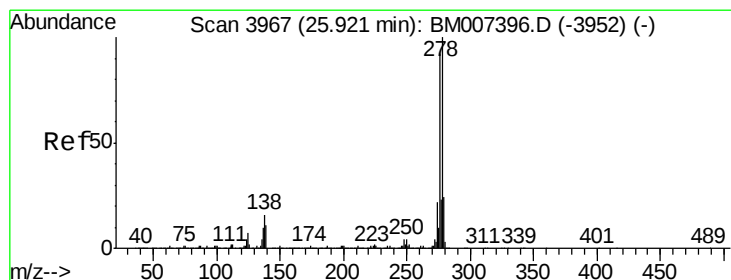
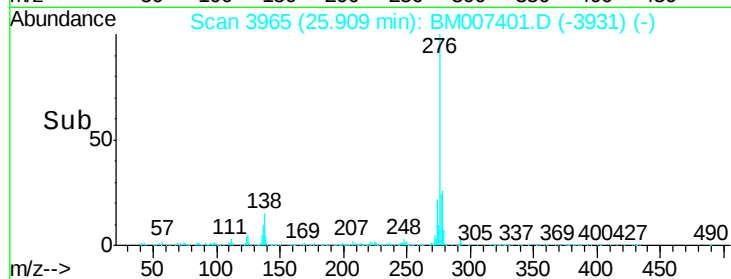
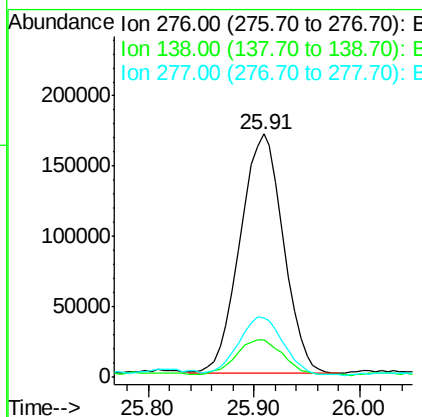
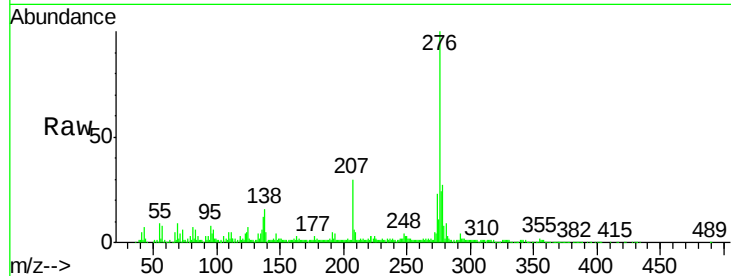
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 3.35 ng/ul
 RT: 25.91 min Scan# 3965
 Delta R.T. 0.00 min
 Lab File: BM007401.D
 Acq: 03 Sep 2016 11:22

Instrument :
 BNA_M
 ClientSampleId :
 BD391

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	15.6	13.9	20.9
277	24.4	20.1	30.1

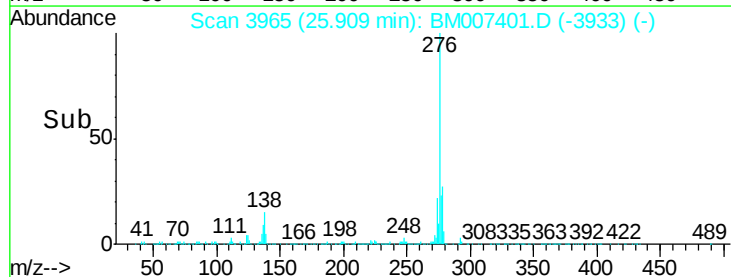
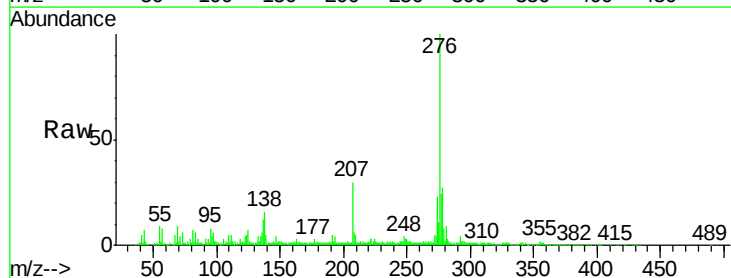
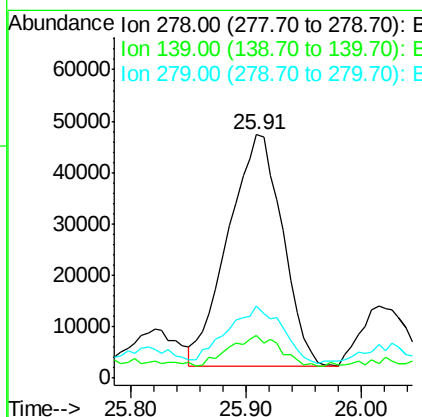
Manual Integrations
 APPROVED

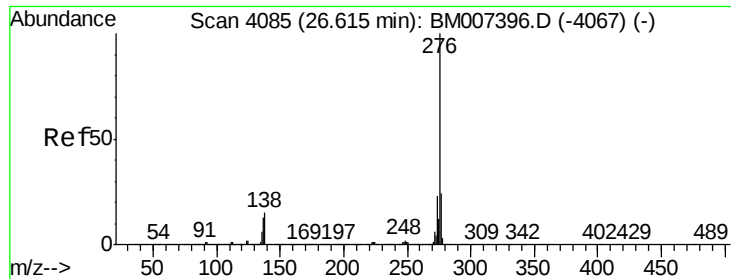
sohil
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#90
 Dibenzo(a,h)anthracene
 Concen: 1.22 ng/ul
 RT: 25.91 min Scan# 3965
 Delta R.T. -0.01 min
 Lab File: BM007401.D
 Acq: 03 Sep 2016 11:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	17.5	9.5	14.3#
279	29.8	19.1	28.7#





#91
 Benzo(g,h,i)perylene
 Concen: 2.92 ng/ul
 RT: 26.61 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: BM007401.D
 Acq: 03 Sep 2016 11:22

Instrument :
 BNA_M
 ClientSampleId :
 BD391

Tgt	Ion	276	Resp:	358325
Ion	Ratio	Lower	Upper	
276	100			
138	14.9	13.5	20.3	
277	22.9	19.3	28.9	

Manual Integrations
 APPROVED

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