

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
 Data File : BM008419.D
 Acq On : 17 Dec 2016 19:36
 Operator : UM/SJ
 Sample : H6067-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7F6

Manual Integrations
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Quant Time: Dec 18 04:26:22 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 18 04:15:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	122192	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	461091	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.30	164	290124	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	583210	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	797121	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	850453	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	8432	3.25	ng/uL	0.00
5) Phenol-d5	6.86	99	124297	13.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.01	67	92109	16.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	113736	15.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	89352	12.17	ng/ul	0.01
19) Nitrobenzene-d5	8.83	128	58073	17.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	62411	16.90	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.10	165	100737	14.89	ng/ul	0.02
29) 4-Chloroaniline-d4	10.63	131	49036	6.32	ng/ul	0.04
43) Dimethylphthalate-d6	13.72	166	359086	18.62	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	435729	19.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	17026m	5.99	ng/ul	0.06
57) Fluorene-d10	15.30	176	313989	18.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	33859	9.75	ng/ul	0.00
70) Anthracene-d10	17.15	188	489255	19.26	ng/ul	0.00
76) Pyrene-d10	19.46	212	608429	19.77	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	678943	19.01	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	6.89	94	26193	2.66	ng/ul	92
44) Dimethylphthalate	13.77	163	122697	6.49	ng/ul	98
47) Acenaphthylene	14.02	152	337960	14.57	ng/ul	97
58) Fluorene	15.36	166	20680	1.08	ng/ul	99
69) Phenanthrene	17.10	178	118112	3.95	ng/ul	98
71) Anthracene	17.19	178	613048	20.21	ng/ul	99
74) Fluoranthene	19.12	202	841451	22.92	ng/ul	99
77) Pyrene	19.49	202	949237	24.25	ng/ul	100
80) Benzo(a)anthracene	21.24	228	1882847	45.70	ng/ul	96
82) Chrysene	21.29	228	2809336	70.90	ng/ul	97
85) Benzo(b)fluoranthene	22.83	252	4800550	104.58	ng/ul	99
86) Benzo(k)fluoranthene	22.86	252	1439864m	32.78	ng/ul	
88) Benzo(a)pyrene	23.39	252	2928859	66.22	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.72	276	2255224	41.99	ng/ul	97
90) Dibenzo(a,h)anthracene	25.72	278	710079	15.75	ng/ul#	91
91) Benzo(g,h,i)perylene	26.41	276	1982702	44.14	ng/ul	99

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

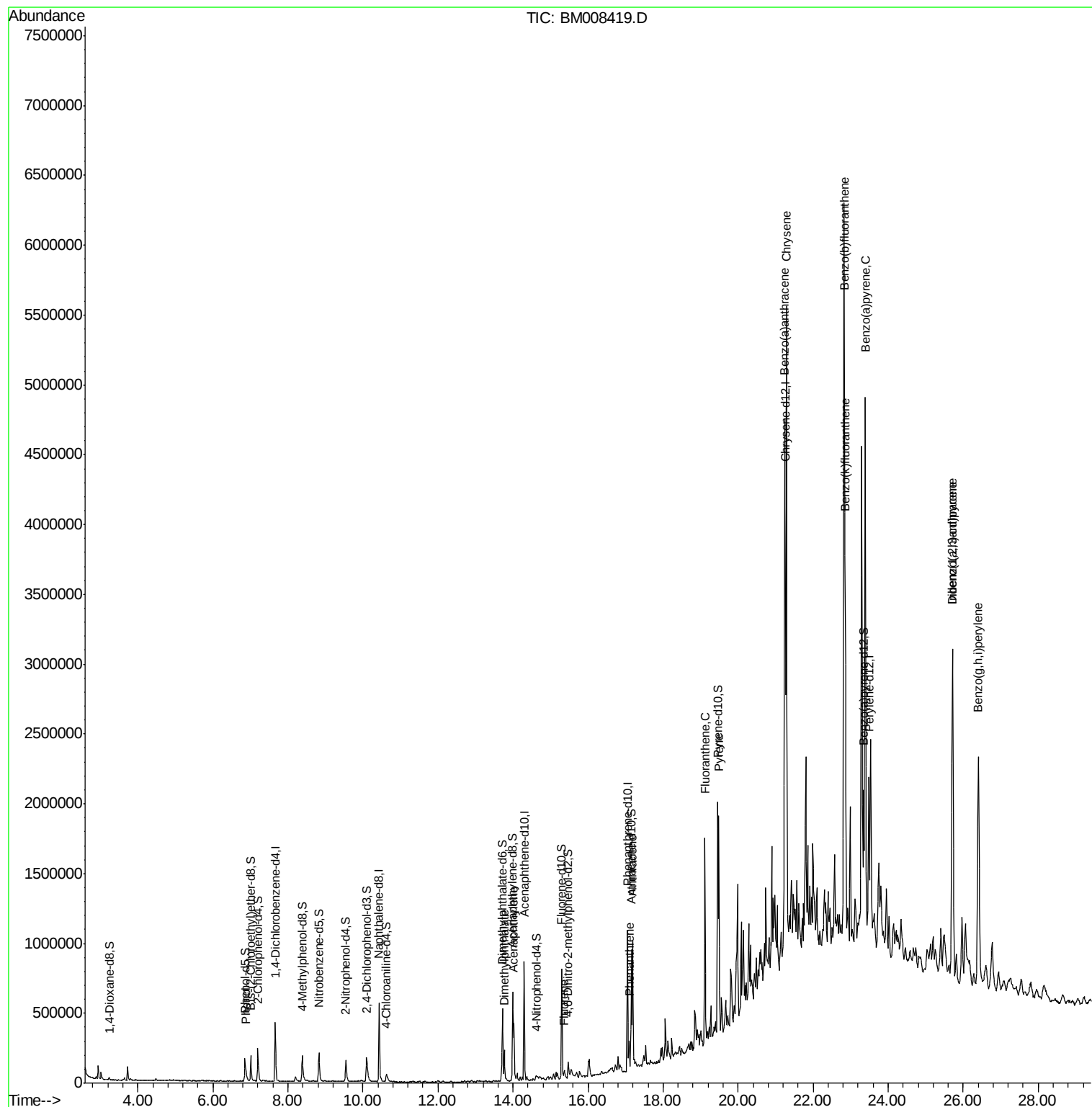
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008419.D
Acq On : 17 Dec 2016 19:36
Operator : UM/SJ
Sample : H6067-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

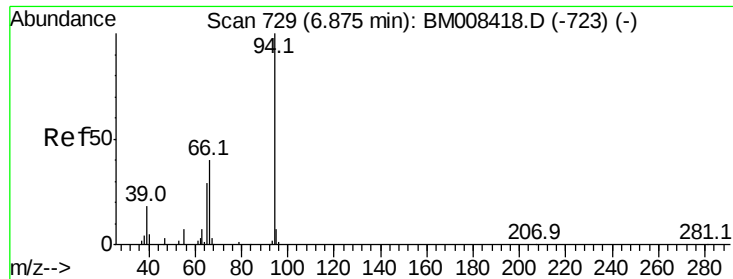
Instrument :
BNA_M
ClientSampleId :
DA7F6

Quant Time: Dec 18 04:26:22 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM12
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 04:15:46 2016
Response via : Initial Calibration

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#6

Phenol

Concen: 2.66 ng/ul

RT: 6.89 min Scan# 731

Delta R.T. 0.01 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

Instrument :

BNA_M

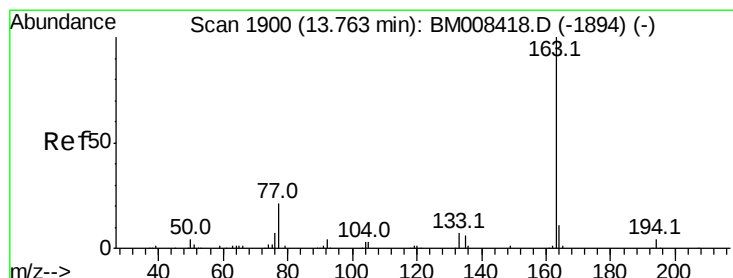
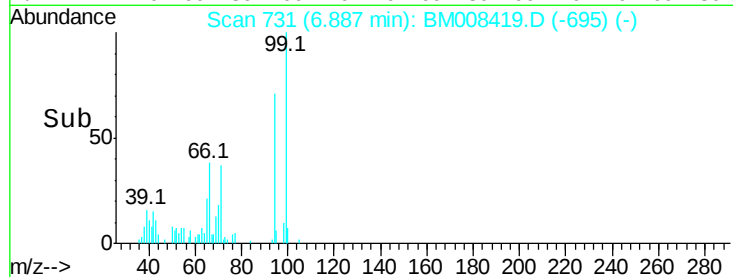
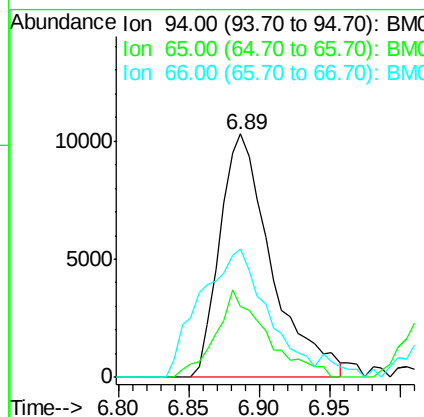
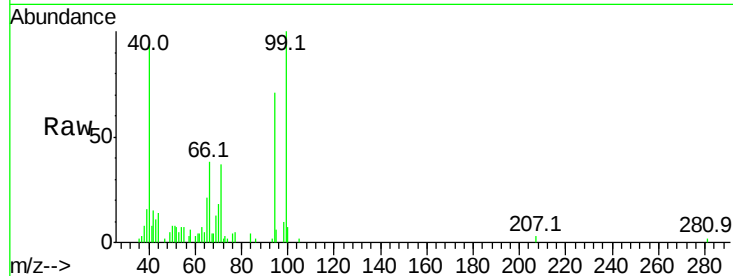
ClientSampleId :

DA7F6

Tot Ion:	94	Resp:	26193
Ion Ratio	Lower	Upper	
94	100		
65	29.0	22.6	34.0
66	53.0	35.8	53.8

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#44

Dimethylphthalate

Concen: 6.49 ng/ul

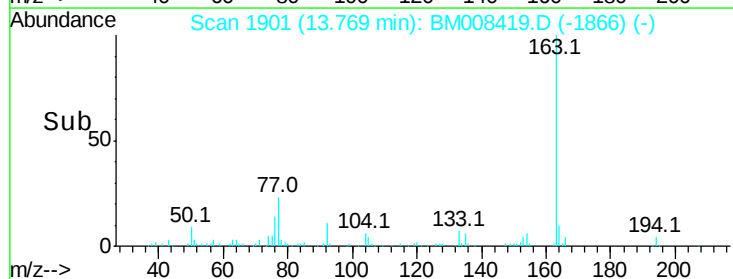
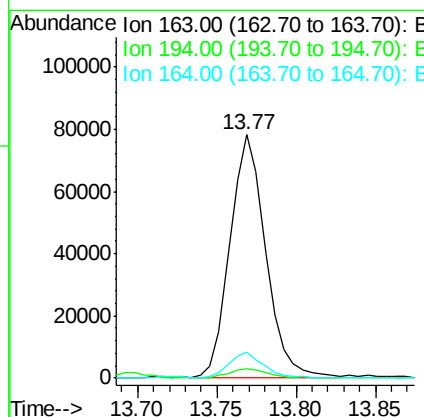
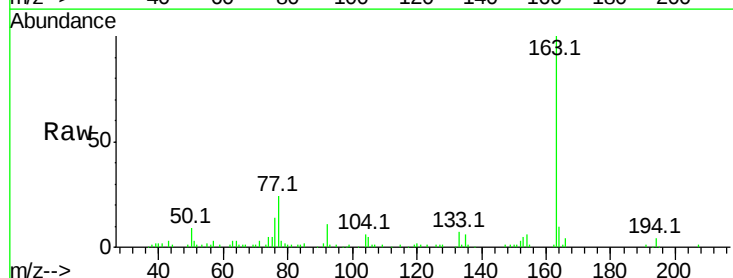
RT: 13.77 min Scan# 1901

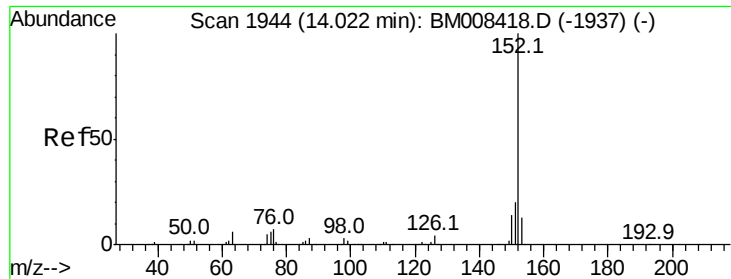
Delta R.T. 0.01 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

Tgt Ion:	163	Resp:	122697
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.5	5.3
164	10.5	7.8	11.8





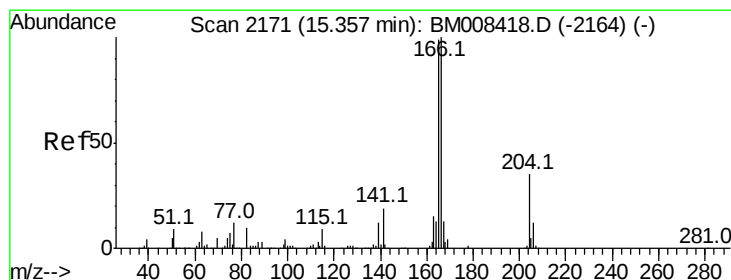
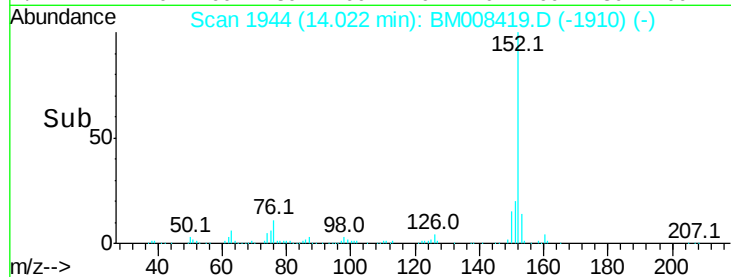
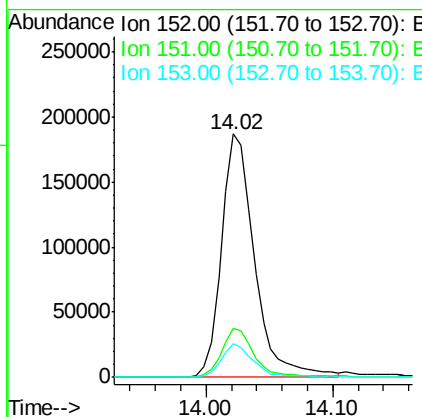
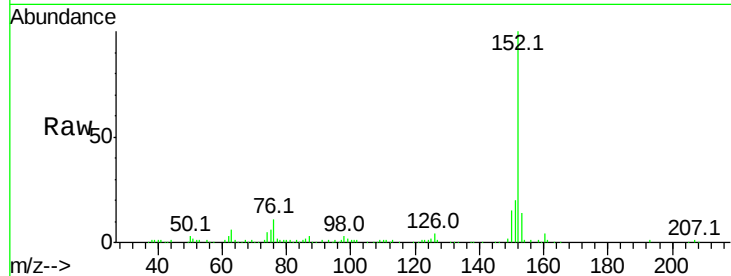
#47
Acenaphthylene
Concen: 14.57 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: BM008419.D
Acq: 17 Dec 2016 19:36

Instrument :
BNA_M
ClientSampled :
DA7F6

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.3	22.9
153	13.7	9.9	14.9

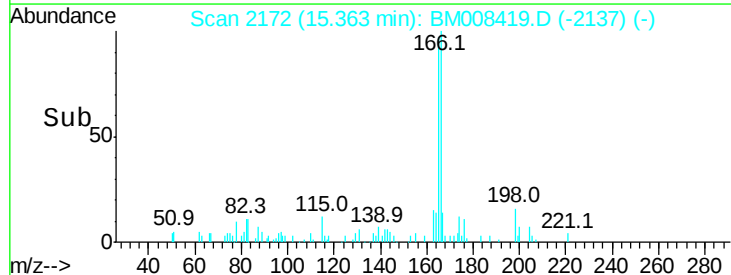
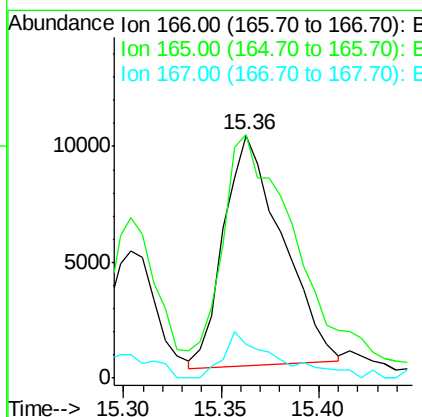
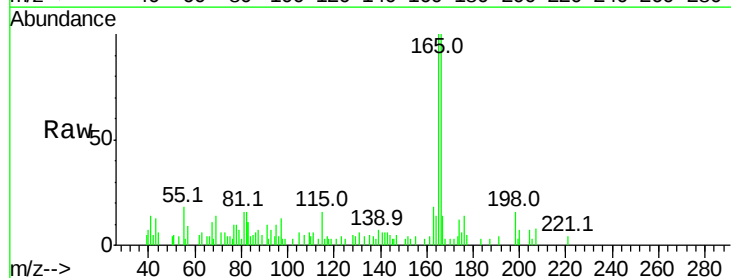
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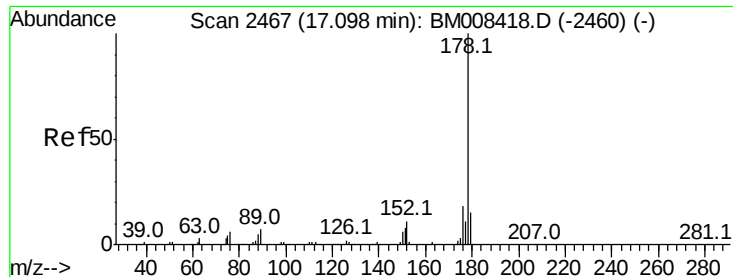
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#58
Fluorene
Concen: 1.08 ng/ul
RT: 15.36 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BM008419.D
Acq: 17 Dec 2016 19:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.3	118.9
167	13.9	10.7	16.1





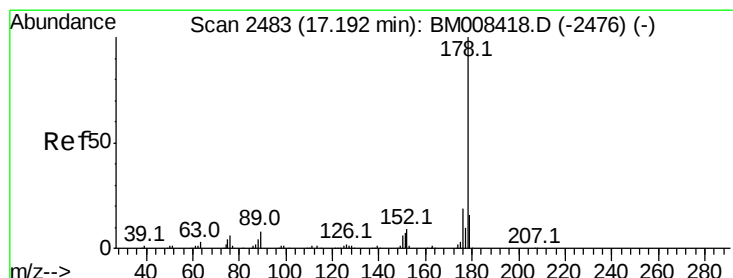
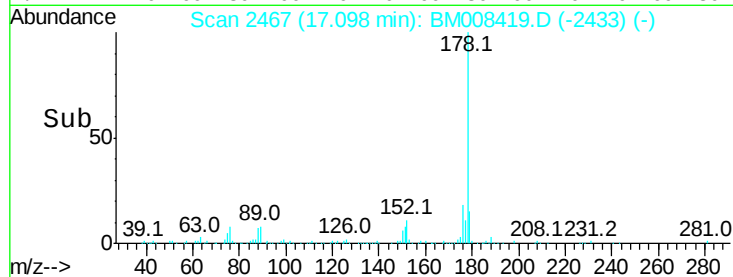
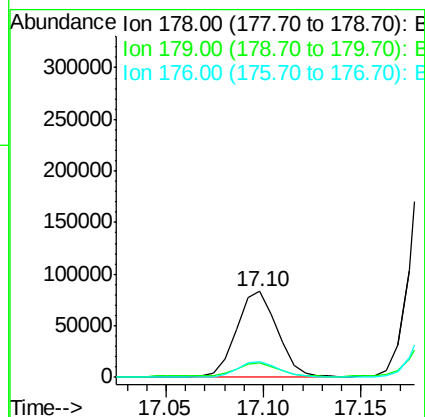
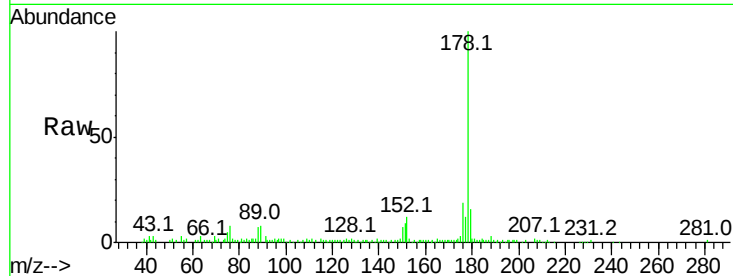
#69
Phenanthrene
Concen: 3.95 ng/ul
RT: 17.10 min Scan# 2467
Delta R.T. -0.00 min
Lab File: BM008419.D
Acq: 17 Dec 2016 19:36

Instrument :
BNA_M
ClientSampleId :
DA7F6

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.0	18.0
176	18.5	14.6	21.8

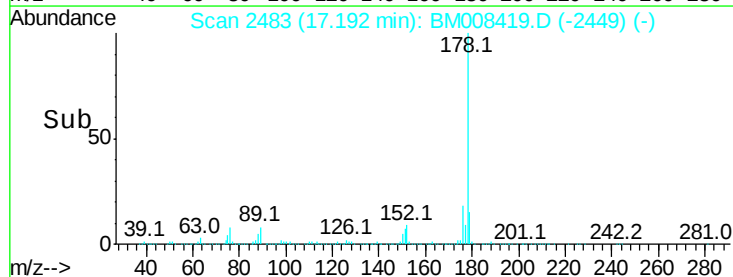
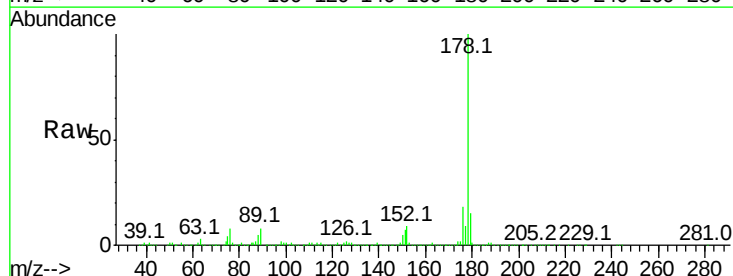
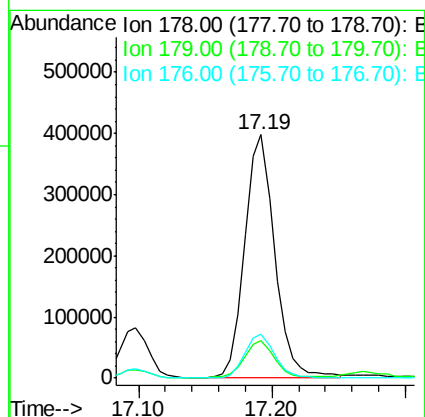
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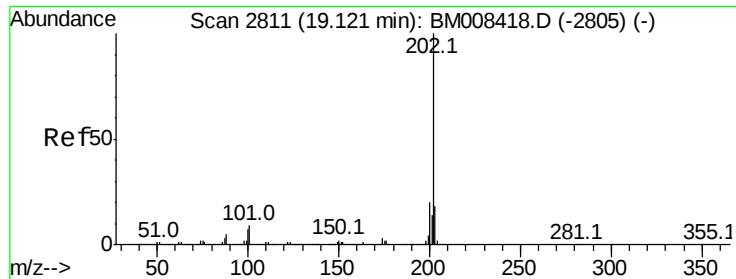
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#71
Anthracene
Concen: 20.21 ng/ul
RT: 17.19 min Scan# 2483
Delta R.T. 0.00 min
Lab File: BM008419.D
Acq: 17 Dec 2016 19:36

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.1	18.1
176	18.1	14.3	21.5





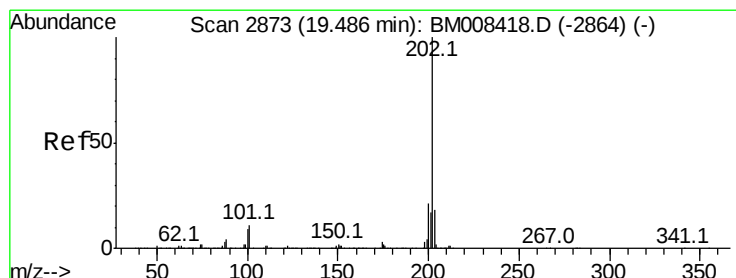
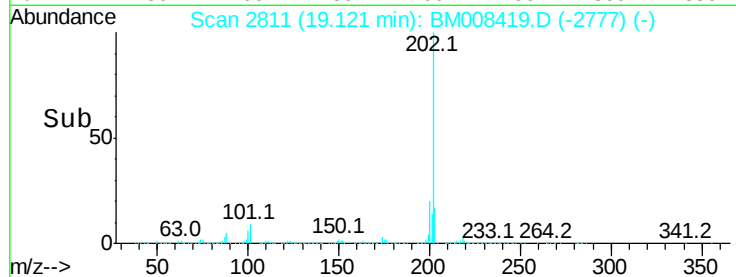
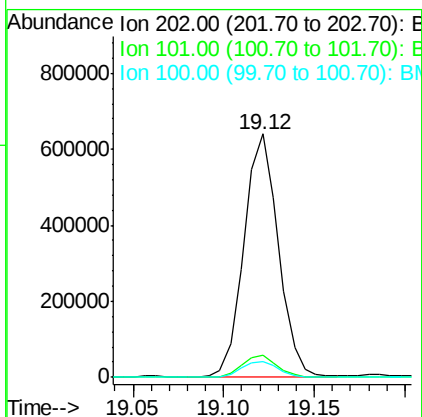
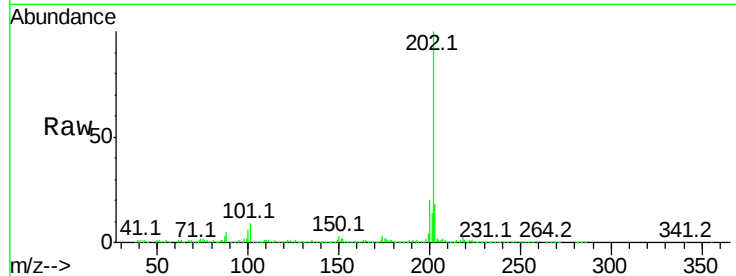
#74
 Fluoranthene
 Concen: 22.92 ng/ul
 RT: 19.12 min Scan# 2811
 Delta R.T. 0.00 min
 Lab File: BM008419.D
 Acq: 17 Dec 2016 19:36

Instrument :
 BNA_M
 ClientSampleId :
 DA7F6

Tot Ion	Ratio	Resp	Lower	Upper
202	100	841451		
101	9.0	6.6	10.0	
100	6.5	5.3	7.9	

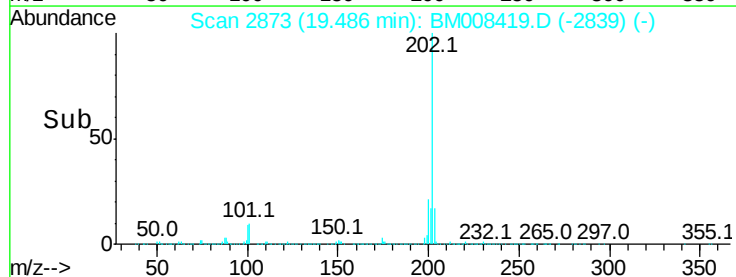
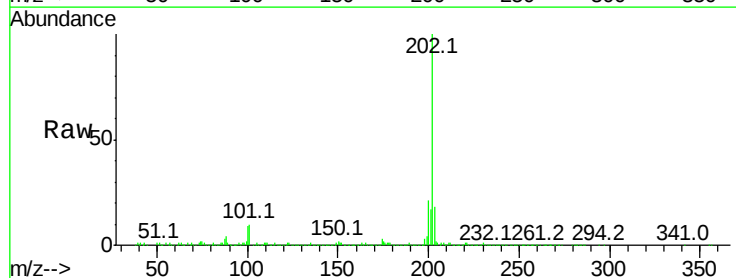
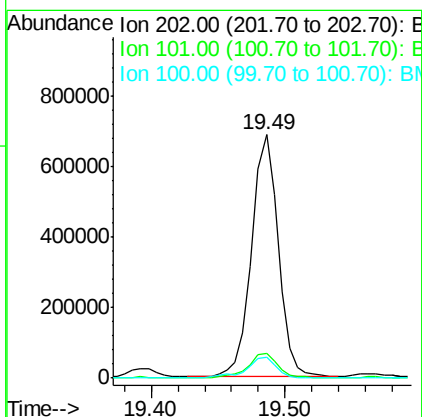
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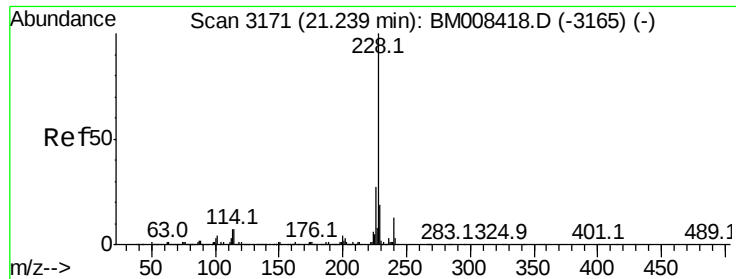
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#77
 Pyrene
 Concen: 24.25 ng/ul
 RT: 19.49 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: BM008419.D
 Acq: 17 Dec 2016 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	949237		
101	10.2	8.2	12.4	
100	8.8	7.0	10.6	





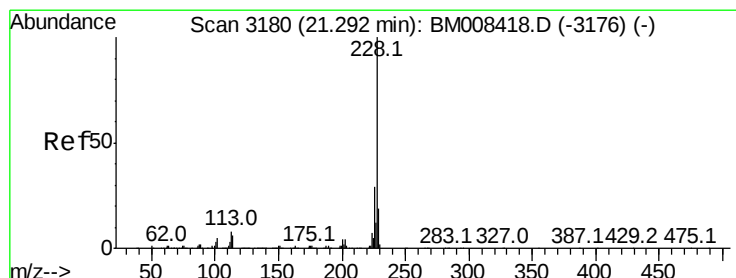
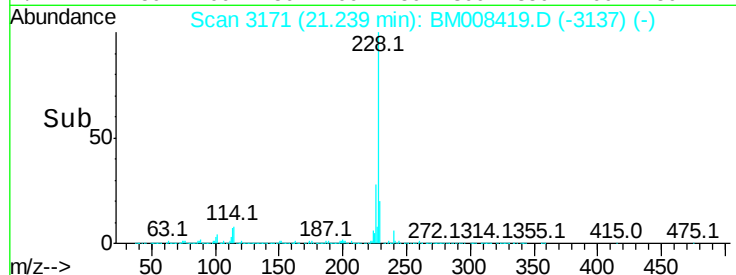
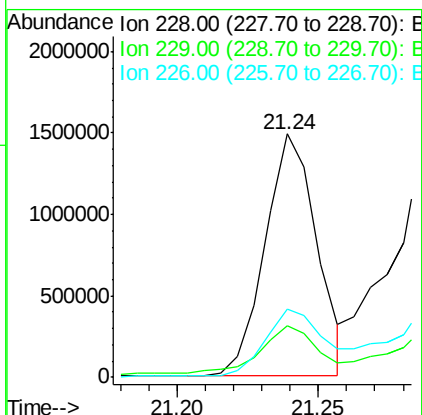
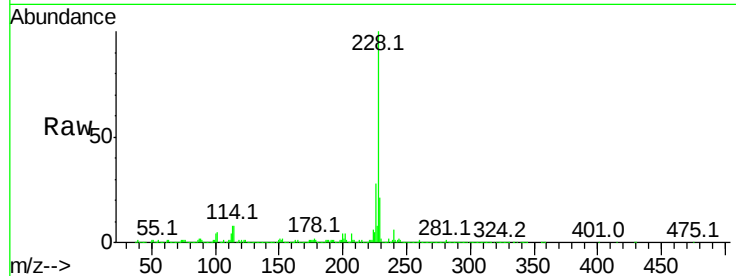
#80
Benzo(a)anthracene
Concen: 45.70 ng/ul
RT: 21.24 min Scan# 3171
Delta R.T. -0.00 min
Lab File: BM008419.D
Acq: 17 Dec 2016 19:36

Instrument :
BNA_M
ClientSampleId :
DA7F6

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.4	23.2
226	28.3	21.2	31.8

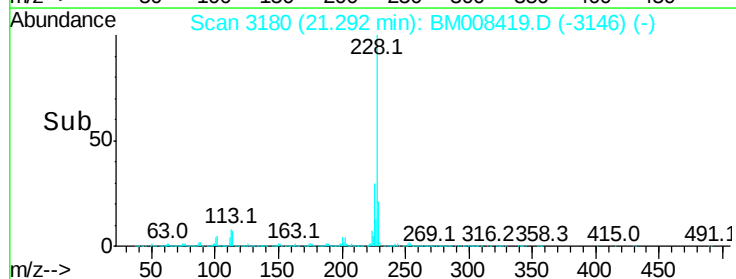
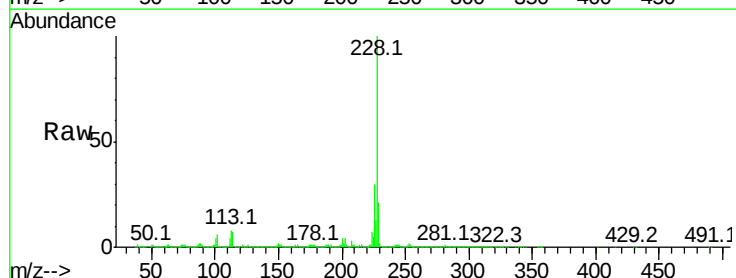
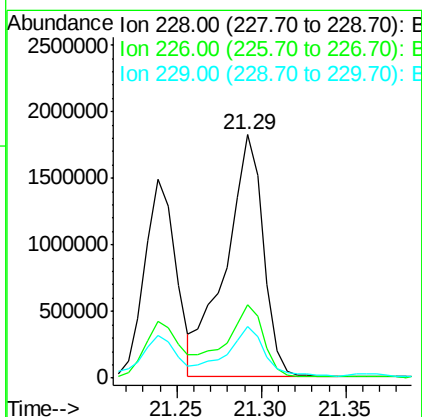
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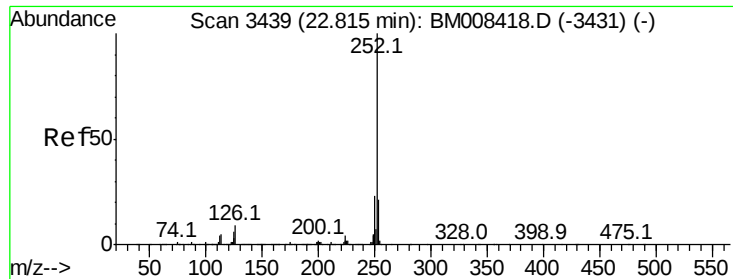
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#82
Chrysene
Concen: 70.90 ng/ul
RT: 21.29 min Scan# 3180
Delta R.T. 0.00 min
Lab File: BM008419.D
Acq: 17 Dec 2016 19:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.1	34.7
229	21.0	15.4	23.2





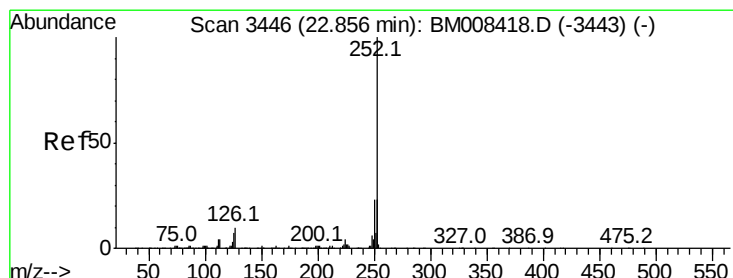
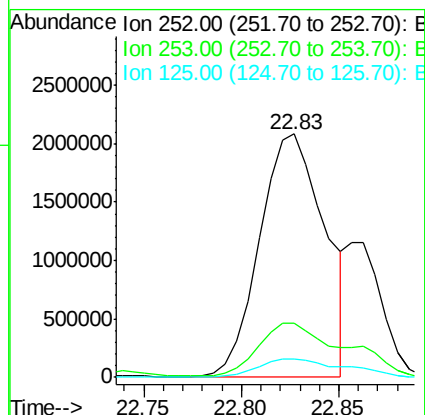
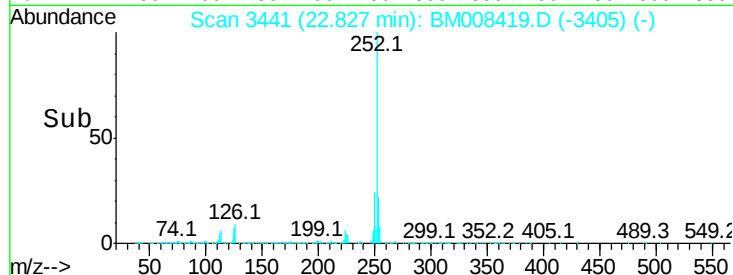
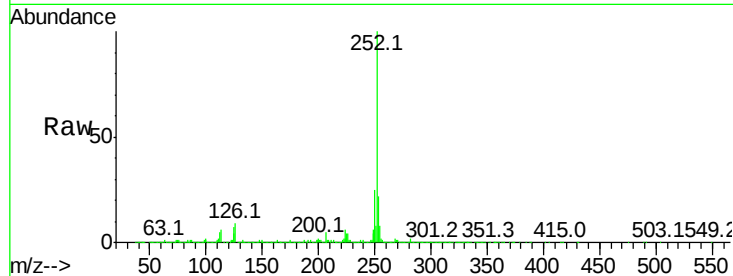
#85
Benzo(b)fluoranthene
Concen: 104.58 ng/ul
RT: 22.83 min Scan# 3441
Delta R.T. 0.01 min
Lab File: BM008419.D
Acq: 17 Dec 2016 19:36

Instrument :
BNA_M
ClientSampleId :
DA7F6

Tot Ion:252 Resp: 4800550
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 7.4 5.4 8.2

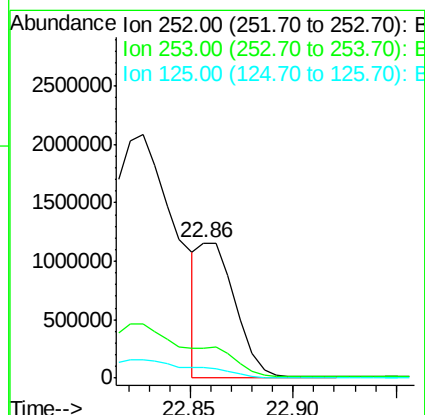
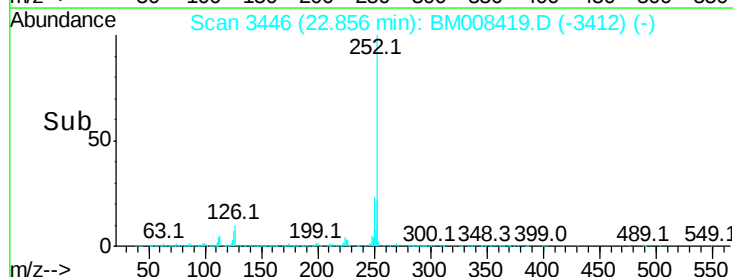
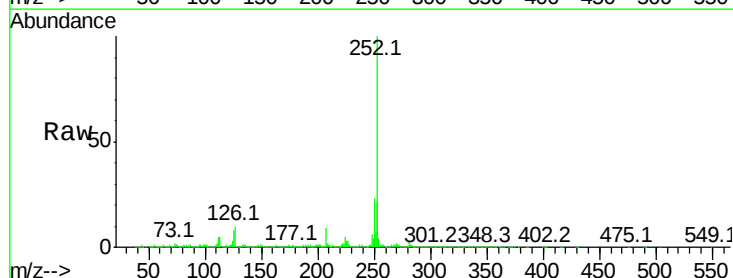
Manual Integrations
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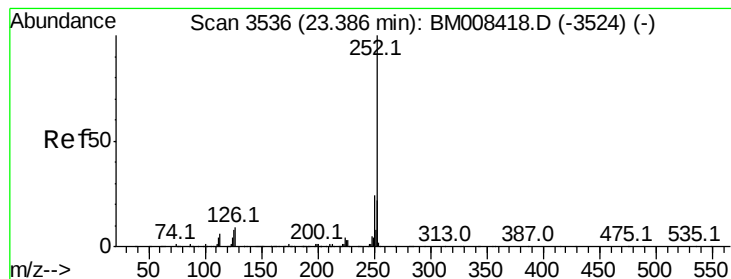
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#86
Benzo(k)fluoranthene
Concen: 32.78 ng/ul m
RT: 22.86 min Scan# 3446
Delta R.T. 0.00 min
Lab File: BM008419.D
Acq: 17 Dec 2016 19:36

Tgt Ion:252 Resp: 1439864
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 7.7 5.8 8.6





#88

Benzo(a)pyrene

Concen: 66.22 ng/ul

RT: 23.39 min Scan# 3537

Delta R.T. 0.01 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

Instrument :

BNA_M

ClientSampleId :

DA7F6

Tot Ion:252 Resp: 2928859

Ion Ratio Lower Upper

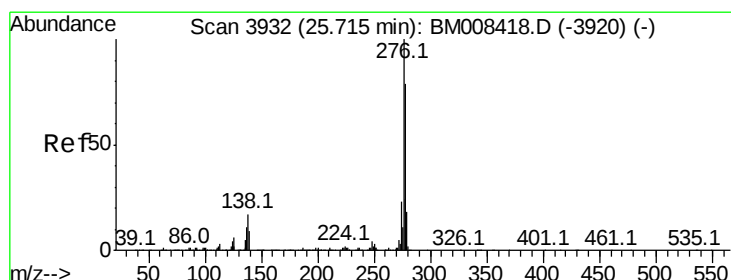
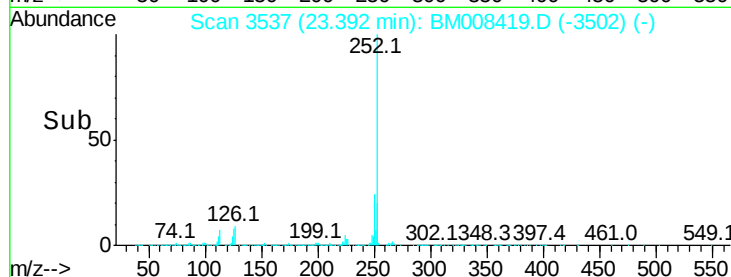
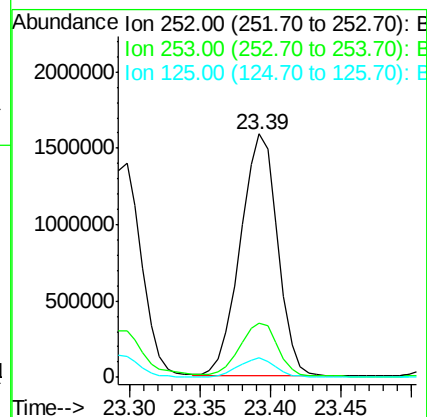
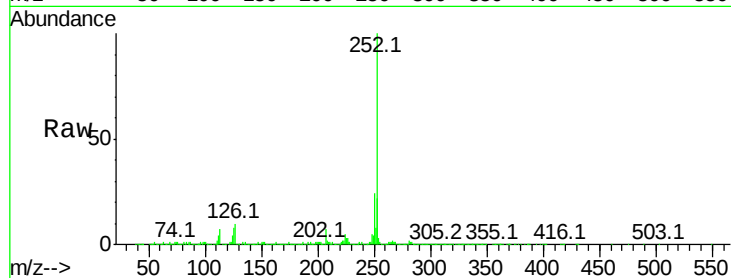
252 100

253 22.5 17.4 26.2

125 8.0 6.6 9.8

Manual Integrations
APPROVED

umangi
12/20/2016 10:51:42 AM



#89

Indeno(1,2,3-cd)pyrene

Concen: 41.99 ng/ul

RT: 25.72 min Scan# 3933

Delta R.T. 0.01 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

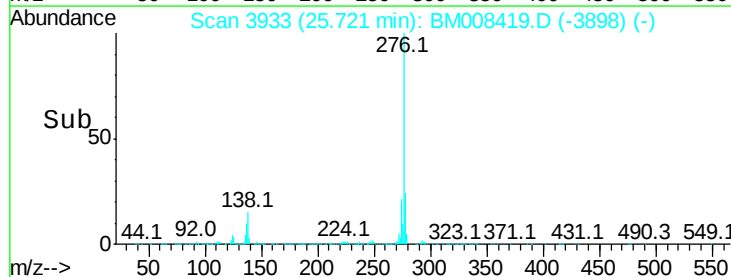
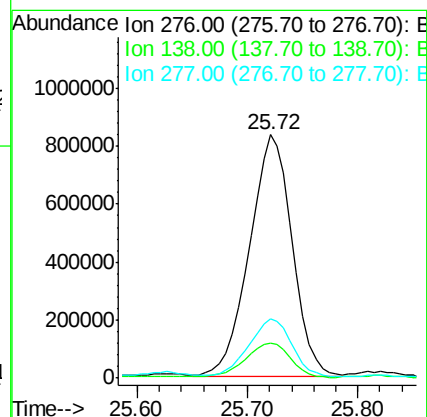
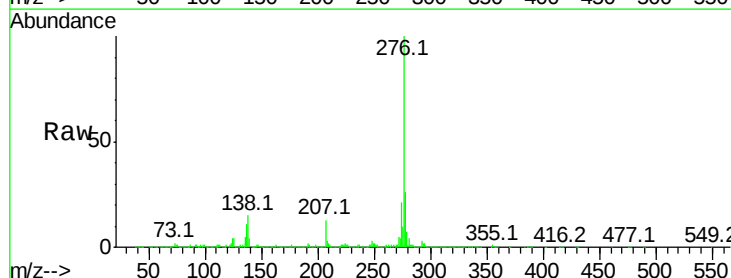
Tgt Ion:276 Resp: 2255224

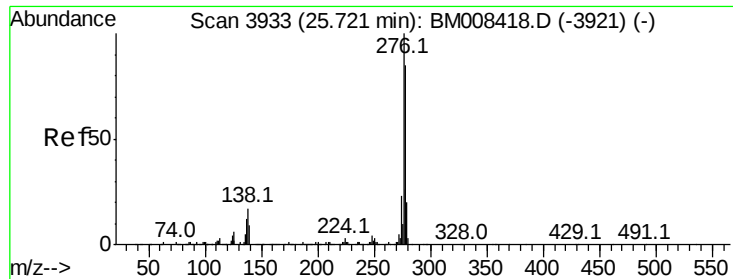
Ion Ratio Lower Upper

276 100

138 14.6 13.4 20.2

277 24.2 19.7 29.5





#90

Dibenzo(a,h)anthracene

Concen: 15.75 ng/ul

RT: 25.72 min Scan# 3932

Delta R.T. -0.01 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

Instrument :

BNA_M

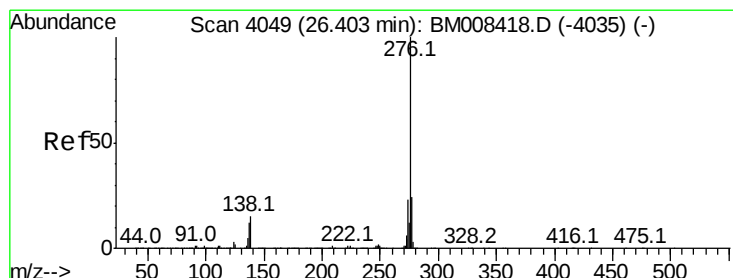
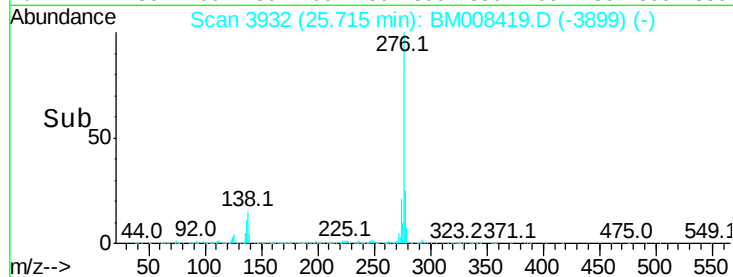
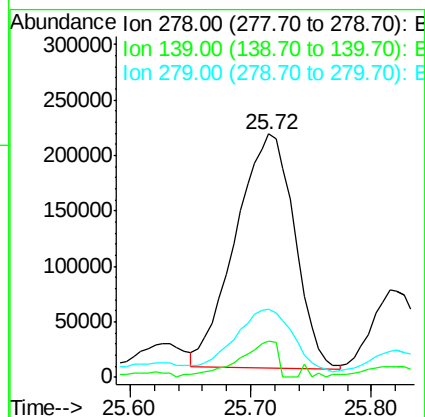
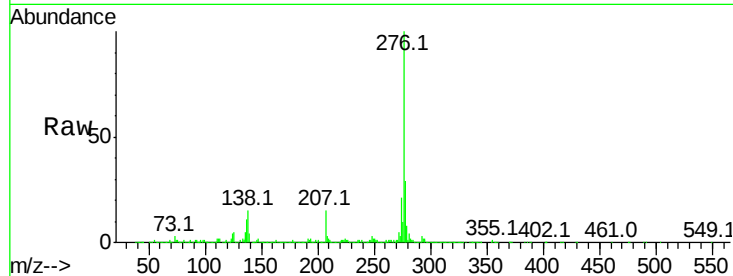
ClientSampleId :

DA7F6

Tot Ion:	278	Resp:	710079
Ion Ratio	Lower	Upper	
278	100		
139	14.7	9.4	14.0#
279	28.2	18.6	28.0#

Manual Integrations
APPROVED

umangi
12/20/2016 10:51:42 AM



#91

Benzo(g,h,i)perylene

Concen: 44.14 ng/ul

RT: 26.41 min Scan# 4050

Delta R.T. 0.01 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

Tgt Ion:	276	Resp:	1982702
Ion Ratio	Lower	Upper	
276	100		
138	15.1	12.0	18.0
277	23.6	19.4	29.0

