

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
 Data File : BM008435.D
 Acq On : 18 Dec 2016 13:22
 Operator : UM/SJ
 Sample : H6067-05DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 DA7F6DL

Manual Integrations
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Quant Time: Dec 19 01:32:56 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 19 01:22:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	142720	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	547029	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.30	164	362738	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	731879	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	961485	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	1015371	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	4832	1.59	ng/uL	0.00
5) Phenol-d5	6.86	99	79378	7.17	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.01	67	57416	9.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	73631	8.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	57752	6.73	ng/ul	0.02
19) Nitrobenzene-d5	8.83	128	35849	9.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	39031	8.91	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.11	165	67515	8.41	ng/ul	0.04
29) 4-Chloroaniline-d4	10.63	131	33433m	3.63	ng/ul	0.05
43) Dimethylphthalate-d6	13.72	166	250442	10.39	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	298997	10.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	9408m	2.65	ng/ul	0.08
57) Fluorene-d10	15.30	176	218887	10.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	20790	4.77	ng/ul	0.02
70) Anthracene-d10	17.15	188	339585	10.65	ng/ul	0.00
76) Pyrene-d10	19.46	212	420736	11.33	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	458384	10.75	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	6.90	94	17480	1.52	ng/ul	100
44) Dimethylphthalate	13.77	163	84326	3.57	ng/ul	99
47) Acenaphthylene	14.02	152	225511	7.78	ng/ul	99
69) Phenanthrene	17.10	178	83141	2.22	ng/ul	96
71) Anthracene	17.19	178	389358	10.23	ng/ul	98
74) Fluoranthene	19.12	202	578125	12.55	ng/ul	98
77) Pyrene	19.49	202	649720	13.76	ng/ul	99
80) Benzo(a)anthracene	21.24	228	1296008	26.08	ng/ul	96
82) Chrysene	21.29	228	1898988	39.73	ng/ul	97
85) Benzo(b)fluoranthene	22.82	252	3181870	58.06	ng/ul	98
86) Benzo(k)fluoranthene	22.86	252	1084149m	20.67	ng/ul	
88) Benzo(a)pyrene	23.39	252	1990852	37.70	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.72	276	1490219	23.24	ng/ul	97
90) Dibenzo(a,h)anthracene	25.71	278	481802	8.95	ng/ul#	84
91) Benzo(g,h,i)perylene	26.40	276	1340017	24.99	ng/ul	99

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

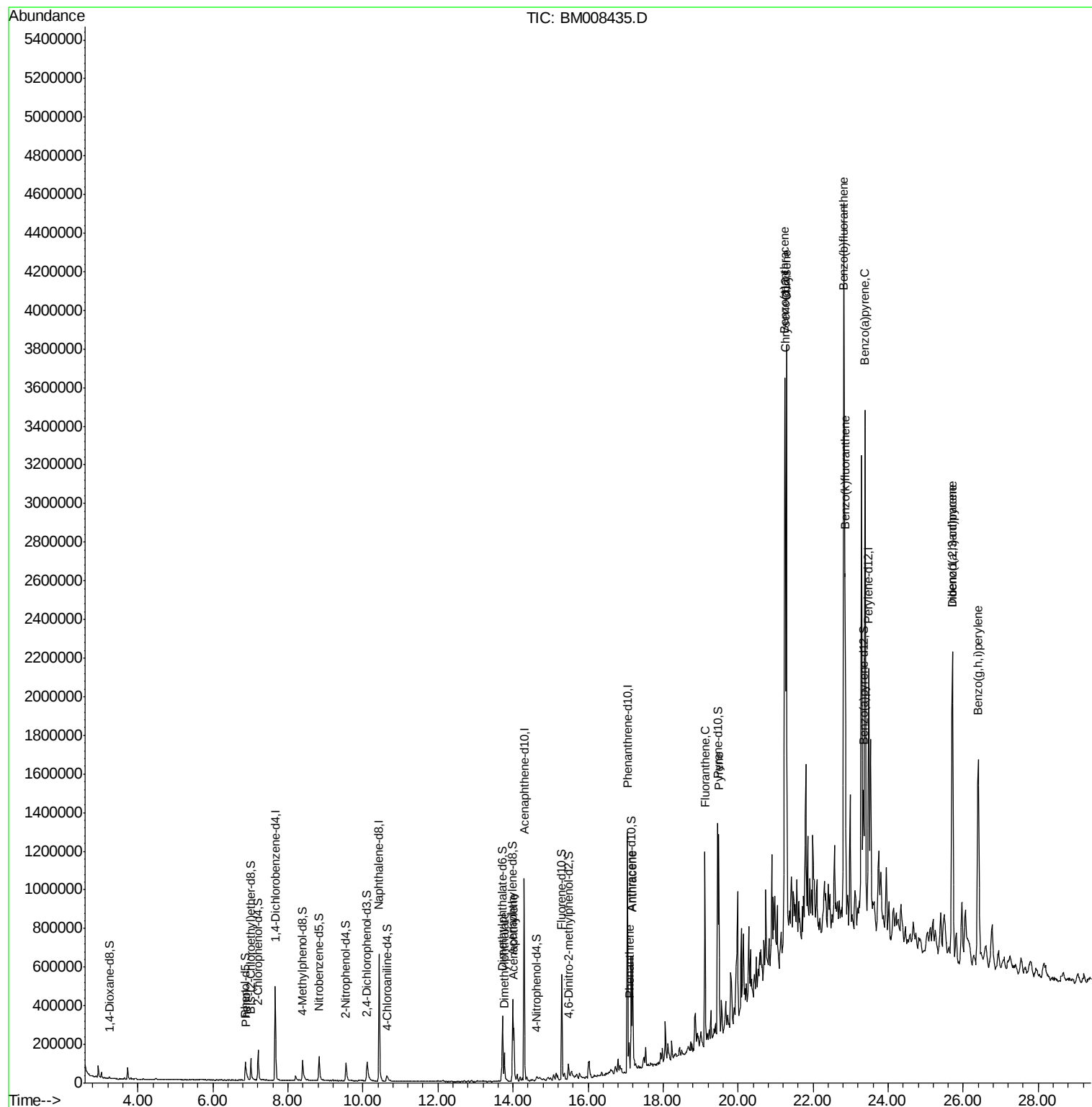
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008435.D
Acq On : 18 Dec 2016 13:22
Operator : UM/SJ
Sample : H6067-05DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

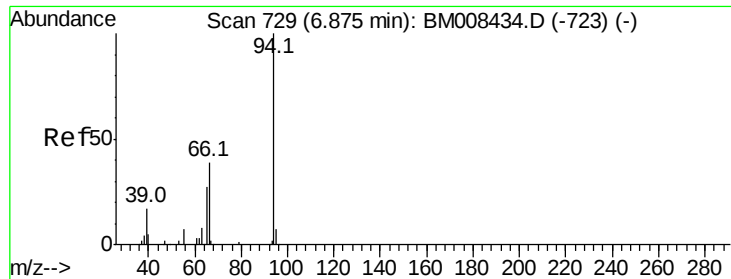
Instrument :
BNA_M
ClientSampleId :
DA7F6DL

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Quant Time: Dec 19 01:32:56 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM12
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 19 01:22:39 2016
Response via : Initial Calibration





#6

Phenol

Concen: 1.52 ng/ul

RT: 6.90 min Scan# 733

Delta R.T. 0.02 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

Instrument :

BNA_M

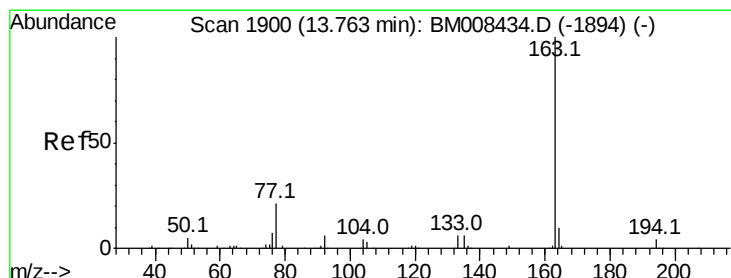
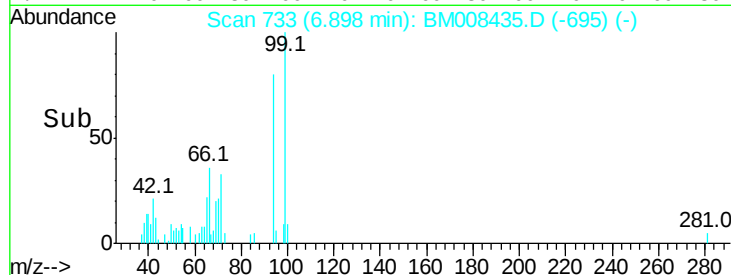
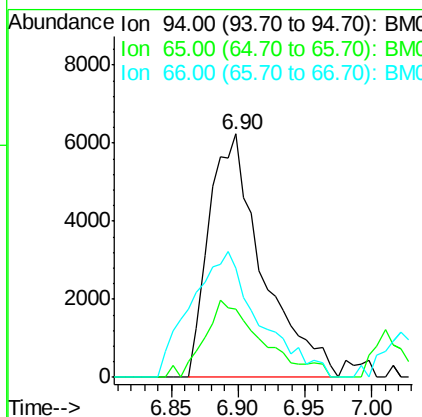
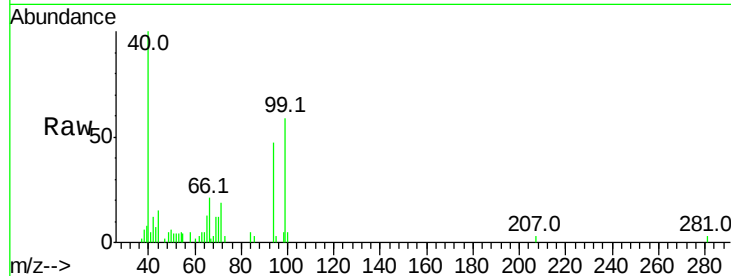
ClientSampleId :

DA7F6DL

Tot Ion:	94	Resp:	17480
Ion Ratio	Lower	Upper	
94	100		
65	28.0	22.6	34.0
66	45.1	35.8	53.8

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#44

Dimethylphthalate

Concen: 3.57 ng/ul

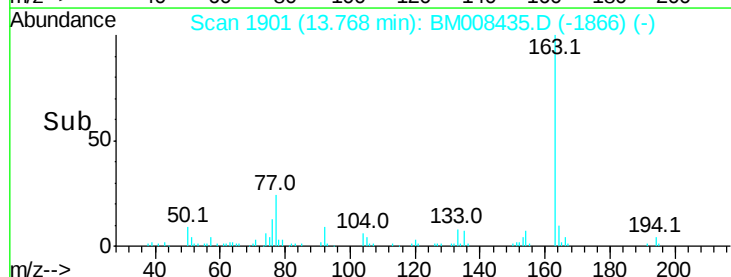
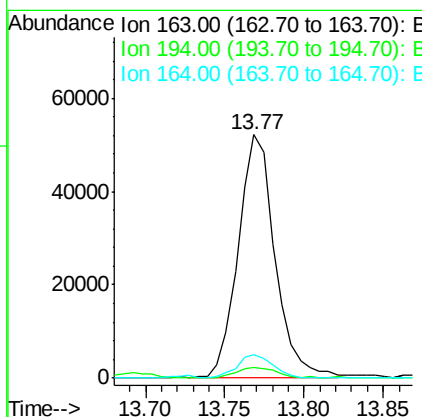
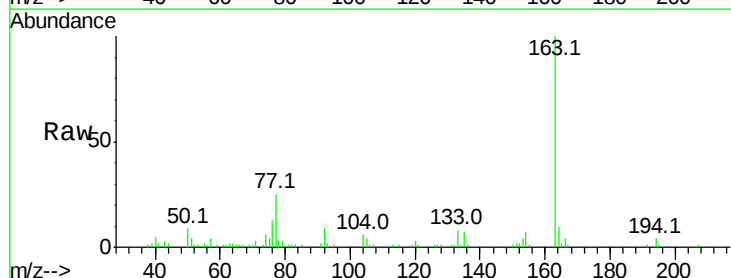
RT: 13.77 min Scan# 1901

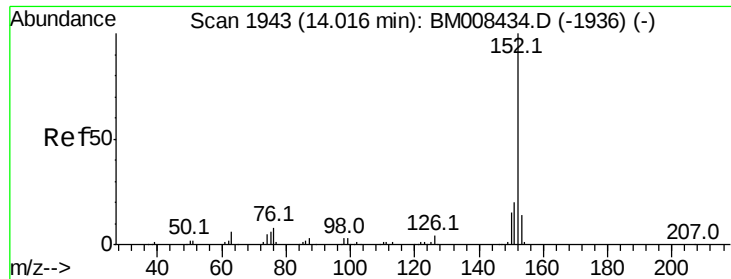
Delta R.T. 0.01 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

Tgt Ion:	163	Resp:	84326
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.5	5.3
164	9.5	7.8	11.8





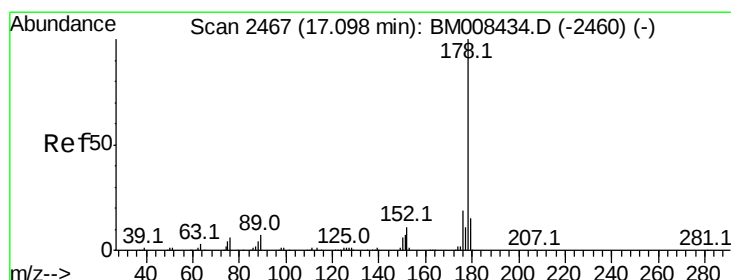
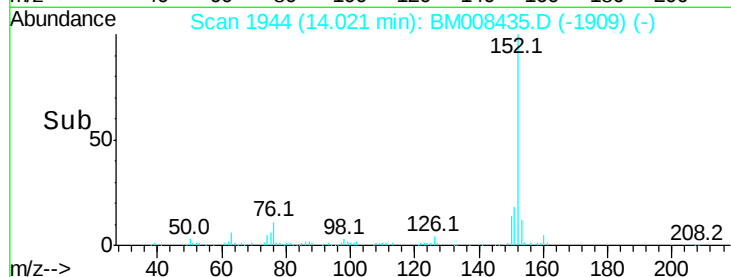
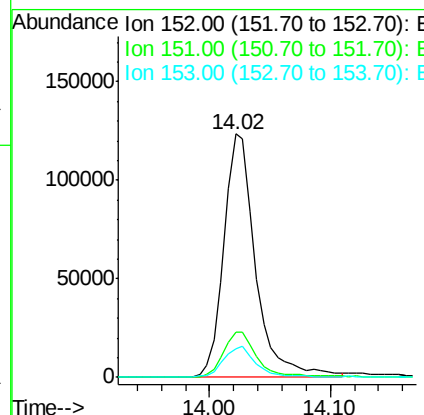
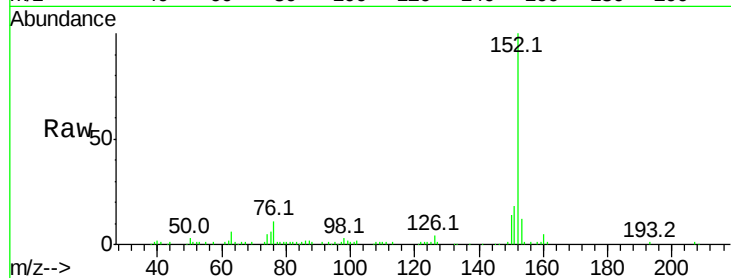
#47
Acenaphthylene
Concen: 7.78 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. 0.01 min
Lab File: BM008435.D
Acq: 18 Dec 2016 13:22

Instrument :
BNA_M
ClientSampleId :
DA7F6DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	225511		
151	18.3		15.3	22.9
153	12.0		9.9	14.9

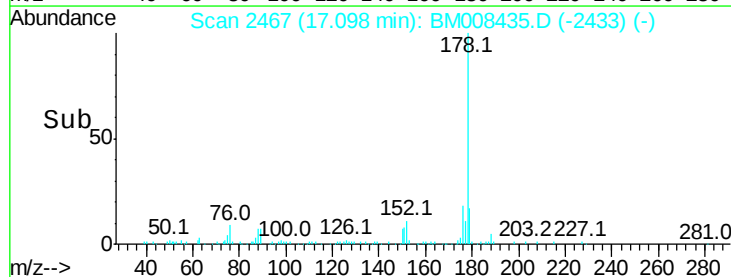
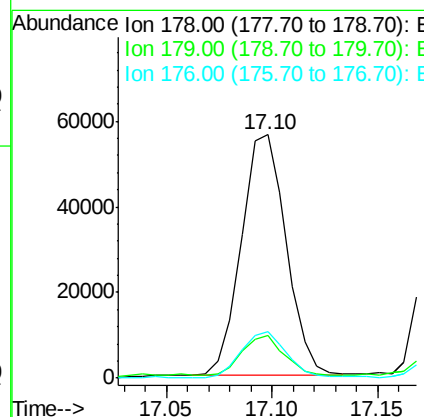
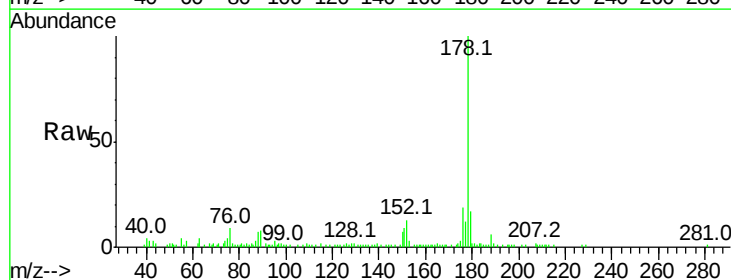
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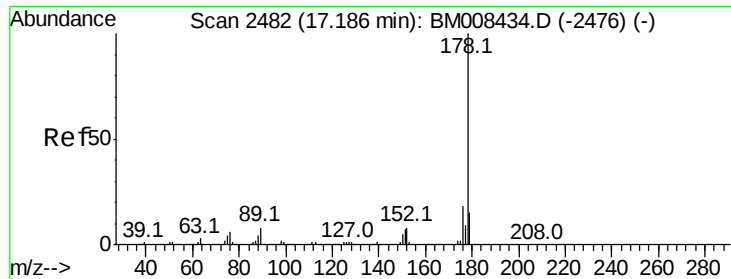
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#69
Phenanthrene
Concen: 2.22 ng/ul
RT: 17.10 min Scan# 2467
Delta R.T. -0.00 min
Lab File: BM008435.D
Acq: 18 Dec 2016 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	83141		
179	17.5		12.0	18.0
176	19.1		14.6	21.8





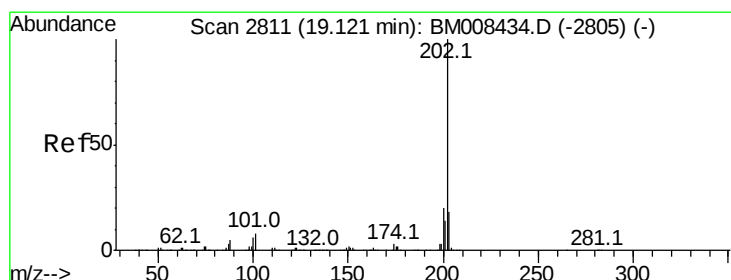
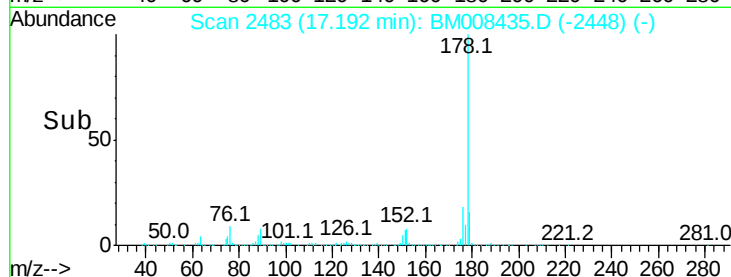
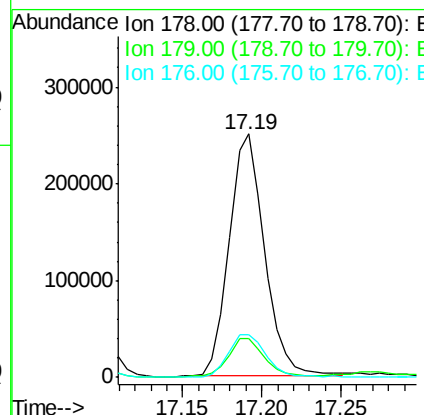
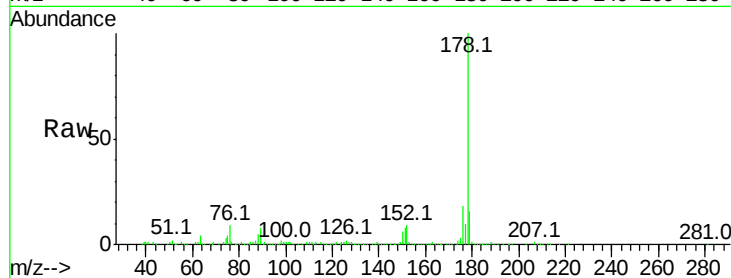
#71
 Anthracene
 Concen: 10.23 ng/ul
 RT: 17.19 min Scan# 2483
 Delta R.T. 0.01 min
 Lab File: BM008435.D
 Acq: 18 Dec 2016 13:22

Instrument :
 BNA_M
 ClientSampleId :
 DA7F6DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.1	18.1
176	17.7	14.3	21.5

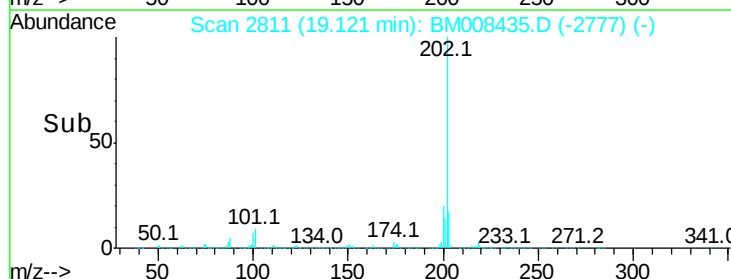
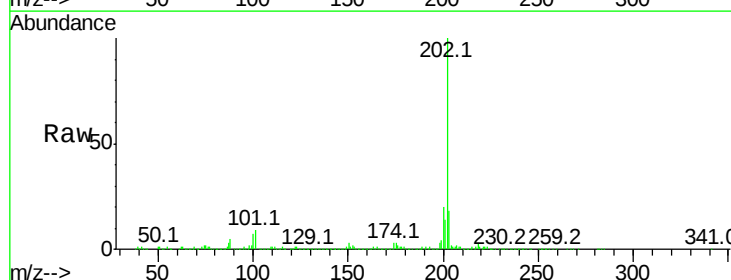
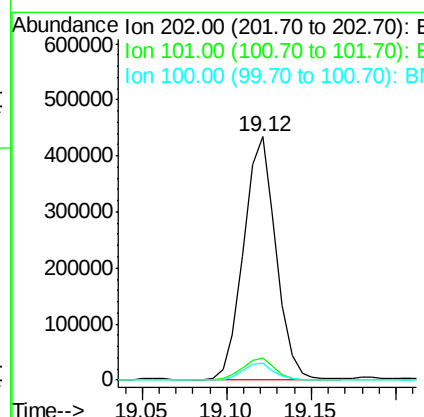
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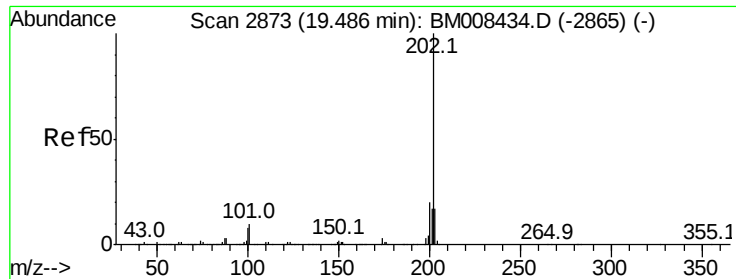
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#74
 Fluoranthene
 Concen: 12.55 ng/ul
 RT: 19.12 min Scan# 2811
 Delta R.T. -0.00 min
 Lab File: BM008435.D
 Acq: 18 Dec 2016 13:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	6.6	10.0
100	6.8	5.3	7.9





#77

Pvrene

Concen: 13.76 ng/ul

RT: 19.49 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

Instrument :

BNA_M

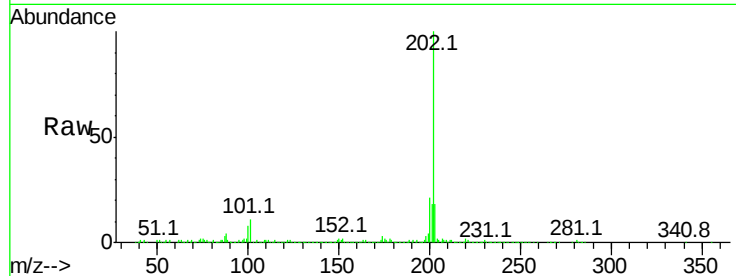
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DA7F6DL

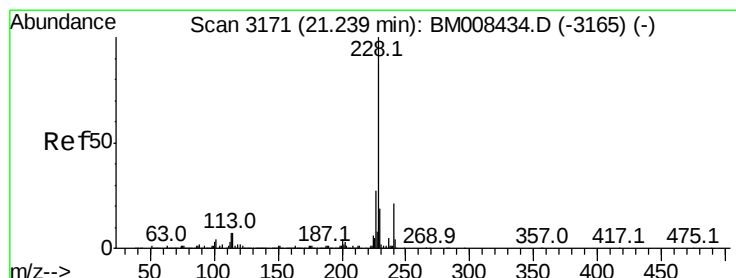
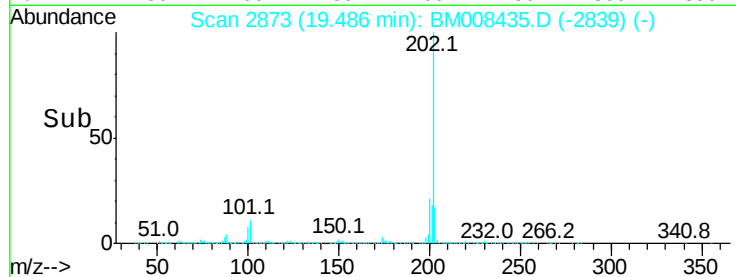
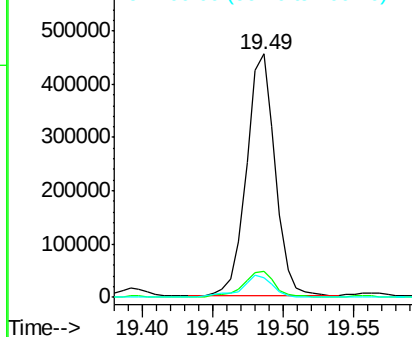
Tot Ion:	202	Resp:	649720
Ion Ratio	Lower	Upper	
202	100		
101	10.6	8.2	12.4
100	8.2	7.0	10.6

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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): E



#80

Benzo(a)anthracene

Concen: 26.08 ng/ul

RT: 21.24 min Scan# 3171

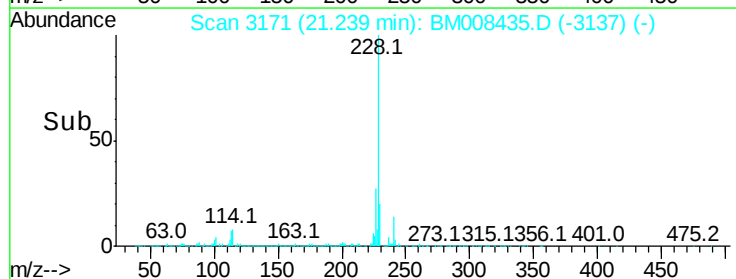
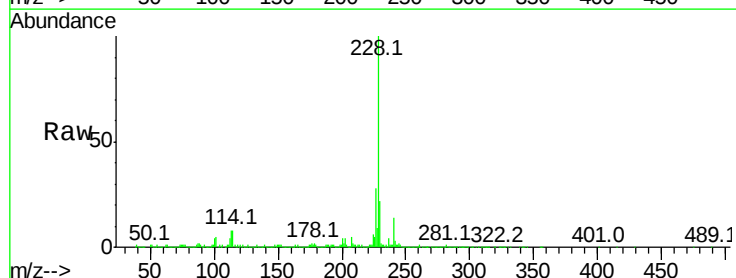
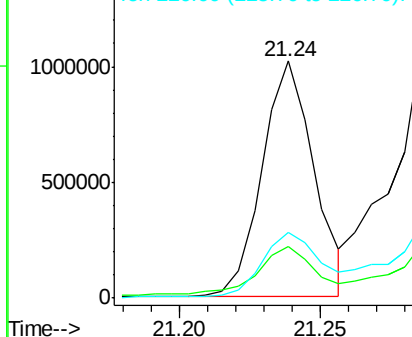
Delta R.T. -0.00 min

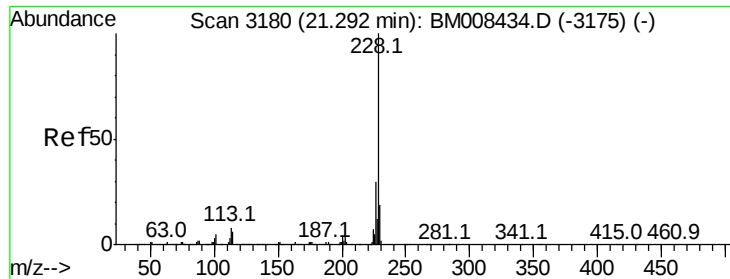
Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

Tgt Ion:	228	Resp:	1296008
Ion Ratio	Lower	Upper	
228	100		
229	21.6	15.4	23.2
226	27.9	21.2	31.8

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





#82

Chrysene

Concen: 39.73 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. -0.00 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

Instrument :

BNA_M

ClientSampleId :

DA7F6DL

Tot Ion:228 Resp: 1898988

Ion Ratio Lower Upper

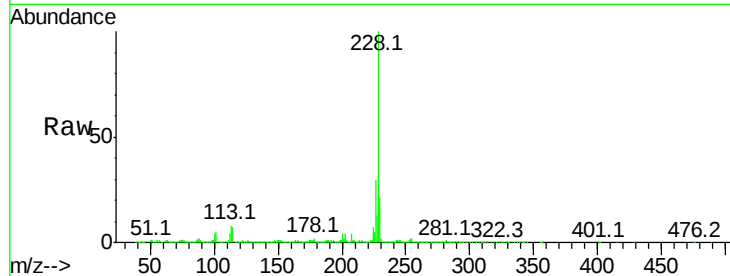
228 100

226 30.4 23.1 34.7

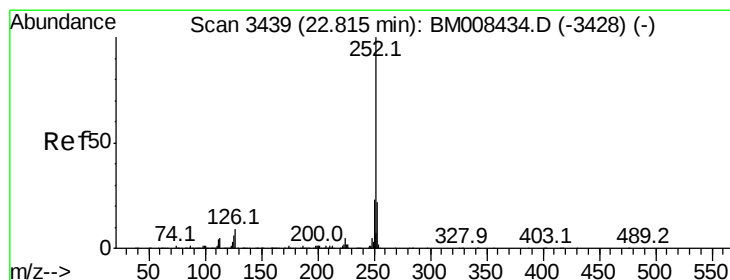
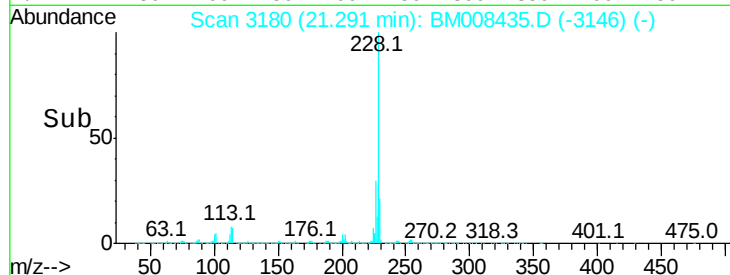
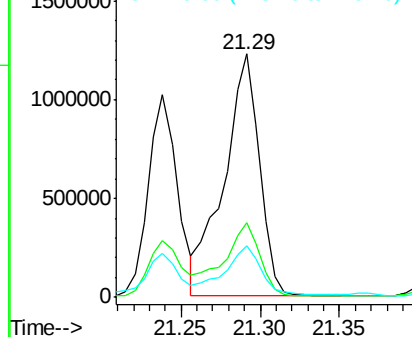
229 21.1 15.4 23.2

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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: 58.06 ng/ul

RT: 22.82 min Scan# 3440

Delta R.T. 0.01 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

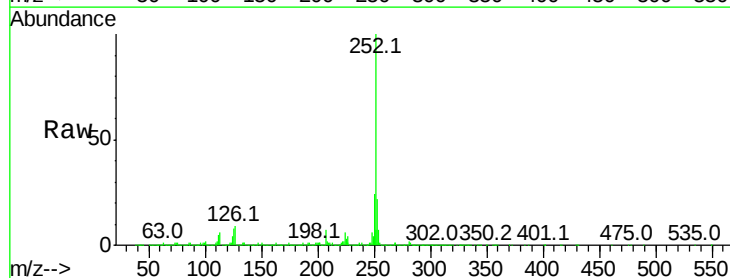
Tgt Ion:252 Resp: 3181870

Ion Ratio Lower Upper

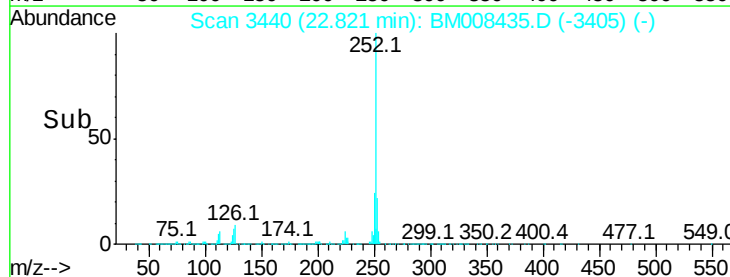
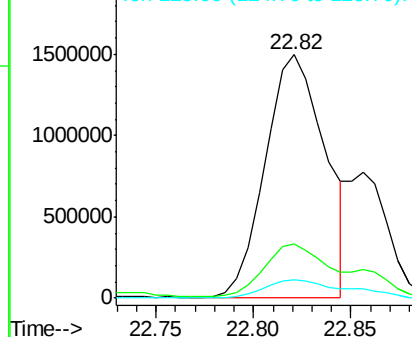
252 100

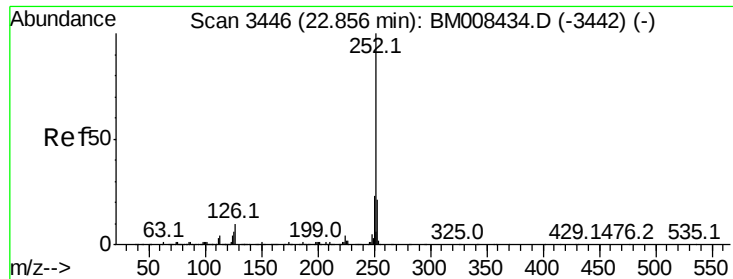
253 22.1 17.1 25.7

125 7.6 5.4 8.2



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





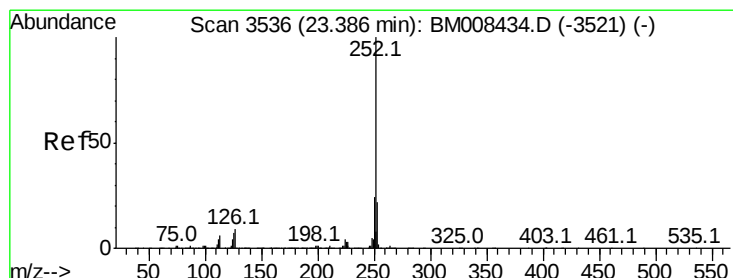
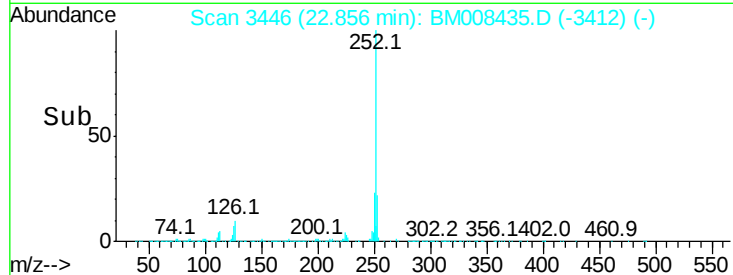
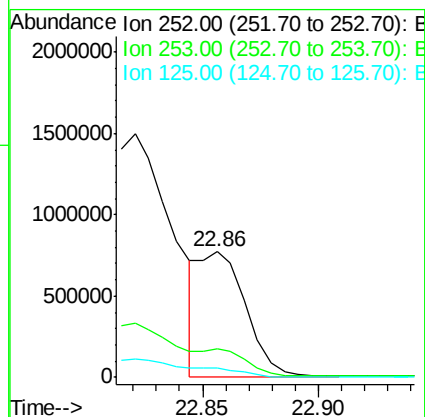
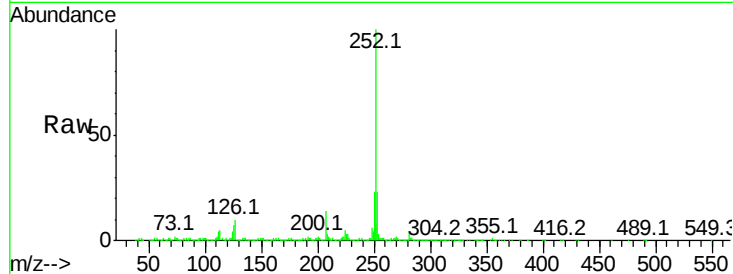
#86
Benzo(k)fluoranthene
Concen: 20.67 ng/ul m
RT: 22.86 min Scan# 3446
Delta R.T. -0.00 min
Lab File: BM008435.D
Acq: 18 Dec 2016 13:22

Instrument :
BNA_M
ClientSampleId :
DA7F6DL

Tot Ion:252 Resp: 1084149
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 7.5 5.8 8.6

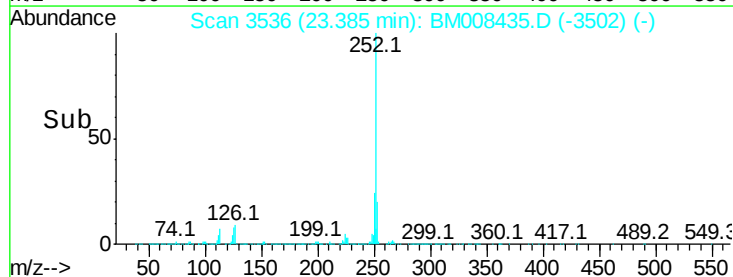
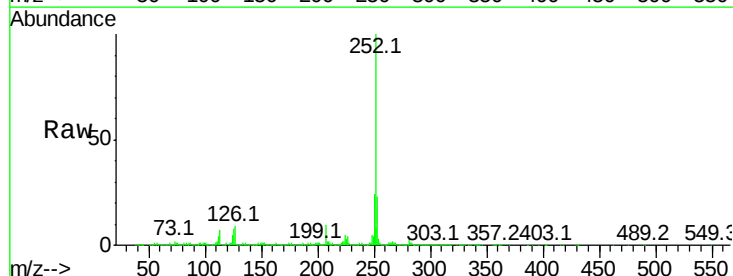
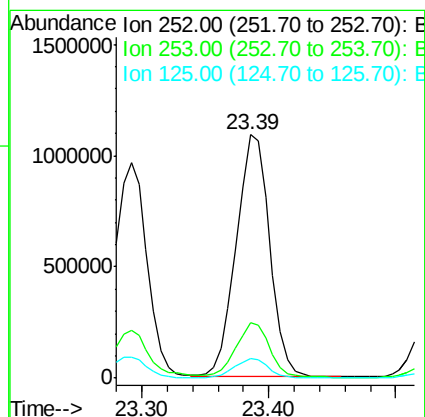
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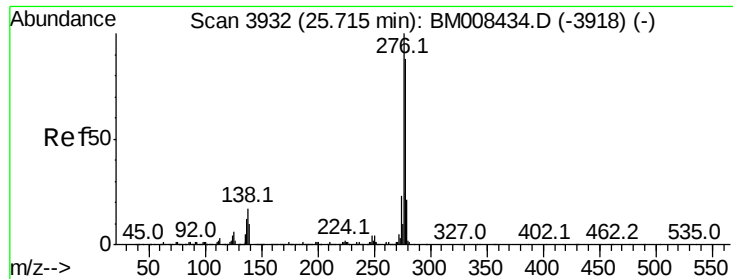
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#88
Benzo(a)pyrene
Concen: 37.70 ng/ul
RT: 23.39 min Scan# 3536
Delta R.T. -0.00 min
Lab File: BM008435.D
Acq: 18 Dec 2016 13:22

Tgt Ion:252 Resp: 1990852
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 8.1 6.6 9.8





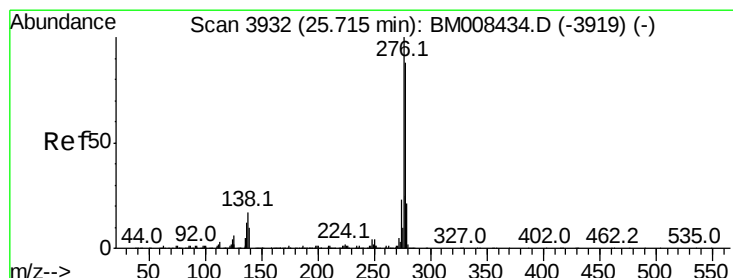
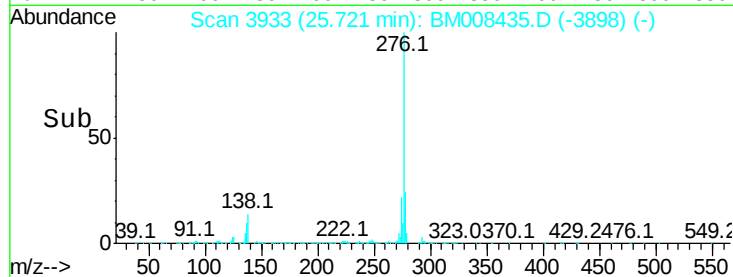
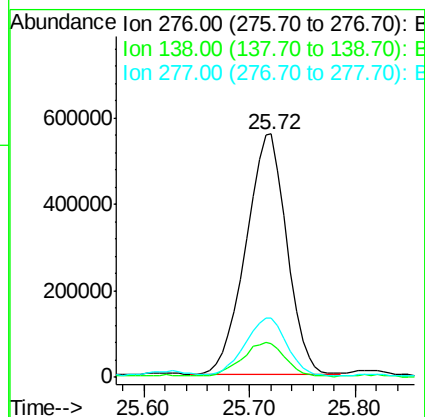
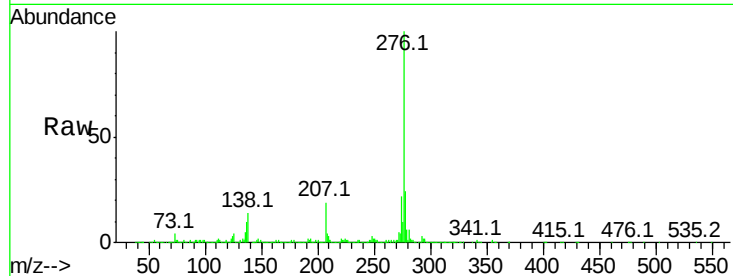
#89
Indeno(1,2,3-cd)pyrene
Concen: 23.24 ng/ul
RT: 25.72 min Scan# 3933
Delta R.T. 0.01 min
Lab File: BM008435.D
Acq: 18 Dec 2016 13:22

Instrument :
BNA_M
ClientSampleId :
DA7F6DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.0	13.4	20.2
277	24.3	19.7	29.5

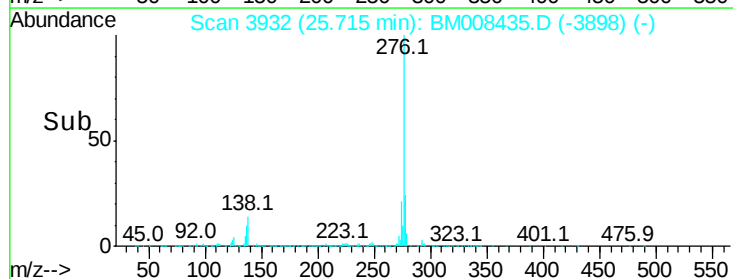
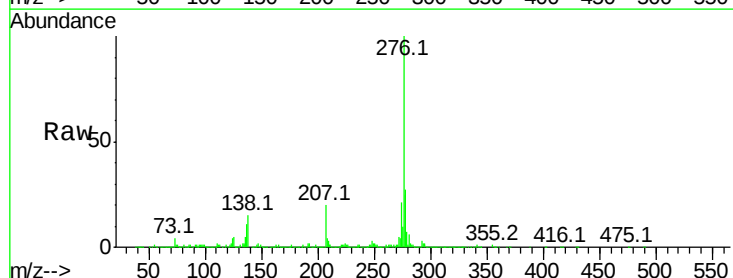
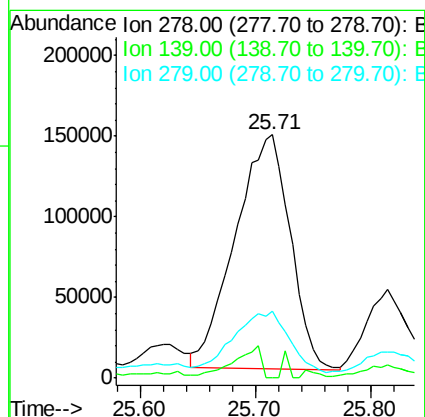
Manual Integrations
APPROVED

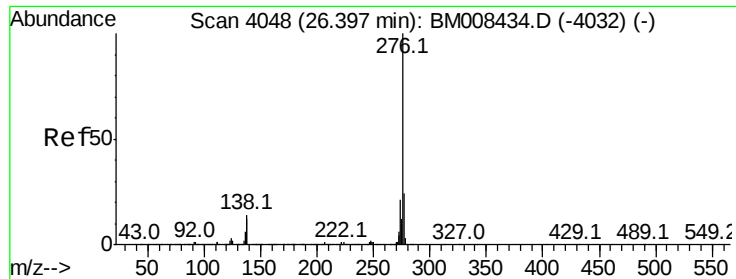
umangi
12/20/2016 10:53:17 AM



#90
Dibenzo(a,h)anthracene
Concen: 8.95 ng/ul
RT: 25.71 min Scan# 3932
Delta R.T. -0.00 min
Lab File: BM008435.D
Acq: 18 Dec 2016 13:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.4	14.0#
279	27.3	18.6	28.0





#91

Benzo(a,h,i)perylene

Concen: 24.99 ng/ul

RT: 26.40 min Scan# 4049

Delta R.T. 0.01 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

Instrument :

BNA_M

ClientSampleId :

DA7F6DL

Tot Ion:	276	Resp:	1340017
Ion Ratio	Lower	Upper	
276	100		
138	14.6	12.0	18.0
277	24.0	19.4	29.0

Manual Integrations
APPROVED

umangi
12/20/2016 10:53:17 AM

