

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121917\
 Data File : BM013511.D
 Acq On : 19 Dec 2017 14:00
 Operator : SJ/JU
 Sample : I6775-15ME 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A50ME

Manual Integrations
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Sohil
 12/20/2017 3:49:31 PM

Quant Time: Dec 20 10:05:09 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 20 03:10:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	159197	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	717402	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	414300	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	913624	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	918821	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	793173	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	2991	0.93	ng/uL	0.00
5) Phenol-d5	6.85	99	64315	4.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	38499	4.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	48797	4.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	52833	4.49	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	27074	4.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	25243	4.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	50291	4.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	59996	5.20	ng/ul	0.01
43) Dimethylphthalate-d6	13.73	166	170779	4.63	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	216883	4.77	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	14470m	2.26	ng/ul	0.02
57) Fluorene-d10	15.31	176	149767	4.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	12339	2.15	ng/ul	0.00
70) Anthracene-d10	17.16	188	234199	5.12	ng/ul	0.00
76) Pyrene-d10	19.46	212	250132	5.46	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	197481	4.89	ng/ul	0.00

Target Compounds

					Ovalue	
47) Acenaphthylene	14.04	152	124342	2.953	ng/ul	97
49) Acenaphthene	14.38	153	37198	1.297	ng/ul	96
68) Pentachlorophenol	16.72	266	14818	2.163	ng/ul	94
69) Phenanthrene	17.11	178	277274	5.342	ng/ul	99
71) Anthracene	17.20	178	265568	5.006	ng/ul	97
74) Fluoranthene	19.13	202	605363m	9.517	ng/ul	
77) Pyrene	19.49	202	730835	13.092	ng/ul#	92
80) Benzo(a)anthracene	21.24	228	476440	8.173	ng/ul	99
82) Chrysene	21.30	228	469421	8.679	ng/ul	99
85) Benzo(b)fluoranthene	22.82	252	1467717	27.450	ng/ul#	98
86) Benzo(k)fluoranthene	22.86	252	375957m	7.472	ng/ul	
88) Benzo(a)pyrene	23.39	252	640586	13.337	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.71	276	372006	7.806	ng/ul#	93
90) Dibenzo(a,h)anthracene	25.71	278	89664	2.210	ng/ul#	88
91) Benzo(g,h,i)perylene	26.40	276	267101	7.105	ng/ul#	93

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

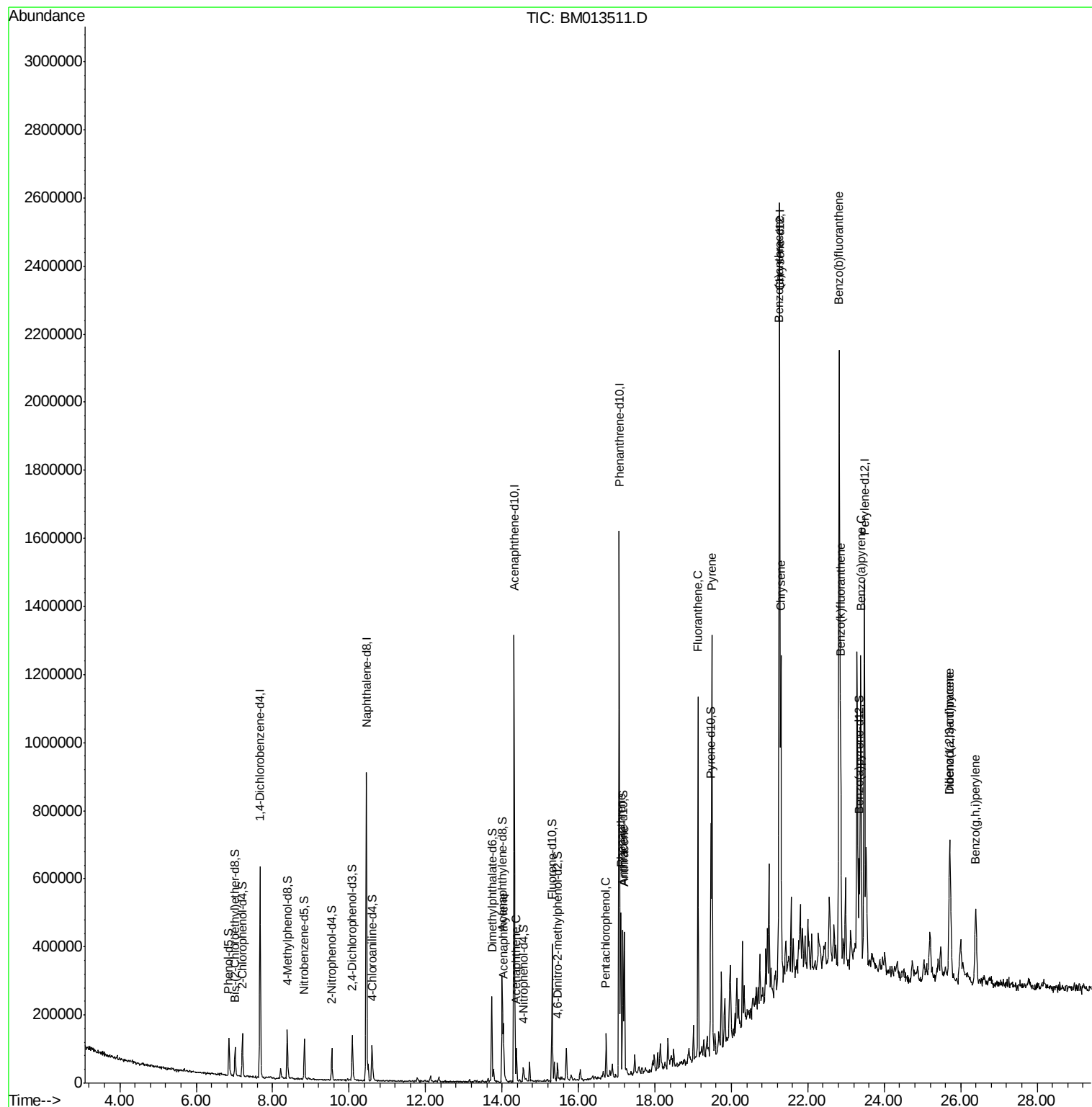
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013511.D
Acq On : 19 Dec 2017 14:00
Operator : SJ/JU
Sample : I6775-15ME 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

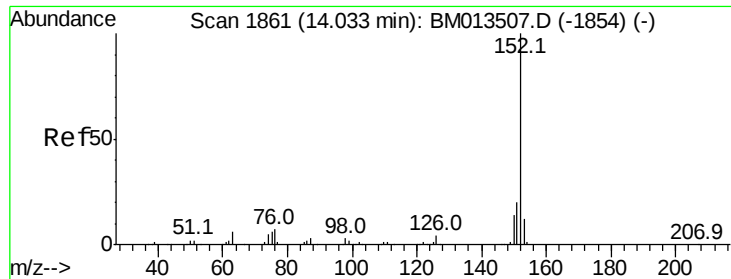
Instrument :
BNA_M
ClientSampleId :
F9A50ME

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Quant Time: Dec 20 10:05:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 20 03:10:37 2017
Response via : Initial Calibration





#47

Acenaphthylene

Concen: 2.953 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. 0.01 min

Lab File: BM013511.D

Acq: 19 Dec 2017 14:00

Instrument :

BNA_M

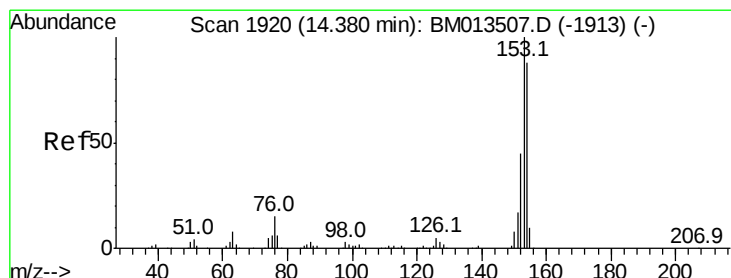
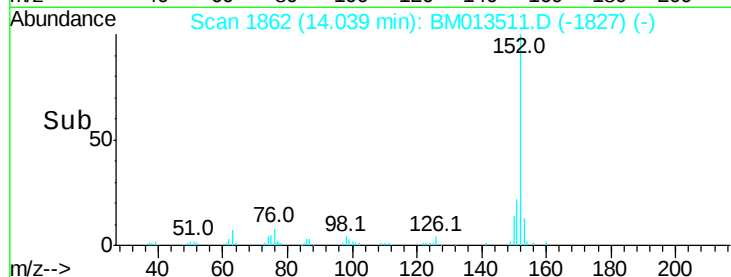
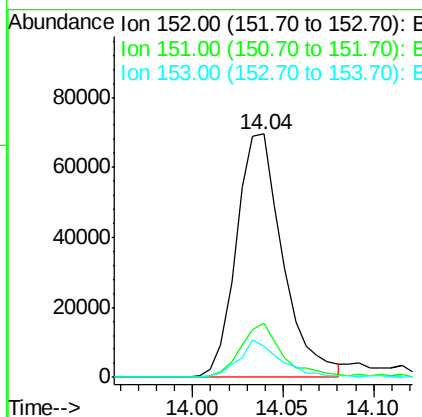
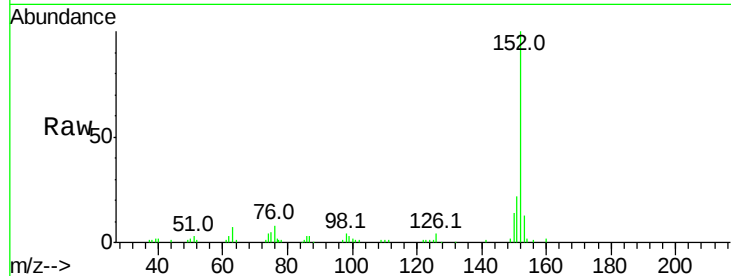
ClientSampleId :

F9A50ME

Tot Ion:	152	Resp:	124342
Ion Ratio	Lower	Upper	
152	100		
151	22.3	16.3	24.5
153	12.6	10.2	15.4

Manual Integrations
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#49

Acenaphthene

Concen: 1.297 ng/ul

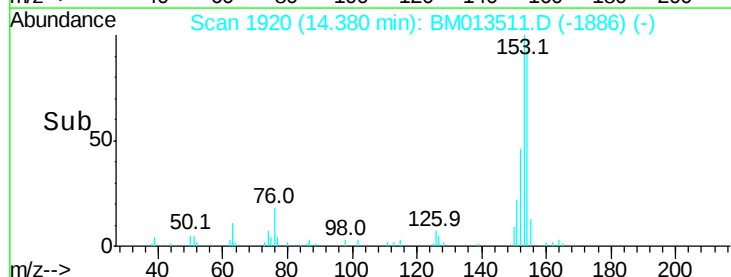
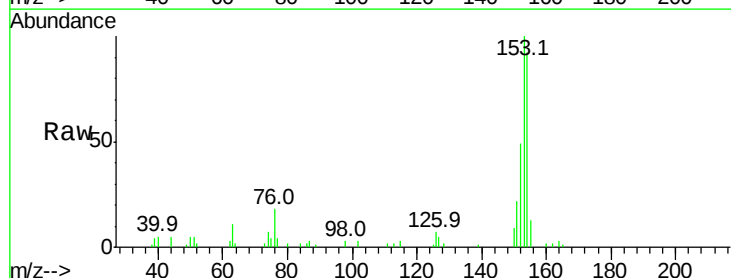
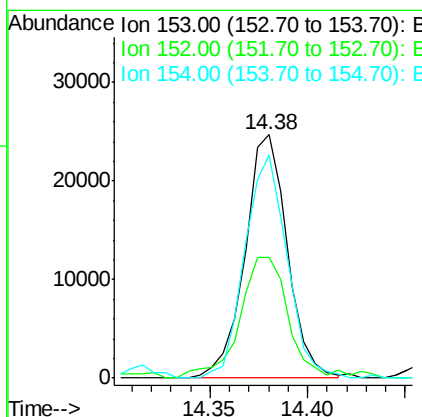
RT: 14.38 min Scan# 1920

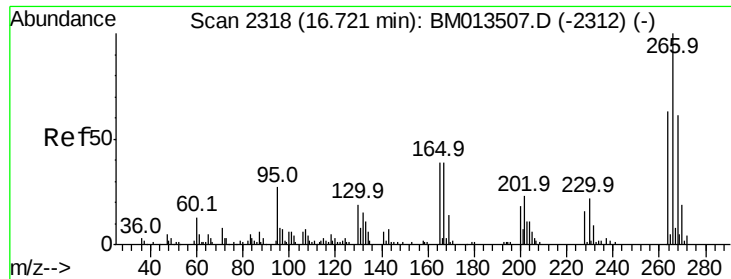
Delta R.T. -0.00 min

Lab File: BM013511.D

Acq: 19 Dec 2017 14:00

Tgt Ion:	153	Resp:	37198
Ion Ratio	Lower	Upper	
153	100		
152	49.5	37.6	56.4
154	91.5	70.4	105.6





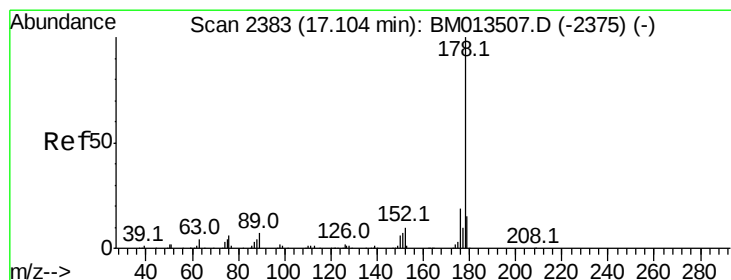
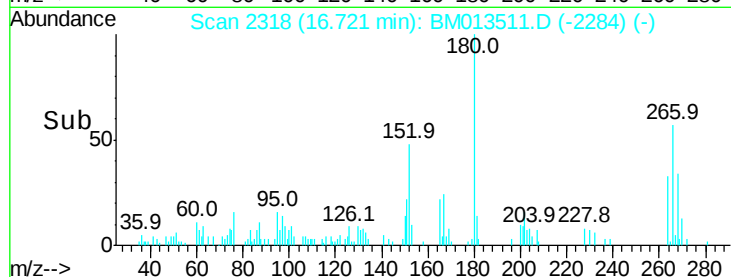
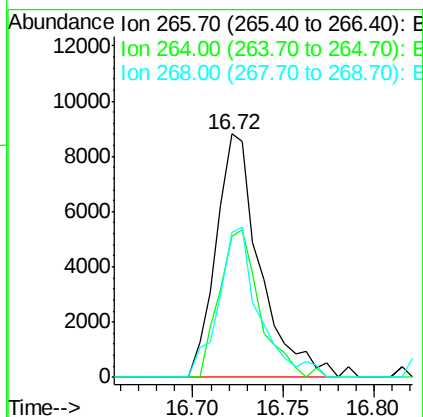
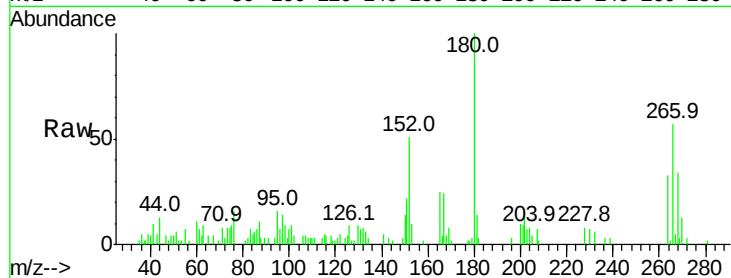
#68
 Pentachlorophenol
 Concen: 2.163 ng/ul
 RT: 16.72 min Scan# 2318
 Delta R.T. -0.00 min
 Lab File: BM013511.D
 Acq: 19 Dec 2017 14:00

Instrument :
 BNA_M
 ClientSampleId :
 F9A50ME

Tot Ion	Ratio	Lower	Upper
266	100		
264	58.3	49.3	73.9
268	59.8	52.6	78.8

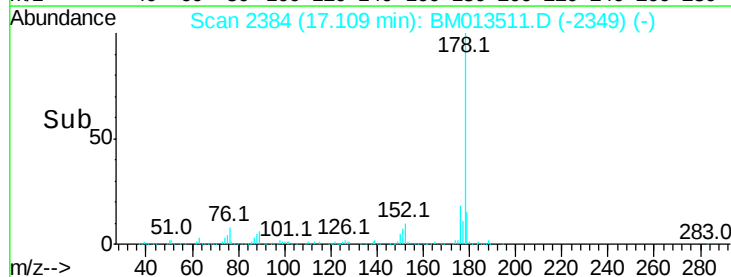
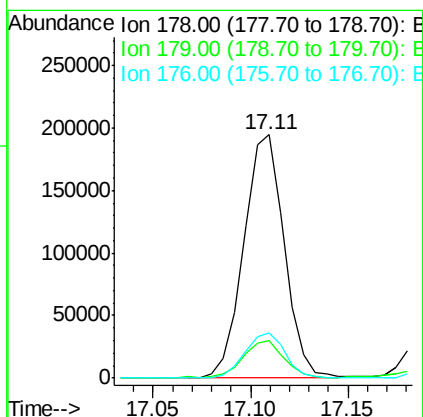
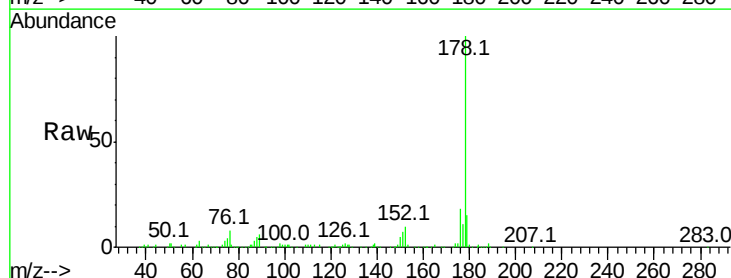
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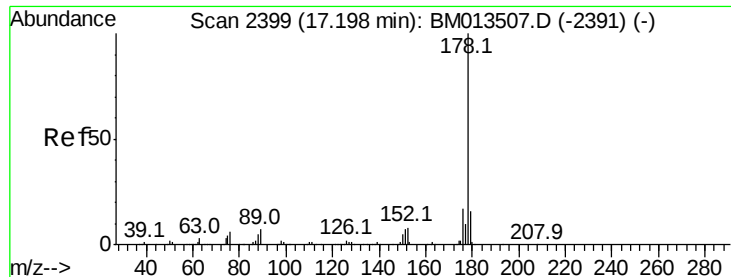
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#69
 Phenanthrene
 Concen: 5.342 ng/ul
 RT: 17.11 min Scan# 2384
 Delta R.T. 0.01 min
 Lab File: BM013511.D
 Acq: 19 Dec 2017 14:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	18.4	14.9	22.3





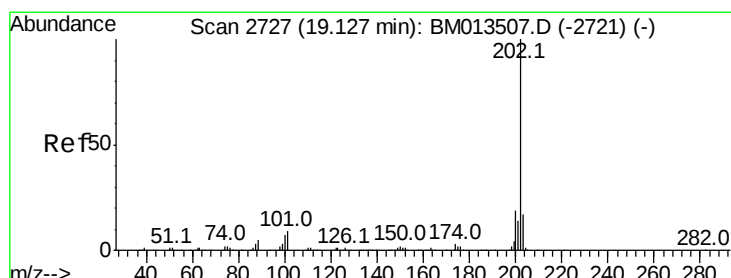
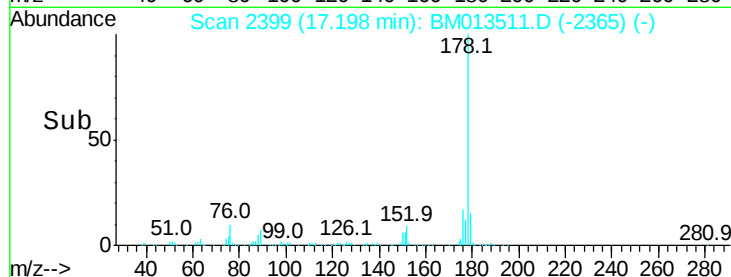
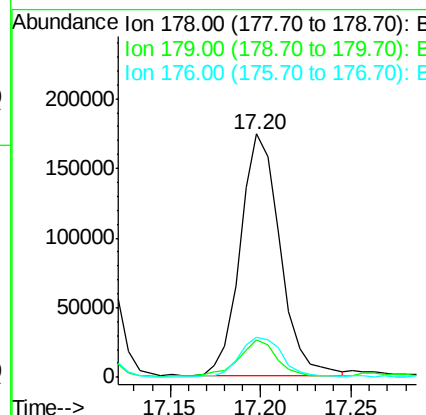
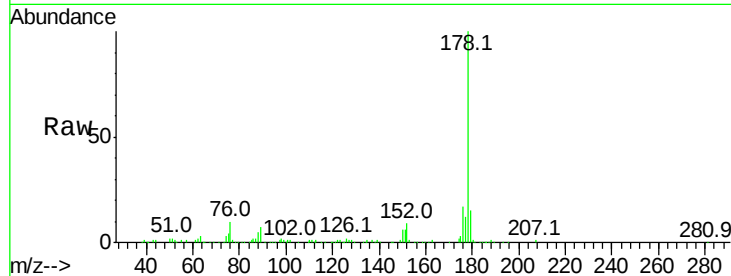
#71
 Anthracene
 Concen: 5.006 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. -0.00 min
 Lab File: BM013511.D
 Acq: 19 Dec 2017 14:00

Instrument :
 BNA_M
 ClientSampleId :
 F9A50ME

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.7	17.5
176	16.6	14.6	21.8

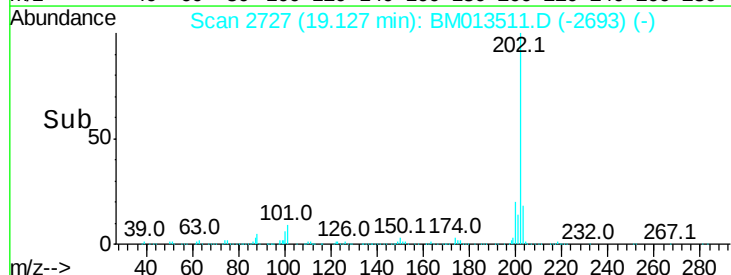
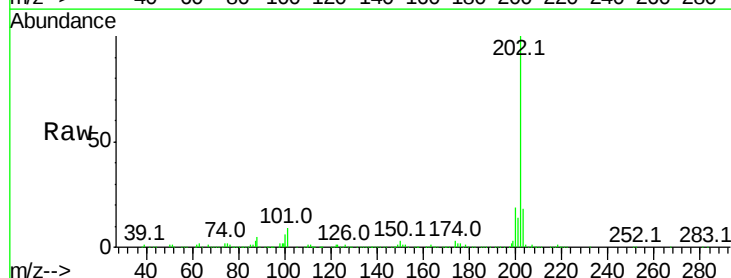
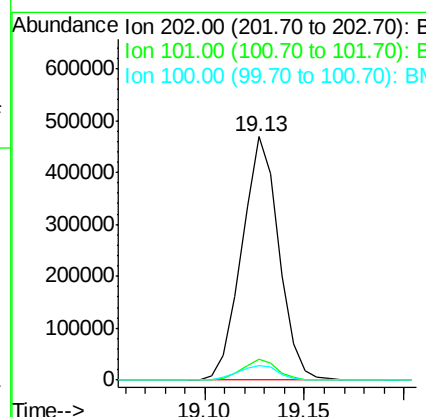
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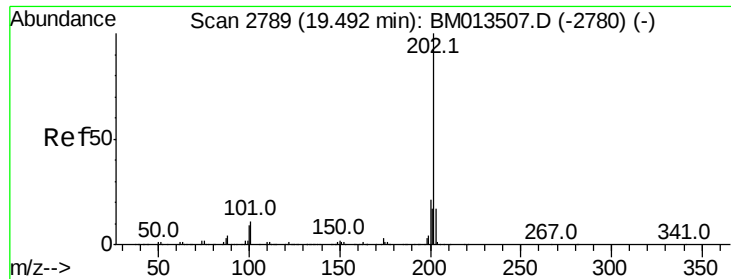
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 12/20/2017 3:49:31 PM



#74
 Fluoranthene
 Concen: 9.517 ng/ul m
 RT: 19.13 min Scan# 2727
 Delta R.T. -0.00 min
 Lab File: BM013511.D
 Acq: 19 Dec 2017 14:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	4.6	7.0#
100	5.9	3.4	5.2#





#77

Pvrene

Concen: 13.092 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013511.D

Acq: 19 Dec 2017 14:00

Instrument :

BNA_M

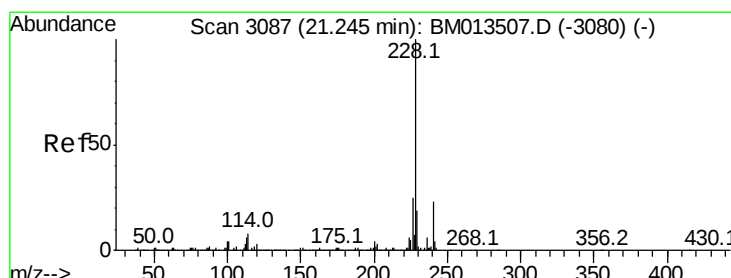
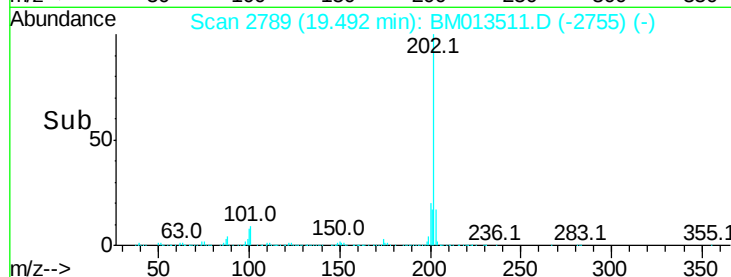
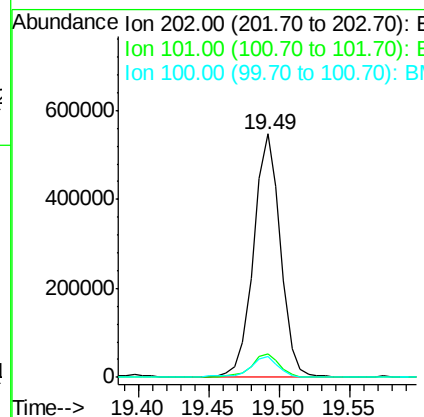
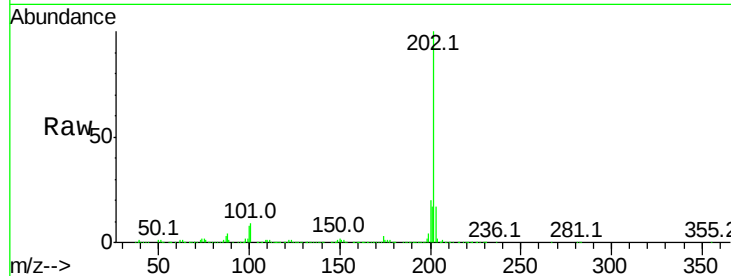
ClientSampleId :

F9A50ME

Tot Ion:	202	Resp:	730835
Ion Ratio	Lower	Upper	
202	100		
101	9.5	5.1	7.7#
100	8.5	4.9	7.3#

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#80

Benzo(a)anthracene

Concen: 8.173 ng/ul

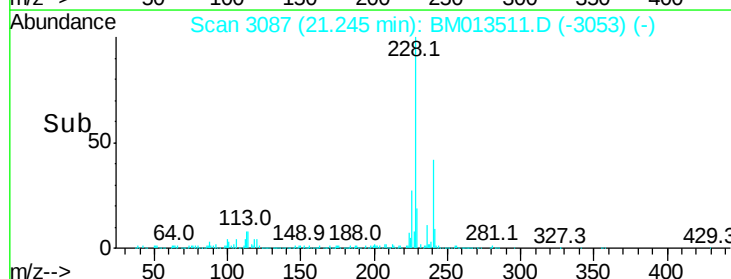
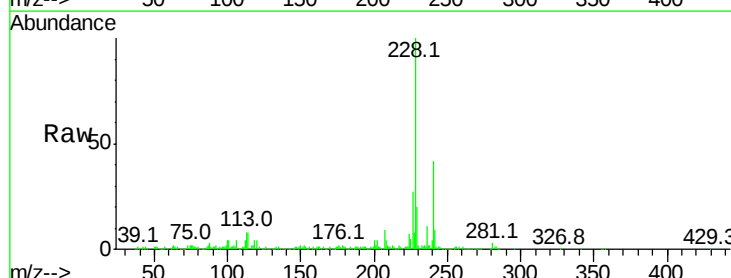
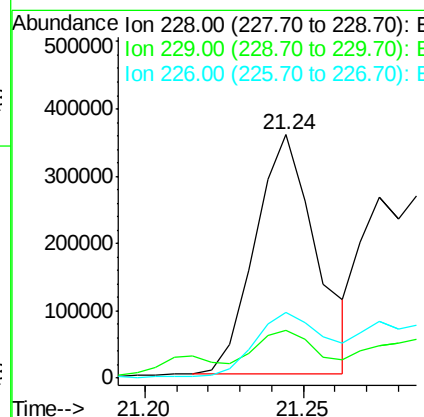
RT: 21.24 min Scan# 3087

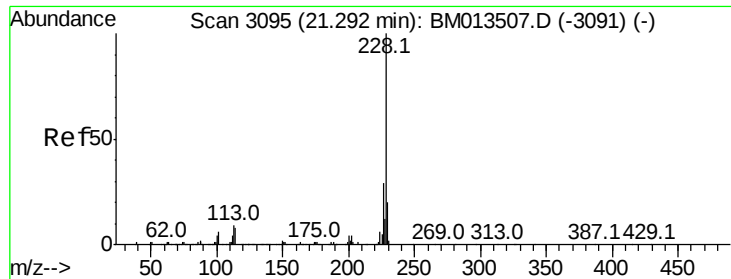
Delta R.T. -0.00 min

Lab File: BM013511.D

Acq: 19 Dec 2017 14:00

Tgt Ion:	228	Resp:	476440
Ion Ratio	Lower	Upper	
228	100		
229	19.7	15.4	23.0
226	27.0	21.4	32.0





#82

Chrysene

Concen: 8.679 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM013511.D

Acq: 19 Dec 2017 14:00

Instrument :

BNA_M

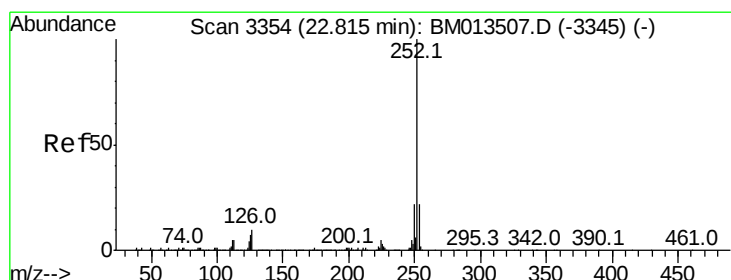
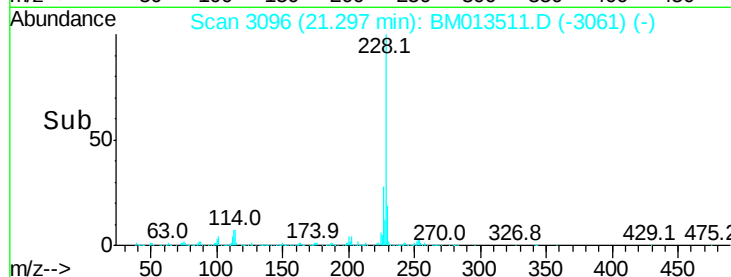
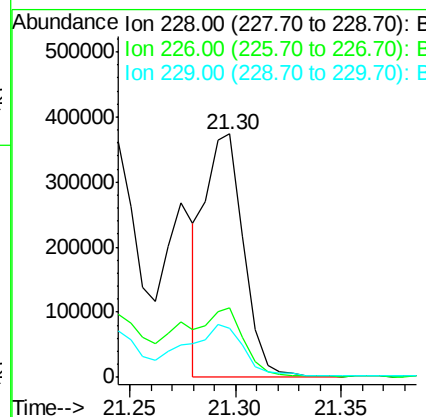
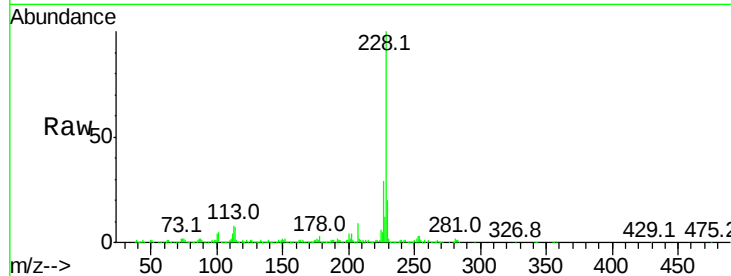
ClientSampled :

F9A50ME

Tot Ion:	228	Resp:	469421
Ion Ratio	Lower	Upper	
228	100		
226	28.5	23.4	35.2
229	20.0	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 27.450 ng/ul

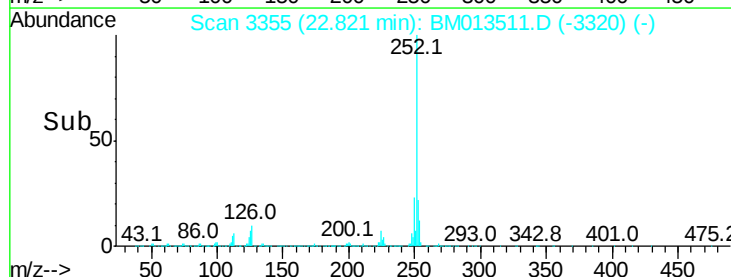
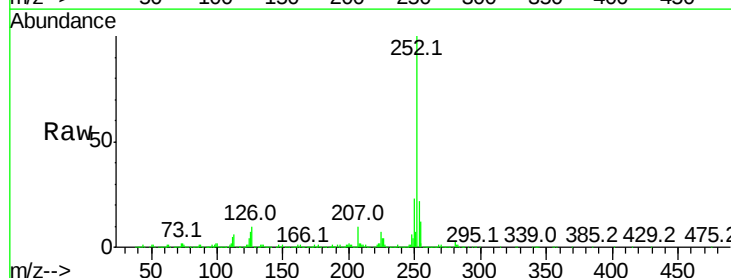
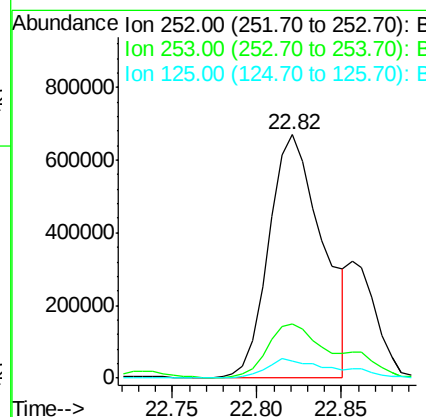
RT: 22.82 min Scan# 3355

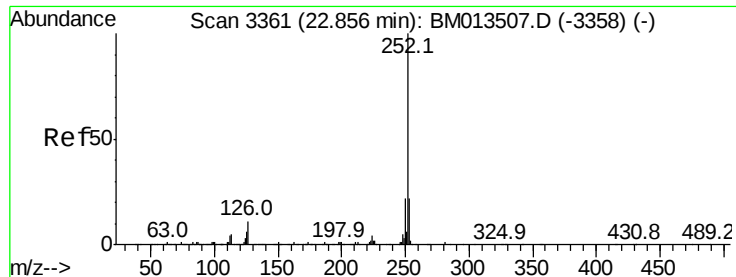
Delta R.T. 0.01 min

Lab File: BM013511.D

Acq: 19 Dec 2017 14:00

Tgt Ion:	252	Resp:	1467717
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.9	26.9
125	7.2	3.6	5.4#





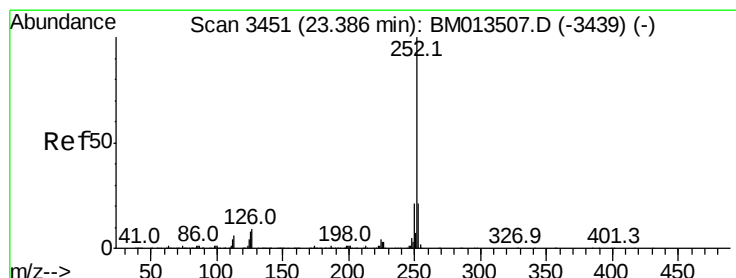
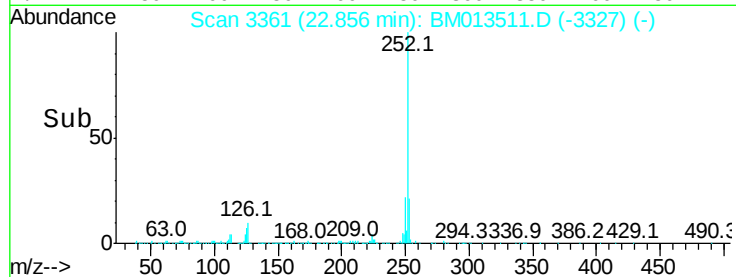
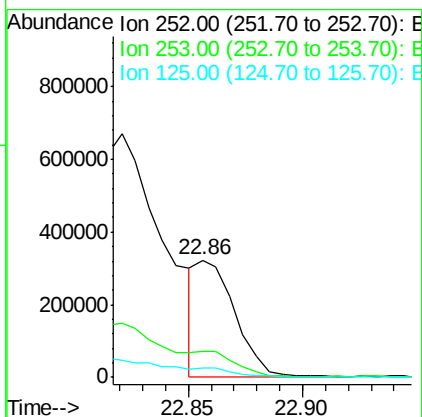
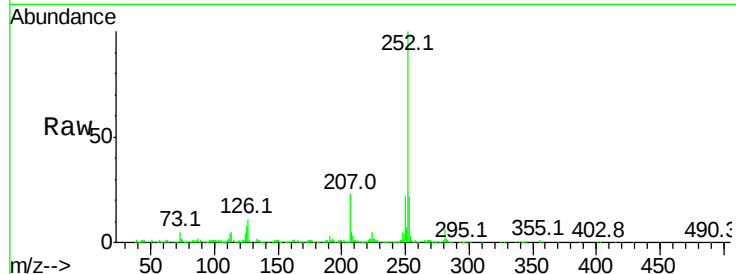
#86
Benzo(k)fluoranthene
Concen: 7.472 ng/ul m
RT: 22.86 min Scan# 3361
Delta R.T. -0.00 min
Lab File: BM013511.D
Acq: 19 Dec 2017 14:00

Instrument :
BNA_M
ClientSampled :
F9A50ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	7.6	3.4	5.2#

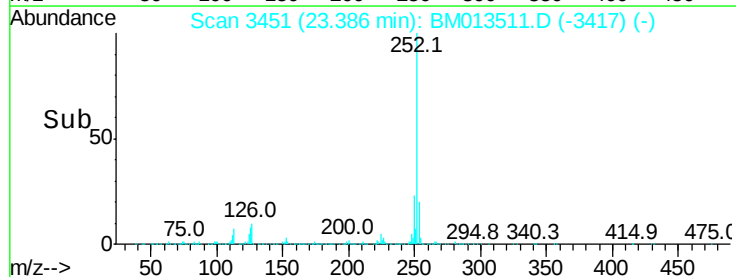
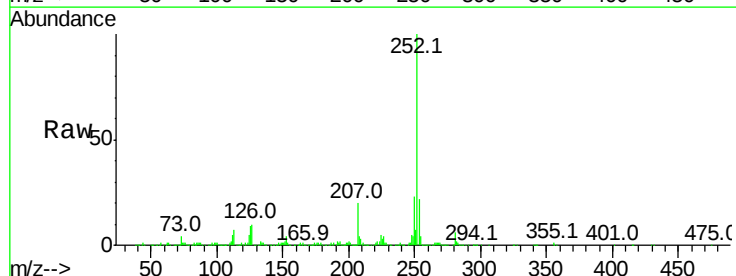
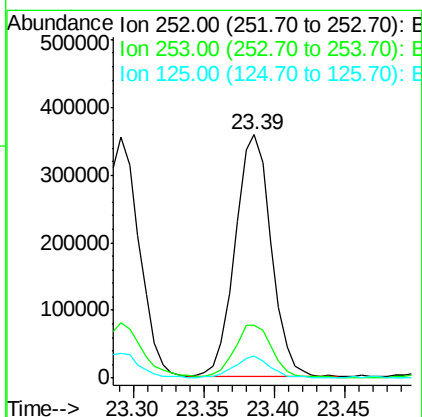
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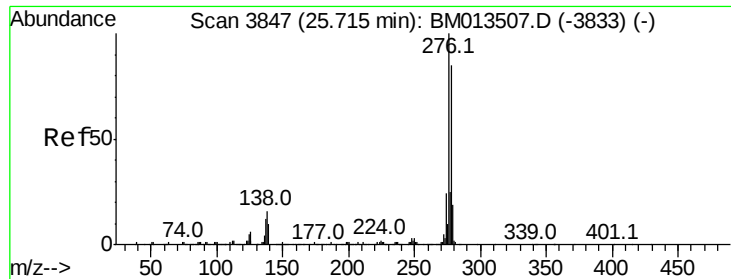
Sohil
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#88
Benzo(a)pyrene
Concen: 13.337 ng/ul
RT: 23.39 min Scan# 3451
Delta R.T. -0.00 min
Lab File: BM013511.D
Acq: 19 Dec 2017 14:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.2
125	8.9	4.0	6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 7.806 ng/ul

RT: 25.71 min Scan# 3846

Delta R.T. -0.01 min

Lab File: BM013511.D

Acq: 19 Dec 2017 14:00

Instrument :

BNA_M

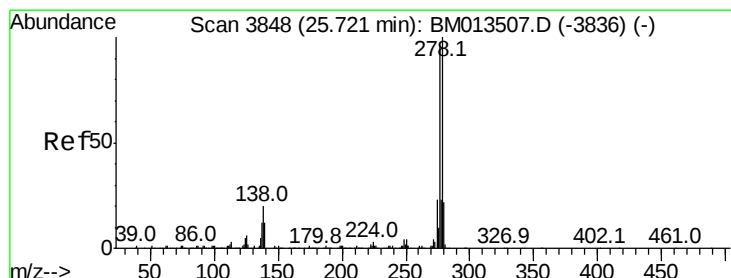
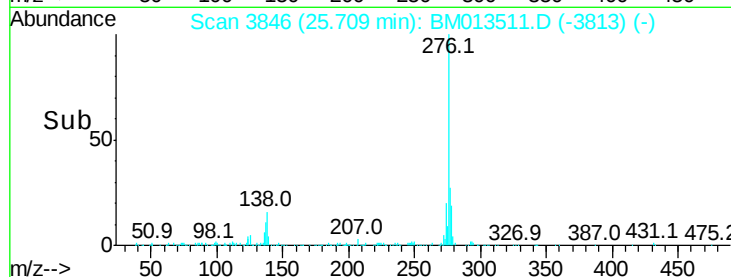
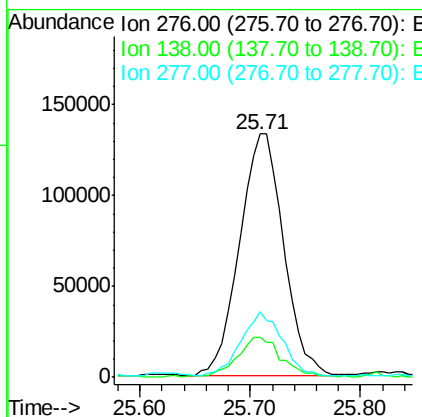
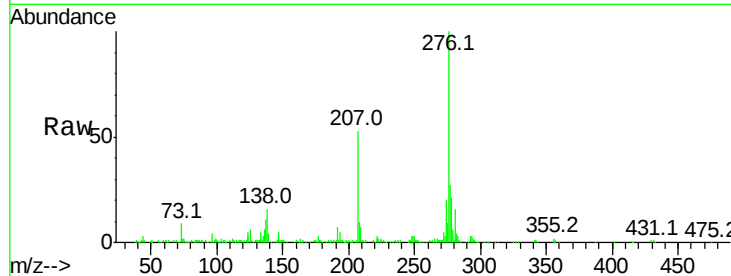
ClientSampleId :

F9A50ME

Tot Ion:	276	Resp:	372006
Ion Ratio	Lower	Upper	
276	100		
138	16.4	9.3	13.9#
277	27.2	19.9	29.9

Manual Integrations
APPROVED

Sohil
12/20/2017 3:49:31 PM



#90

Dibenzo(a,h)anthracene

Concen: 2.210 ng/ul

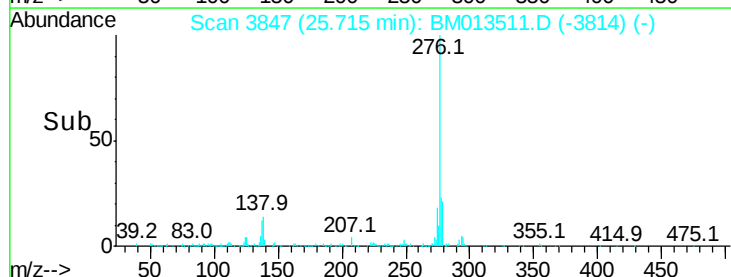
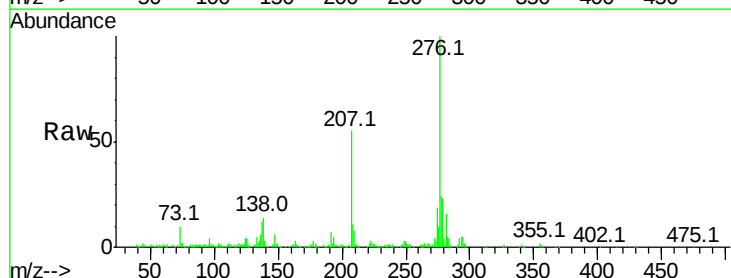
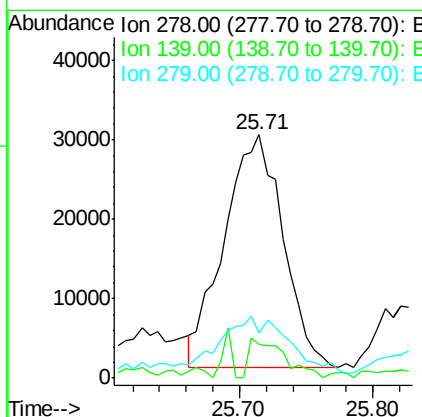
RT: 25.71 min Scan# 3847

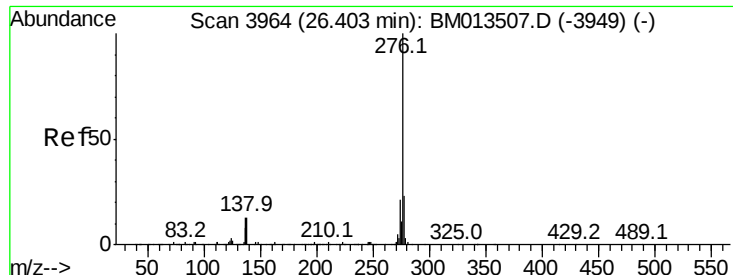
Delta R.T. -0.01 min

Lab File: BM013511.D

Acq: 19 Dec 2017 14:00

Tgt Ion:	278	Resp:	89664
Ion Ratio	Lower	Upper	
278	100		
139	13.9	5.8	8.8#
279	18.6	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 7.105 ng/ul

RT: 26.40 min Scan# 3963

Delta R.T. -0.01 min

Lab File: BM013511.D

Acq: 19 Dec 2017 14:00

Instrument :

BNA_M

ClientSampleId :

F9A50ME

Tot Ion:	276	Resp:	267101
Ion Ratio	Lower	Upper	
276	100		
138	17.5	8.5	12.7#
277	22.6	18.6	28.0

Manual Integrations
APPROVED

Sohil
12/20/2017 3:49:31 PM

