

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM120617\
 Data File : BM013231.D
 Acq On : 07 Dec 2017 04:05
 Operator : SJ/JU
 Sample : I6647-11 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0279

Manual Integrations
 APPROVED

Sohil
 12/7/2017 11:41:27 AM

Quant Time: Dec 07 06:19:31 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 07 04:35:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	279992	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	1229566	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	726087	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	1607387	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1360644	20.00	ng/ul	0.00
83) Perylene-d12	23.51	264	1084684	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	4176	0.74	ng/uL	0.00
5) Phenol-d5	6.87	99	125467	5.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	74431	5.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	100133	5.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	105691	5.11	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	50154	5.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	54634	5.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	110500	5.14	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	123167	6.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	351933	5.45	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	460983	5.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	44621	3.97	ng/ul	0.00
57) Fluorene-d10	15.34	176	314357	5.66	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	20517	2.03	ng/ul	0.00
70) Anthracene-d10	17.19	188	481349	5.98	ng/ul	0.00
76) Pyrene-d10	19.49	212	492134	7.26	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	317141	5.74	ng/ul	0.00

Target Compounds

					Ovalue	
44) Dimethylphthalate	13.80	163	82267	1.331	ng/ul#	97
49) Acenaphthene	14.40	153	95692	1.904	ng/ul	96
58) Fluorene	15.39	166	134037	2.183	ng/ul#	98
69) Phenanthrene	17.13	178	1258497	13.781	ng/ul	99
74) Fluoranthene	19.15	202	1476642	13.195	ng/ul#	94
77) Pyrene	19.52	202	1351757	16.353	ng/ul#	94
80) Benzo(a)anthracene	21.26	228	411772m	4.770	ng/ul	
82) Chrysene	21.31	228	545953	6.817	ng/ul	95
85) Benzo(b)fluoranthene	22.84	252	545781	7.464	ng/ul#	94
86) Benzo(k)fluoranthene	22.87	252	159789m	2.322	ng/ul	
88) Benzo(a)pyrene	23.41	252	303176	4.616	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.74	276	219699	3.371	ng/ul	98
91) Benzo(g,h,i)perylene	26.43	276	224529	4.368	ng/ul#	94

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

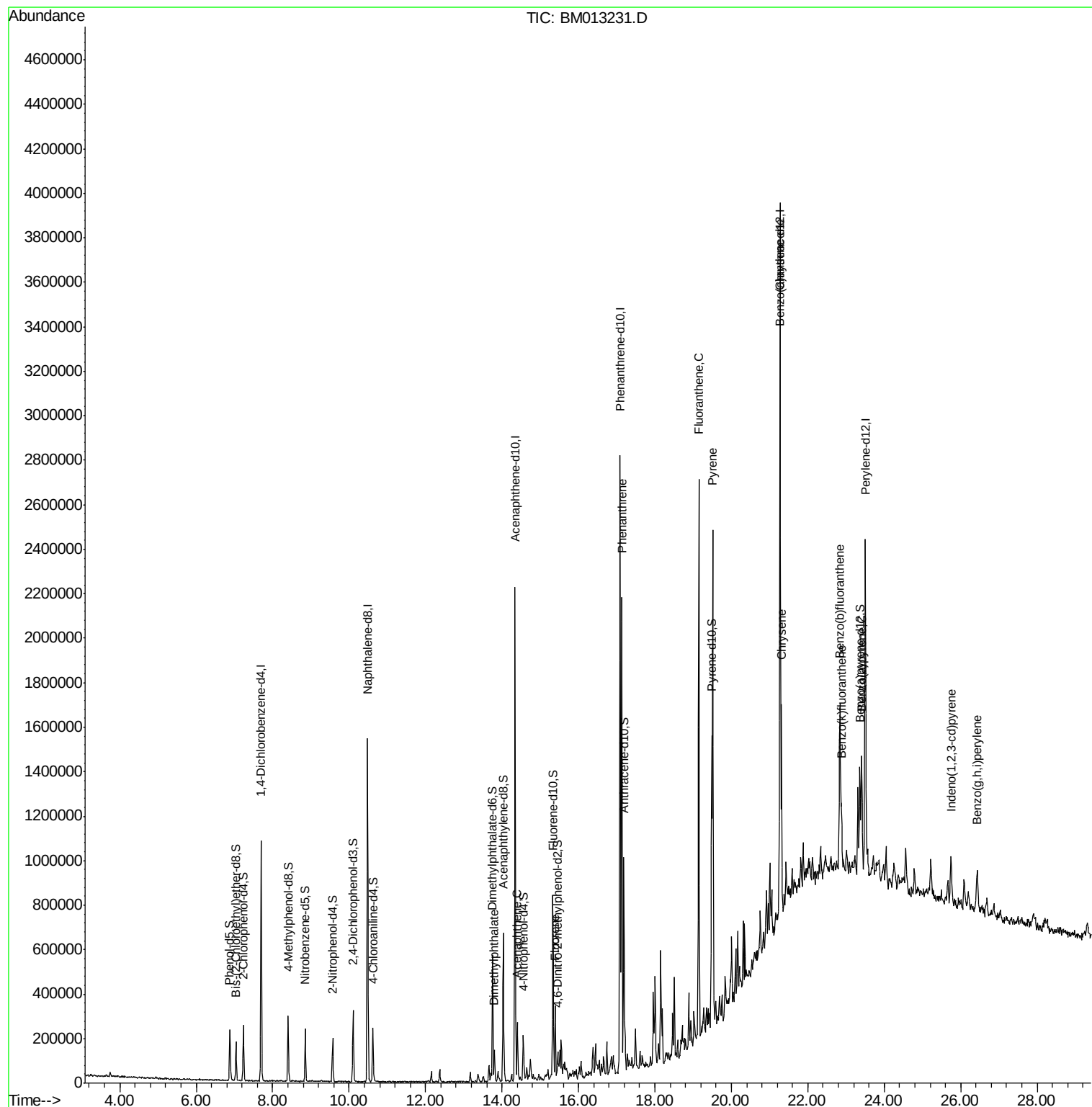
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013231.D
Acq On : 07 Dec 2017 04:05
Operator : SJ/JU
Sample : I6647-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

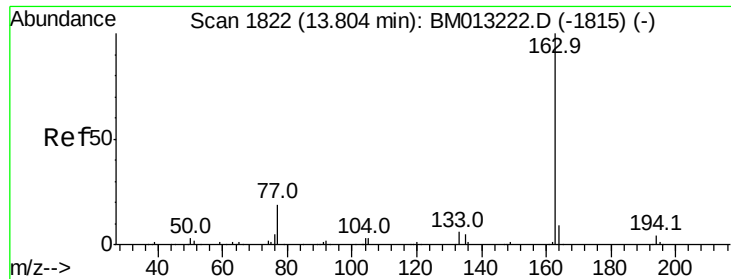
Instrument :
BNA_M
ClientSampleId :
C0279

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Quant Time: Dec 07 06:19:31 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 07 04:35:17 2017
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 1.331 ng/ul

RT: 13.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

Instrument :

BNA_M

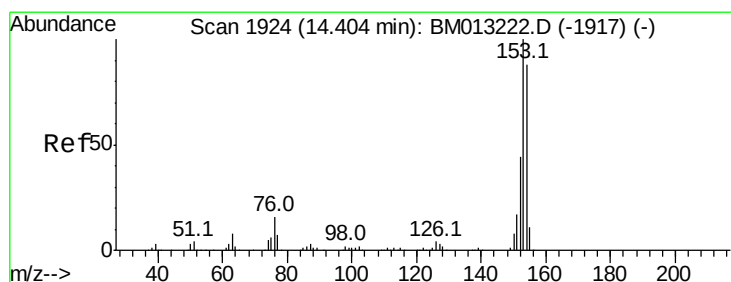
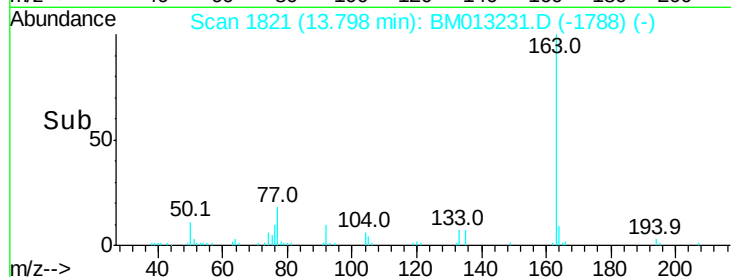
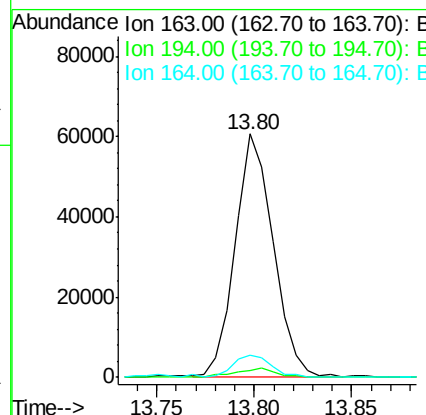
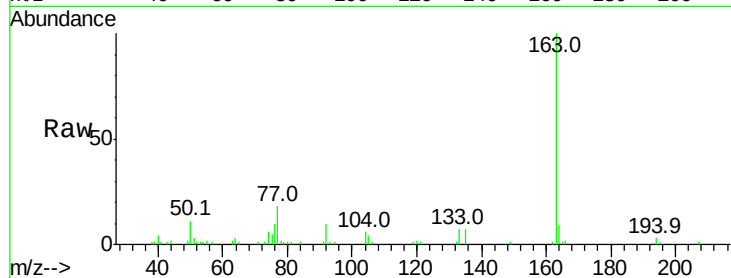
ClientSampleId :

C0279

Tot Ion	Ratio	Resp	Lower	Upper
163	100	82267		
194	3.0		3.5	5.3#
164	9.3		8.2	12.4

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#49

Acenaphthene

Concen: 1.904 ng/ul

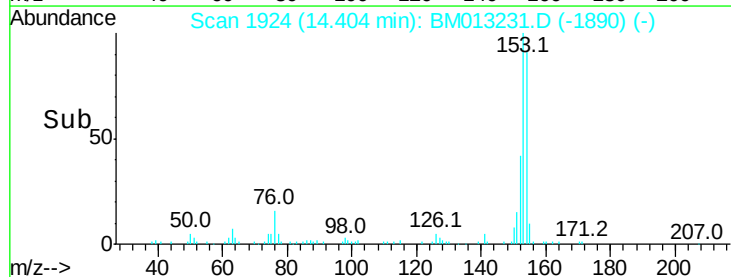
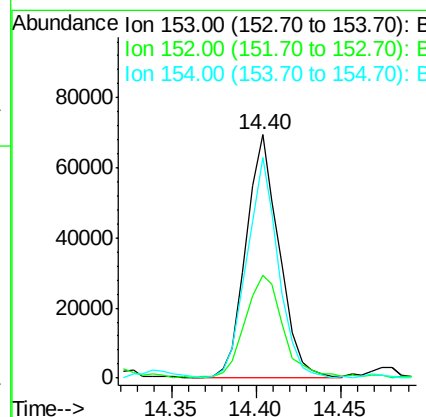
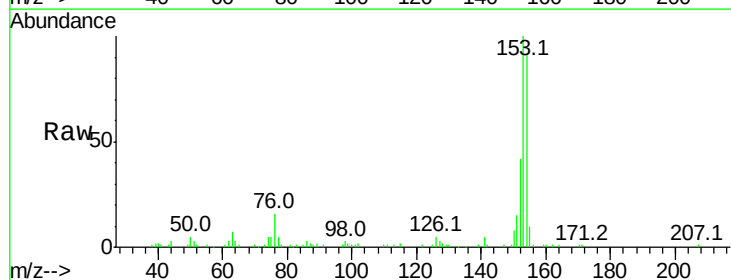
RT: 14.40 min Scan# 1924

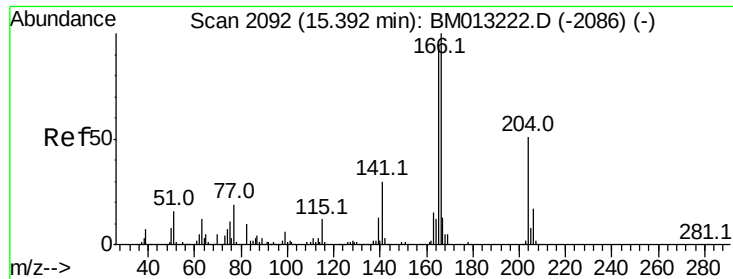
Delta R.T. -0.00 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	95692		
152	42.2		37.6	56.4
154	90.7		70.4	105.6





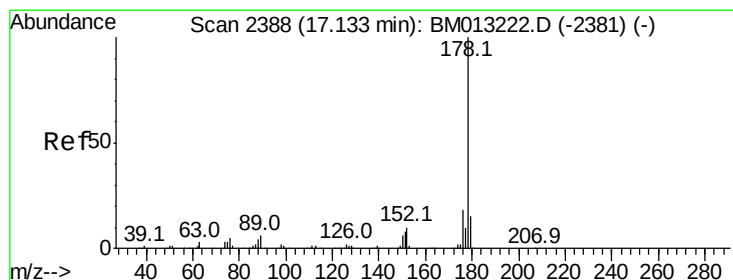
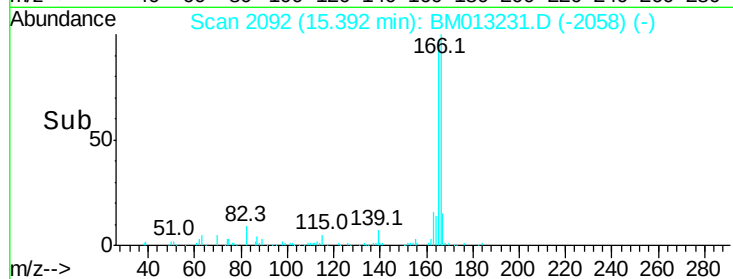
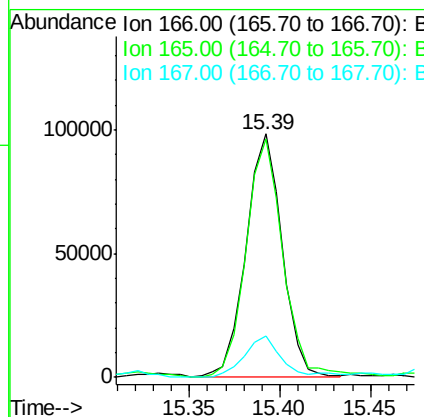
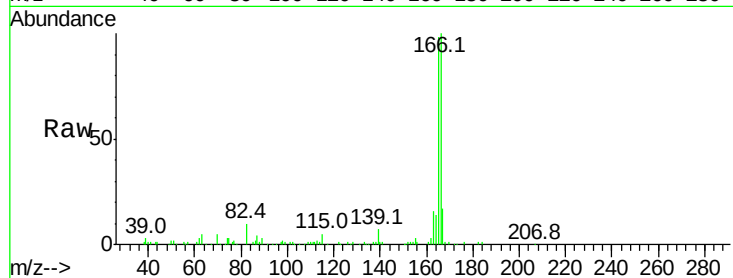
#58
 Fluorene
 Concen: 2.183 ng/ul
 RT: 15.39 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: BM013231.D
 Acq: 07 Dec 2017 04:05

Instrument :
 BNA_M
 ClientSampled :
 C0279

Tot Ion	Ratio	Resp	Lower	Upper
166	100	134037		
165	98.0		77.9	116.9
167	16.9		10.6	16.0#

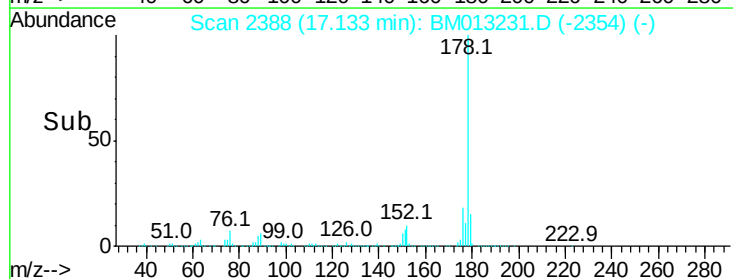
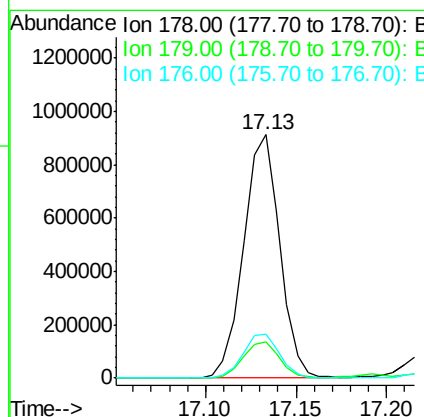
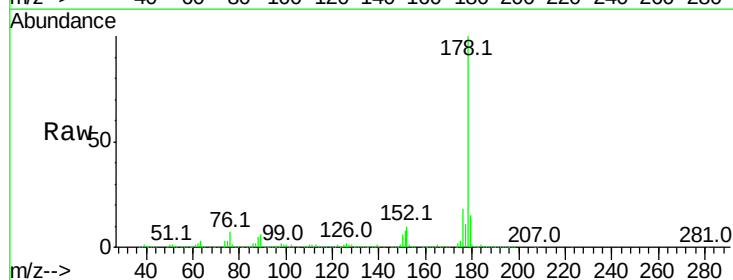
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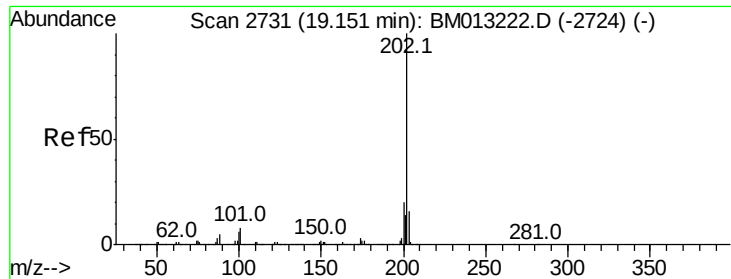
Sohil
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#69
 Phenanthrene
 Concen: 13.781 ng/ul
 RT: 17.13 min Scan# 2388
 Delta R.T. -0.00 min
 Lab File: BM013231.D
 Acq: 07 Dec 2017 04:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1258497		
179	15.1		12.6	19.0
176	18.1		14.9	22.3





#74

Fluoranthene

Concen: 13.195 ng/ul

RT: 19.15 min Scan# 2731

Delta R.T. -0.00 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

Instrument :

BNA_M

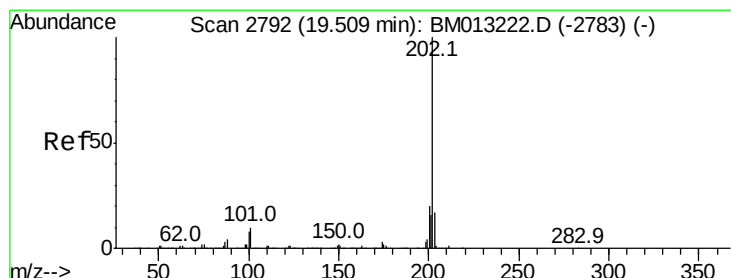
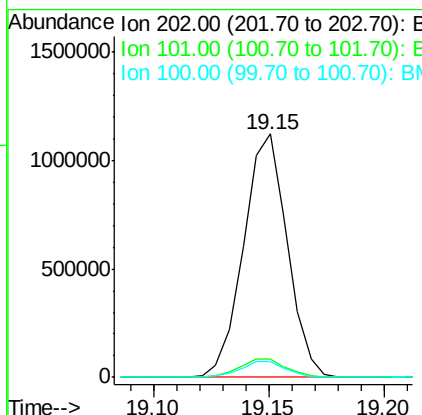
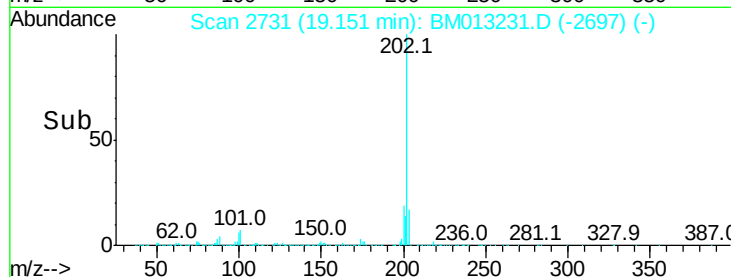
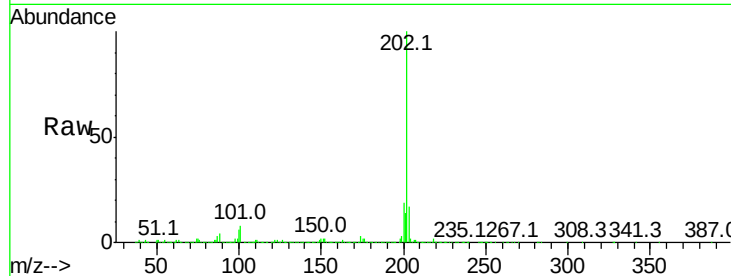
ClientSampled :

C0279

Tot Ion:	202	Resp:	1476642
Ion Ratio	Lower	Upper	
202	100		
101	7.7	4.6	7.0#
100	6.4	3.4	5.2#

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#77

Pyrene

Concen: 16.353 ng/ul

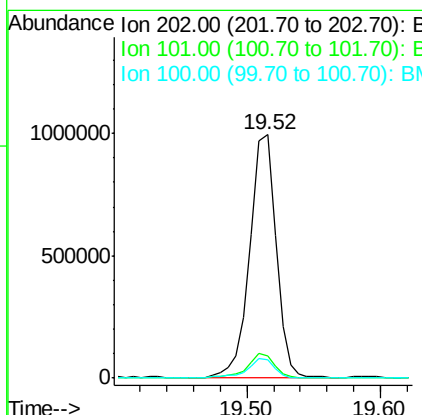
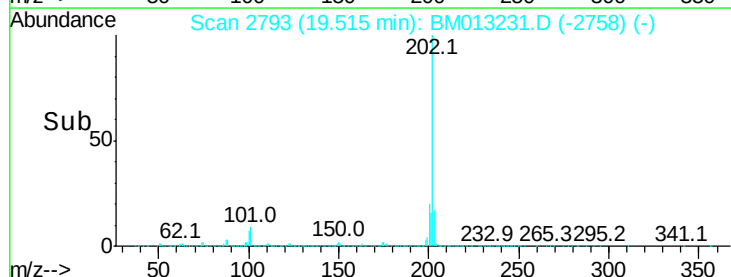
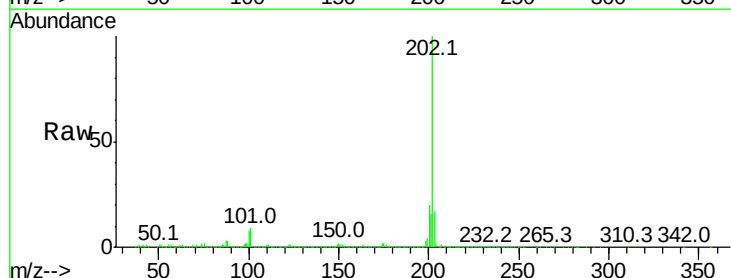
RT: 19.52 min Scan# 2793

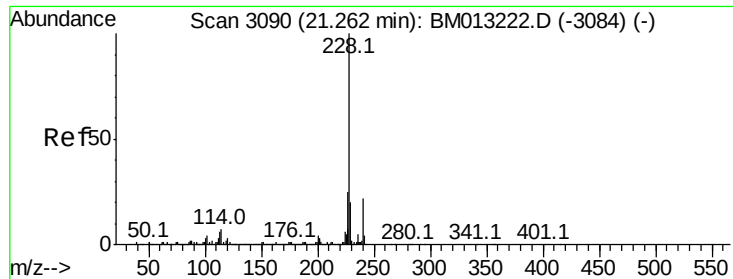
Delta R.T. 0.01 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

Tgt Ion:	202	Resp:	1351757
Ion Ratio	Lower	Upper	
202	100		
101	9.2	5.1	7.7#
100	7.5	4.9	7.3#





#80

Benzo(a)anthracene

Concen: 4.770 ng/ul

RT: 21.26 min Scan# 3090

Delta R.T. -0.00 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

Instrument :

BNA_M

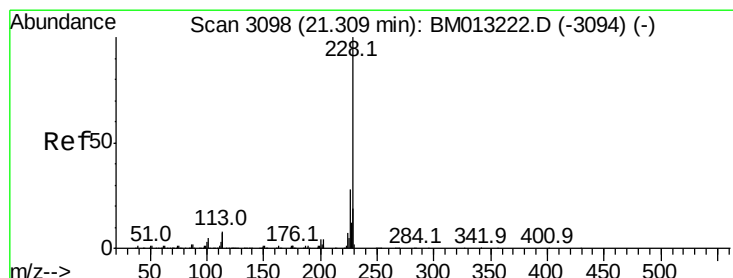
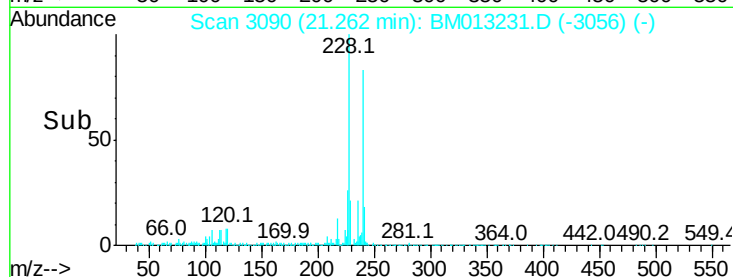
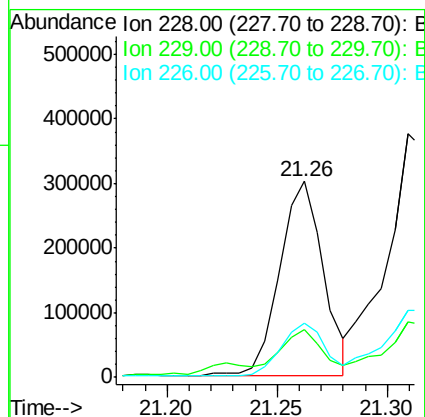
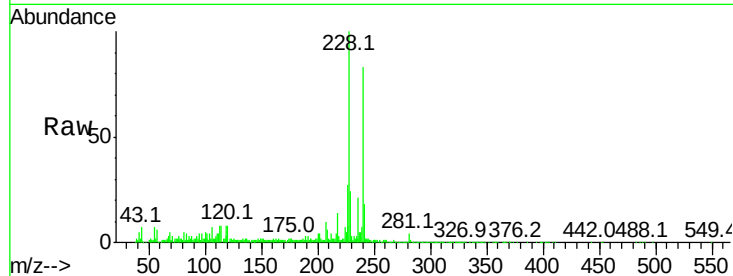
ClientSampled :

C0279

Tot Ion:	228	Resp:	411772
Ion Ratio	Lower	Upper	
228	100		
229	24.2	15.4	23.0#
226	27.3	21.4	32.0

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#82

Chrysene

Concen: 6.817 ng/ul

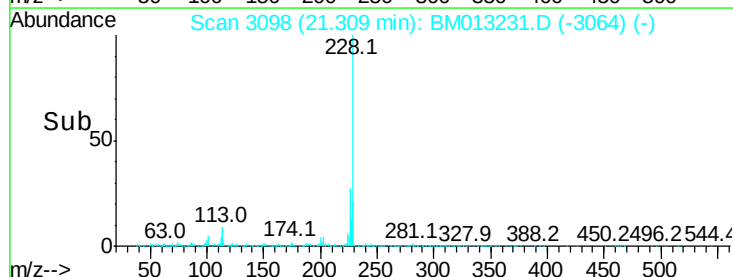
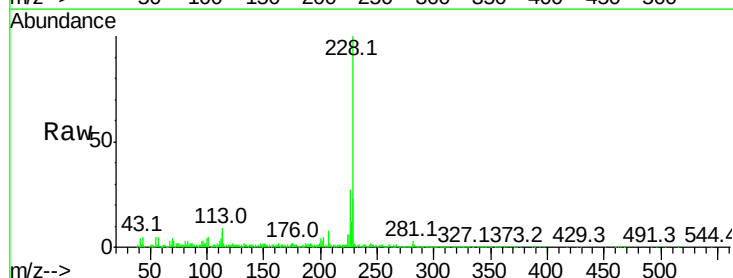
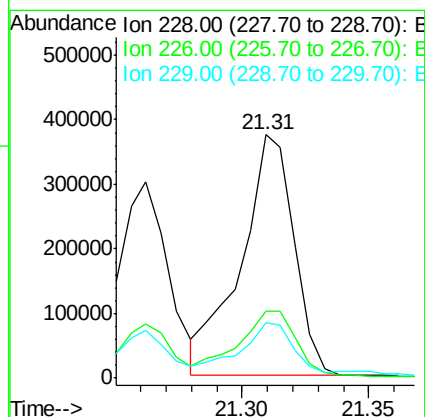
RT: 21.31 min Scan# 3098

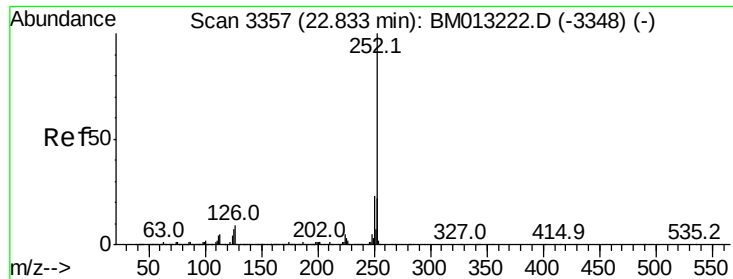
Delta R.T. -0.00 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

Tgt Ion:	228	Resp:	545953
Ion Ratio	Lower	Upper	
228	100		
226	27.3	23.4	35.2
229	22.8	15.5	23.3





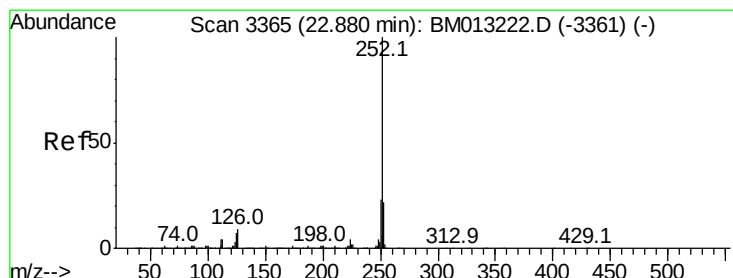
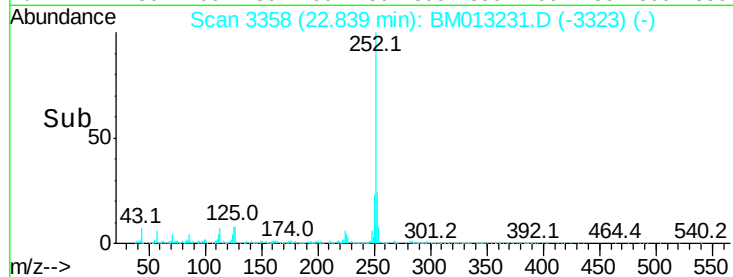
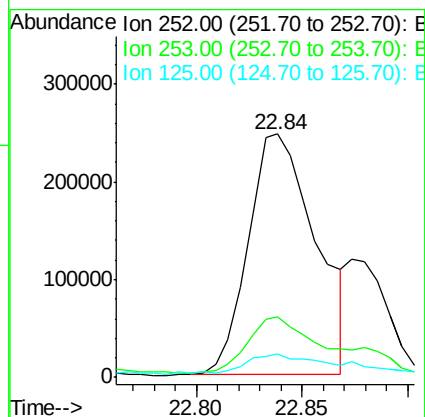
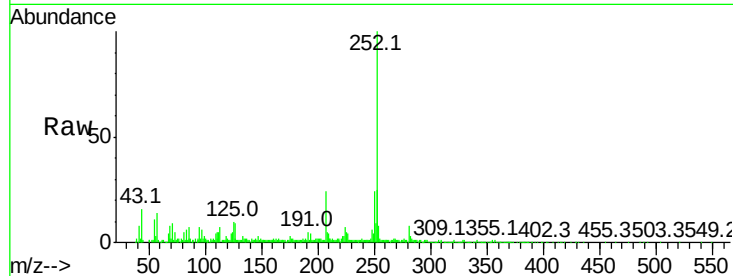
#85
Benzo(b)fluoranthene
Concen: 7.464 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. 0.01 min
Lab File: BM013231.D
Acq: 07 Dec 2017 04:05

Instrument :
BNA_M
ClientSampleId :
C0279

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	9.6	3.6	5.4

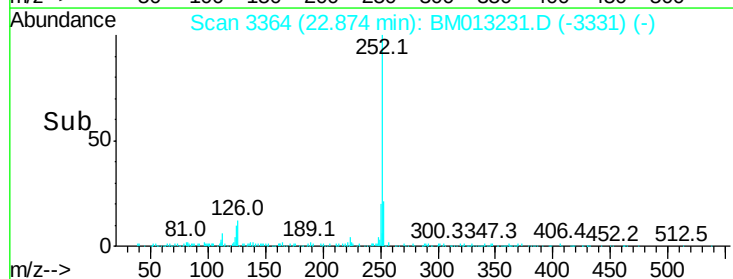
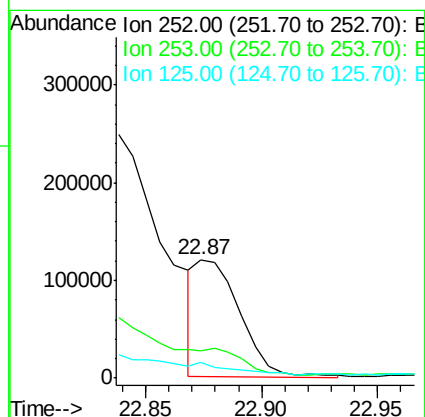
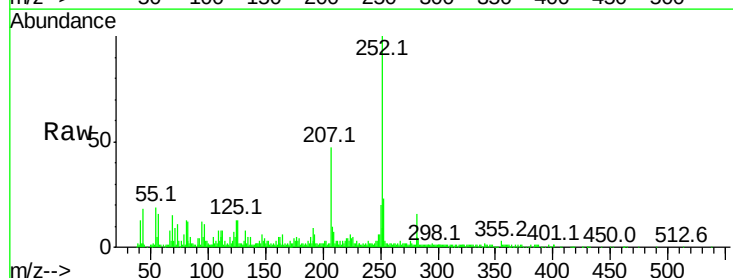
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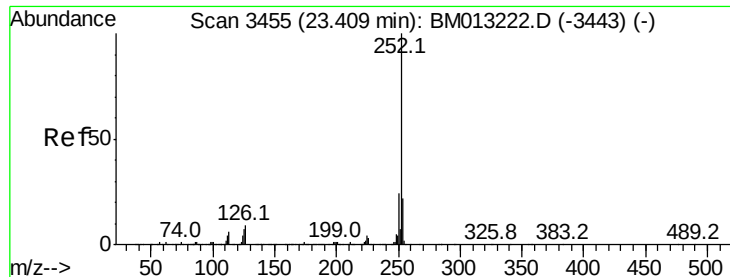
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#86
Benzo(k)fluoranthene
Concen: 2.322 ng/ul m
RT: 22.87 min Scan# 3364
Delta R.T. -0.01 min
Lab File: BM013231.D
Acq: 07 Dec 2017 04:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	13.1	3.4	5.2





#88

Benzo(a)pyrene

Concen: 4.616 ng/ul

RT: 23.41 min Scan# 3455

Delta R.T. -0.00 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

Instrument :

BNA_M

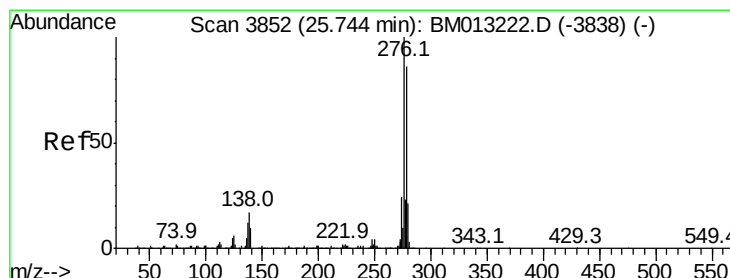
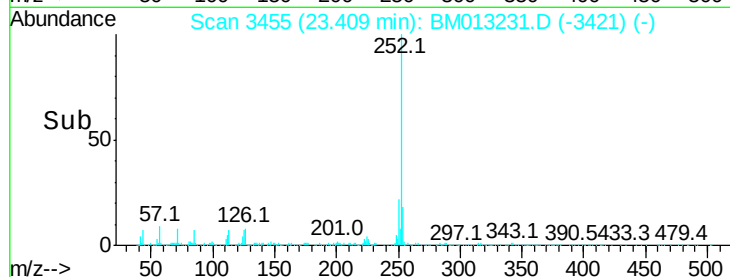
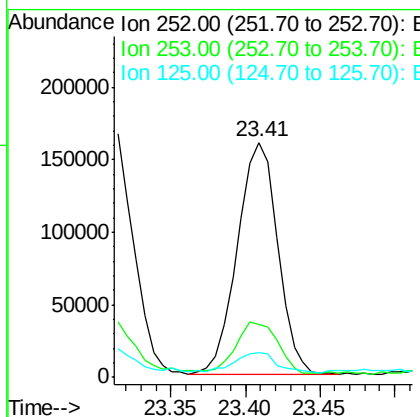
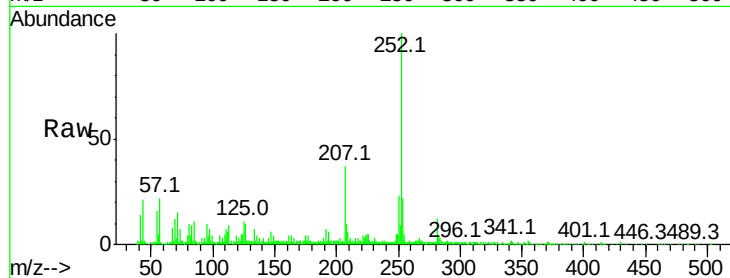
ClientSampleId :

C0279

Tot Ion:	252	Resp:	303176
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.2	27.2
125	10.7	4.0	6.0

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#89

Indeno(1,2,3-cd)pyrene

Concen: 3.371 ng/ul

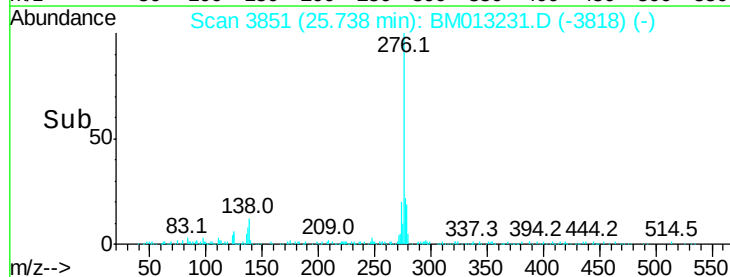
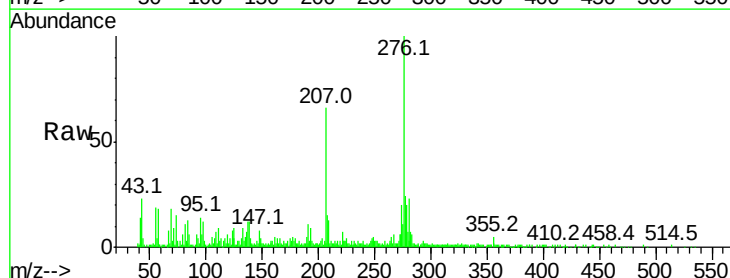
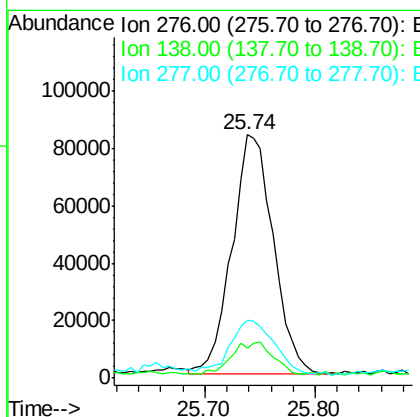
RT: 25.74 min Scan# 3851

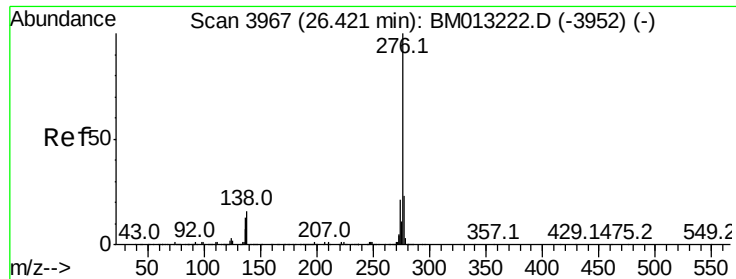
Delta R.T. -0.01 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

Tgt Ion:	276	Resp:	219699
Ion Ratio	Lower	Upper	
276	100		
138	12.3	9.3	13.9
277	24.1	19.9	29.9





#91
 Benzo(a,h,i)perylene
 Concen: 4.368 ng/ul
 RT: 26.43 min Scan# 3969
 Delta R.T. 0.01 min
 Lab File: BM013231.D
 Acq: 07 Dec 2017 04:05

Instrument :
 BNA_M
 ClientSampleId :
 C0279

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.6	8.5	12.7#
277	25.7	18.6	28.0

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