

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013430.D
 Acq On : 15 Dec 2017 08:23
 Operator : SJ/JU
 Sample : I6776-03 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A55

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:49:19 PM

Quant Time: Dec 25 01:36:33 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 04:56:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	259791	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1116558	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	638396	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1334302	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1128723	20.00	ng/ul	0.01
83) Perylene-d12	23.49	264	920773	20.00	ng/ul	0.00

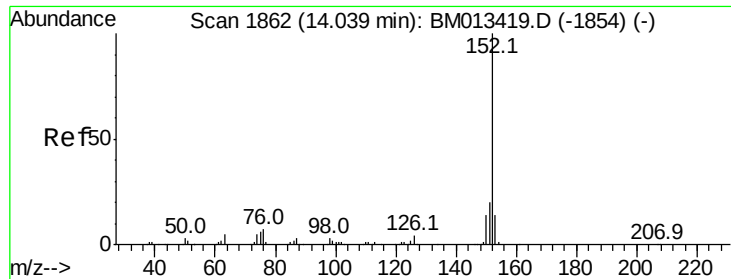
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1973	0.38	ng/uL	0.00
5) Phenol-d5	6.85	99	78010	3.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	45556	3.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	61628	3.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	66218	3.45	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	32805	3.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	37423	3.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	68865	3.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	23251	1.30	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	245538	4.32	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	296663	4.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	30865	3.13	ng/ul	0.00
57) Fluorene-d10	15.32	176	207965	4.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	23891	2.85	ng/ul	0.00
70) Anthracene-d10	17.16	188	305722	4.57	ng/ul	0.00
76) Pyrene-d10	19.48	212	319963	5.69	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.35	264	201111	4.29	ng/ul	0.00

Target Compounds

					Ovalue
47) Acenaphthylene	14.04	152	573854	8.845	ng/ul 99
68) Pentachlorophenol	16.72	266	68921	6.889	ng/ul 94
69) Phenanthrene	17.11	178	661978	8.733	ng/ul 99
71) Anthracene	17.20	178	1276908	16.480	ng/ul 98
74) Fluoranthene	19.14	202	27754813m	298.773	ng/ul
77) Pyrene	19.51	202	31358470m	457.300	ng/ul
80) Benzo(a)anthracene	21.26	228	12193300	170.262	ng/ul 96
82) Chrysene	21.32	228	14542850m	218.886	ng/ul
85) Benzo(b)fluoranthene	22.84	252	8643897	139.259	ng/ul# 97
86) Benzo(k)fluoranthene	22.87	252	2908805	49.798	ng/ul# 98
88) Benzo(a)pyrene	23.40	252	2896149	51.941	ng/ul# 96
89) Indeno(1,2,3-cd)pyrene	25.72	276	1440219	26.032	ng/ul# 94
90) Dibenzo(a,h)anthracene	25.72	278	402854	8.552	ng/ul# 89
91) Benzo(g,h,i)perylene	26.40	276	1054633	24.167	ng/ul# 95

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



#47

Acenaphthylene

Concen: 8.845 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

Instrument :

BNA_M

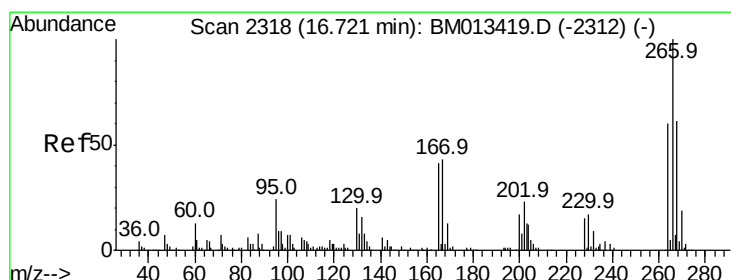
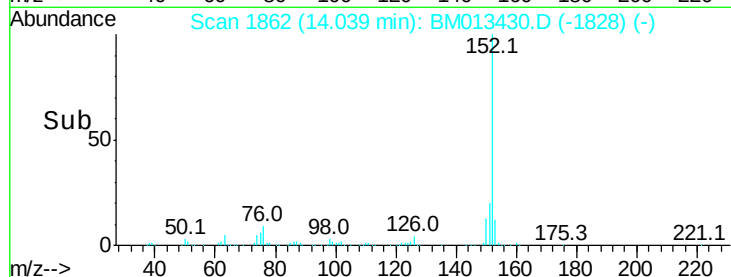
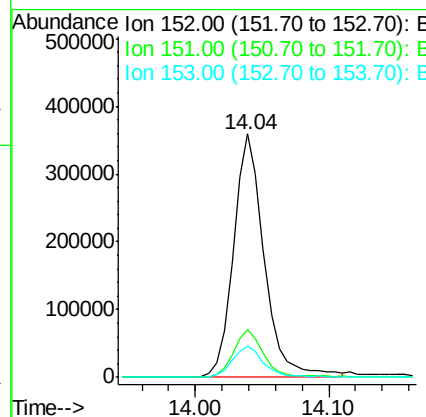
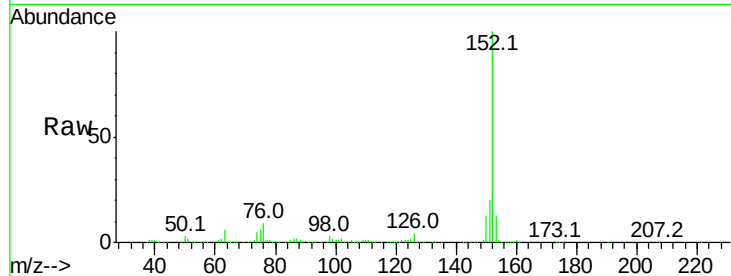
ClientSampleId :

F9A55

Tot Ion:	152	Resp:	573854
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.3	24.5
153	12.6	10.2	15.4

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#68

Pentachlorophenol

Concen: 6.889 ng/ul

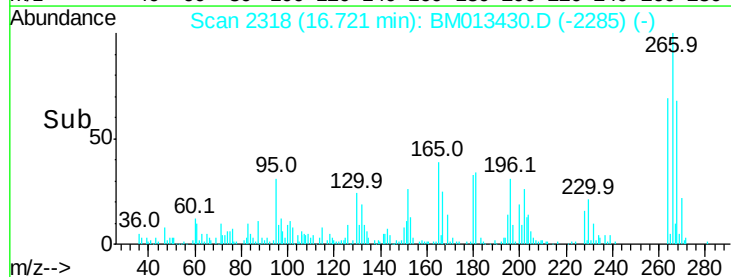
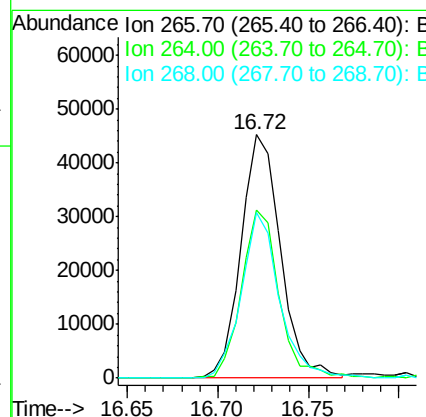
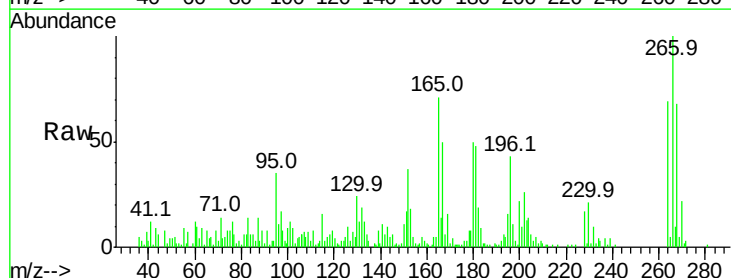
RT: 16.72 min Scan# 2318

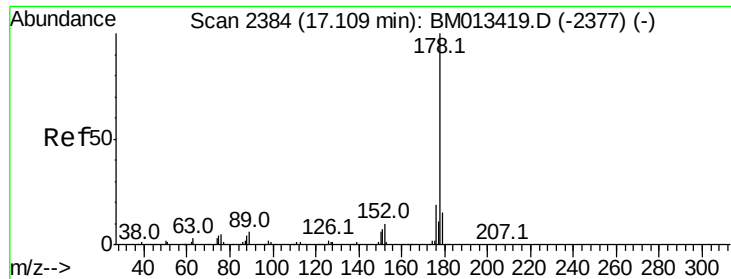
Delta R.T. -0.01 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

Tgt Ion:	266	Resp:	68921
Ion Ratio	Lower	Upper	
266	100		
264	69.2	49.3	73.9
268	68.0	52.6	78.8





#69

Phenanthrene

Concen: 8.733 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

Instrument :

BNA_M

ClientSampleId :

F9A55

Tot Ion:178 Resp: 661978

Ion Ratio Lower Upper

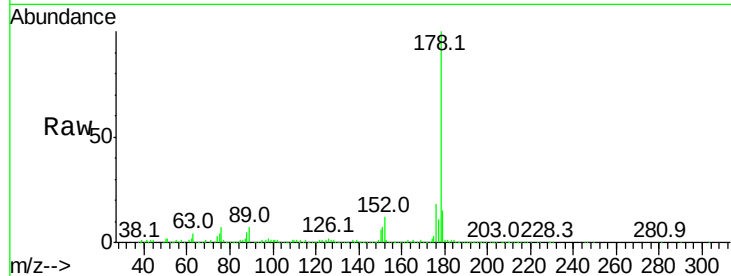
178 100

179 15.3 12.6 19.0

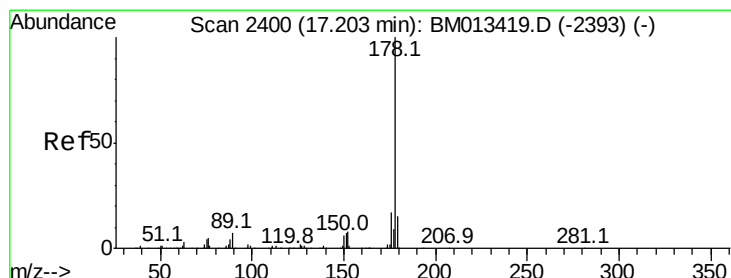
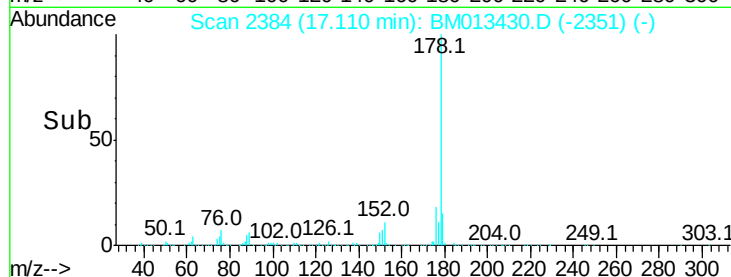
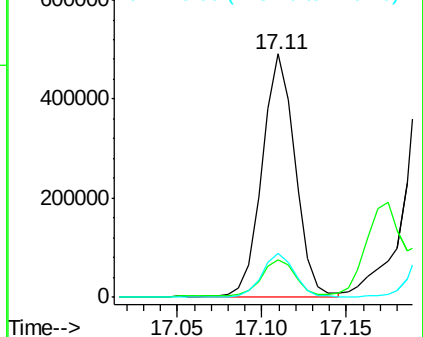
176 17.9 14.9 22.3

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 16.480 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

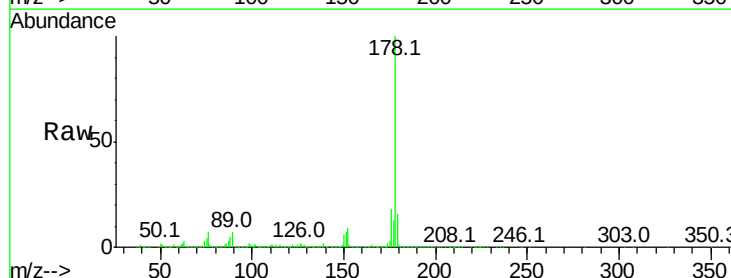
Tgt Ion:178 Resp: 1276908

Ion Ratio Lower Upper

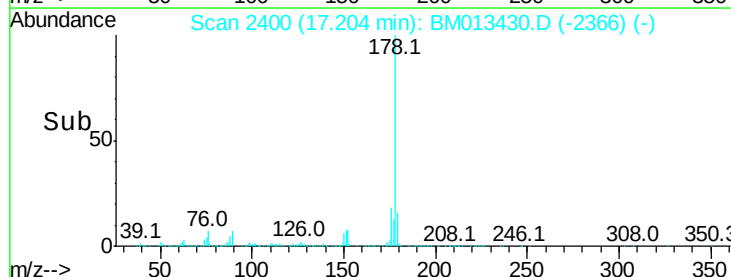
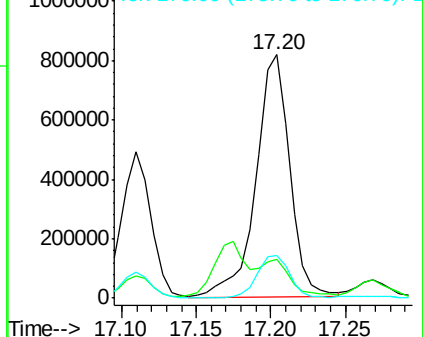
178 100

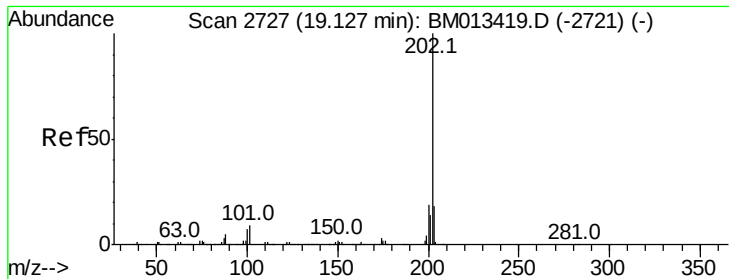
179 15.8 11.7 17.5

176 17.6 14.6 21.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





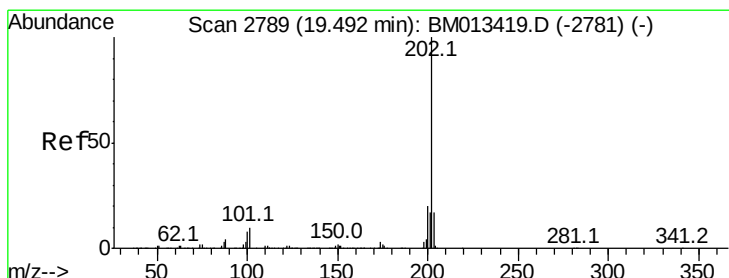
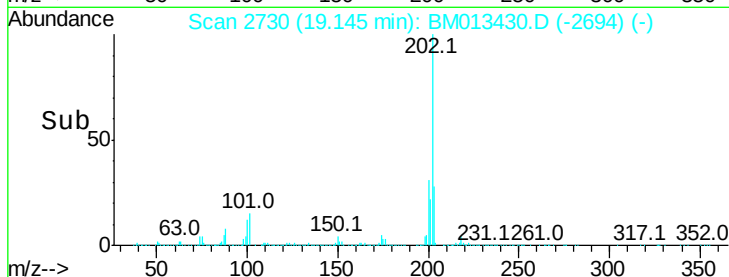
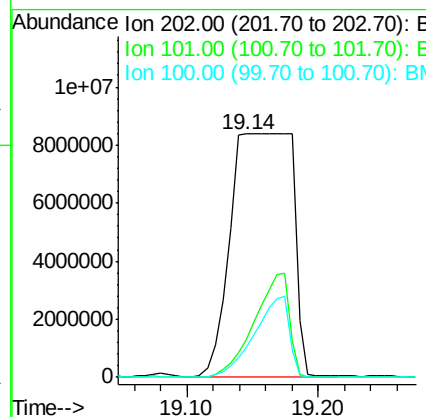
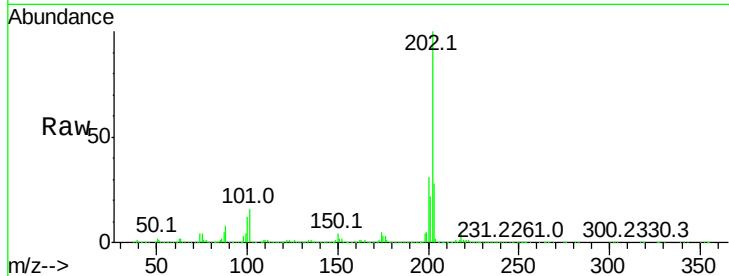
#74
 Fluoranthene
 Concen: 298.773 ng/ul m
 RT: 19.14 min Scan# 2730
 Delta R.T. 0.01 min
 Lab File: BM013430.D
 Acq: 15 Dec 2017 08:23

Instrument :
 BNA_M
 ClientSampleId :
 F9A55

Tot Ion:202 Resp:27754813
 Ion Ratio Lower Upper
 202 100
 101 15.7 4.6 7.0#
 100 12.1 3.4 5.2#

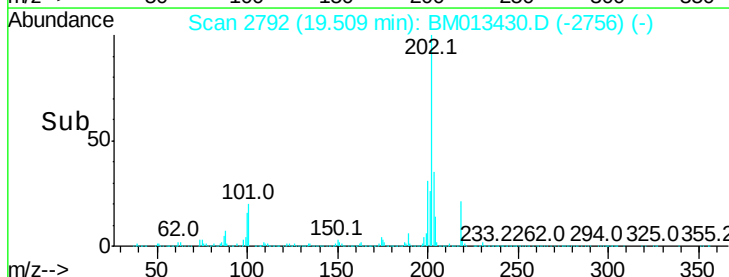
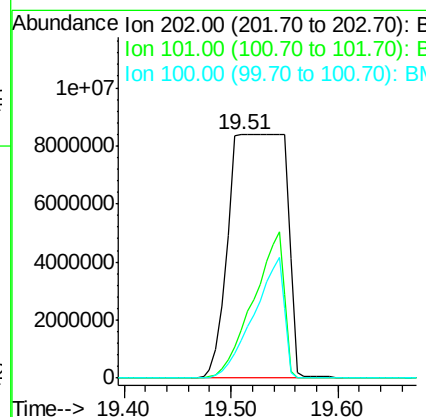
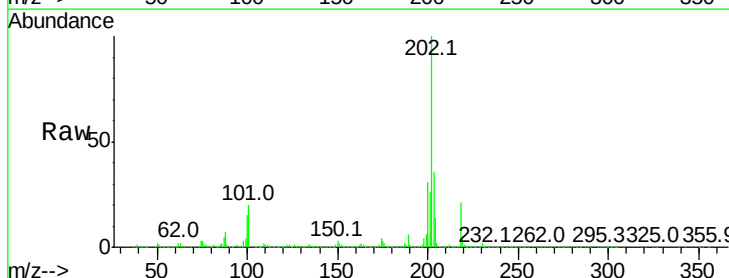
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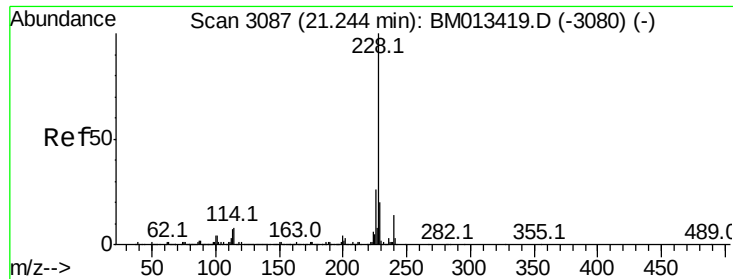
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#77
 Pyrene
 Concen: 457.300 ng/ul m
 RT: 19.51 min Scan# 2792
 Delta R.T. 0.01 min
 Lab File: BM013430.D
 Acq: 15 Dec 2017 08:23

Tgt Ion:202 Resp:31358470
 Ion Ratio Lower Upper
 202 100
 101 19.8 5.1 7.7#
 100 15.4 4.9 7.3#





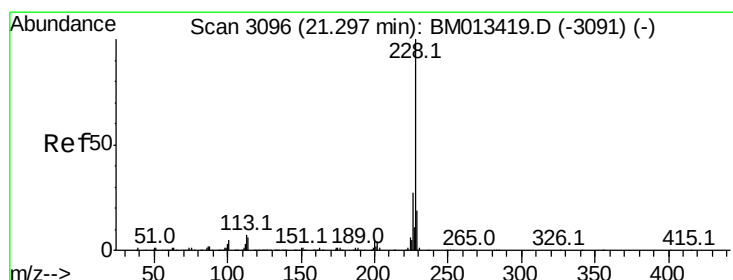
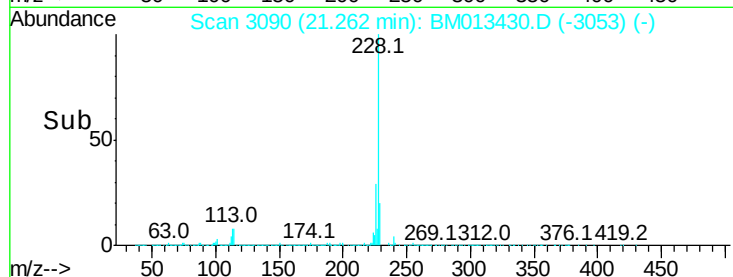
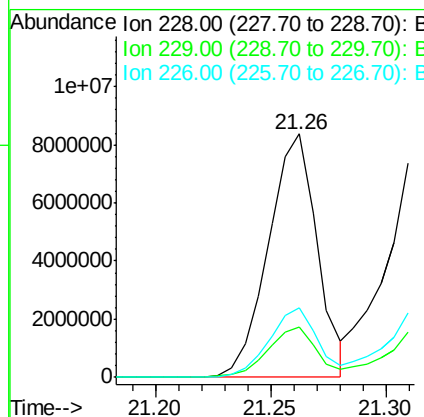
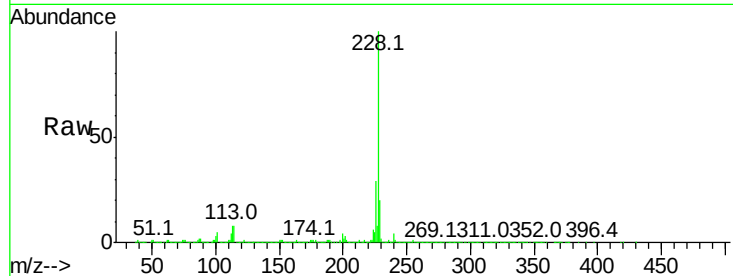
#80
Benzo(a)anthracene
Concen: 170.262 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. 0.02 min
Lab File: BM013430.D
Acq: 15 Dec 2017 08:23

Instrument :
BNA_M
ClientSampled :
F9A55

Tot Ion:228 Resp:12193300
Ion Ratio Lower Upper
228 100
229 20.5 15.4 23.0
226 28.8 21.4 32.0

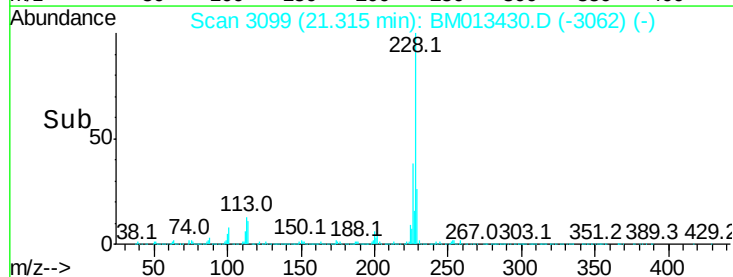
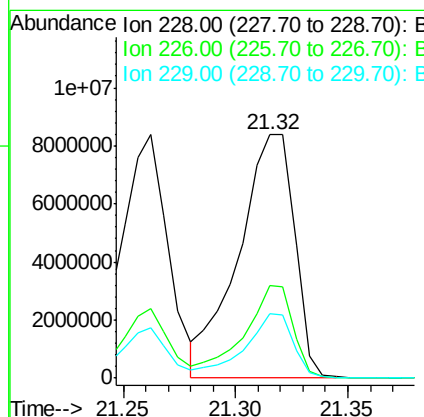
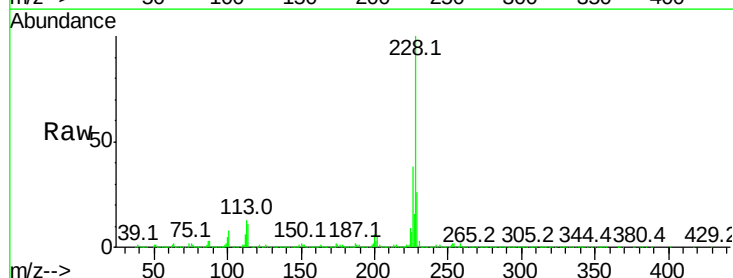
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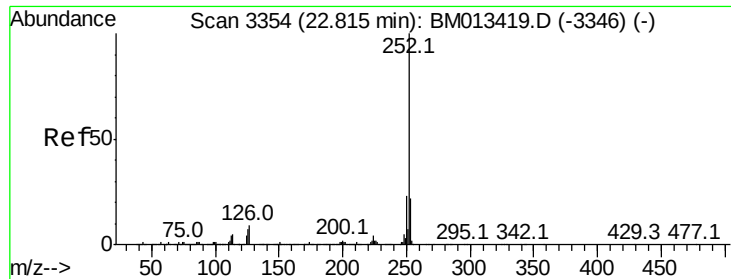
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#82
Chrysene
Concen: 218.886 ng/ul m
RT: 21.32 min Scan# 3099
Delta R.T. 0.02 min
Lab File: BM013430.D
Acq: 15 Dec 2017 08:23

Tgt Ion:228 Resp:14542850
Ion Ratio Lower Upper
228 100
226 38.0 23.4 35.2#
229 26.3 15.5 23.3#





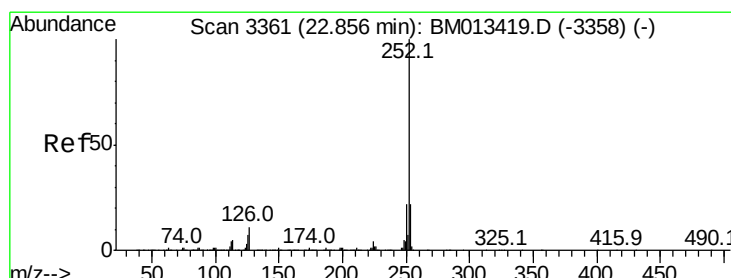
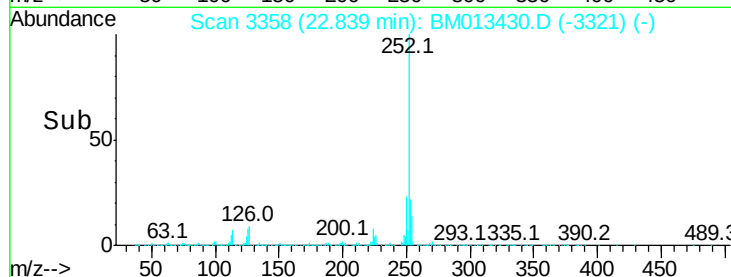
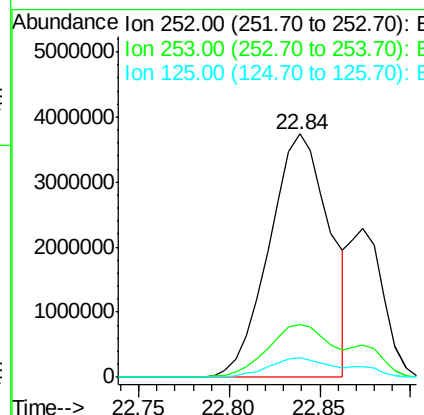
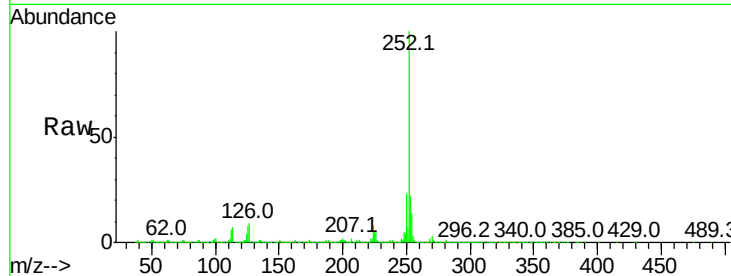
#85
Benzo(b)fluoranthene
Concen: 139.259 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. 0.02 min
Lab File: BM013430.D
Acq: 15 Dec 2017 08:23

Instrument :
BNA_M
ClientSampled :
F9A55

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	7.9	3.6	5.4

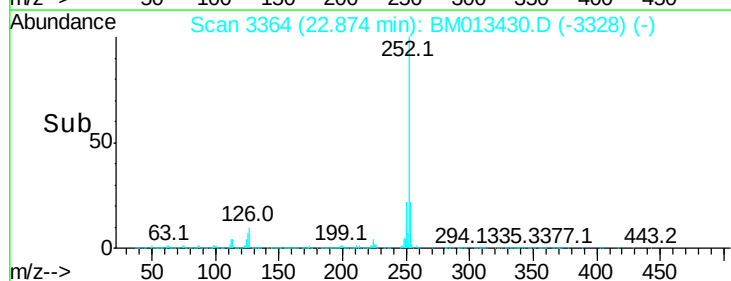
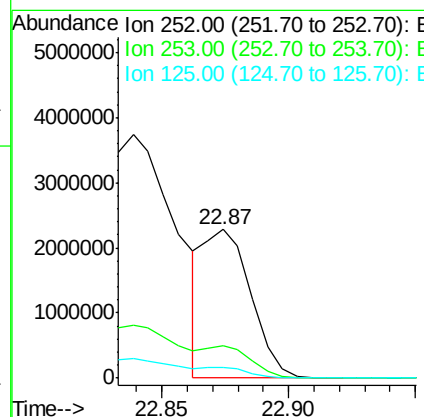
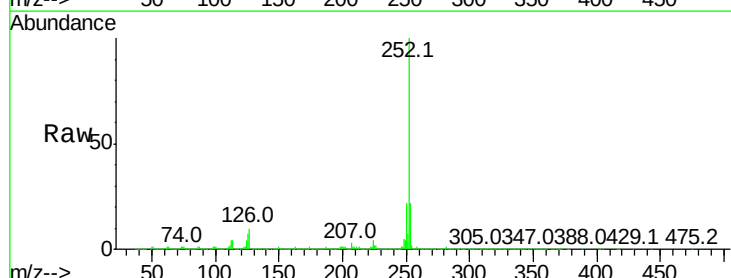
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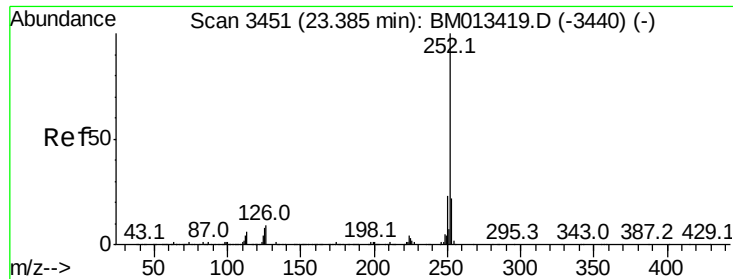
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#86
Benzo(k)fluoranthene
Concen: 49.798 ng/ul
RT: 22.87 min Scan# 3364
Delta R.T. 0.01 min
Lab File: BM013430.D
Acq: 15 Dec 2017 08:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	7.0	3.4	5.2





#88

Benzo(a)pyrene

Concen: 51.941 ng/ul

RT: 23.40 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

Instrument :

BNA_M

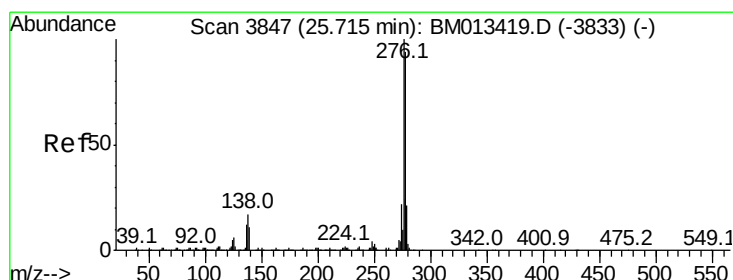
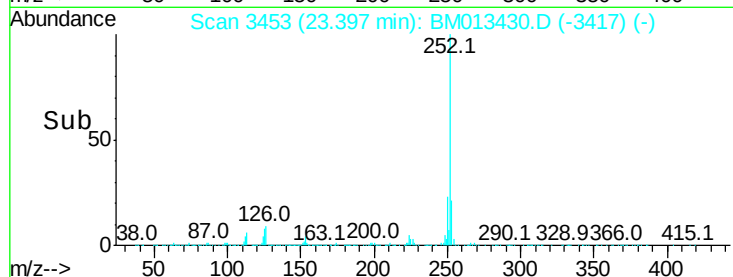
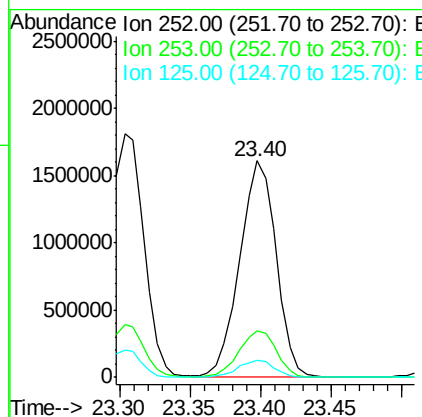
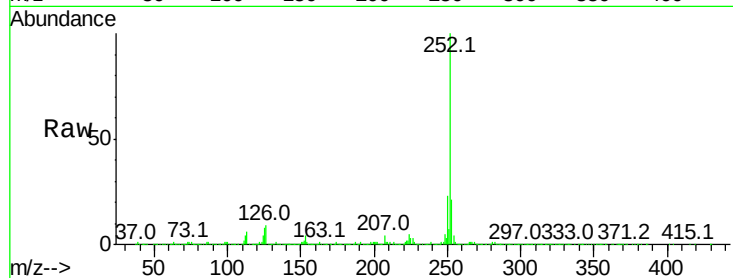
ClientSampleId :

F9A55

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.2
125	7.8	4.0	6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 26.032 ng/ul

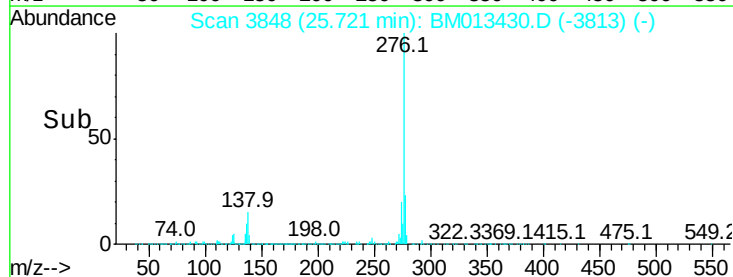
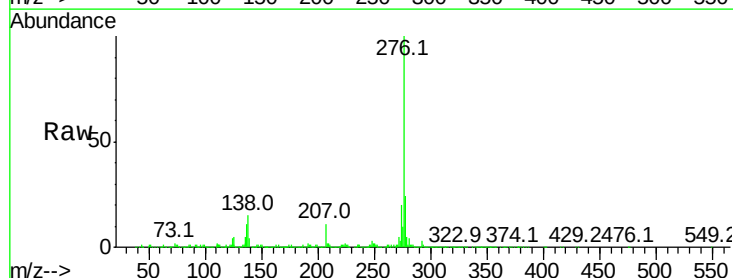
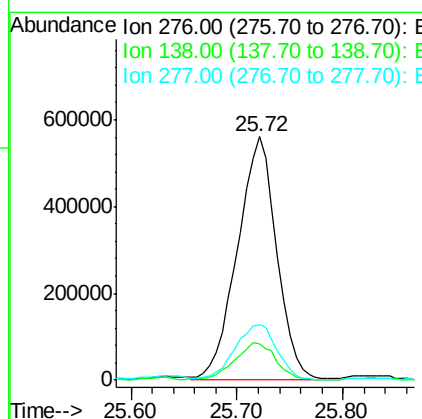
RT: 25.72 min Scan# 3848

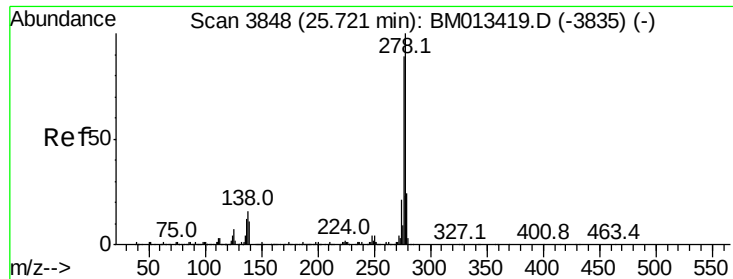
Delta R.T. 0.01 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.2	9.3	13.9#
277	22.9	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 8.552 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. -0.01 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

Instrument :

BNA_M

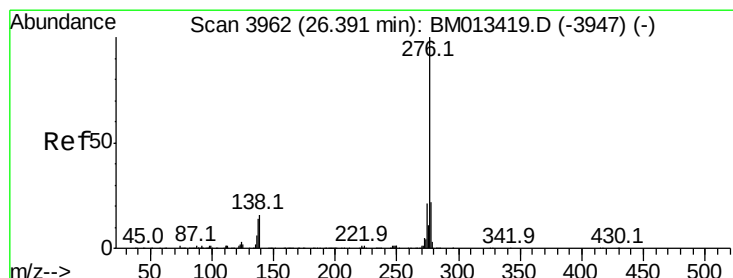
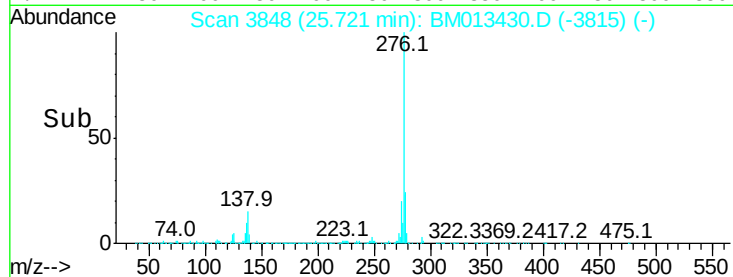
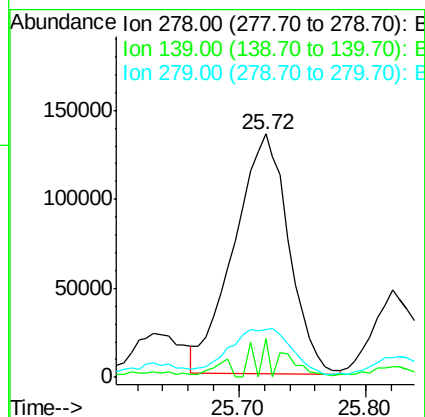
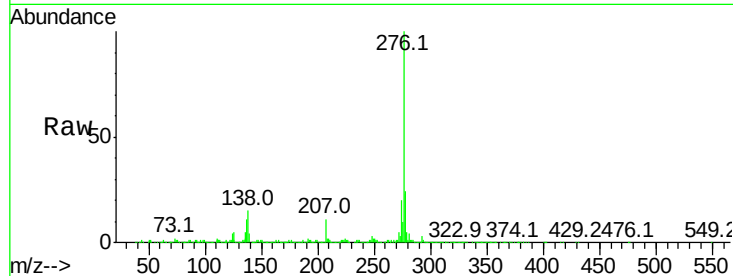
ClientSampled :

F9A55

Tot Ion:	278	Resp:	402854
Ion Ratio	Lower	Upper	
278	100		
139	15.9	5.8	8.8#
279	19.9	18.6	27.8

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#91

Benzo(g,h,i)perylene

Concen: 24.167 ng/ul

RT: 26.40 min Scan# 3964

Delta R.T. 0.01 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

Tgt Ion:	276	Resp:	1054633
Ion Ratio	Lower	Upper	
276	100		
138	15.3	8.5	12.7#
277	24.1	18.6	28.0

