

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
 Data File : BM013493.D
 Acq On : 18 Dec 2017 11:49
 Operator : SJ/JU
 Sample : I6776-03ME
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A55ME

Manual Integrations
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 12/19/2017 4:56:15 PM

Quant Time: Dec 18 16:50:17 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	228939	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1014865	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	598920	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1249350	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	957167	20.00	ng/ul	0.01
83) Perylene-d12	23.49	264	817823	20.00	ng/ul	0.00

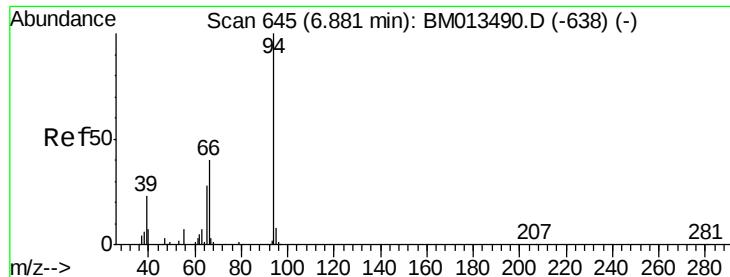
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	27678	5.99	ng/uL	0.00
5) Phenol-d5	6.85	99	682563	34.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	402444	35.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	557545	36.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	602635	35.61	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	305028	37.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	333175	38.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	601407	33.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	484898	29.72	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1860821	34.91	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	2407989	36.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	260592	28.14	ng/ul	0.00
57) Fluorene-d10	15.32	176	1578802	34.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	224082	28.51	ng/ul	0.00
70) Anthracene-d10	17.16	188	2355866	37.65	ng/ul	0.00
76) Pyrene-d10	19.48	212	2266709	47.53	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.34	264	1533236	36.81	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	6.88	94	22161	1.132	ng/ul	93
44) Dimethylphthalate	13.77	163	273772	5.371	ng/ul	99
47) Acenaphthylene	14.04	152	503724	8.276	ng/ul	97
68) Pentachlorophenol	16.72	266	40815	4.357	ng/ul	97
69) Phenanthrene	17.10	178	240630	3.390	ng/ul	98
71) Anthracene	17.20	178	966212	13.318	ng/ul	98
74) Fluoranthene	19.14	202	21879296m	251.539	ng/ul	
77) Pyrene	19.50	202	26038279m	447.773	ng/ul	
80) Benzo(a)anthracene	21.25	228	7806869	128.551	ng/ul	97
82) Chrysene	21.31	228	11593009	205.761	ng/ul	98
85) Benzo(b)fluoranthene	22.83	252	6218754	112.800	ng/ul#	98
86) Benzo(k)fluoranthene	22.86	252	1757819m	33.881	ng/ul	
88) Benzo(a)pyrene	23.39	252	1966838	39.715	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.71	276	1005115	20.455	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.72	278	282781	6.758	ng/ul#	93
91) Benzo(g,h,i)perylene	26.39	276	676997	17.466	ng/ul#	95

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



#6

Phenol

Concen: 1.132 ng/ul

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: BM013493.D

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Instrument :

BNA_M

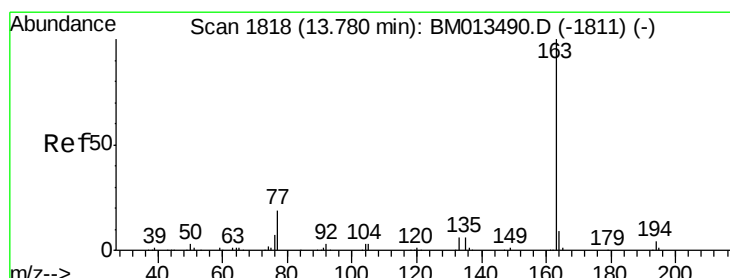
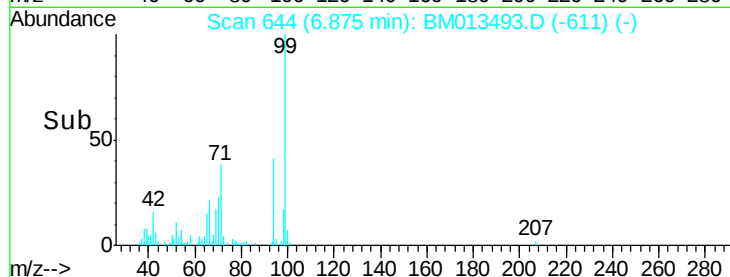
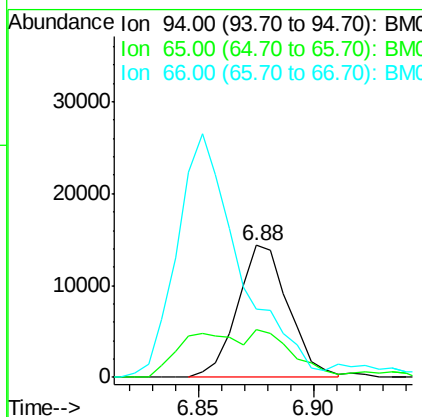
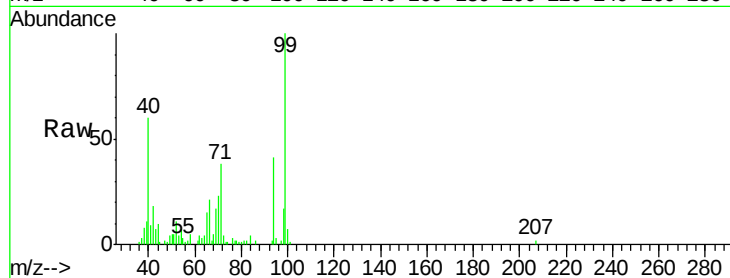
ClientSampleId :

F9A55ME

Tgt Ion:	94	Resp:	22161
Ion Ratio	Lower	Upper	
94	100		
65	35.8	28.2	42.4
66	51.2	47.2	70.8

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#44

Dimethylphthalate

Concen: 5.371 ng/ul

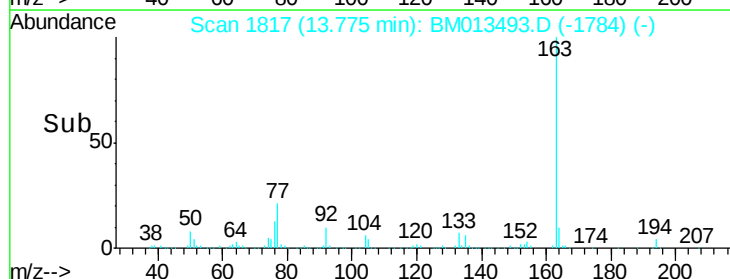
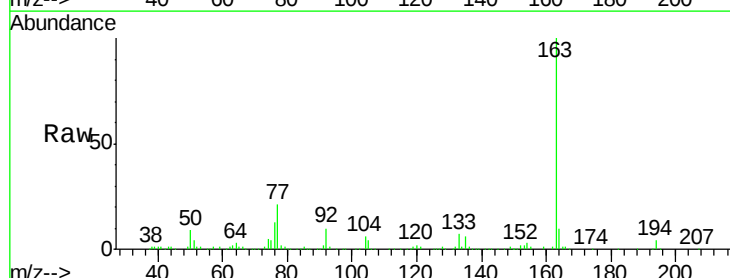
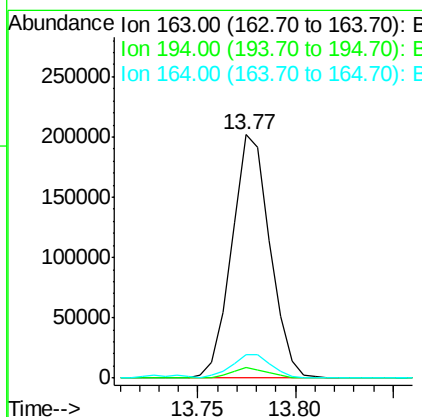
RT: 13.77 min Scan# 1817

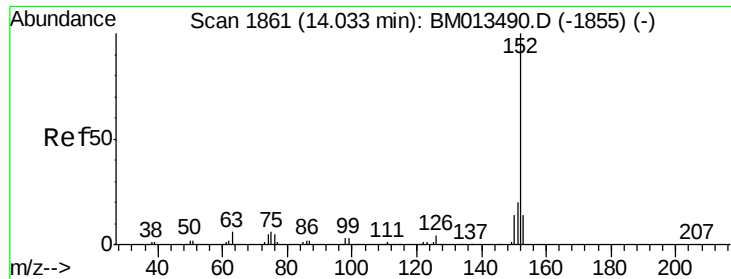
Delta R.T. -0.01 min

Lab File: BM013493.D

Acq: 18 Dec 2017 11:49

Tgt Ion:	163	Resp:	273772
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.5	5.3
164	9.7	8.2	12.4





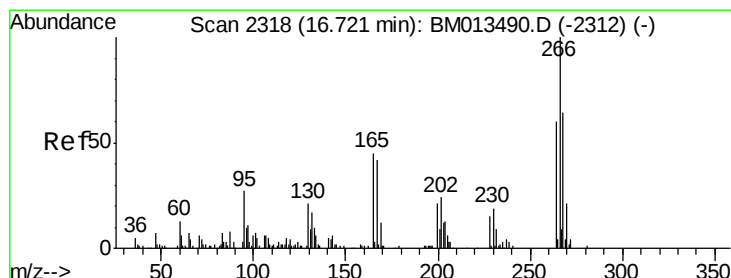
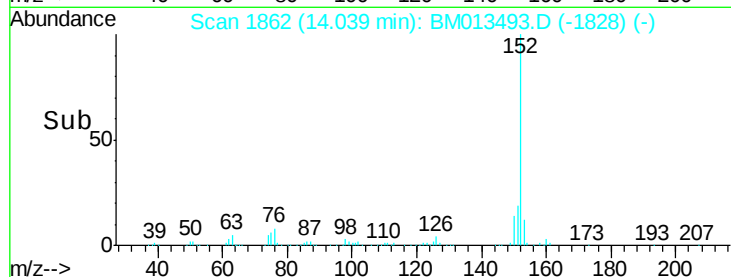
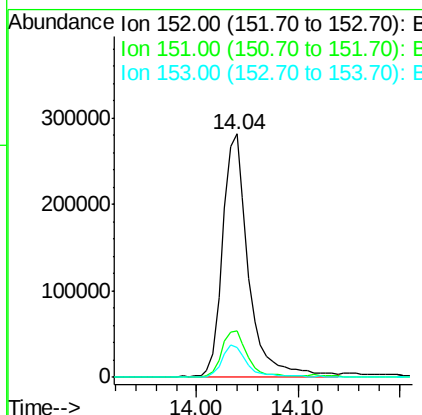
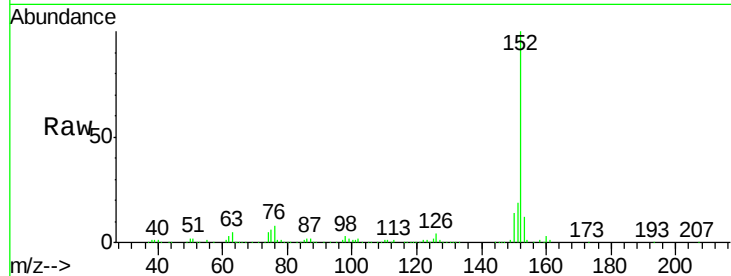
#47
Acenaphthylene
Concen: 8.276 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BM013493.D
Acq: 18 Dec 2017 11:49

Instrument :
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ClientSampleId :
F9A55ME

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.3	24.5
153	12.1	10.2	15.4

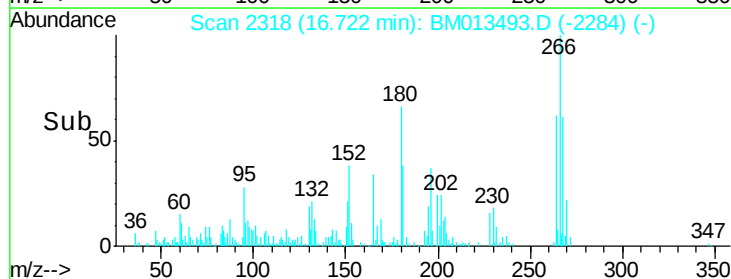
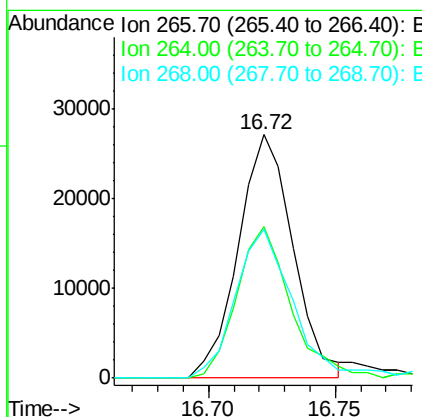
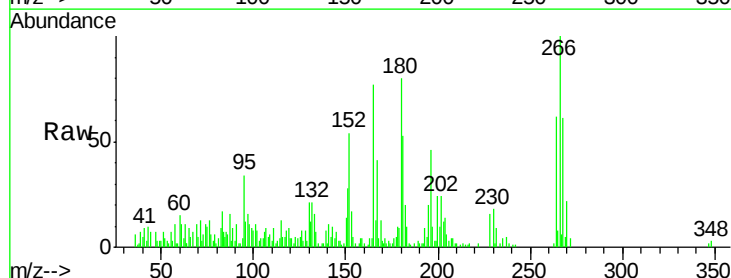
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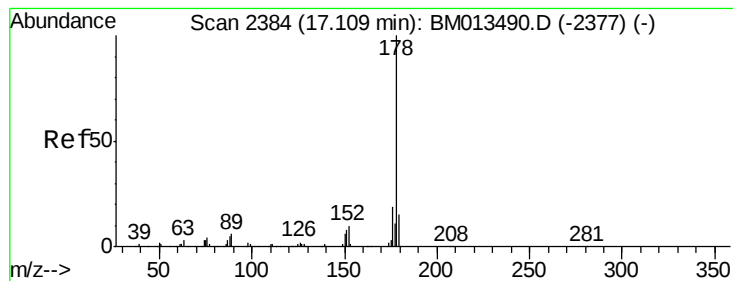
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#68
Pentachlorophenol
Concen: 4.357 ng/ul
RT: 16.72 min Scan# 2318
Delta R.T. 0.00 min
Lab File: BM013493.D
Acq: 18 Dec 2017 11:49

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.2	49.3	73.9
268	61.4	52.6	78.8





#69

Phenanthrene

Concen: 3.390 ng/ul

RT: 17.10 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BM013493.D

Acq: 18 Dec 2017 11:49

Instrument :

BNA_M

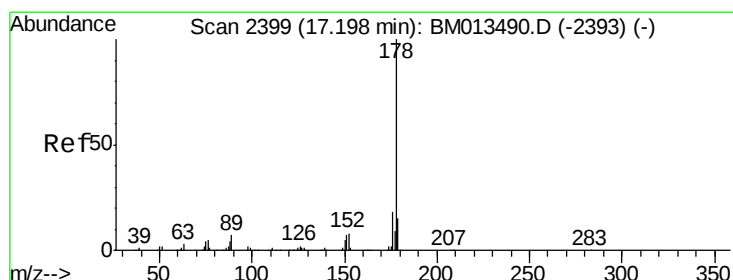
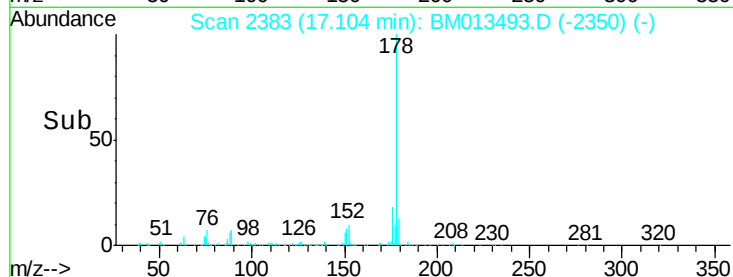
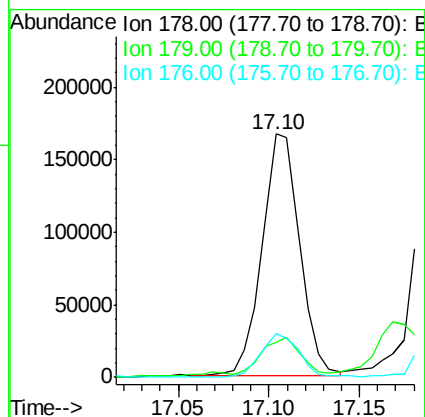
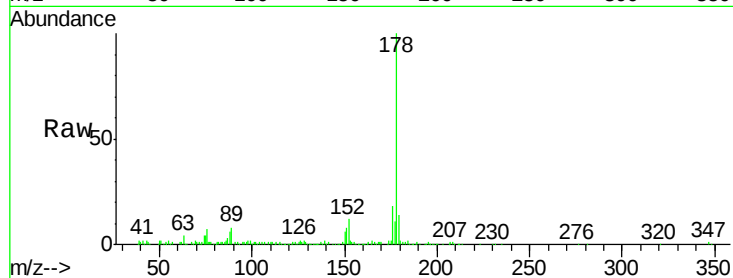
ClientSampleId :

F9A55ME

Tgt Ion:	178	Resp:	240630
Ion Ratio	Lower	Upper	
178	100		
179	14.2	12.6	19.0
176	18.3	14.9	22.3

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#71

Anthracene

Concen: 13.318 ng/ul

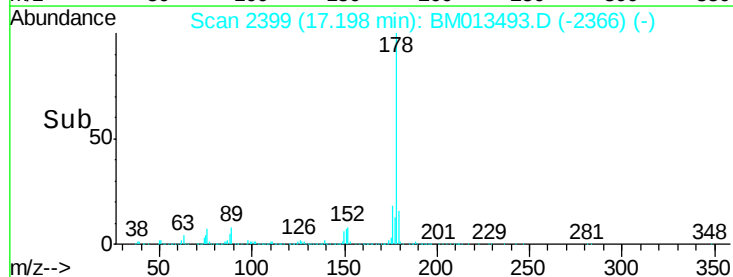
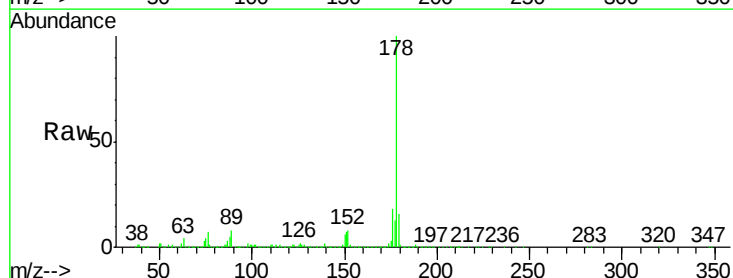
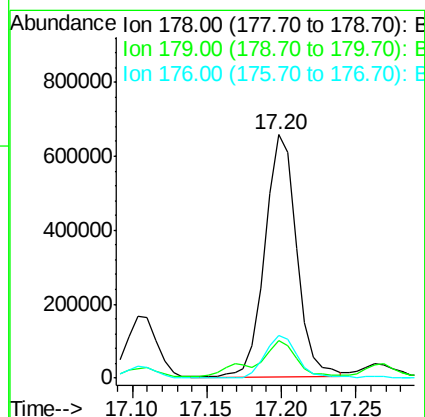
RT: 17.20 min Scan# 2399

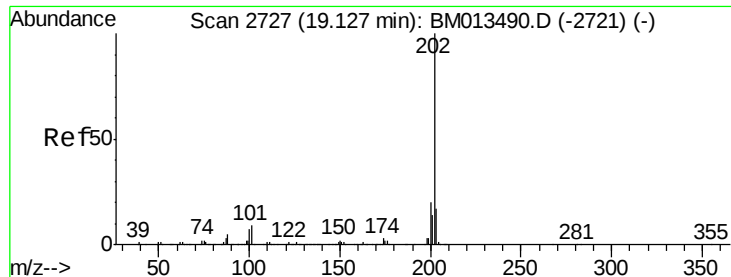
Delta R.T. -0.01 min

Lab File: BM013493.D

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Tgt Ion:	178	Resp:	966212
Ion Ratio	Lower	Upper	
178	100		
179	15.6	11.7	17.5
176	17.6	14.6	21.8





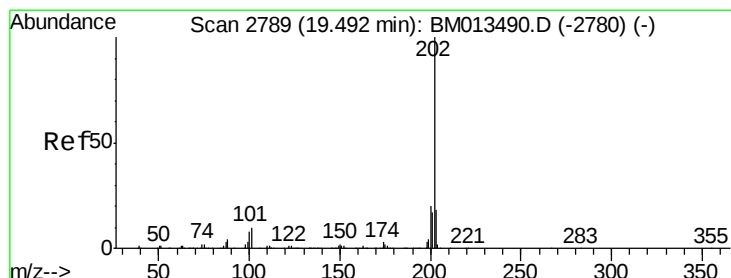
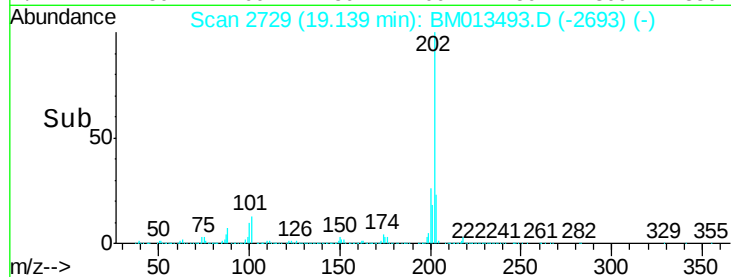
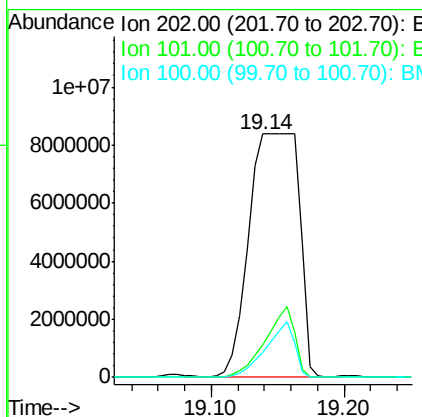
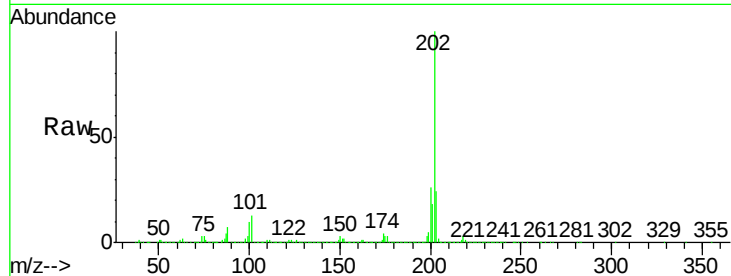
#74
 Fluoranthene
 Concen: 251.539 ng/ul m
 RT: 19.14 min Scan# 2729
 Delta R.T. 0.01 min
 Lab File: BM013493.D
 Acq: 18 Dec 2017 11:49

Instrument :
 BNA_M
 ClientSampleId :
 F9A55ME

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	4.6	7.0#
100	10.1	3.4	5.2#

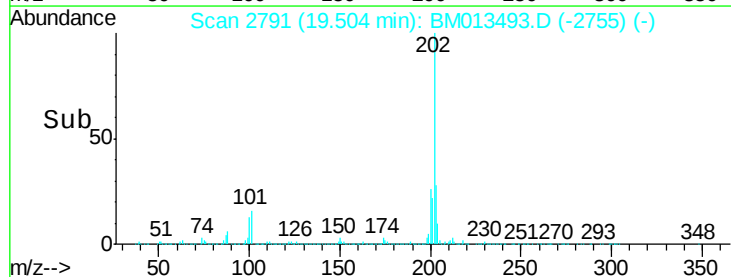
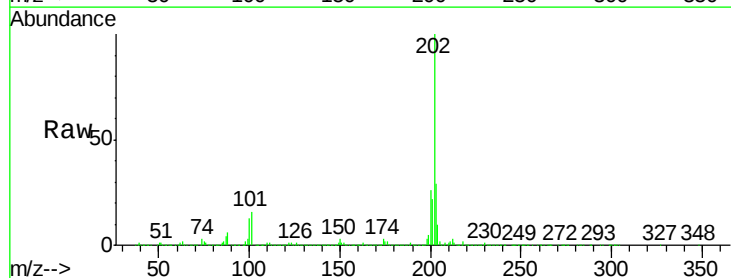
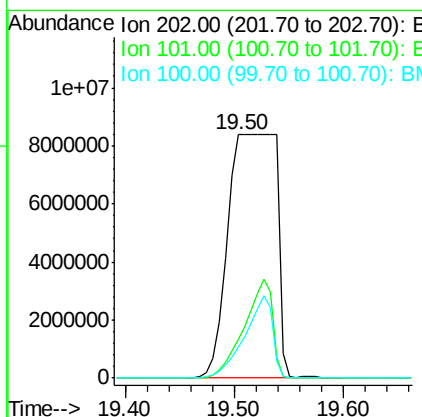
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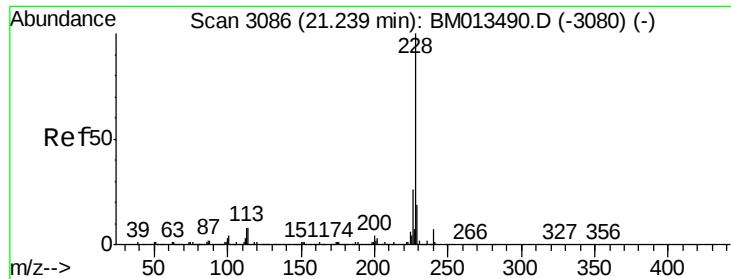
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#77
 Pyrene
 Concen: 447.773 ng/ul m
 RT: 19.50 min Scan# 2791
 Delta R.T. 0.01 min
 Lab File: BM013493.D
 Acq: 18 Dec 2017 11:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.8	5.1	7.7#
100	12.6	4.9	7.3#





#80

Benzo(a)anthracene

Concen: 128.551 ng/ul

RT: 21.25 min Scan# 3088

Delta R.T. 0.01 min

Lab File: BM013493.D

Acq: 18 Dec 2017 11:49

Instrument :

BNA_M

ClientSampled :

F9A55ME

Tgt Ion:228 Resp: 7806869

Ion Ratio Lower Upper

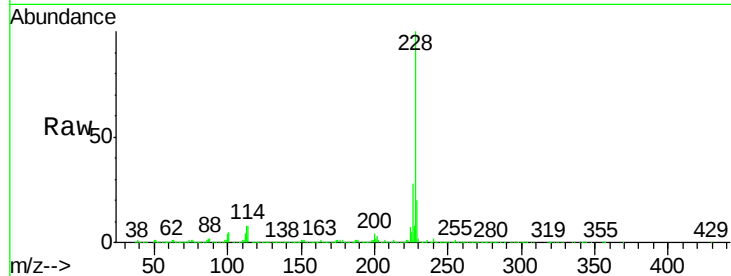
228 100

229 20.3 15.4 23.0

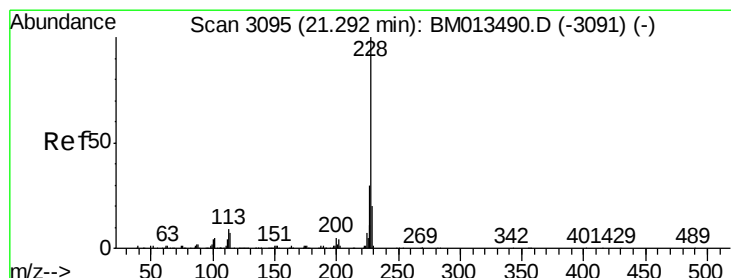
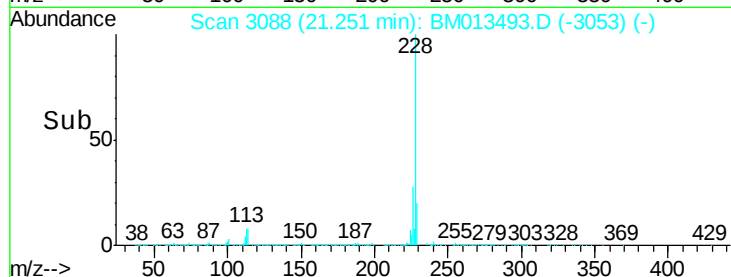
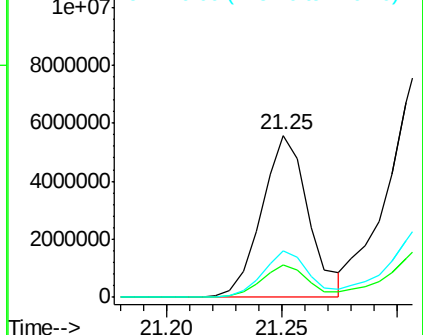
226 28.4 21.4 32.0

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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: 205.761 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BM013493.D

Acq: 18 Dec 2017 11:49

Tgt Ion:228 Resp:11593009

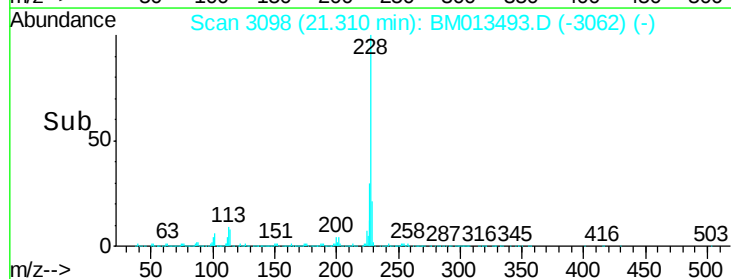
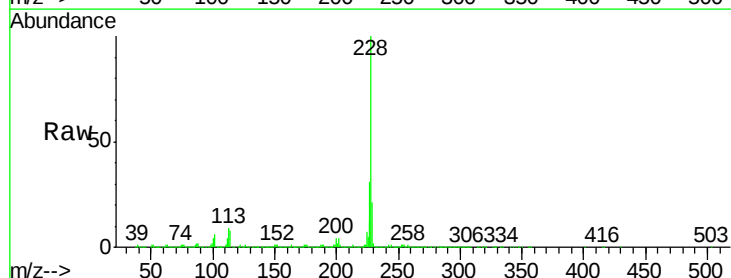
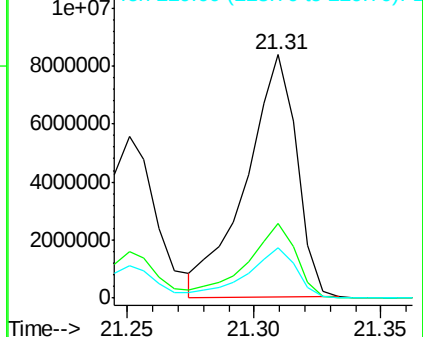
Ion Ratio Lower Upper

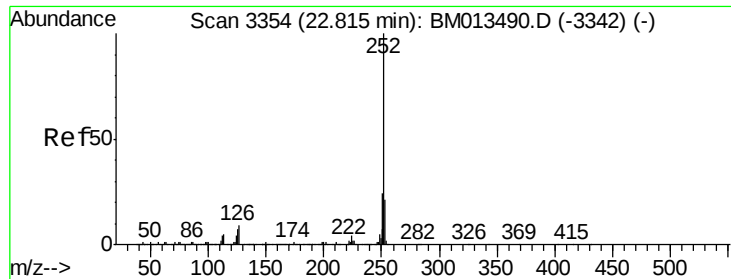
228 100

226 30.5 23.4 35.2

229 20.6 15.5 23.3

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: 112.800 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM013493.D

Acq: 18 Dec 2017 11:49

Instrument :

BNA_M

ClientSampleId :

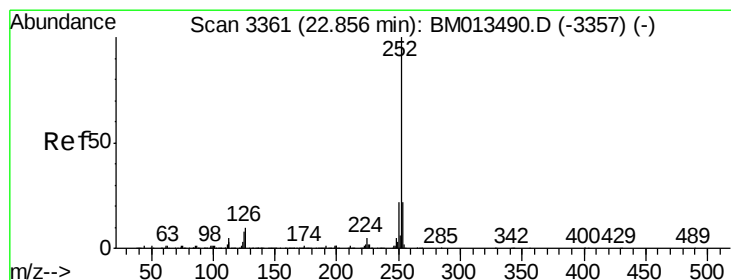
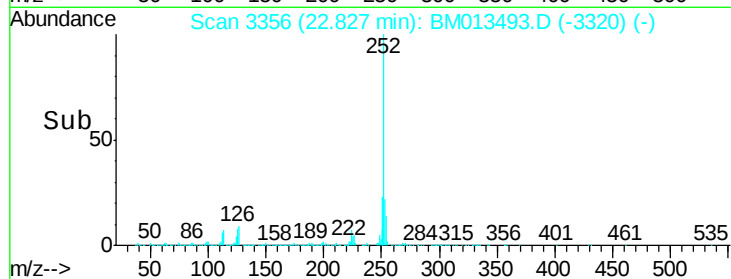
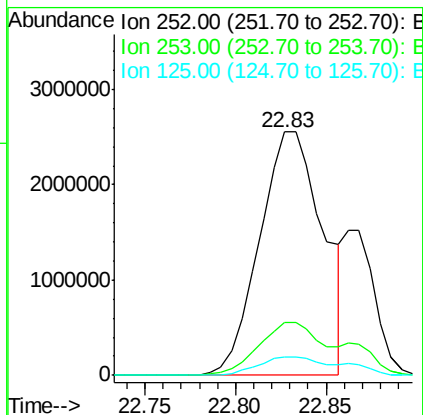
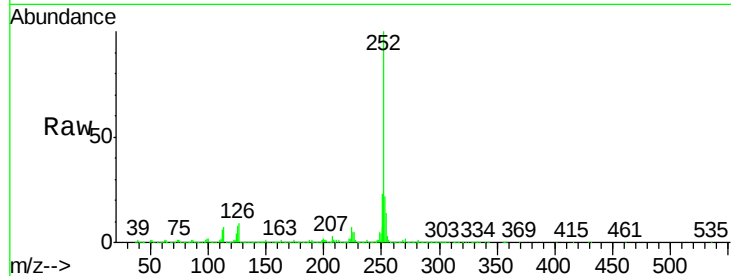
F9A55ME

Tgt Ion:252 Resp: 6218754

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	7.6	3.6	5.4#

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#86

Benzo(k)fluoranthene

Concen: 33.881 ng/ul m

RT: 22.86 min Scan# 3362

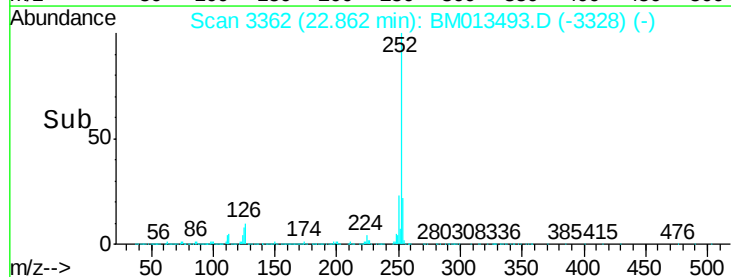
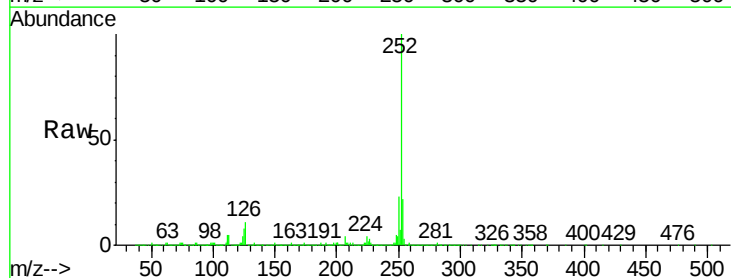
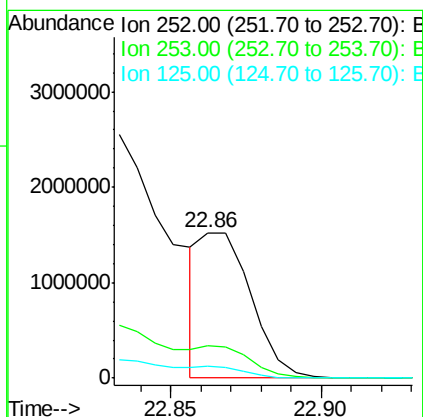
Delta R.T. 0.00 min

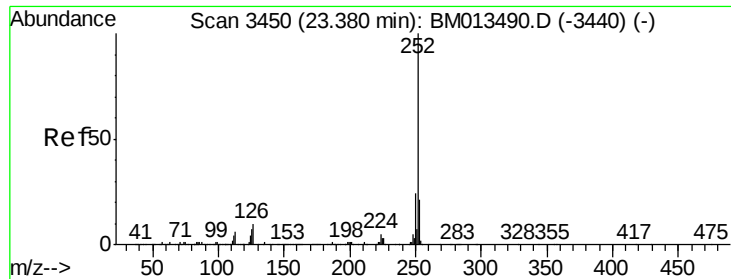
Lab File: BM013493.D

Acq: 18 Dec 2017 11:49

Tgt Ion:252 Resp: 1757819

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	7.8	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 39.715 ng/ul

RT: 23.39 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM013493.D

Acq: 18 Dec 2017 11:49

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:252 Resp: 1966838

Ion Ratio Lower Upper

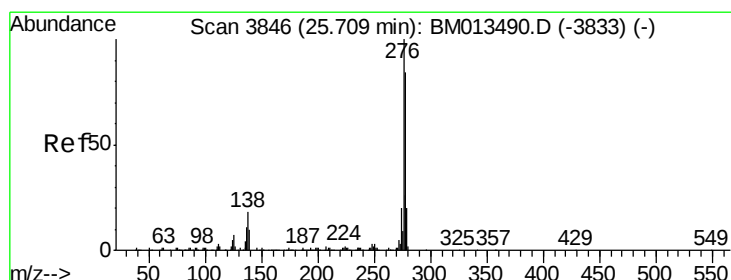
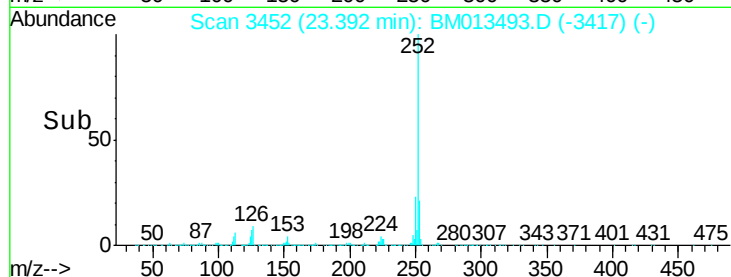
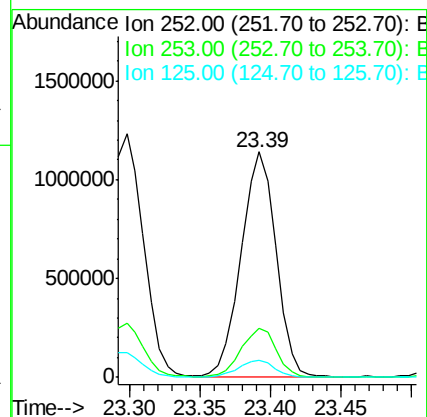
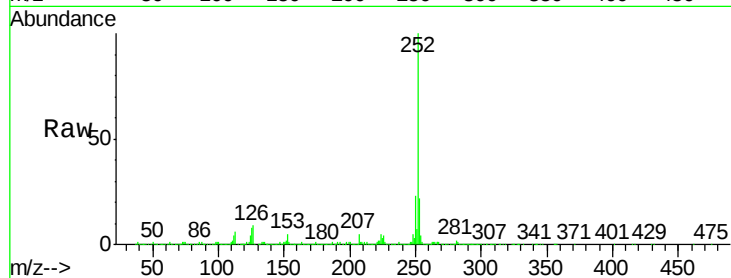
252 100

253 21.9 18.2 27.2

125 7.7 4.0 6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 20.455 ng/ul

RT: 25.71 min Scan# 3846

Delta R.T. -0.01 min

Lab File: BM013493.D

Acq: 18 Dec 2017 11:49

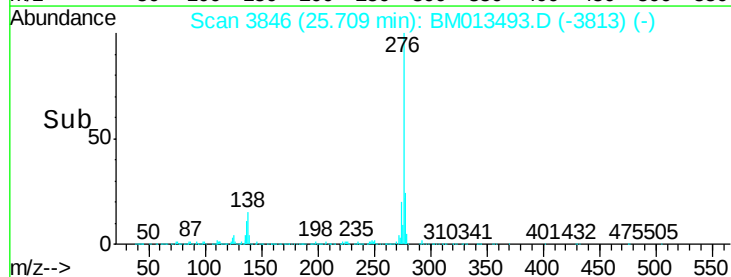
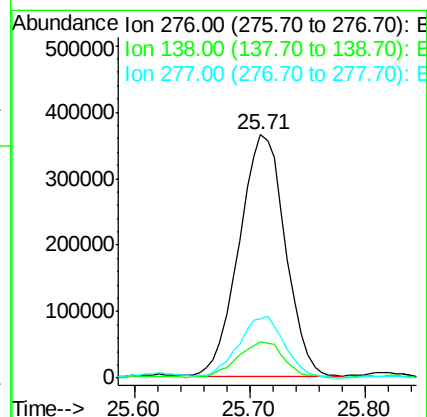
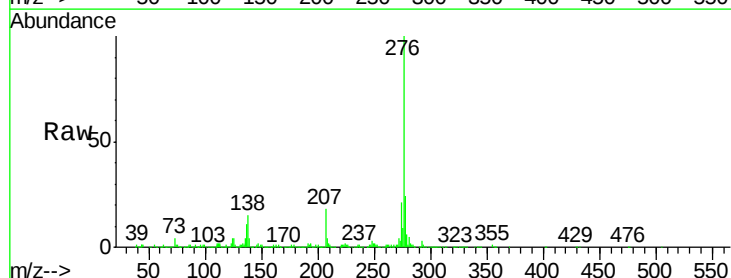
Tgt Ion:276 Resp: 1005115

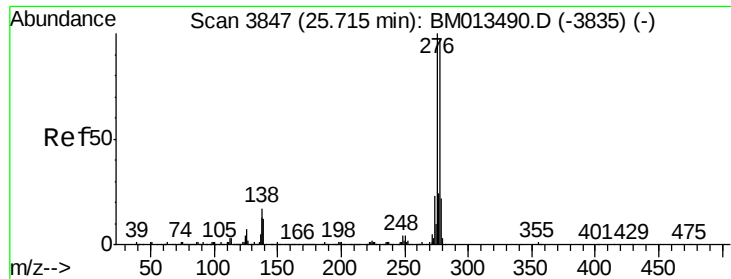
Ion Ratio Lower Upper

276 100

138 15.1 9.3 13.9#

277 24.3 19.9 29.9





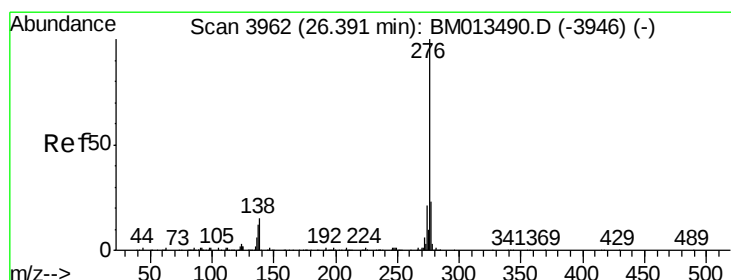
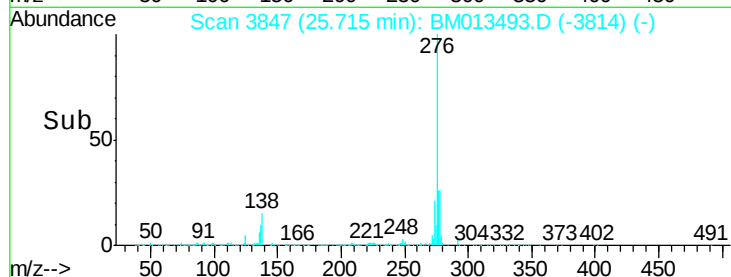
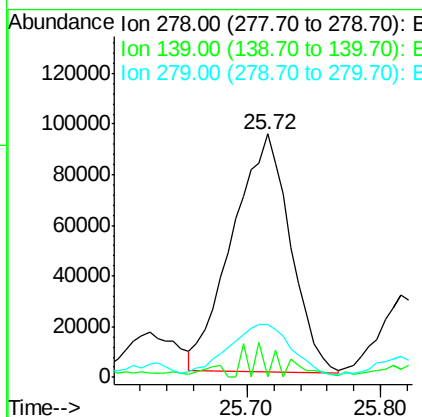
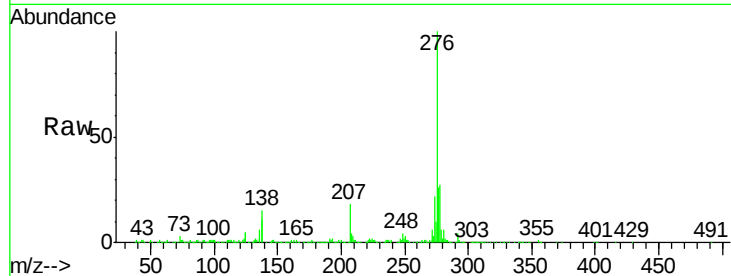
#90
Dibenzo(a,h)anthracene
Concen: 6.758 ng/ul
RT: 25.72 min Scan# 3847
Delta R.T. -0.01 min
Lab File: BM013493.D
Acq: 18 Dec 2017 11:49

Instrument :
BNA_M
ClientSampleId :
F9A55ME

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	21.7	18.6	27.8

Manual Integrations
APPROVED

Sohil
12/19/2017 4:56:15 PM



#91
Benzo(g,h,i)perylene
Concen: 17.466 ng/ul
RT: 26.39 min Scan# 3962
Delta R.T. -0.01 min
Lab File: BM013493.D
Acq: 18 Dec 2017 11:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.0	8.5	12.7#
277	23.6	18.6	28.0

