

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121917\
 Data File : BM013517.D
 Acq On : 19 Dec 2017 17:40
 Operator : SJ/JU
 Sample : I6776-06MEDL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A58MEDL

Manual Integrations
 APPROVED

Sohil
 12/20/2017 3:49:44 PM

Quant Time: Dec 20 05:50:59 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	139773	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	605717	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	360002	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	851323	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	787131	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	696553	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1725	0.61	ng/uL	0.00
5) Phenol-d5	6.86	99	38899	3.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	26026	3.77	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	34248	3.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	35233	3.41	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	19313	4.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	18057	3.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	34039	3.21	ng/ul	0.01
29) 4-Chloroaniline-d4	10.60	131	46954m	4.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	129922	4.06	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	153134	3.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	5223	0.94	ng/ul	0.04
57) Fluorene-d10	15.31	176	116340	4.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	3161	0.59	ng/ul	0.00
70) Anthracene-d10	17.16	188	174685	4.10	ng/ul	0.00
76) Pyrene-d10	19.46	212	181812	4.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	132559	3.74	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.50	128	276504	8.87	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	87171	3.72	ng/ul	93
40) 1,1'-Biphenyl	13.15	154	45845	1.51	ng/ul	91
49) Acenaphthene	14.38	153	320099	12.84	ng/ul	98
53) Dibenzofuran	14.72	168	313704	8.53	ng/ul	94
58) Fluorene	15.37	166	293248	9.63	ng/ul	99
69) Phenanthrene	17.11	178	1793596	37.08	ng/ul	99
71) Anthracene	17.20	178	187170	3.79	ng/ul	99
72) Carbazole	17.47	167	47446	1.12	ng/ul	97
74) Fluoranthene	19.13	202	1084437	18.30	ng/ul#	92
77) Pyrene	19.49	202	700577	14.65	ng/ul#	94
80) Benzo(a)anthracene	21.24	228	139350	2.79	ng/ul	98
82) Chrysene	21.29	228	111854	2.41	ng/ul	96
85) Benzo(b)fluoranthene	22.82	252	63132	1.34	ng/ul#	93

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

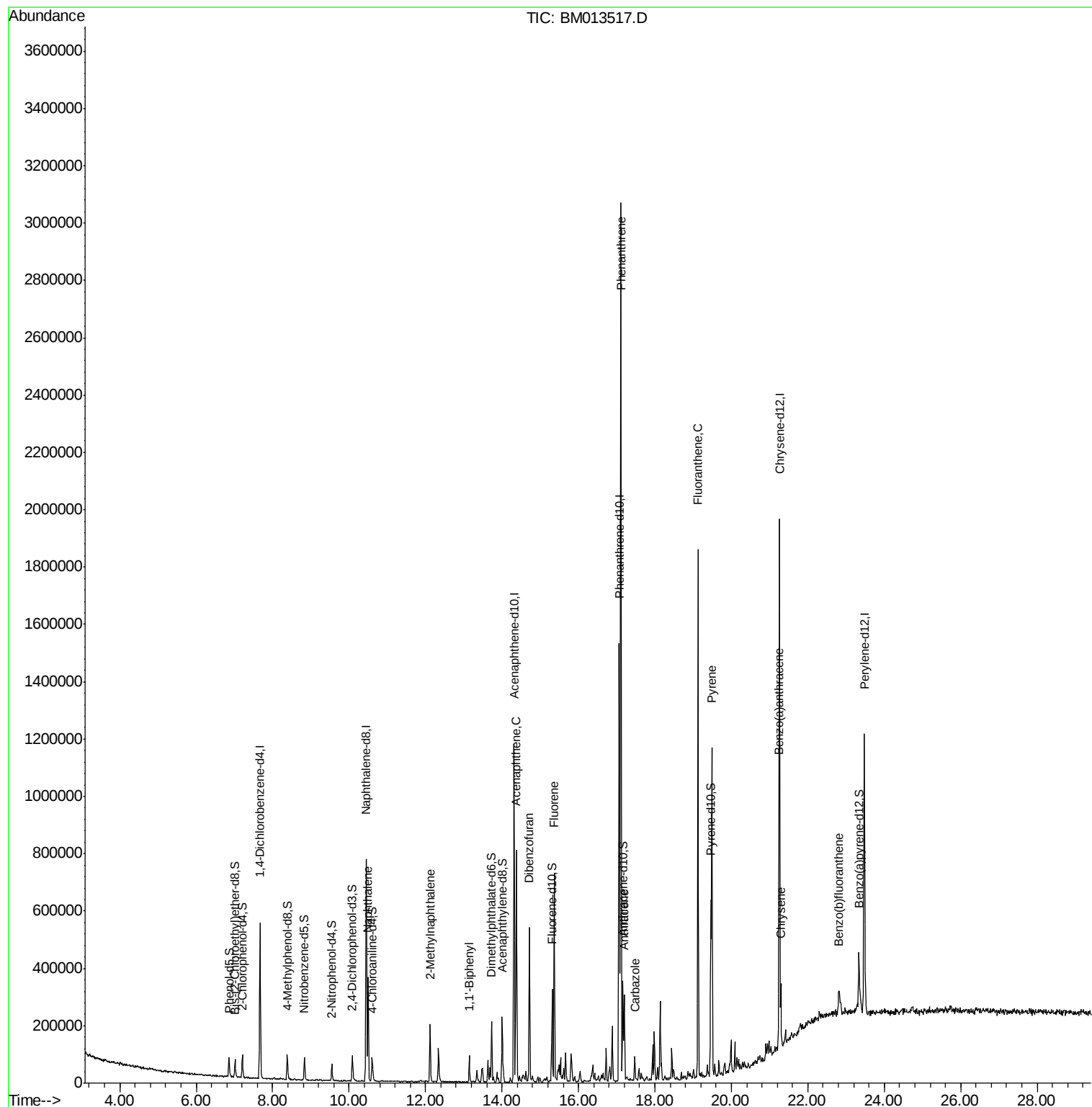
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121917\
Data File : BM013517.D
Acq On : 19 Dec 2017 17:40
Operator : SJ/JU
Sample : I6776-06MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

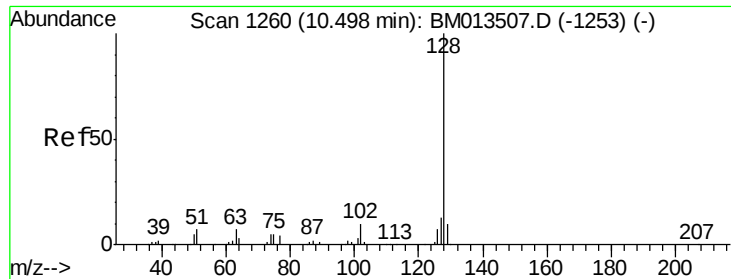
Instrument :
BNA_M
ClientSampleId :
F9A58MEDL

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Quant Time: Dec 20 05:50:59 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
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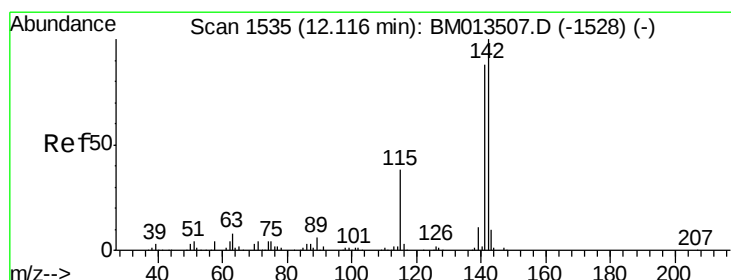
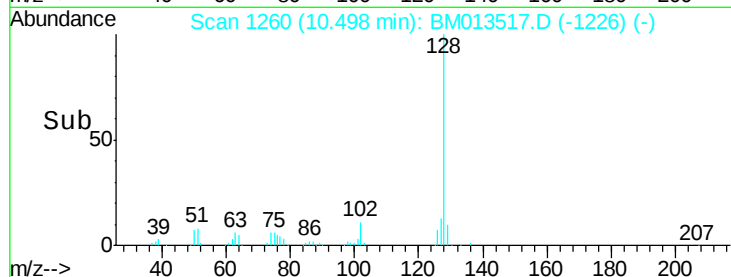
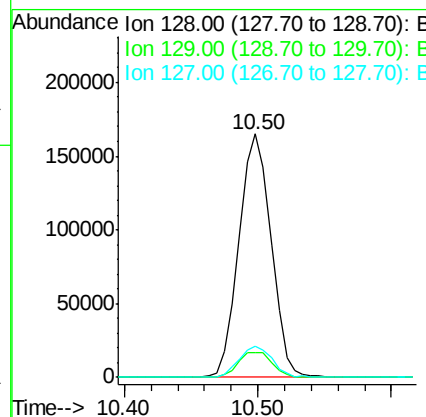
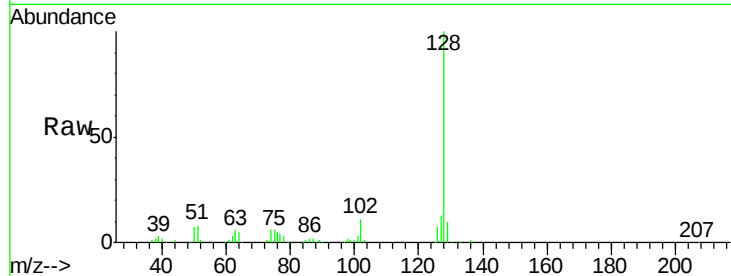
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Naphthalene
Concen: 8.87 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BM013517.D
Acq: 19 Dec 2017 17:40

Instrument :
BNA_M
ClientSampleId :
F9A58MEDL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	276504		
129	10.3		8.8	13.2
127	12.9		10.6	16.0

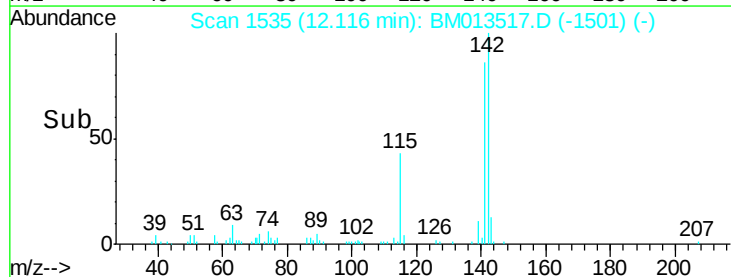
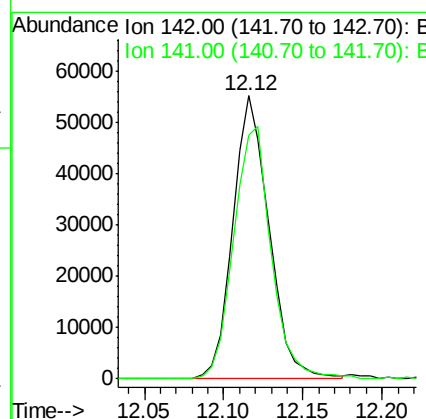
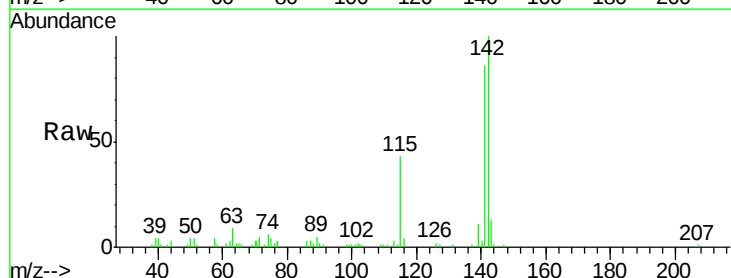
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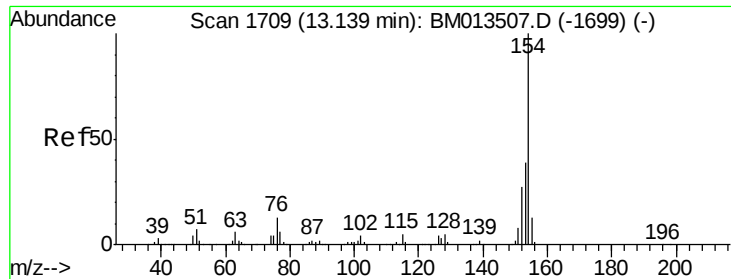
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#34
2-Methylnaphthalene
Concen: 3.72 ng/ul
RT: 12.12 min Scan# 1535
Delta R.T. -0.00 min
Lab File: BM013517.D
Acq: 19 Dec 2017 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	87171		
141	86.0		74.1	111.1





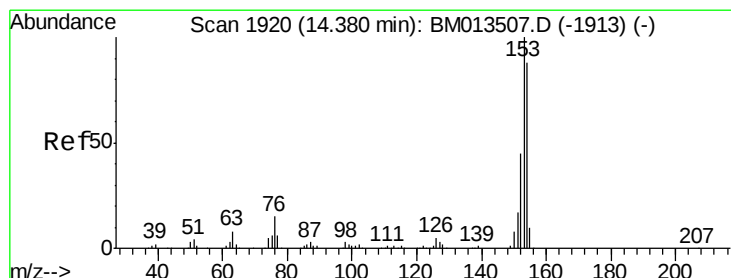
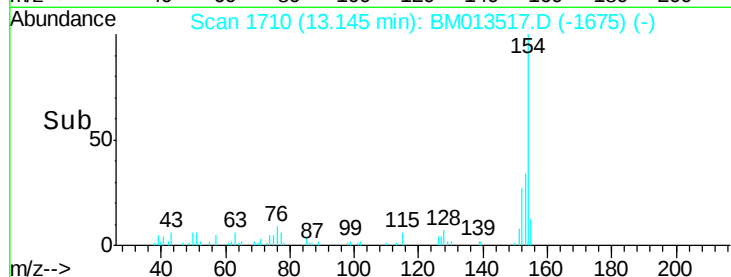
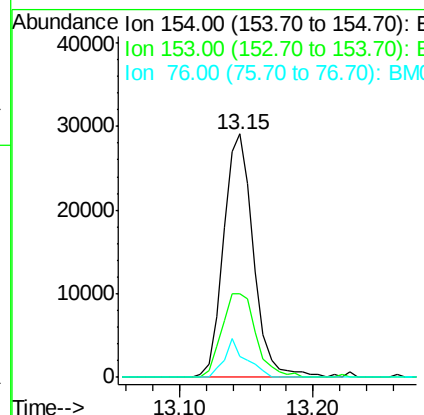
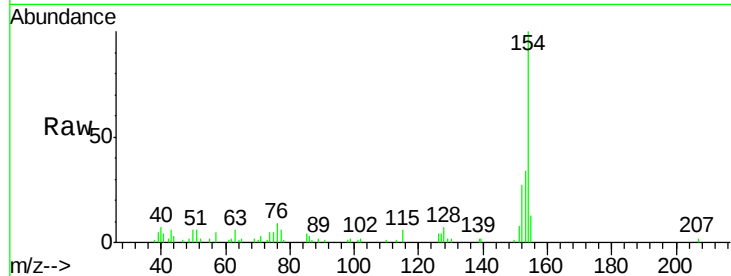
#40
1,1'-Biphenyl
Concen: 1.51 ng/ul
RT: 13.15 min Scan# 1710
Delta R.T. 0.01 min
Lab File: BM013517.D
Acq: 19 Dec 2017 17:40

Instrument :
BNA_M
ClientSampleId :
F9A58MEDL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	34.3	32.6	48.8
76	8.5	8.5	12.7

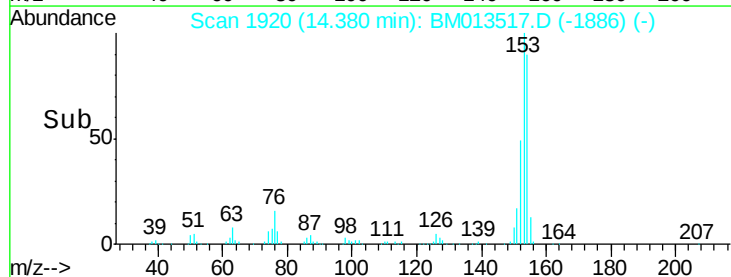
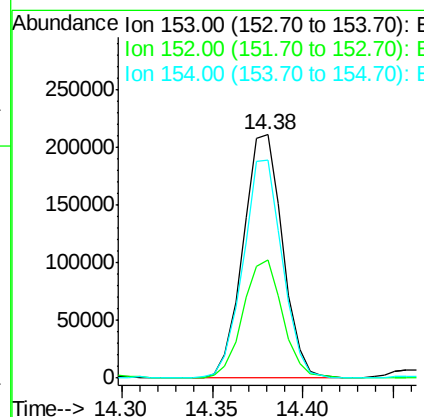
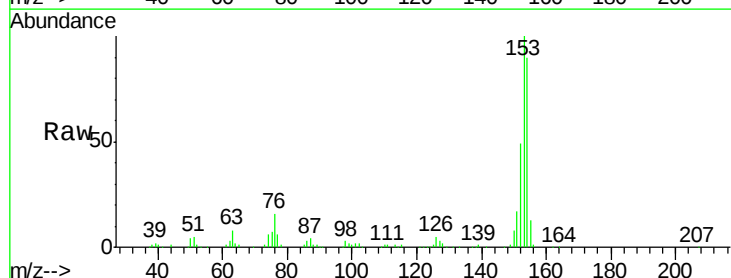
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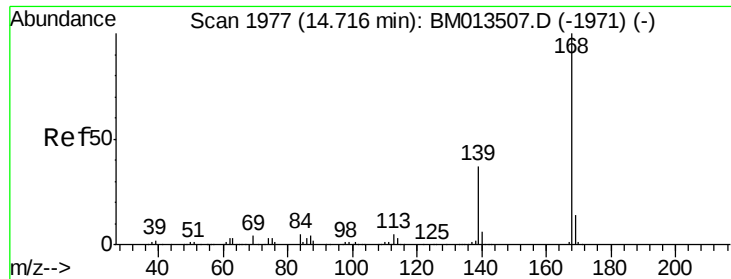
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#49
Acenaphthene
Concen: 12.84 ng/ul
RT: 14.38 min Scan# 1920
Delta R.T. -0.00 min
Lab File: BM013517.D
Acq: 19 Dec 2017 17:40

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.8	37.6	56.4
154	89.7	70.4	105.6





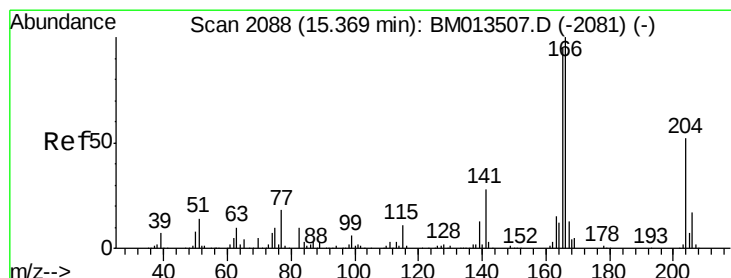
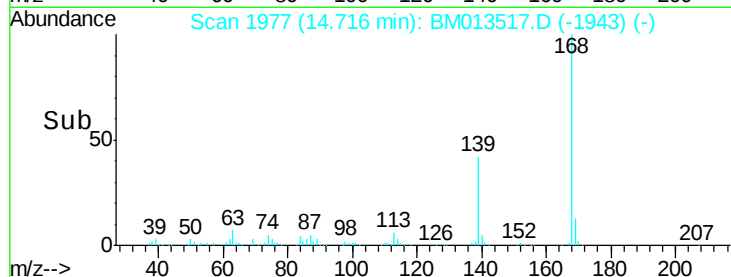
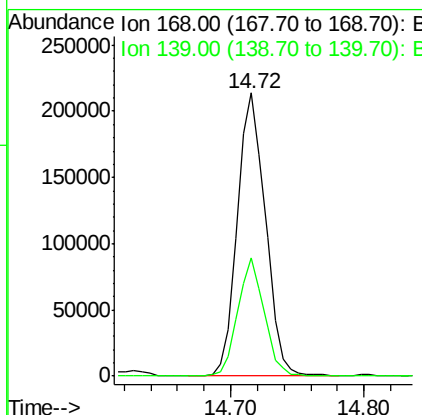
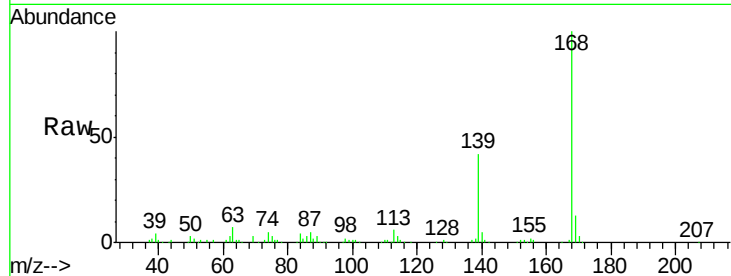
#53
Dibenzenofuran
Concen: 8.53 ng/ul
RT: 14.72 min Scan# 1977
Delta R.T. -0.00 min
Lab File: BM013517.D
Acq: 19 Dec 2017 17:40

Instrument :
BNA_M
ClientSampleId :
F9A58MEDL

Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.9	30.8	46.2

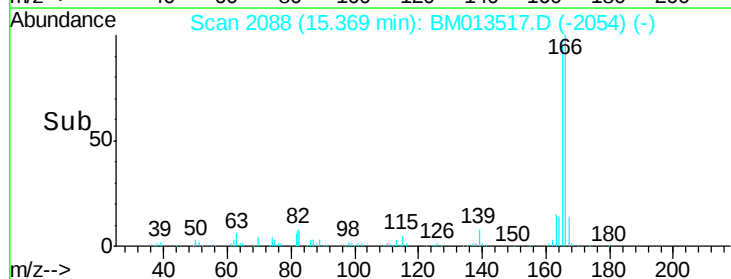
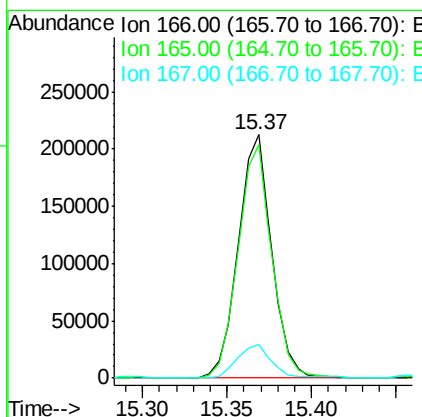
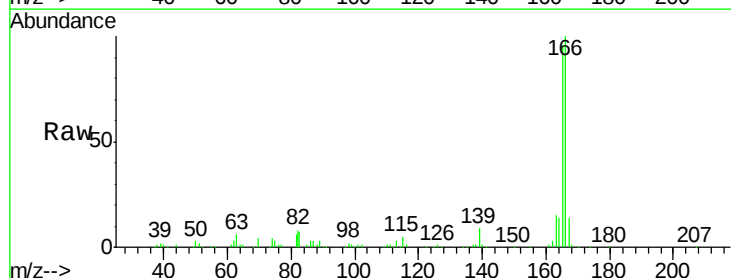
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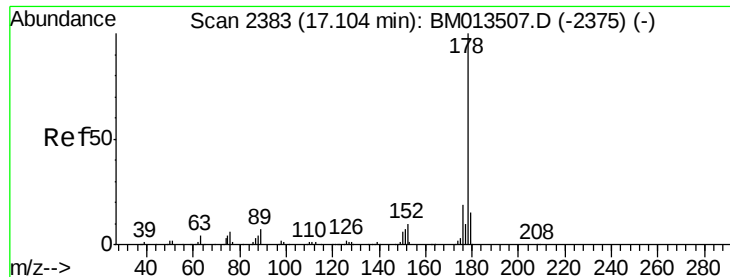
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#58
Fluorene
Concen: 9.63 ng/ul
RT: 15.37 min Scan# 2088
Delta R.T. -0.00 min
Lab File: BM013517.D
Acq: 19 Dec 2017 17:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.1	77.9	116.9
167	14.0	10.6	16.0





#69

Phenanthrene

Concen: 37.08 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. 0.01 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

Instrument :

BNA_M

ClientSampleId :

F9A58MEDL

Tgt Ion:178 Resp: 1793596

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

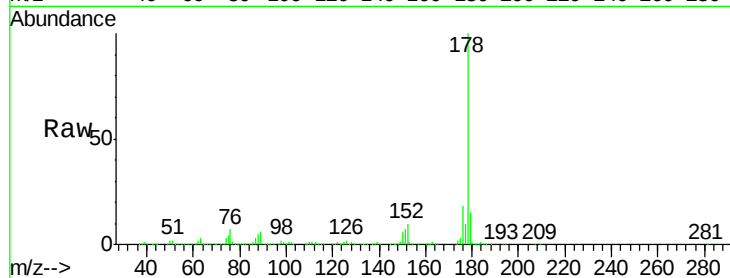
176 17.8 14.9 22.3

Manual Integrations

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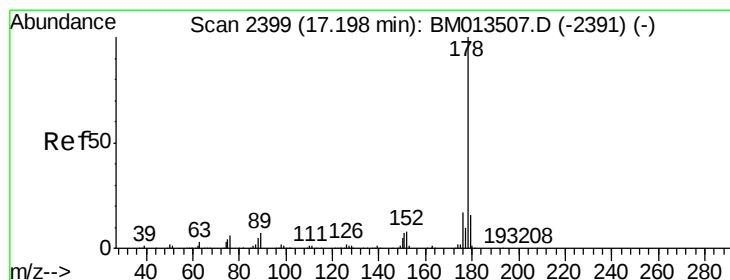
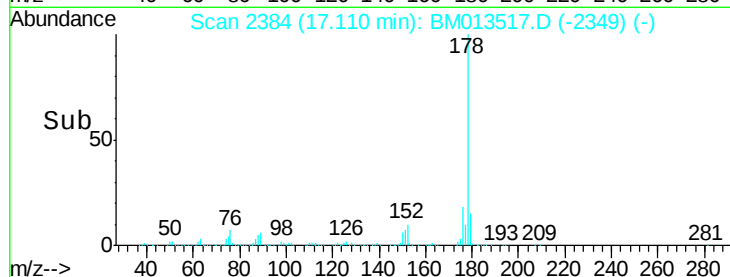
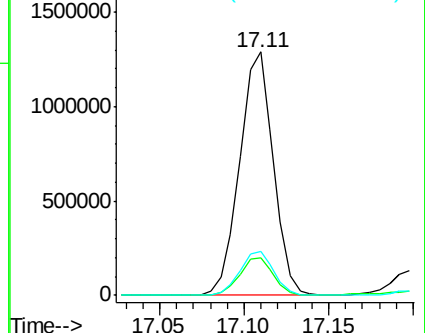
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 3.79 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

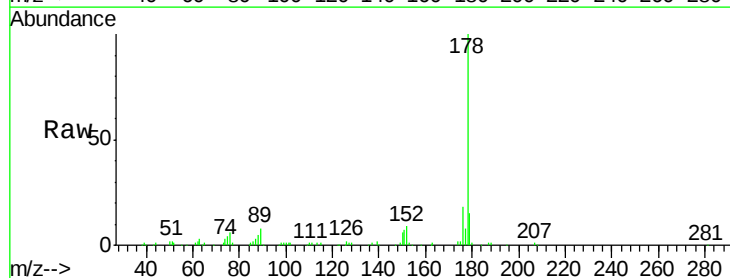
Tgt Ion:178 Resp: 187170

Ion Ratio Lower Upper

178 100

179 15.4 11.7 17.5

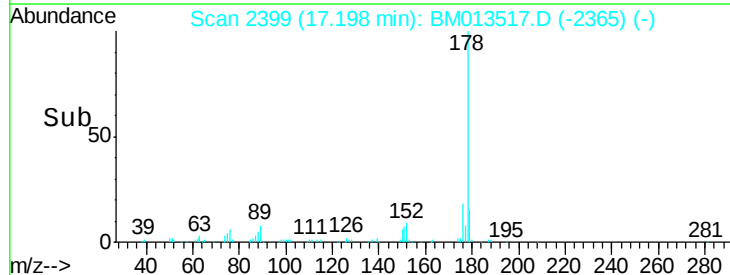
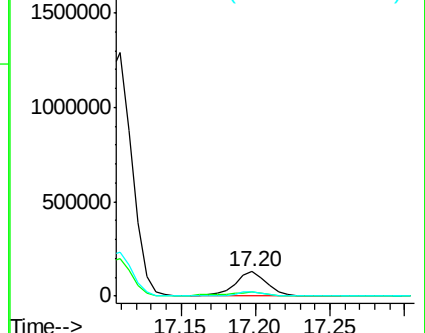
176 18.2 14.6 21.8

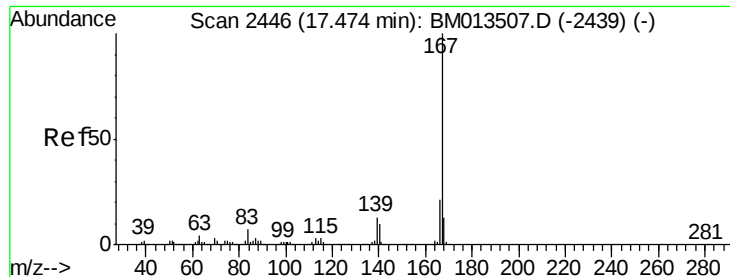


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.12 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

Instrument :

BNA_M

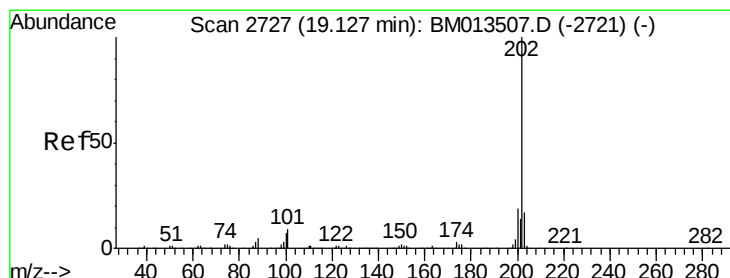
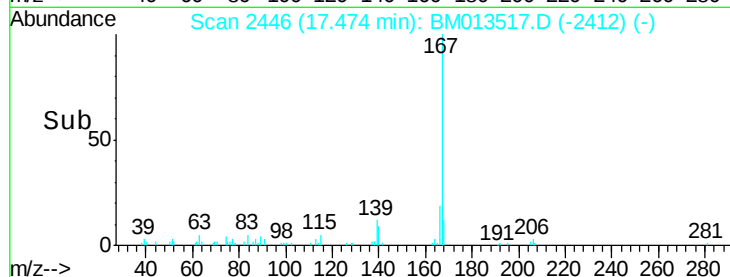
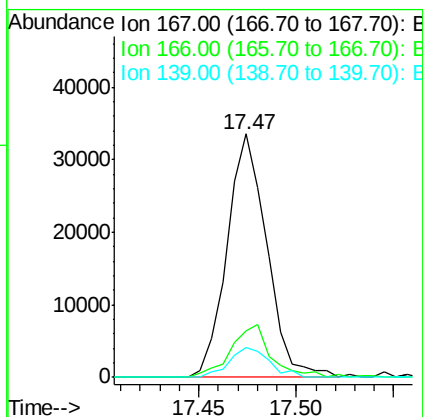
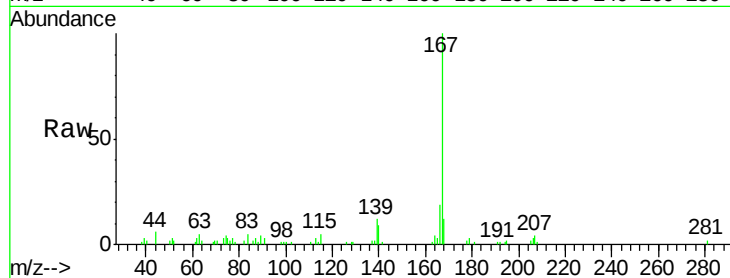
ClientSampleId :

F9A58MEDL

Tgt Ion:	167	Resp:	47446
Ion Ratio	Lower	Upper	
167	100		
166	19.3	17.1	25.7
139	12.0	10.0	15.0

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#74

Fluoranthene

Concen: 18.30 ng/ul

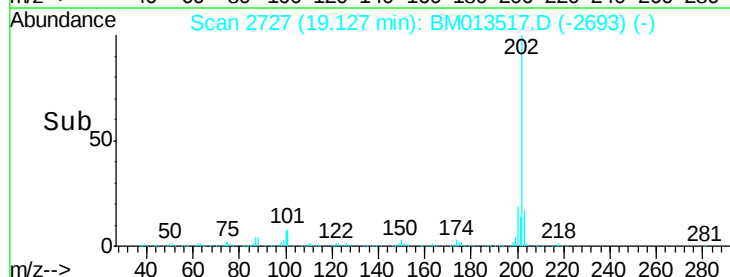
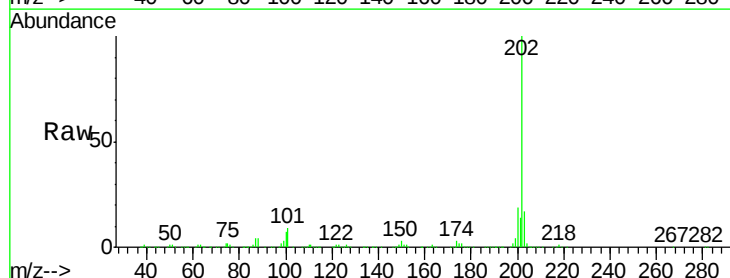
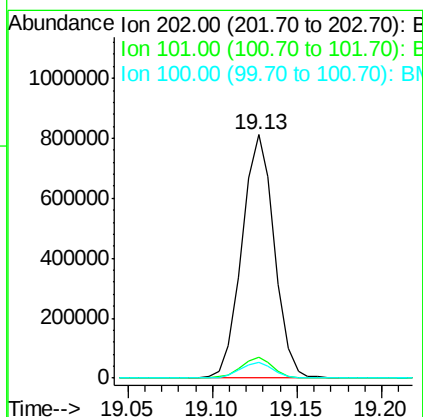
RT: 19.13 min Scan# 2727

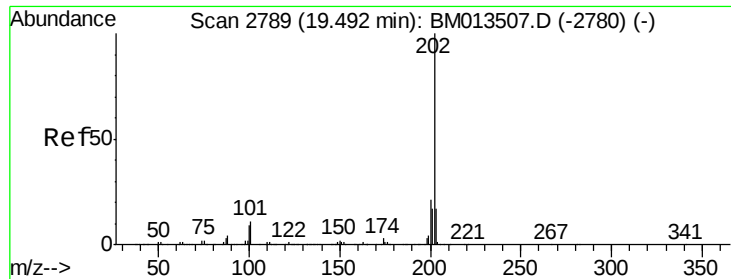
Delta R.T. -0.00 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

Tgt Ion:	202	Resp:	1084437
Ion Ratio	Lower	Upper	
202	100		
101	8.6	4.6	7.0#
100	6.7	3.4	5.2#





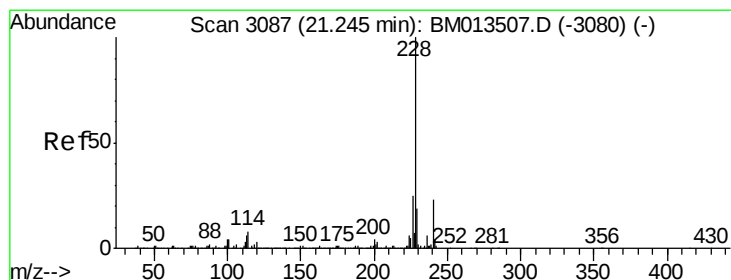
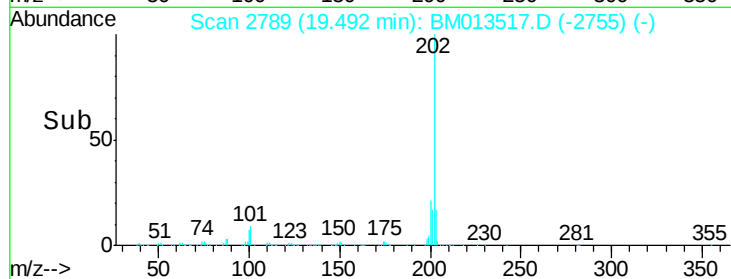
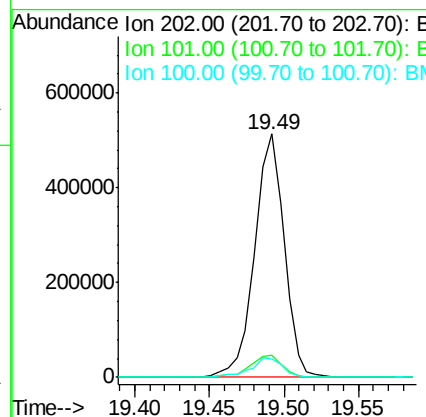
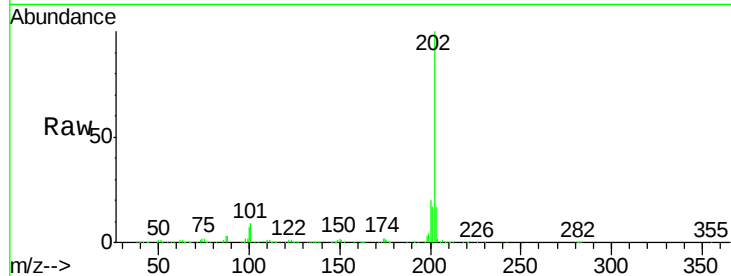
#77
 Pyrene
 Concen: 14.65 ng/ul
 RT: 19.49 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: BM013517.D
 Acq: 19 Dec 2017 17:40

Instrument :
 BNA_M
 ClientSampleId :
 F9A58MEDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.4	5.1	7.7#
100	7.3	4.9	7.3

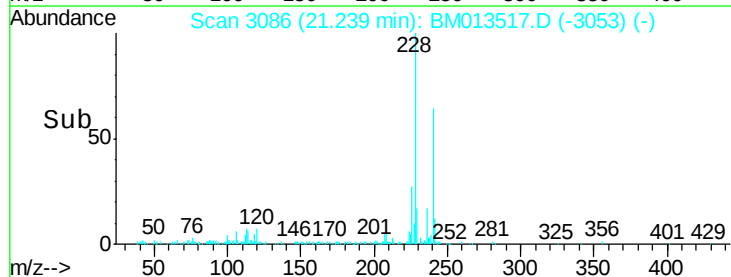
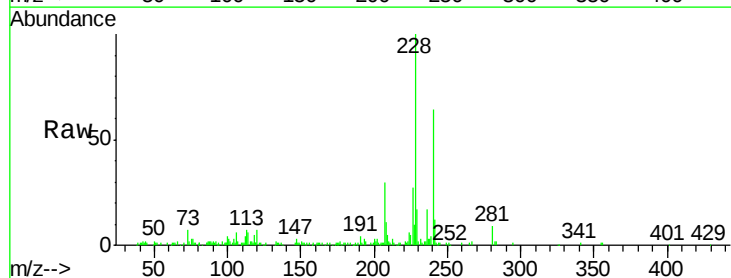
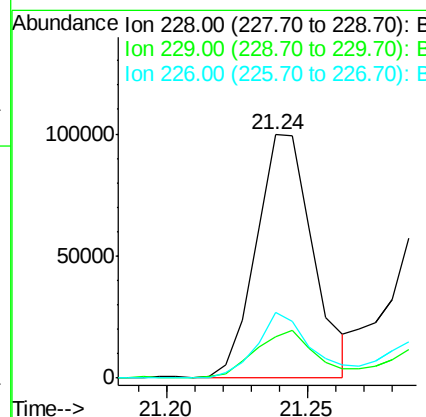
Manual Integrations
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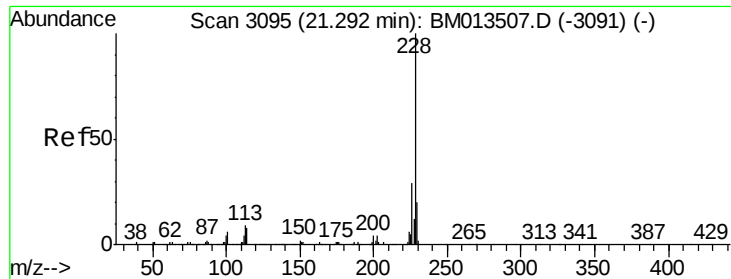
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#80
 Benzo(a)anthracene
 Concen: 2.79 ng/ul
 RT: 21.24 min Scan# 3086
 Delta R.T. -0.01 min
 Lab File: BM013517.D
 Acq: 19 Dec 2017 17:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	17.2	15.4	23.0
226	27.0	21.4	32.0





#82

Chrysene

Concen: 2.41 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

Instrument :

BNA_M

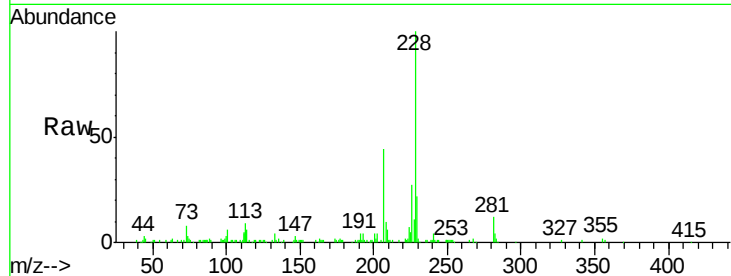
ClientSampleId :

F9A58MEDL

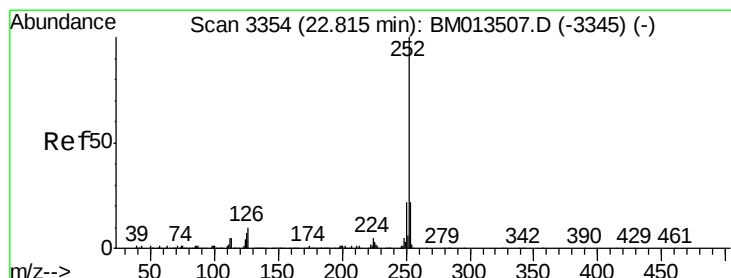
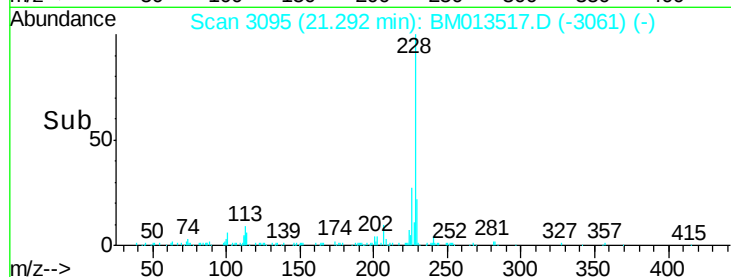
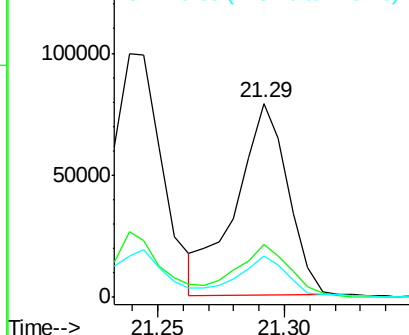
Tgt Ion:	228	Resp:	111854
Ion Ratio		Lower	Upper
228	100		
226	27.0	23.4	35.2
229	21.5	15.5	23.3

Manual Integrations
APPROVED

Sohil
12/20/2017 3:49:44 PM



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: 1.34 ng/ul

RT: 22.82 min Scan# 3354

Delta R.T. -0.00 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

Tgt Ion:	252	Resp:	63132
Ion Ratio		Lower	Upper
252	100		
253	24.9	17.9	26.9
125	9.7	3.6	5.4#

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

