

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121917\
 Data File : BM013509.D
 Acq On : 19 Dec 2017 11:59
 Operator : SJ/JU
 Sample : I6776-06ME
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A58ME

Manual Integrations
 APPROVED

Sohil
 12/20/2017 3:49:26 PM

Quant Time: Dec 20 03:30:37 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	135369	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	591493	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	374162	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	898829	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	921403	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	776937	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	8121m	2.97	ng/uL	0.00
5) Phenol-d5	6.85	99	210498	17.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.01	67	129643	19.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	161836	17.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	182679	18.26	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	94489	20.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	99854	19.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	185701	17.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	227156	23.89	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	637303	19.14	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	799502	19.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	72754	12.58	ng/ul	0.00
57) Fluorene-d10	15.31	176	576157	20.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	66058	11.68	ng/ul	0.00
70) Anthracene-d10	17.17	188	933708	20.74	ng/ul	0.00
76) Pyrene-d10	19.46	212	1037340	22.60	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	778723	19.68	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.50	128	1346980	44.262	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	434008	18.972	ng/ul	93
40) 1,1'-Biphenyl	13.14	154	214377	6.779	ng/ul	98
47) Acenaphthylene	14.04	152	53427	1.405	ng/ul#	94
49) Acenaphthene	14.38	153	1564932	60.417	ng/ul	99
53) Dibenzofuran	14.72	168	1524284	39.863	ng/ul	100
58) Fluorene	15.37	166	1462896	46.245	ng/ul	99
68) Pentachlorophenol	16.73	266	7253m	1.076	ng/ul	
69) Phenanthrene	17.12	178	9424411	184.560	ng/ul	100
71) Anthracene	17.20	178	995707	19.076	ng/ul	99
72) Carbazole	17.47	167	278023	6.193	ng/ul	97
74) Fluoranthene	19.13	202	6186237	98.857	ng/ul#	93
77) Pyrene	19.50	202	3966799	70.864	ng/ul#	92
80) Benzo(a)anthracene	21.24	228	776145	13.276	ng/ul	99
82) Chrysene	21.29	228	664911	12.259	ng/ul	98
85) Benzo(b)fluoranthene	22.81	252	373699	7.135	ng/ul#	96
86) Benzo(k)fluoranthene	22.86	252	113875	2.310	ng/ul#	98
88) Benzo(a)pyrene	23.38	252	177886	3.781	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.71	276	54175	1.161	ng/ul#	92
91) Benzo(g,h,i)perylene	26.39	276	42991	1.168	ng/ul#	95

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

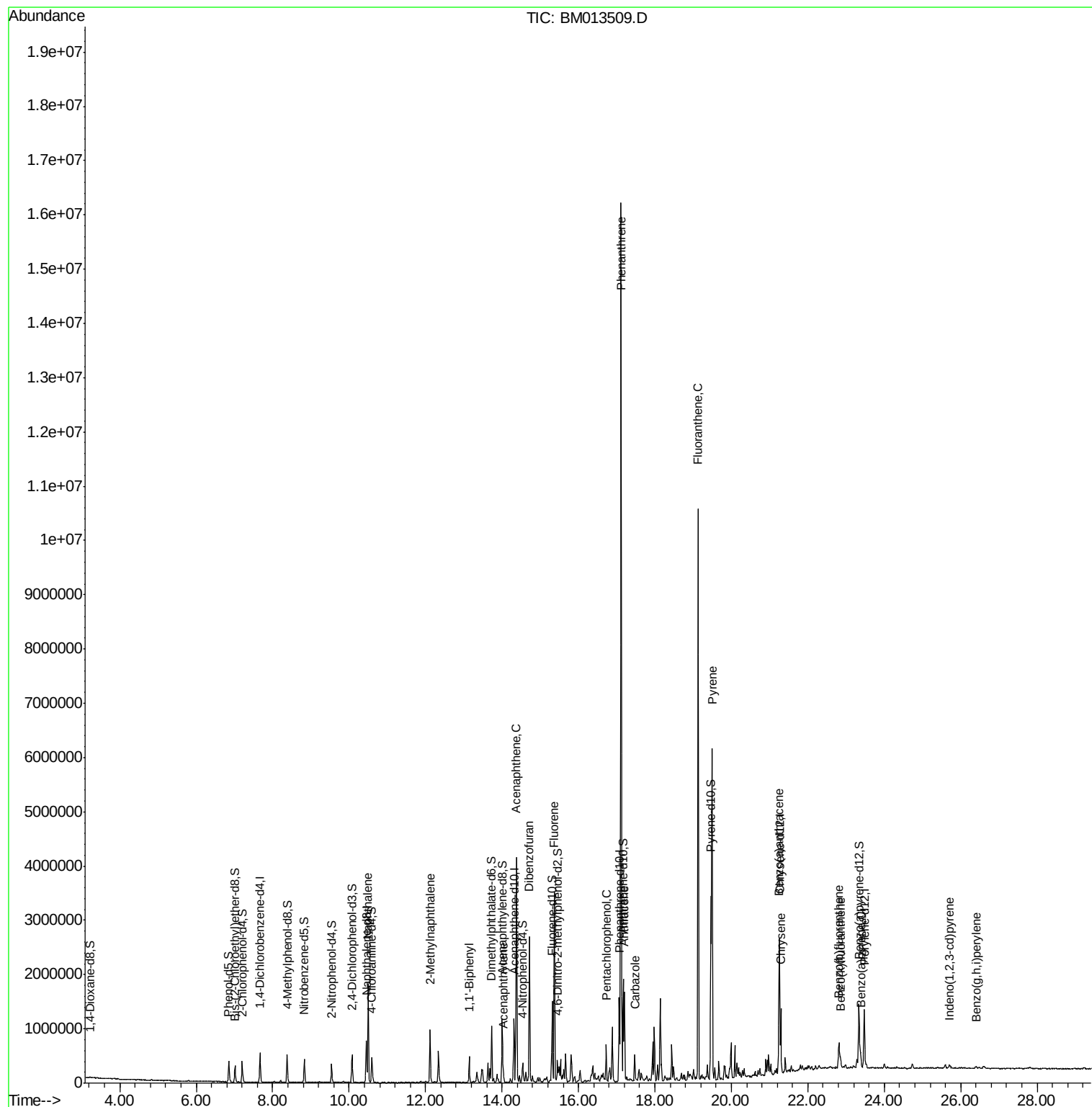
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

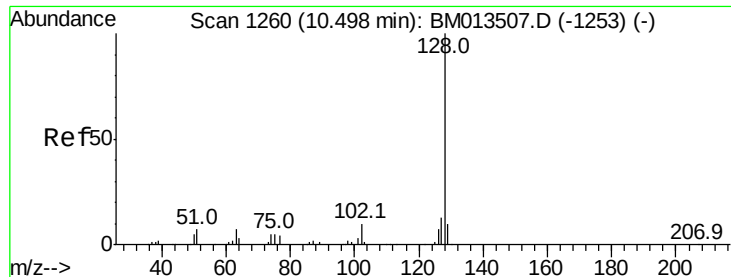
Instrument :
BNA_M
ClientSampleId :
F9A58ME

Manual Integrations
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Quant Time: Dec 20 03:30:37 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





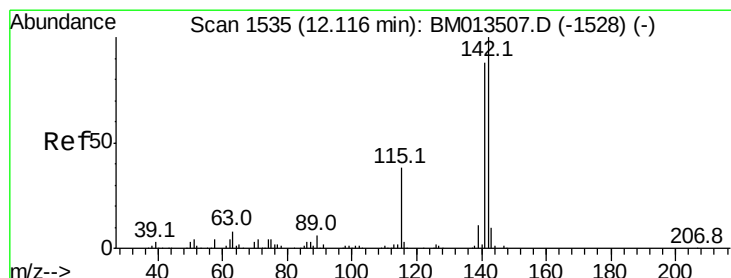
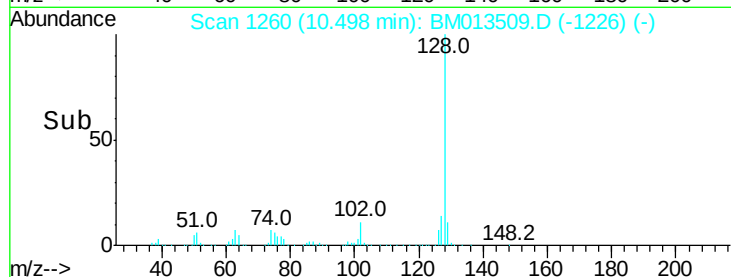
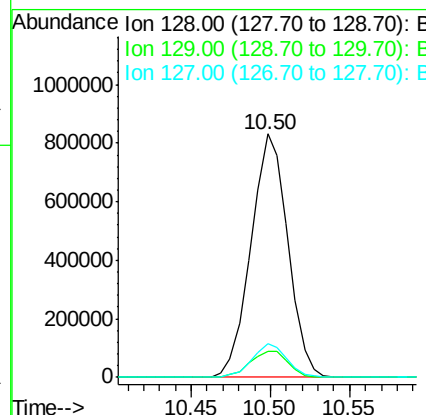
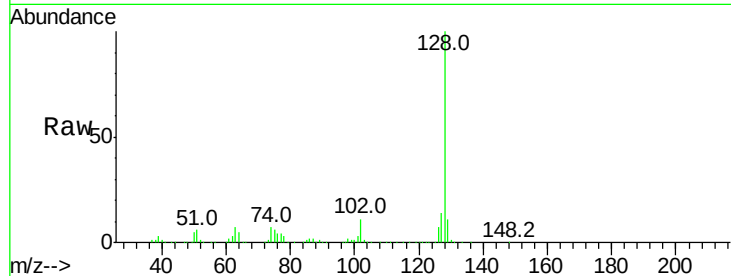
#28
Naphthalene
Concen: 44.262 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BM013509.D
Acq: 19 Dec 2017 11:59

Instrument :
BNA_M
ClientSampleId :
F9A58ME

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	14.0	10.6	16.0

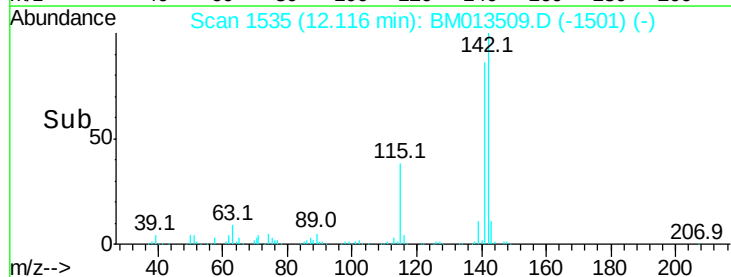
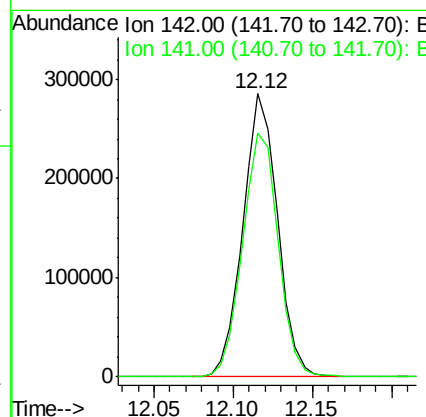
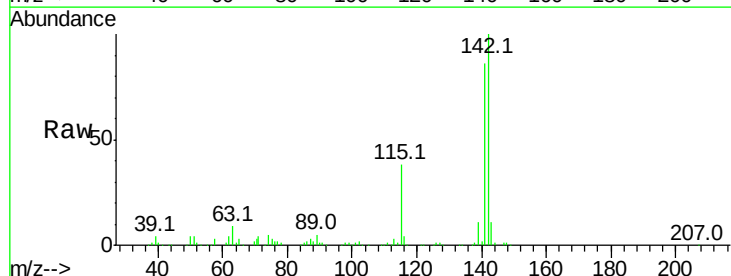
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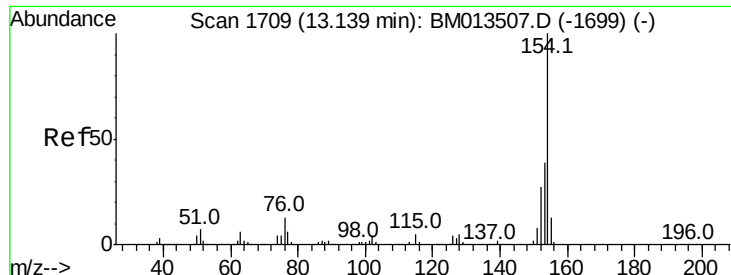
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#34
2-Methylnaphthalene
Concen: 18.972 ng/ul
RT: 12.12 min Scan# 1535
Delta R.T. -0.00 min
Lab File: BM013509.D
Acq: 19 Dec 2017 11:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.1	74.1	111.1





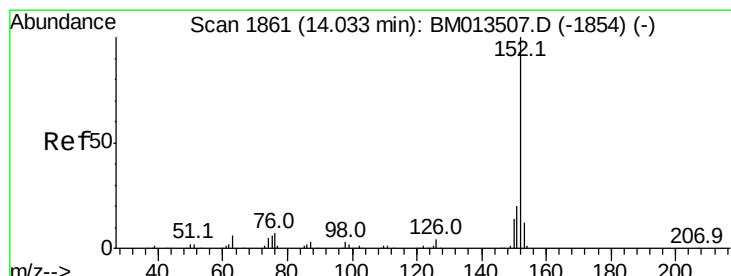
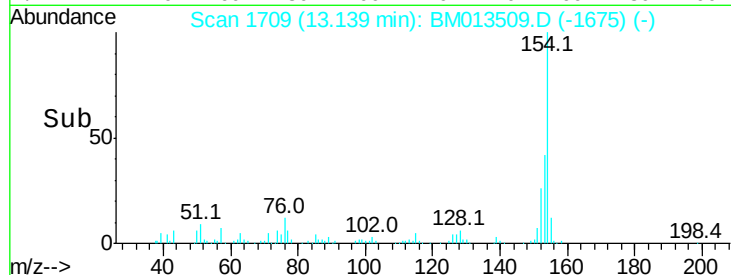
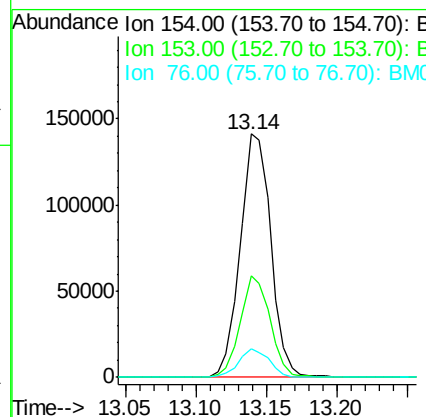
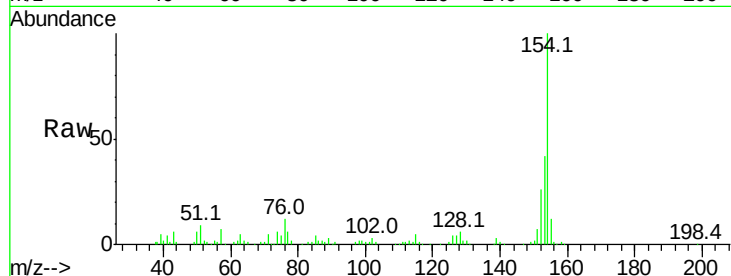
#40
 1,1'-Biphenyl
 Concen: 6.779 ng/ul
 RT: 13.14 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BM013509.D
 Acq: 19 Dec 2017 11:59

Instrument :
 BNA_M
 ClientSampleId :
 F9A58ME

Tot Ion	Ratio	Resp	Lower	Upper
154	100	214377		
153	41.9	32.6	48.8	
76	11.7	8.5	12.7	

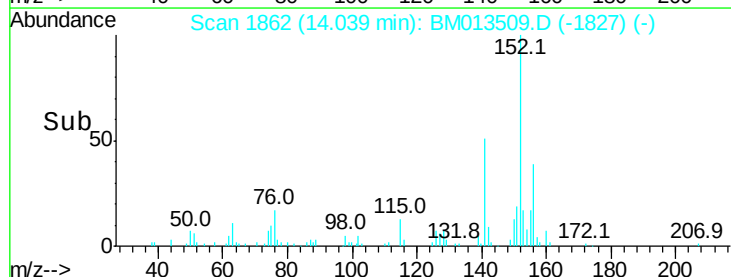
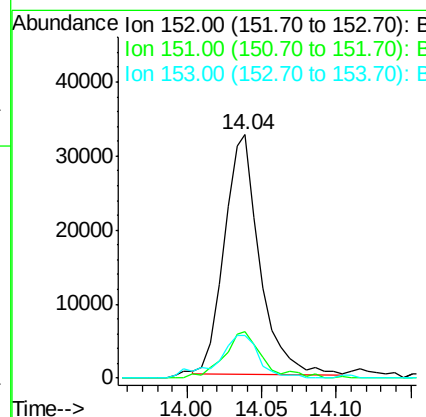
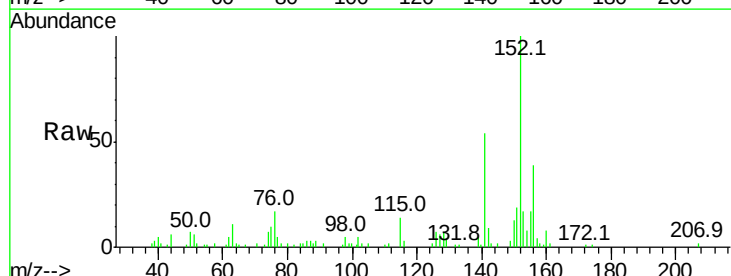
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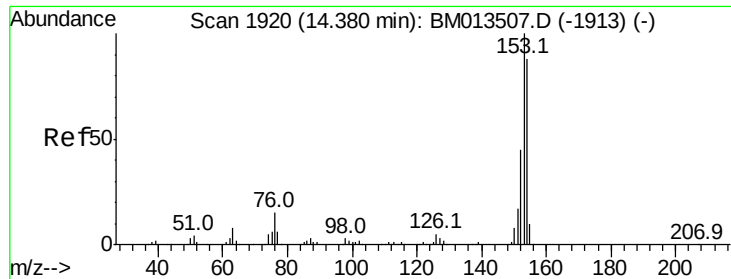
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#47
 Acenaphthylene
 Concen: 1.405 ng/ul
 RT: 14.04 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: BM013509.D
 Acq: 19 Dec 2017 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	53427		
151	19.3	16.3	24.5	
153	17.3	10.2	15.4#	





#49

Acenaphthene

Concen: 60.417 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013509.D

Acq: 19 Dec 2017 11:59

Instrument :

BNA_M

ClientSampleId :

F9A58ME

Tot Ion:153 Resp: 1564932

Ion Ratio Lower Upper

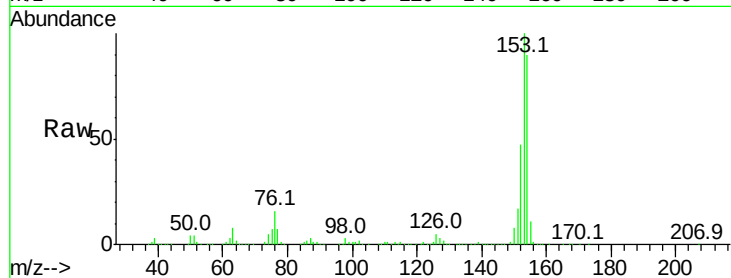
153 100

152 46.6 37.6 56.4

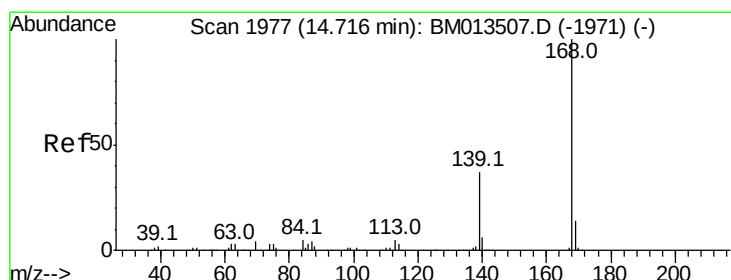
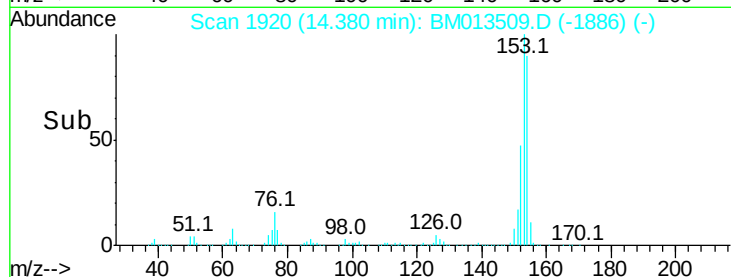
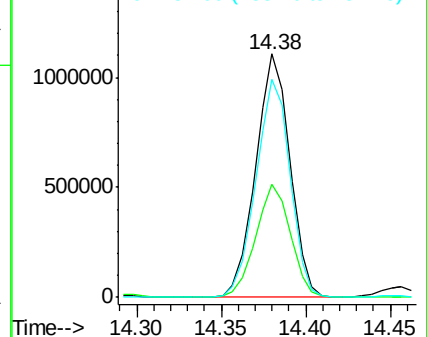
154 89.8 70.4 105.6

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 39.863 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BM013509.D

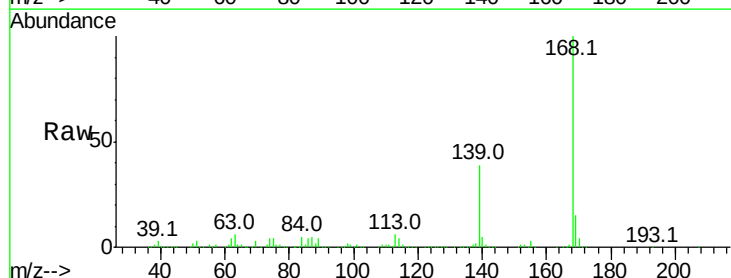
Acq: 19 Dec 2017 11:59

Tgt Ion:168 Resp: 1524284

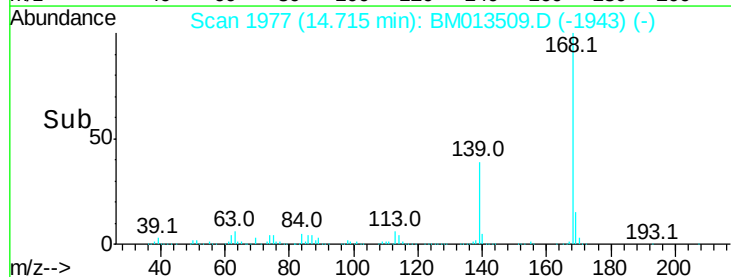
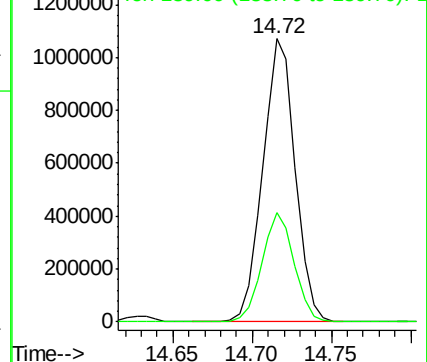
Ion Ratio Lower Upper

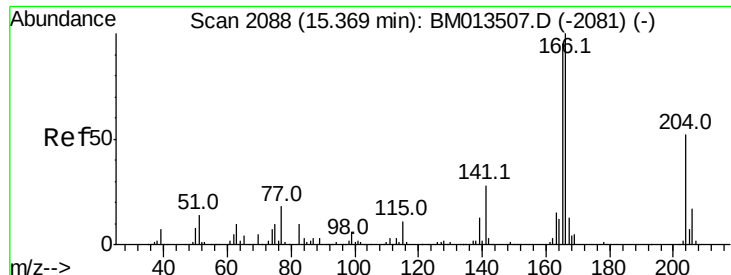
168 100

139 38.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





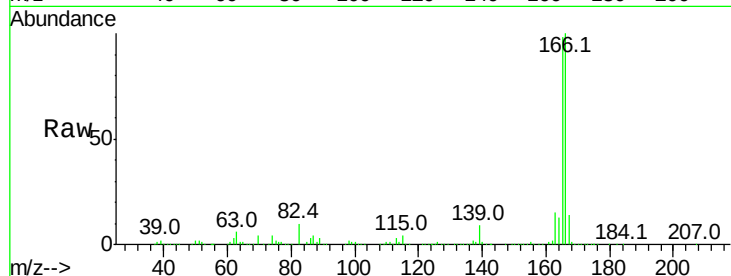
#58
 Fluorene
 Concen: 46.245 ng/ul
 RT: 15.37 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: BM013509.D
 Acq: 19 Dec 2017 11:59

Instrument :
 BNA_M
 ClientSampleId :
 F9A58ME

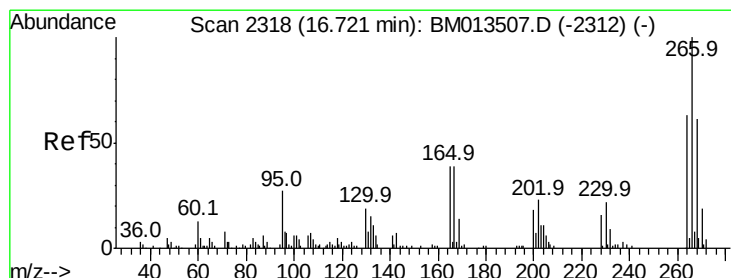
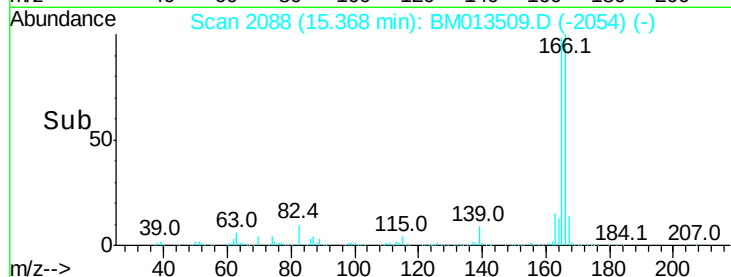
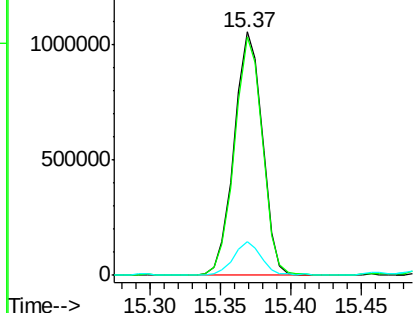
Tot Ion:166 Resp: 1462896
 Ion Ratio Lower Upper
 166 100
 165 98.0 77.9 116.9
 167 13.7 10.6 16.0

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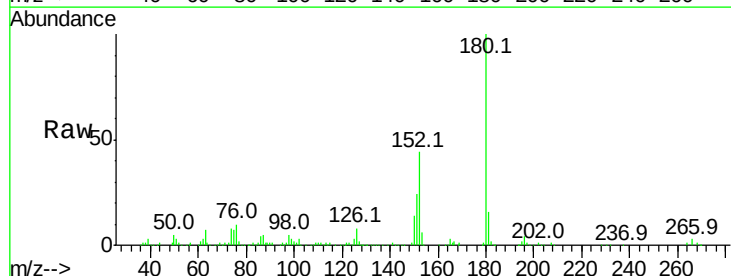


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

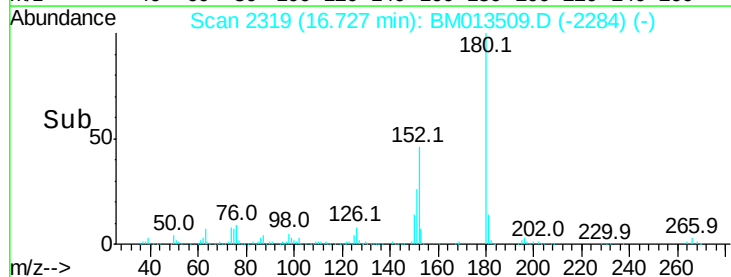
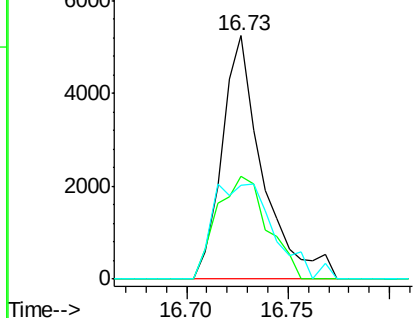


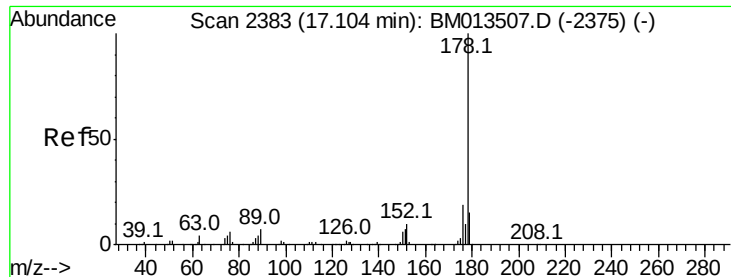
#68
 Pentachlorophenol
 Concen: 1.076 ng/ul m
 RT: 16.73 min Scan# 2319
 Delta R.T. 0.01 min
 Lab File: BM013509.D
 Acq: 19 Dec 2017 11:59

Tgt Ion:266 Resp: 7253
 Ion Ratio Lower Upper
 266 100
 264 42.4 49.3 73.9#
 268 38.8 52.6 78.8#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 184.560 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. 0.01 min

Lab File: BM013509.D

Acq: 19 Dec 2017 11:59

Instrument :

BNA_M

ClientSampleId :

F9A58ME

Tot Ion:178 Resp: 9424411

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

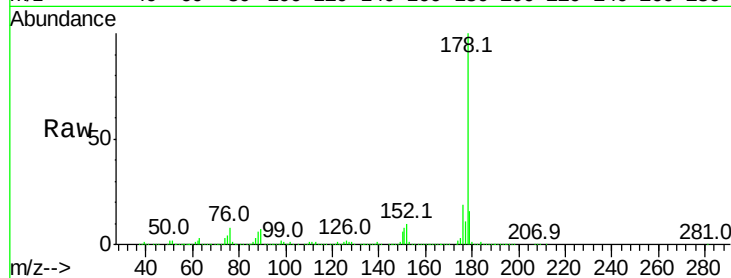
176 18.5 14.9 22.3

Manual Integrations

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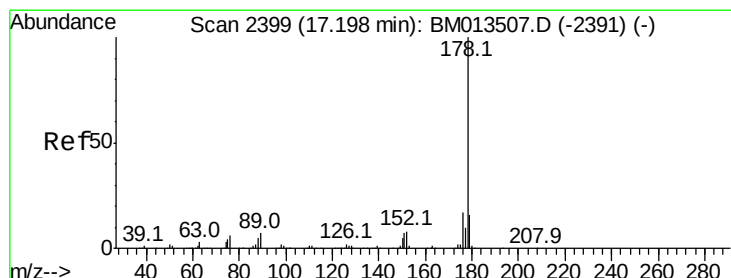
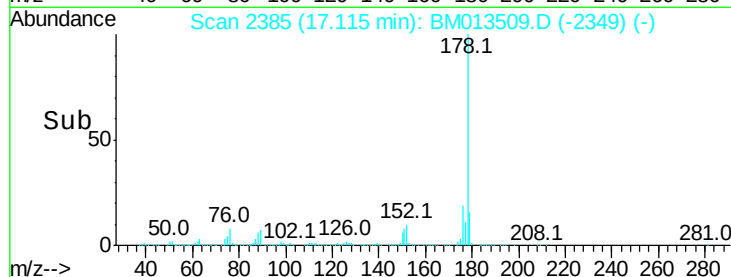
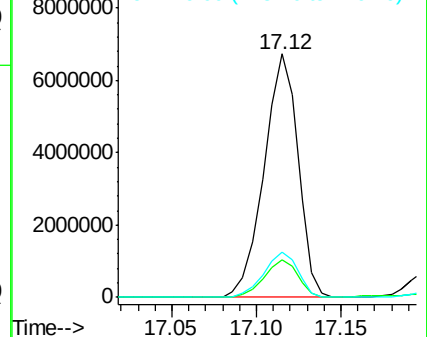
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 19.076 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BM013509.D

Acq: 19 Dec 2017 11:59

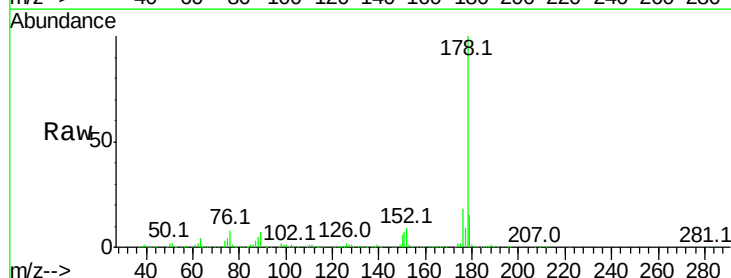
Tgt Ion:178 Resp: 995707

Ion Ratio Lower Upper

178 100

179 15.3 11.7 17.5

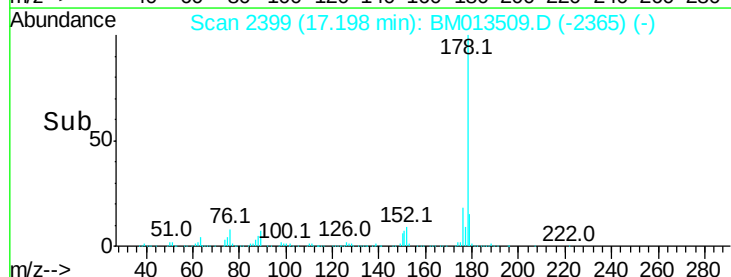
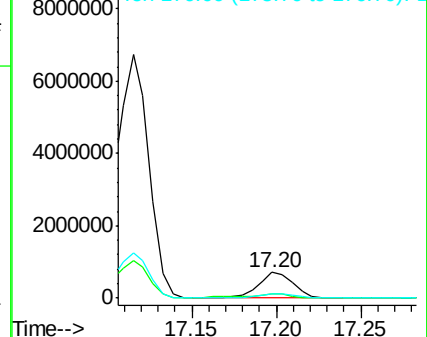
176 17.7 14.6 21.8

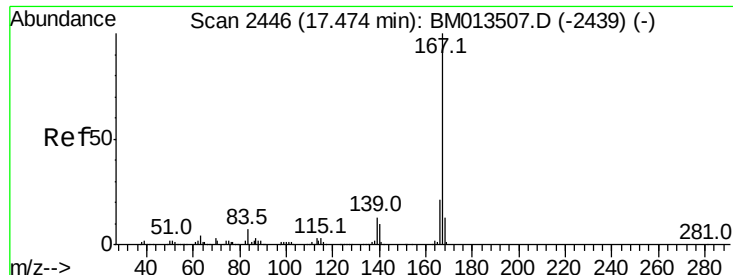


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 6.193 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM013509.D

Acq: 19 Dec 2017 11:59

Instrument :

BNA_M

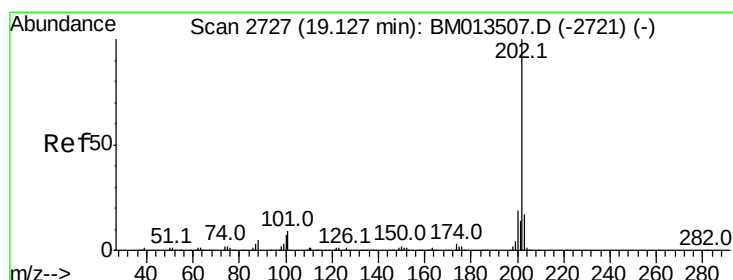
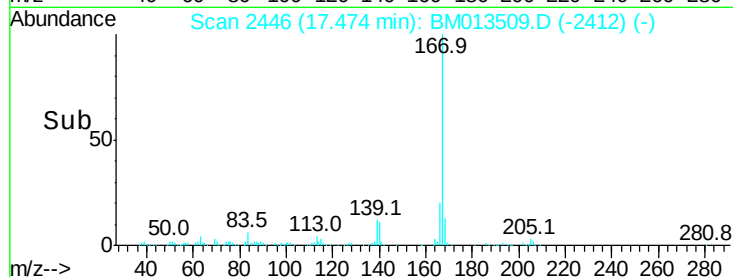
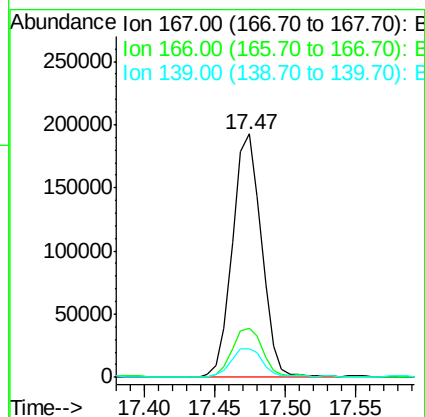
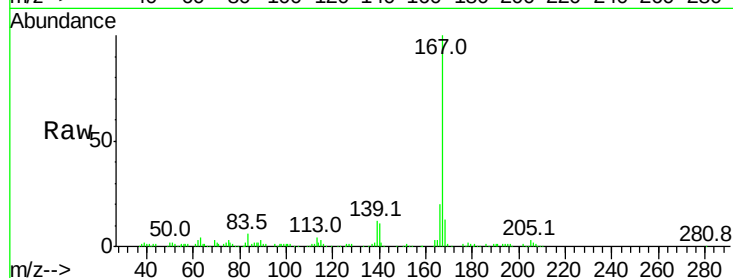
ClientSampleId :

F9A58ME

Tot Ion:	167	Resp:	278023
Ion Ratio	Lower	Upper	
167	100		
166	20.0	17.1	25.7
139	11.7	10.0	15.0

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#74

Fluoranthene

Concen: 98.857 ng/ul

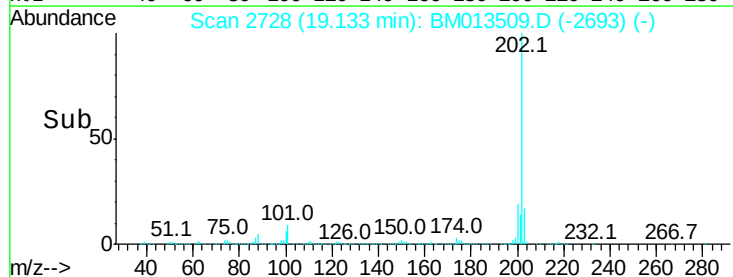
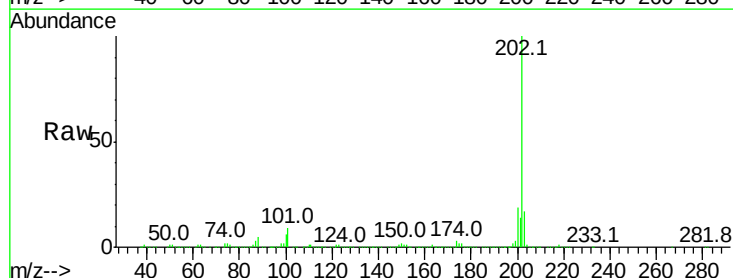
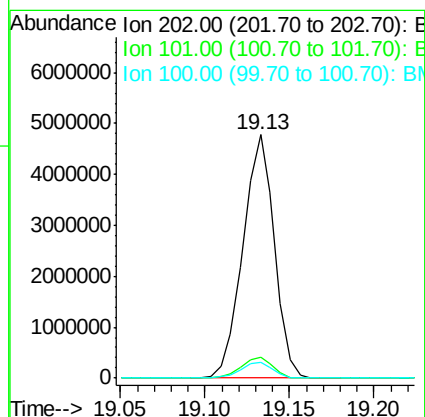
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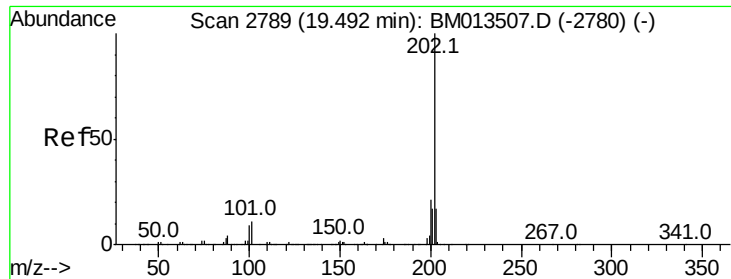
Delta R.T. 0.01 min

Lab File: BM013509.D

Acq: 19 Dec 2017 11:59

Tgt Ion:	202	Resp:	6186237
Ion Ratio	Lower	Upper	
202	100		
101	8.6	4.6	7.0#
100	6.3	3.4	5.2#





#77

Pvrene

Concen: 70.864 ng/ul

RT: 19.50 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BM013509.D

Acq: 19 Dec 2017 11:59

Instrument :

BNA_M

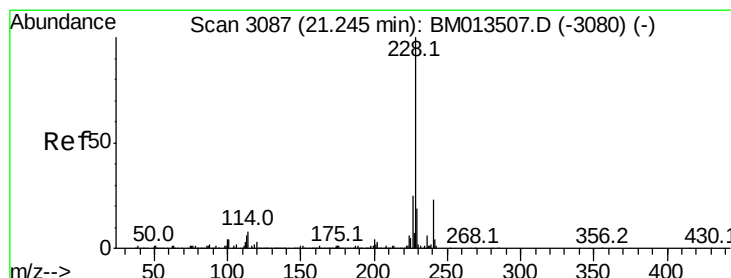
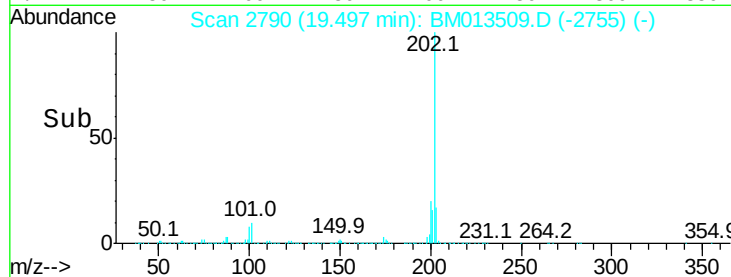
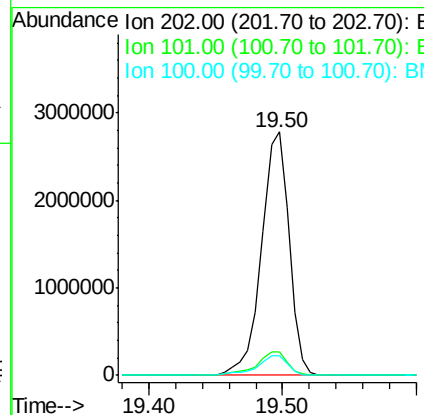
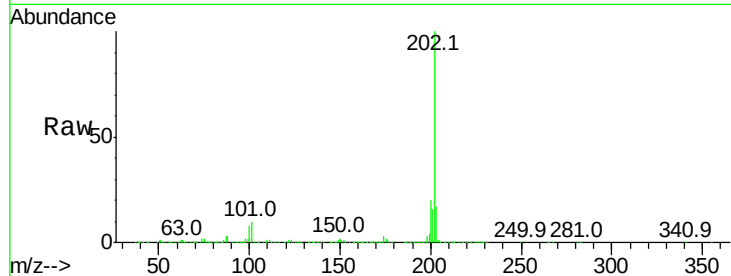
ClientSampleId :

F9A58ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.7	5.1	7.7#
100	8.2	4.9	7.3#

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12/20/2017 3:49:26 PM



#80

Benzo(a)anthracene

Concen: 13.276 ng/ul

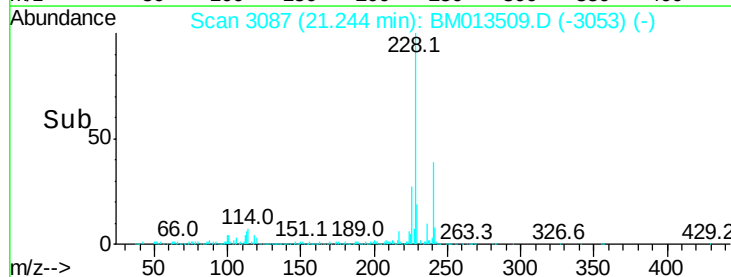
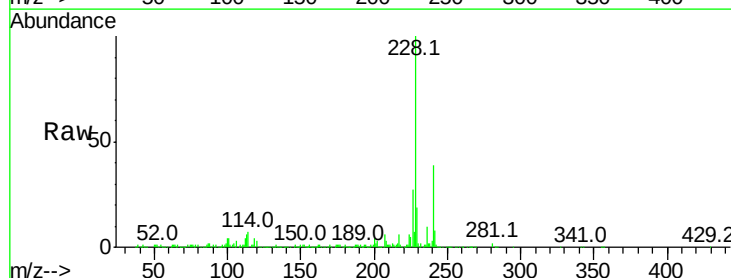
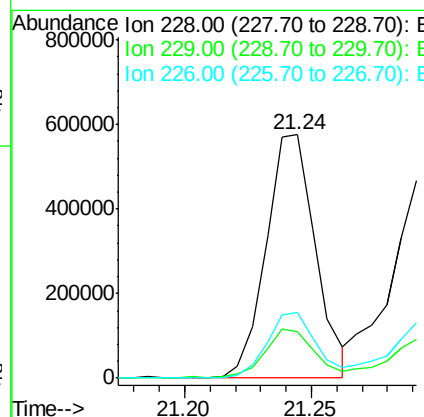
RT: 21.24 min Scan# 3087

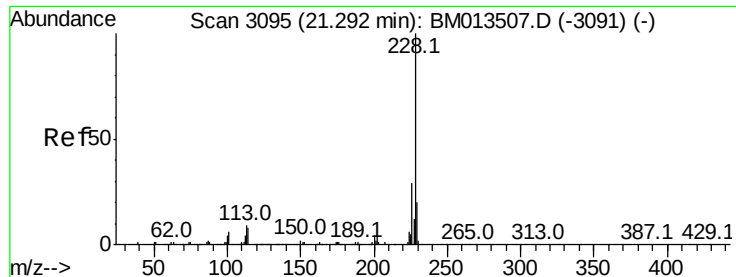
Delta R.T. -0.00 min

Lab File: BM013509.D

Acq: 19 Dec 2017 11:59

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.3	15.4	23.0
226	27.2	21.4	32.0





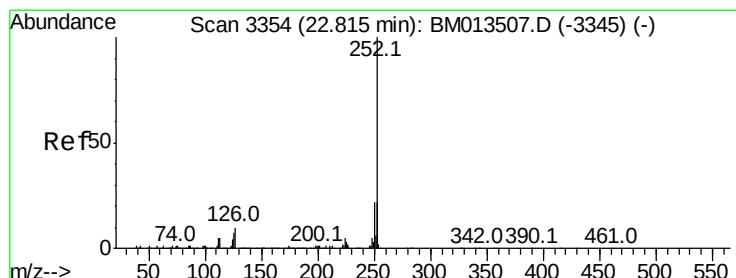
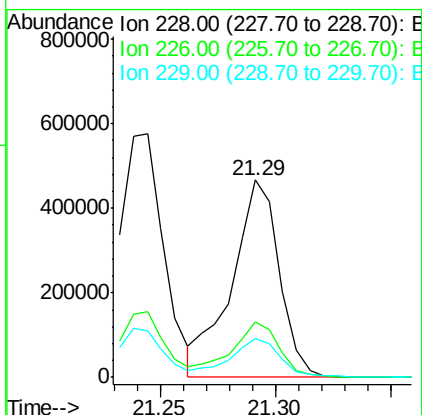
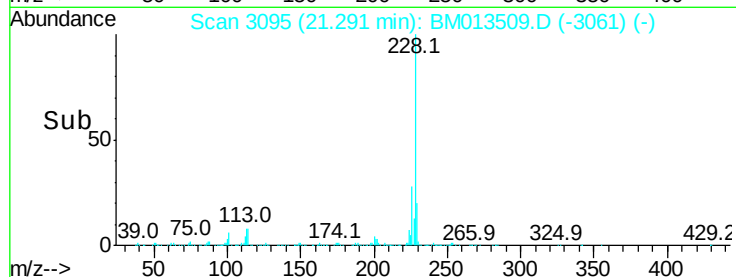
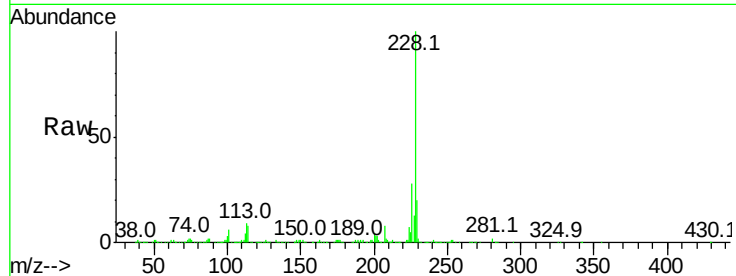
#82
Chrysene
Concen: 12.259 ng/ul
RT: 21.29 min Scan# 3095
Delta R.T. -0.00 min
Lab File: BM013509.D
Acq: 19 Dec 2017 11:59

Instrument :
BNA_M
ClientSampleId :
F9A58ME

Tot Ion	Ratio	Resp	Lower	Upper
228	100	664911		
226	28.1		23.4	35.2
229	19.7		15.5	23.3

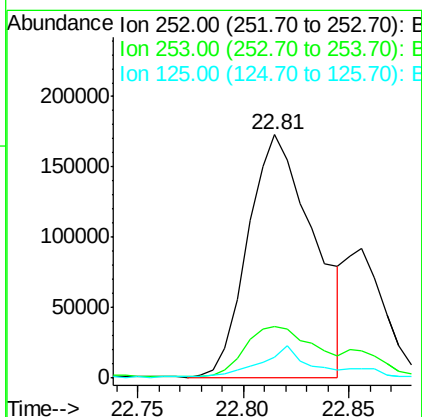
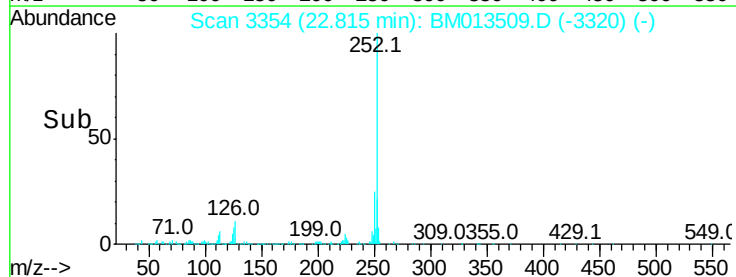
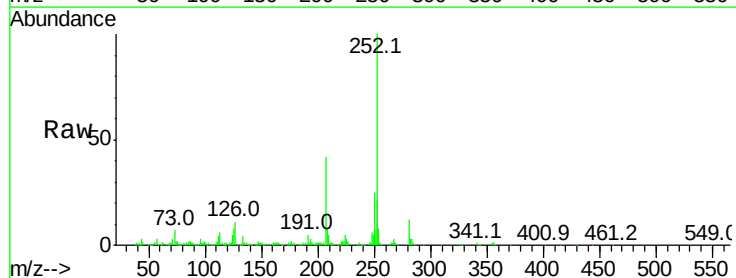
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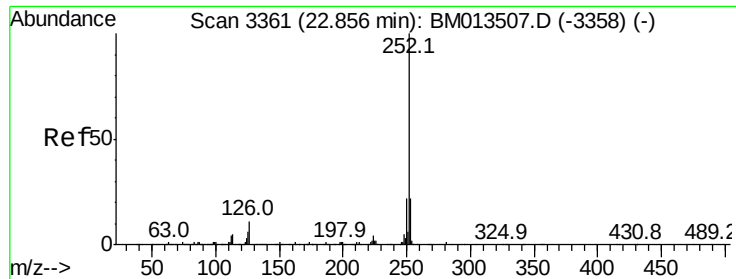
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#85
Benzo(b)fluoranthene
Concen: 7.135 ng/ul
RT: 22.81 min Scan# 3354
Delta R.T. -0.00 min
Lab File: BM013509.D
Acq: 19 Dec 2017 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	373699		
253	21.2		17.9	26.9
125	8.4		3.6	5.4#





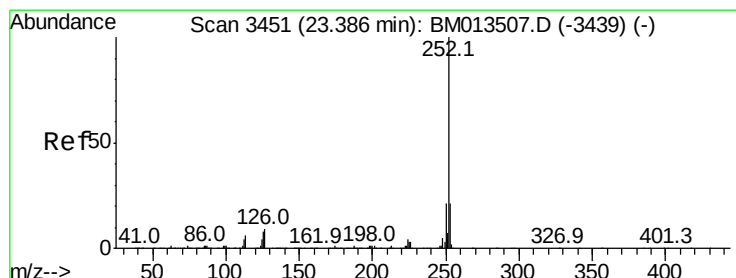
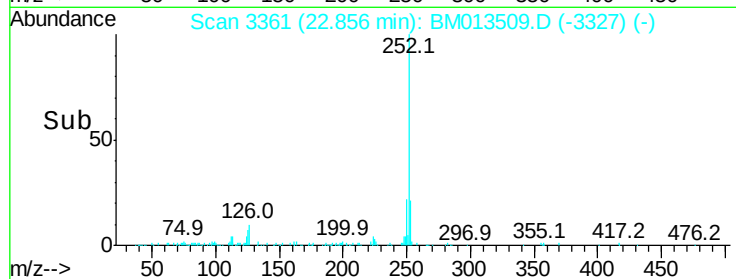
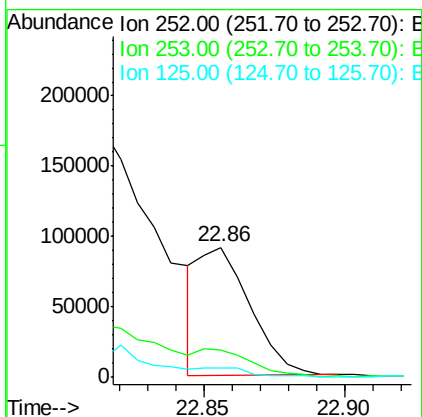
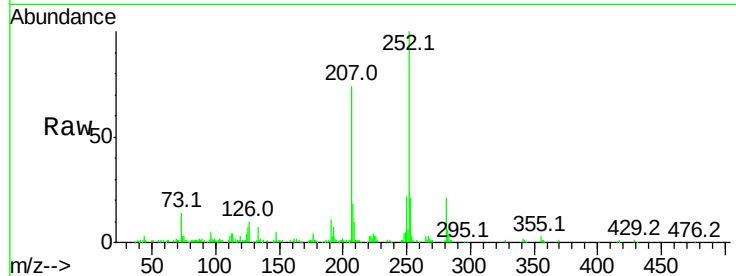
#86
Benzo(k)fluoranthene
Concen: 2.310 ng/ul
RT: 22.86 min Scan# 3361
Delta R.T. -0.00 min
Lab File: BM013509.D
Acq: 19 Dec 2017 11:59

Instrument :
BNA_M
ClientSampled :
F9A58ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.1	25.7
125	7.3	3.4	5.2

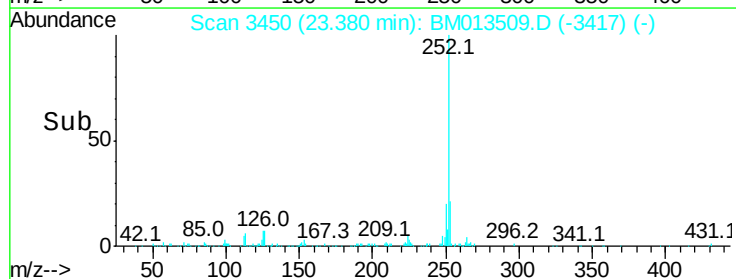
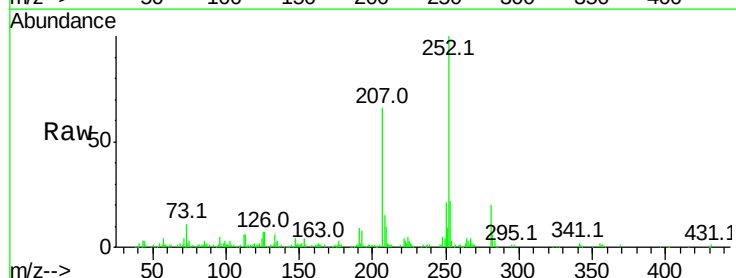
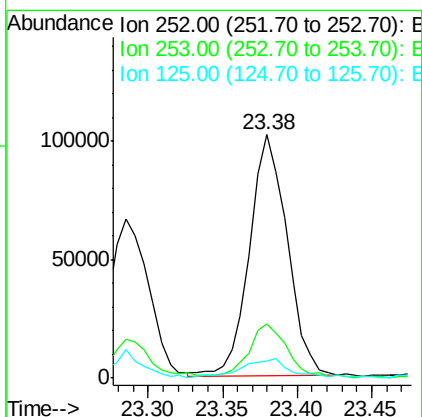
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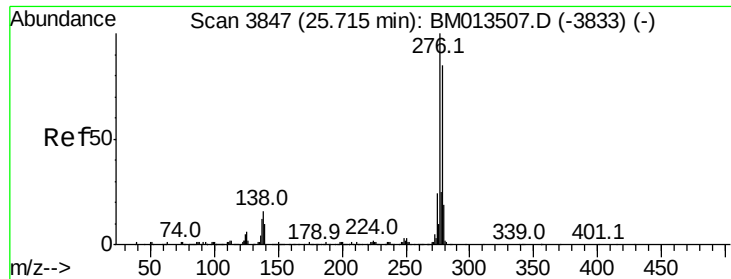
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12/20/2017 3:49:26 PM



#88
Benzo(a)pyrene
Concen: 3.781 ng/ul
RT: 23.38 min Scan# 3450
Delta R.T. -0.01 min
Lab File: BM013509.D
Acq: 19 Dec 2017 11:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	7.1	4.0	6.0





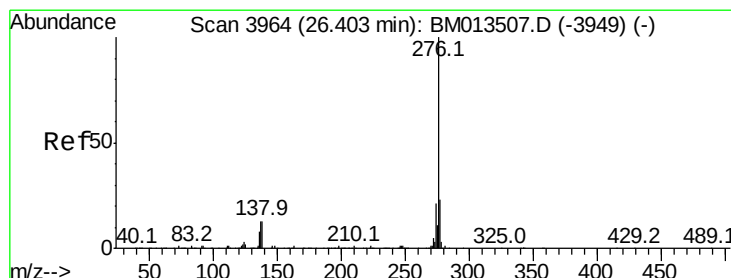
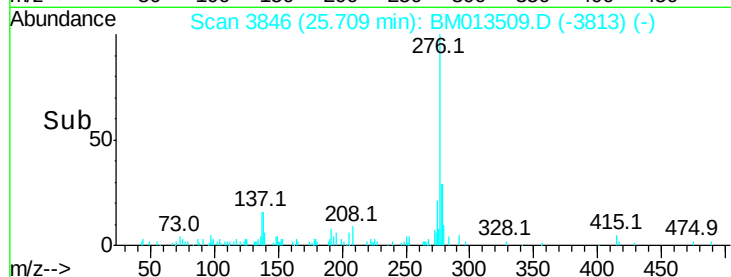
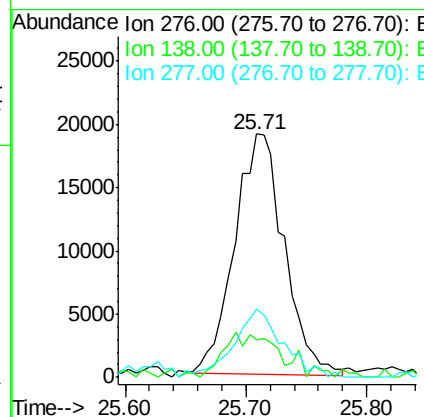
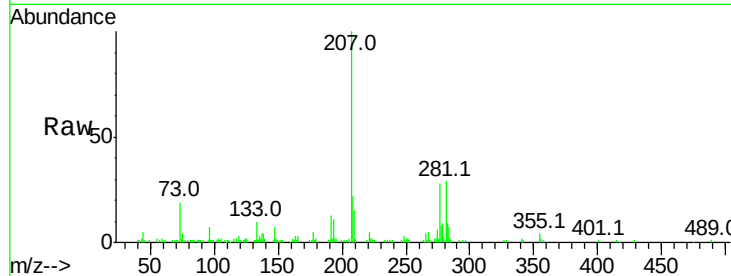
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 1.161 ng/ul
 RT: 25.71 min Scan# 3846
 Delta R.T. -0.01 min
 Lab File: BM013509.D
 Acq: 19 Dec 2017 11:59

Instrument :
 BNA_M
 ClientSampled :
 F9A58ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.5	9.3	13.9#
277	28.2	19.9	29.9

Manual Integrations
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#91
 Benzo(g,h,i)perylene
 Concen: 1.168 ng/ul
 RT: 26.39 min Scan# 3962
 Delta R.T. -0.01 min
 Lab File: BM013509.D
 Acq: 19 Dec 2017 11:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.2	8.5	12.7#
277	22.4	18.6	28.0

