

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121317\
 Data File : BM013385.D
 Acq On : 13 Dec 2017 21:58
 Operator : SJ/JU
 Sample : I6759-12ME
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A20ME

Manual Integrations
 APPROVED

Sohil
 12/15/2017 7:34:23 PM

Quant Time: Dec 14 03:51:59 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 14 01:15:39 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	204070	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	871664	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	530093	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	1209962	20.00	ng/ul	0.01
75) Chrysene-d12	21.27	240	1357036	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1163691	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	14312m	3.47	ng/uL	0.00
5) Phenol-d5	6.86	99	310866	17.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	195366	19.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	257237	18.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	277312	18.38	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	144246	20.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	151569	20.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	280368	18.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	324416	23.15	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	953438	20.21	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	1137032	19.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	115185	14.05	ng/ul	0.00
57) Fluorene-d10	15.32	176	806611	19.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	103801	13.64	ng/ul	0.02
70) Anthracene-d10	17.19	188	1236342	20.40	ng/ul	0.01
76) Pyrene-d10	19.48	212	1402930	20.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	1126045	19.00	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.51	128	1012061	22.567	ng/ul	99
34) 2-Methylnaphthalene	12.13	142	974615	28.910	ng/ul	94
40) 1,1'-Biphenyl	13.15	154	52813	1.179	ng/ul#	94
44) Dimethylphthalate	13.79	163	120518	2.671	ng/ul	98
47) Acenaphthylene	14.05	152	267678	4.969	ng/ul#	93
49) Acenaphthene	14.40	153	11393486	310.478	ng/ul	98
53) Dibenzofuran	14.73	168	8350271	154.138	ng/ul	100
58) Fluorene	15.39	166	9563232	213.386	ng/ul	98
68) Pentachlorophenol	16.75	266	24748	2.728	ng/ul	95
69) Phenanthrene	17.13	178	27164830m	395.181	ng/ul	
71) Anthracene	17.22	178	3666553	52.183	ng/ul	98
72) Carbazole	17.49	167	2026292	33.528	ng/ul	100
74) Fluoranthene	19.15	202	21815959m	258.976	ng/ul	
77) Pyrene	19.52	202	18423939m	223.473	ng/ul	
80) Benzo(a)anthracene	21.26	228	5136141	59.653	ng/ul	98
82) Chrysene	21.31	228	3963921	49.624	ng/ul	97
85) Benzo(b)fluoranthene	22.83	252	2264607	28.868	ng/ul#	98
86) Benzo(k)fluoranthene	22.87	252	732590m	9.924	ng/ul	
88) Benzo(a)pyrene	23.40	252	1081310	15.345	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.72	276	286216	4.093	ng/ul	99
90) Dibenzo(a,h)anthracene	25.72	278	92461m	1.553	ng/ul	
91) Benzo(a,h,i)perylene	26.40	276	165609	3.003	ng/ul#	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

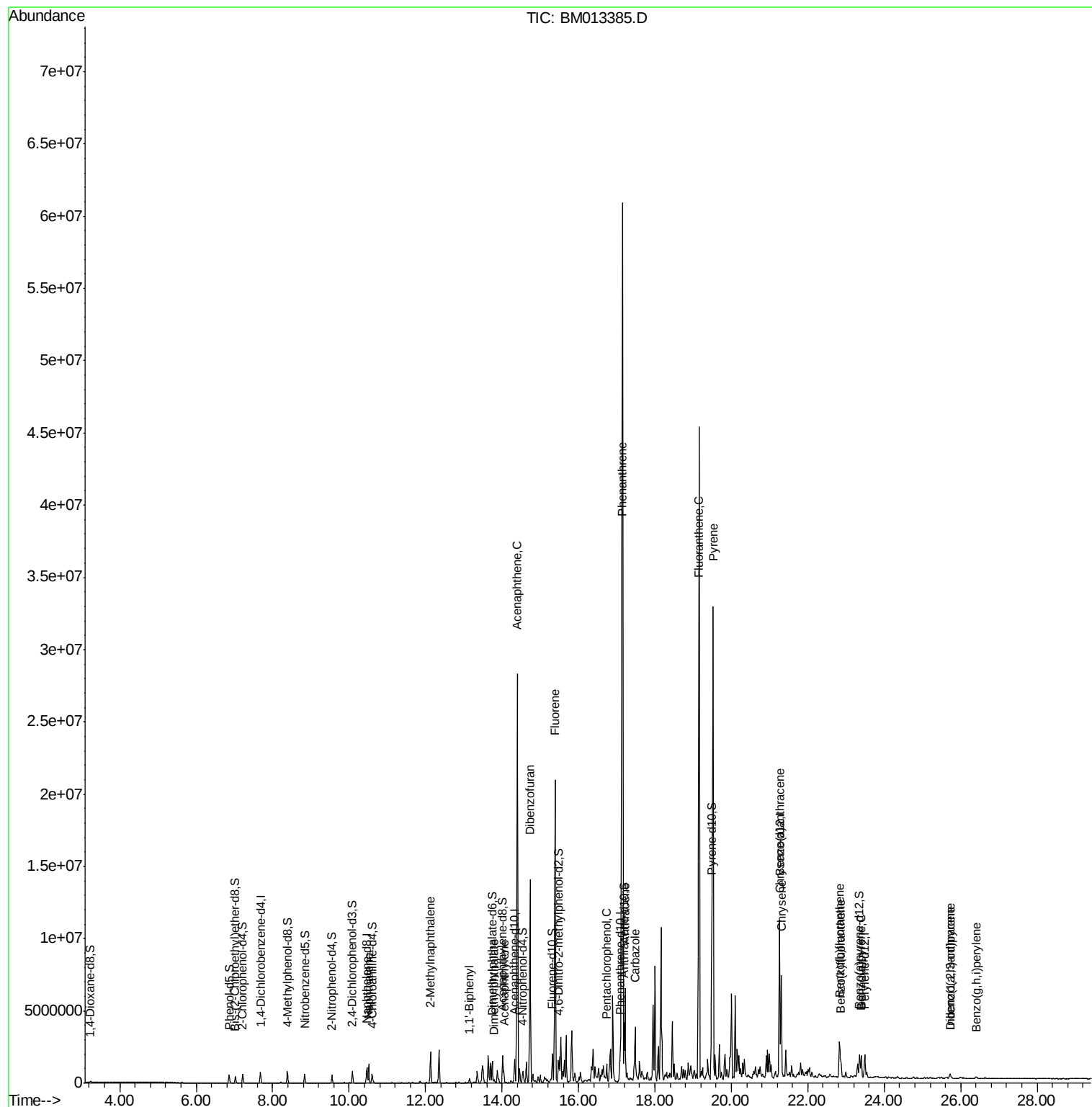
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013385.D
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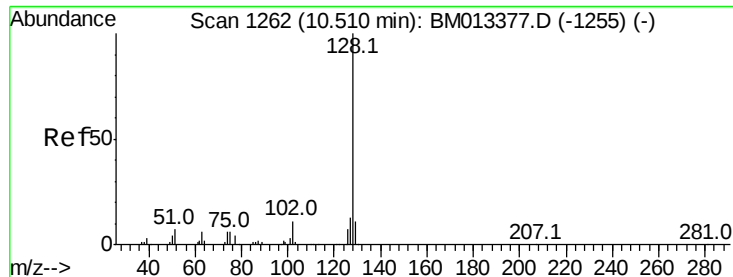
Instrument :
BNA_M
ClientSampleId :
F9A20ME

Manual Integrations
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#28

Naphthalene

Concen: 22.567 ng/ul

RT: 10.51 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Instrument :

BNA_M

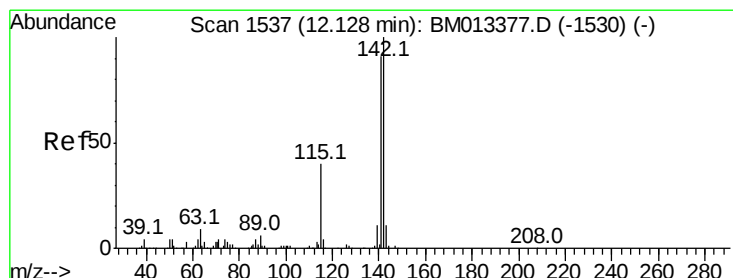
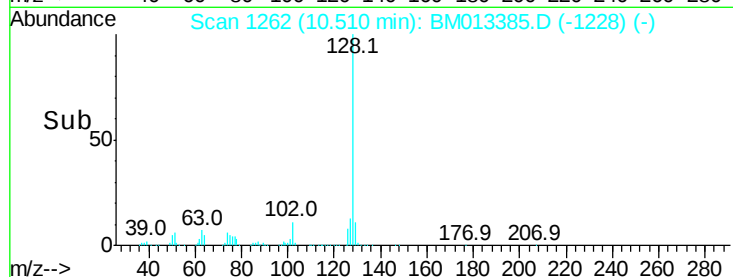
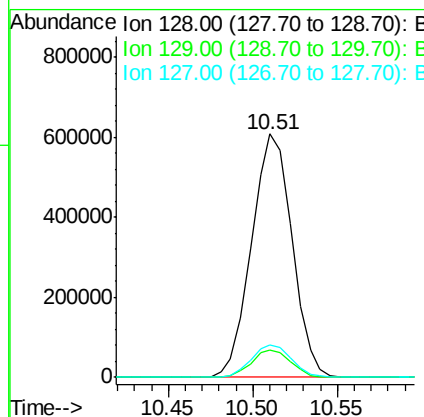
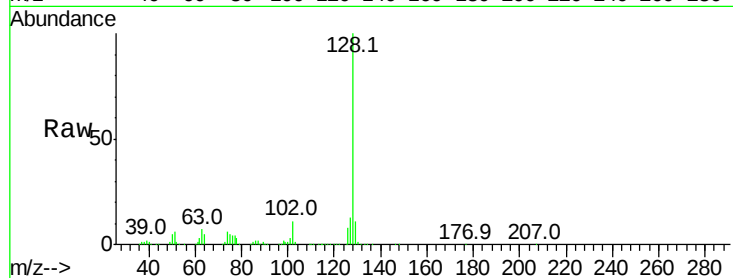
ClientSampleId :

F9A20ME

Tot Ion:	128	Resp:	1012061
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.8	13.2
127	13.1	10.6	16.0

Manual Integrations
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#34

2-Methylnaphthalene

Concen: 28.910 ng/ul

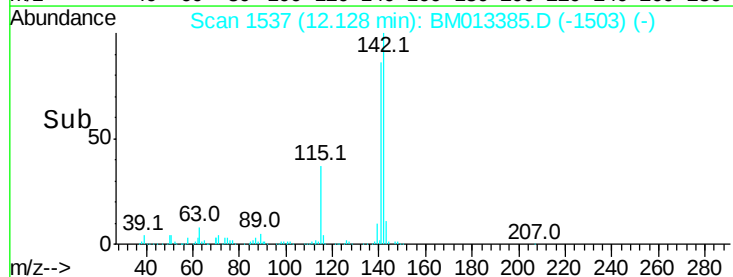
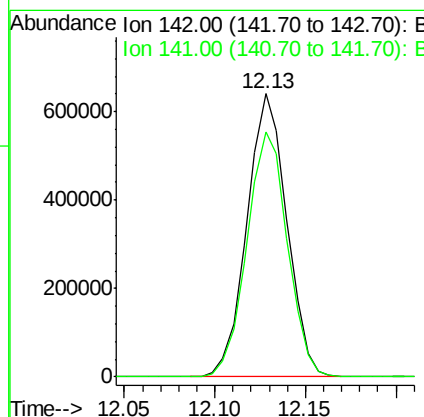
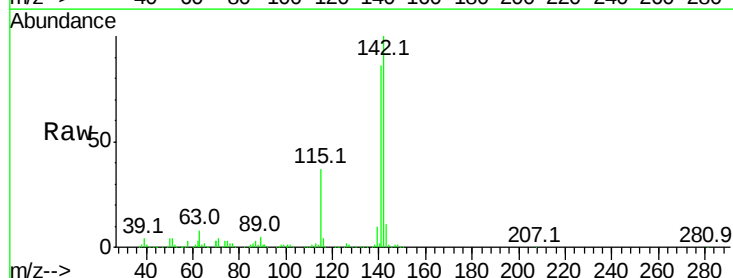
RT: 12.13 min Scan# 1537

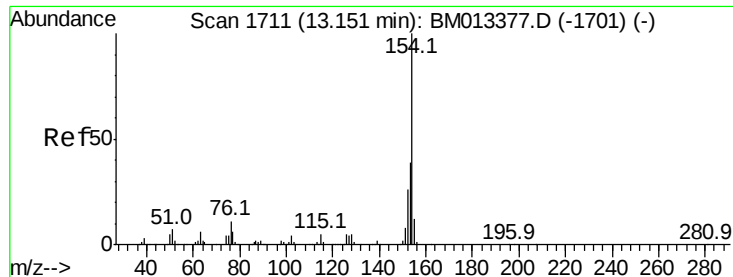
Delta R.T. 0.00 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Tgt Ion:	142	Resp:	974615
Ion Ratio	Lower	Upper	
142	100		
141	86.5	74.1	111.1





#40

1,1'-Biphenyl

Concen: 1.179 ng/ul

RT: 13.15 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Instrument :

BNA_M

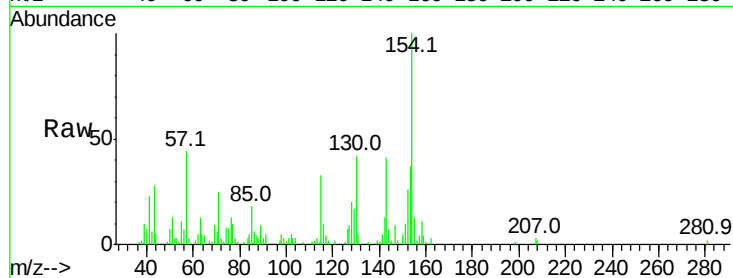
ClientSampleId :

F9A20ME

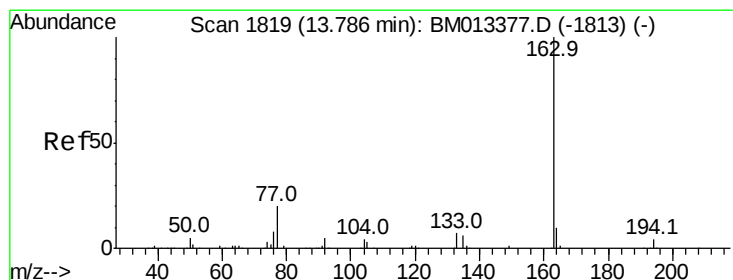
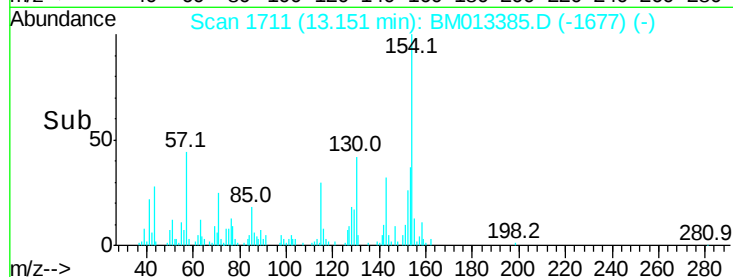
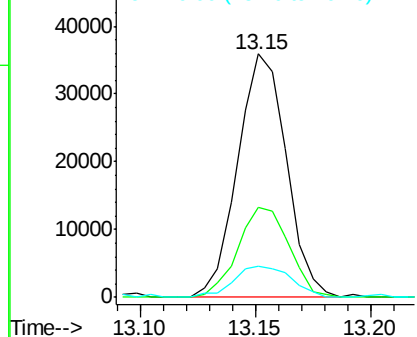
Tot Ion:	154	Resp:	52813
Ion Ratio	Lower	Upper	
154	100		
153	36.9	32.6	48.8
76	12.7	8.5	12.7#

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM0



#44

Dimethylphthalate

Concen: 2.671 ng/ul

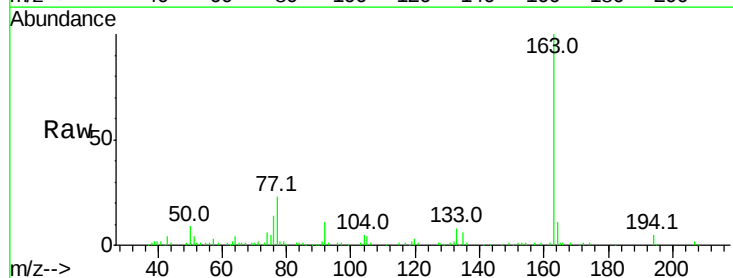
RT: 13.79 min Scan# 1820

Delta R.T. 0.01 min

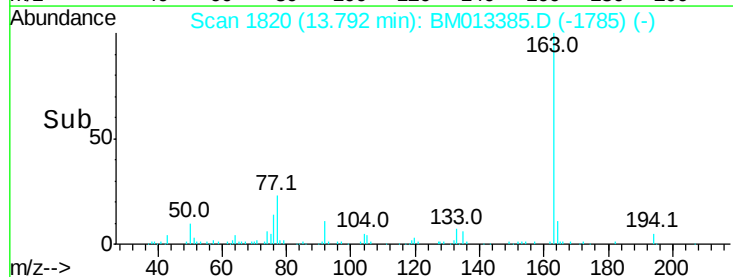
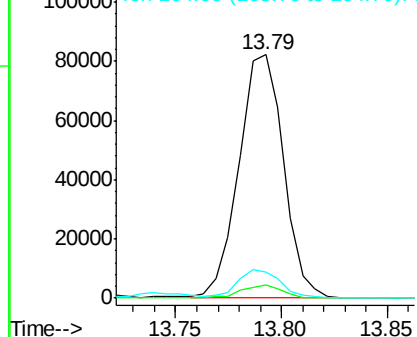
Lab File: BM013385.D

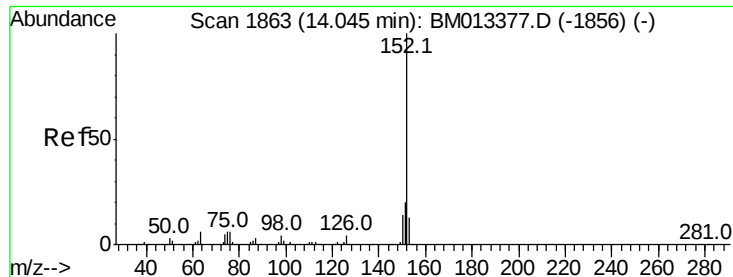
Acq: 13 Dec 2017 21:58

Tgt Ion:	163	Resp:	120518
Ion Ratio	Lower	Upper	
163	100		
194	5.2	3.5	5.3
164	10.7	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





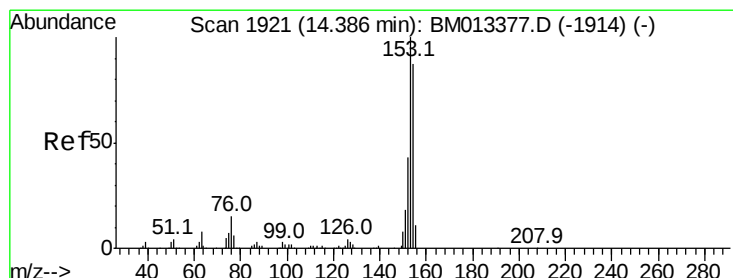
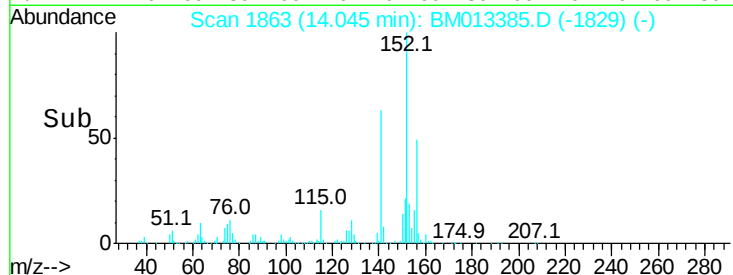
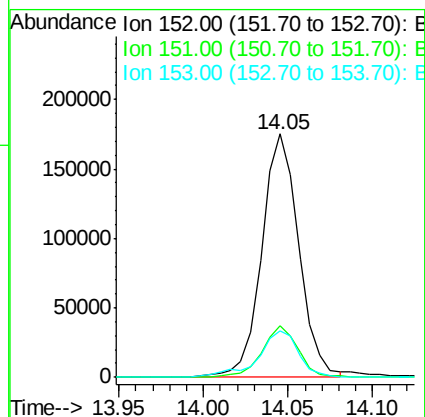
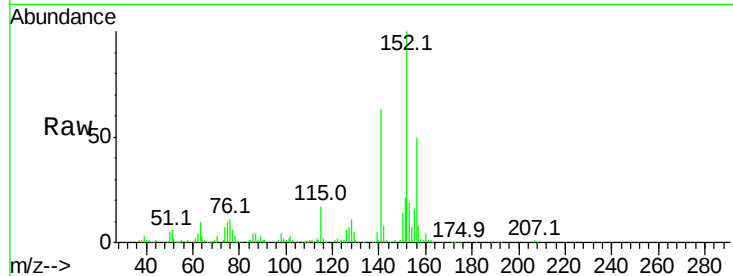
#47
Acenaphthylene
Concen: 4.969 ng/ul
RT: 14.05 min Scan# 1863
Delta R.T. 0.00 min
Lab File: BM013385.D
Acq: 13 Dec 2017 21:58

Instrument :
BNA_M
ClientSampleId :
F9A20ME

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.3	24.5
153	19.2	10.2	15.4

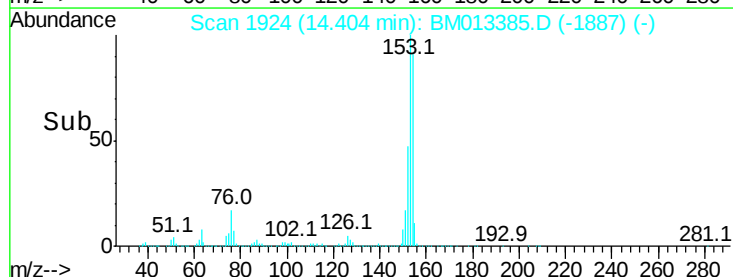
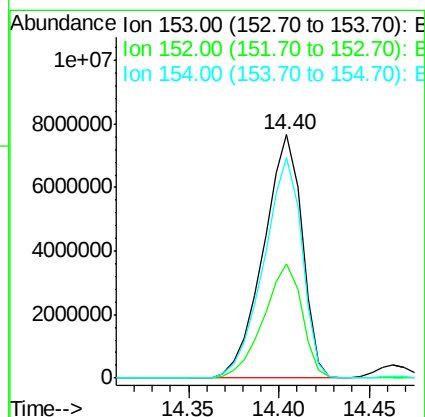
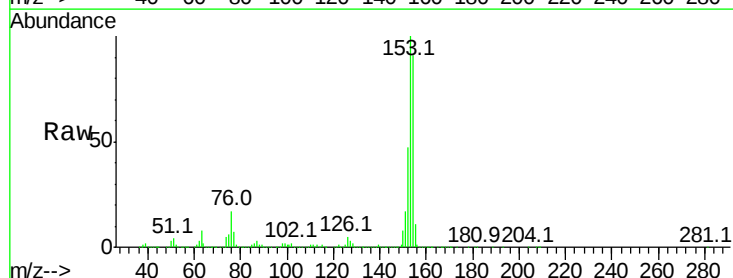
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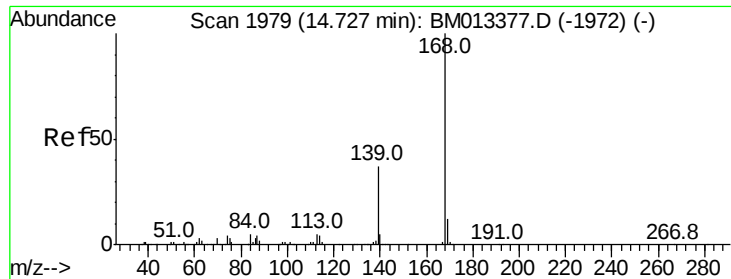
Sohil
12/15/2017 7:34:23 PM



#49
Acenaphthene
Concen: 310.478 ng/ul
RT: 14.40 min Scan# 1924
Delta R.T. 0.02 min
Lab File: BM013385.D
Acq: 13 Dec 2017 21:58

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.8	37.6	56.4
154	90.5	70.4	105.6





#53

Dibenzenofuran

Concen: 154.138 ng/ul

RT: 14.73 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Instrument :

BNA_M

ClientSampleId :

F9A20ME

Tot Ion:168 Resp: 8350271

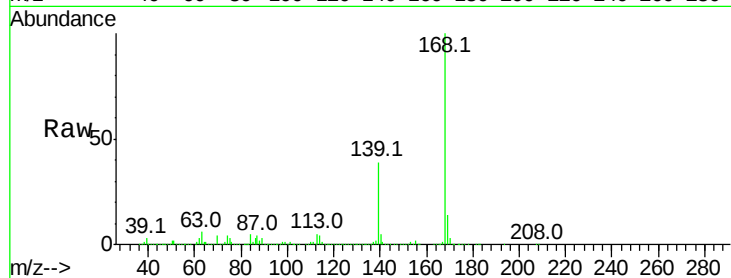
Ion Ratio Lower Upper

168 100

139 38.7 30.8 46.2

Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

6000000

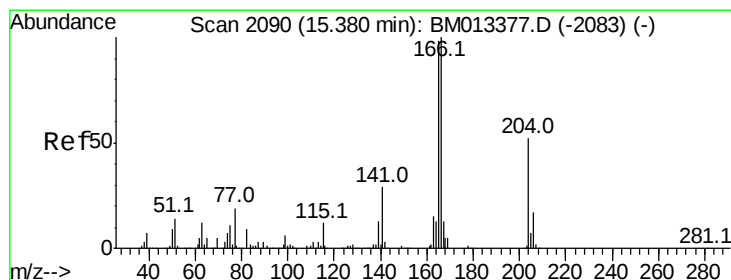
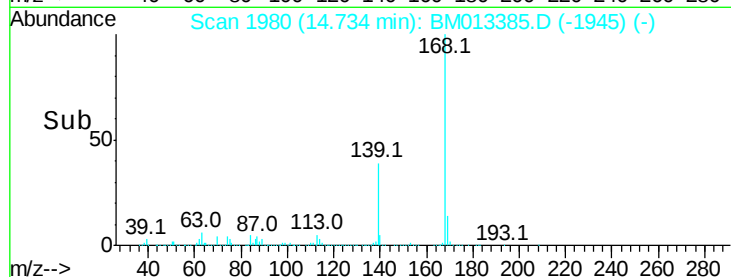
4000000

2000000

0

14.65 14.70 14.75

Time-->



#58

Fluorene

Concen: 213.386 ng/ul

RT: 15.39 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

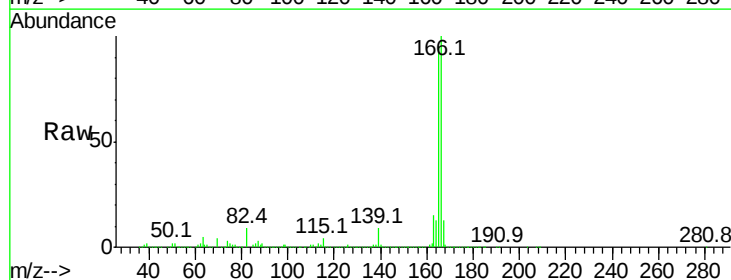
Tgt Ion:166 Resp: 9563232

Ion Ratio Lower Upper

166 100

165 94.8 77.9 116.9

167 13.3 10.6 16.0



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

8000000

6000000

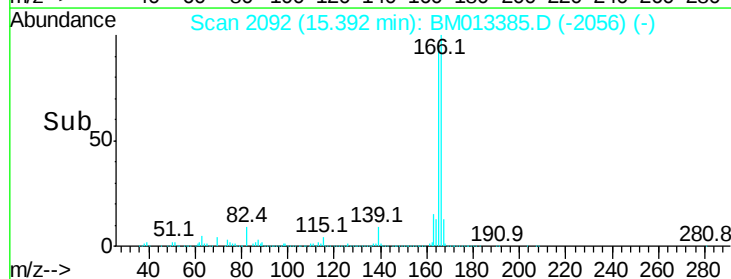
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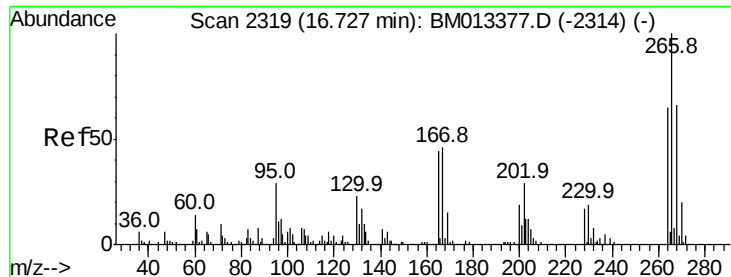
2000000

0

15.30 15.35 15.40 15.45

Time-->





#68

Pentachlorophenol

Concen: 2.728 ng/ul

RT: 16.75 min Scan# 2322

Delta R.T. 0.02 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Instrument :

BNA_M

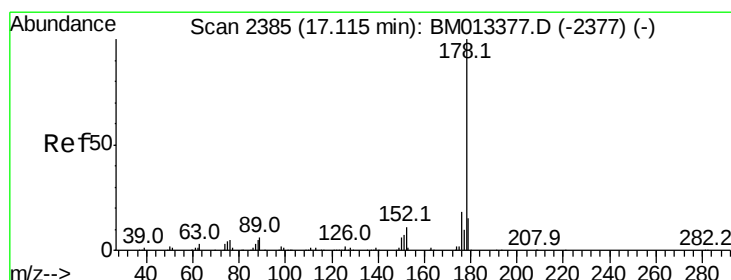
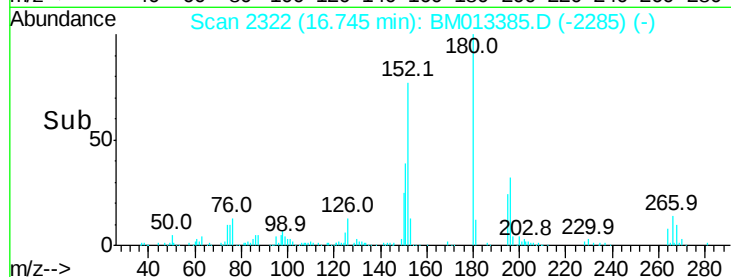
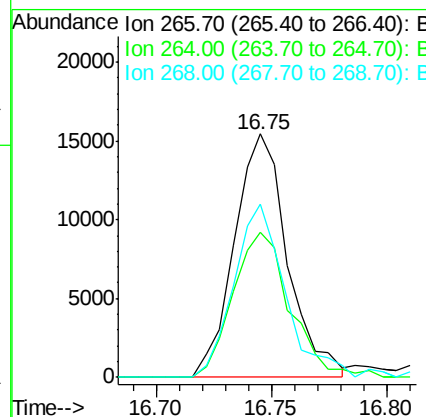
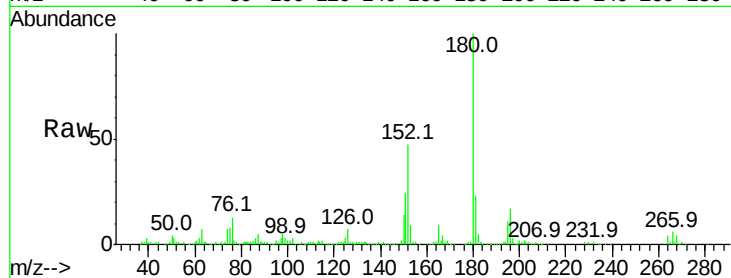
ClientSampleId :

F9A20ME

Tot Ion:	266	Resp:	24748
Ion Ratio	Lower	Upper	
266	100		
264	59.5	49.3	73.9
268	71.1	52.6	78.8

Manual Integrations
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#69

Phenanthrene

Concen: 395.181 ng/ul m

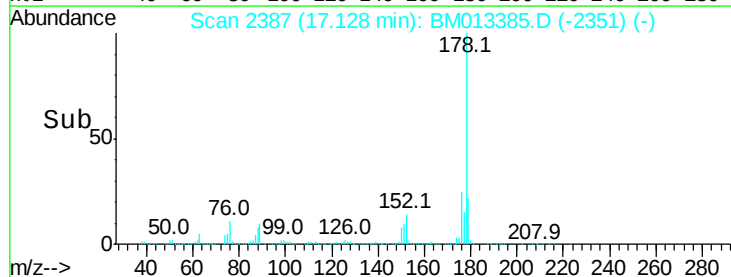
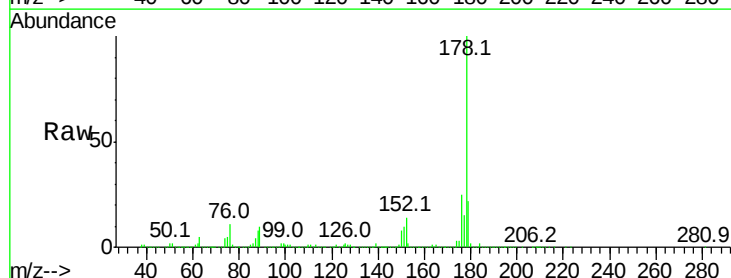
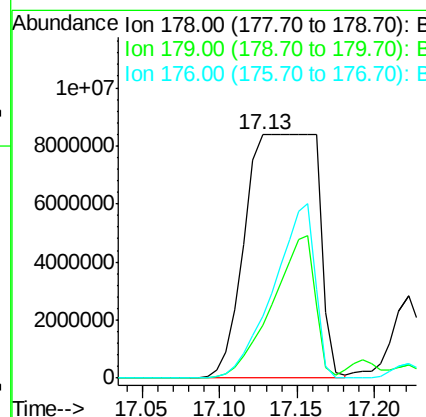
RT: 17.13 min Scan# 2387

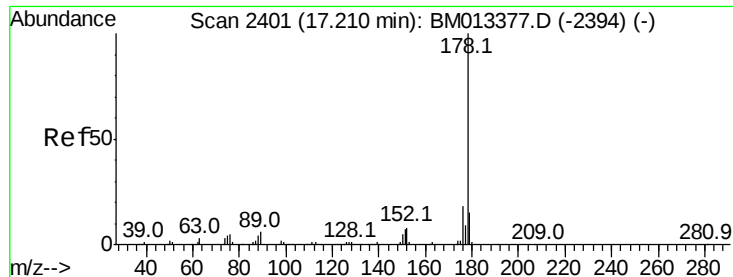
Delta R.T. 0.01 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Tgt Ion:	178	Resp:	27164830
Ion Ratio	Lower	Upper	
178	100		
179	21.7	12.6	19.0#
176	25.4	14.9	22.3#





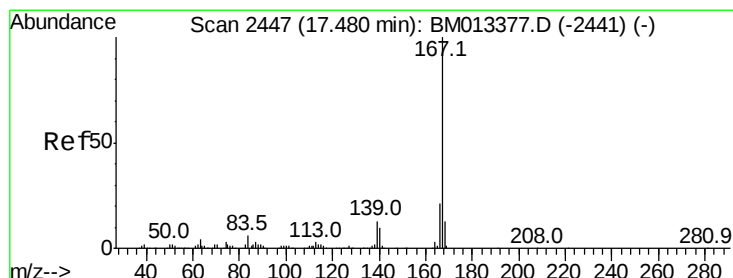
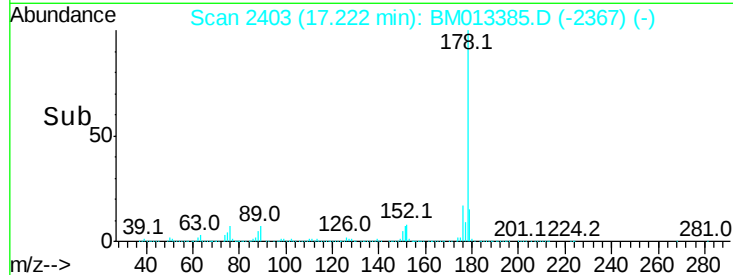
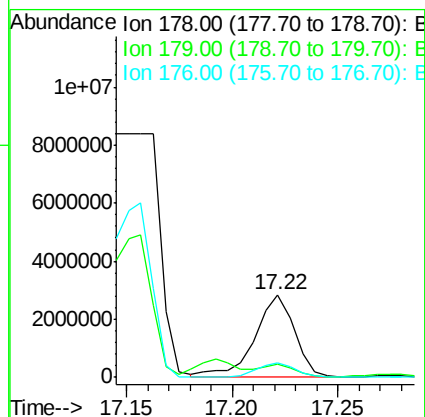
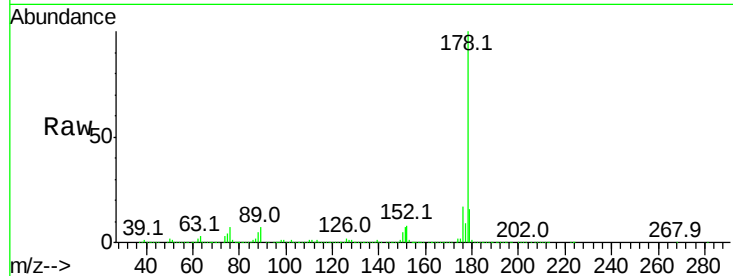
#71
 Anthracene
 Concen: 52.183 ng/ul
 RT: 17.22 min Scan# 2403
 Delta R.T. 0.01 min
 Lab File: BM013385.D
 Acq: 13 Dec 2017 21:58

Instrument :
 BNA_M
 ClientSampleId :
 F9A20ME

Tot Ion:178 Resp: 3666553
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.7 17.5
 176 17.5 14.6 21.8

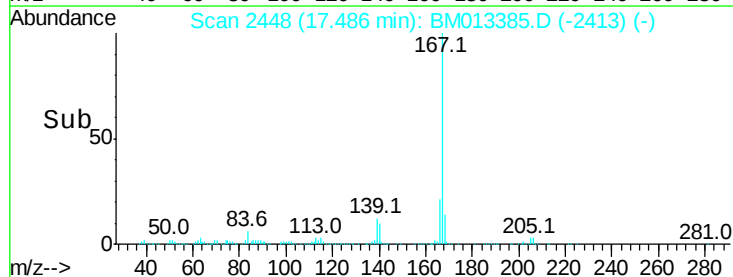
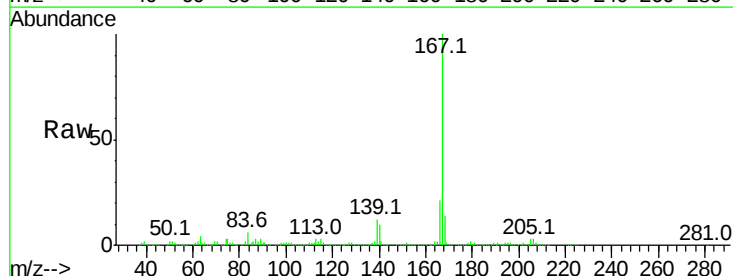
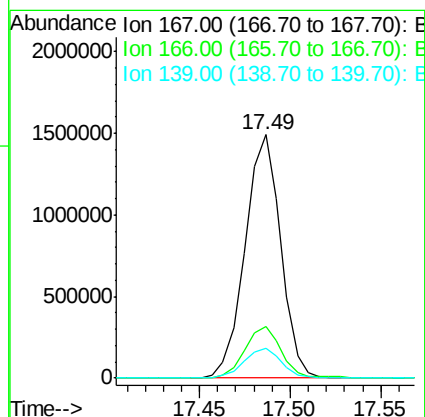
Manual Integrations
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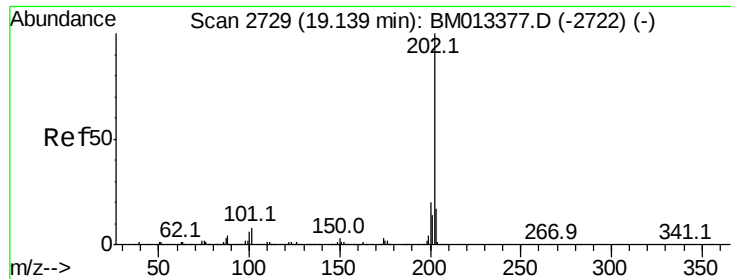
Sohil
 12/15/2017 7:34:23 PM



#72
 Carbazole
 Concen: 33.528 ng/ul
 RT: 17.49 min Scan# 2448
 Delta R.T. 0.01 min
 Lab File: BM013385.D
 Acq: 13 Dec 2017 21:58

Tgt Ion:167 Resp: 2026292
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.1 25.7
 139 12.3 10.0 15.0





#74

Fluoranthene

Concen: 258.976 ng/ul m

RT: 19.15 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Instrument :

BNA_M

ClientSampleId :

F9A20ME

Tot Ion:202 Resp:21815959

Ion Ratio Lower Upper

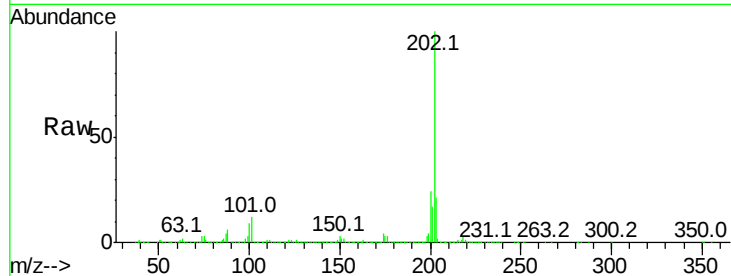
202 100

101 11.6 4.6 7.0#

100 9.1 3.4 5.2#

Manual Integrations
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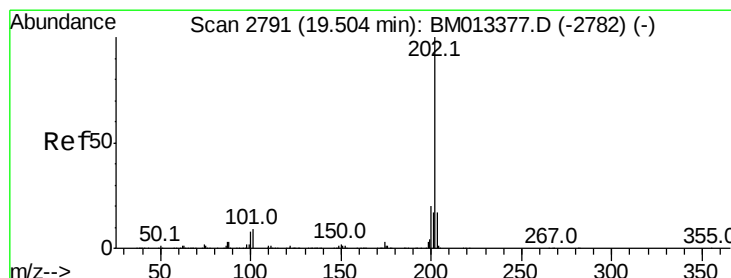
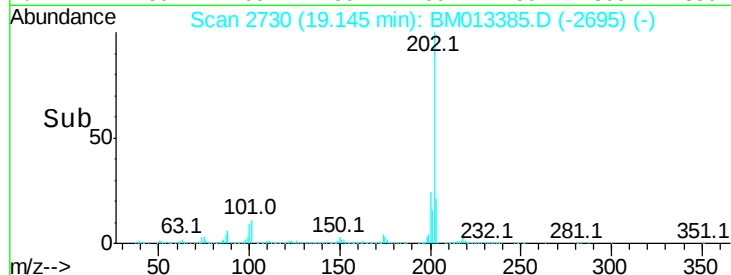
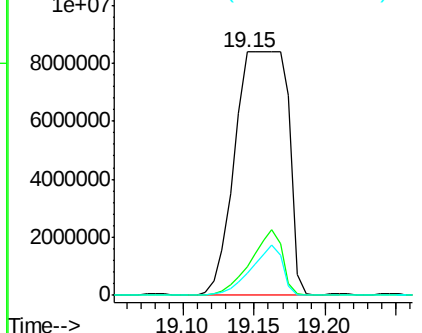
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 223.473 ng/ul m

RT: 19.52 min Scan# 2793

Delta R.T. 0.01 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Tgt Ion:202 Resp:18423939

Ion Ratio Lower Upper

202 100

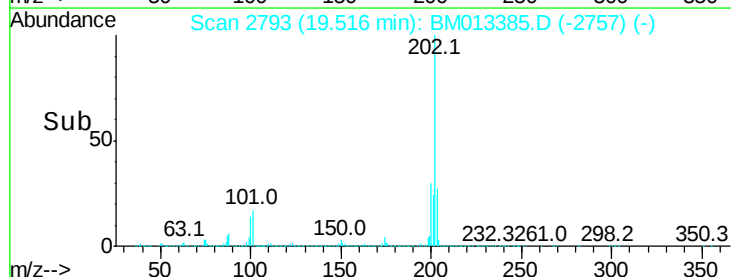
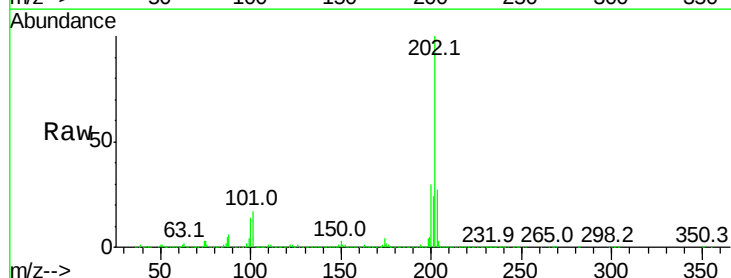
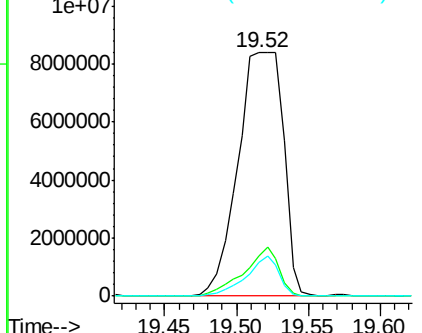
101 16.6 5.1 7.7#

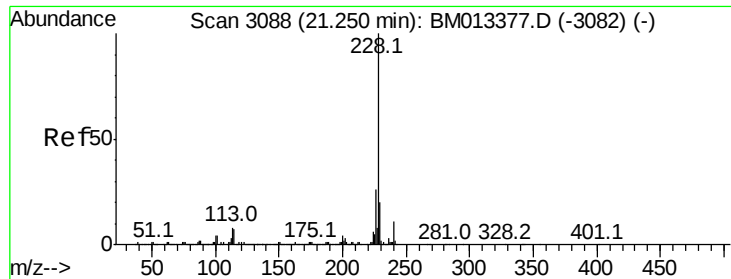
100 13.8 4.9 7.3#

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 59.653 ng/ul

RT: 21.26 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Instrument :

BNA_M

ClientSampled :

F9A20ME

Tot Ion:228 Resp: 5136141

Ion Ratio Lower Upper

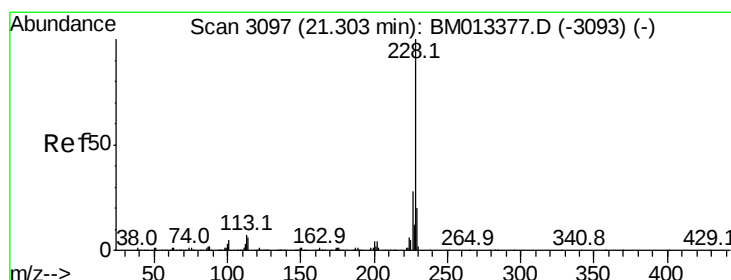
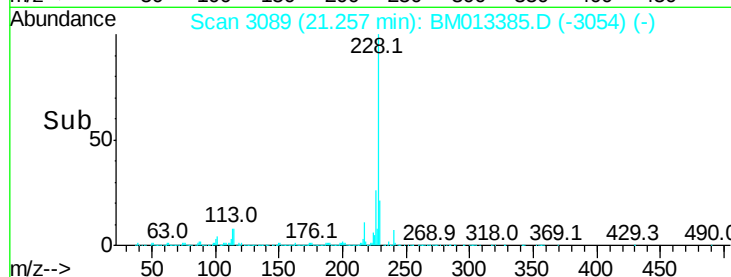
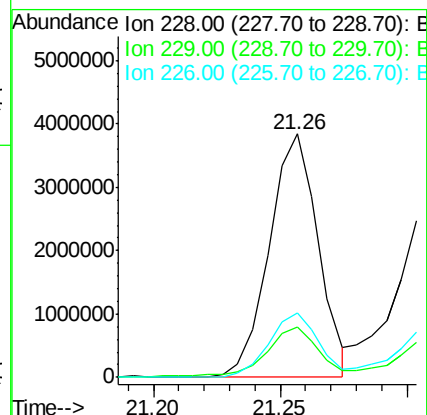
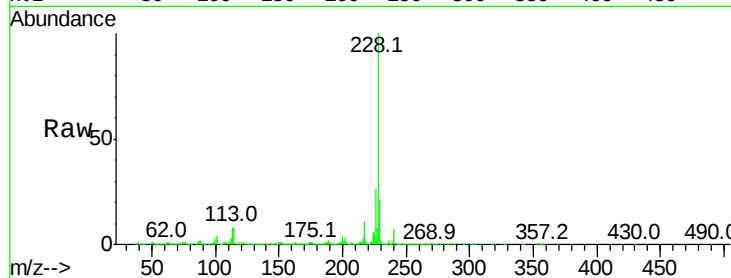
228 100

229 20.8 15.4 23.0

226 26.4 21.4 32.0

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#82

Chrysene

Concen: 49.624 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

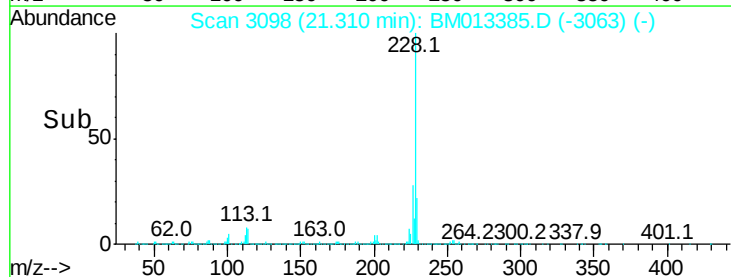
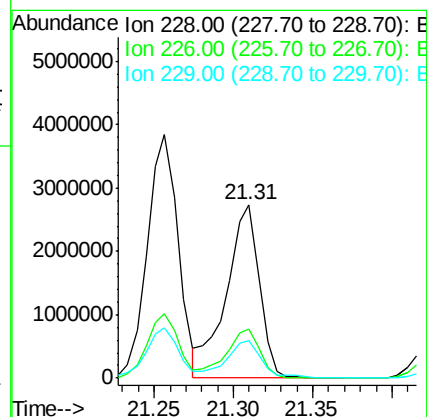
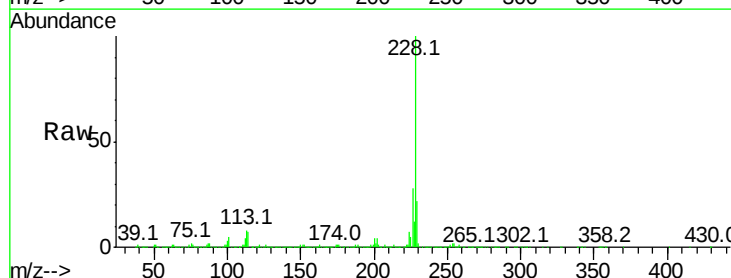
Tgt Ion:228 Resp: 3963921

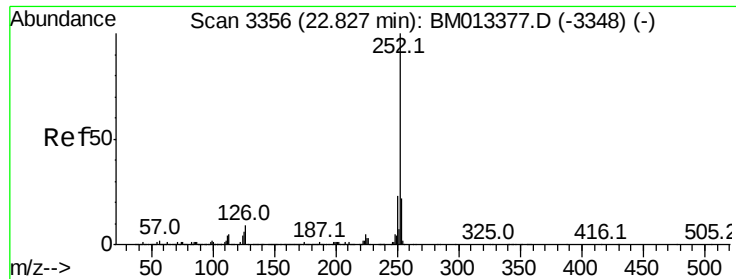
Ion Ratio Lower Upper

228 100

226 28.4 23.4 35.2

229 22.0 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 28.868 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. 0.00 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Instrument :

BNA_M

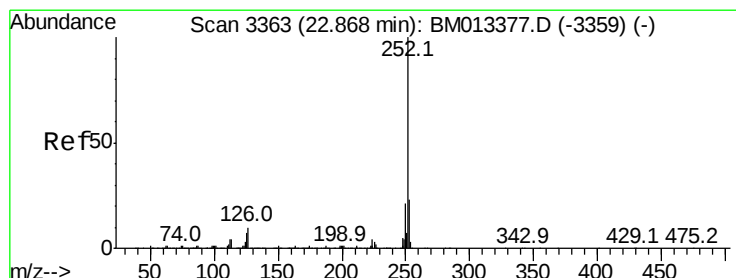
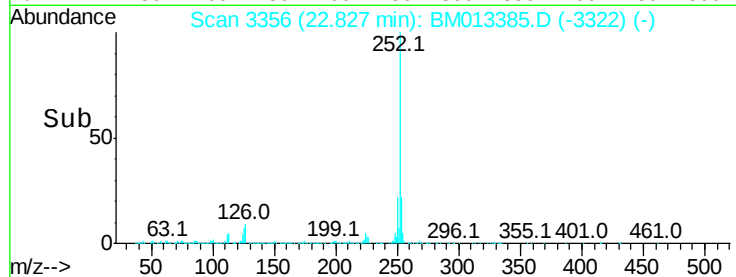
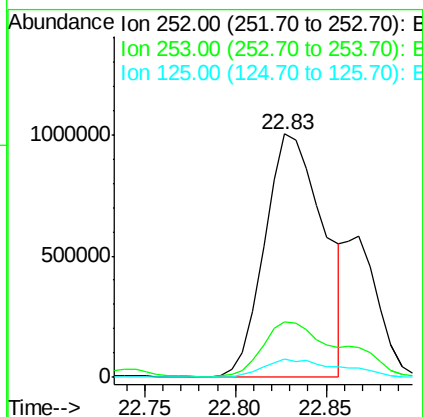
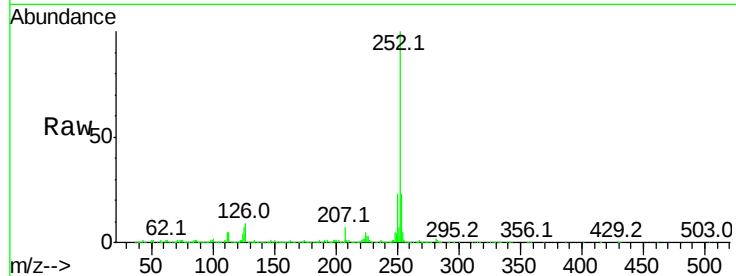
ClientSampleId :

F9A20ME

Tot Ion:	252	Resp:	2264607
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.9	26.9
125	7.4	3.6	5.4#

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 9.924 ng/ul m

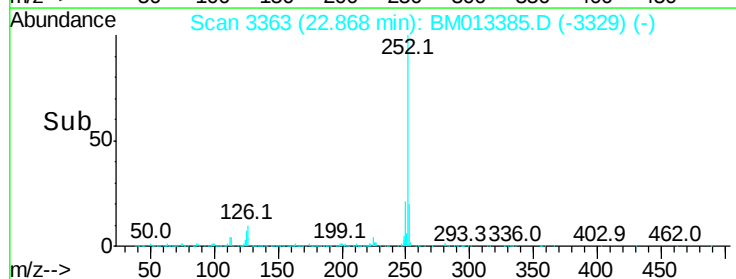
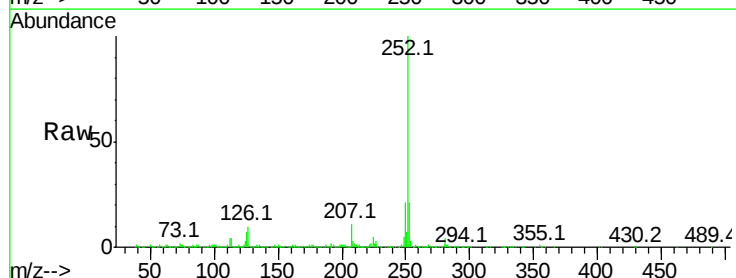
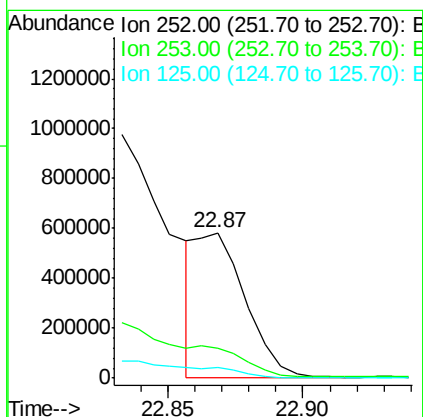
RT: 22.87 min Scan# 3363

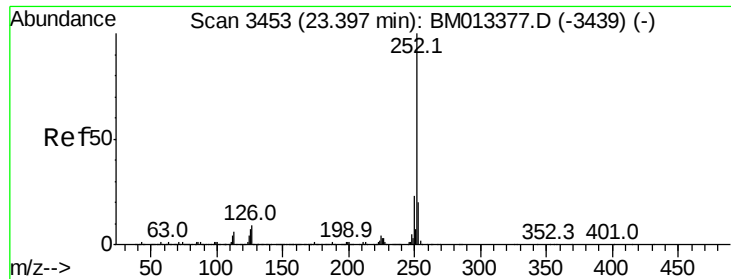
Delta R.T. 0.00 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Tgt Ion:	252	Resp:	732590
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.1	25.7
125	6.9	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 15.345 ng/ul

RT: 23.40 min Scan# 3453

Delta R.T. 0.00 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Instrument :

BNA_M

ClientSampleId :

F9A20ME

Tot Ion:252 Resp: 1081310

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

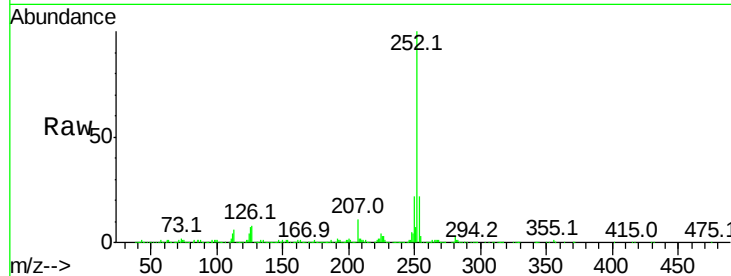
125 7.0 4.0 6.0#

Manual Integrations

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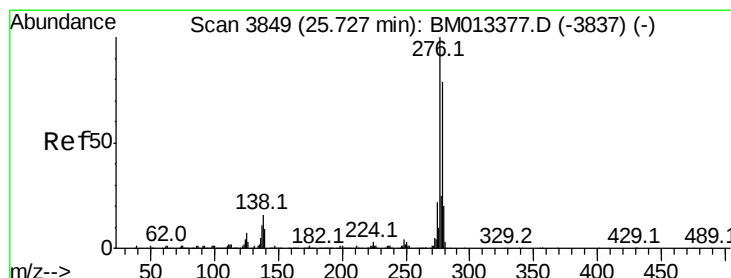
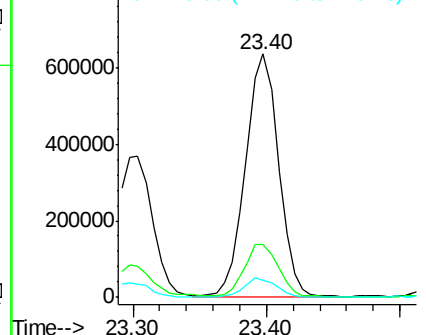
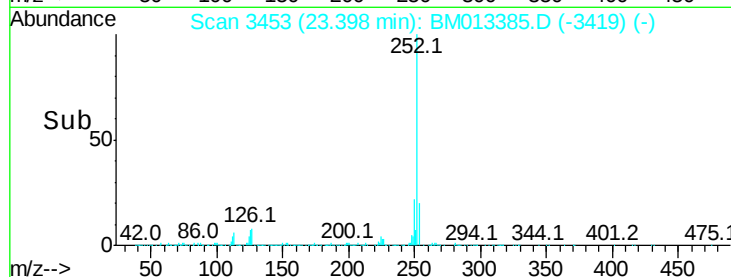


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

23.40



#89

Indeno(1,2,3-cd)pyrene

Concen: 4.093 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. -0.01 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

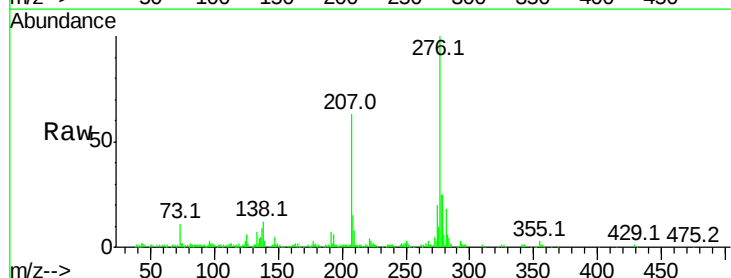
Tgt Ion:276 Resp: 286216

Ion Ratio Lower Upper

276 100

138 11.9 9.3 13.9

277 25.1 19.9 29.9

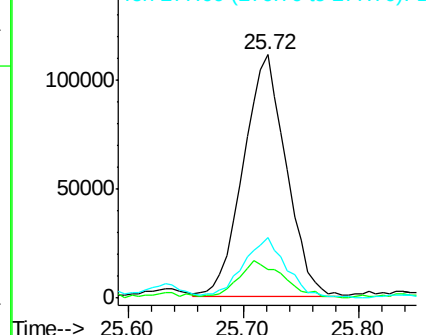
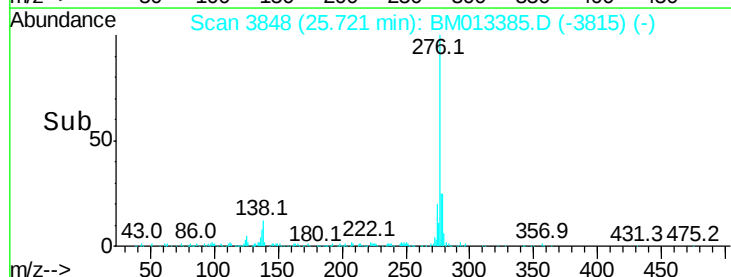


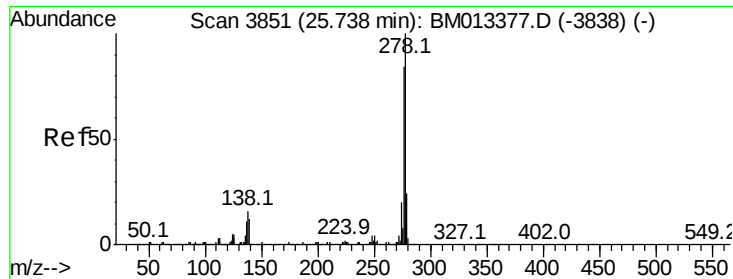
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

25.72





#90

Dibenzo(a,h)anthracene

Concen: 1.553 ng/ul m

RT: 25.72 min Scan# 3848

Delta R.T. -0.02 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Instrument :

BNA_M

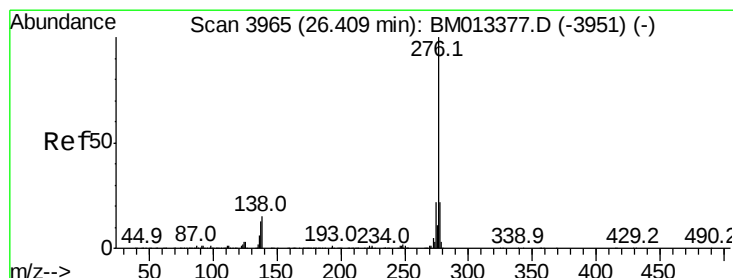
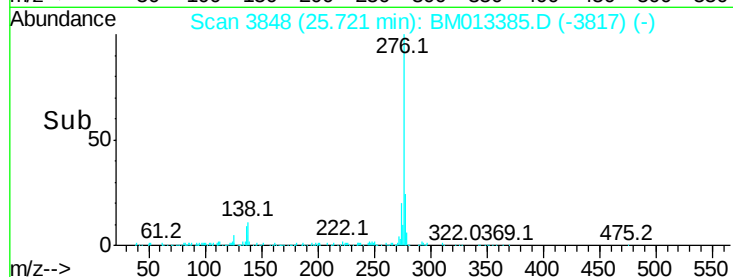
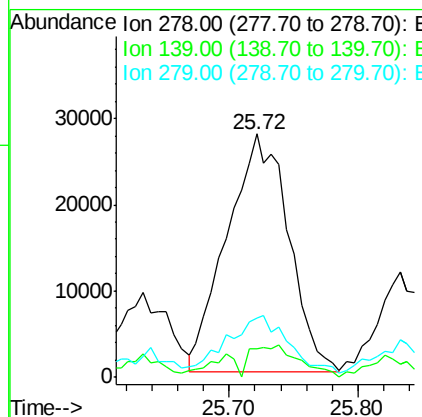
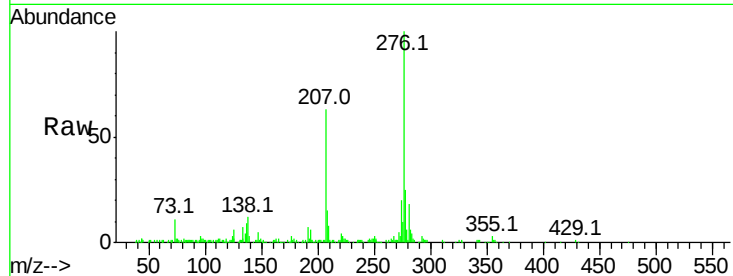
ClientSampleId :

F9A20ME

Tot Ion:	278	Resp:	92461
Ion Ratio	Lower	Upper	
278	100		
139	11.8	5.8	8.8#
279	24.5	18.6	27.8

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#91

Benzo(g,h,i)perylene

Concen: 3.003 ng/ul

RT: 26.40 min Scan# 3964

Delta R.T. -0.01 min

Lab File: BM013385.D

Acq: 13 Dec 2017 21:58

Tgt Ion:	276	Resp:	165609
Ion Ratio	Lower	Upper	
276	100		
138	21.5	8.5	12.7#
277	26.0	18.6	28.0

