

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
 Data File : BM013976.D
 Acq On : 30 Jan 2018 02:05
 Operator : SJ/JU
 Sample : J1244-11DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B52DL

Manual Integrations
 APPROVED

Sohil
 1/30/2018 3:34:24 PM

Quant Time: Jan 30 04:01:39 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 30 02:42:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	99644	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	373282	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	231500	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	562765	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	674248	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	664426	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.13	96	4922	1.95	ng/uL	0.00
5) Phenol-d5	6.76	99	98002	12.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	57570	12.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	78252	12.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	81507	13.86	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	42007	14.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	48649	15.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	82317	13.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	85840	16.73	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	305008	15.99	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	379388	15.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	29425m	9.49	ng/ul	0.02
57) Fluorene-d10	15.22	176	266944	15.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	27754	8.19	ng/ul	0.01
70) Anthracene-d10	17.07	188	429894	15.68	ng/ul	0.00
76) Pyrene-d10	19.38	212	515449	16.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.23	264	518413	16.98	ng/ul	0.00
Target Compounds						
6) Phenol	6.79	94	12436	1.621	ng/ul#	86
28) Naphthalene	10.39	128	109057	5.873	ng/ul#	96
34) 2-Methylnaphthalene	12.02	142	159225	11.500	ng/ul	98
40) 1,1'-Biphenyl	13.05	154	60994	3.165	ng/ul	96
44) Dimethylphthalate	13.69	163	116295	6.199	ng/ul#	99
49) Acenaphthene	14.29	153	264689	17.168	ng/ul	95
53) Dibenzofuran	14.63	168	265301	11.438	ng/ul	95
58) Fluorene	15.28	166	275458	14.498	ng/ul	98
69) Phenanthrene	17.02	178	1379438	44.097	ng/ul	100
71) Anthracene	17.11	178	150291	4.658	ng/ul	97
72) Carbazole	17.40	167	41692	1.565	ng/ul#	94
74) Fluoranthene	19.04	202	833498	22.322	ng/ul#	97
77) Pyrene	19.41	202	556630	13.580	ng/ul	99
80) Benzo(a)anthracene	21.16	228	122080	2.996	ng/ul	98
82) Chrysene	21.22	228	102192	2.734	ng/ul	96
85) Benzo(b)fluoranthene	22.72	252	57210	1.402	ng/ul#	98

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

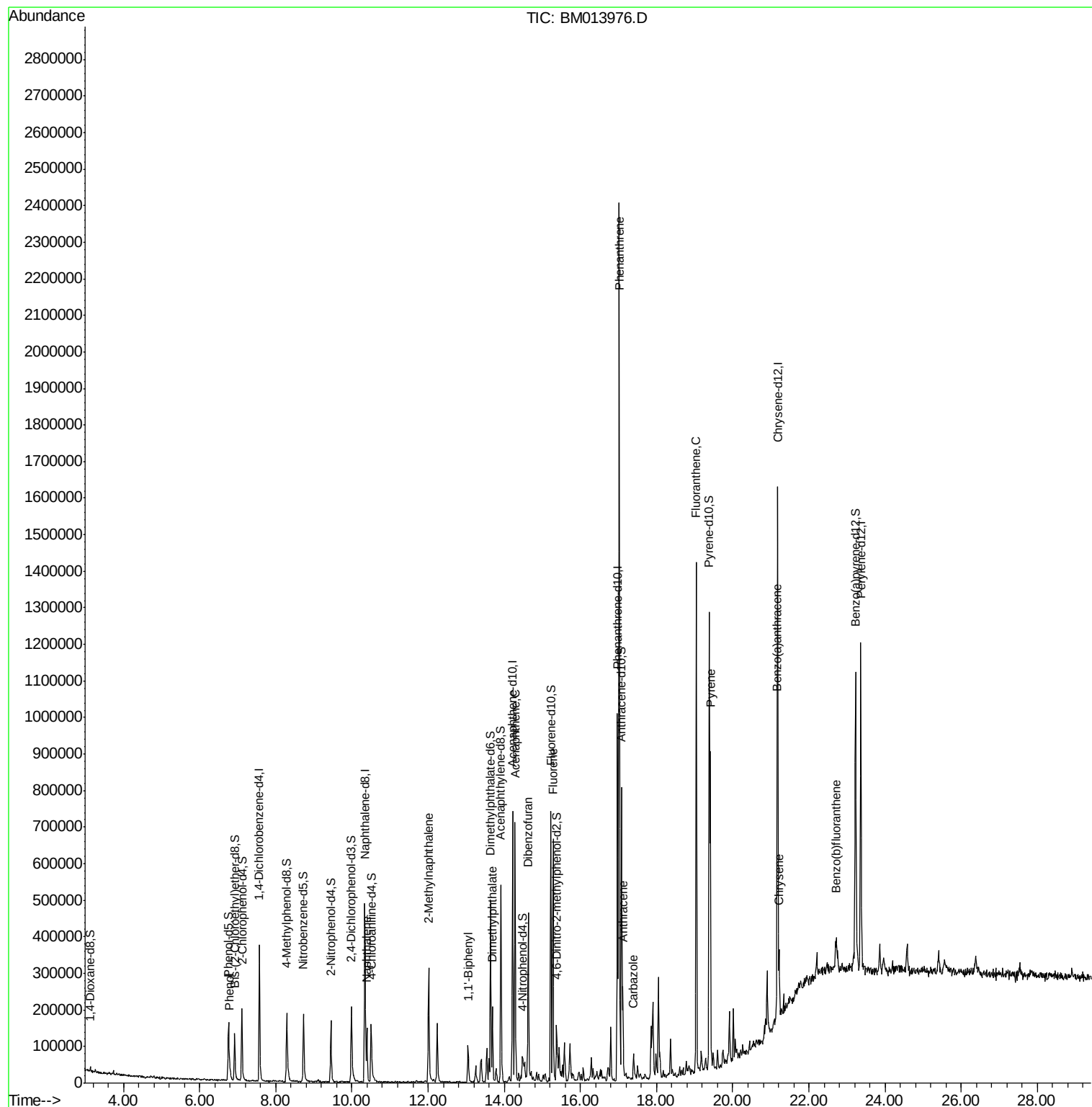
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013976.D
Acq On : 30 Jan 2018 02:05
Operator : SJ/JU
Sample : J1244-11DL 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

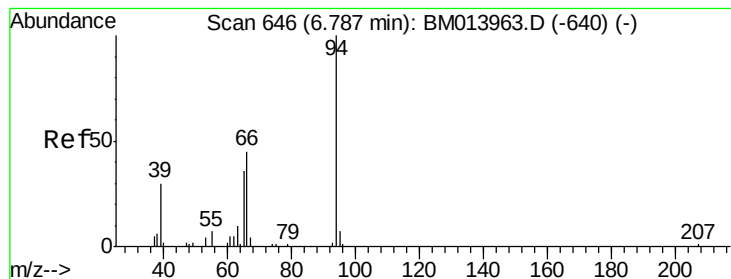
Instrument :
BNA_M
ClientSampleId :
F6B52DL

Manual Integrations
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1/30/2018 3:34:24 PM

Quant Time: Jan 30 04:01:39 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 30 02:42:12 2018
Response via : Initial Calibration





#6

Phenol

Concen: 1.621 ng/ul

RT: 6.79 min Scan# 646

Delta R.T. -0.00 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

Instrument :

BNA_M

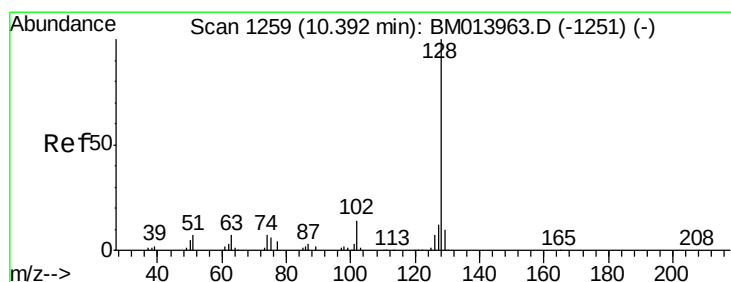
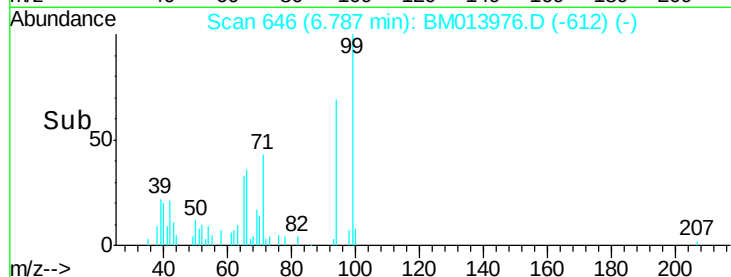
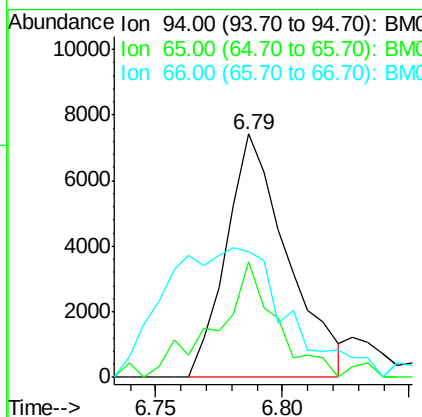
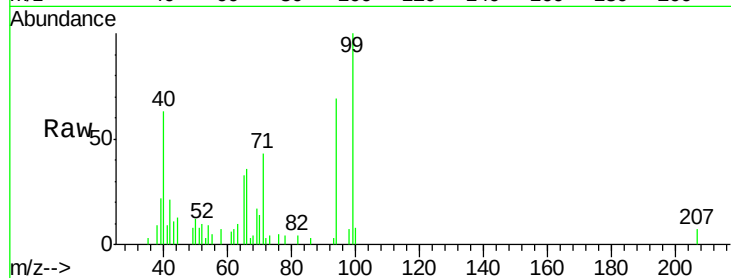
ClientSampled :

F6B52DL

Tot Ion:	94	Resp:	12436
Ion	Ratio	Lower	Upper
94	100		
65	47.4	28.2	42.4#
66	51.5	47.2	70.8

Manual Integrations
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#28

Naphthalene

Concen: 5.873 ng/ul

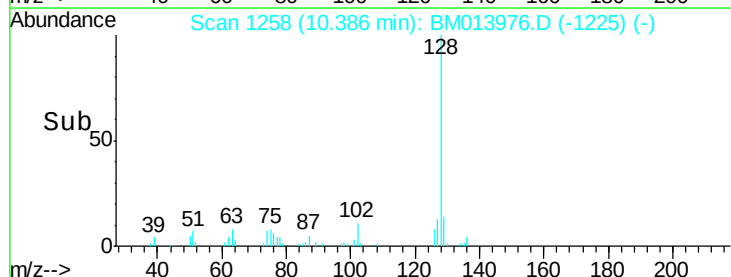
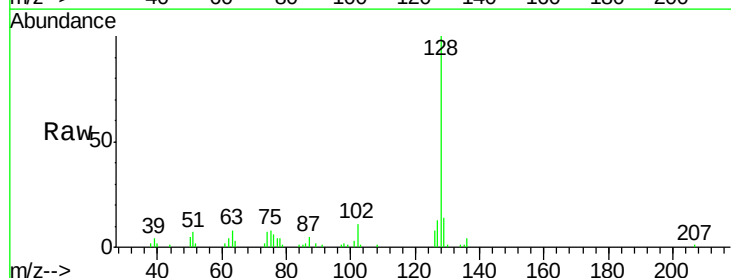
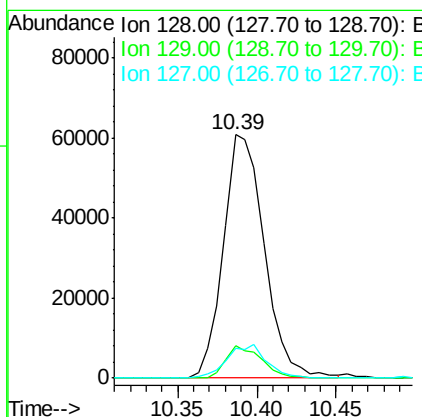
RT: 10.39 min Scan# 1258

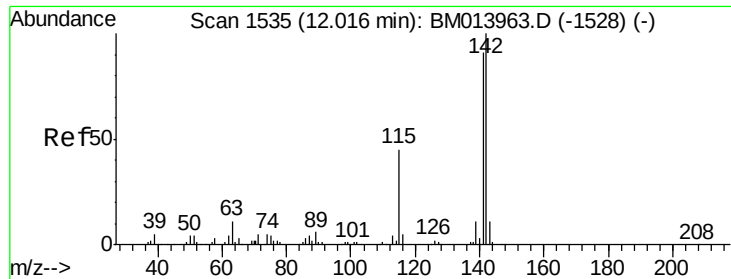
Delta R.T. -0.01 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

Tgt Ion:	128	Resp:	109057
Ion	Ratio	Lower	Upper
128	100		
129	13.6	8.8	13.2#
127	12.5	10.6	16.0





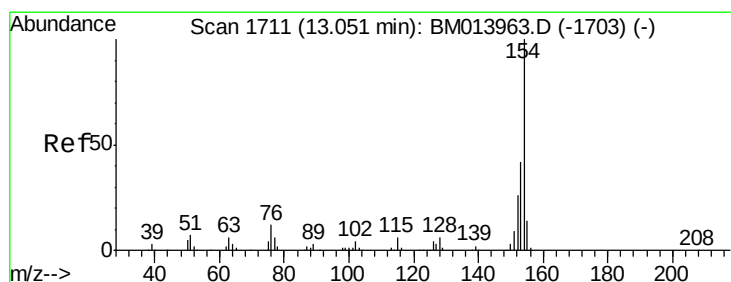
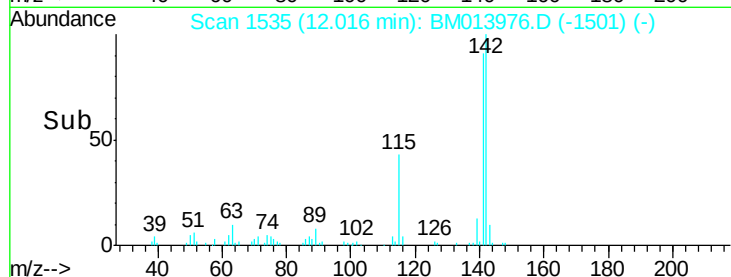
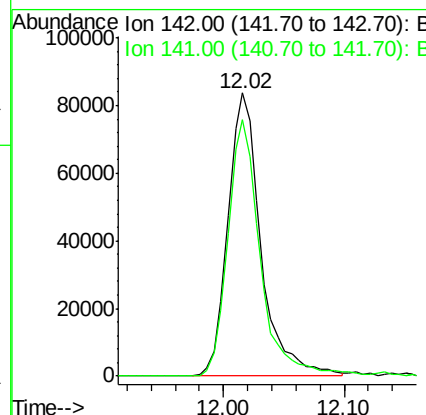
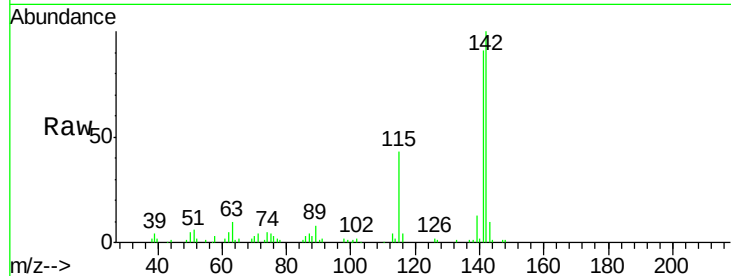
#34
 2-Methylnaphthalene
 Concen: 11.500 ng/ul
 RT: 12.02 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: BM013976.D
 Acq: 30 Jan 2018 02:05

Instrument :
 BNA_M
 ClientSampleId :
 F6B52DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.7	74.1	111.1

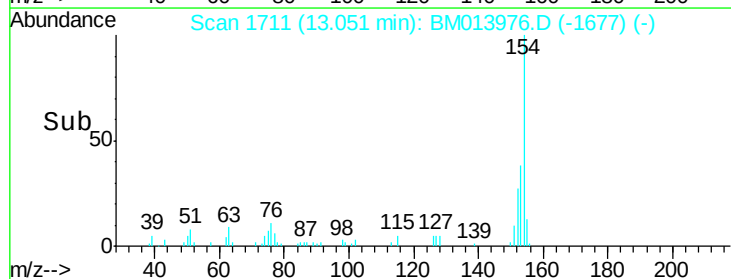
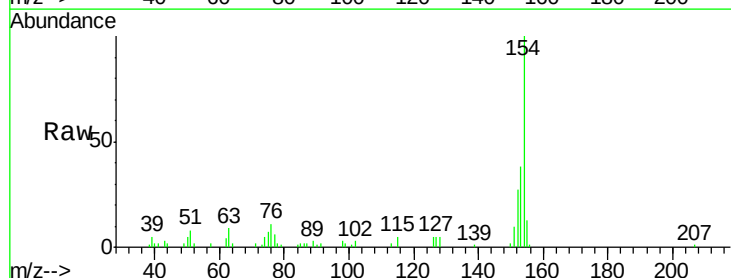
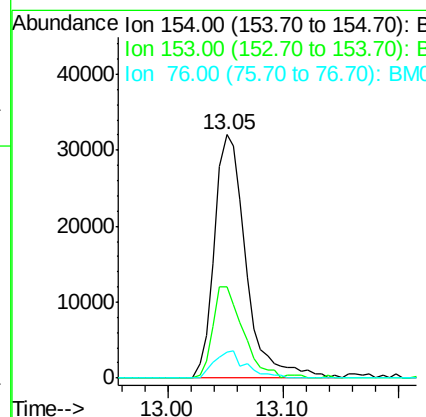
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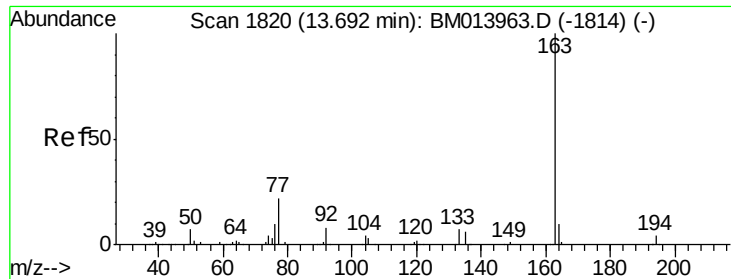
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#40
 1,1'-Biphenyl
 Concen: 3.165 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BM013976.D
 Acq: 30 Jan 2018 02:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.7	32.6	48.8
76	10.9	8.5	12.7





#44

Dimethylphthalate

Concen: 6.199 ng/ul

RT: 13.69 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

Instrument :

BNA_M

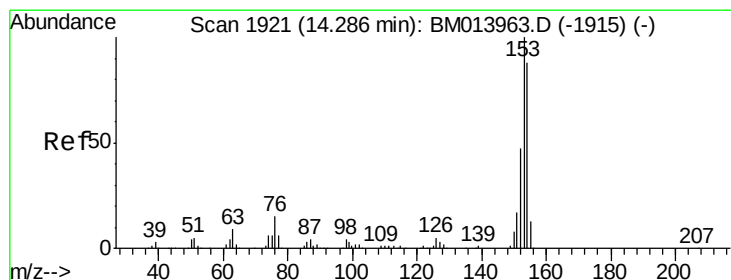
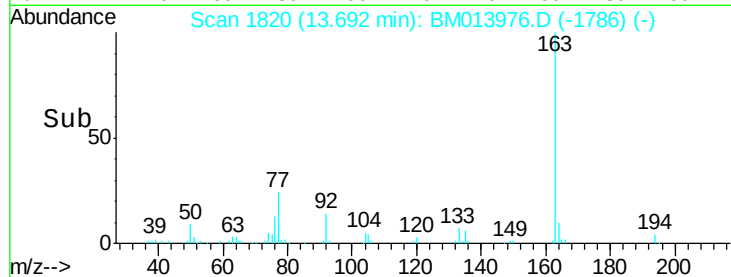
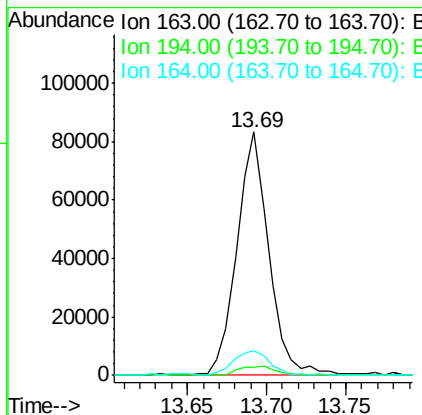
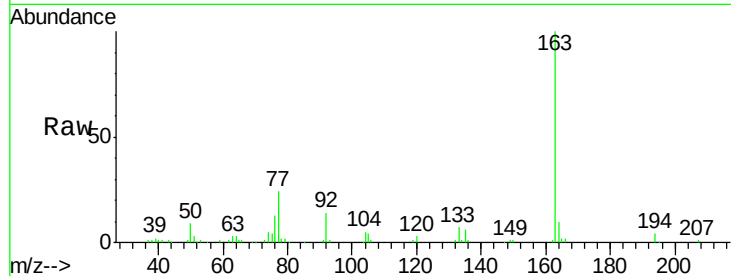
ClientSampled :

F6B52DL

Tot Ion:	163	Resp:	116295
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.5	5.3#
164	10.4	8.2	12.4

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#49

Acenaphthene

Concen: 17.168 ng/ul

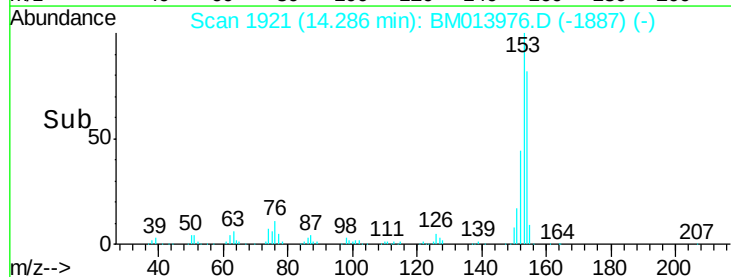
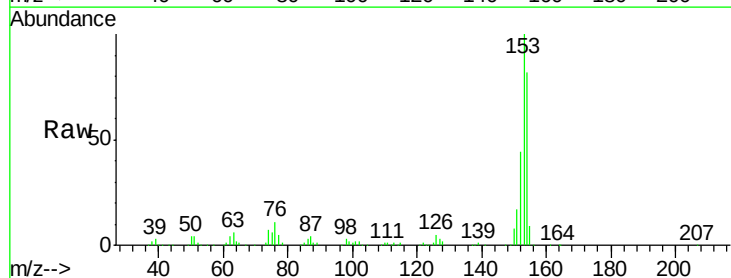
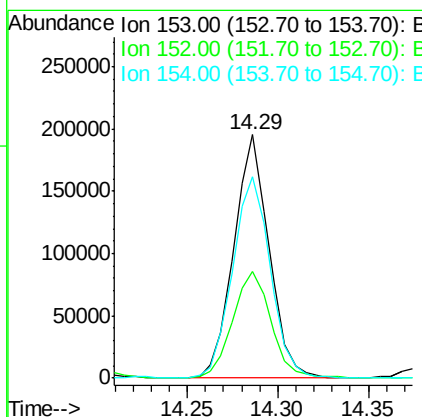
RT: 14.29 min Scan# 1921

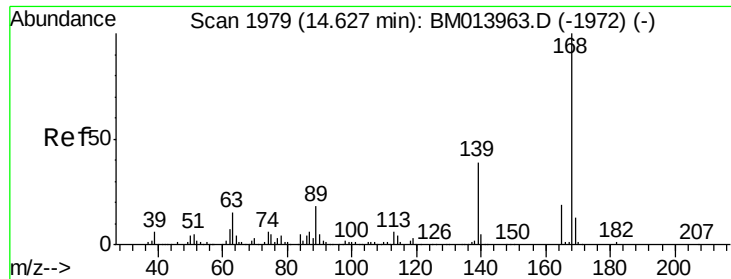
Delta R.T. -0.00 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

Tgt Ion:	153	Resp:	264689
Ion Ratio	Lower	Upper	
153	100		
152	44.1	37.6	56.4
154	82.4	70.4	105.6





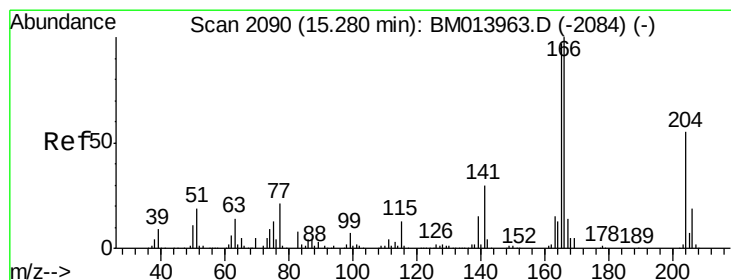
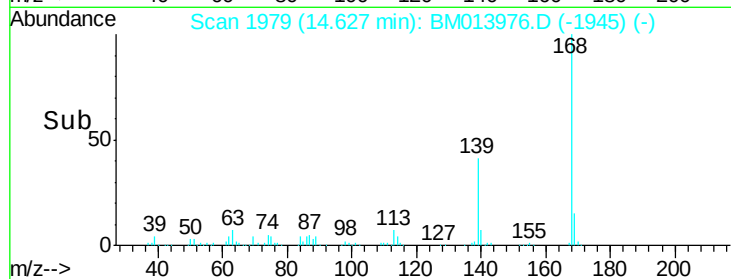
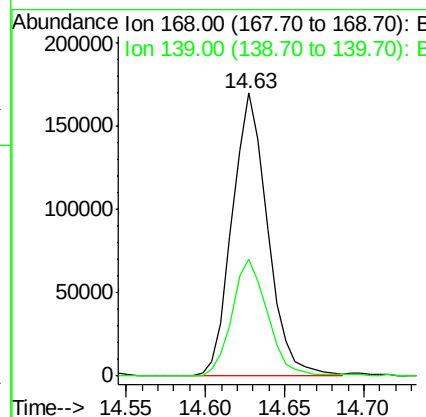
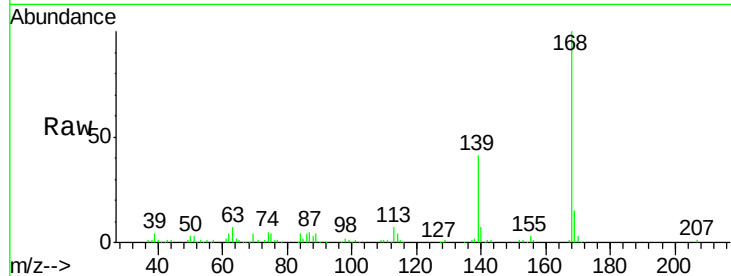
#53
Dibenzenofuran
Concen: 11.438 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BM013976.D
Acq: 30 Jan 2018 02:05

Instrument :
BNA_M
ClientSampleId :
F6B52DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.3	30.8	46.2

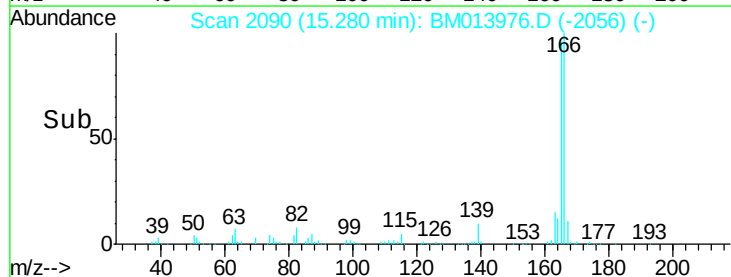
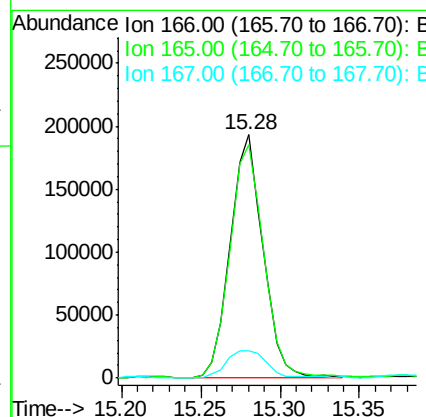
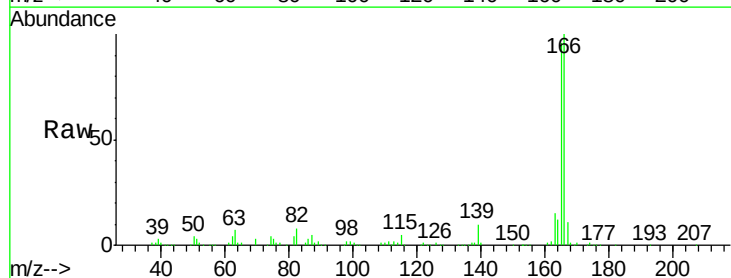
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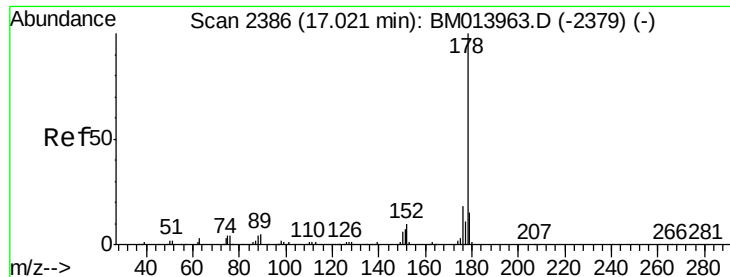
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#58
Fluorene
Concen: 14.498 ng/ul
RT: 15.28 min Scan# 2090
Delta R.T. -0.00 min
Lab File: BM013976.D
Acq: 30 Jan 2018 02:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.8	77.9	116.9
167	11.4	10.6	16.0





#69

Phenanthrene

Concen: 44.097 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.00 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

Instrument :

BNA_M

ClientSampled :

F6B52DL

Tot Ion:178 Resp: 1379438

Ion Ratio Lower Upper

178 100

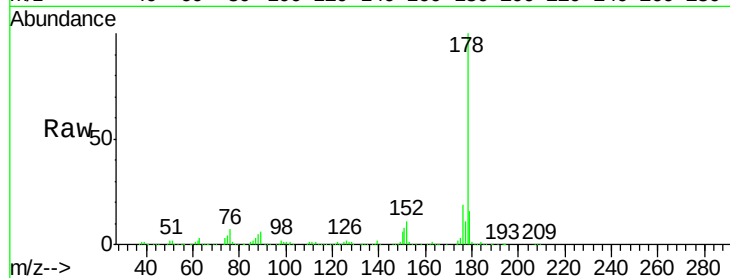
179 15.7 12.6 19.0

176 18.7 14.9 22.3

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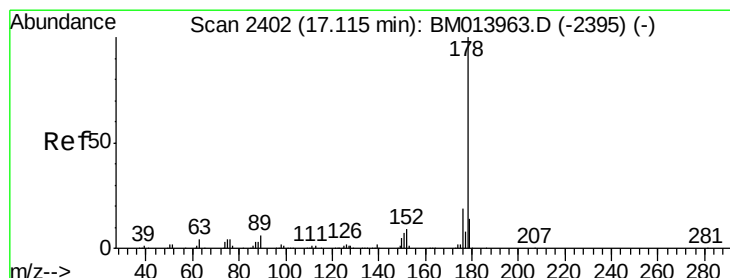
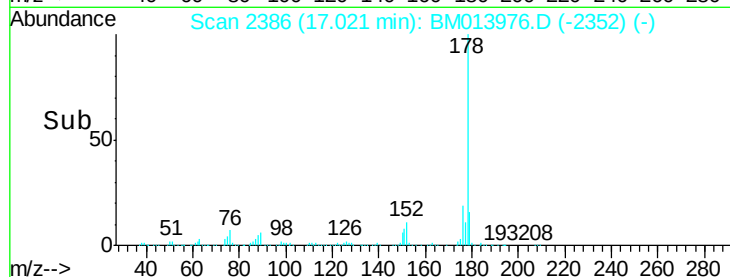
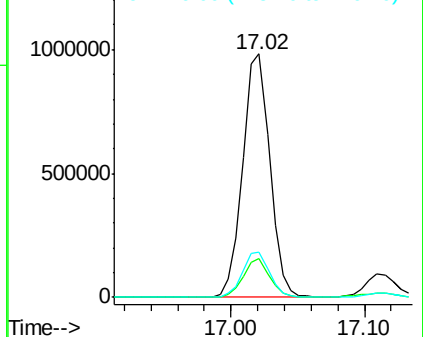
1/30/2018 3:34:24 PM



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: 4.658 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

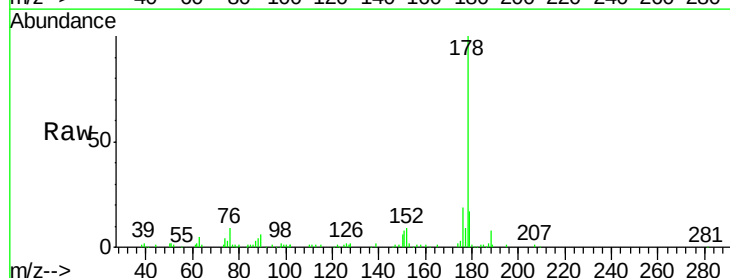
Tgt Ion:178 Resp: 150291

Ion Ratio Lower Upper

178 100

179 17.2 11.7 17.5

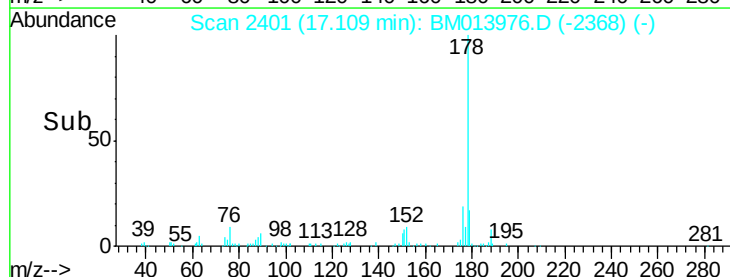
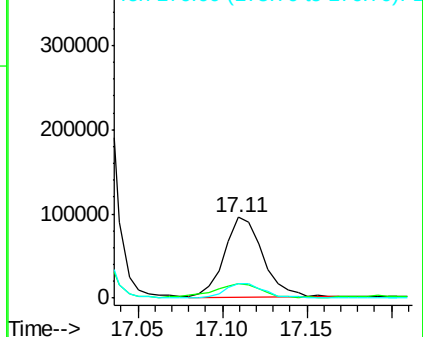
176 18.5 14.6 21.8

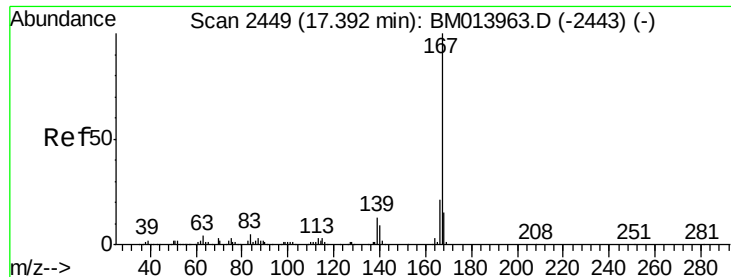


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.565 ng/ul

RT: 17.40 min Scan# 2450

Delta R.T. 0.01 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

Instrument :

BNA_M

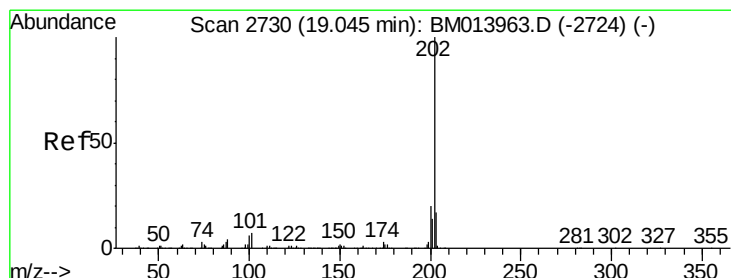
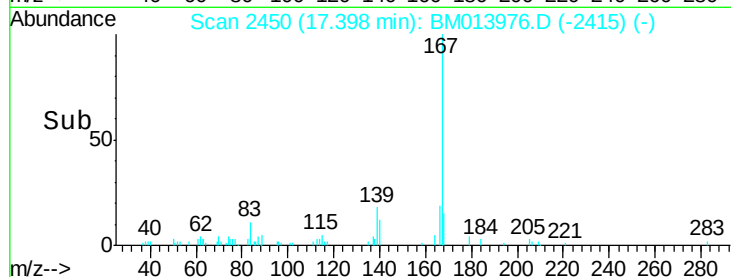
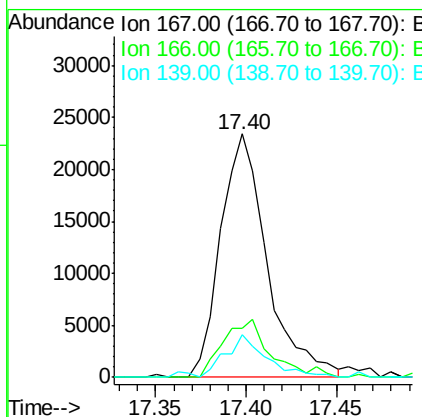
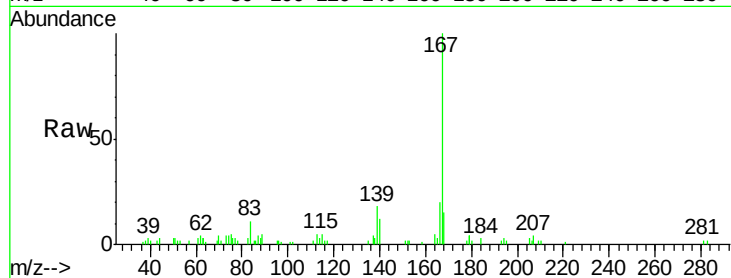
ClientSampleId :

F6B52DL

Tot Ion:	167	Resp:	41692
Ion Ratio	Lower	Upper	
167	100		
166	20.4	17.1	25.7
139	17.6	10.0	15.0#

Manual Integrations
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#74

Fluoranthene

Concen: 22.322 ng/ul

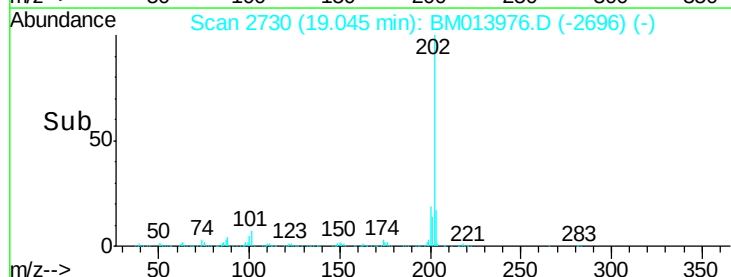
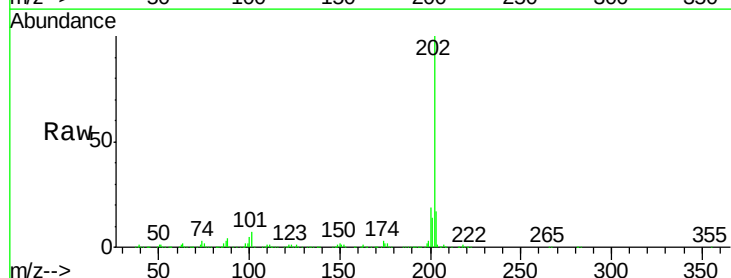
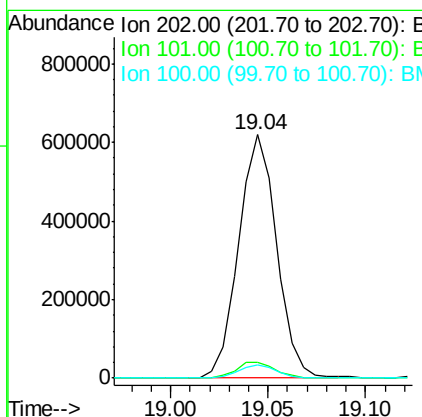
RT: 19.04 min Scan# 2730

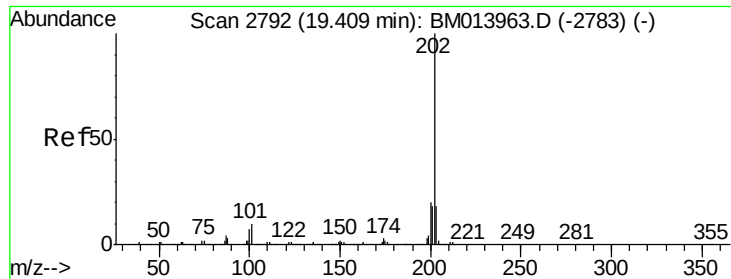
Delta R.T. -0.00 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

Tgt Ion:	202	Resp:	833498
Ion Ratio	Lower	Upper	
202	100		
101	6.7	4.6	7.0
100	5.3	3.4	5.2#





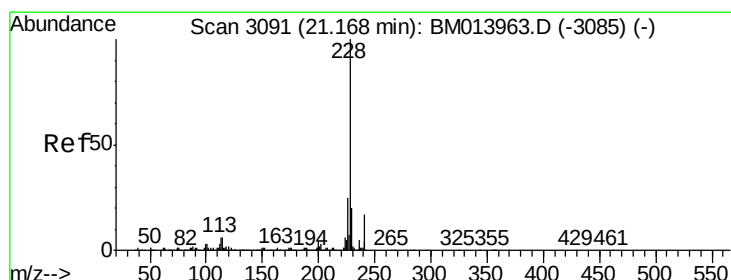
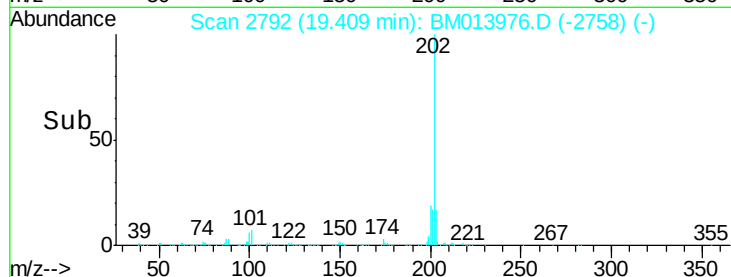
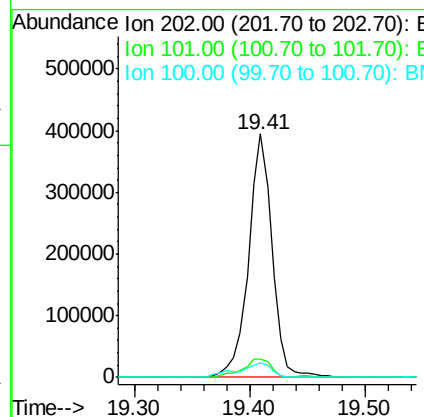
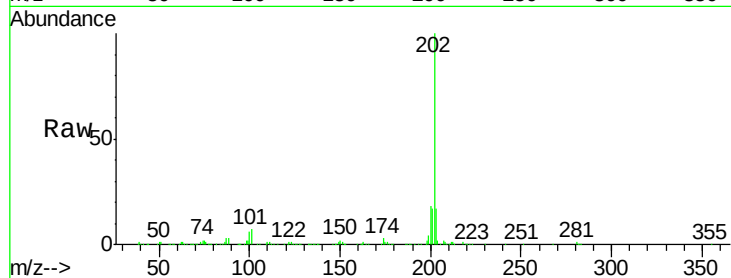
#77
Pvrene
Concen: 13.580 ng/ul
RT: 19.41 min Scan# 2792
Delta R.T. -0.00 min
Lab File: BM013976.D
Acq: 30 Jan 2018 02:05

Instrument :
BNA_M
ClientSampled :
F6B52DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.3	5.1	7.7
100	6.2	4.9	7.3

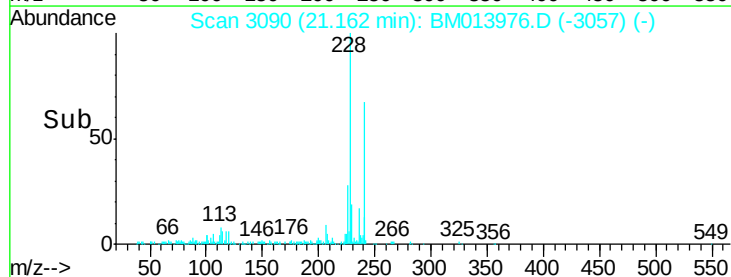
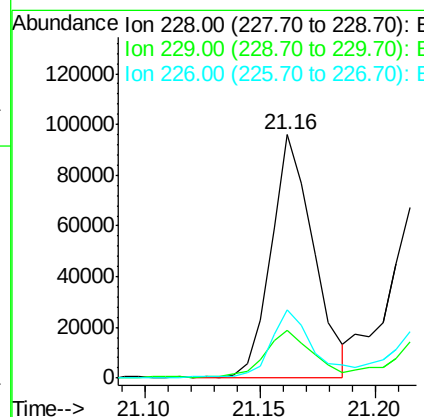
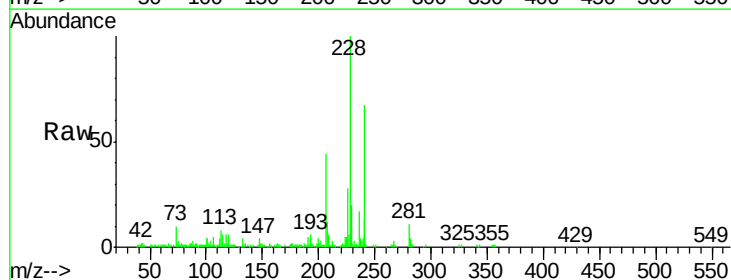
Manual Integrations
APPROVED

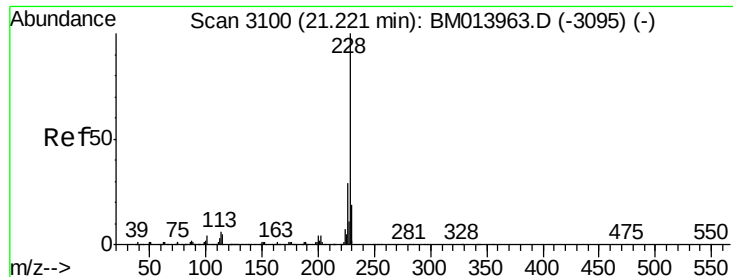
Sohil
1/30/2018 3:34:24 PM



#80
Benzo(a)anthracene
Concen: 2.996 ng/ul
RT: 21.16 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM013976.D
Acq: 30 Jan 2018 02:05

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	19.7	15.4	23.0
226	27.8	21.4	32.0





#82

Chrysene

Concen: 2.734 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

Instrument :

BNA_M

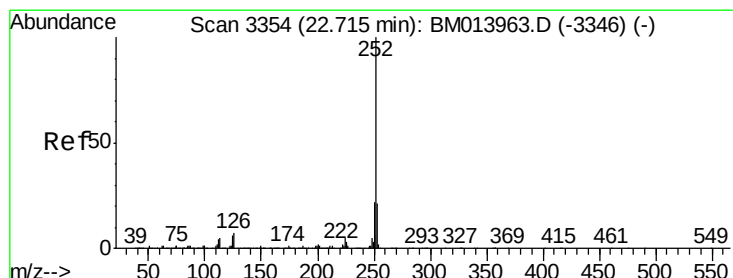
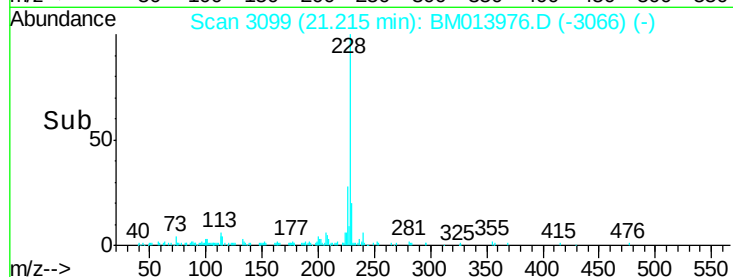
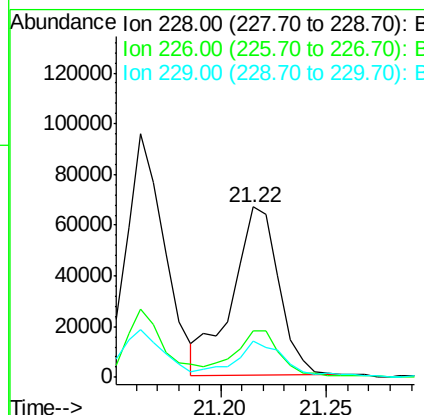
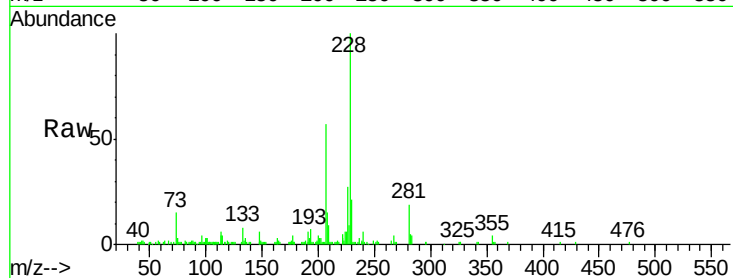
ClientSampleId :

F6B52DL

Tot Ion:	228	Resp:	102192
Ion Ratio	Lower	Upper	
228	100		
226	27.4	23.4	35.2
229	21.3	15.5	23.3

Manual Integrations
APPROVED

Sohil
1/30/2018 3:34:24 PM



#85

Benzo(b)fluoranthene

Concen: 1.402 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

Tgt Ion:	252	Resp:	57210
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	8.6	3.6	5.4#

