

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090717\
 Data File : BF098323.D
 Acq On : 7 Sep 2017 19:41
 Operator : SJ/JU
 Sample : I5052-12 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G27A-1.5-3

Manual Integrations
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 9/8/2017 5:45:22 PM

Quant Time: Sep 08 02:28:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	107950	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	404801	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	165965	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	290408	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	254387	20.00	ng	-0.02
86) Perylene-d12	15.26	264	186963	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	124600	17.56	ng	-0.02
7) Phenol-d6	6.33	99	167237	17.34	ng	-0.02
23) Nitrobenzene-d5	7.25	82	93827	12.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	22167	15.39	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	146578	12.98	ng	-0.02
78) Terphenyl-d14	12.79	244	106714	8.75	ng	-0.02
Target Compounds						
74) Fluoranthene	12.42	202	42223	2.614	ng	96
77) Pyrene	12.64	202	42729	2.054	ng	98
87) Benzo(b)fluoranthene	14.86	252	42213m	3.582	ng	

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

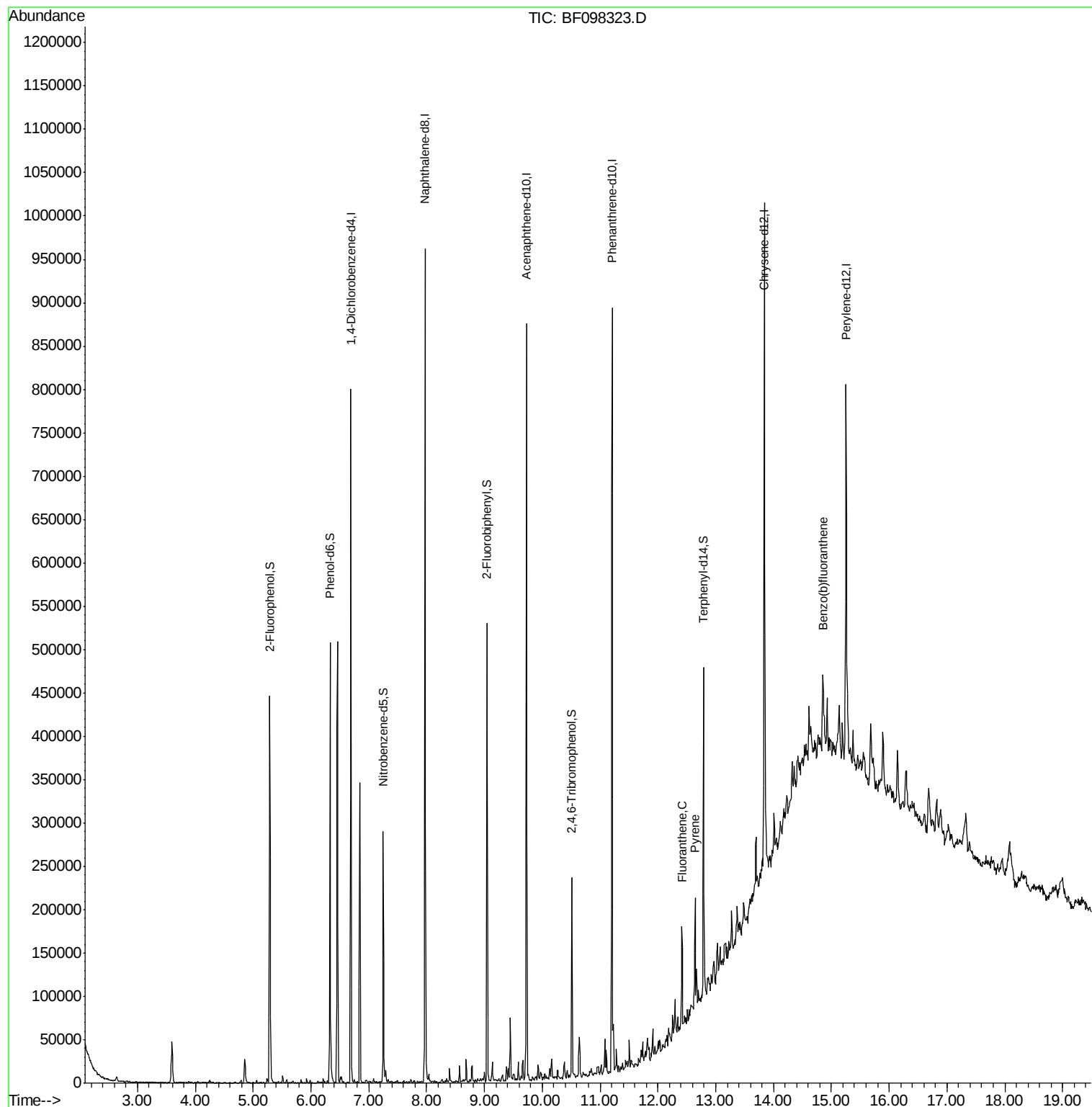
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098323.D
Acq On : 7 Sep 2017 19:41
Operator : SJ/JU
Sample : I5052-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

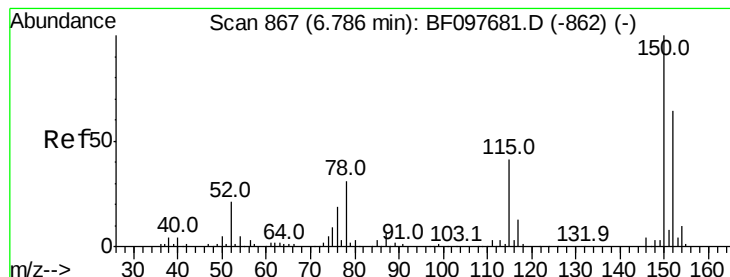
Instrument :
BNA_F
ClientSampleId :
G27A-1.5-3

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9/8/2017 5:45:22 PM

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Response via : Initial Calibration





#1

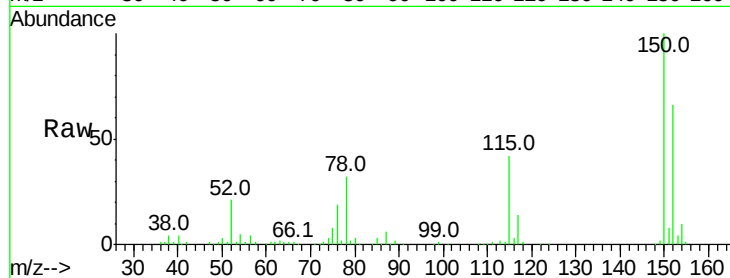
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF098323.D
Acq: 7 Sep 2017 19:41

Instrument :
BNA_F
ClientSampleId :
G27A-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	126.2	189.2
115	64.1	52.2	78.2

Manual Integrations
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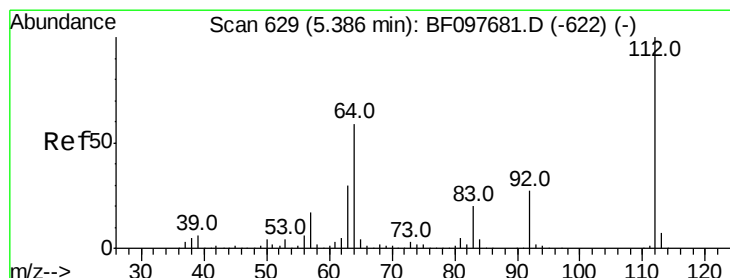
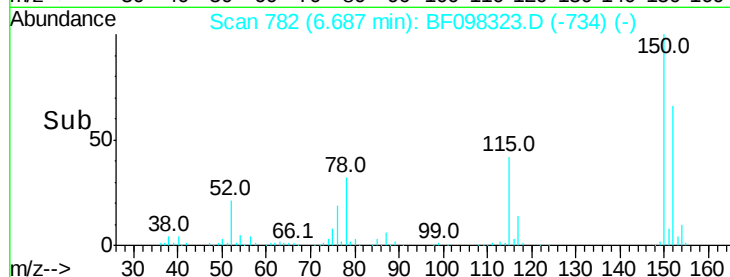
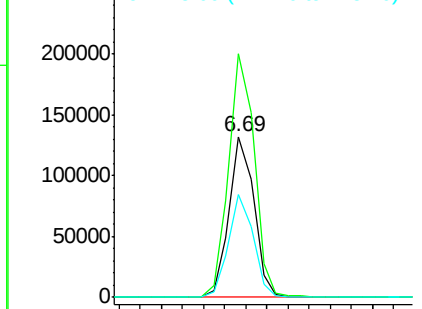


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

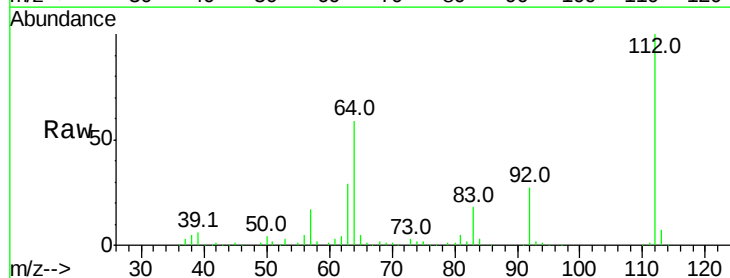
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.557 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF098323.D
Acq: 7 Sep 2017 19:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.0	69.0
63	28.9	23.4	35.0

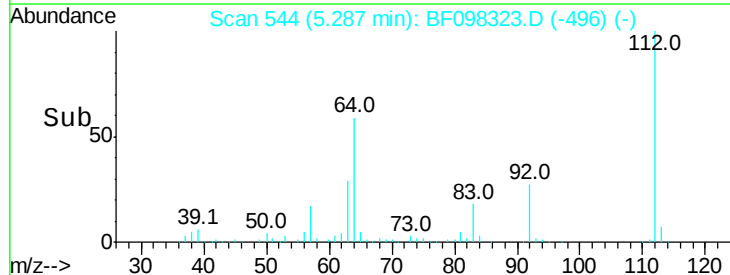
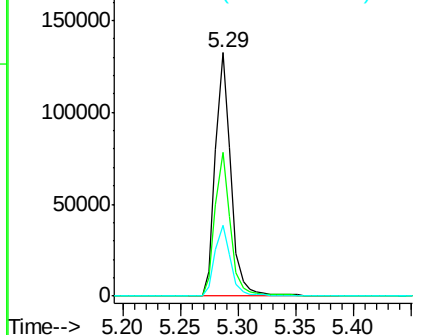


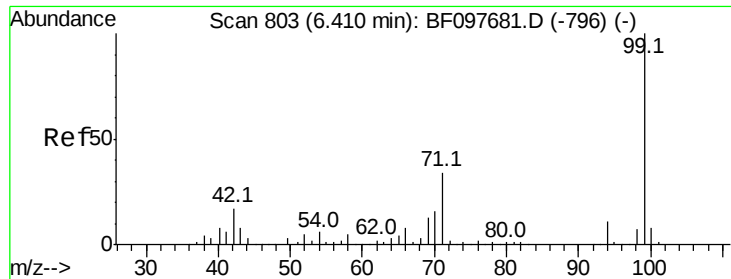
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 17.343 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Instrument :

BNA_F

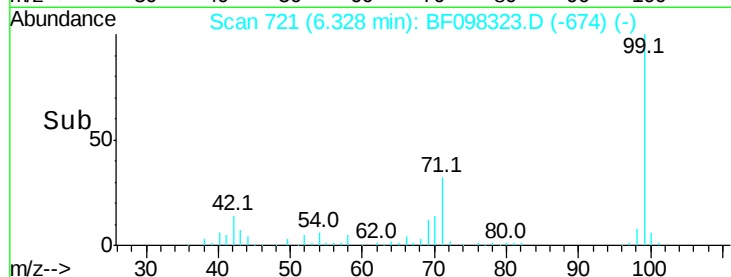
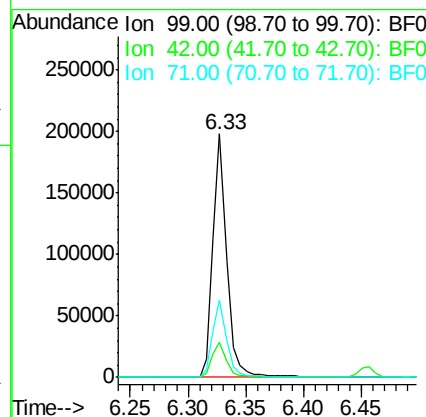
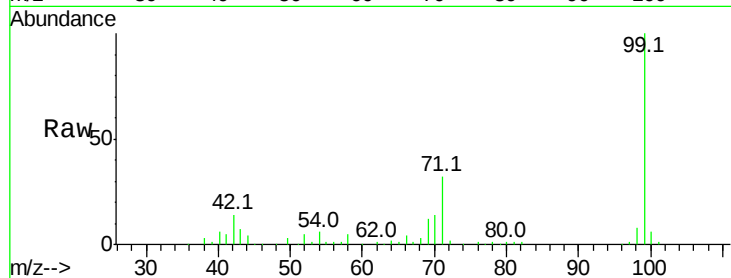
ClientSampled :

G27A-1.5-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		167237		
42	14.4	13.5	20.3		
71	31.7	24.5	36.7		

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

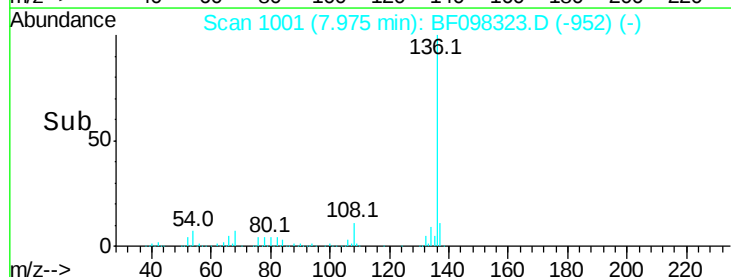
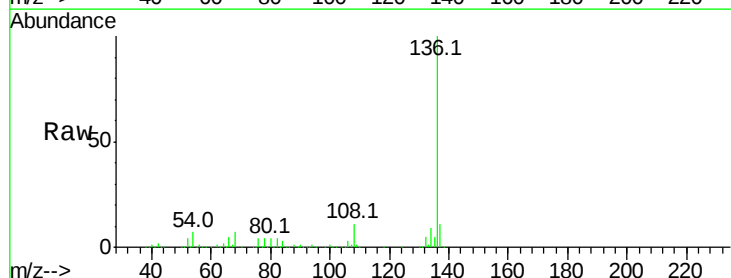
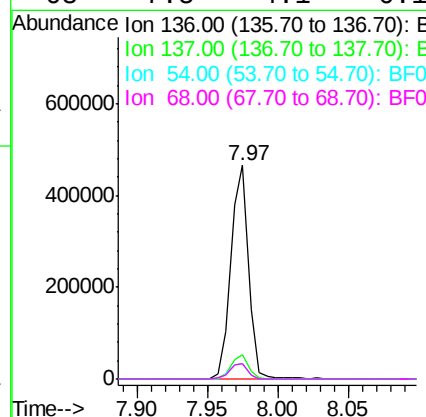
RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		404801		
137	11.3	8.5	12.7		
54	7.2	4.9	7.3		
68	7.5	4.1	6.1#		





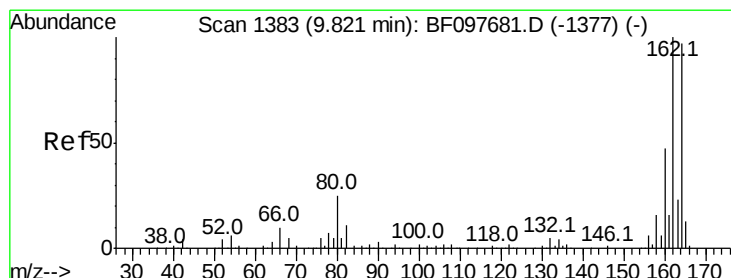
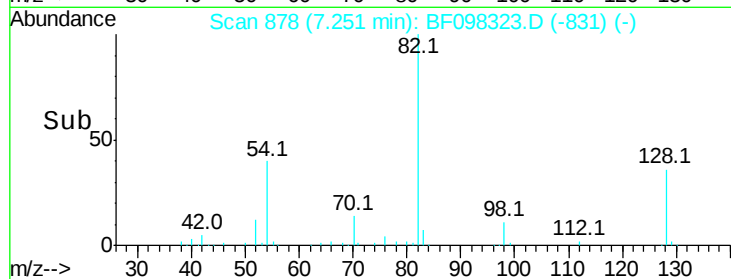
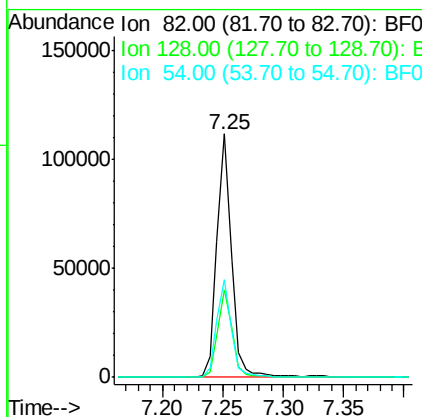
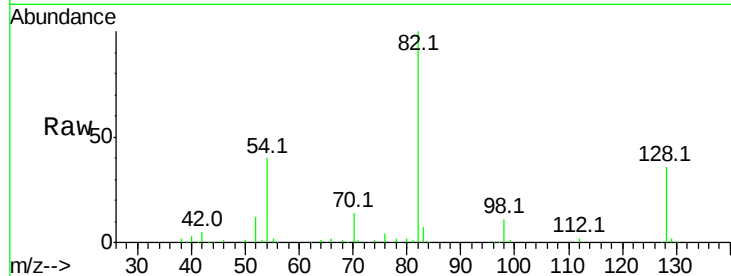
#23
 Nitrobenzene-d5
 Concen: 12.592 ng
 RT: 7.25 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: BF098323.D
 Acq: 7 Sep 2017 19:41

Instrument :
 BNA_F
 ClientSampled :
 G27A-1.5-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.0	34.0	51.0
54	40.0	42.2	63.2#

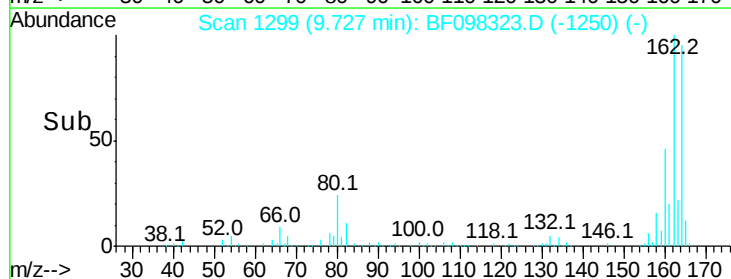
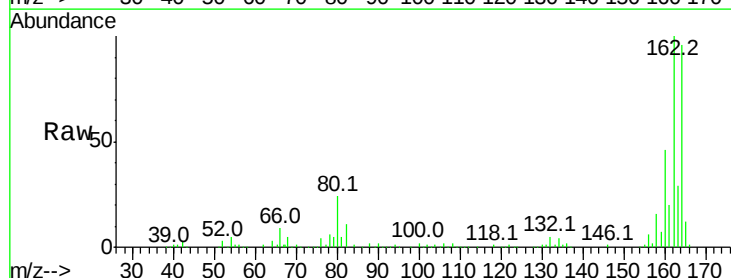
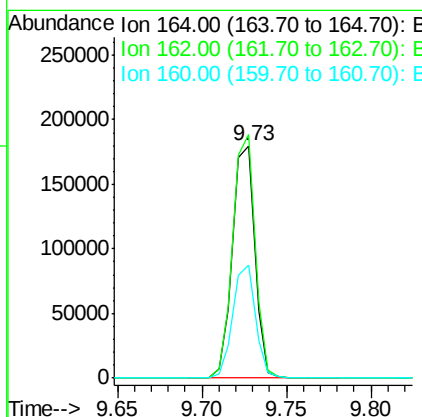
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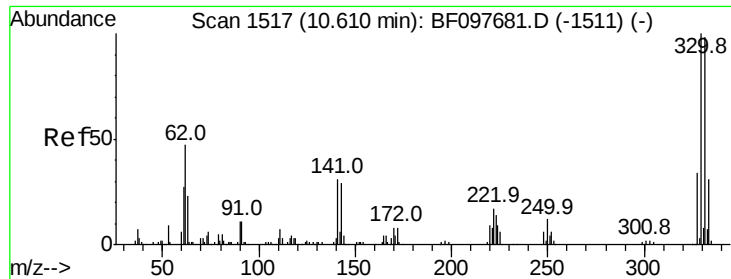
Sohil
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF098323.D
 Acq: 7 Sep 2017 19:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	48.4	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 15.394 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Instrument :

BNA_F

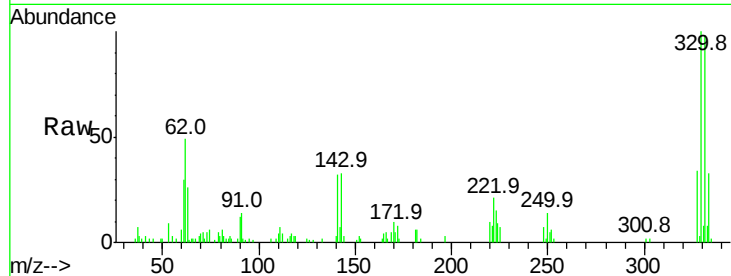
ClientSampleId :

G27A-1.5-3

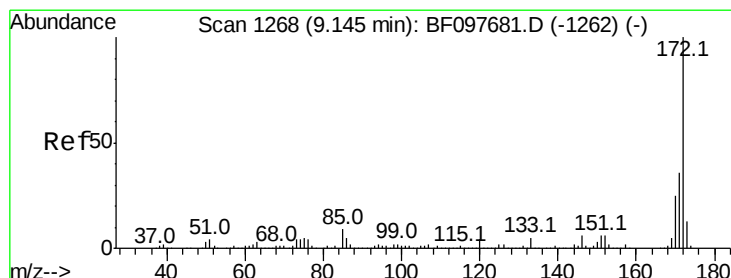
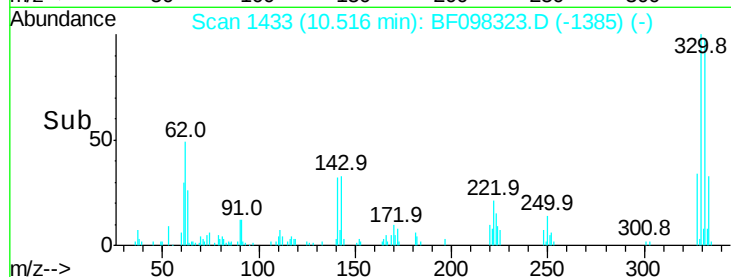
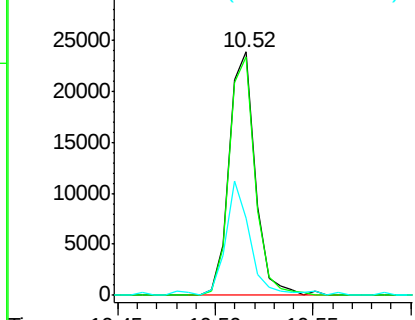
Tot Ion:	330	Resp:	22167
Ion Ratio	Lower	Upper	
330	100		
332	97.2	76.6	115.0
141	45.4	31.4	47.2

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 12.976 ng

RT: 9.05 min Scan# 1183

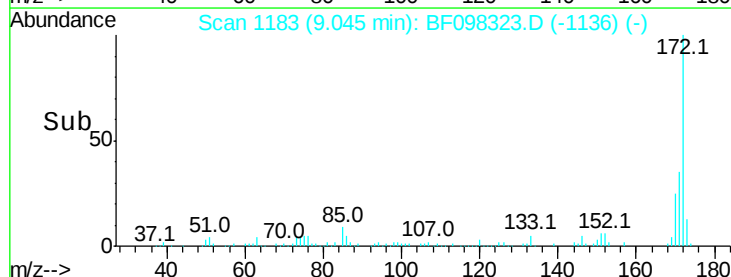
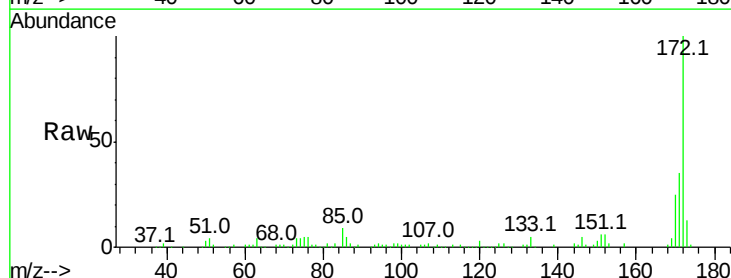
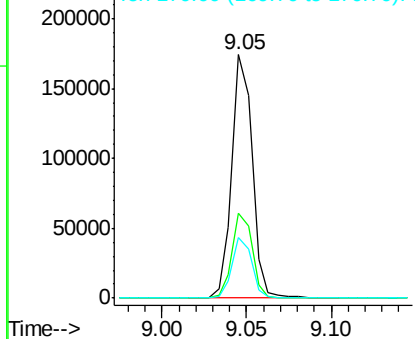
Delta R.T. -0.02 min

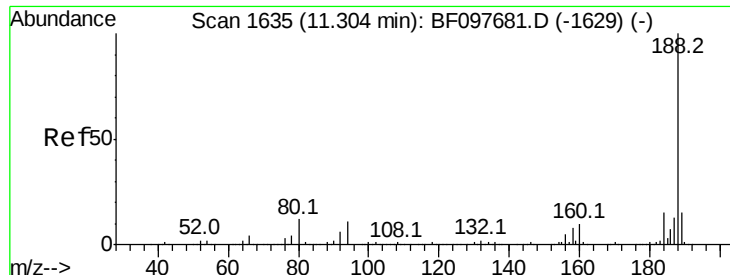
Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Tgt Ion:	172	Resp:	146578
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.6	44.4
170	24.8	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Instrument :

BNA_F

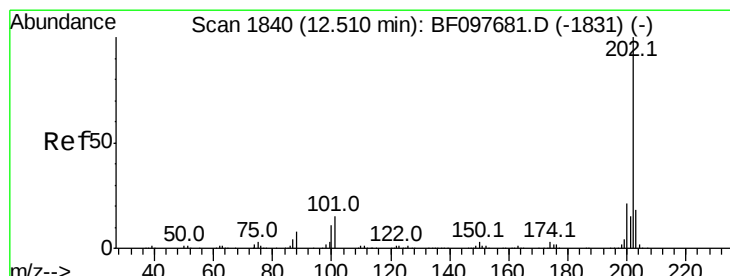
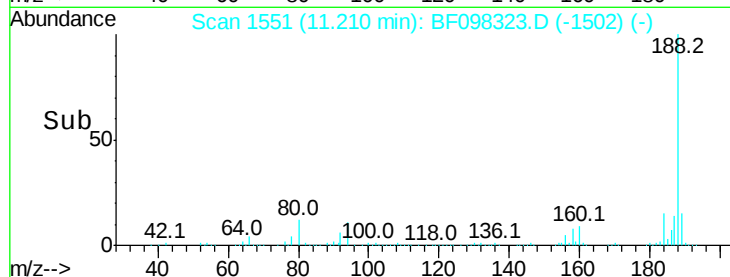
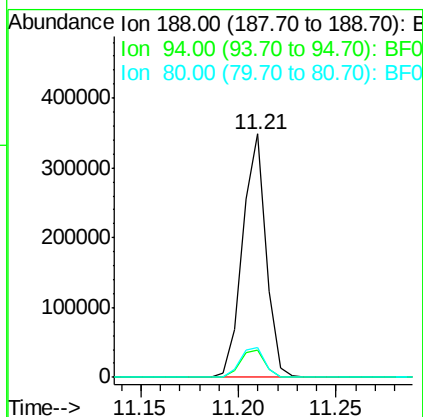
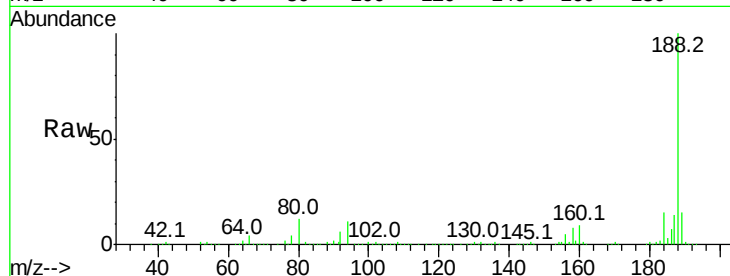
ClientSampleId :

G27A-1.5-3

Tot Ion:	188	Resp:	290408
Ion Ratio	Lower	Upper	
188	100		
94	11.3	9.4	14.2
80	12.3	10.2	15.2

Manual Integrations
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#74

Fluoranthene

Concen: 2.614 ng

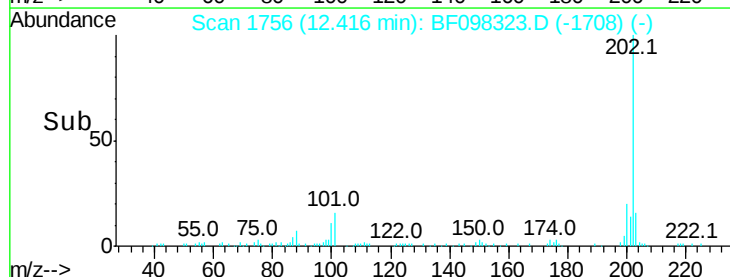
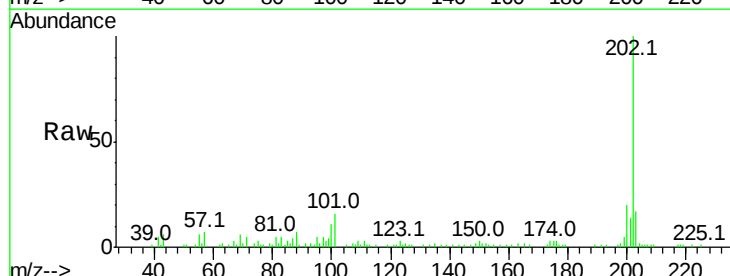
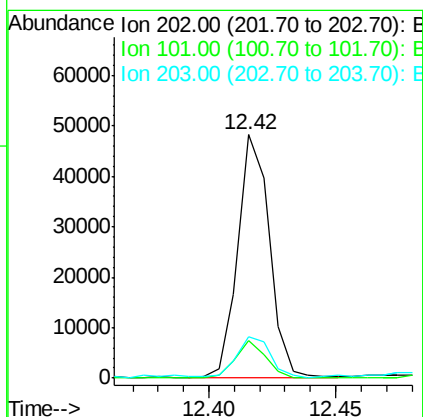
RT: 12.42 min Scan# 1756

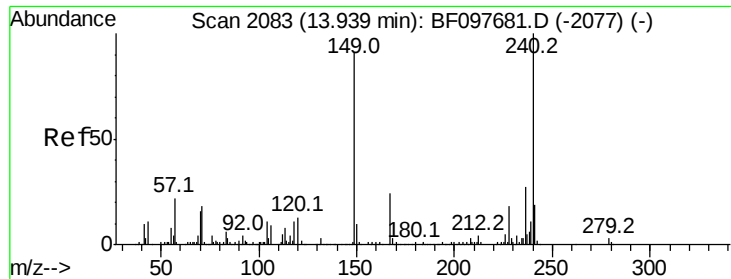
Delta R.T. -0.02 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Tgt Ion:	202	Resp:	42223
Ion Ratio	Lower	Upper	
202	100		
101	15.6	0.0	33.2
203	16.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Instrument :

BNA_F

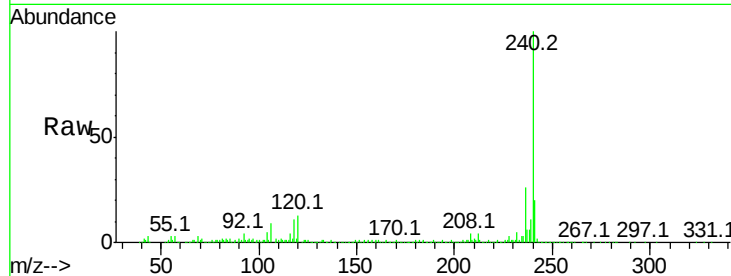
ClientSampleId :

G27A-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
240	100	254387		
120	13.2	5.8	8.8#	
236	26.1	20.5	30.7	

Manual Integrations
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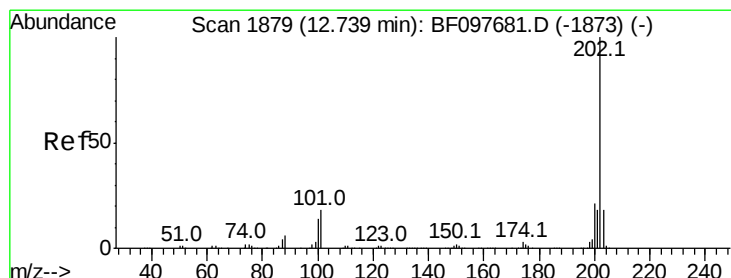
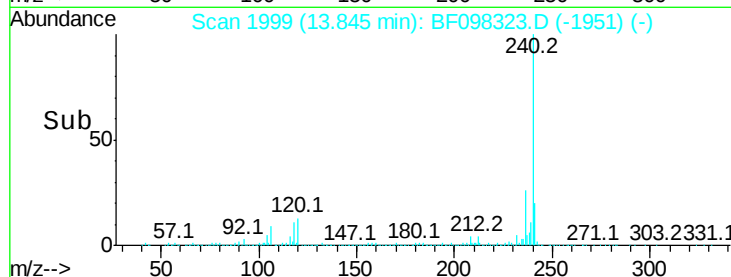
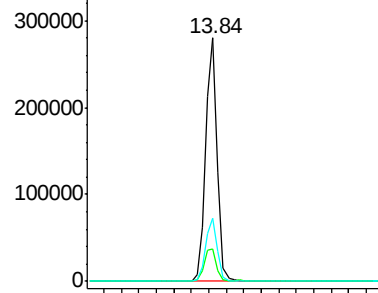
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.054 ng

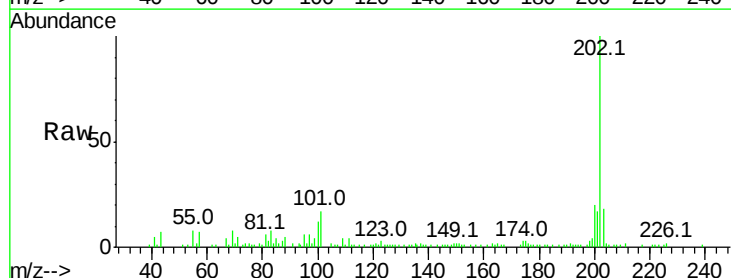
RT: 12.64 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

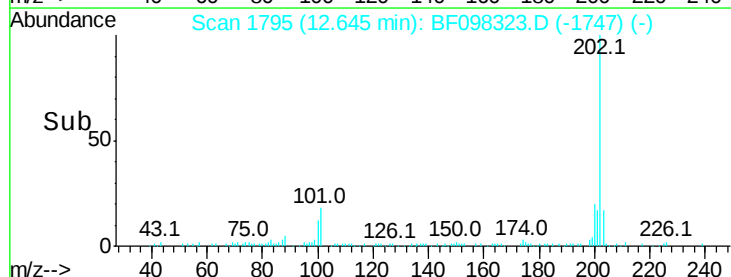
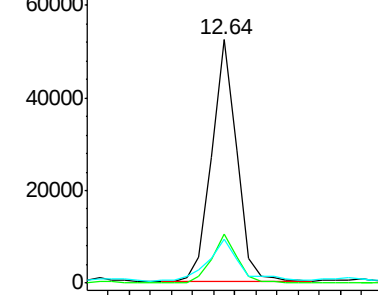
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	42729		
200	20.0	17.6	26.4	
203	18.1	14.4	21.6	

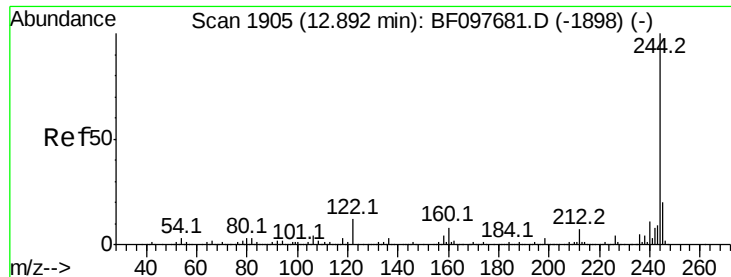


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.748 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.02 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Instrument :

BNA_F

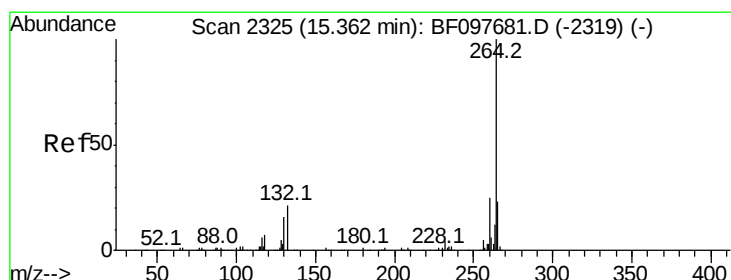
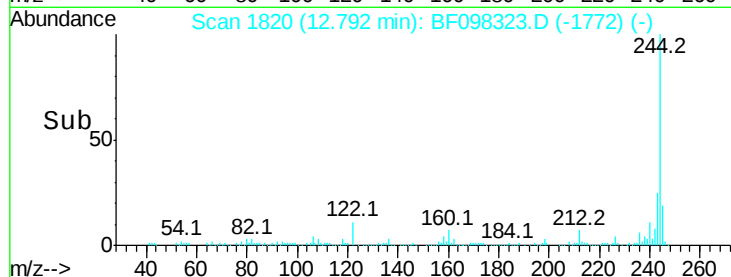
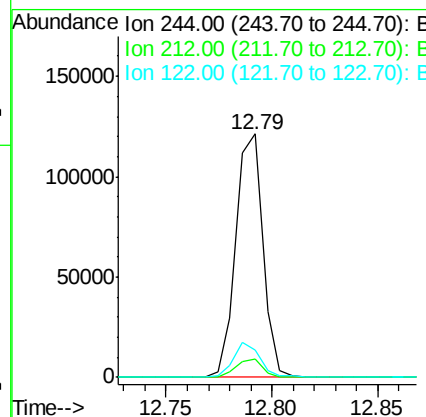
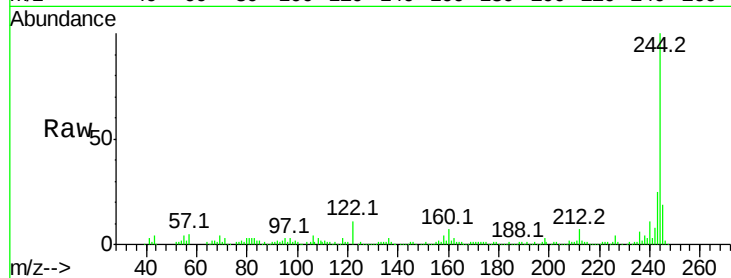
ClientSampleId :

G27A-1.5-3

Tot Ion:	244	Resp:	106714
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	11.1	10.3	15.5

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

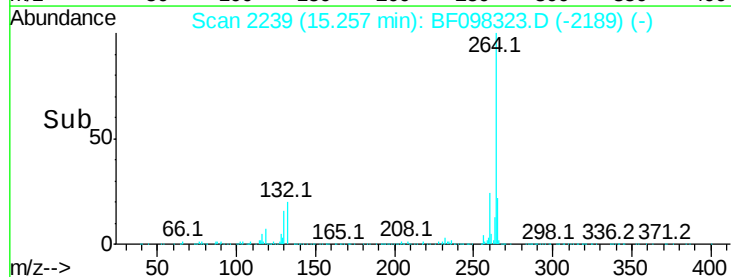
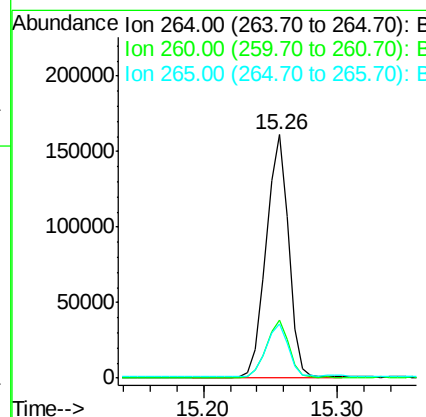
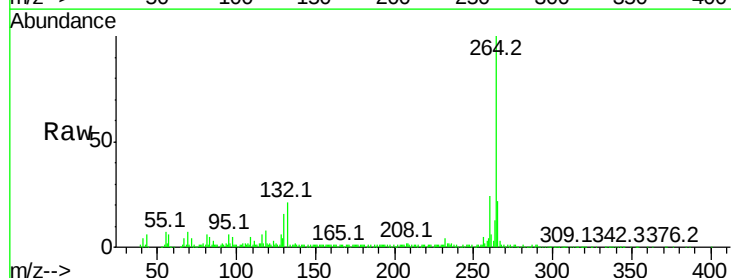
RT: 15.26 min Scan# 2239

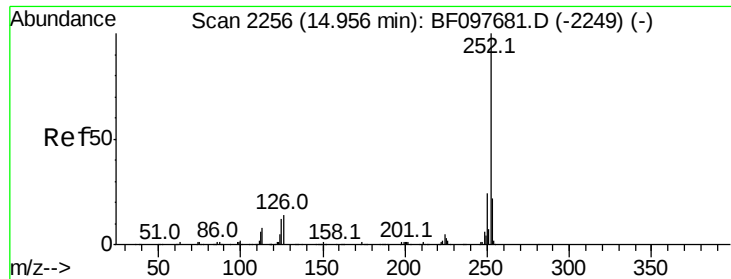
Delta R.T. -0.01 min

Lab File: BF098323.D

Acq: 7 Sep 2017 19:41

Tgt Ion:	264	Resp:	186963
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.5	29.3
265	22.2	17.2	25.8





#87
 Benzo(b)fluoranthene
 Concen: 3.582 ng m
 RT: 14.86 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BF098323.D
 Acq: 7 Sep 2017 19:41

Instrument :
 BNA_F
 ClientSampleId :
 G27A-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.1	27.1
125	23.6	9.8	14.8#

Manual Integrations
 APPROVED

Sohil
 9/8/2017 5:45:22 PM

