

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
 Data File : BF098837.D
 Acq On : 26 Sep 2017 17:31
 Operator : SJ/JU
 Sample : I5363-15 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-H-COMP

Manual Integrations
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 9/27/2017 12:44:57 PM

Quant Time: Sep 27 01:58:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	152043	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	631686	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	280207	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	452773	20.00	ng	0.00
75) Chrysene-d12	14.07	240	278502	20.00	ng	-0.01
86) Perylene-d12	15.57	264	272601	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	122498	12.83	ng	-0.02
7) Phenol-d6	6.53	99	153726	13.05	ng	-0.02
23) Nitrobenzene-d5	7.47	82	89263	9.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	26338	11.49	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	180193	10.74	ng	-0.01
78) Terphenyl-d14	13.02	244	118993	9.72	ng	-0.02
Target Compounds						
70) Phenanthrene	11.46	178	65539	2.704	ng	98
74) Fluoranthene	12.65	202	94870	3.866	ng	98
77) Pyrene	12.88	202	81364	3.831	ng	98
80) Benzo(a)anthracene	14.07	228	43040	2.552	ng	93
82) Chrysene	14.10	228	45824	2.854	ng	98
87) Benzo(b)fluoranthene	15.13	252	62360m	3.721	ng	
89) Benzo(a)pyrene	15.50	252	33488	2.177	ng	# 86

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

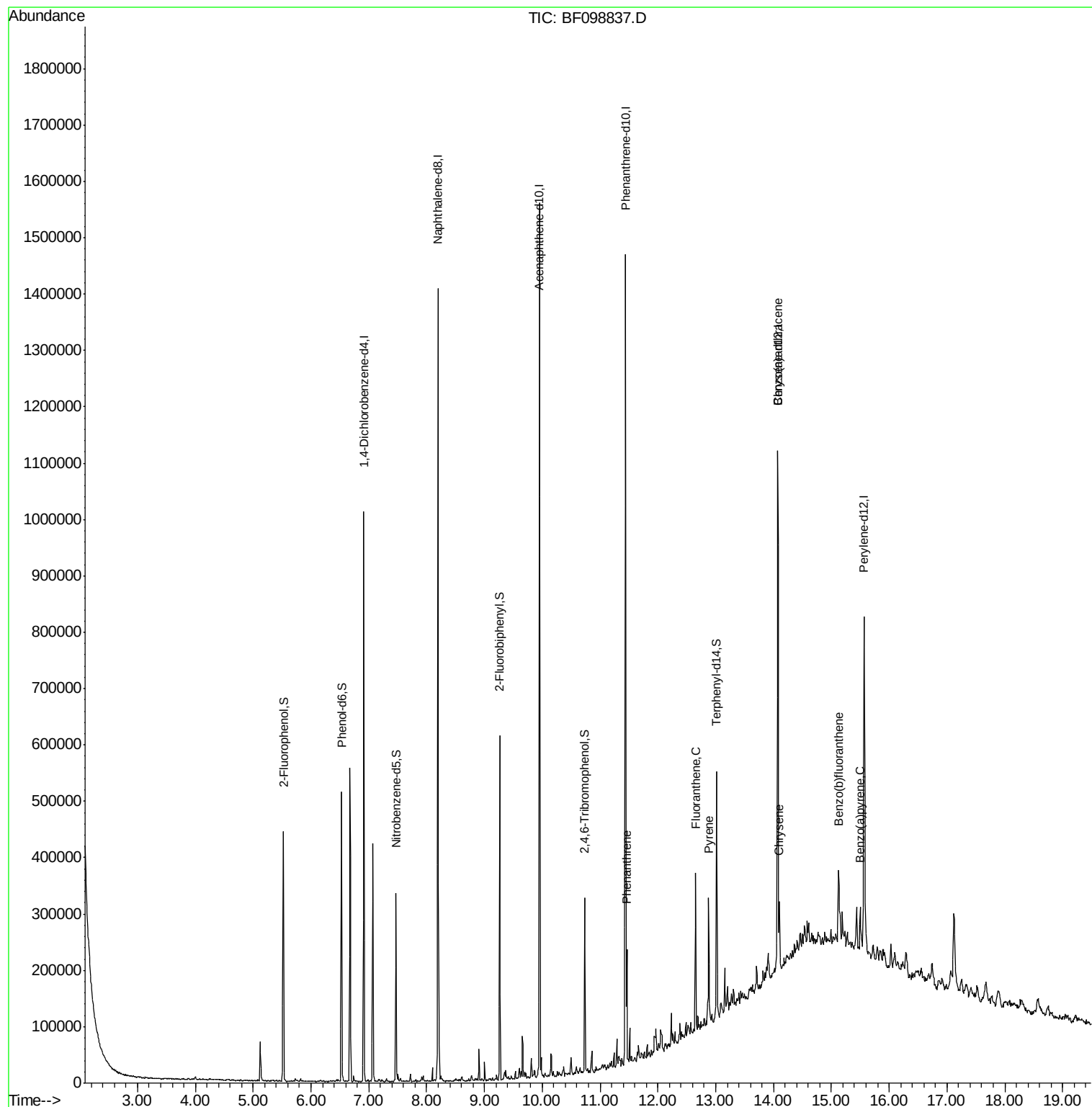
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
Data File : BF098837.D
Acq On : 26 Sep 2017 17:31
Operator : SJ/JU
Sample : I5363-15 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

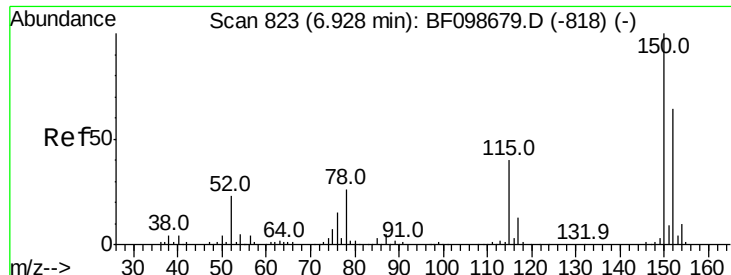
Instrument :
BNA_F
ClientSampleId :
SP-3-H-COMP

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Quant Time: Sep 27 01:58:15 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

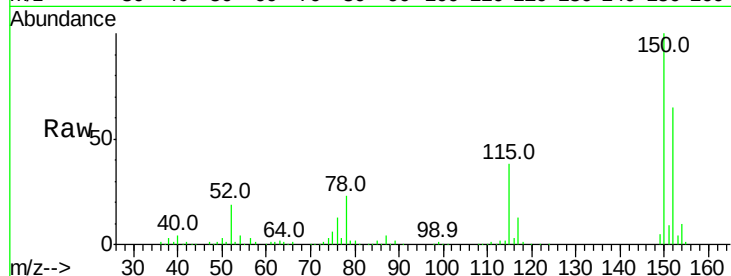
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

Instrument :
BNA_F
ClientSampleId :
SP-3-H-COMP

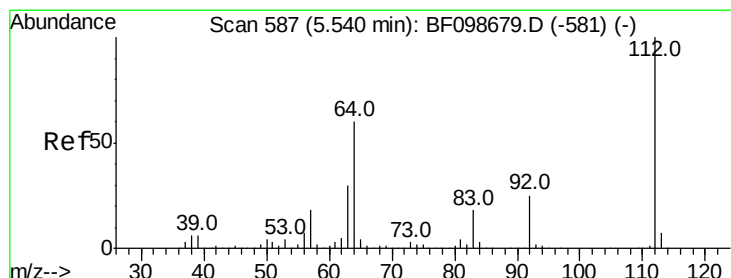
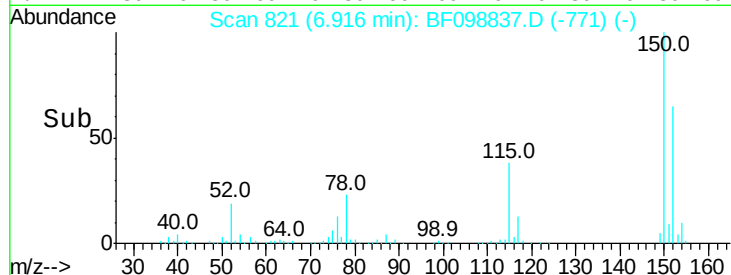
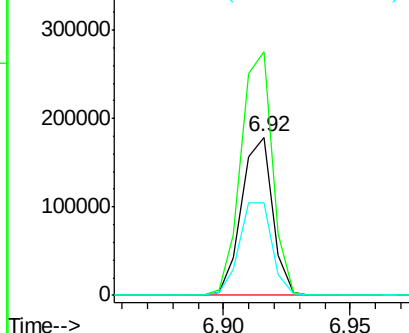
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.6	186.8
115	58.8	50.1	75.1

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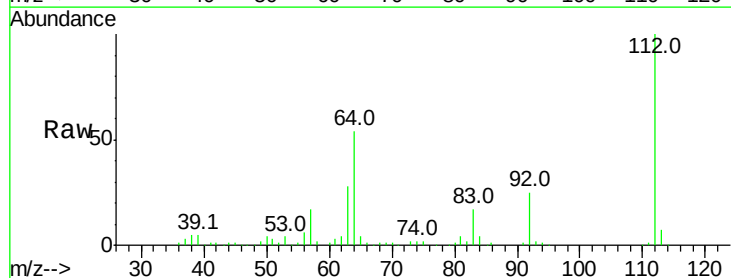
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



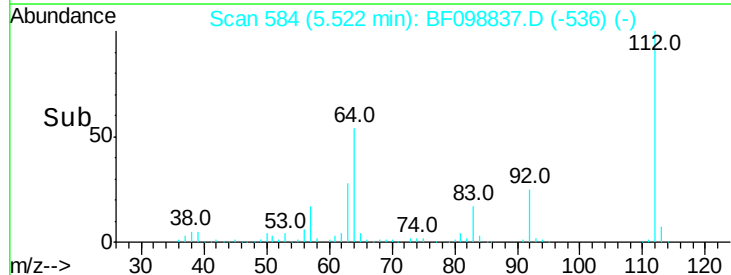
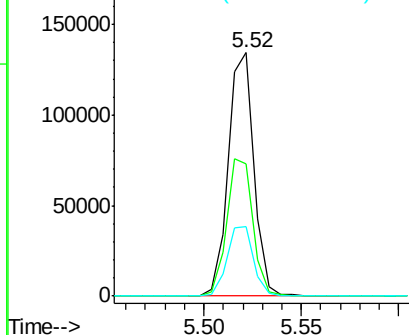
#5

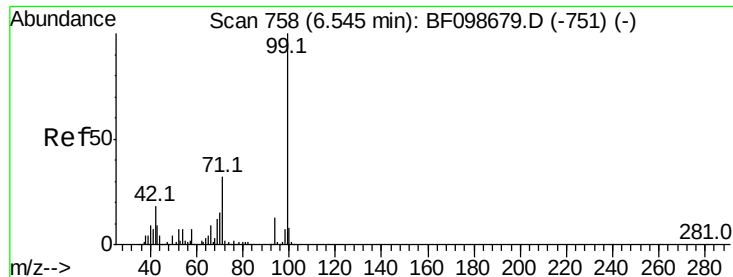
2-Fluorophenol
Concen: 12.826 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	47.9	71.9
63	28.3	23.7	35.5



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: 13.047 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

Instrument :

BNA_F

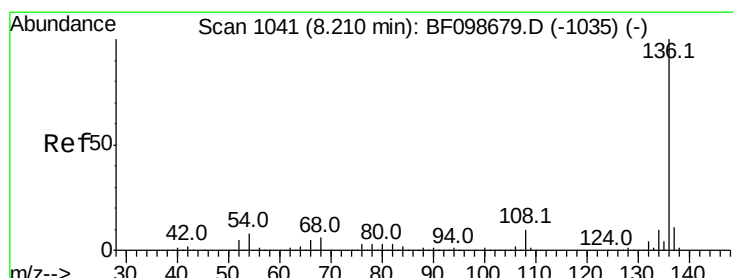
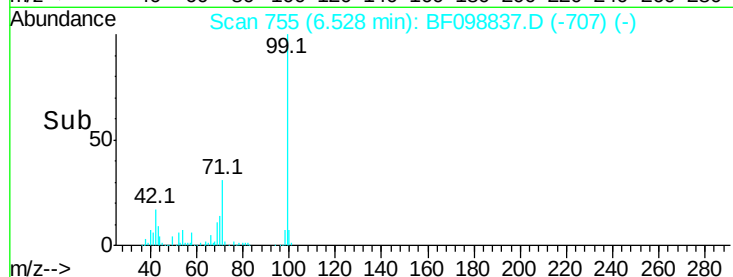
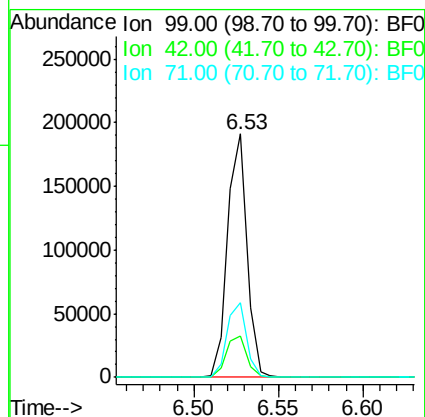
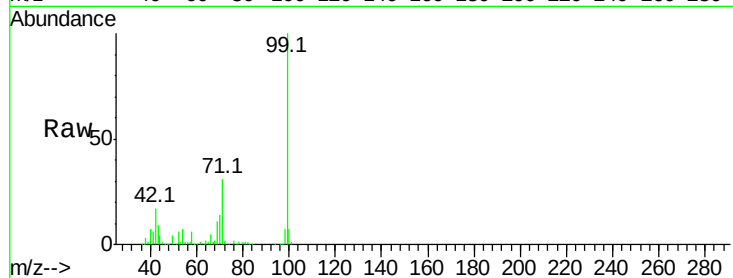
ClientSampleId :

SP-3-H-COMP

Tot Ion:	99	Resp:	153726
Ion Ratio	Lower	Upper	
99	100		
42	16.8	14.5	21.7
71	30.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

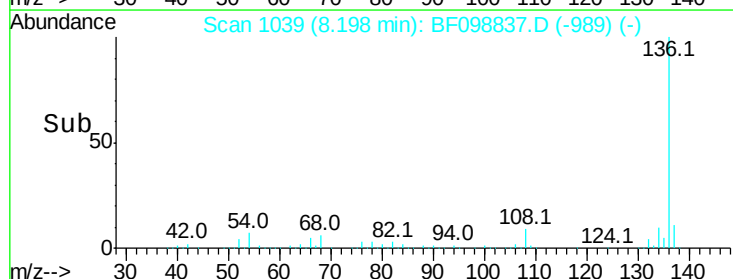
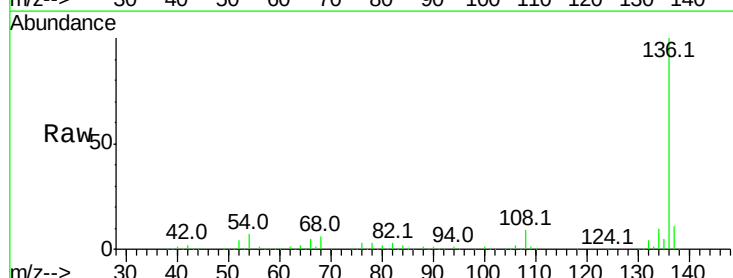
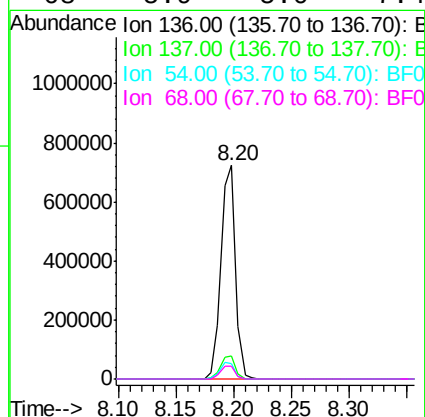
RT: 8.20 min Scan# 1039

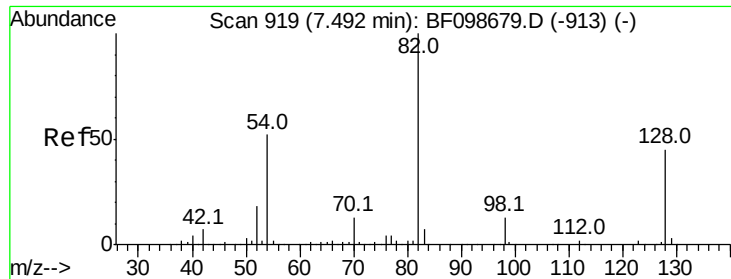
Delta R.T. -0.01 min

Lab File: BF098837.D

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Tgt Ion:	136	Resp:	631686
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.2	6.6	9.8
68	5.9	5.0	7.4





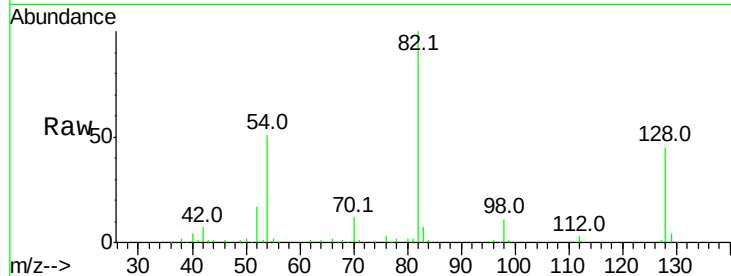
#23
Nitrobenzene-d5
Concen: 9.062 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

Instrument :
BNA_F
ClientSampleId :
SP-3-H-COMP

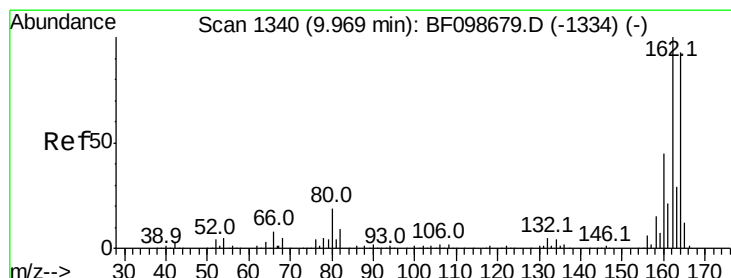
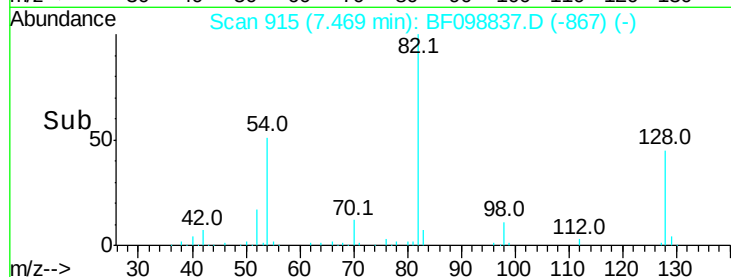
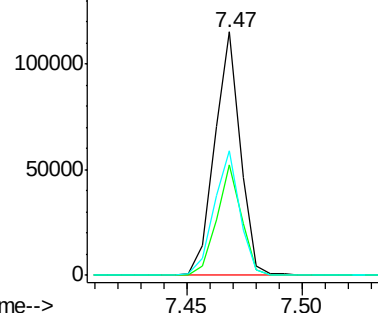
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	51.0	41.4	62.2

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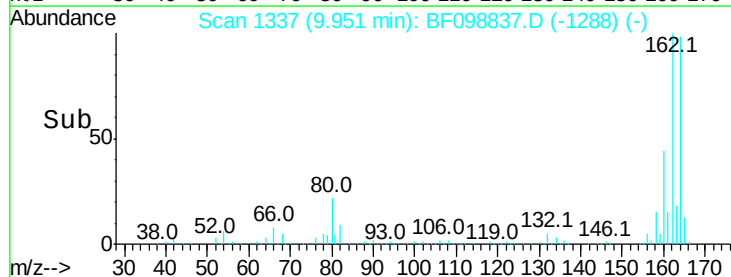
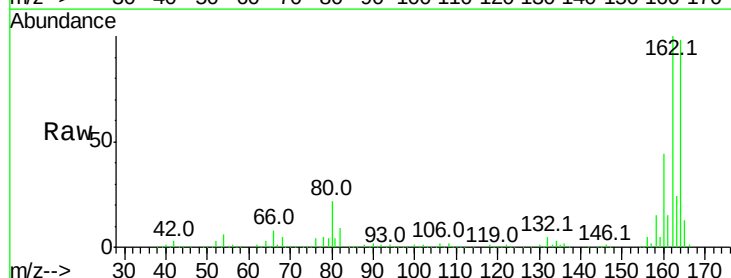
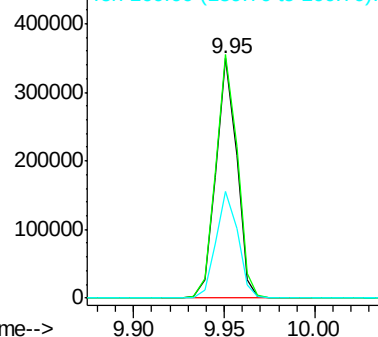
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

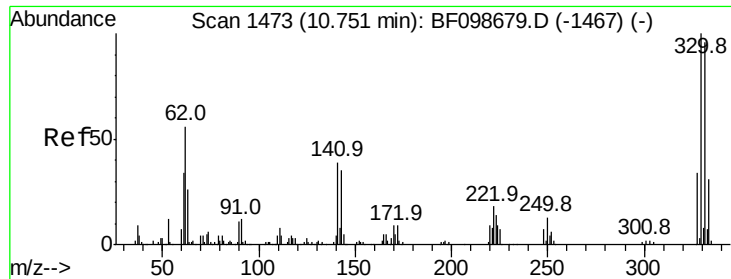


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	86.1	129.1
160	44.6	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





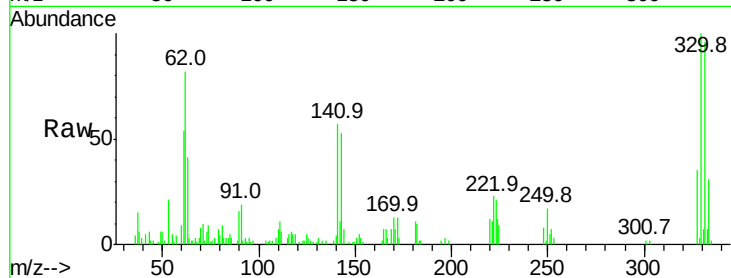
#41
 2,4,6-Tribromophenol
 Concen: 11.487 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098837.D
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Instrument :
 BNA_F
 ClientSampleId :
 SP-3-H-COMP

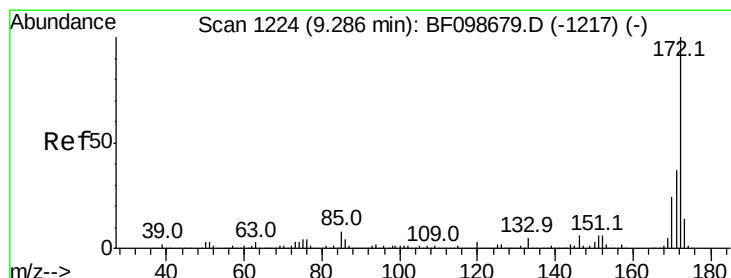
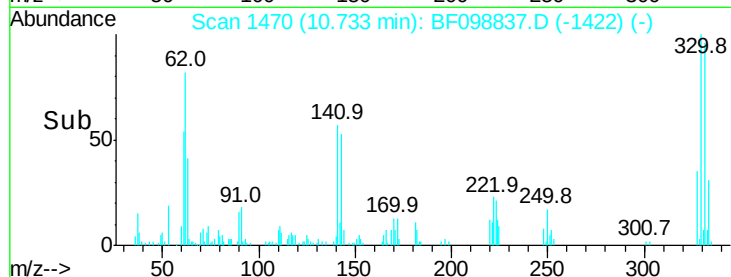
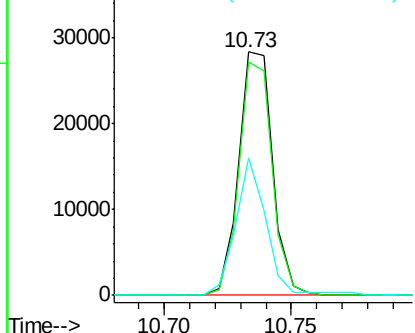
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.5	77.0	115.6	
141	49.9	29.9	44.9	

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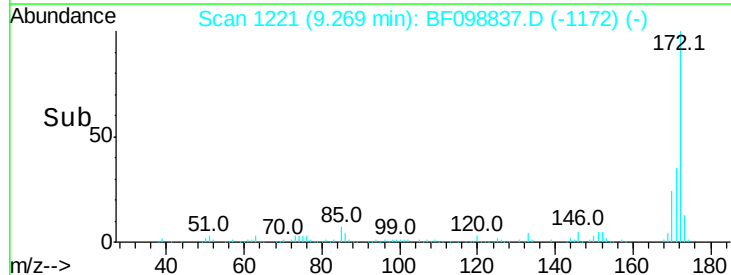
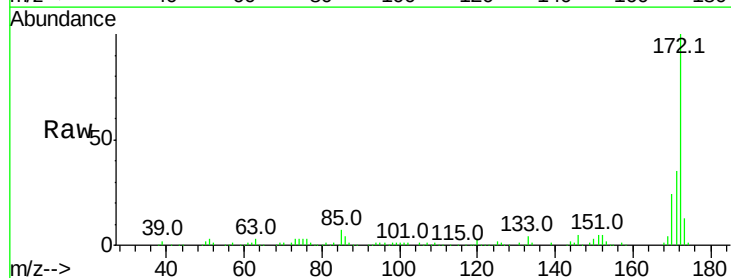
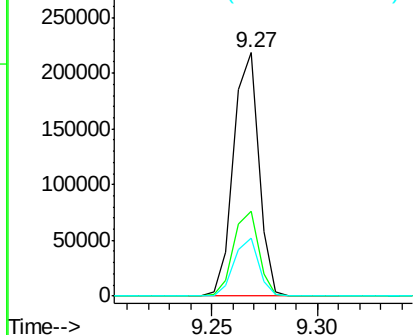
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

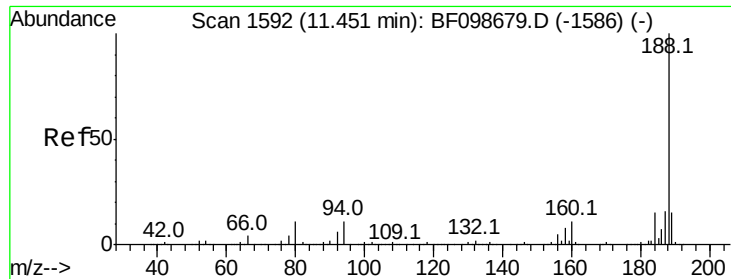


#44
 2-Fluorobiphenyl
 Concen: 10.736 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098837.D
 Acq: 26 Sep 2017 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.9	29.7	44.5	
170	23.6	19.6	29.4	

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





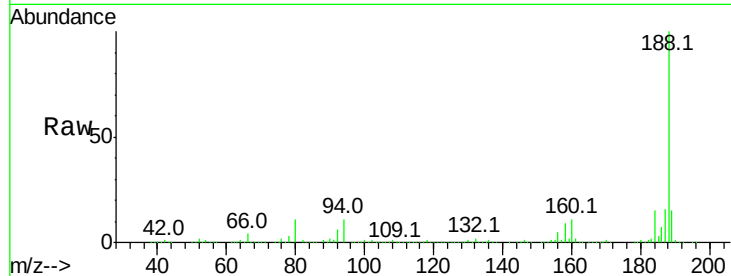
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

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Tot Ion	Ratio	Resp	Lower	Upper
188	100	452773		
94	10.8		8.5	12.7
80	11.5		9.2	13.8

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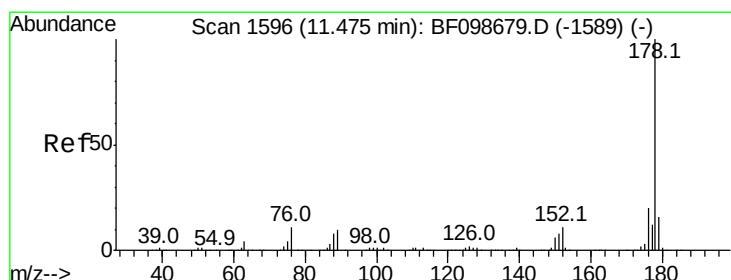
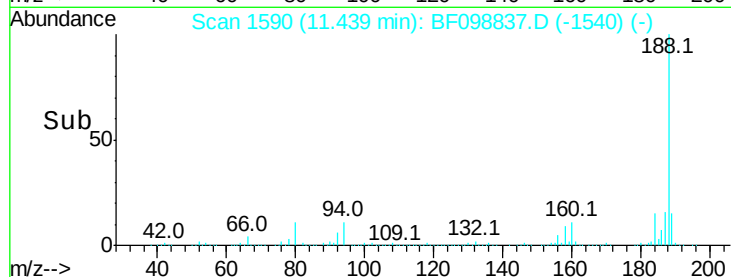
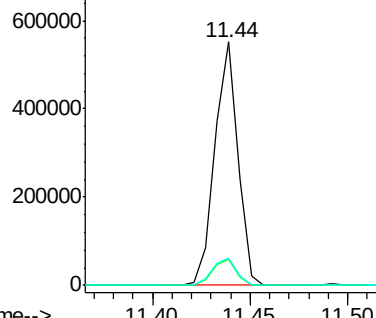
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Abundance Ion 188.00 (187.70 to 188.70): E

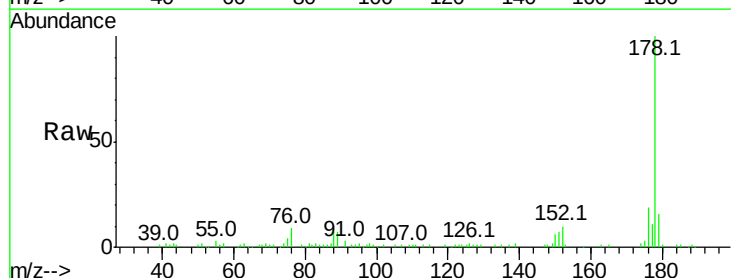
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70
Phenanthrene
Concen: 2.704 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

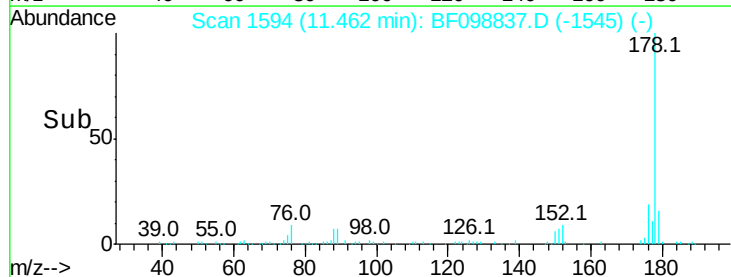
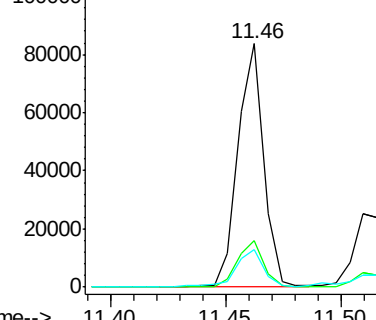
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	65539		
176	19.0		15.8	23.8
179	15.6		13.0	19.6

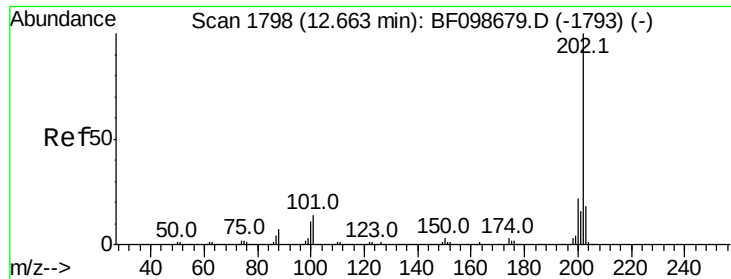


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.866 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

Instrument :

BNA_F

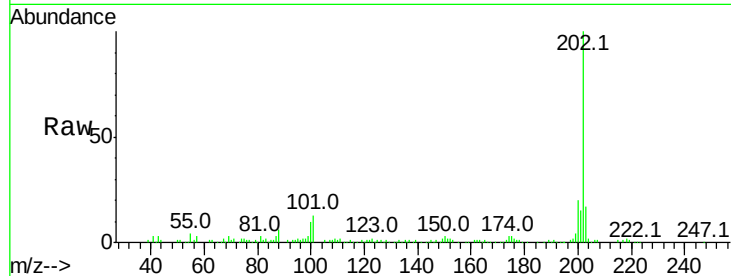
ClientSampleId :

SP-3-H-COMP

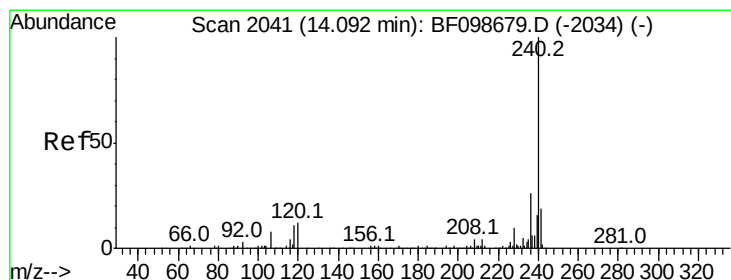
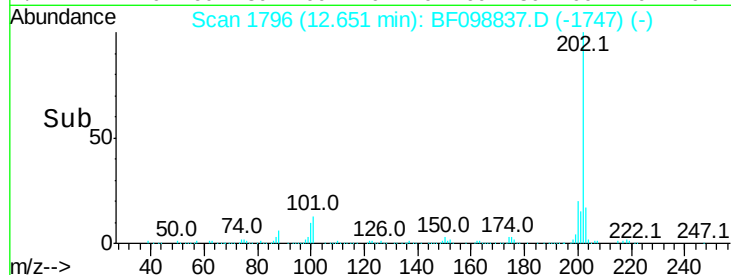
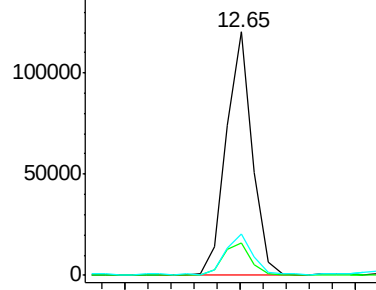
Tot Ion:	202	Resp:	94870
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	34.1
203	17.1	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

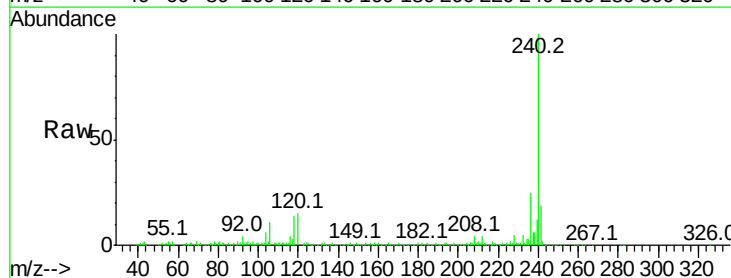
RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

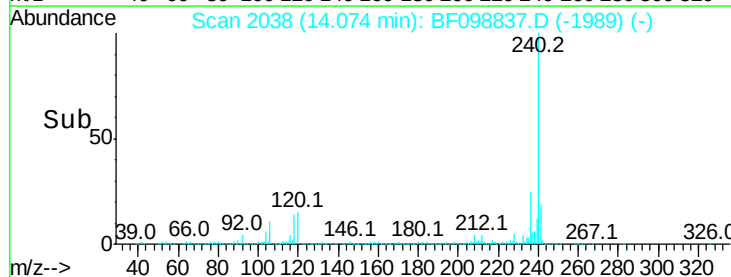
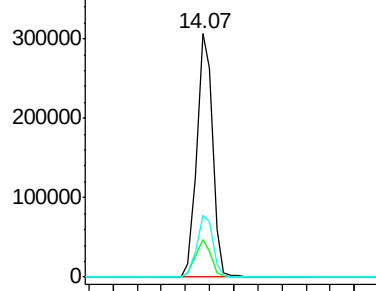
Lab File: BF098837.D

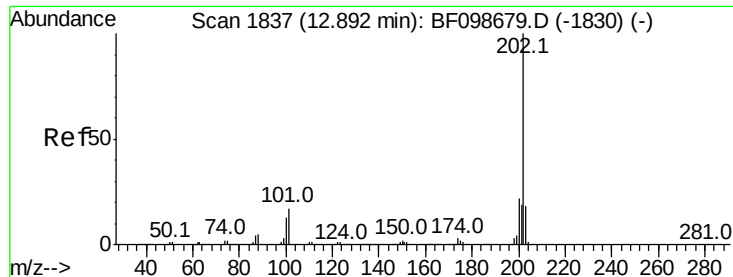
Acq: 26 Sep 2017 17:31

Tgt Ion:	240	Resp:	278502
Ion Ratio	Lower	Upper	
240	100		
120	15.5	9.5	14.3#
236	25.2	20.7	31.1



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

Pvrene

Concen: 3.831 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

Instrument :

BNA_F

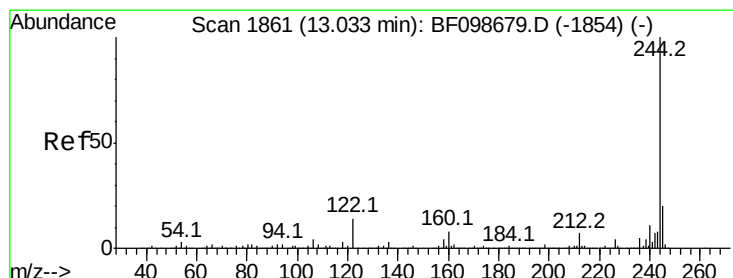
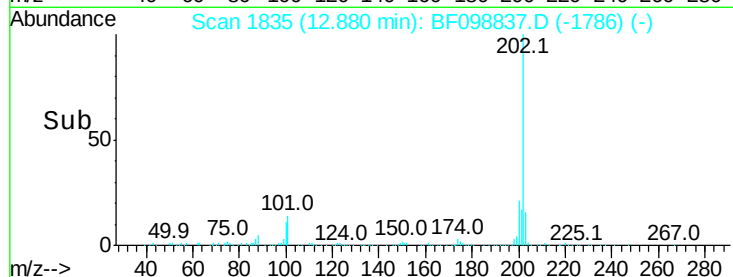
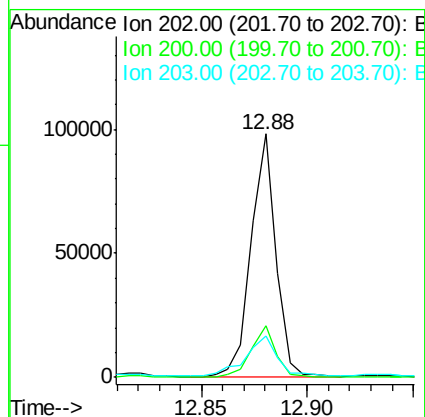
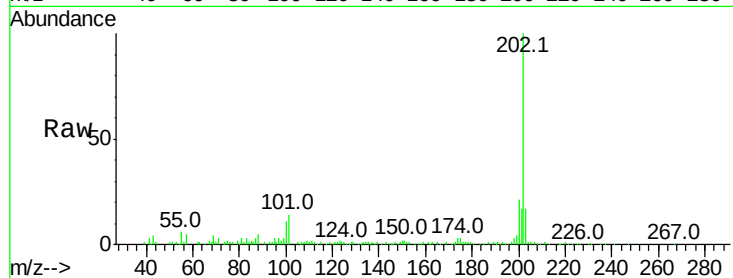
ClientSampleId :

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Tot Ion:	202	Resp:	81364
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	16.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 9.717 ng

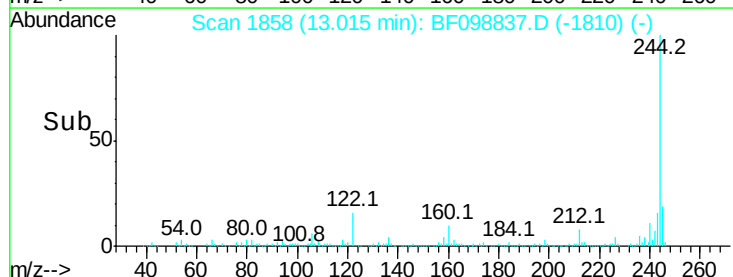
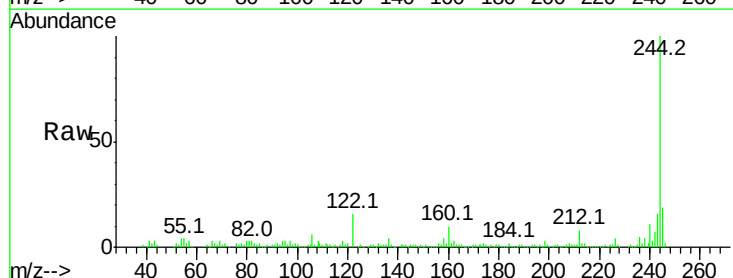
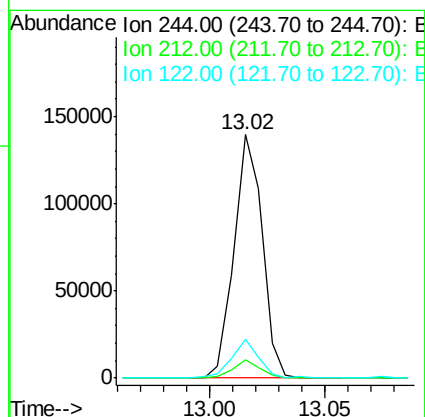
RT: 13.02 min Scan# 1858

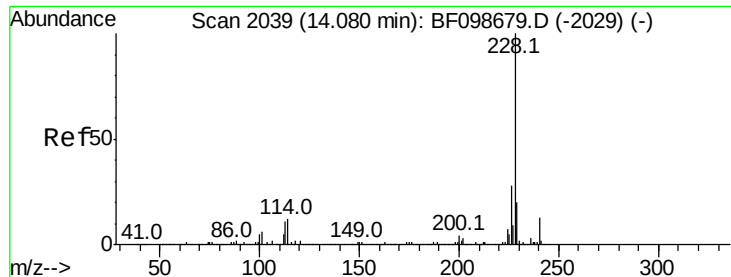
Delta R.T. -0.02 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

Tgt Ion:	244	Resp:	118993
Ion Ratio	Lower	Upper	
244	100		
212	7.7	5.4	8.0
122	15.7	11.0	16.4





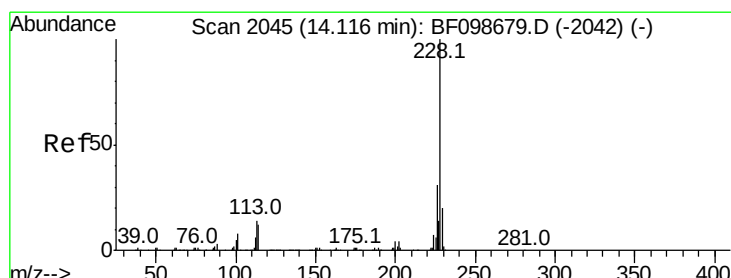
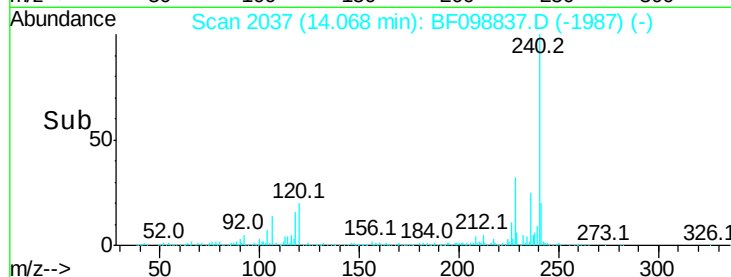
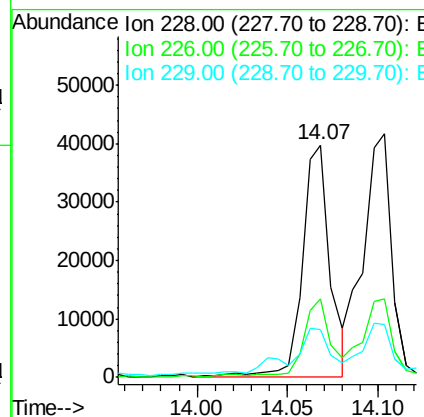
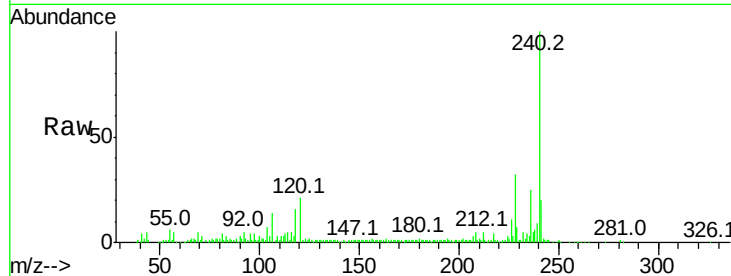
#80
Benzo(a)anthracene
Concen: 2.552 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

Instrument :
BNA_F
ClientSampleId :
SP-3-H-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.6	33.8
229	20.3	15.8	23.6

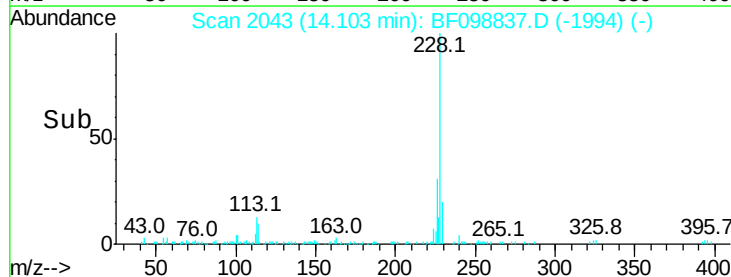
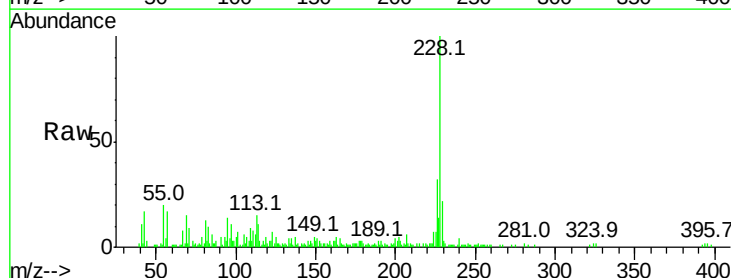
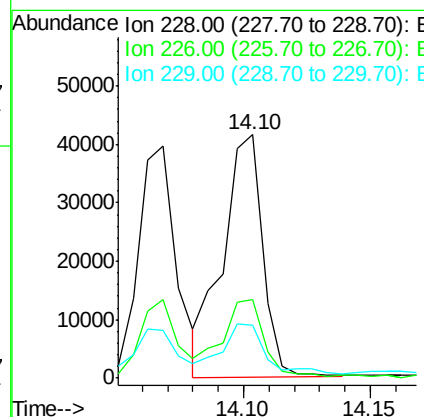
Manual Integrations
APPROVED

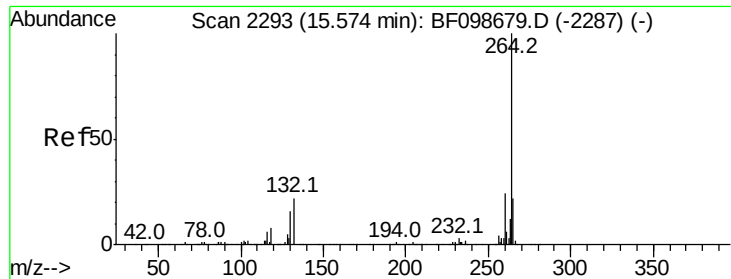
Sohil
9/27/2017 12:44:57 PM



#82
Chrysene
Concen: 2.854 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	21.7	16.2	24.4





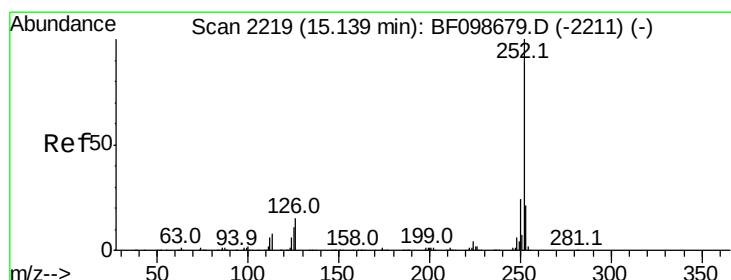
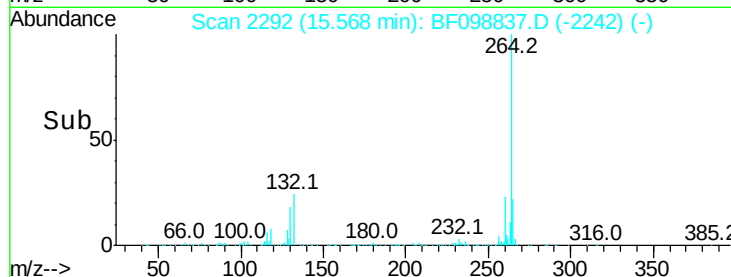
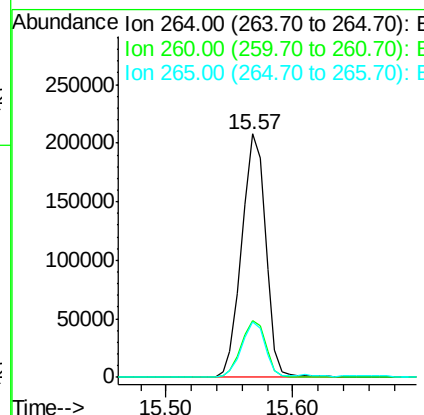
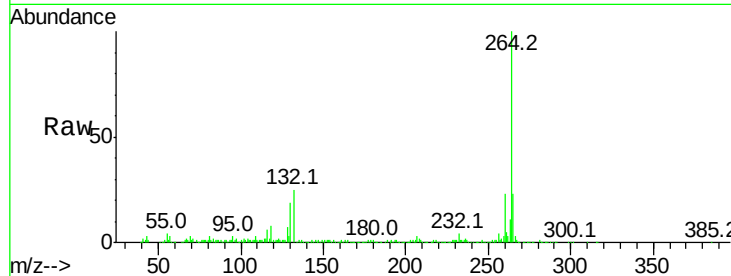
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

Instrument :
BNA_F
ClientSampleId :
SP-3-H-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.5	17.5	26.3

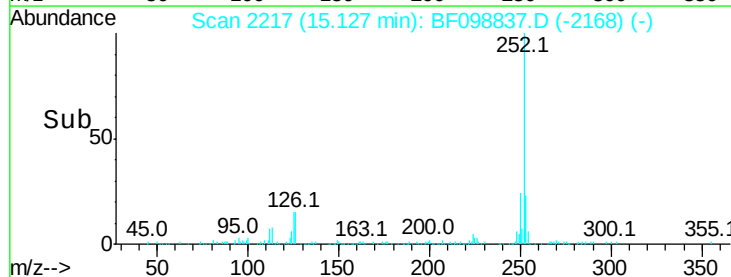
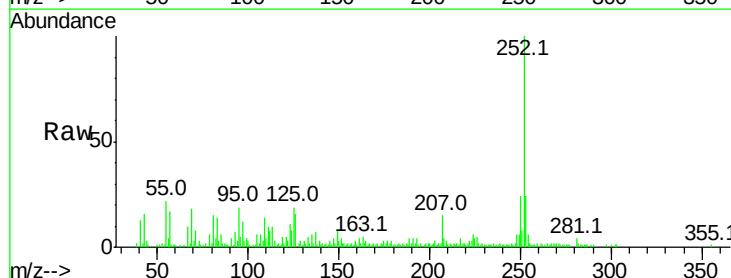
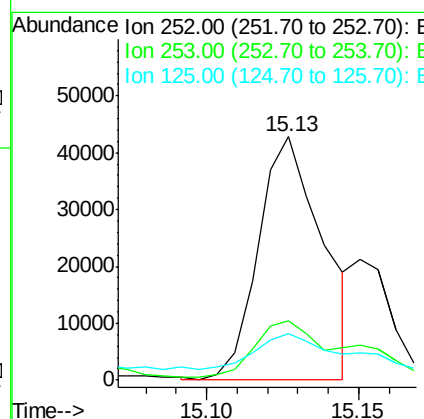
Manual Integrations
APPROVED

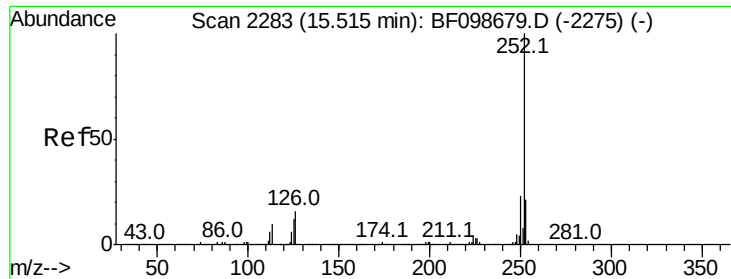
Sohil
9/27/2017 12:44:57 PM



#87
Benzo(b)fluoranthene
Concen: 3.721 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	19.1	9.0	13.6#





#89

Benzo(a)pyrene

Concen: 2.177 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.02 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

Instrument :

BNA_F

ClientSampleId :

SP-3-H-COMP

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.2	17.1	25.7
125	22.0	9.8	14.6

Manual Integrations
APPROVED

Sohil

9/27/2017 12:44:57 PM

