

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098508.D
 Acq On : 14 Sep 2017 00:01
 Operator : SJ/JU
 Sample : I5182-07 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-19

Manual Integrations
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Sohil
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Quant Time: Sep 14 07:37:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	169610	20.00	ng	-0.02
21) Naphthalene-d8	7.94	136	685319	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	290024	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	442652	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	346413	20.00	ng	-0.01
86) Perylene-d12	15.20	264	287768	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	94477	8.24	ng	-0.01
7) Phenol-d6	6.31	99	119801	8.23	ng	-0.01
23) Nitrobenzene-d5	7.22	82	61130	4.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.48	330	14110	7.29	ng	-0.01
44) 2-Fluorobiphenyl	9.01	172	139356	8.14	ng	-0.02
78) Terphenyl-d14	12.75	244	89839	5.60	ng	-0.02
Target Compounds						
74) Fluoranthene	12.38	202	70918	3.019	ng	Qvalue 97
77) Pyrene	12.60	202	171668	6.282	ng	98
80) Benzo(a)anthracene	13.79	228	89759	4.420	ng	99
82) Chrysene	13.83	228	110877m	5.401	ng	
87) Benzo(b)fluoranthene	14.81	252	86571m	4.784	ng	
89) Benzo(a)pyrene	15.14	252	73688	4.571	ng	# 93
91) Benzo(g,h,i)perylene	16.94	276	25222	2.138	ng	95

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

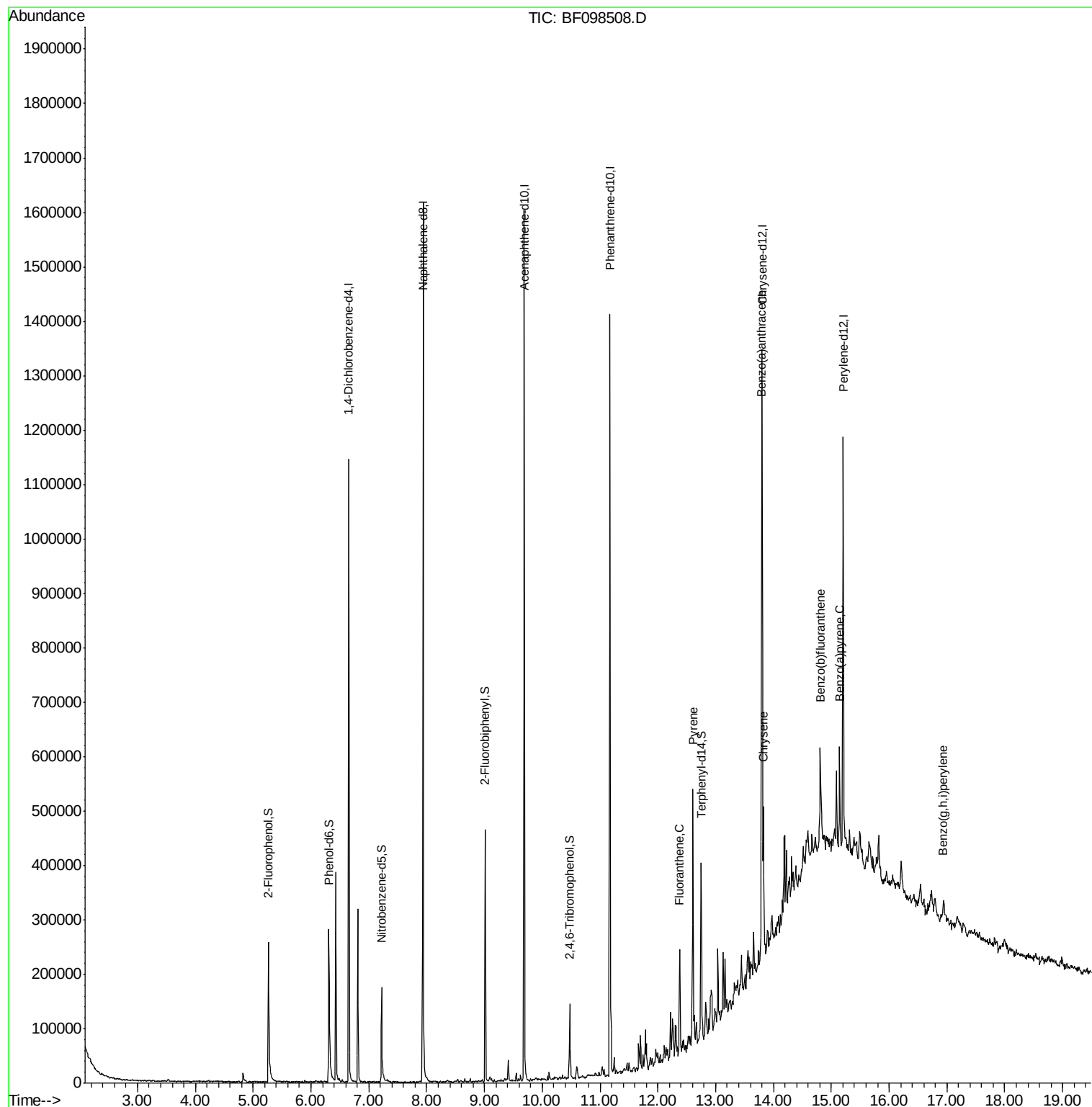
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098508.D
Acq On : 14 Sep 2017 00:01
Operator : SJ/JU
Sample : I5182-07 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

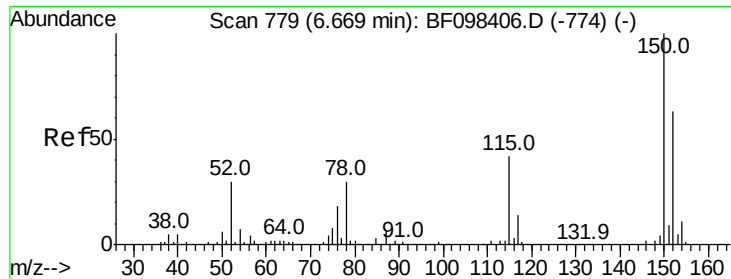
Instrument :
BNA_F
ClientSampled :
G-19

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Quant Time: Sep 14 07:37:30 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

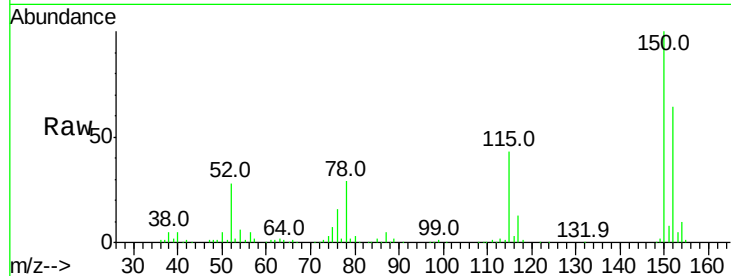
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. -0.02 min
Lab File: BF098508.D
Acq: 14 Sep 2017 00:01

Instrument :
BNA_F
ClientSampled :
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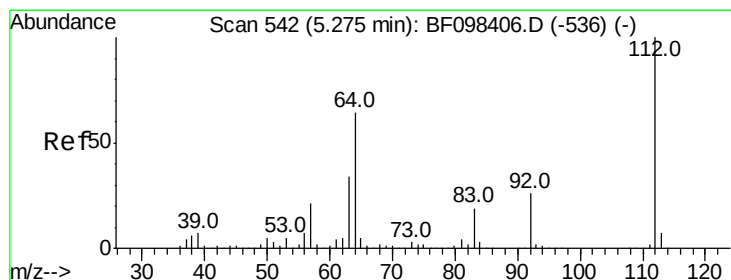
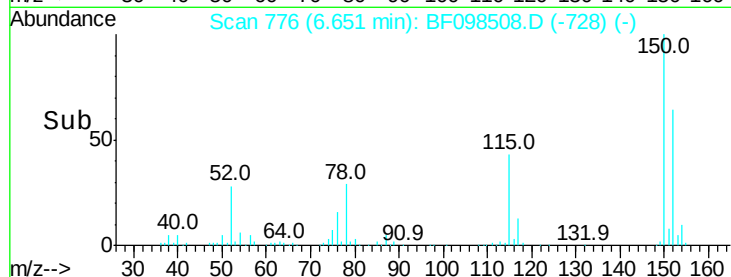
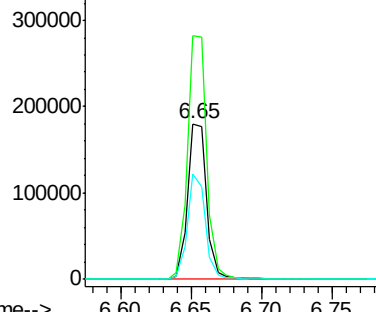
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	67.7	52.2	78.2

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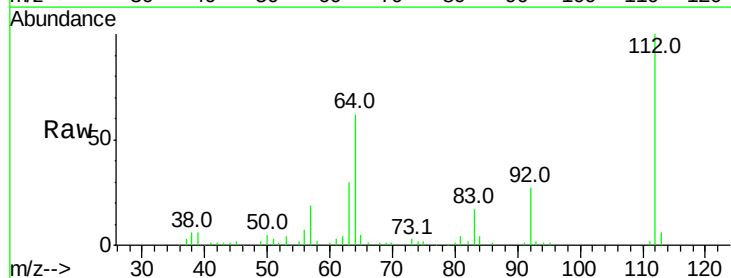
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



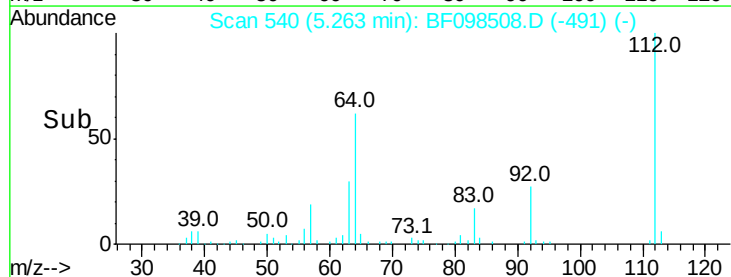
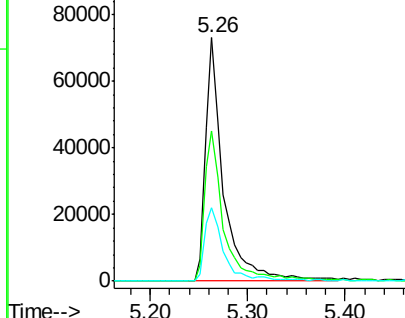
#5

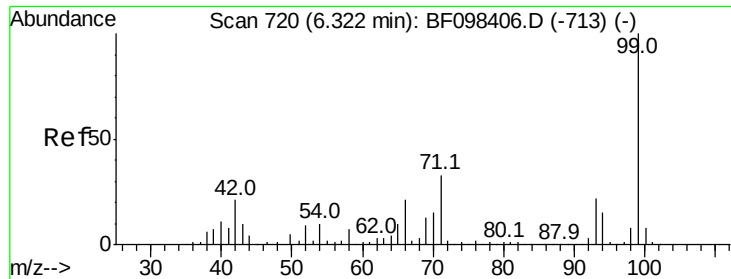
2-Fluorophenol
Concen: 8.236 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098508.D
Acq: 14 Sep 2017 00:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	46.0	69.0
63	30.4	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: 8.225 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Instrument :

BNA_F

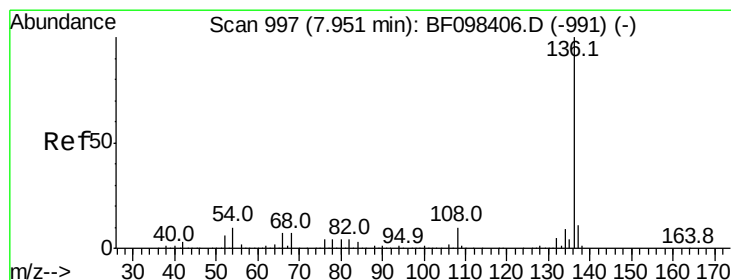
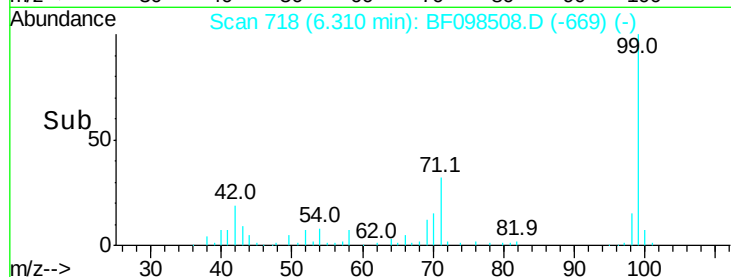
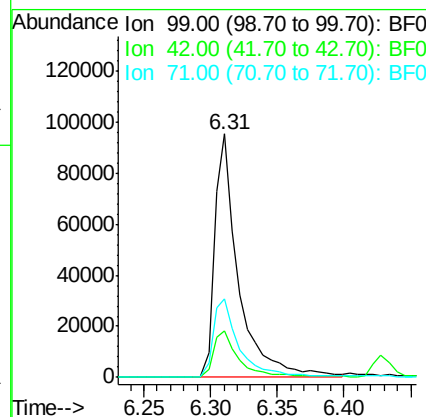
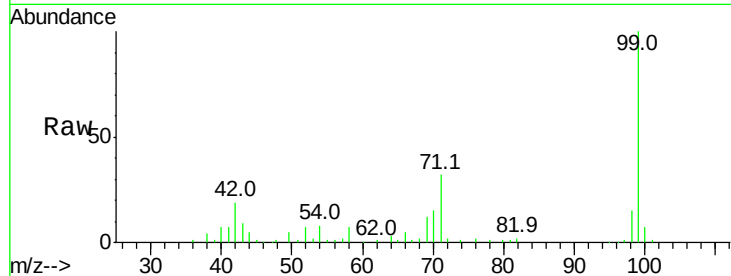
ClientSampled :

G-19

Tot Ion:	99	Resp:	119801
Ion Ratio	Lower	Upper	
99	100		
42	19.1	13.5	20.3
71	32.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

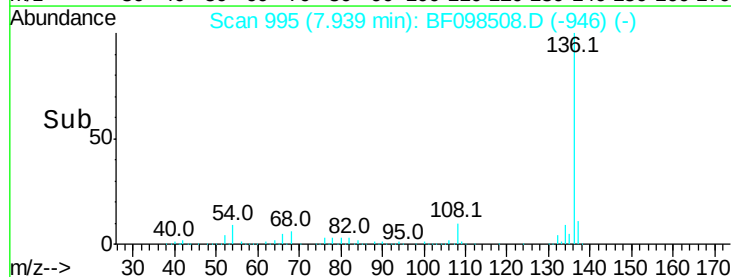
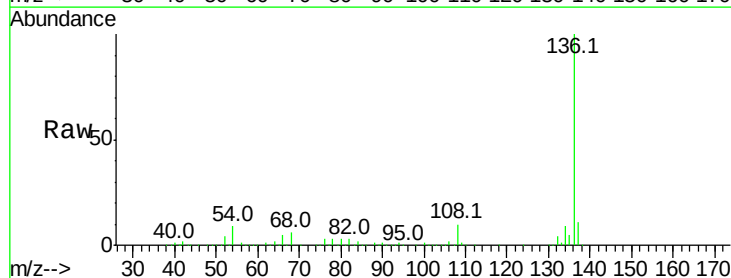
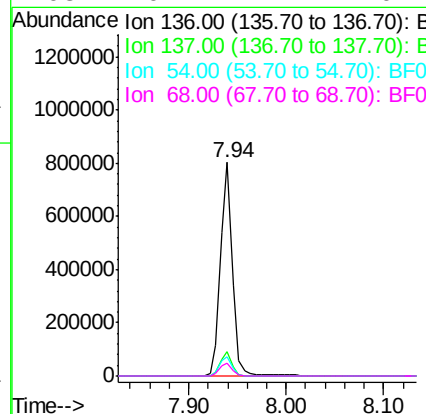
RT: 7.94 min Scan# 995

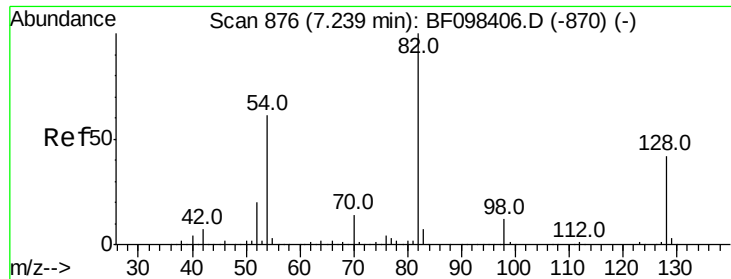
Delta R.T. -0.01 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Tgt Ion:	136	Resp:	685319
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	9.1	4.9	7.3#
68	6.2	4.1	6.1#





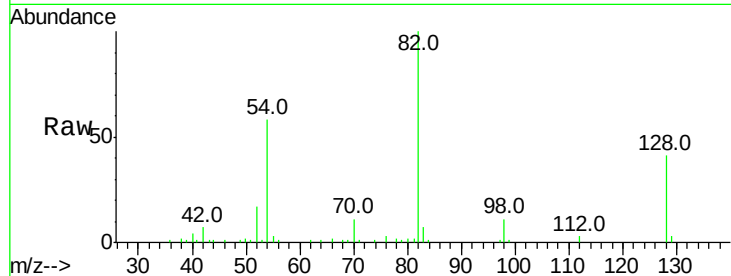
#23
 Nitrobenzene-d5
 Concen: 4.973 ng
 RT: 7.22 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

Instrument :
 BNA_F
 ClientSampled :
 G-19

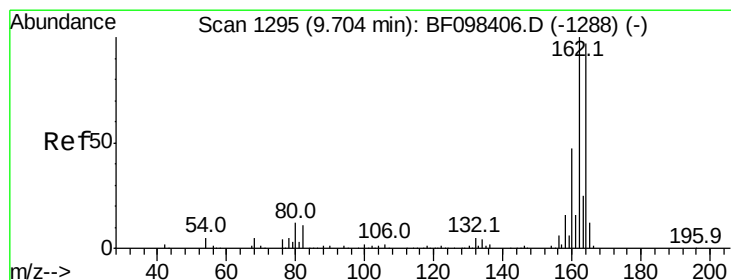
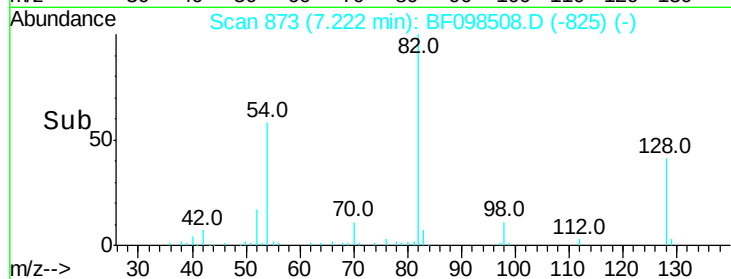
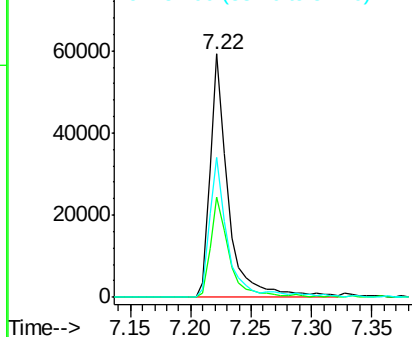
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.0	51.0
54	57.6	42.2	63.2

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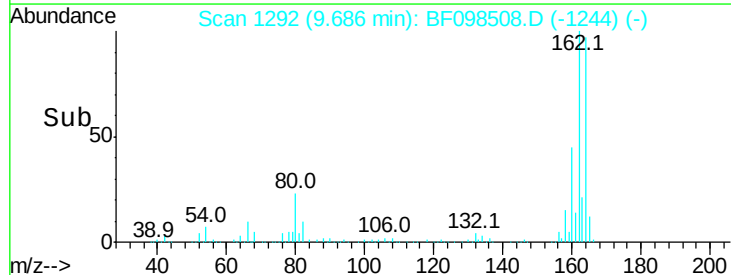
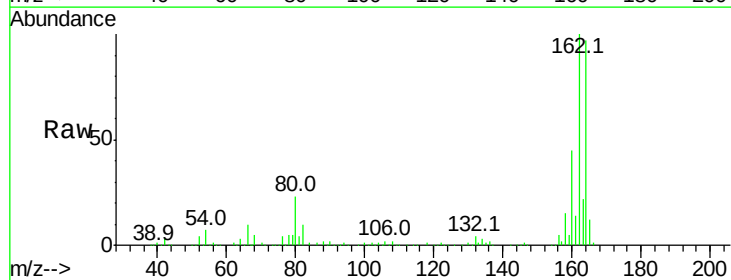
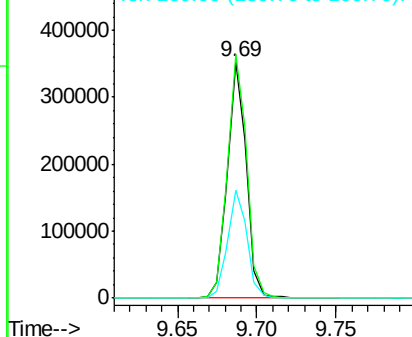
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

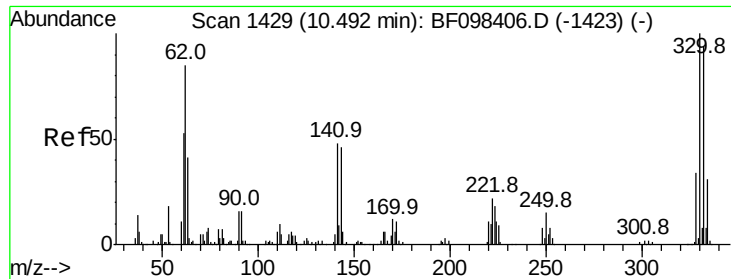


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.6	123.8
160	45.9	36.2	54.2

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





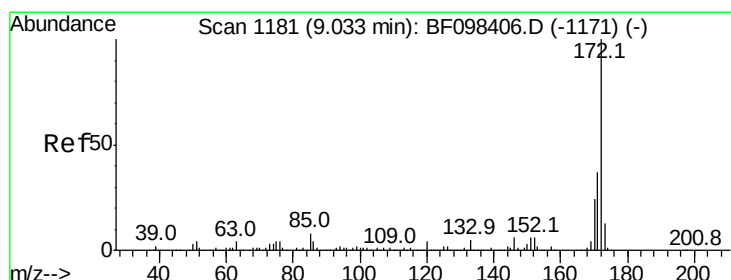
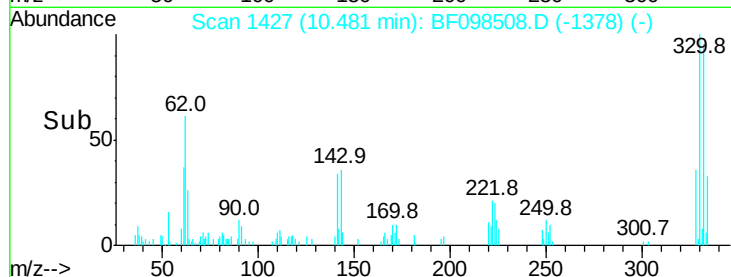
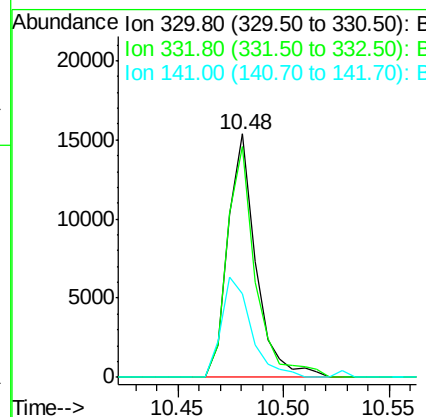
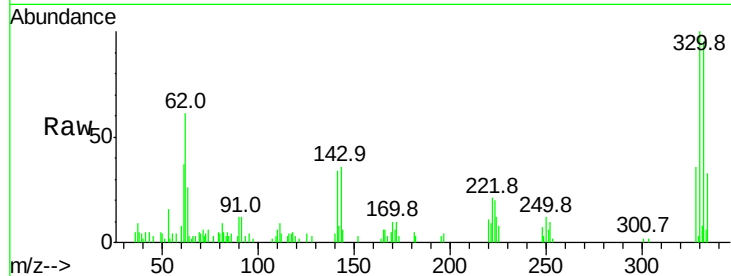
#41
 2,4,6-Tribromophenol
 Concen: 7.289 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

Instrument :
 BNA_F
 ClientSampled :
 G-19

Tot Ion	Ratio	Resp	Lower	Upper
330	100	14110		
332	95.9	76.6	115.0	
141	44.2	31.4	47.2	

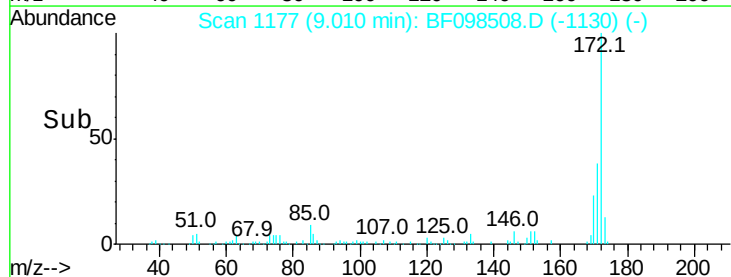
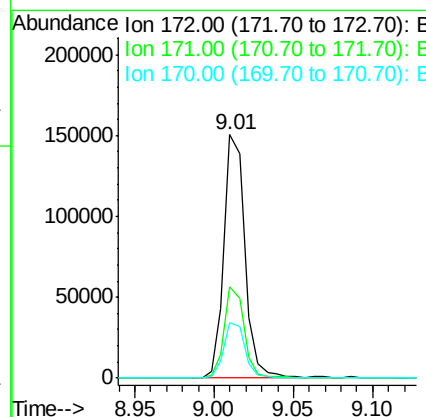
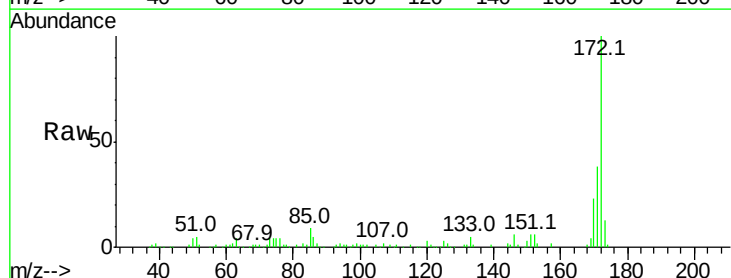
Manual Integrations
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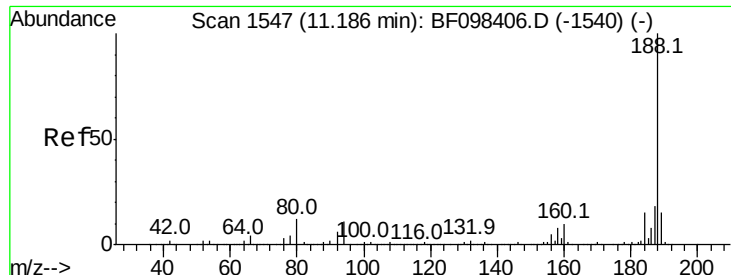
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#44
 2-Fluorobiphenyl
 Concen: 8.144 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	139356		
171	37.6	29.6	44.4	
170	22.9	19.8	29.8	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.02 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Instrument :

BNA_F

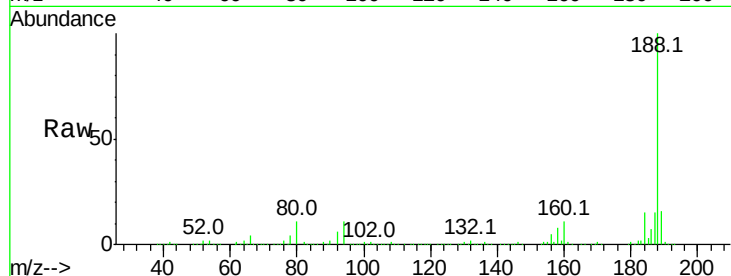
ClientSampled :

G-19

Tot Ion:	188	Resp:	442652
Ion Ratio	Lower	Upper	
188	100		
94	11.1	9.4	14.2
80	11.5	10.2	15.2

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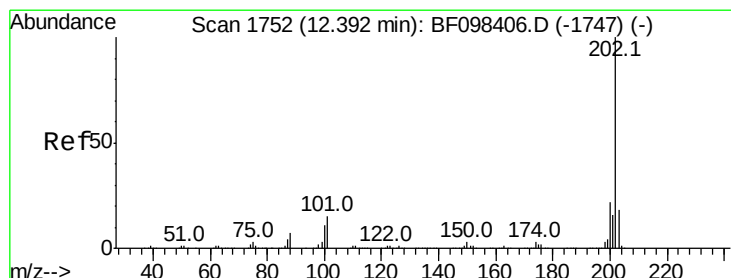
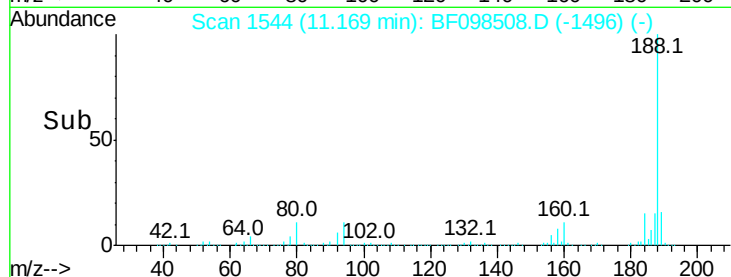
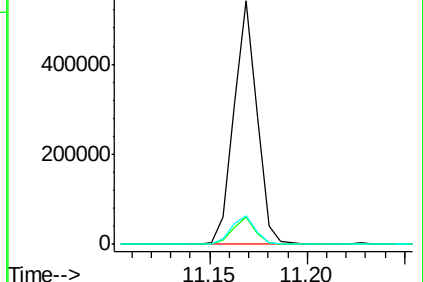
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#74

Fluoranthene

Concen: 3.019 ng

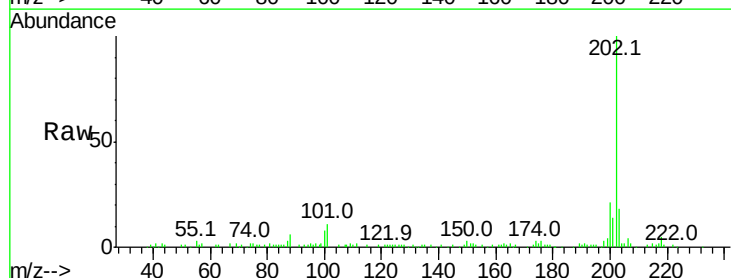
RT: 12.38 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

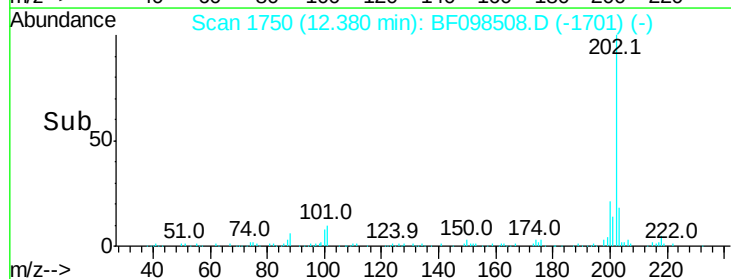
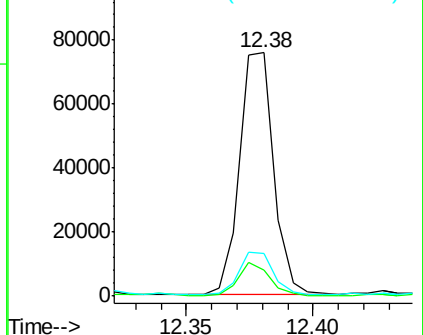
Tgt Ion:	202	Resp:	70918
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	33.2
203	17.6	0.0	38.1

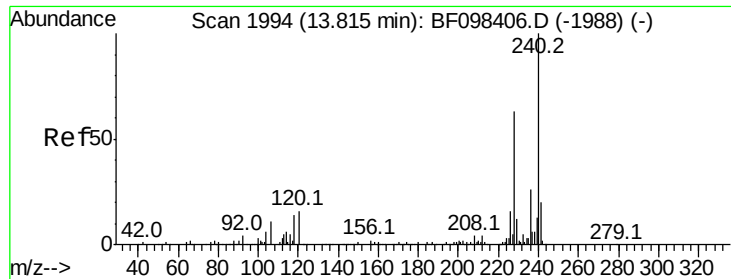


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Instrument :

BNA_F

ClientSampled :

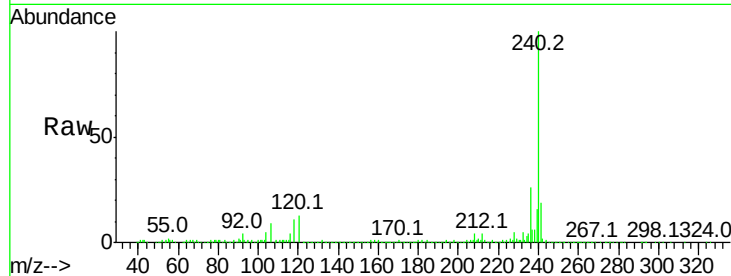
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Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	5.8	8.8#
236	26.4	20.5	30.7

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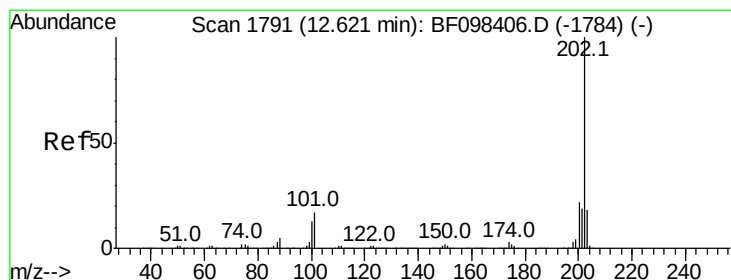
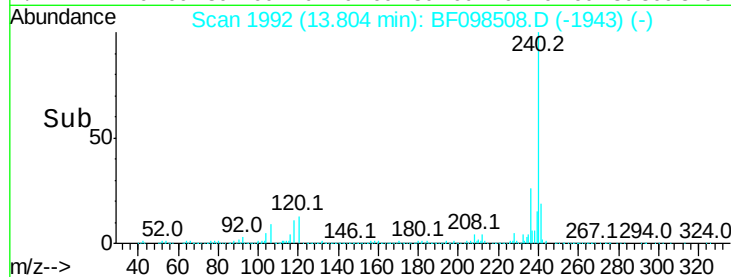
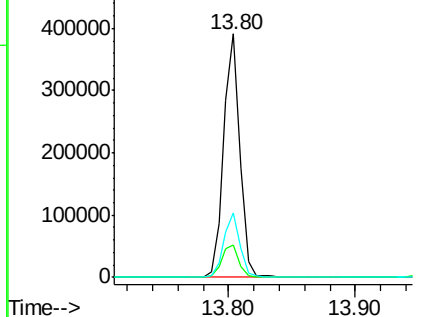
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.282 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098508.D

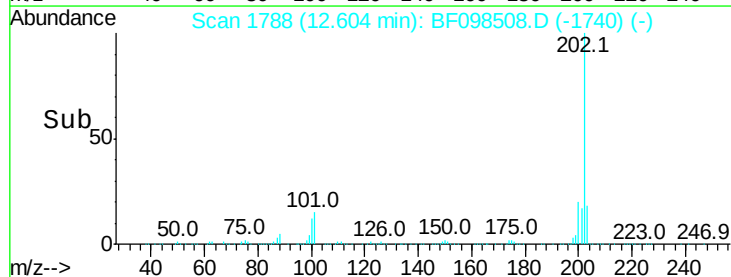
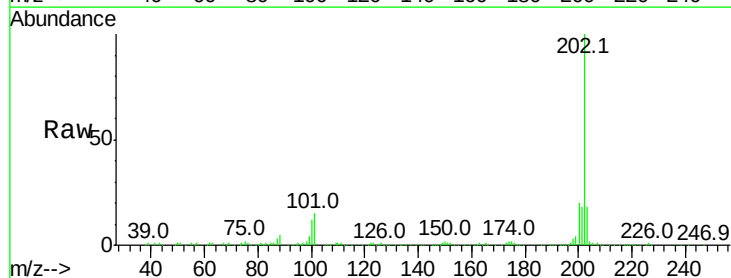
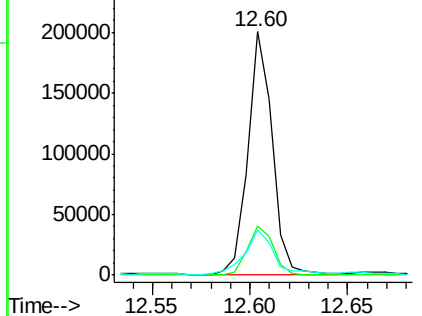
Acq: 14 Sep 2017 00:01

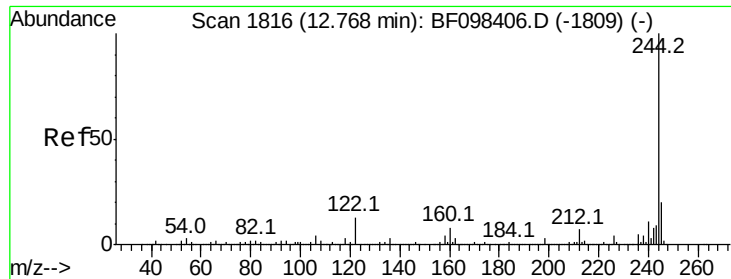
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	18.5	14.4	21.6

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





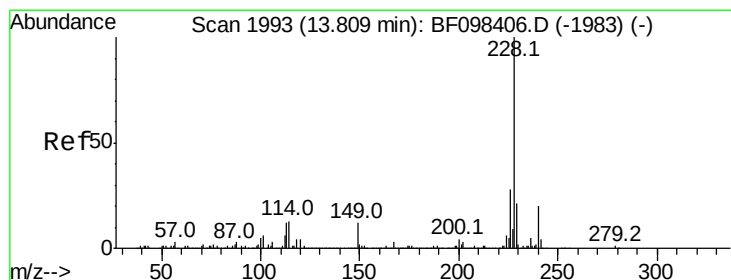
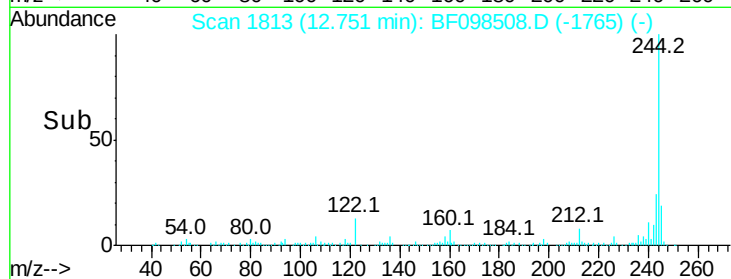
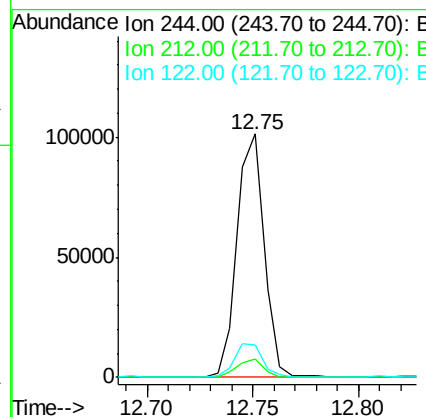
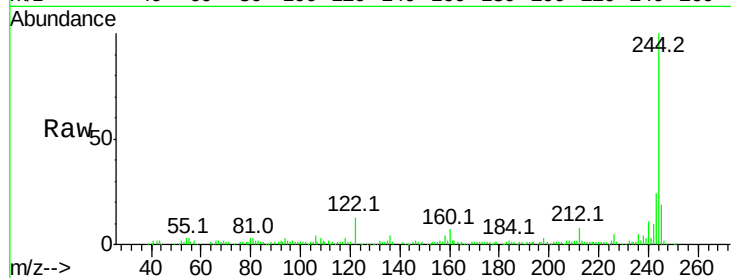
#78
 Terphenyl-d14
 Concen: 5.598 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

Instrument :
 BNA_F
 ClientSampled :
 G-19

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.5	6.0	9.0	
122	13.2	10.3	15.5	

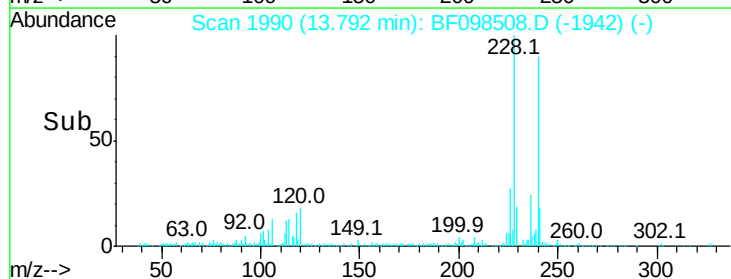
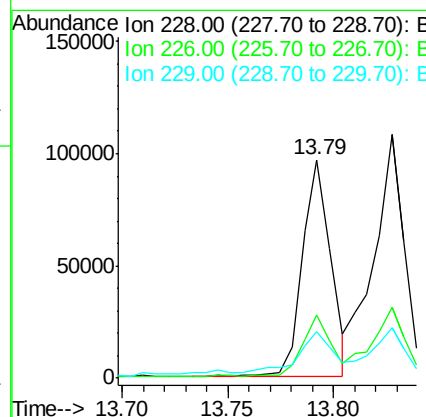
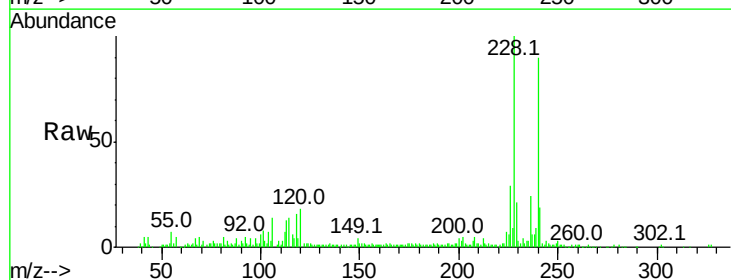
Manual Integrations
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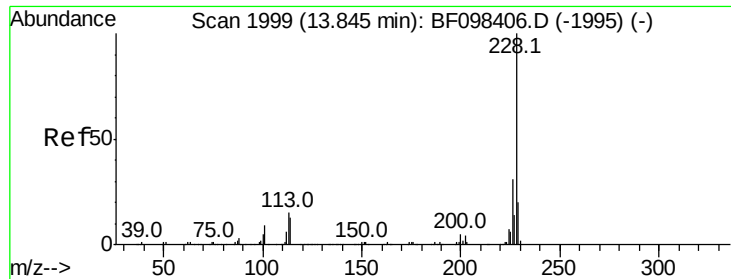
Sohil
 9/14/2017 5:53:00 PM



#80
 Benzo(a)anthracene
 Concen: 4.420 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. -0.02 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.7	22.6	33.8	
229	21.2	16.3	24.5	





#82

Chrysene

Concen: 5.401 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Instrument :

BNA_F

ClientSampled :

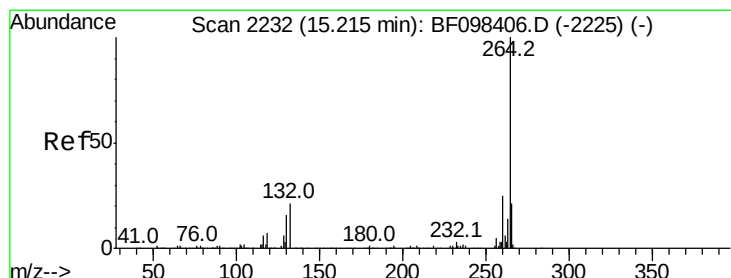
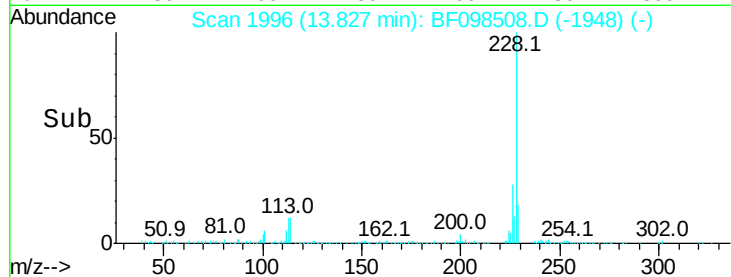
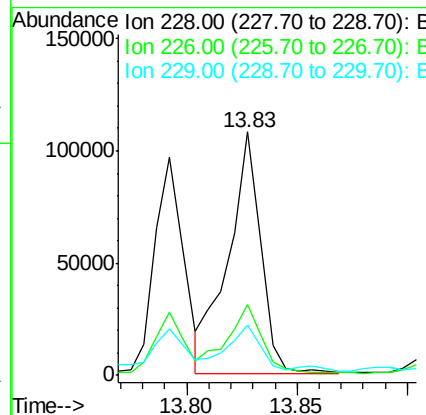
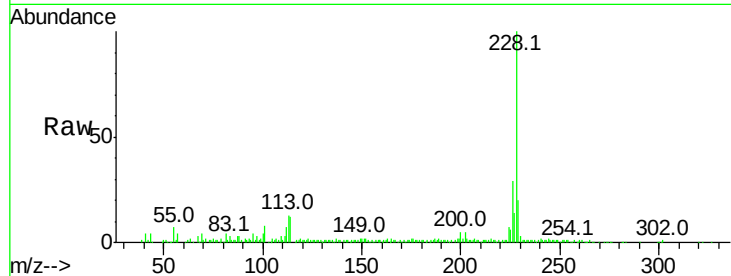
G-19

Tot Ion:	228	Resp:	110877
Ion Ratio	Lower	Upper	
228	100		
226	29.0	24.9	37.3
229	20.4	15.8	23.6

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#86

Perylene-d12

Concen: 20.000 ng

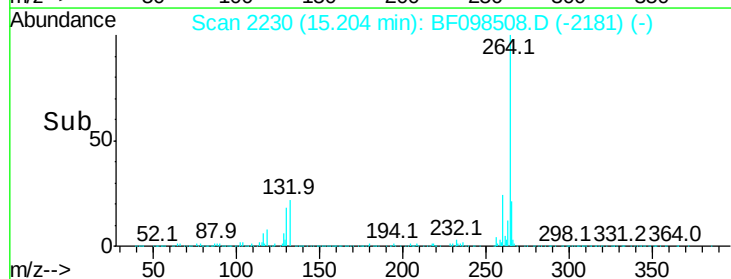
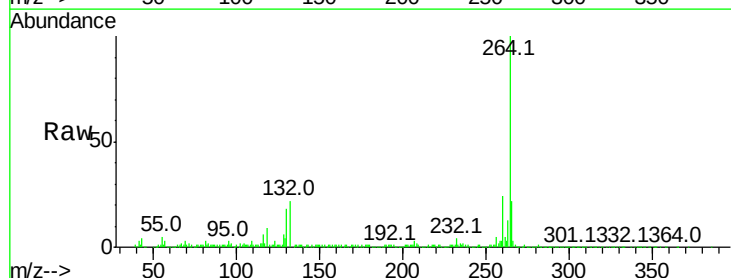
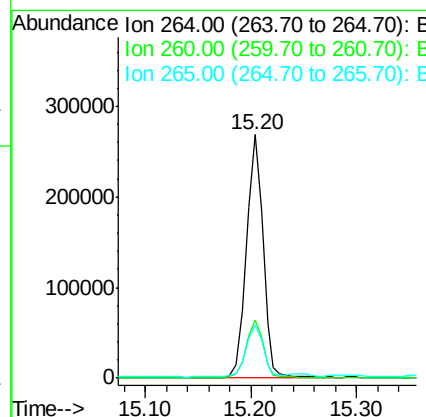
RT: 15.20 min Scan# 2230

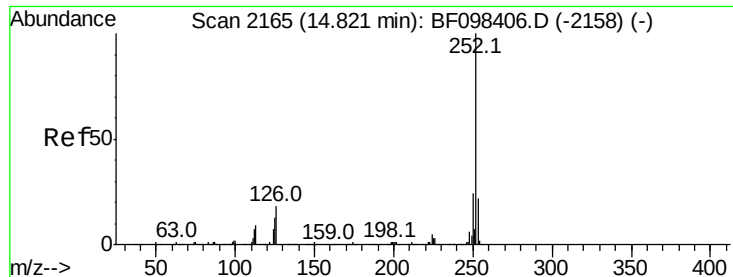
Delta R.T. -0.01 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Tgt Ion:	264	Resp:	287768
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 4.784 ng

RT: 14.81 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Instrument :

BNA_F

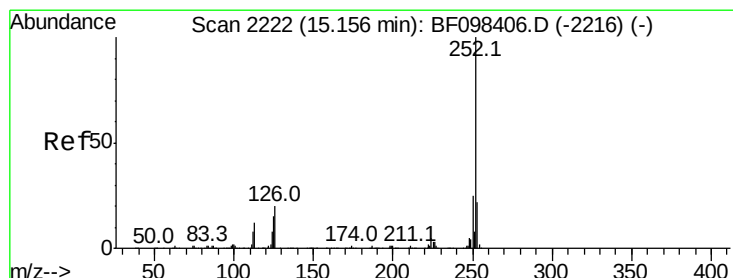
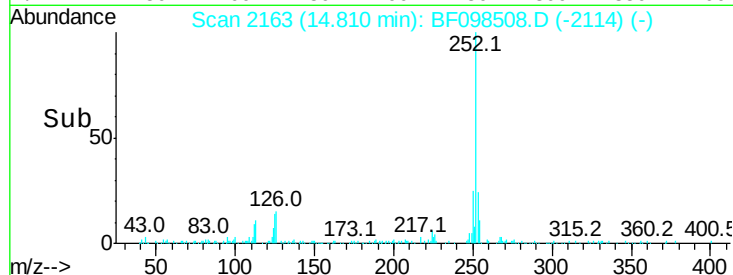
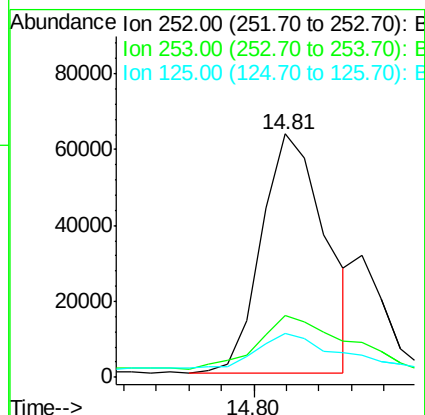
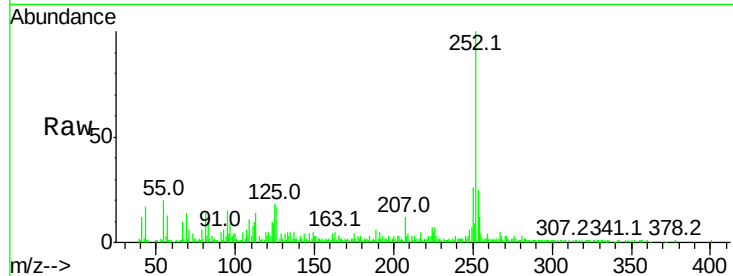
ClientSampled :

G-19

Tot Ion:	252	Resp:	86571
Ion Ratio	Lower	Upper	
252	100		
253	25.4	18.1	27.1
125	18.2	9.8	14.8#

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#89

Benzo(a)pyrene

Concen: 4.571 ng

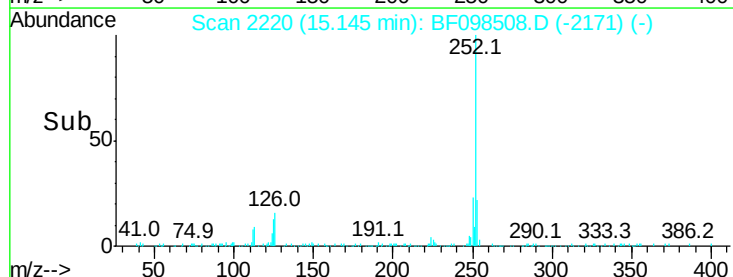
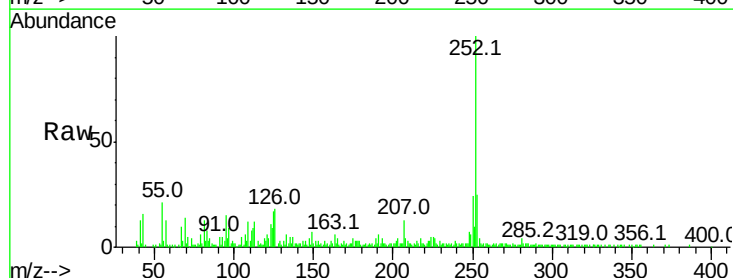
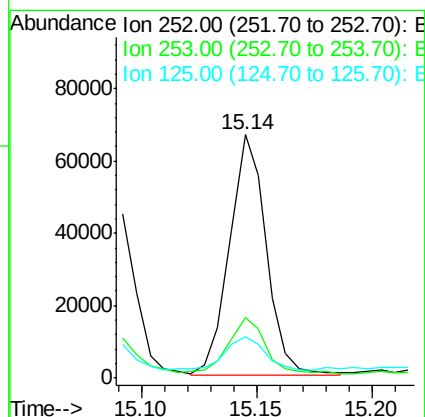
RT: 15.14 min Scan# 2220

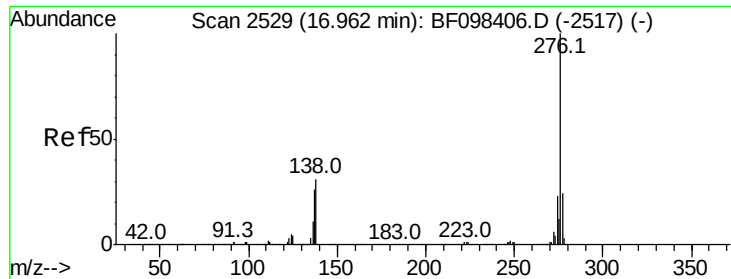
Delta R.T. -0.01 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Tgt Ion:	252	Resp:	73688
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.5	26.3
125	16.8	11.0	16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.138 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.02 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

Instrument :
 BNA_F
 ClientSampleId :
 G-19

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.6	28.0
138	33.1	25.4	38.0

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