

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097868.D
 Acq On : 19 Aug 2017 8:24
 Operator : SJ/JU
 Sample : I4820-13 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-J8-BASE

Manual Integrations
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mohammad
 8/21/2017 8:19:37 AM

Quant Time: Aug 21 01:03:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	114092	20.00	ng	-0.02
21) Naphthalene-d8	8.06	136	456261	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	205389	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	385263	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	316003	20.00	ng	-0.01
86) Perylene-d12	15.36	264	272337	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	202696	27.02	ng	-0.02
7) Phenol-d6	6.39	99	274895	26.97	ng	-0.02
23) Nitrobenzene-d5	7.33	82	167441	19.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	45485	25.52	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	243374	17.41	ng	-0.02
78) Terphenyl-d14	12.87	244	187597	12.38	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.07	128	77033	3.252	ng	99
37) 2-Methylnaphthalene	8.77	142	81656	5.623	ng	97
49) Dimethylphthalate	9.52	163	37734	2.513	ng	97
51) Acenaphthene	9.84	154	55385	4.041	ng	98
54) Dibenzofuran	10.01	168	40145	2.185	ng	# 96
57) Fluorene	10.35	166	50354	3.546	ng	96
70) Phenanthrene	11.32	178	282472	13.759	ng	100
71) Anthracene	11.36	178	69050	3.316	ng	99
74) Fluoranthene	12.50	202	285338	13.316	ng	99
77) Pyrene	12.73	202	269916	10.443	ng	98
80) Benzo(a)anthracene	13.92	228	118784	6.272	ng	97
82) Chrysene	13.95	228	118216	6.275	ng	98
85) Indeno(1,2,3-cd)pyrene	16.74	276	50063	3.612	ng	96
87) Benzo(b)fluoranthene	14.94	252	147372m	8.585	ng	
88) Benzo(k)fluoranthene	14.97	252	38736m	2.402	ng	
89) Benzo(a)pyrene	15.29	252	98774	6.500	ng	97
91) Benzo(a,h,i)perylene	17.16	276	45911	3.556	ng	# 91

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

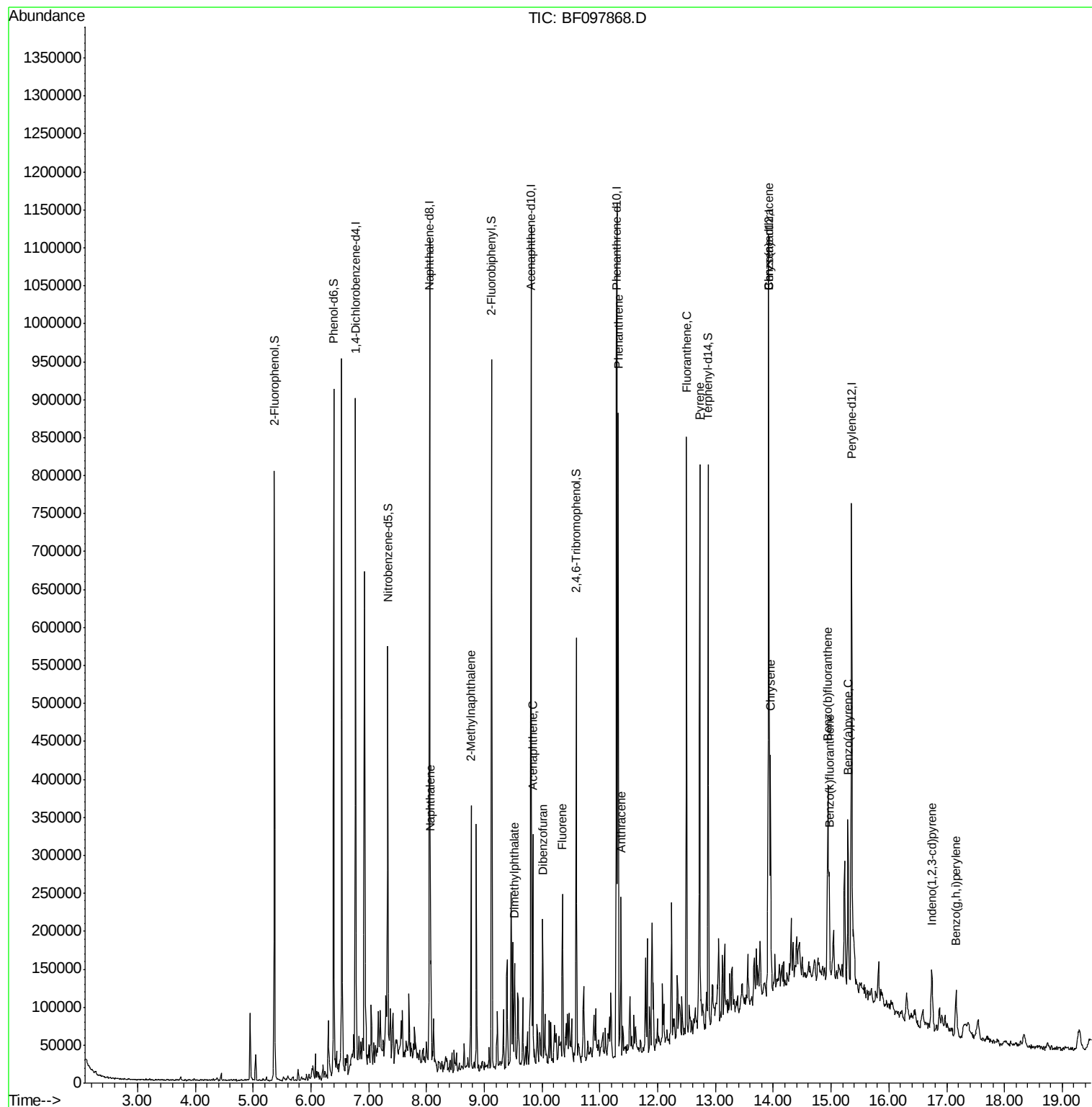
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
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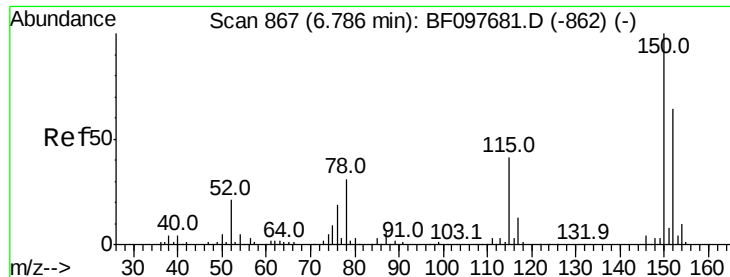
Instrument :
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Quant Time: Aug 21 01:03:37 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

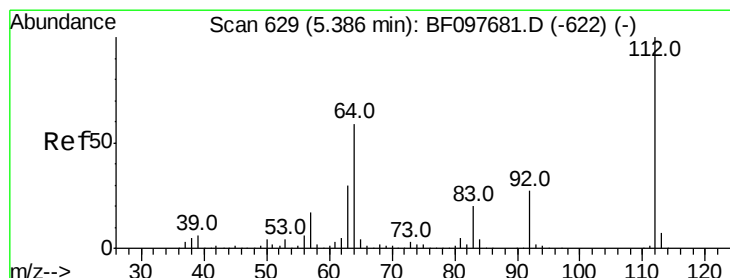
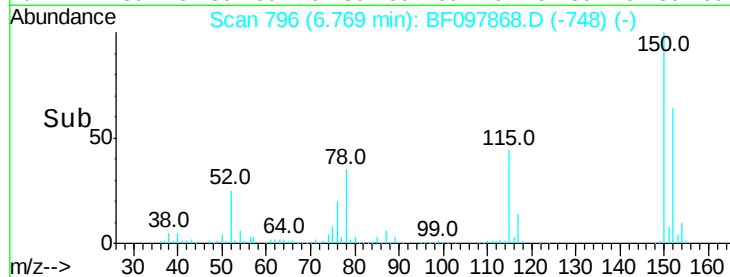
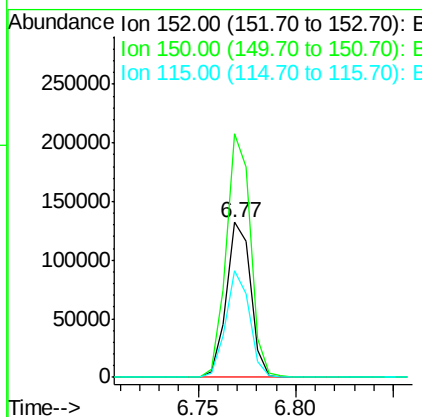
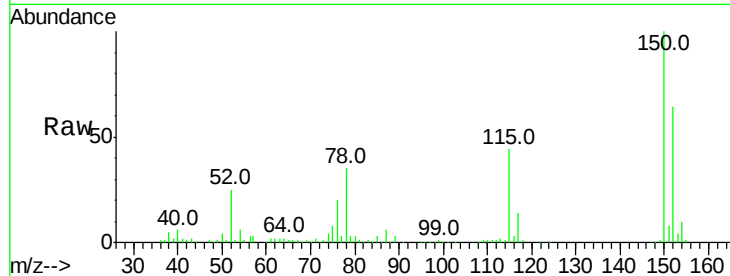
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF097868.D
 Acq: 19 Aug 2017 8:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-J8-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.2	189.2
115	69.0	52.2	78.2

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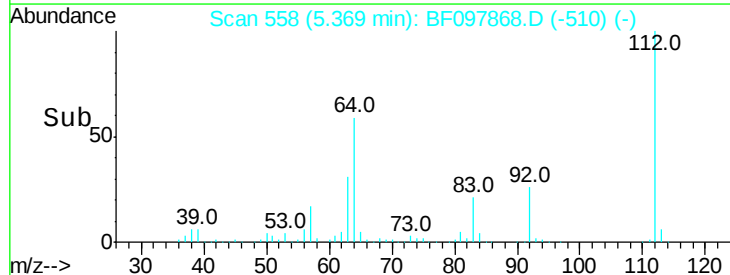
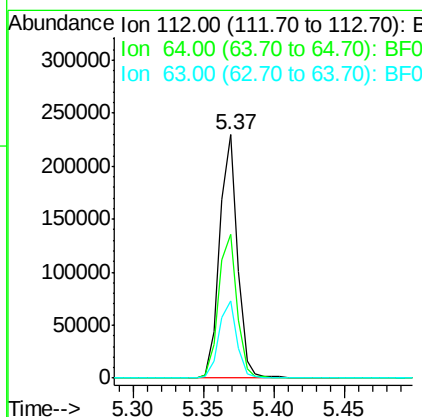
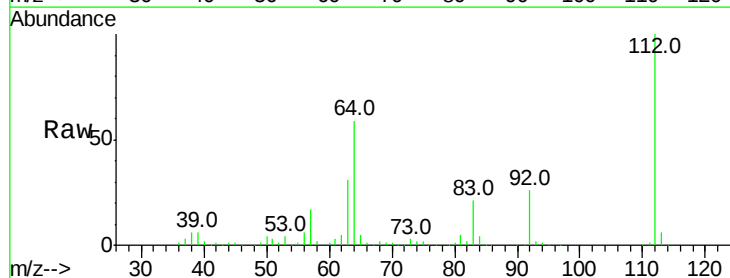
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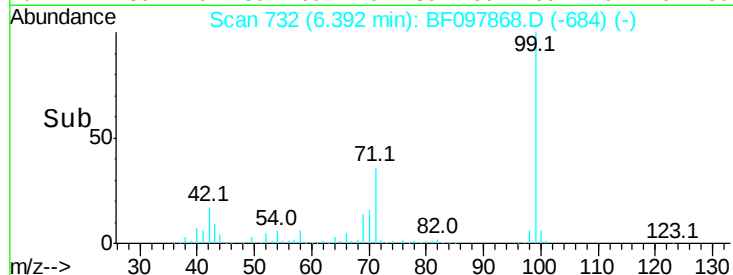
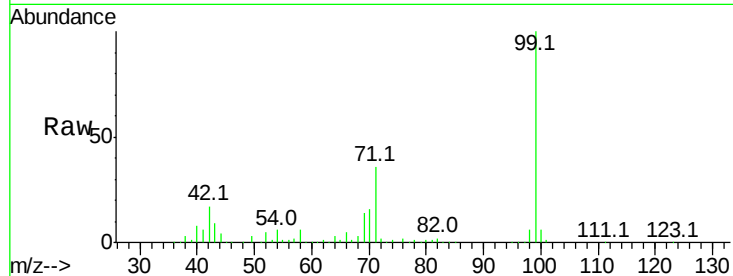
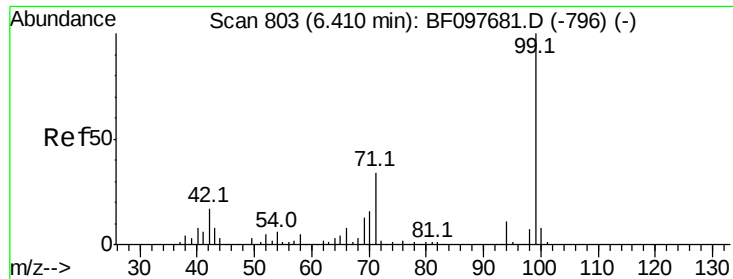


#5

2-Fluorophenol
 Concen: 27.023 ng
 RT: 5.37 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: BF097868.D
 Acq: 19 Aug 2017 8:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.0	69.0
63	31.5	23.4	35.0





#7

Phenol-d6

Concen: 26.973 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097868.D

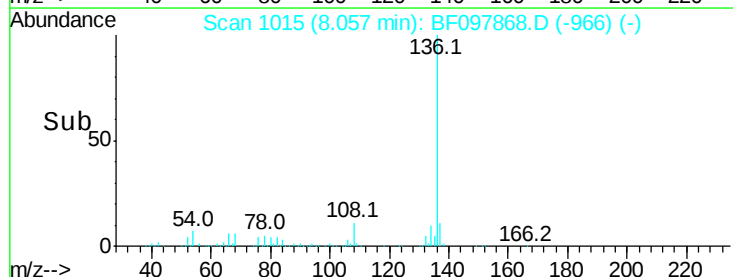
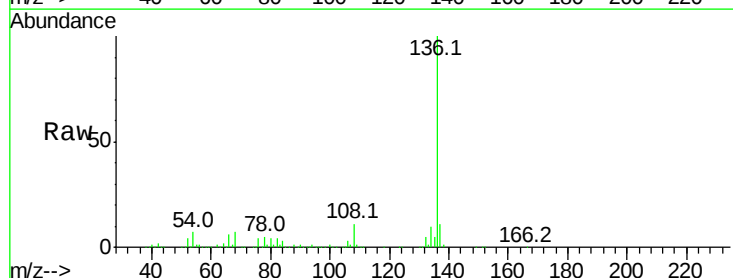
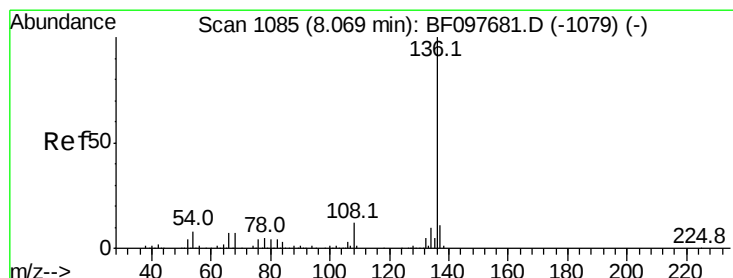
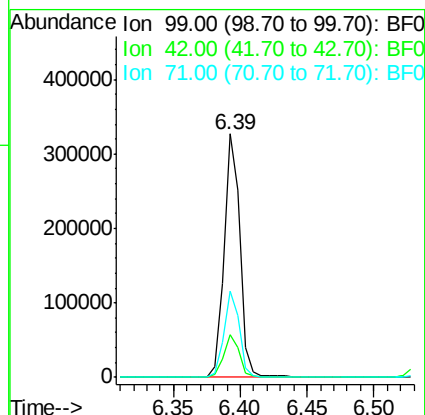
Acq: 19 Aug 2017 8:24

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		274895		
42	17.4	13.5	20.3		
71	35.6	24.5	36.7		

Instrument :
BNA_F
ClientSampleId :
E2-J8-BASE

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#21

Naphthalene-d8

Concen: 20.000 ng

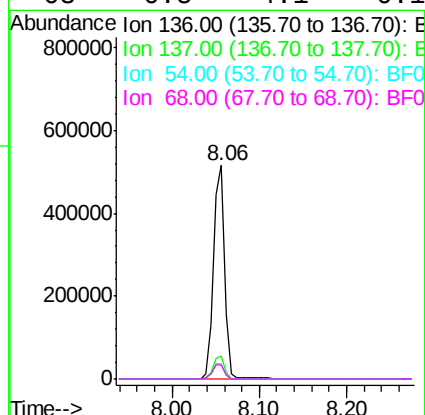
RT: 8.06 min Scan# 1015

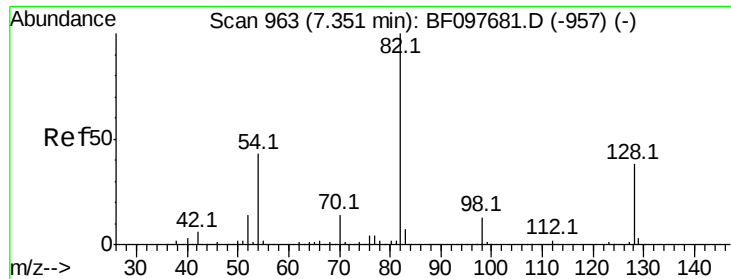
Delta R.T. -0.01 min

Lab File: BF097868.D

Acq: 19 Aug 2017 8:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		456261		
137	11.0	8.5	12.7		
54	7.5	4.9	7.3#		
68	6.5	4.1	6.1#		





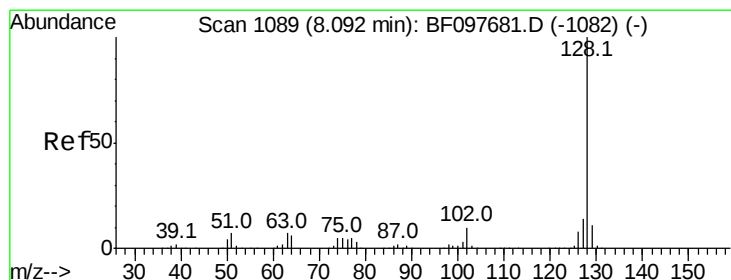
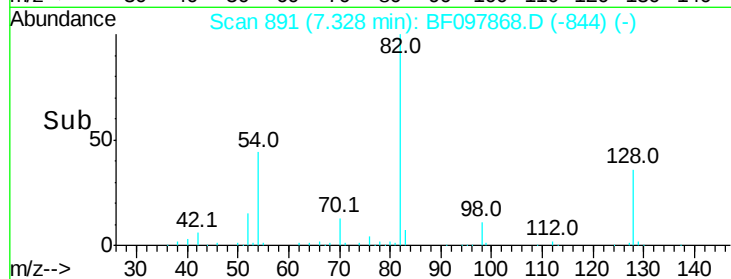
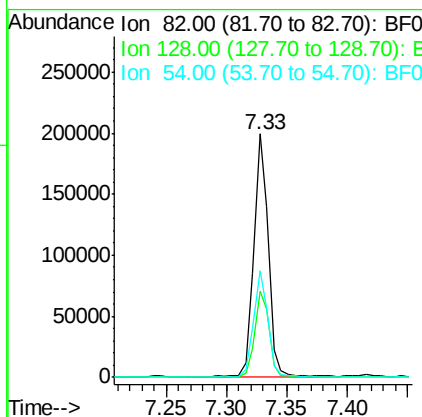
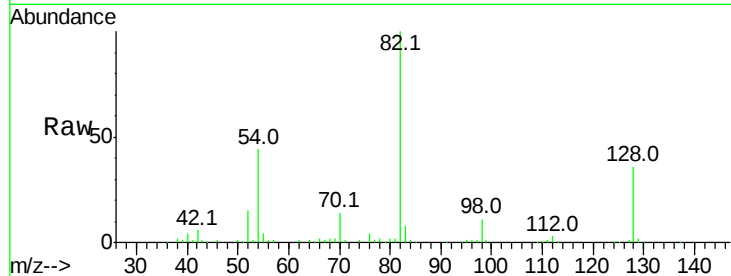
#23
Nitrobenzene-d5
Concen: 19.936 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.02 min
Lab File: BF097868.D
Acq: 19 Aug 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-J8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
82	100	167441		
128	35.7	34.0	51.0	
54	44.0	42.2	63.2	

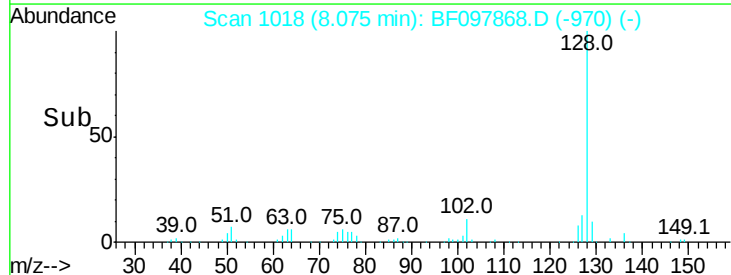
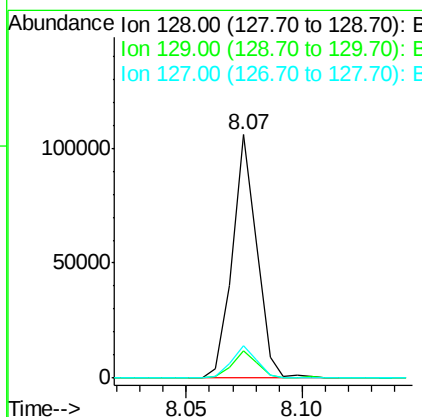
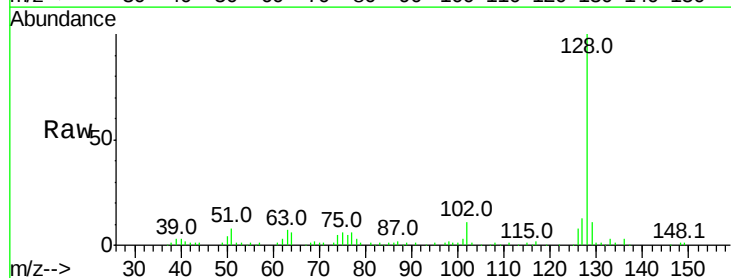
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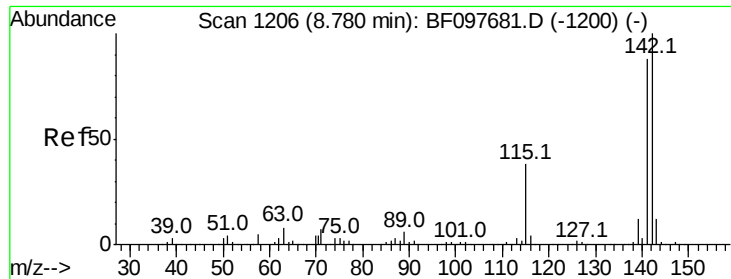
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#31
Naphthalene
Concen: 3.252 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.02 min
Lab File: BF097868.D
Acq: 19 Aug 2017 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	77033		
129	11.1	9.0	13.6	
127	13.3	10.8	16.2	





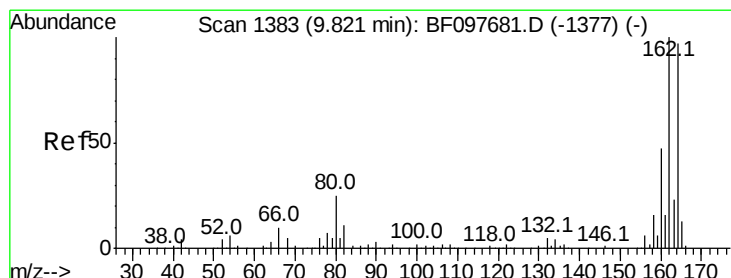
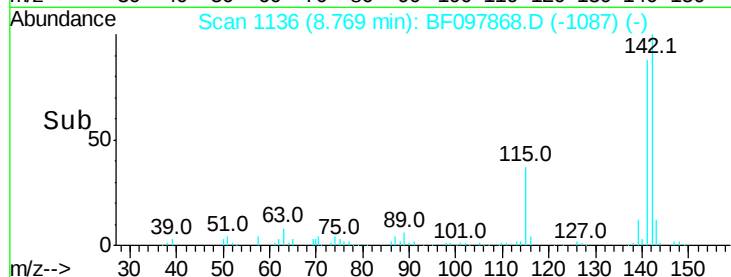
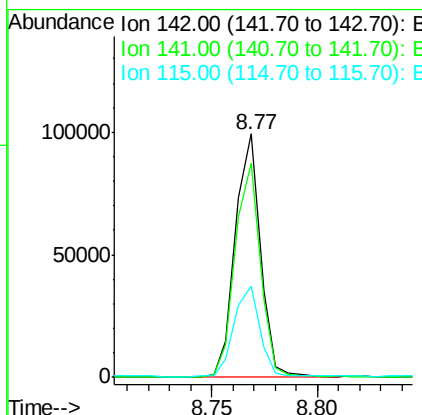
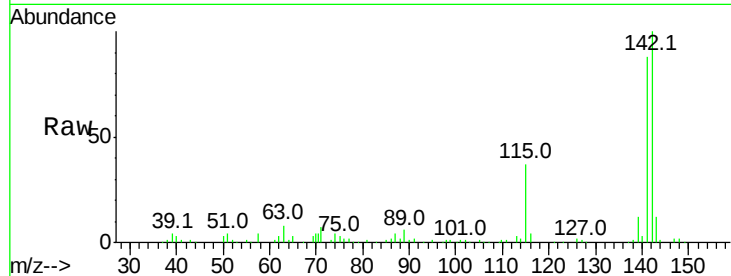
#37
 2-Methylnaphthalene
 Concen: 5.623 ng
 RT: 8.77 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: BF097868.D
 Acq: 19 Aug 2017 8:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-J8-BASE

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.3	106.9
115	37.5	27.1	40.7

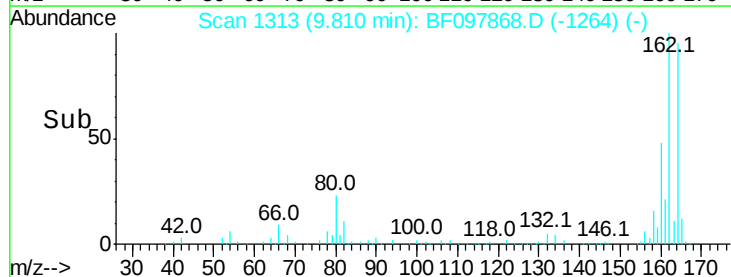
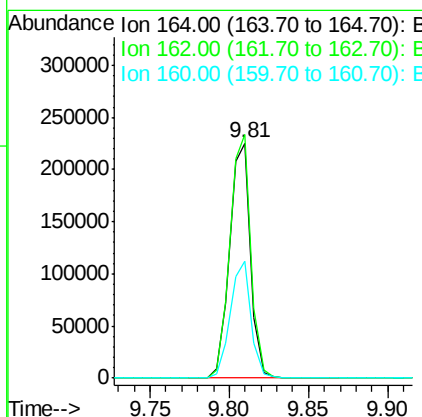
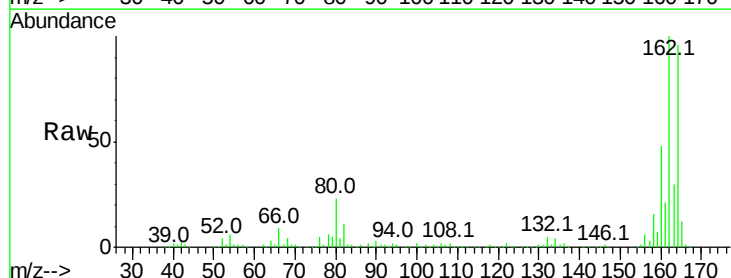
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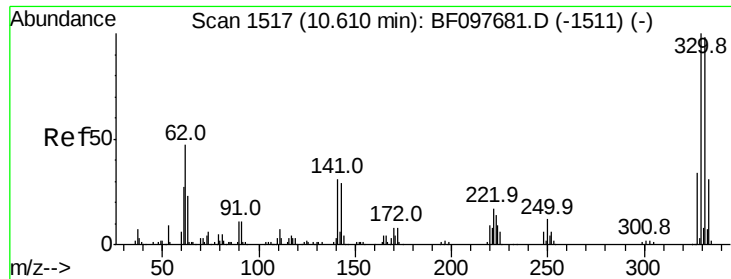
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097868.D
 Acq: 19 Aug 2017 8:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.6	123.8
160	49.9	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 25.523 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BF097868.D

Acq: 19 Aug 2017 8:24

Instrument :

BNA_F

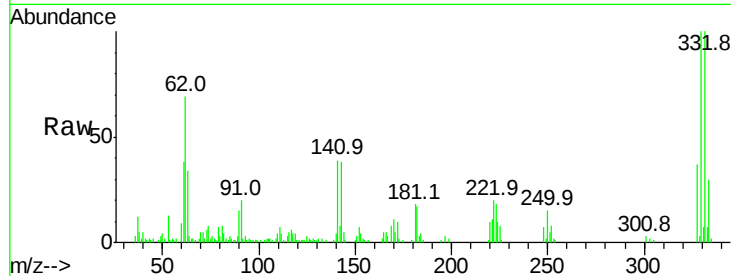
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E2-J8-BASE

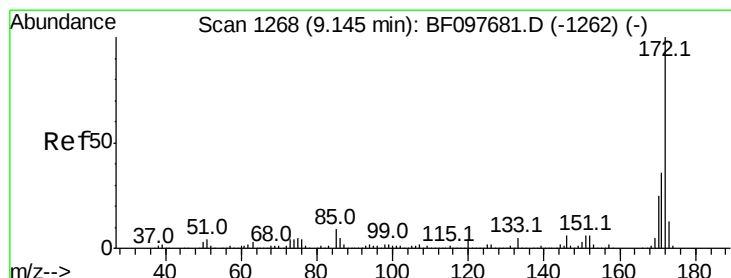
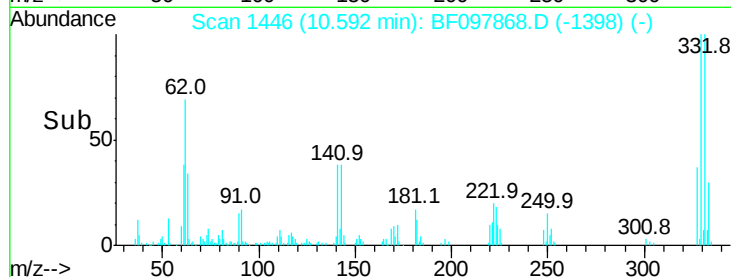
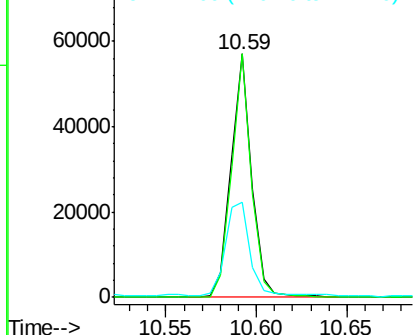
Tot Ion:	330	Resp:	45485
Ion Ratio	Lower	Upper	
330	100		
332	95.8	76.6	115.0
141	46.0	31.4	47.2

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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: 17.409 ng

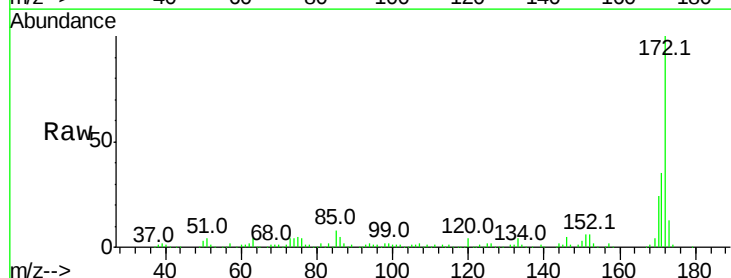
RT: 9.13 min Scan# 1197

Delta R.T. -0.02 min

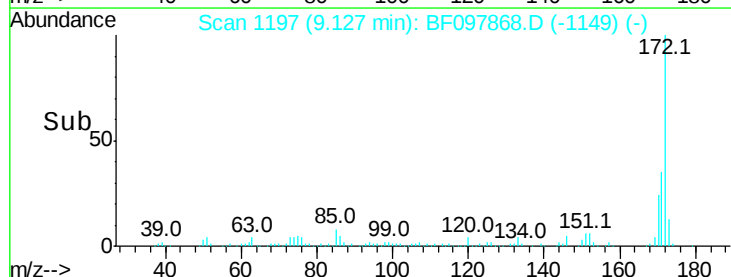
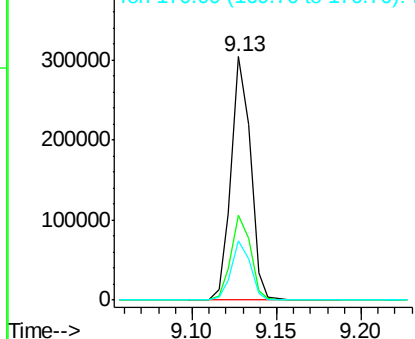
Lab File: BF097868.D

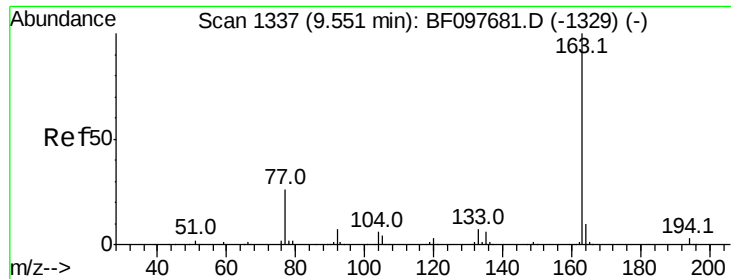
Acq: 19 Aug 2017 8:24

Tgt Ion:	172	Resp:	243374
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.6	44.4
170	24.3	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





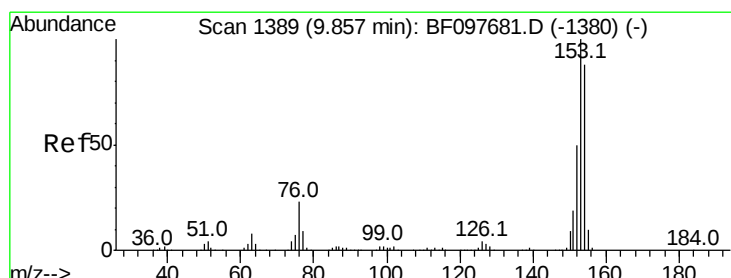
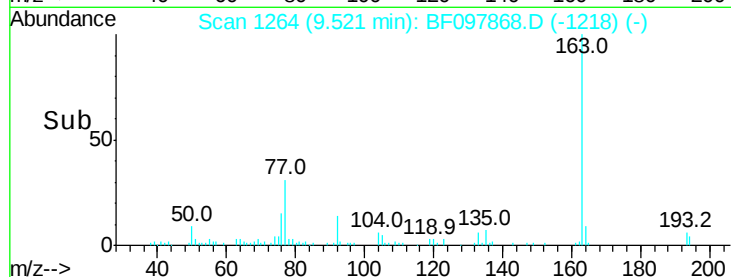
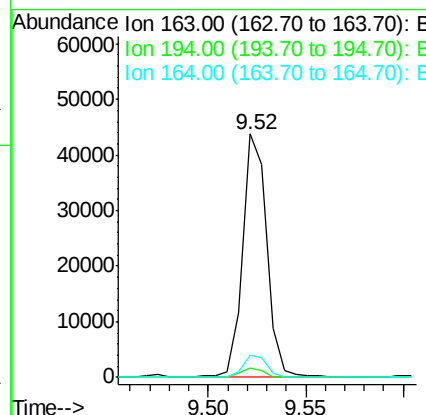
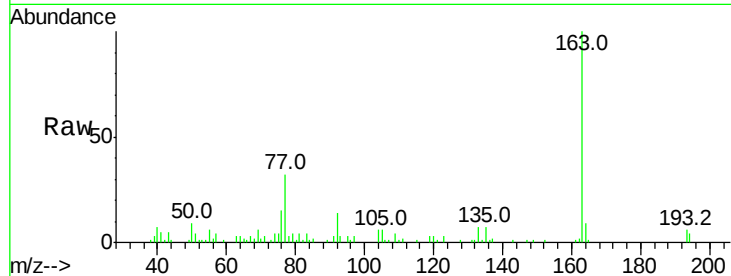
#49
Dimethylphthalate
Concen: 2.513 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.03 min
Lab File: BF097868.D
Acq: 19 Aug 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-J8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	37734		
194	3.9		2.6	4.0
164	9.0		8.4	12.6

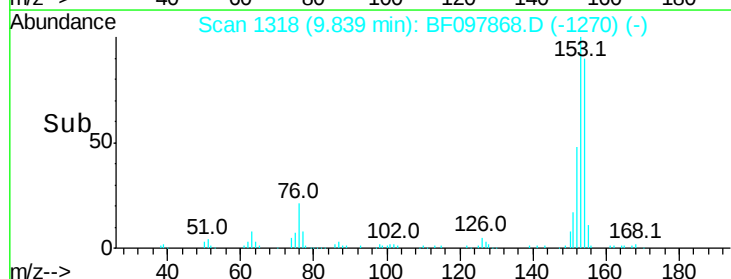
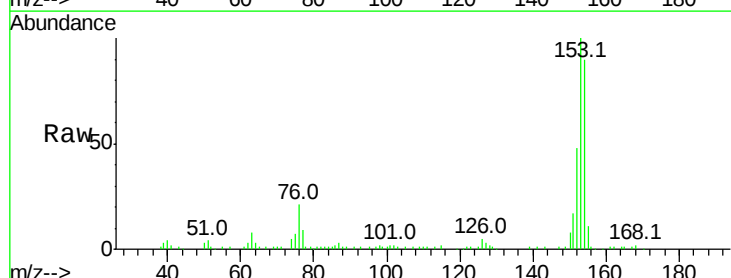
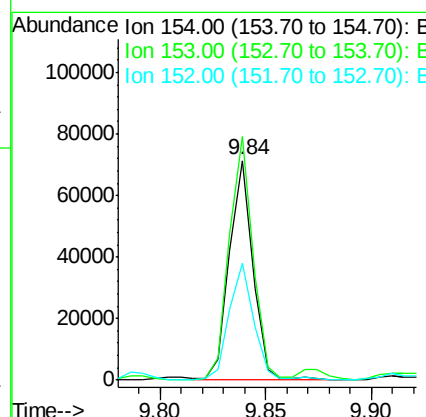
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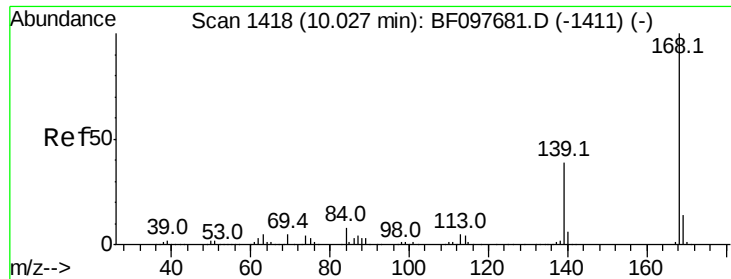
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#51
Acenaphthene
Concen: 4.041 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF097868.D
Acq: 19 Aug 2017 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	55385		
153	110.8		90.5	135.7
152	53.3		43.6	65.4





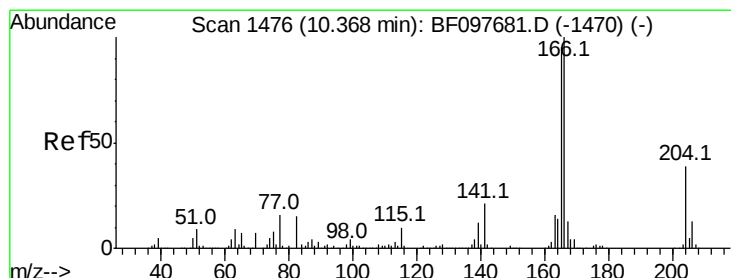
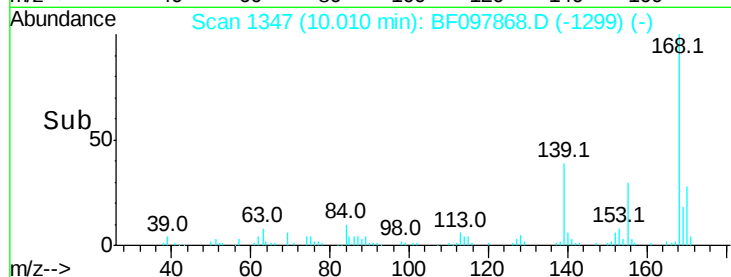
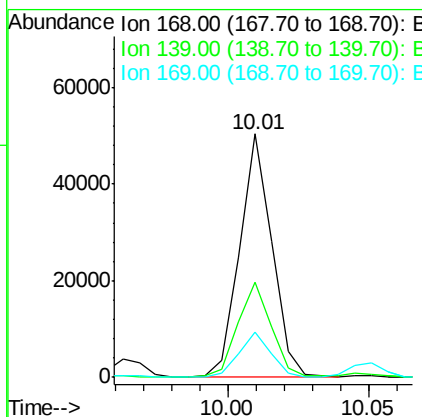
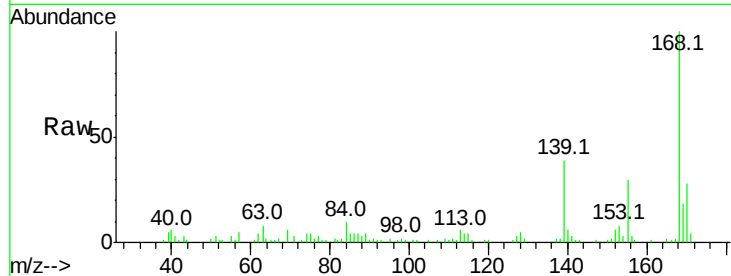
#54
Dibenzenofuran
Concen: 2.185 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF097868.D
Acq: 19 Aug 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-J8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	39.2	30.6	45.8	
169	18.4	10.8	16.2	

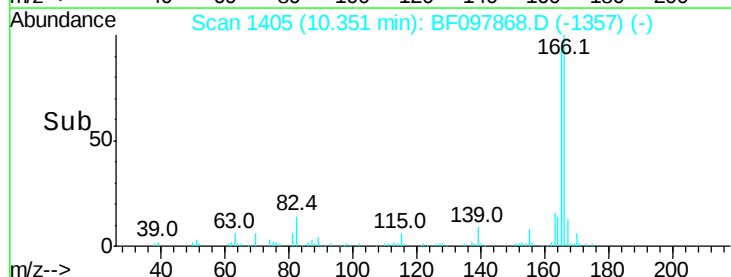
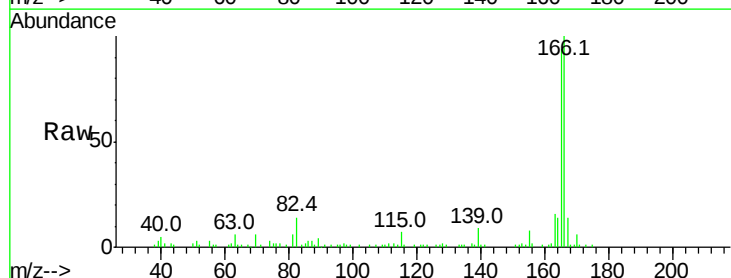
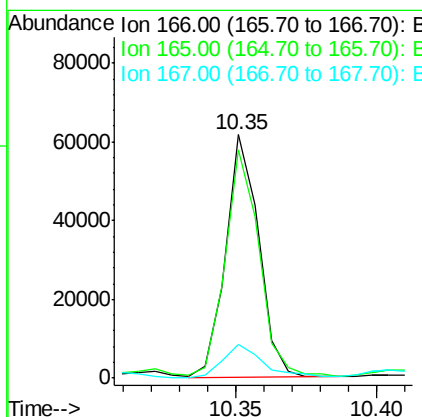
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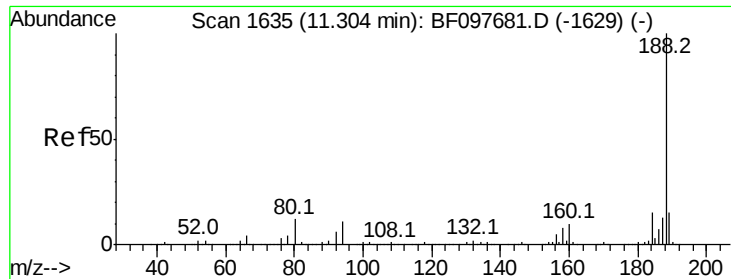
mohammad
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#57
Fluorene
Concen: 3.546 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.02 min
Lab File: BF097868.D
Acq: 19 Aug 2017 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	93.7	78.8	118.2	
167	13.9	10.6	16.0	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF097868.D

Acq: 19 Aug 2017 8:24

Instrument :

BNA_F

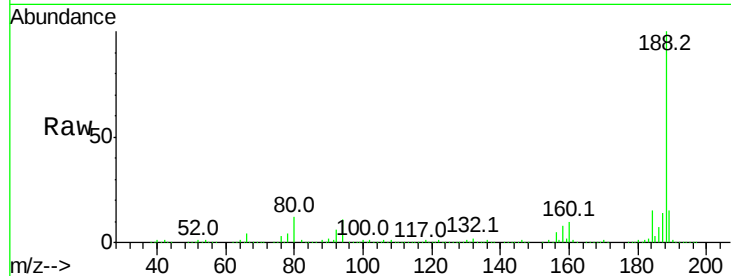
ClientSampleId :

E2-J8-BASE

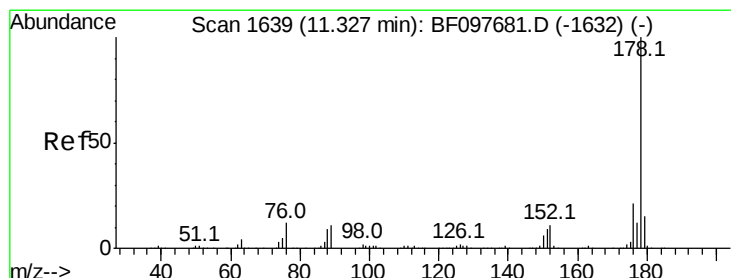
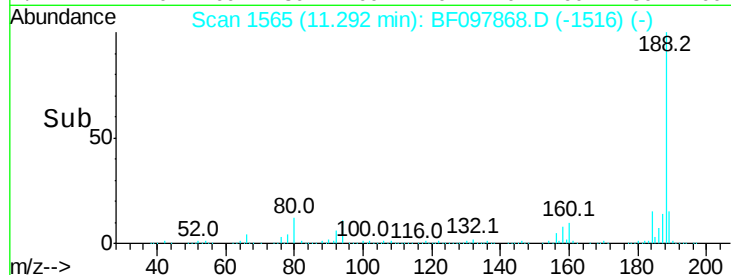
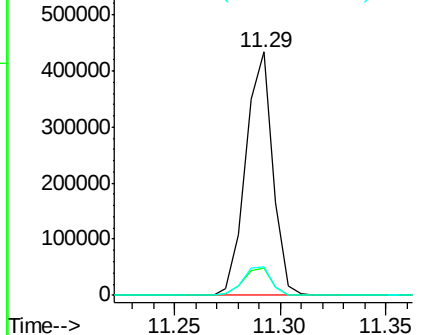
Tot Ion:	188	Resp:	385263
Ion Ratio	Lower	Upper	
188	100		
94	11.3	9.4	14.2
80	11.8	10.2	15.2

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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: 13.759 ng

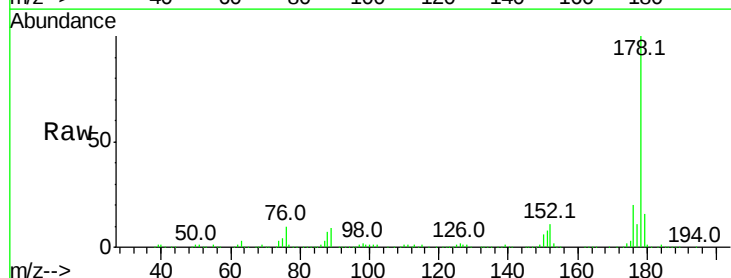
RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

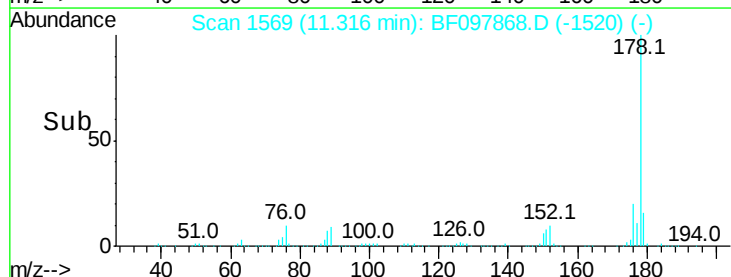
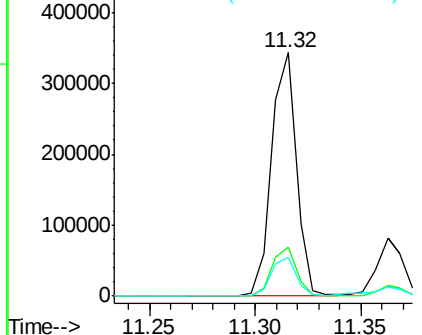
Lab File: BF097868.D

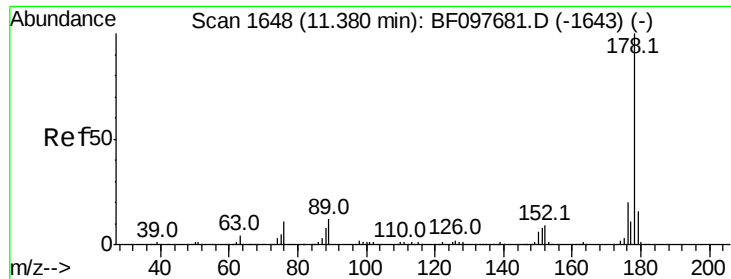
Acq: 19 Aug 2017 8:24

Tgt Ion:	178	Resp:	282472
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.2	24.4
179	15.9	12.6	19.0



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





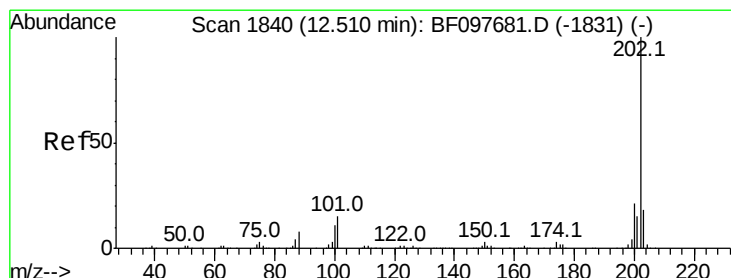
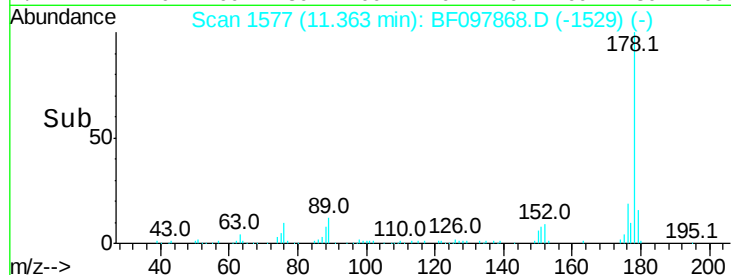
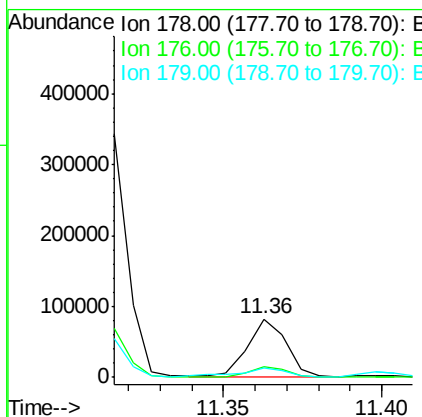
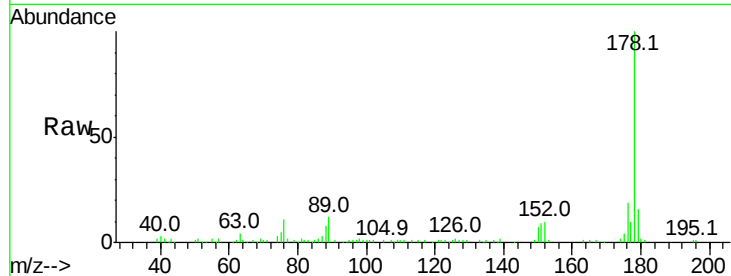
#71
 Anthracene
 Concen: 3.316 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF097868.D
 Acq: 19 Aug 2017 8:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-J8-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	16.0	12.7	19.1

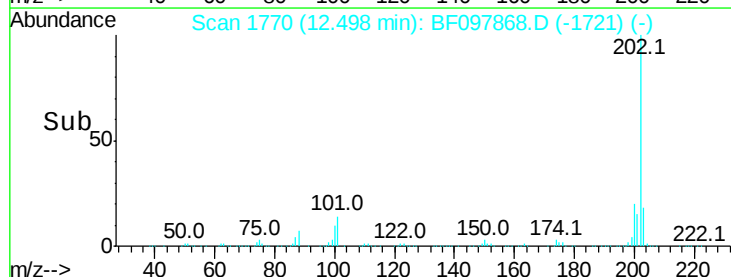
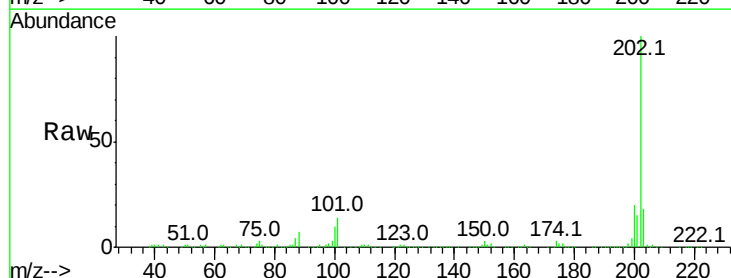
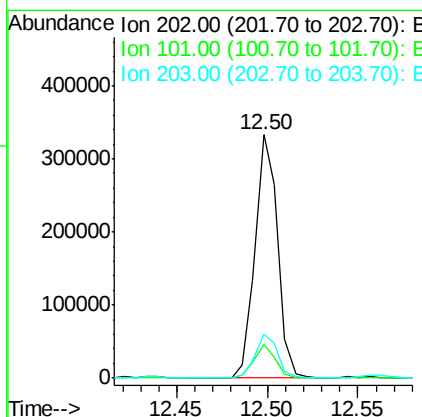
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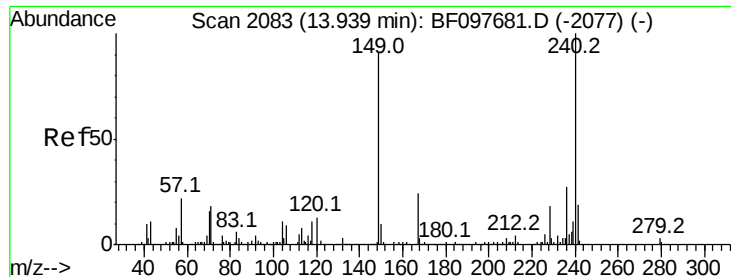
mohammad
 8/21/2017 8:19:37 AM



#74
 Fluoranthene
 Concen: 13.316 ng
 RT: 12.50 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: BF097868.D
 Acq: 19 Aug 2017 8:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	33.2
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BF097868.D

Acq: 19 Aug 2017 8:24

Instrument :

BNA_F

ClientSampleId :

E2-J8-BASE

Tot Ion:240 Resp: 316003
Ion Ratio Lower Upper

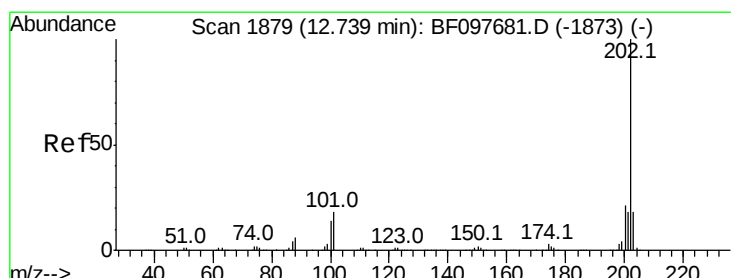
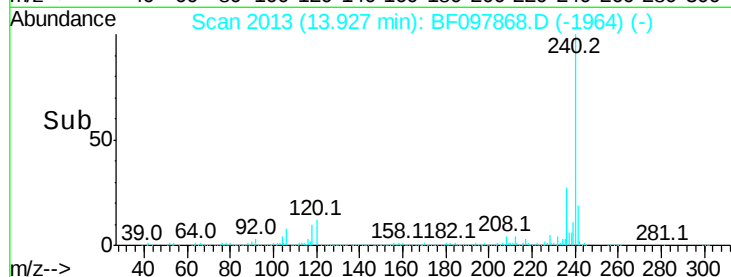
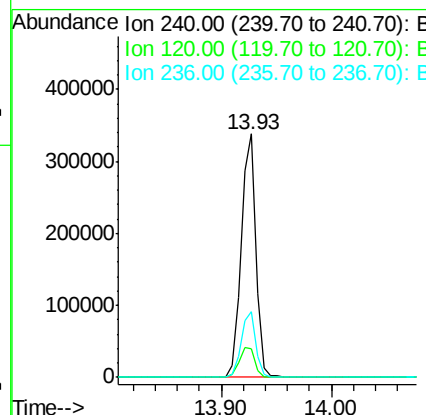
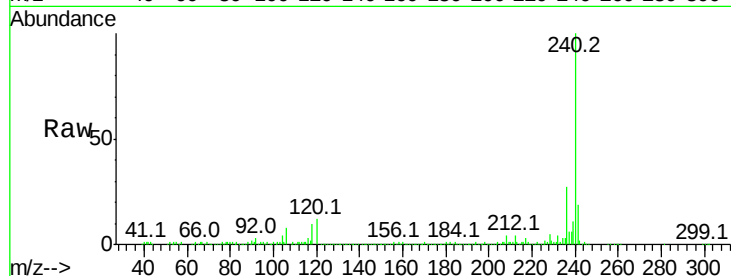
240 100

120 11.8 5.8 8.8#

236 26.9 20.5 30.7

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#77

Pyrene

Concen: 10.443 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF097868.D

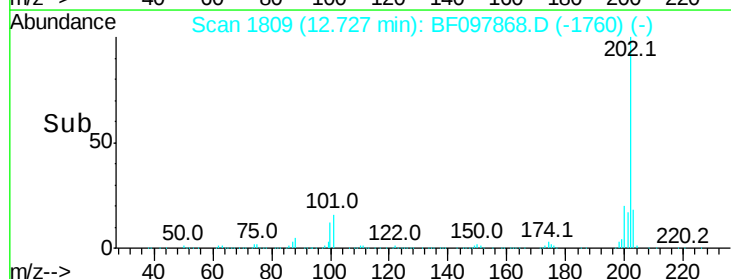
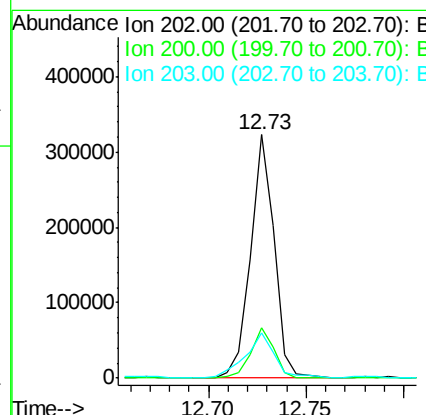
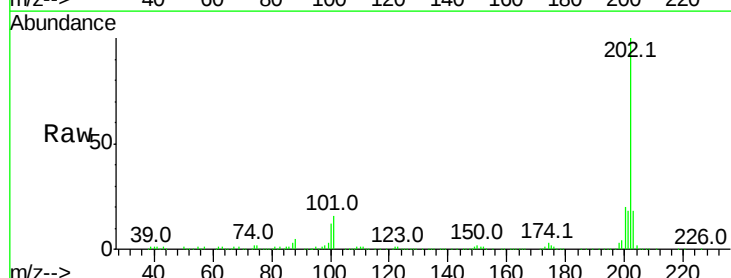
Acq: 19 Aug 2017 8:24

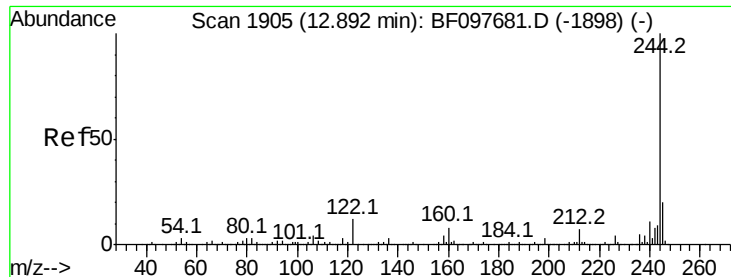
Tgt Ion:202 Resp: 269916
Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

203 18.4 14.4 21.6





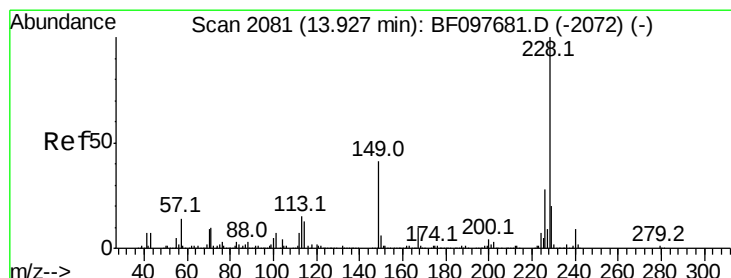
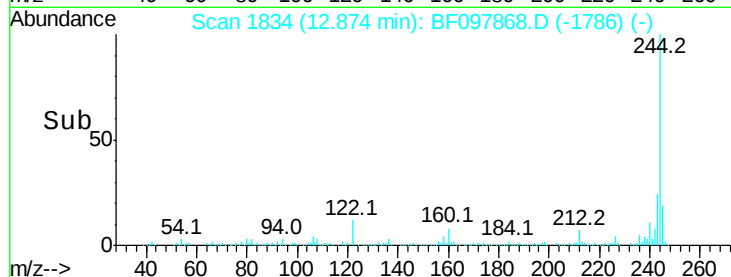
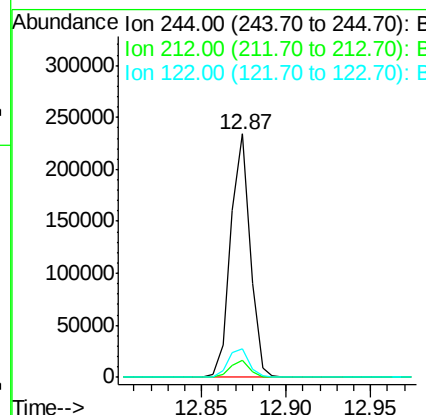
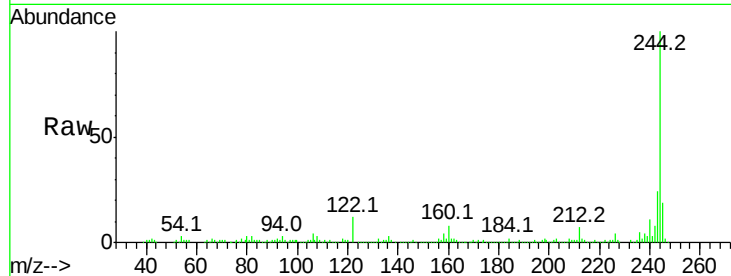
#78
 Terphenyl-d14
 Concen: 12.380 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: BF097868.D
 Acq: 19 Aug 2017 8:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-J8-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	11.7	10.3	15.5

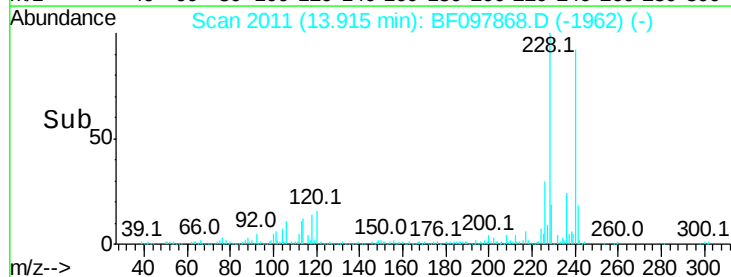
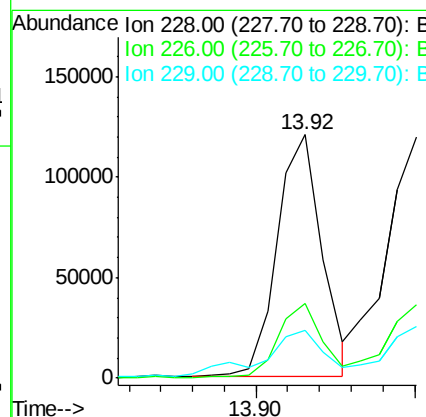
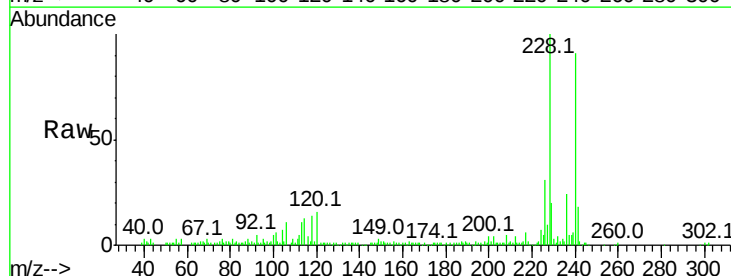
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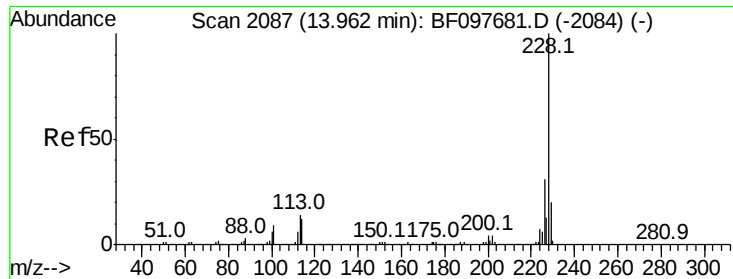
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#80
 Benzo(a)anthracene
 Concen: 6.272 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BF097868.D
 Acq: 19 Aug 2017 8:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	19.8	16.3	24.5





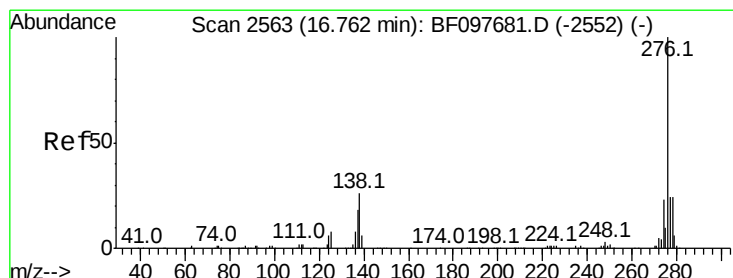
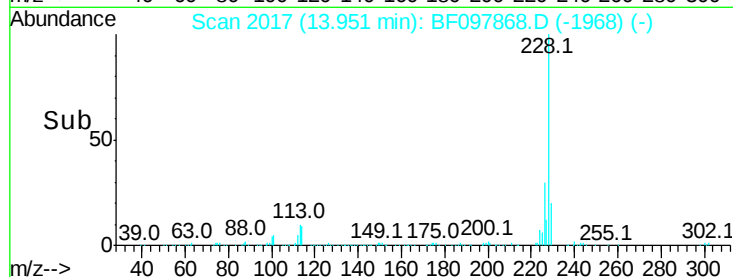
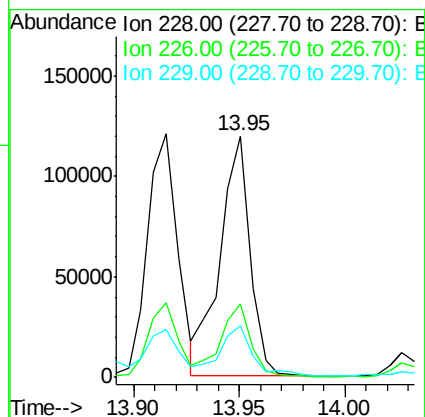
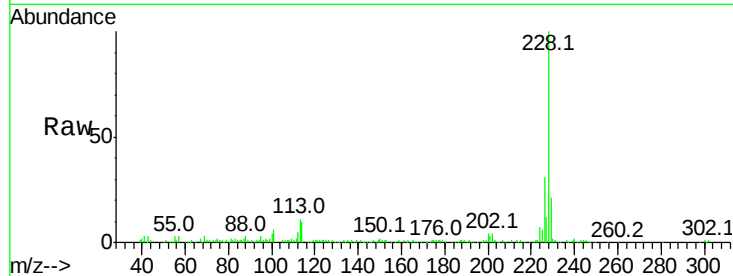
#82
Chrysene
Concen: 6.275 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF097868.D
Acq: 19 Aug 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-J8-BASE

Tot Ion	Ratio	Resp Lower	Upper
228	100		
226	30.6	24.9	37.3
229	21.5	15.8	23.6

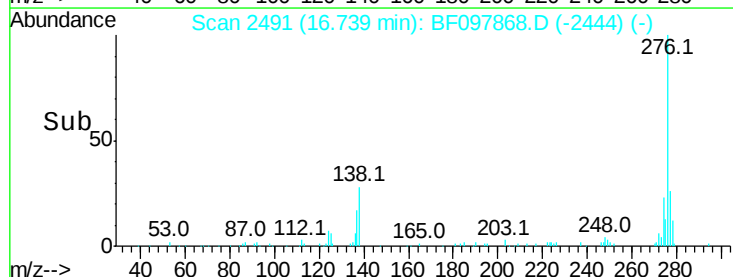
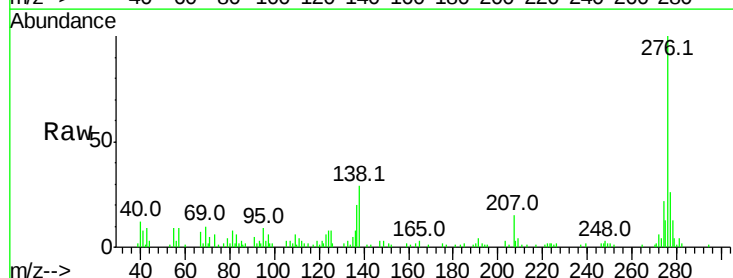
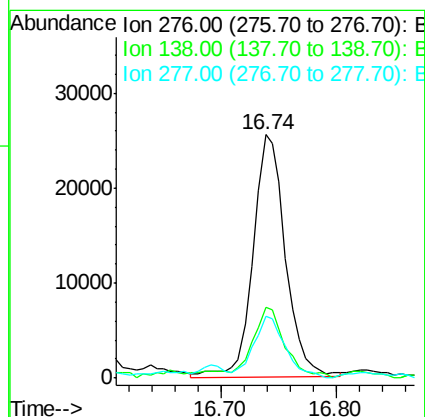
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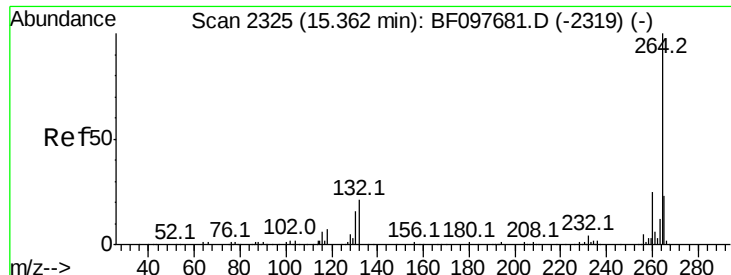
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.612 ng
RT: 16.74 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BF097868.D
Acq: 19 Aug 2017 8:24

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	31.3	27.8	41.6
277	25.0	20.2	30.4





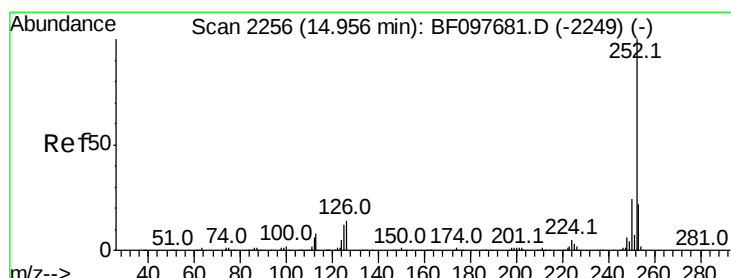
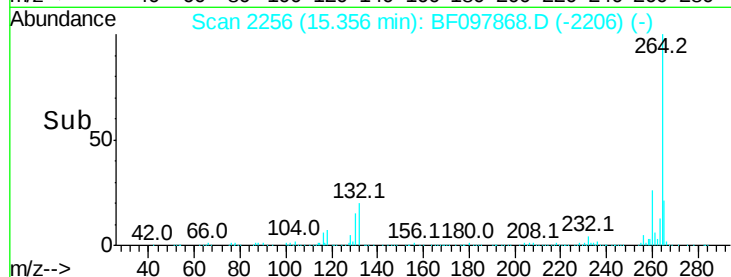
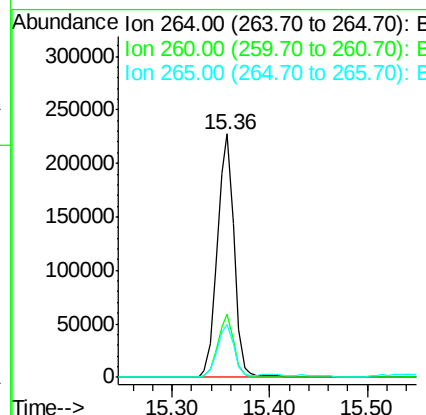
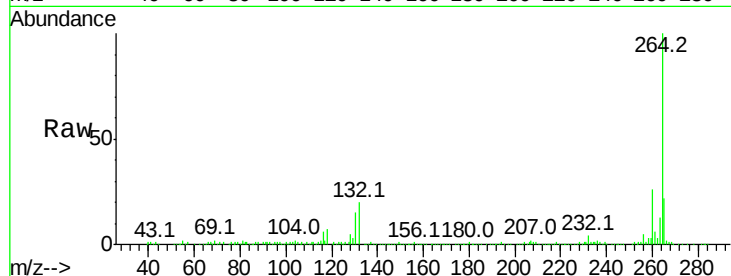
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF097868.D
Acq: 19 Aug 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-J8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
264	100	272337		
260	25.7	19.5	29.3	
265	21.5	17.2	25.8	

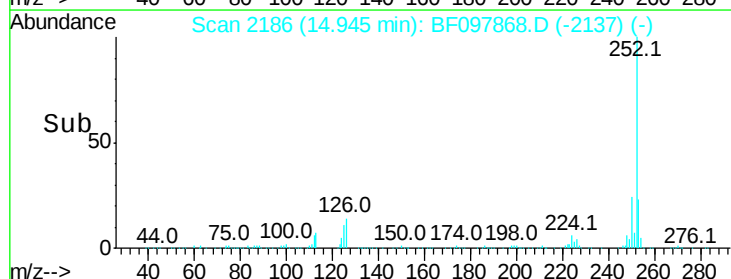
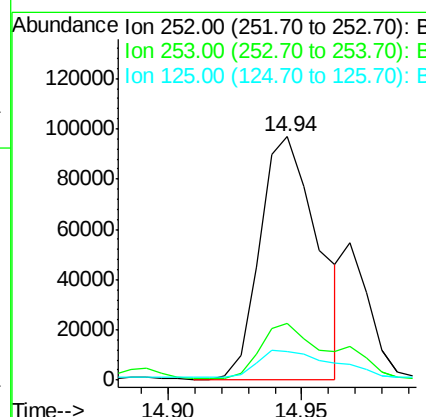
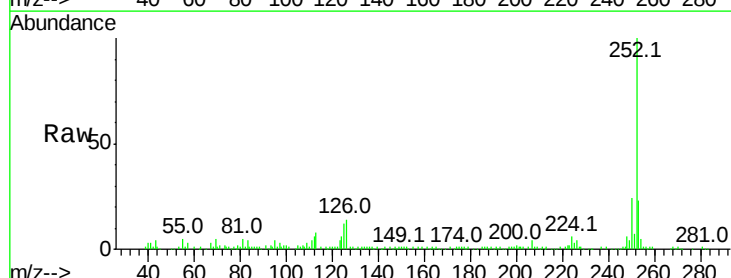
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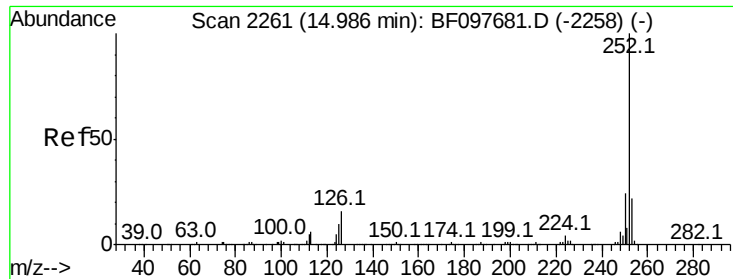
mohammad
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#87
Benzo(b)fluoranthene
Concen: 8.585 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF097868.D
Acq: 19 Aug 2017 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	147372		
253	23.3	18.1	27.1	
125	11.9	9.8	14.8	





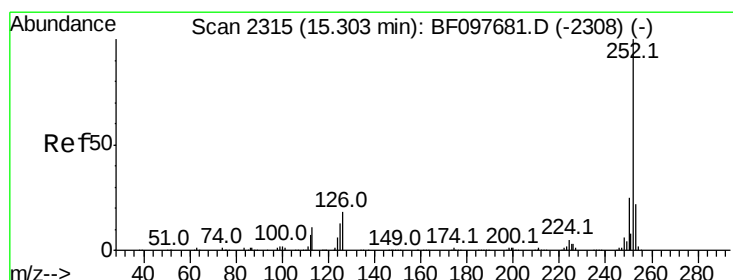
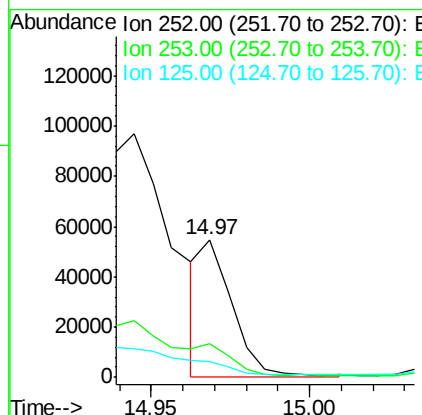
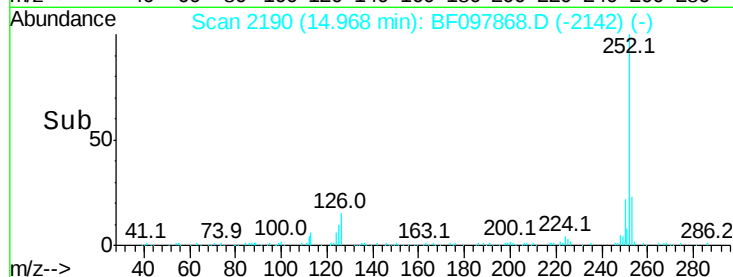
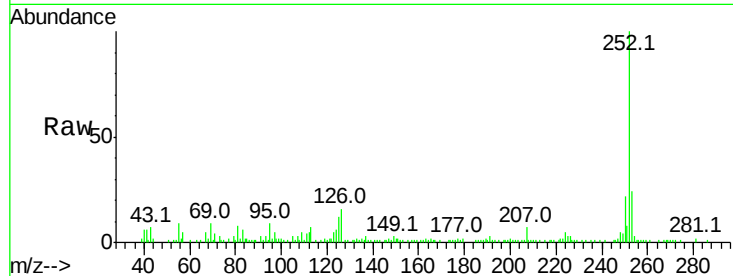
#88
Benzo(k)fluoranthene
Concen: 2.402 ng/mL
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF097868.D
Acq: 19 Aug 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-J8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
252	100	38736		
253	24.1	18.4	27.6	
125	11.6	13.1	19.7	

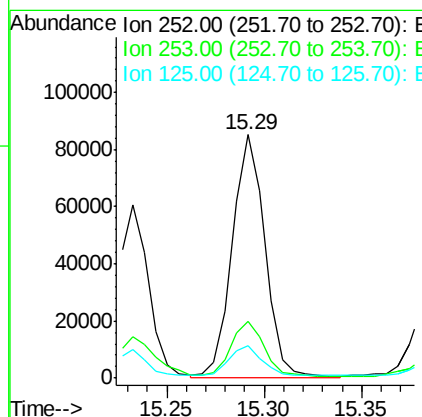
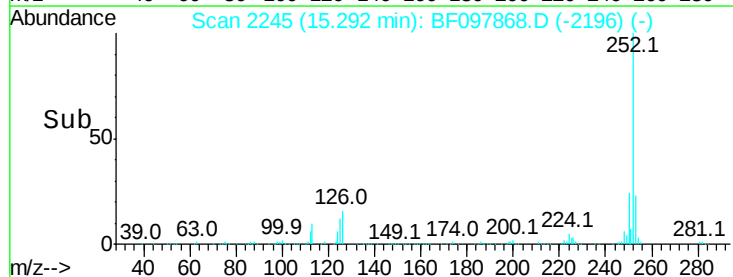
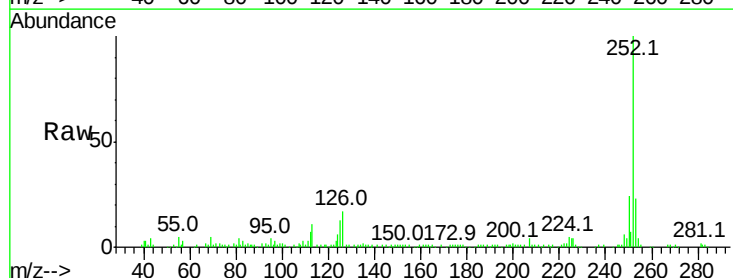
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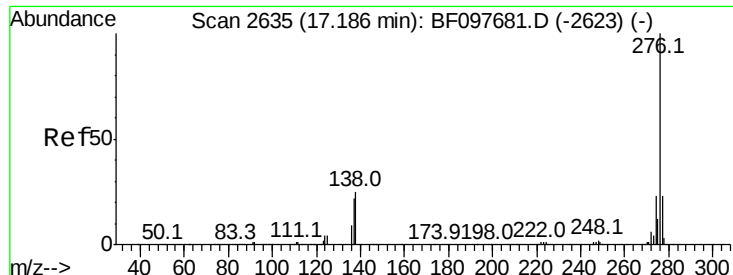
mohammad
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#89
Benzo(a)pyrene
Concen: 6.500 ng/mL
RT: 15.29 min Scan# 2245
Delta R.T. -0.01 min
Lab File: BF097868.D
Acq: 19 Aug 2017 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	98774		
253	23.4	17.5	26.3	
125	13.1	11.0	16.4	





#91
 Benzo(a,h,i)perylene
 Concen: 3.556 ng
 RT: 17.16 min Scan# 2563
 Delta R.T. -0.02 min
 Lab File: BF097868.D
 Acq: 19 Aug 2017 8:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-J8-BASE

Tot Ion:	276	Resp:	45911
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.6	28.0
138	24.6	25.4	38.0

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