

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097709.D
 Acq On : 15 Aug 2017 23:47
 Operator : SJ/JU
 Sample : I4700-07 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-080917-C

Manual Integrations
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Sohil
 8/16/2017 6:45:34 PM

Quant Time: Aug 16 05:24:02 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	6.78	152	152648	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	594101	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	247430	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	391437	20.00	ng	0.00
75) Chrysene-d12	13.93	240	313675	20.00	ng	0.00
86) Perylene-d12	15.37	264	284476	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	187745	18.71	ng	-0.01
7) Phenol-d6	6.40	99	252923	18.55	ng	-0.01
23) Nitrobenzene-d5	7.34	82	143251	13.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	32943	15.34	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	223217	13.25	ng	0.00
78) Terphenyl-d14	12.89	244	125914	8.37	ng	0.00
Target Compounds						
70) Phenanthrene	11.33	178	69635	3.338	ng	98
74) Fluoranthene	12.51	202	105837	4.861	ng	88
77) Pyrene	12.74	202	106207	4.140	ng	98
80) Benzo(a)anthracene	13.93	228	52758	2.806	ng	96
82) Chrysene	13.96	228	50388	2.694	ng	96
87) Benzo(b)fluoranthene	14.96	252	65287m	3.641	ng	
89) Benzo(a)pyrene	15.30	252	43865	2.763	ng	# 90

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

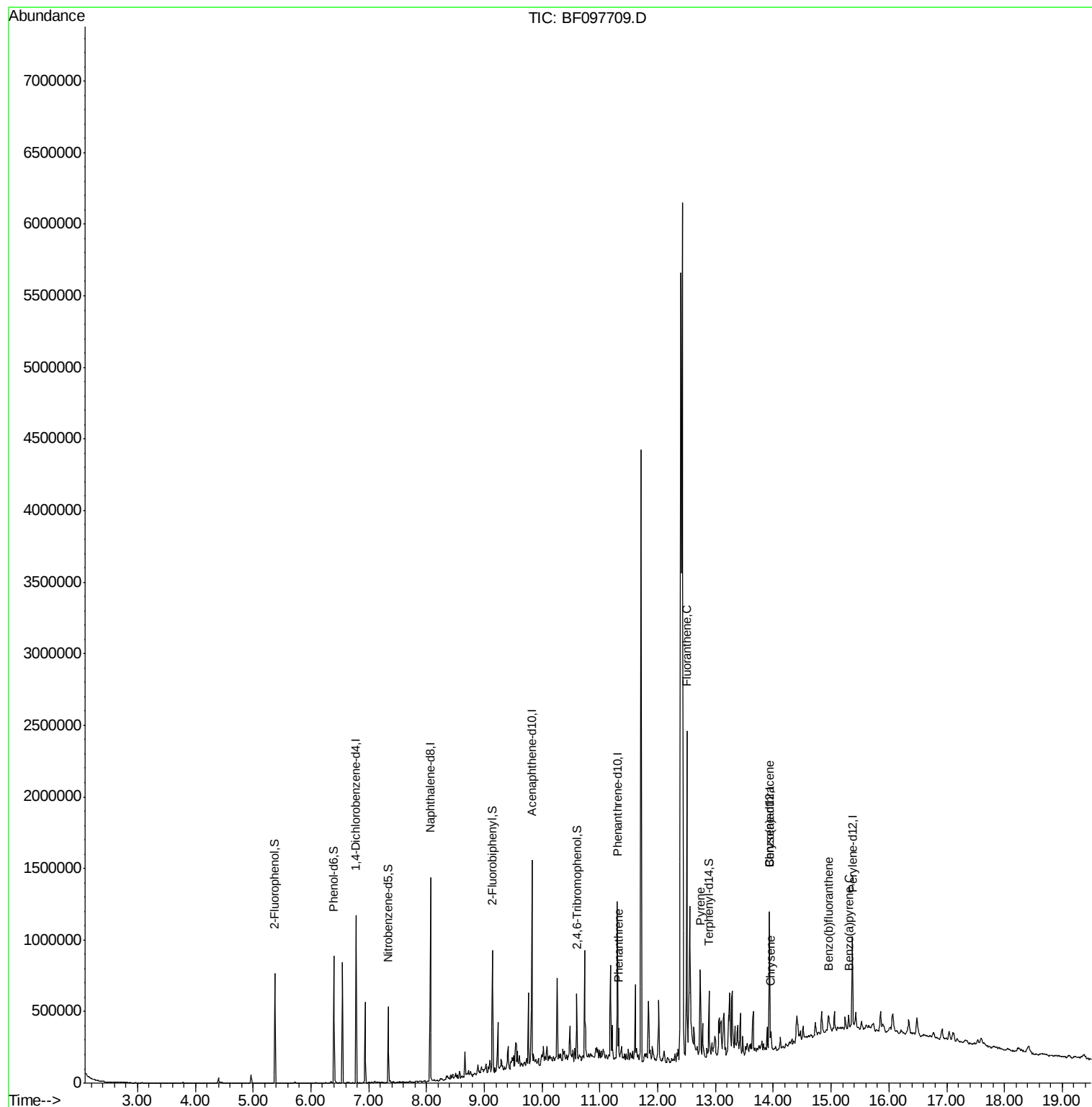
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
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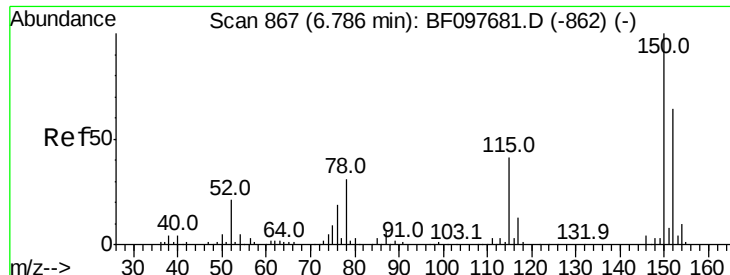
Instrument :
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NB-01-080917-C

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#1

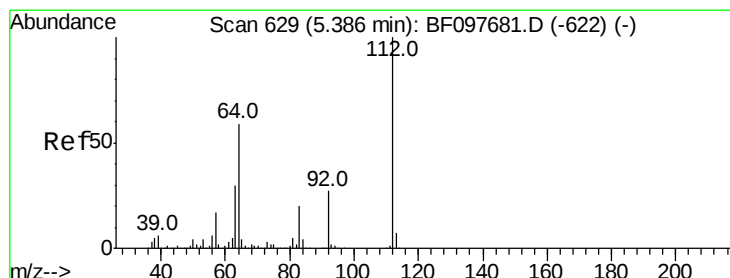
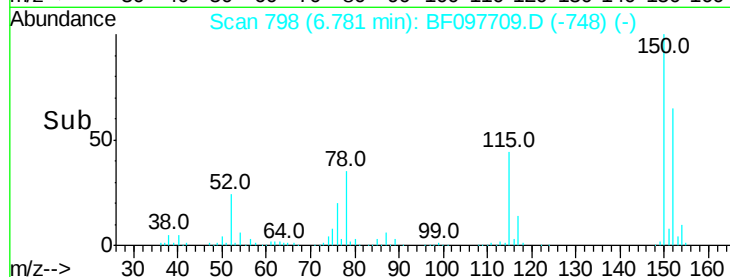
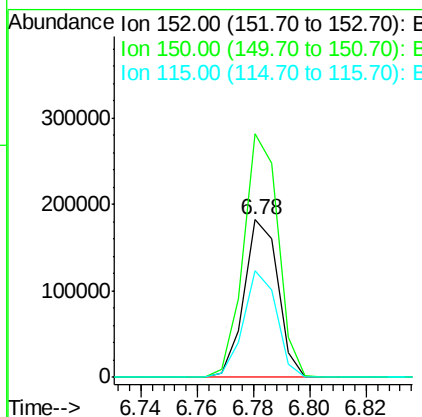
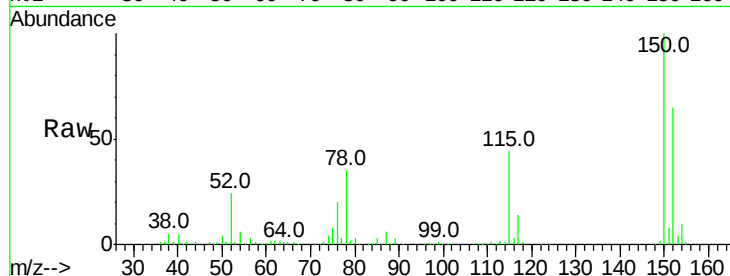
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097709.D
Acq: 15 Aug 2017 23:47

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.2	189.2
115	67.5	52.2	78.2

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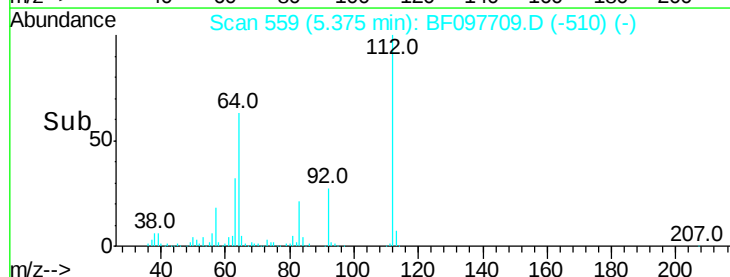
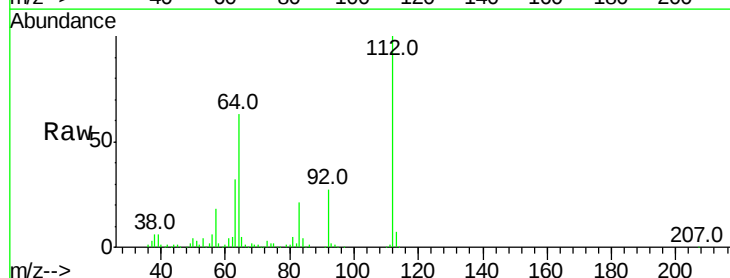
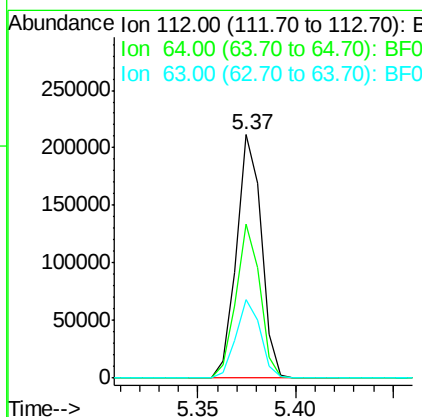
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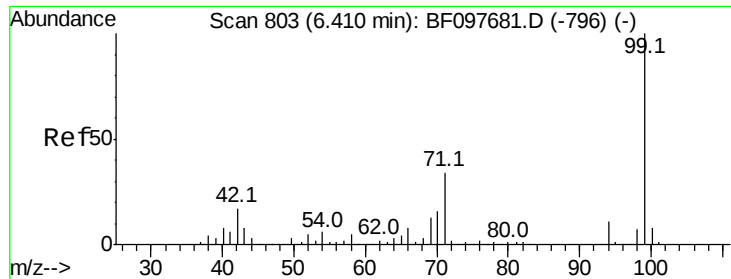


#5

2-Fluorophenol
Concen: 18.708 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097709.D
Acq: 15 Aug 2017 23:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	46.0	69.0
63	32.1	23.4	35.0





#7

Phenol-d6

Concen: 18.549 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Instrument :

BNA_F

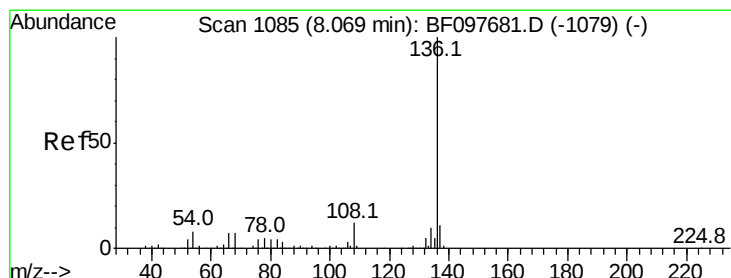
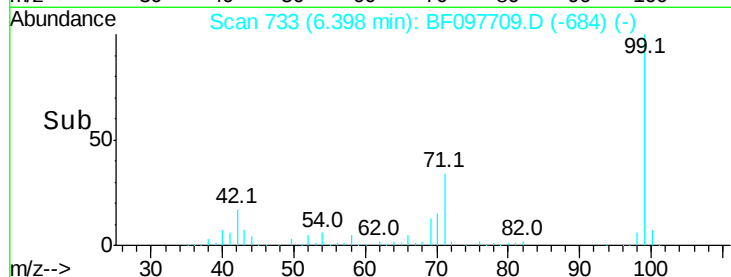
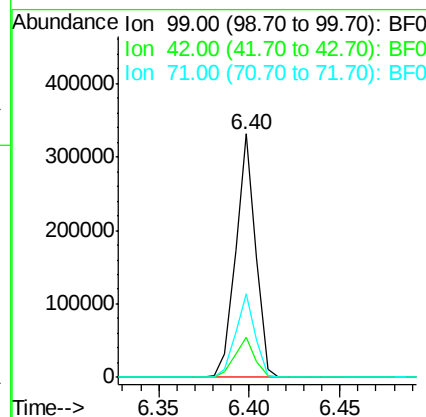
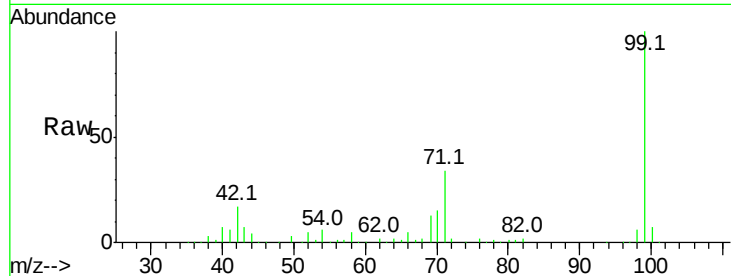
ClientSampleId :

NB-01-080917-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		252923		
42	16.6	13.5	20.3		
71	34.2	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

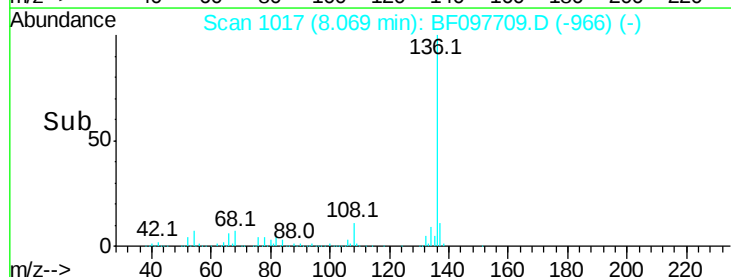
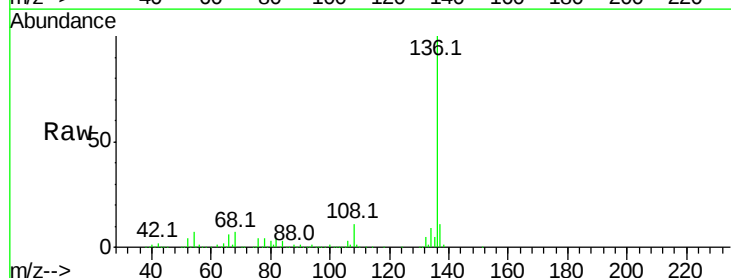
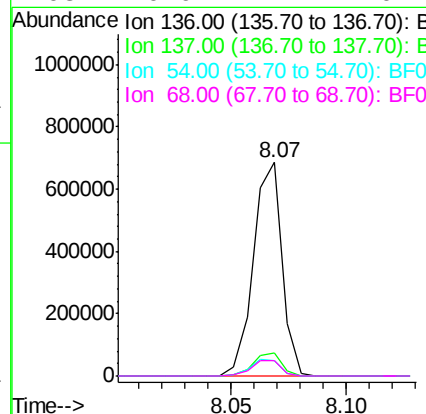
RT: 8.07 min Scan# 1017

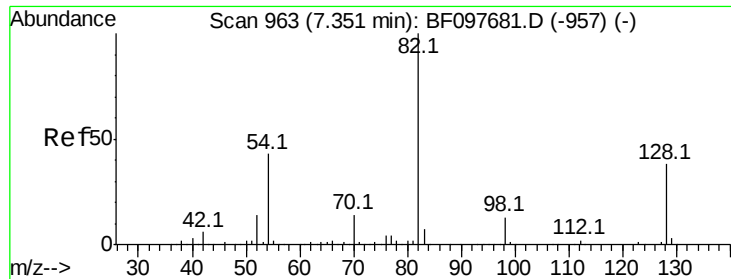
Delta R.T. 0.00 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		594101		
137	10.6	8.5	12.7		
54	7.1	4.9	7.3		
68	6.9	4.1	6.1#		





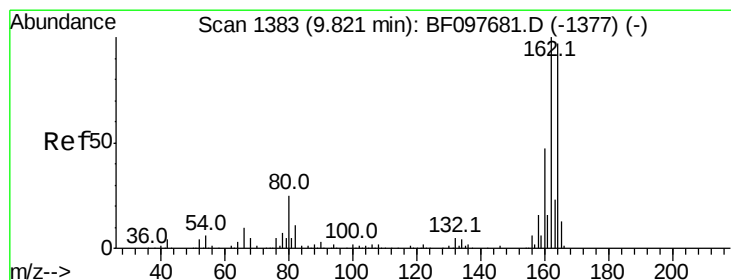
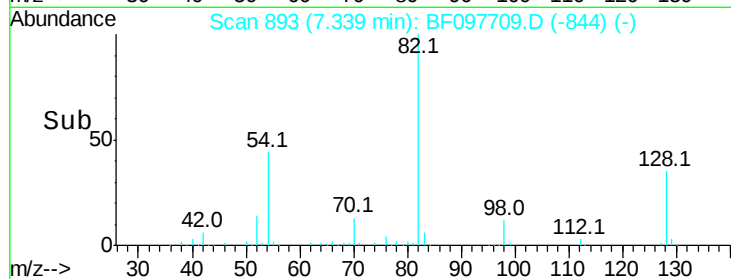
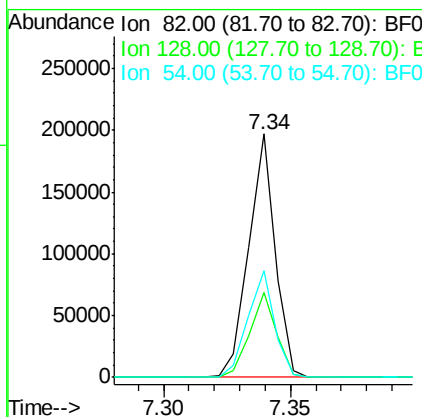
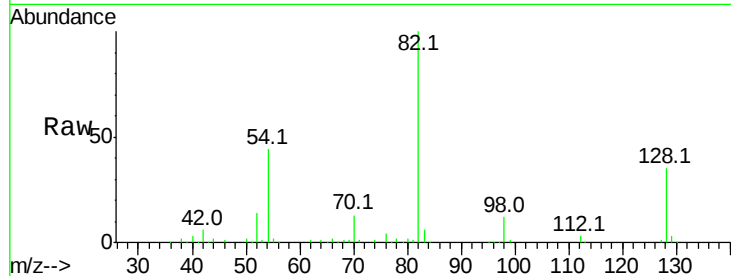
#23
 Nitrobenzene-d5
 Concen: 13.099 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF097709.D
 Acq: 15 Aug 2017 23:47

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-080917-C

Tot Ion:	82	Resp:	143251
Ion Ratio	Lower	Upper	
82	100		
128	34.8	34.0	51.0
54	43.8	42.2	63.2

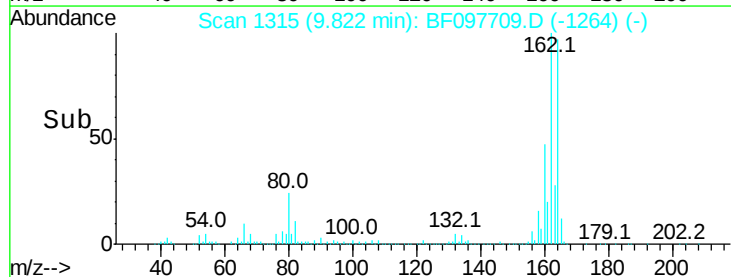
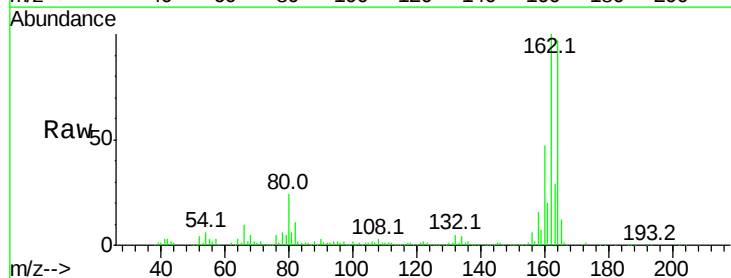
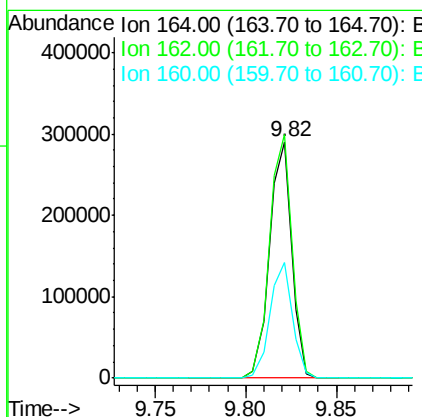
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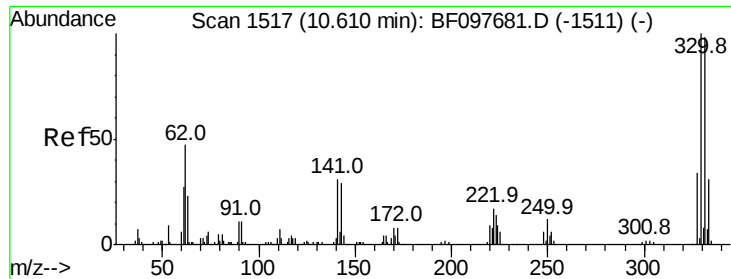
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: BF097709.D
 Acq: 15 Aug 2017 23:47

Tgt Ion:	164	Resp:	247430
Ion Ratio	Lower	Upper	
164	100		
162	103.1	82.6	123.8
160	48.8	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 15.345 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Instrument :

BNA_F

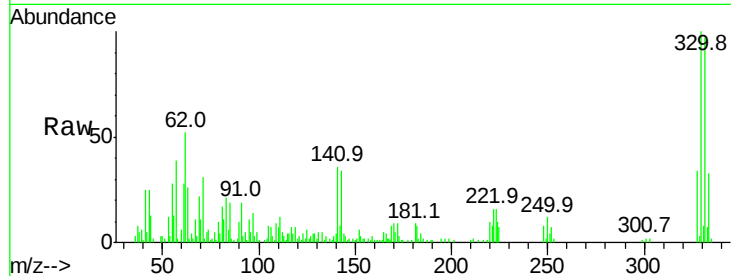
ClientSampleId :

NB-01-080917-C

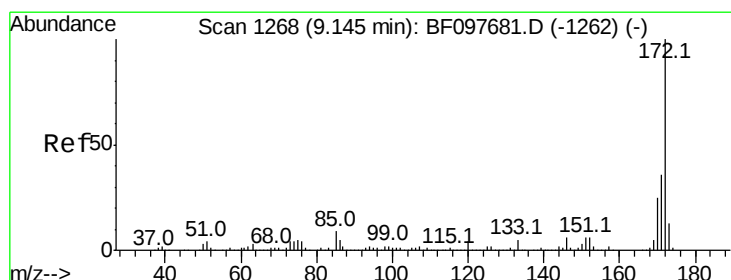
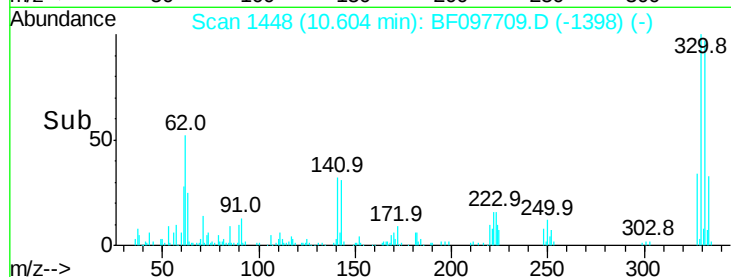
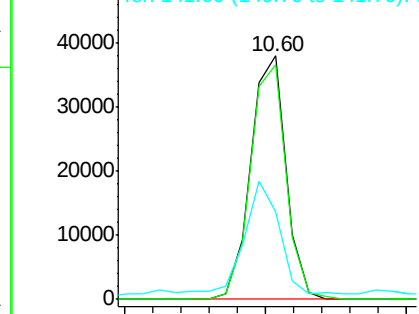
Tot Ion:	330	Resp:	32943
Ion Ratio	Lower	Upper	
330	100		
332	97.6	76.6	115.0
141	44.6	31.4	47.2

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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: 13.254 ng

RT: 9.14 min Scan# 1199

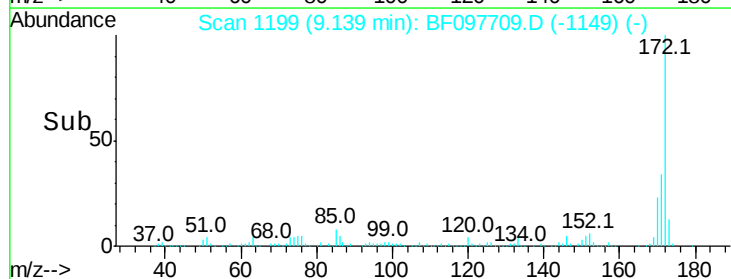
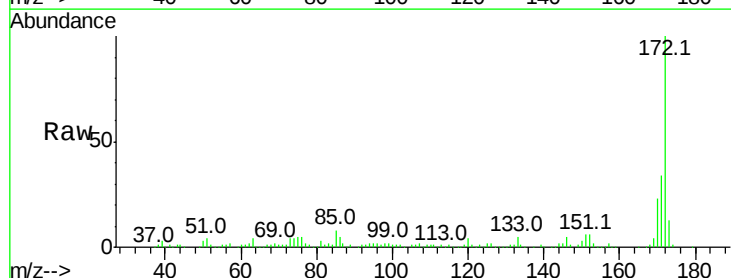
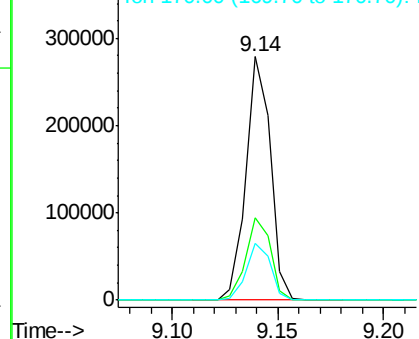
Delta R.T. -0.01 min

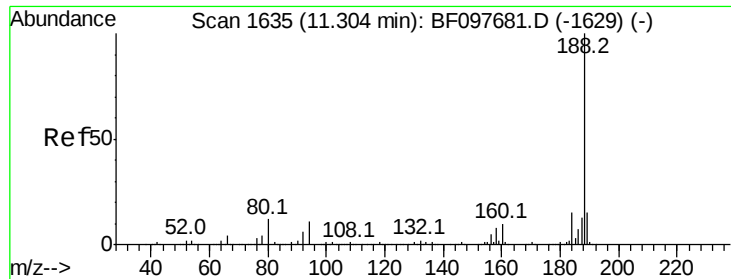
Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Tgt Ion:	172	Resp:	223217
Ion Ratio	Lower	Upper	
172	100		
171	34.0	29.6	44.4
170	23.4	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: 11.30 min Scan# 1567

Delta R.T. 0.00 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Instrument :

BNA_F

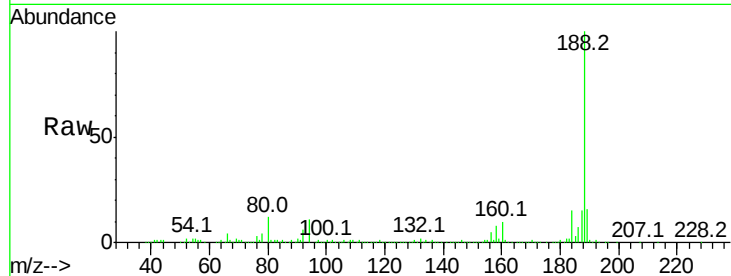
ClientSampleId :

NB-01-080917-C

Tot Ion:	188	Resp:	391437
Ion Ratio	Lower	Upper	
188	100		
94	11.1	9.4	14.2
80	11.7	10.2	15.2

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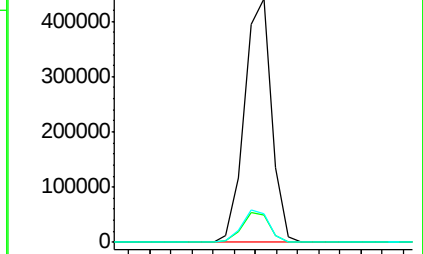
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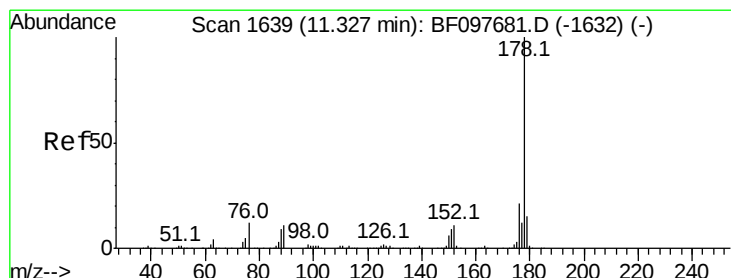
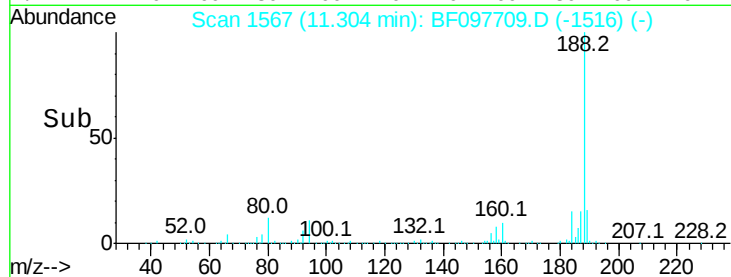
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 3.338 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF097709.D

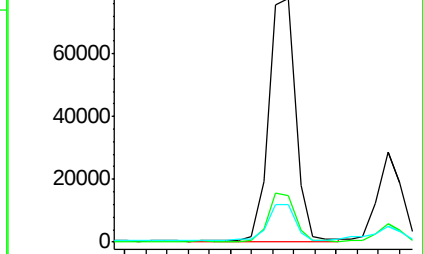
Acq: 15 Aug 2017 23:47

Tgt Ion:	178	Resp:	69635
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	15.3	12.6	19.0

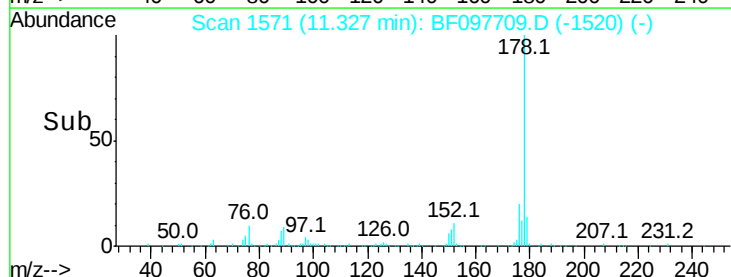
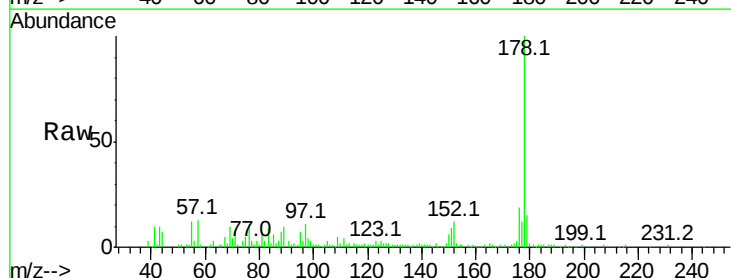
Abundance Ion 178.00 (177.70 to 178.70): E

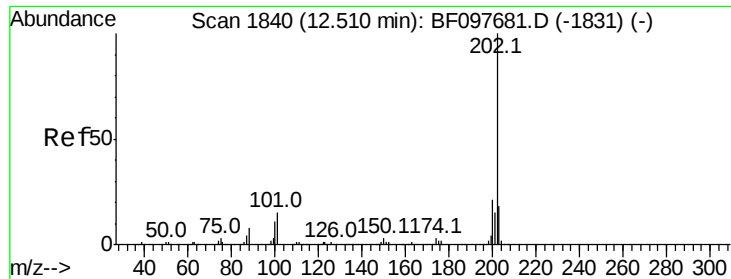
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 4.861 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Instrument :

BNA_F

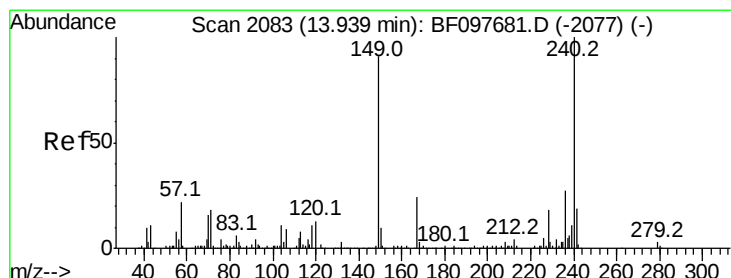
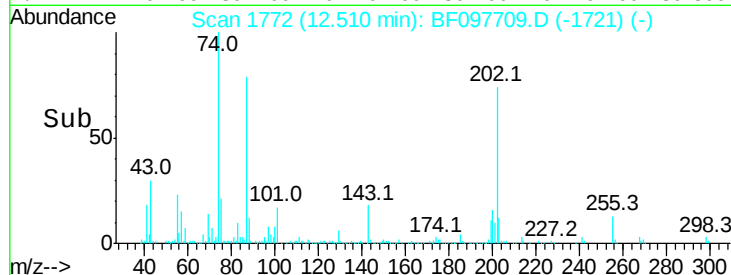
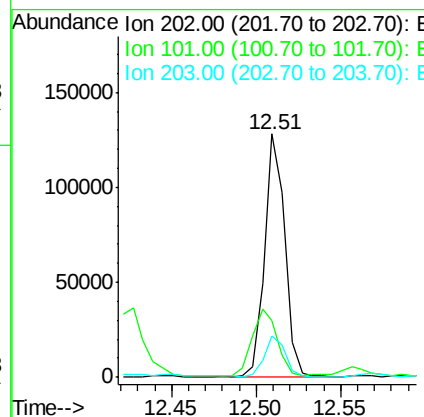
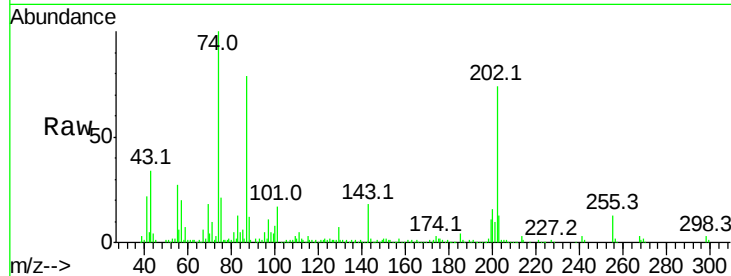
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Tot Ion:	202	Resp:	105837
Ion Ratio	Lower	Upper	
202	100		
101	23.5	0.0	33.2
203	17.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

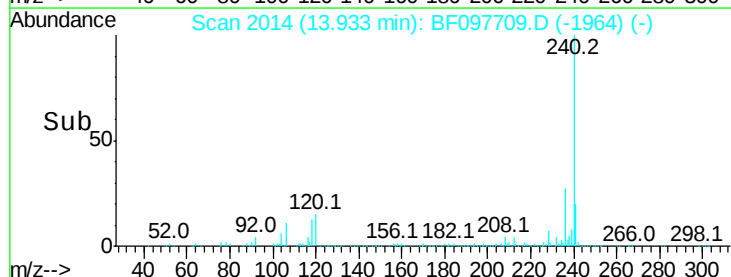
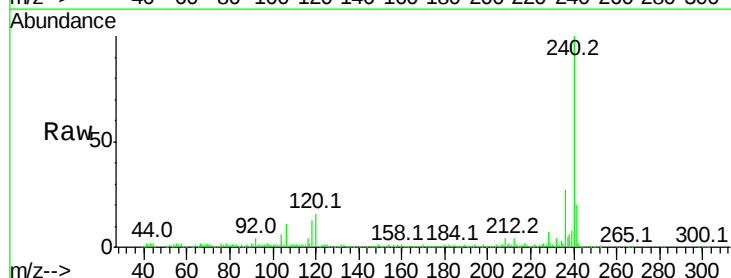
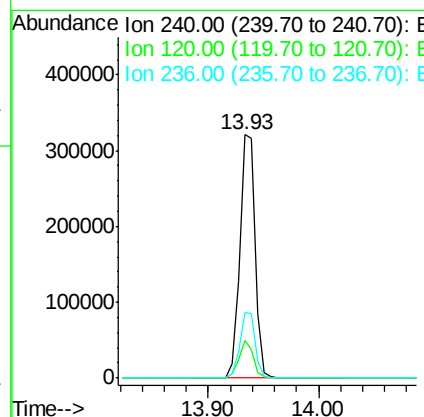
RT: 13.93 min Scan# 2014

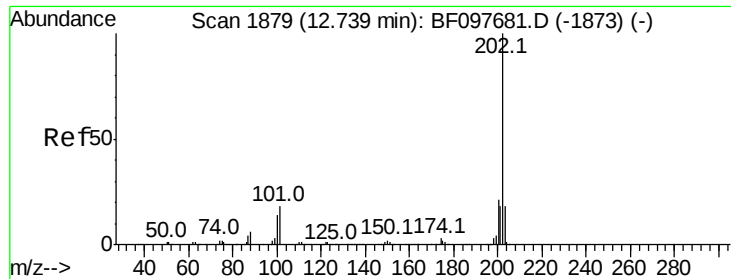
Delta R.T. -0.01 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Tgt Ion:	240	Resp:	313675
Ion Ratio	Lower	Upper	
240	100		
120	15.6	5.8	8.8#
236	26.9	20.5	30.7





#77

Pvrene

Concen: 4.140 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Instrument :

BNA_F

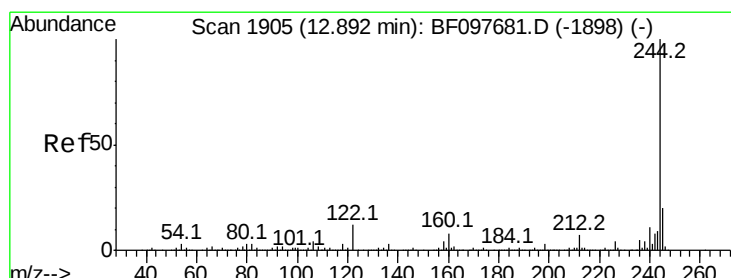
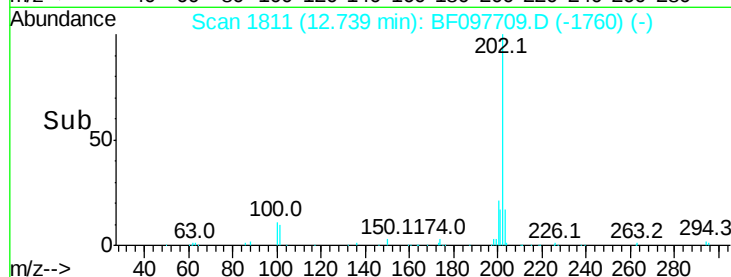
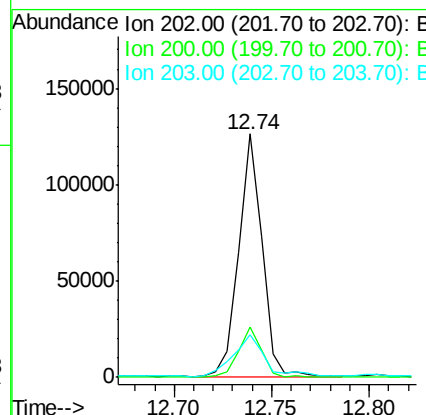
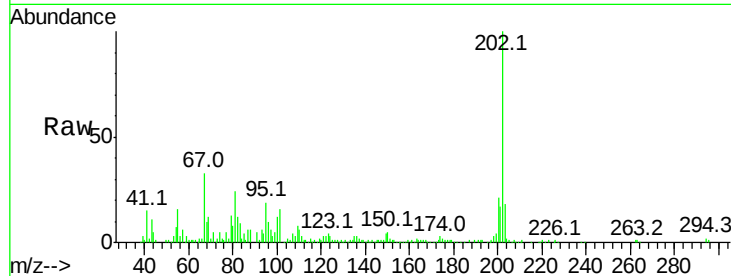
ClientSampleId :

NB-01-080917-C

Tot Ion:	202	Resp:	106207
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.6	26.4
203	17.6	14.4	21.6

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#78

Terphenyl-d14

Concen: 8.371 ng

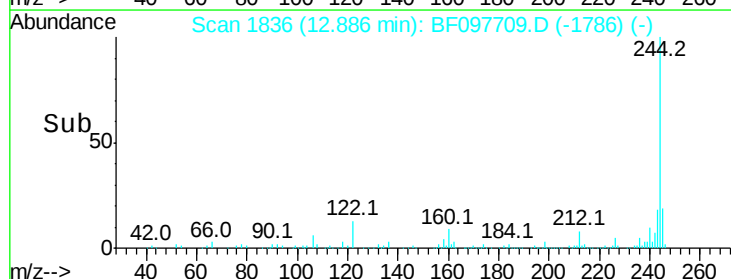
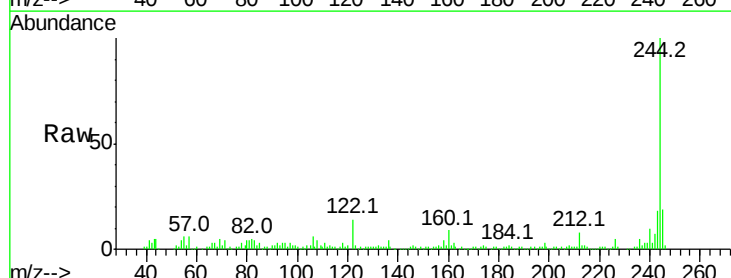
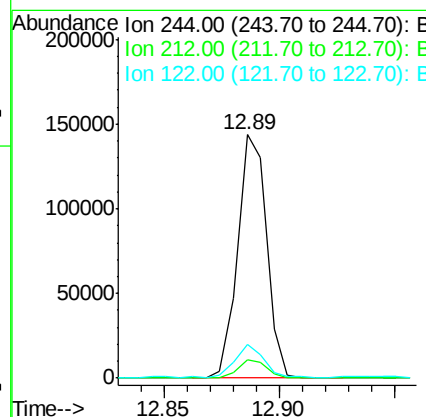
RT: 12.89 min Scan# 1836

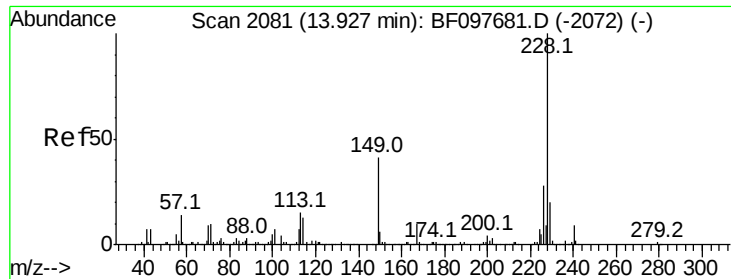
Delta R.T. -0.01 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Tgt Ion:	244	Resp:	125914
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.0	9.0
122	13.8	10.3	15.5





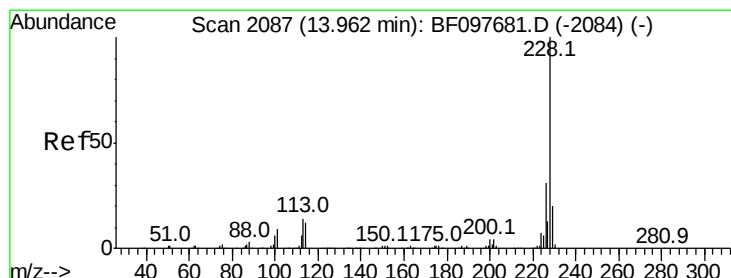
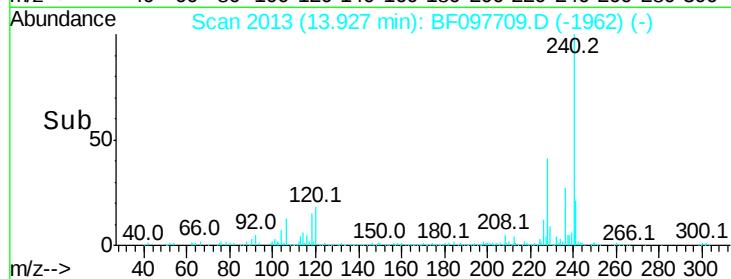
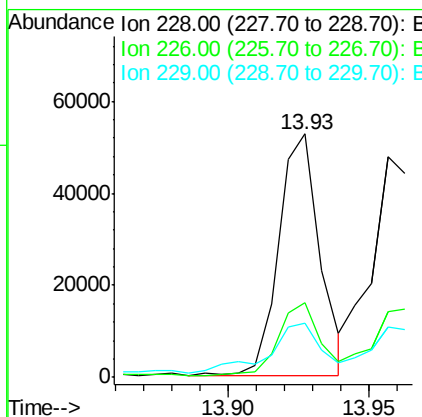
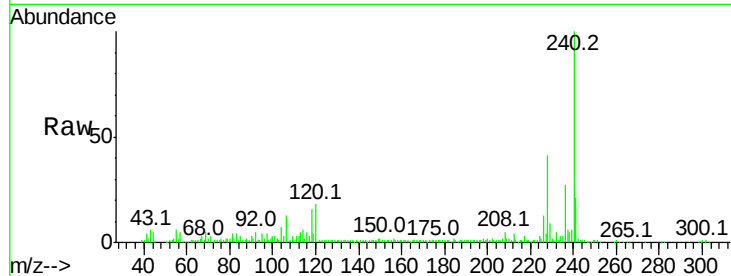
#80
Benzo(a)anthracene
Concen: 2.806 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF097709.D
Acq: 15 Aug 2017 23:47

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	22.2	16.3	24.5

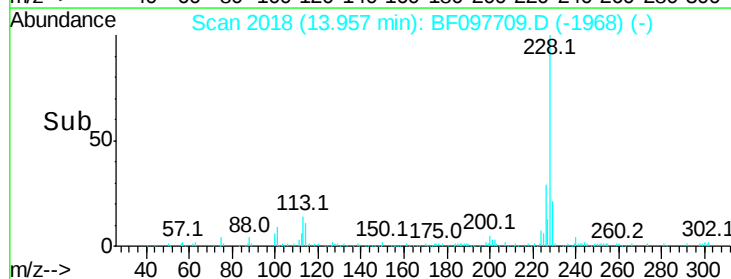
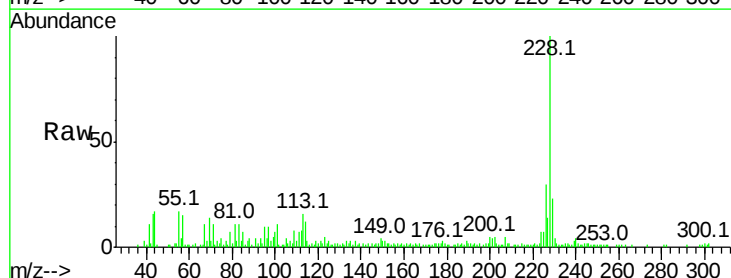
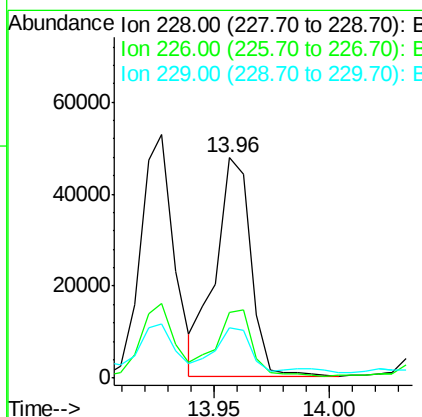
Manual Integrations
APPROVED

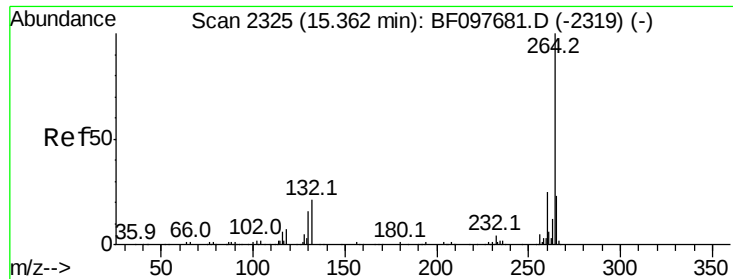
Sohil
8/16/2017 6:45:34 PM



#82
Chrysene
Concen: 2.694 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097709.D
Acq: 15 Aug 2017 23:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	22.8	15.8	23.6





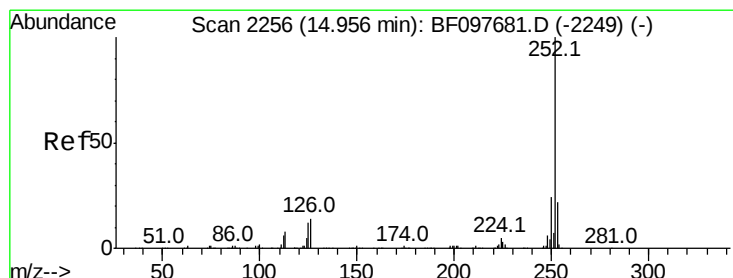
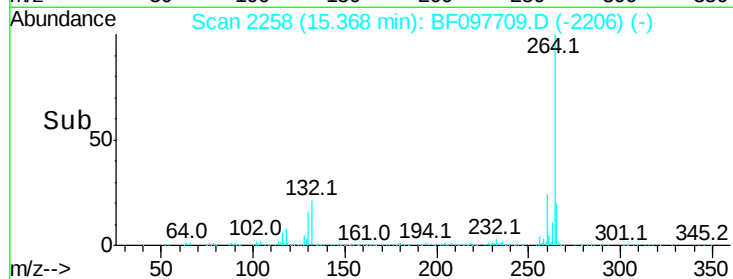
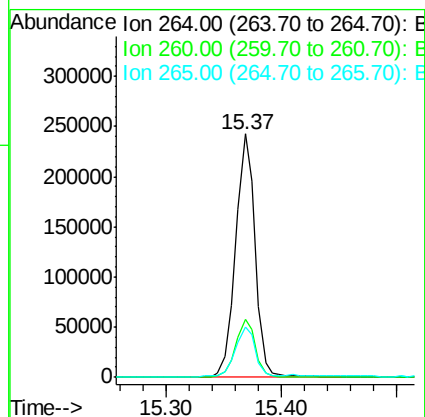
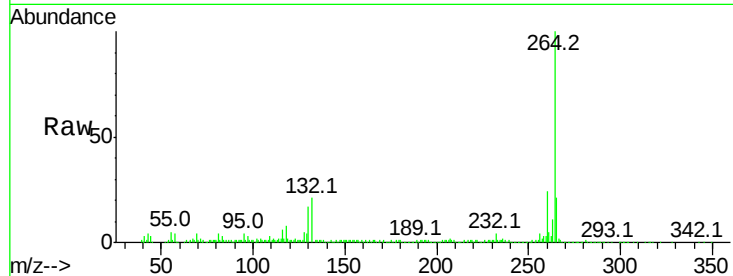
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF097709.D
Acq: 15 Aug 2017 23:47

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	20.6	17.2	25.8

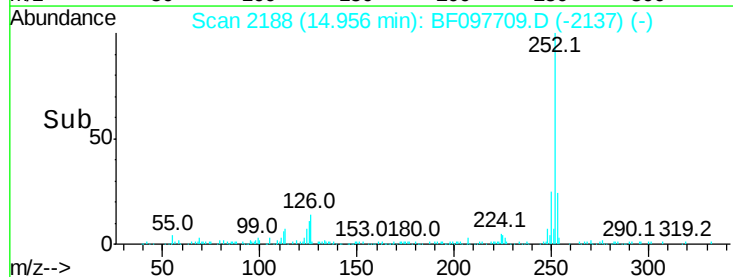
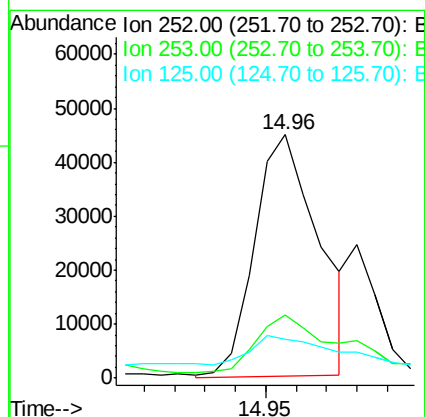
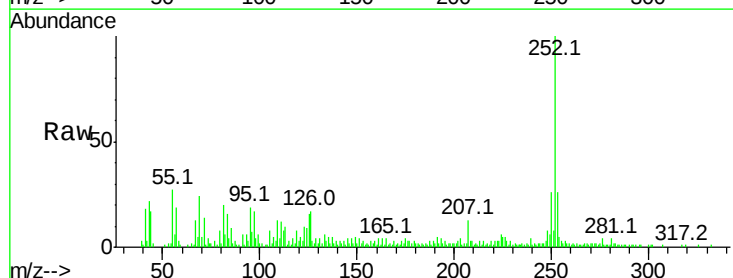
Manual Integrations
APPROVED

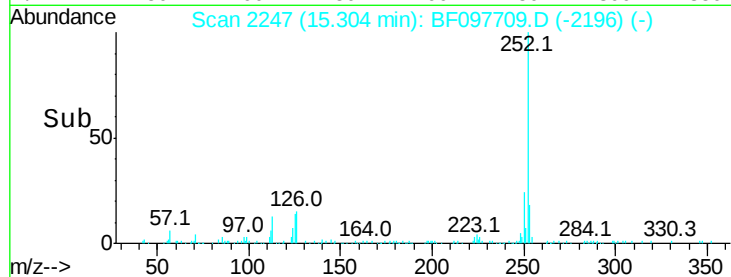
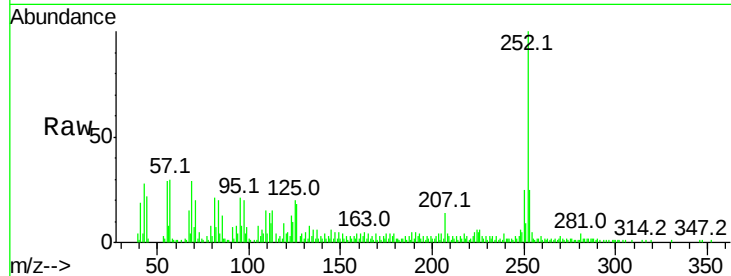
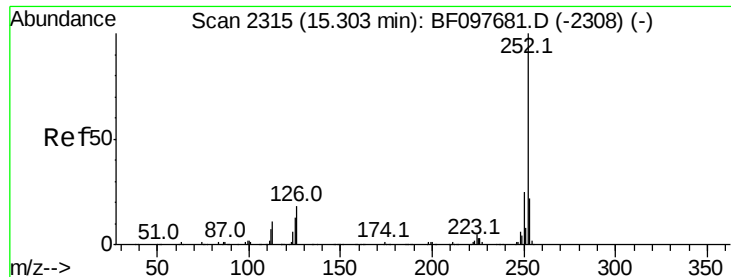
Sohil
8/16/2017 6:45:34 PM



#87
Benzo(b)fluoranthene
Concen: 3.641 ng m
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF097709.D
Acq: 15 Aug 2017 23:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.1	27.1
125	16.1	9.8	14.8#





#89

Benzo(a)pyrene

Concen: 2.763 ng

RT: 15.30 min Scan# 2247

Delta R.T. 0.00 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

NB-01-080917-C

Tot Ion:	252	Resp:	43865
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.5	26.3
125	19.7	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/16/2017 6:45:34 PM

