

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097334.D
 Acq On : 3 Aug 2017 23:24
 Operator : SJ/JU
 Sample : I4562-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-F

Manual Integrations
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Quant Time: Aug 04 02:08:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	116641	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	473002	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	193163	20.00	ng	-0.07
63) Phenanthrene-d10	10.94	188	271657	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	189416	20.00	ng	-0.06
86) Perylene-d12	14.90	264	129463	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	752568	97.26	ng	-0.06
7) Phenol-d6	6.12	99	938441	106.24	ng	-0.05
23) Nitrobenzene-d5	7.02	82	544723	67.56	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	138631	90.84	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	842231	74.00	ng	-0.06
78) Terphenyl-d14	12.52	244	465234	50.08	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.20	163	105371	7.184	ng	99
70) Phenanthrene	10.96	178	62903	4.322	ng	97
74) Fluoranthene	12.14	202	127848	8.966	ng	98
77) Pyrene	12.36	202	114059	7.355	ng	98
80) Benzo(a)anthracene	13.55	228	56731	4.629	ng	97
82) Chrysene	13.59	228	57064m	4.768	ng	
85) Indeno(1,2,3-cd)pyrene	16.11	276	23678	2.307	ng	99
87) Benzo(b)fluoranthene	14.56	252	64692m	8.313	ng	
88) Benzo(k)fluoranthene	14.57	252	20568m	2.774	ng	
89) Benzo(a)pyrene	14.86	252	42830	6.013	ng	# 86
91) Benzo(g,h,i)perylene	16.47	276	24161	3.945	ng	# 81

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

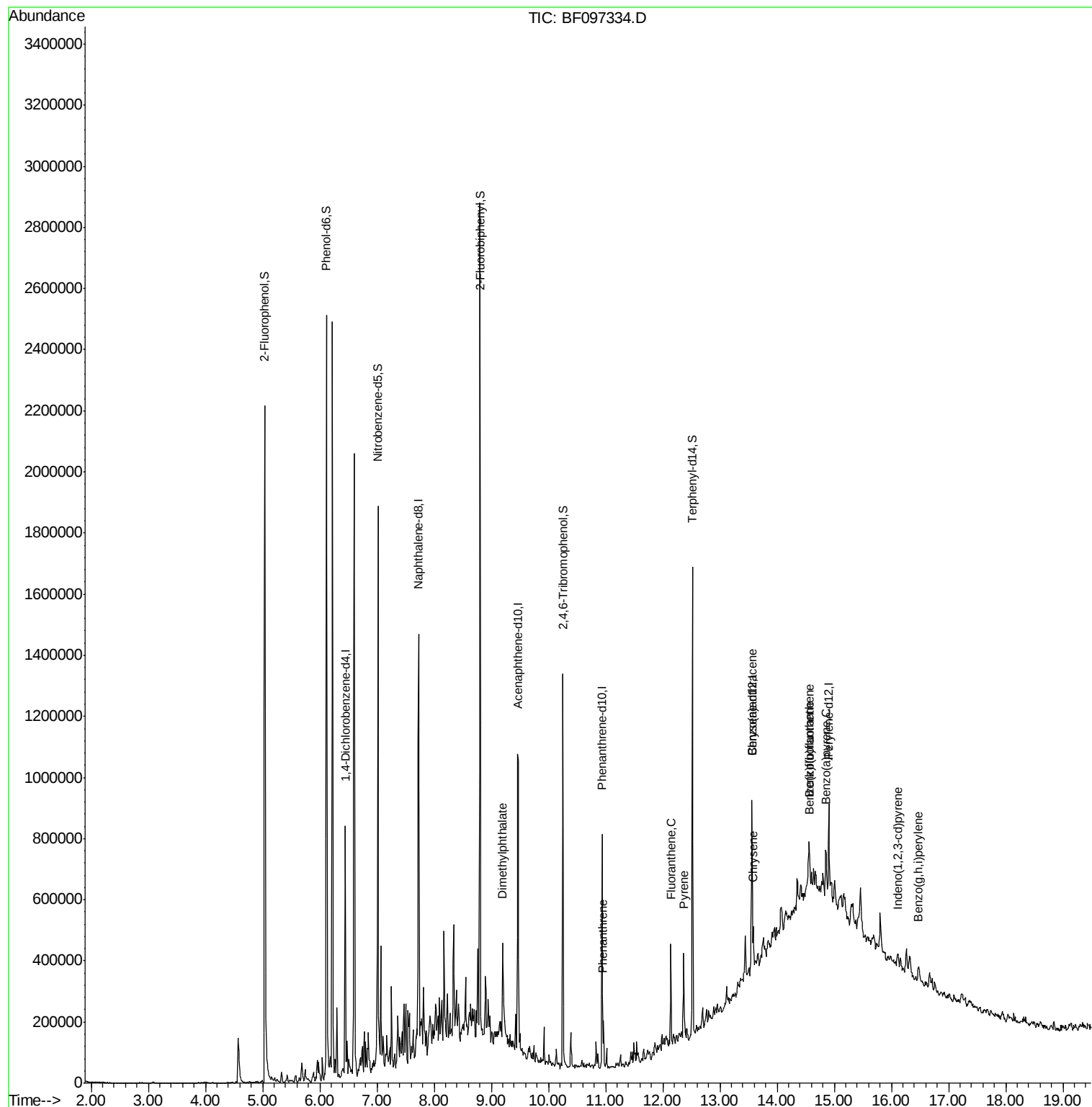
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
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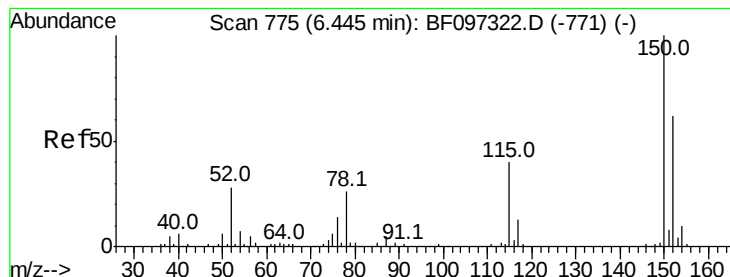
Instrument :
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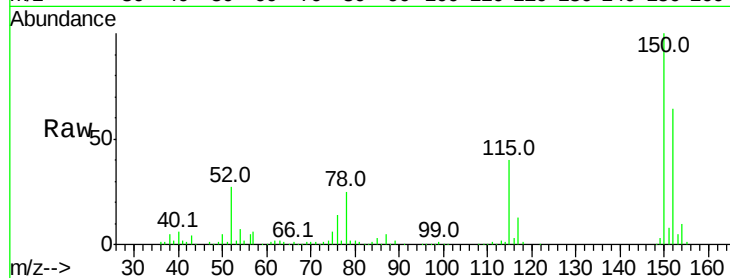
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.45 min Scan# 775
 Delta R.T. -0.05 min
 Lab File: BF097334.D
 Acq: 3 Aug 2017 23:24

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-F

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.2	189.2
115	63.5	52.2	78.2

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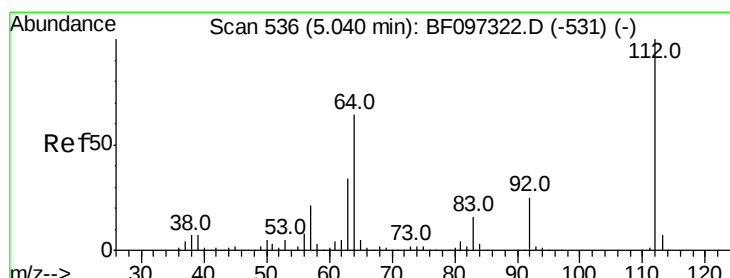
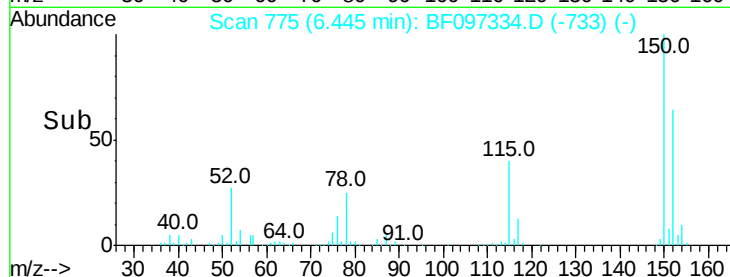
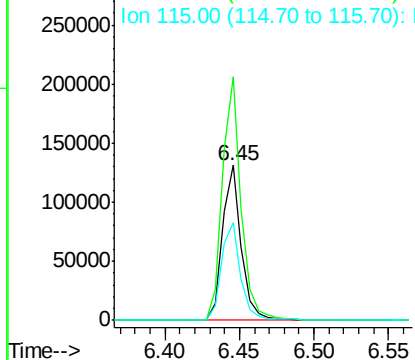


Abundance

Ion 152.00 (151.70 to 152.70): E

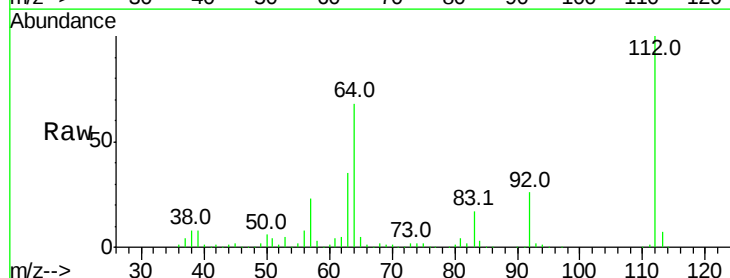
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 97.263 ng
 RT: 5.03 min Scan# 535
 Delta R.T. -0.06 min
 Lab File: BF097334.D
 Acq: 3 Aug 2017 23:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	46.0	69.0
63	35.0	23.4	35.0

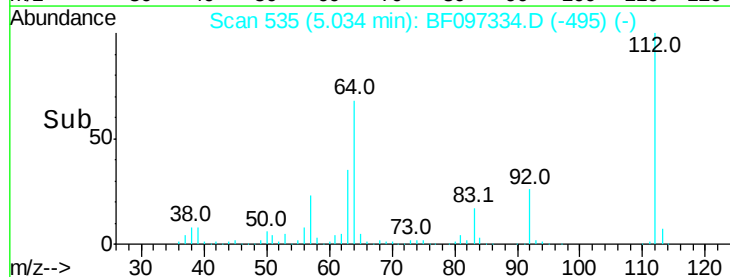
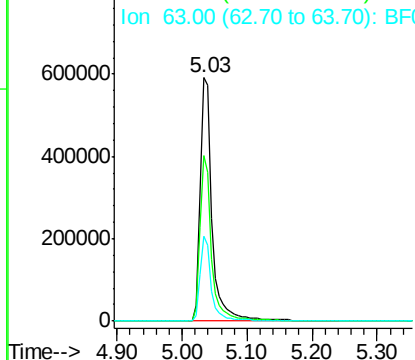


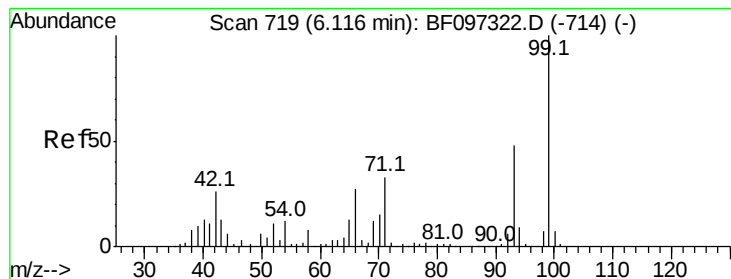
Abundance

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: 106.240 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097334.D

Acq: 3 Aug 2017 23:24

Instrument :

BNA_F

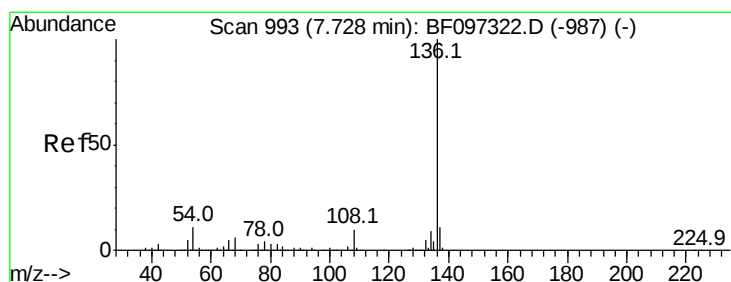
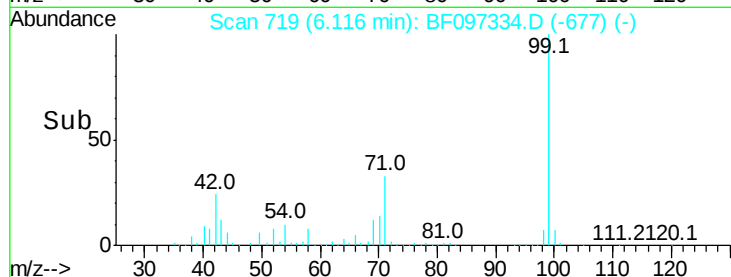
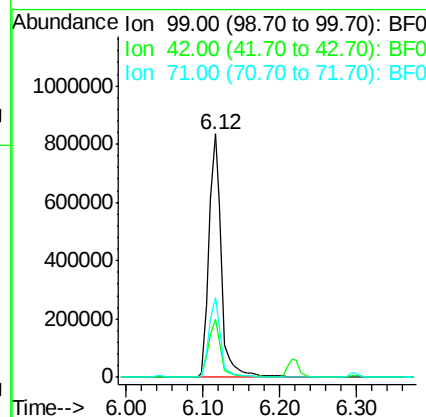
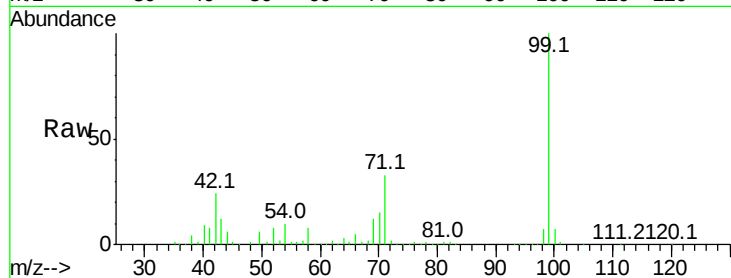
ClientSampleId :

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Tot Ion:	99	Resp:	938441
Ion Ratio	Lower	Upper	
99	100		
42	23.6	13.5	20.3#
71	32.6	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

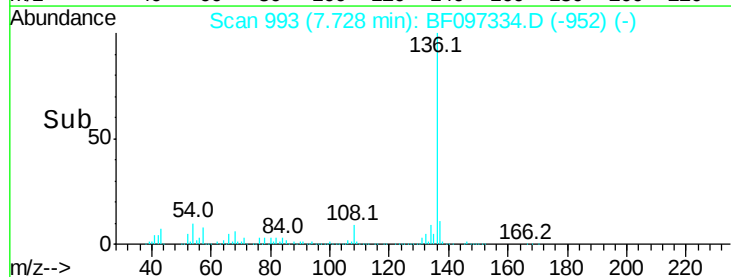
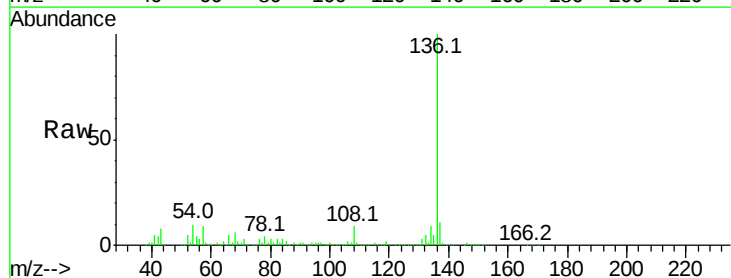
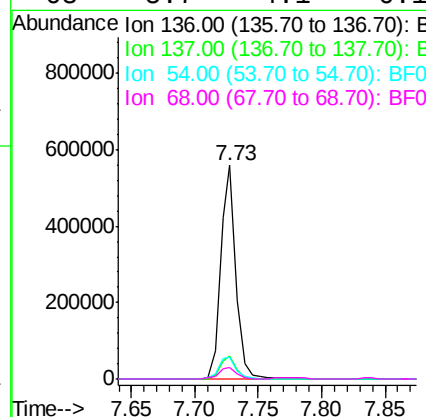
RT: 7.73 min Scan# 993

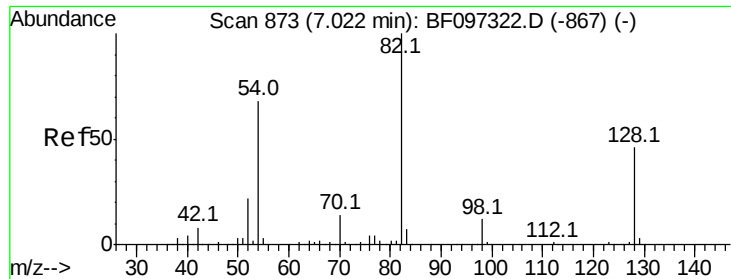
Delta R.T. -0.06 min

Lab File: BF097334.D

Acq: 3 Aug 2017 23:24

Tgt Ion:	136	Resp:	473002
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	10.3	4.9	7.3#
68	5.7	4.1	6.1





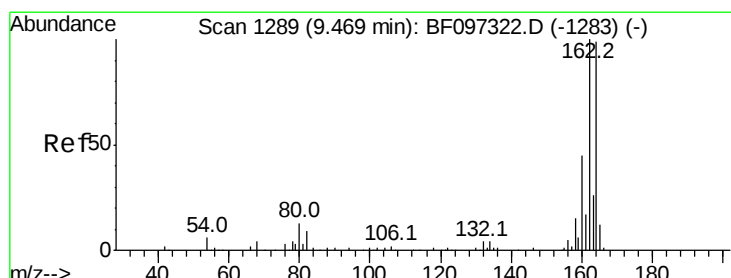
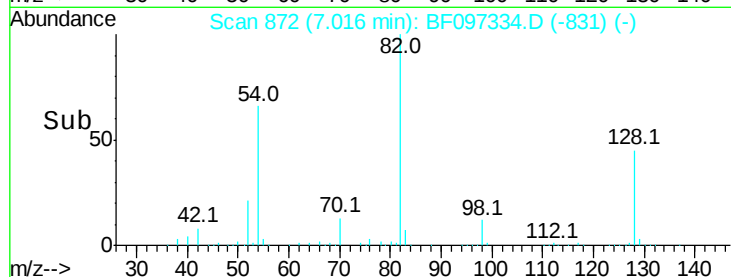
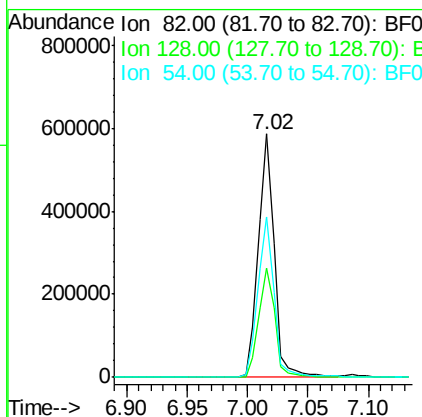
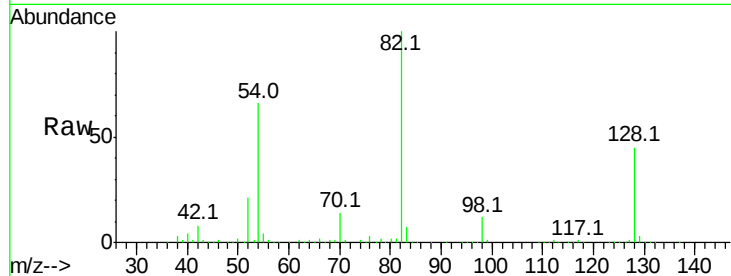
#23
Nitrobenzene-d5
Concen: 67.559 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.06 min
Lab File: BF097334.D
Acq: 3 Aug 2017 23:24

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-F

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	34.0	51.0	
54	66.0	42.2	63.2	

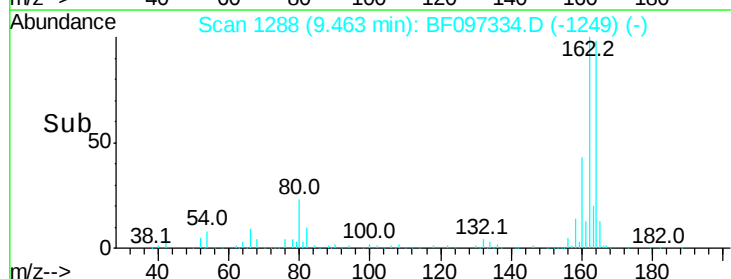
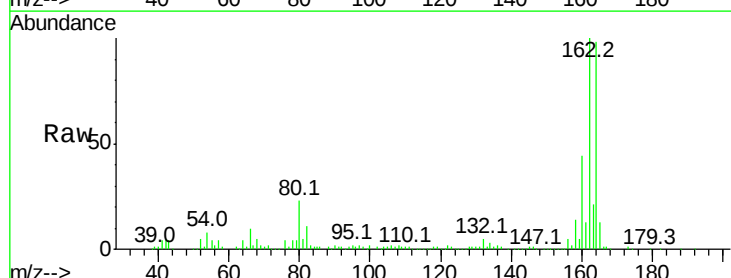
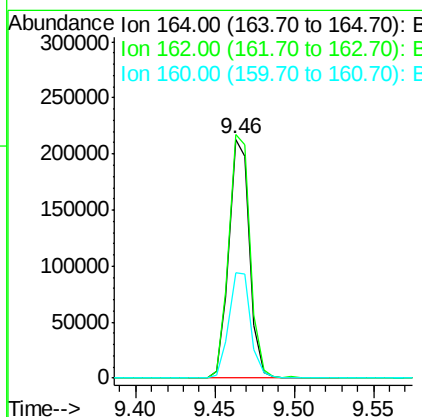
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.46 min Scan# 1288
Delta R.T. -0.07 min
Lab File: BF097334.D
Acq: 3 Aug 2017 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	82.6	123.8	
160	44.4	36.2	54.2	





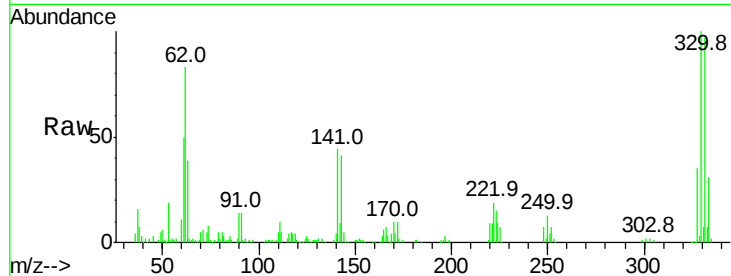
#41
 2,4,6-Tribromophenol
 Concen: 90.836 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.07 min
 Lab File: BF097334.D
 Acq: 3 Aug 2017 23:24

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-F

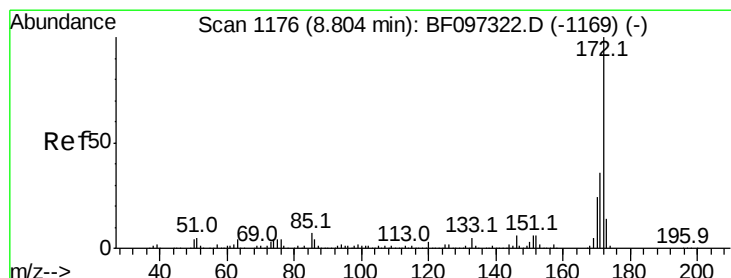
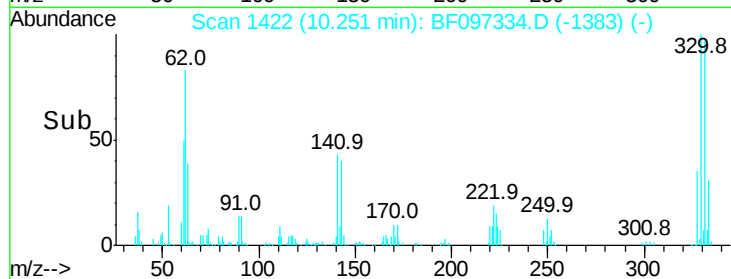
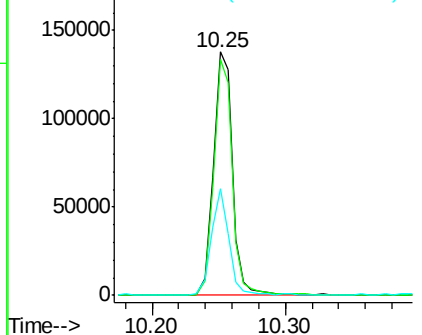
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	76.6	115.0	
141	39.3	31.4	47.2	

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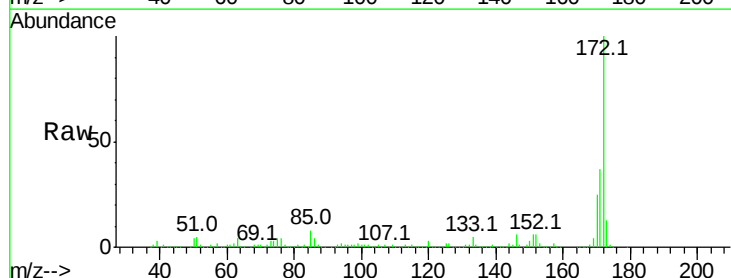


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

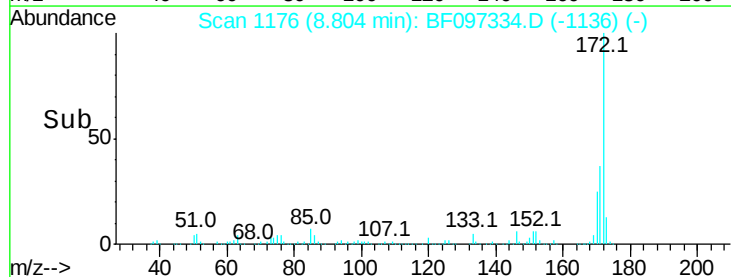
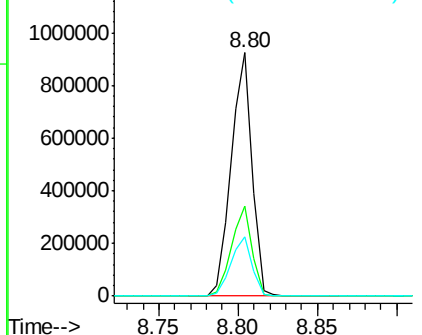


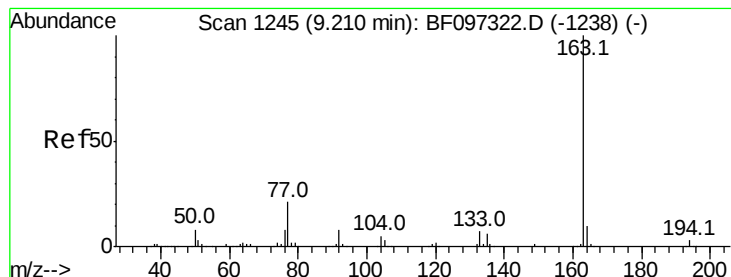
#44
 2-Fluorobiphenyl
 Concen: 73.997 ng
 RT: 8.80 min Scan# 1176
 Delta R.T. -0.06 min
 Lab File: BF097334.D
 Acq: 3 Aug 2017 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.8	29.6	44.4	
170	24.5	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: 7.184 ng

RT: 9.20 min Scan# 1243

Delta R.T. -0.08 min

Lab File: BF097334.D

Acq: 3 Aug 2017 23:24

Instrument :

BNA_F

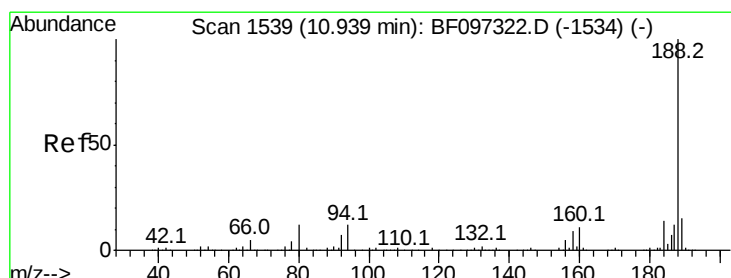
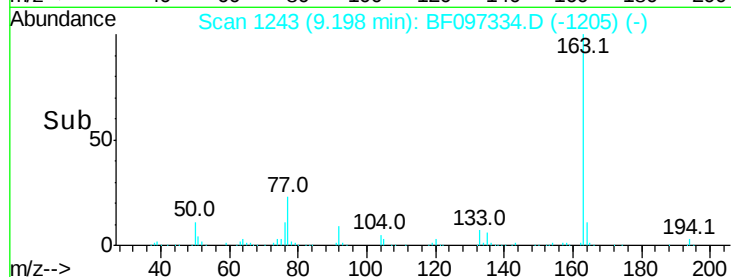
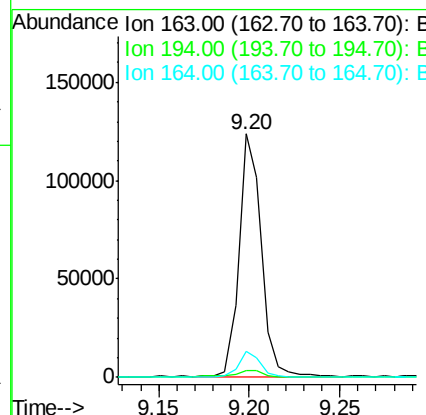
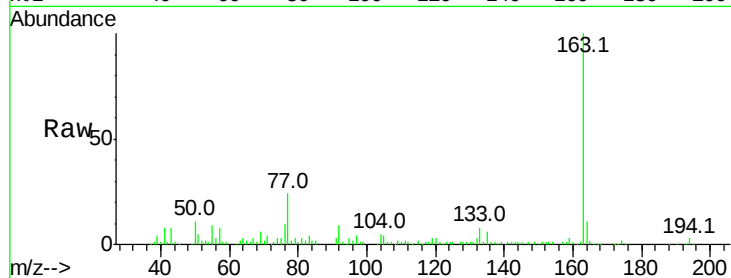
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
163	100	105371		
194	2.9		2.6	4.0
164	10.9		8.4	12.6

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#63

Phenanthrene-d10

Concen: 20.000 ng

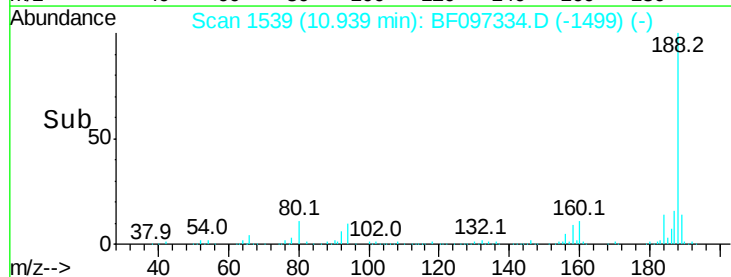
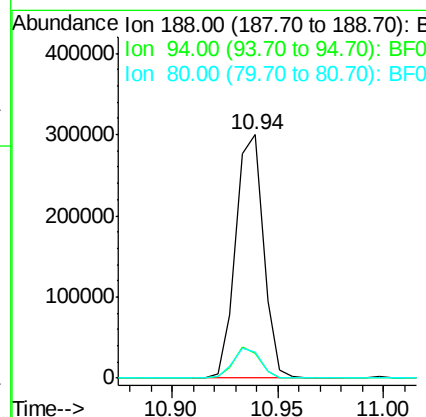
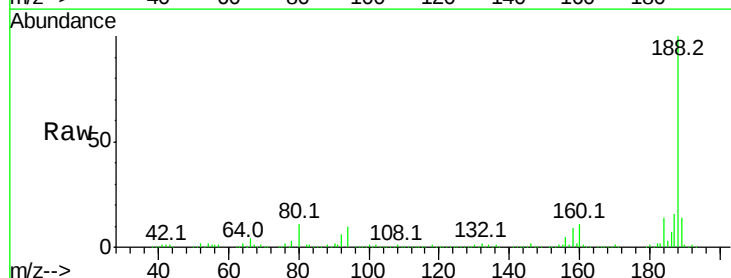
RT: 10.94 min Scan# 1539

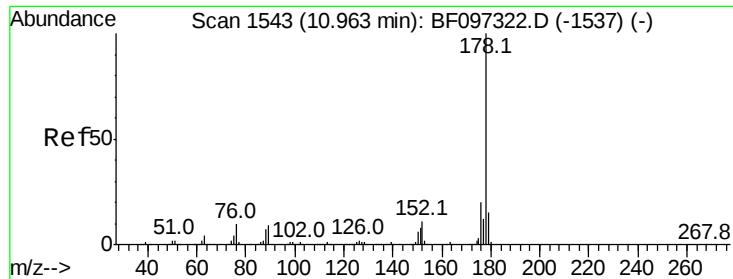
Delta R.T. -0.06 min

Lab File: BF097334.D

Acq: 3 Aug 2017 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	271657		
94	10.4		9.4	14.2
80	10.8		10.2	15.2





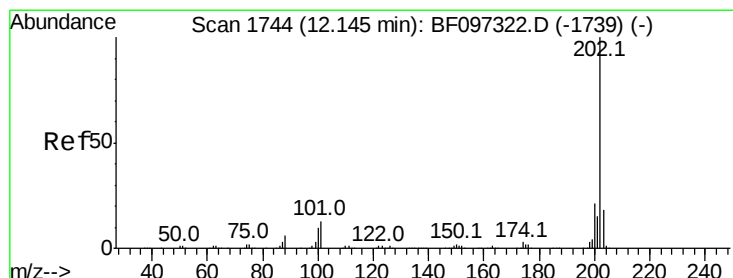
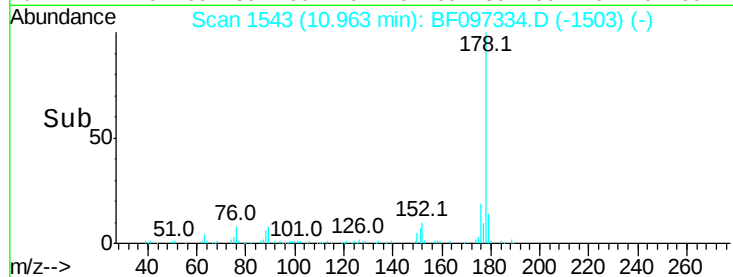
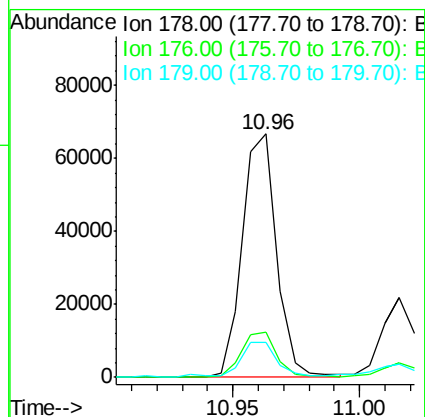
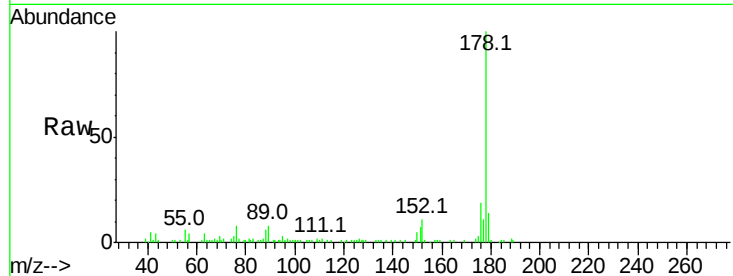
#70
Phenanthrene
Concen: 4.322 ng
RT: 10.96 min Scan# 1543
Delta R.T. -0.06 min
Lab File: BF097334.D
Acq: 3 Aug 2017 23:24

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-F

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	14.2	12.6	19.0

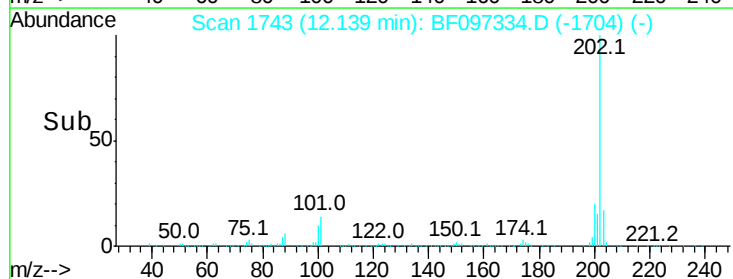
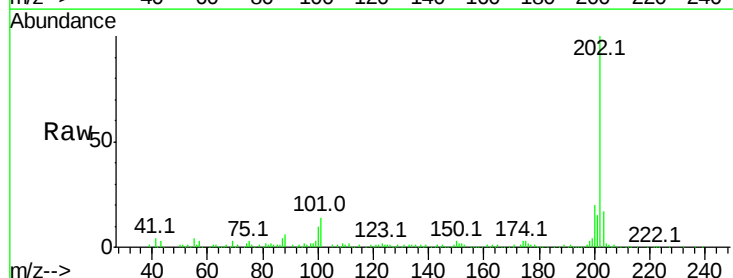
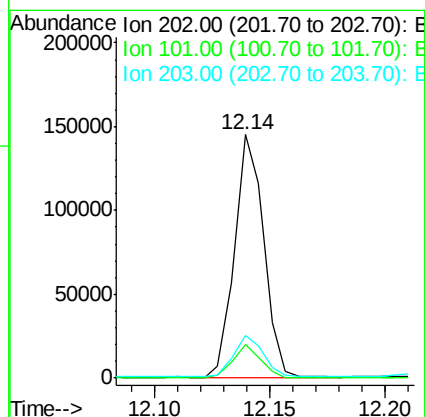
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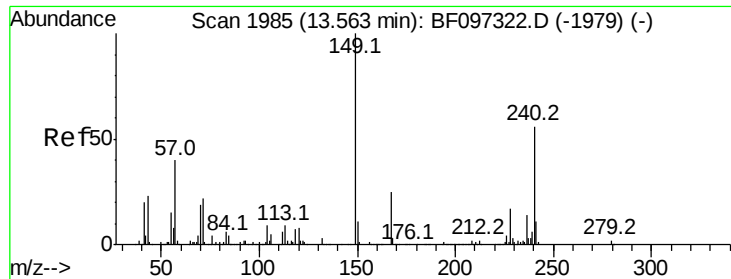
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#74
Fluoranthene
Concen: 8.966 ng
RT: 12.14 min Scan# 1743
Delta R.T. -0.07 min
Lab File: BF097334.D
Acq: 3 Aug 2017 23:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.56 min Scan# 1985

Delta R.T. -0.06 min

Lab File: BF097334.D

Acq: 3 Aug 2017 23:24

Instrument :

BNA_F

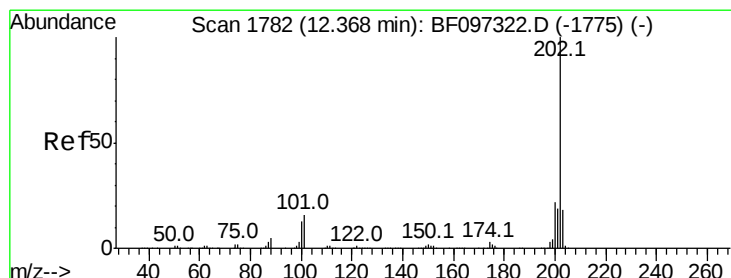
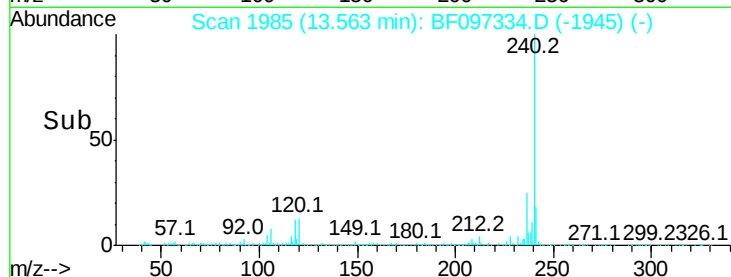
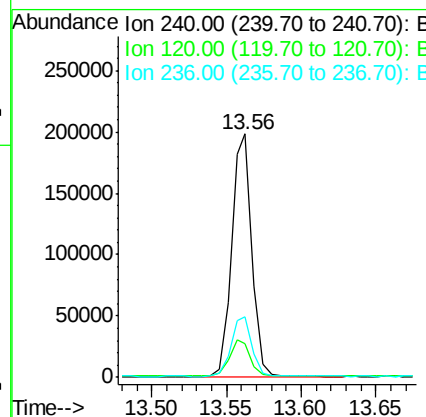
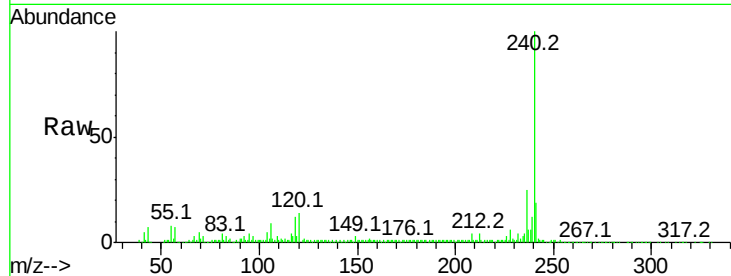
ClientSampled :

JC-02-080117-F

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.7	5.8	8.8#	
236	25.1	20.5	30.7	

Manual Integrations
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#77

Pyrene

Concen: 7.355 ng

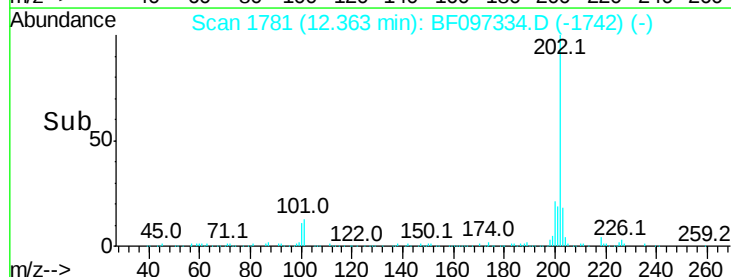
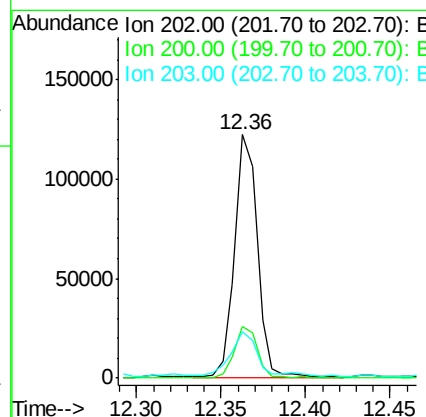
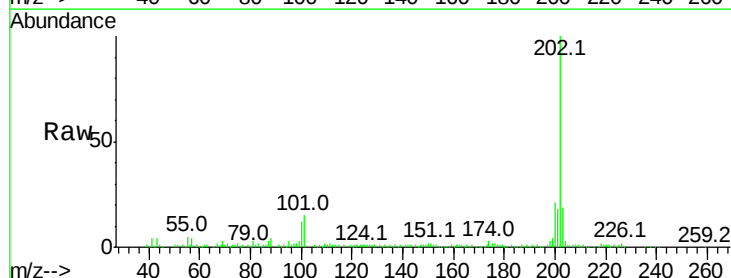
RT: 12.36 min Scan# 1781

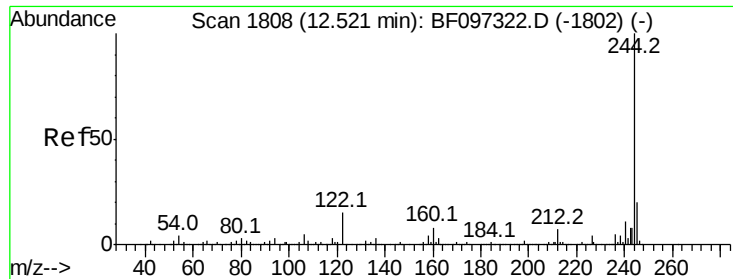
Delta R.T. -0.07 min

Lab File: BF097334.D

Acq: 3 Aug 2017 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.6	26.4	
203	19.2	14.4	21.6	





#78

Terphenyl-d14

Concen: 50.077 ng

RT: 12.52 min Scan# 1808

Delta R.T. -0.06 min

Lab File: BF097334.D

Acq: 3 Aug 2017 23:24

Instrument :

BNA_F

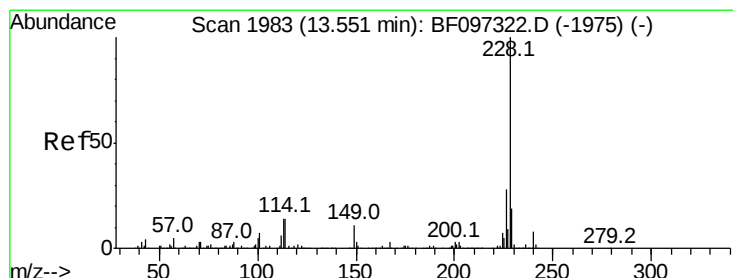
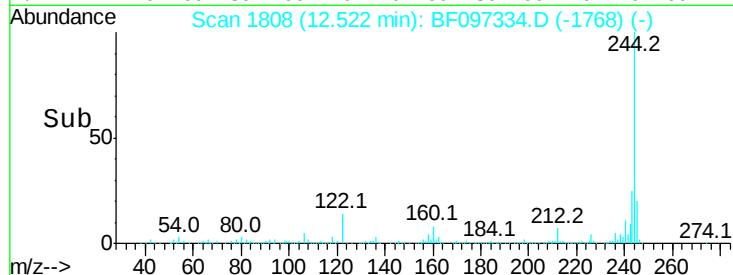
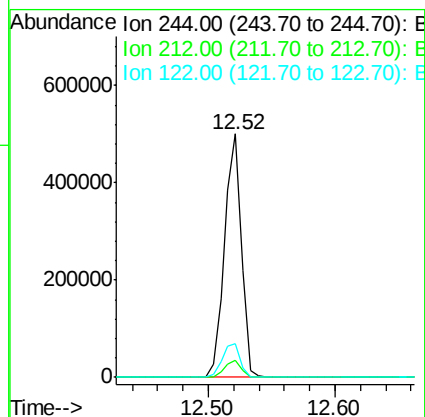
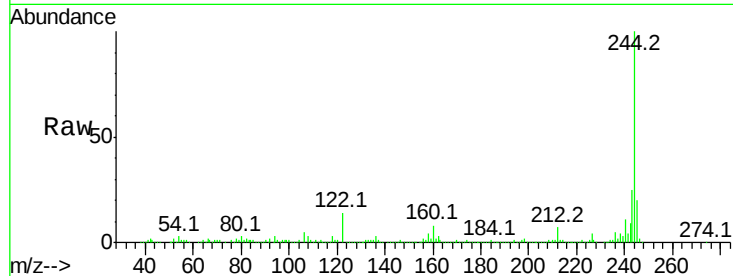
ClientSampleId :

JC-02-080117-F

Tot Ion:	244	Resp:	465234
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	14.1	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 4.629 ng

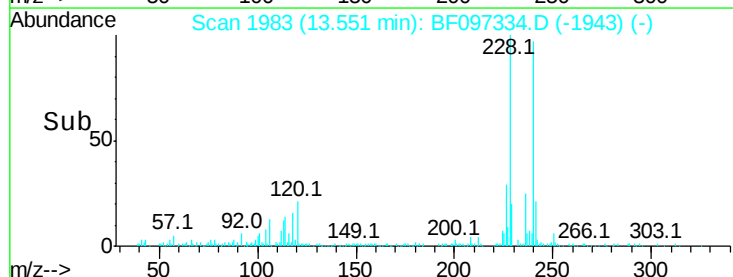
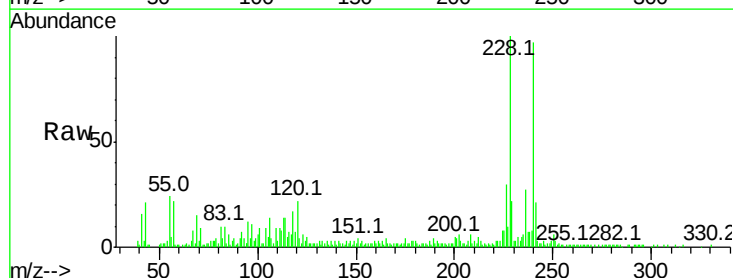
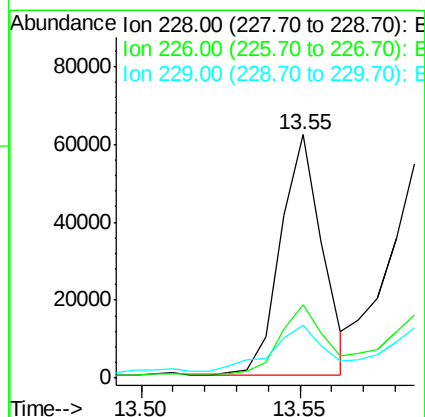
RT: 13.55 min Scan# 1983

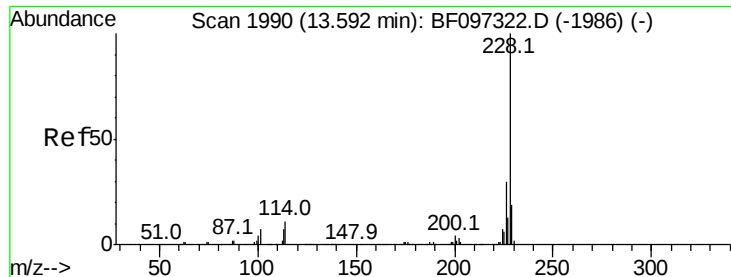
Delta R.T. -0.06 min

Lab File: BF097334.D

Acq: 3 Aug 2017 23:24

Tgt Ion:	228	Resp:	56731
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.6	33.8
229	21.8	16.3	24.5





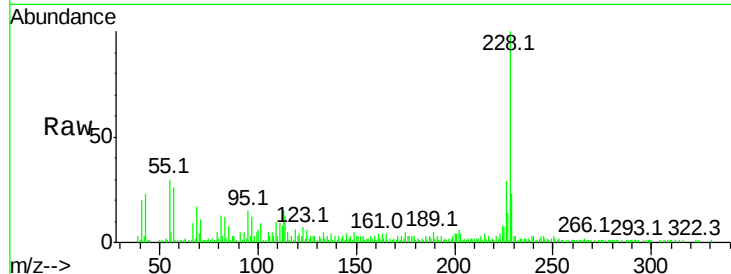
#82
Chrysene
Concen: 4.768 ng/ml
RT: 13.59 min Scan# 1989
Delta R.T. -0.07 min
Lab File: BF097334.D
Acq: 3 Aug 2017 23:24

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-F

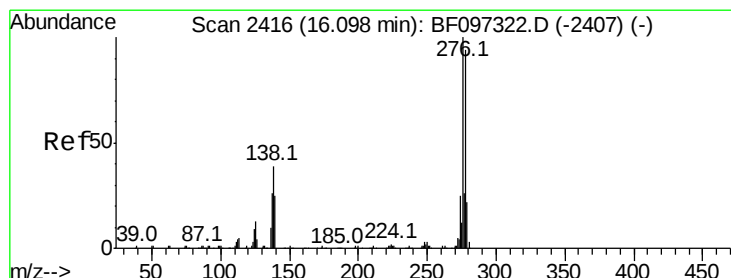
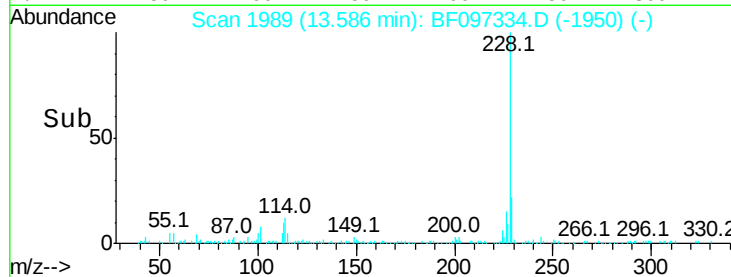
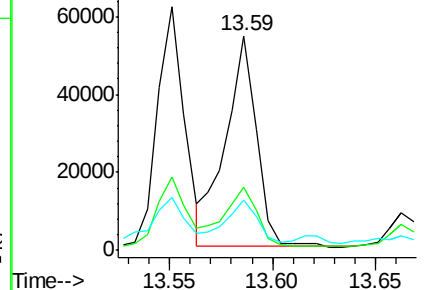
Tot Ion:	228	Resp:	57064
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.9	37.3
229	23.3	15.8	23.6

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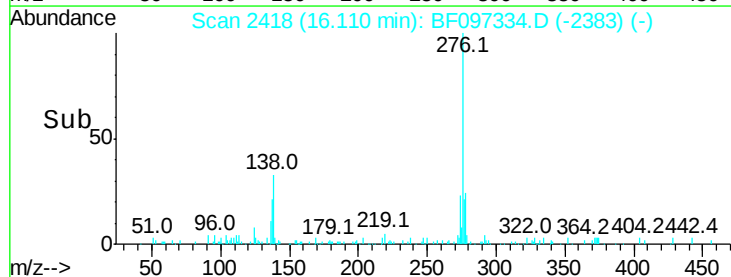
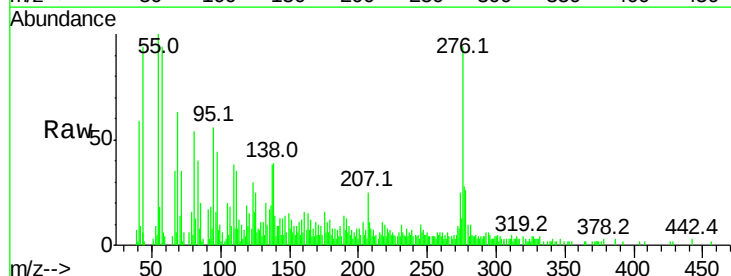
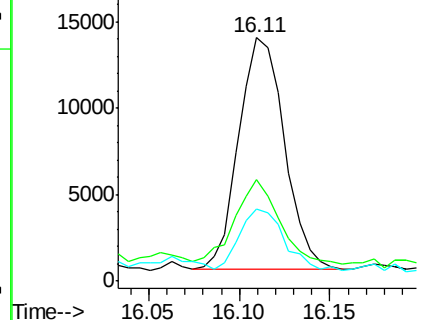
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

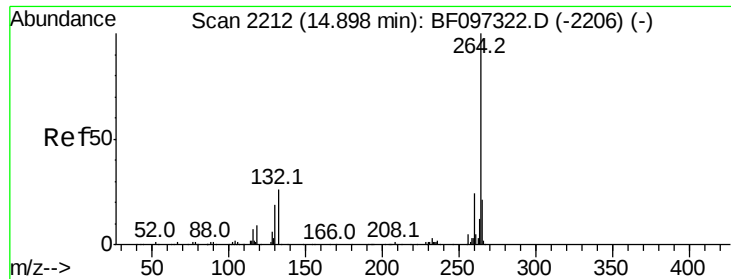


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.307 ng
RT: 16.11 min Scan# 2418
Delta R.T. -0.09 min
Lab File: BF097334.D
Acq: 3 Aug 2017 23:24

Tgt Ion:	276	Resp:	23678
Ion Ratio	Lower	Upper	
276	100		
138	35.8	27.8	41.6
277	25.3	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





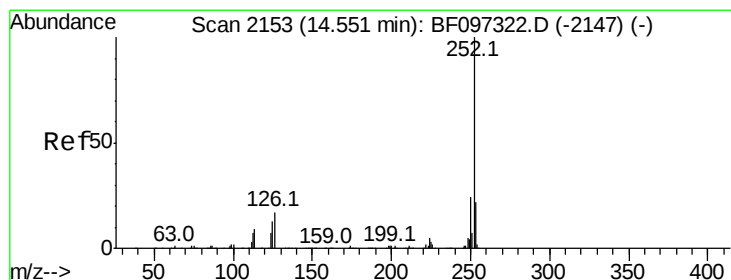
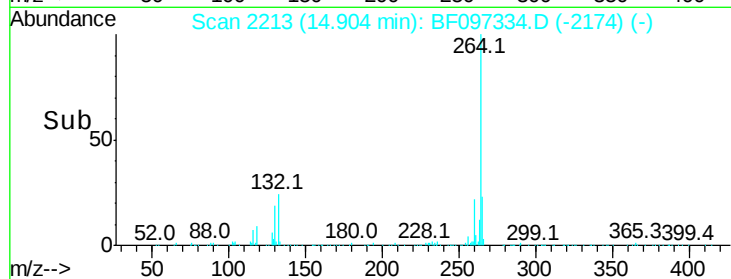
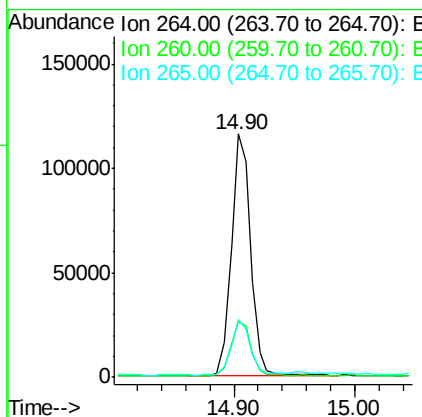
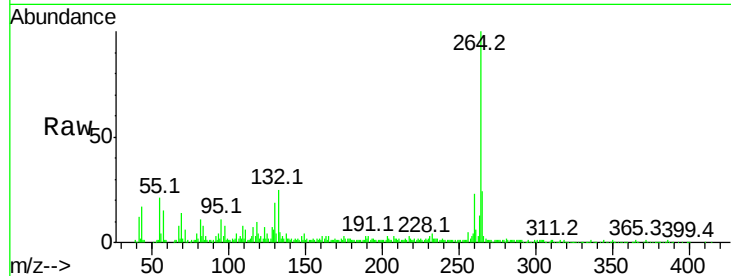
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.90 min Scan# 2213
Delta R.T. -0.07 min
Lab File: BF097334.D
Acq: 3 Aug 2017 23:24

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-F

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	24.0	17.2	25.8

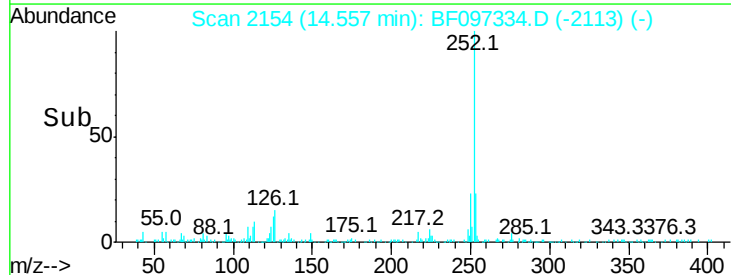
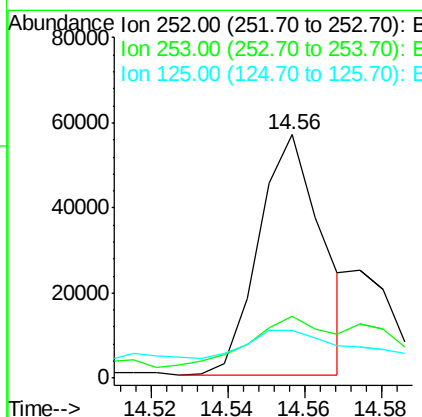
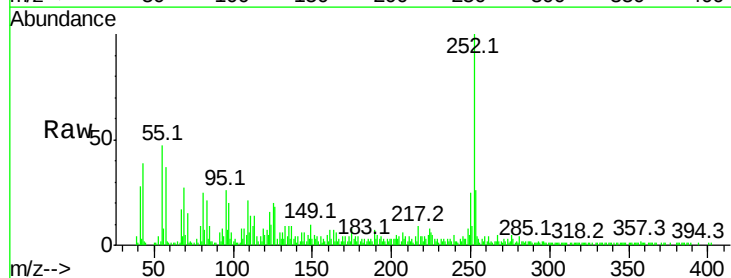
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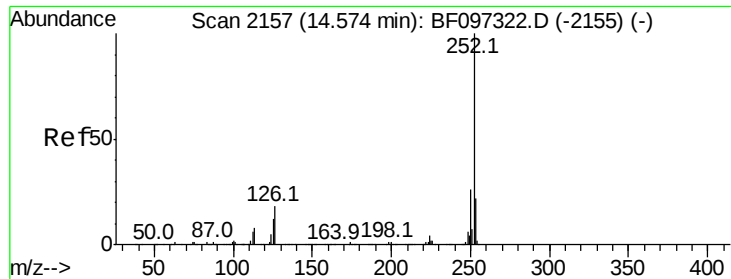
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#87
Benzo(b)fluoranthene
Concen: 8.313 ng m
RT: 14.56 min Scan# 2154
Delta R.T. -0.06 min
Lab File: BF097334.D
Acq: 3 Aug 2017 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.1	27.1
125	19.8	9.8	14.8#





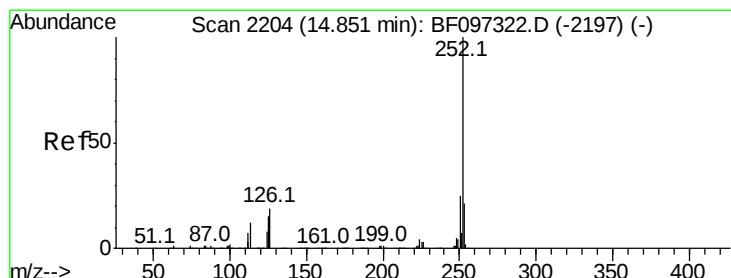
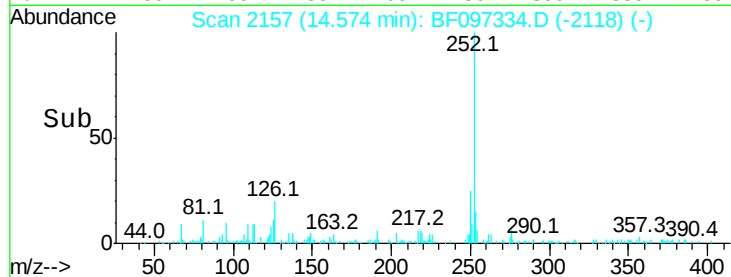
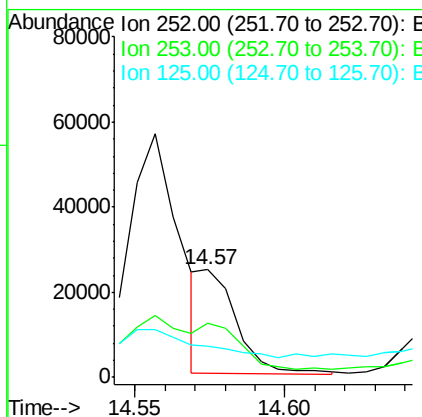
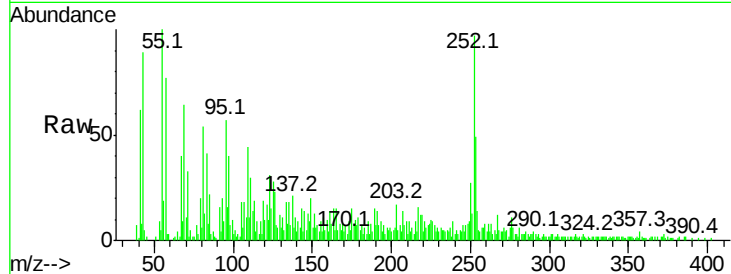
#88
Benzo(k)fluoranthene
Concen: 2.774 ng m
RT: 14.57 min Scan# 2157
Delta R.T. -0.07 min
Lab File: BF097334.D
Acq: 3 Aug 2017 23:24

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-F

Tot Ion	Ratio	Resp	Lower	Upper
252	100	20568		
253	50.1	18.4	27.6#	
125	29.1	13.1	19.7#	

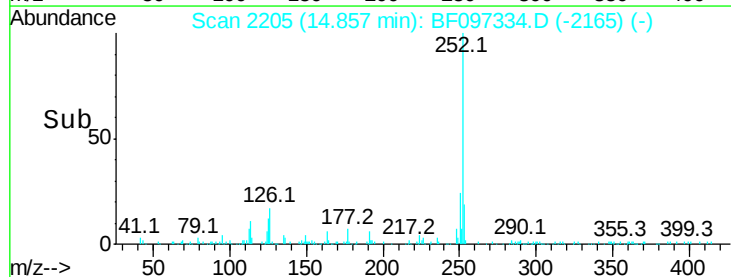
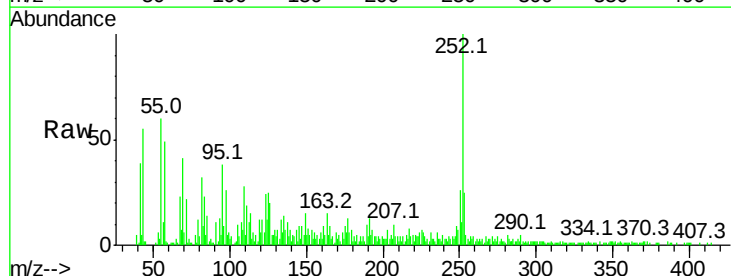
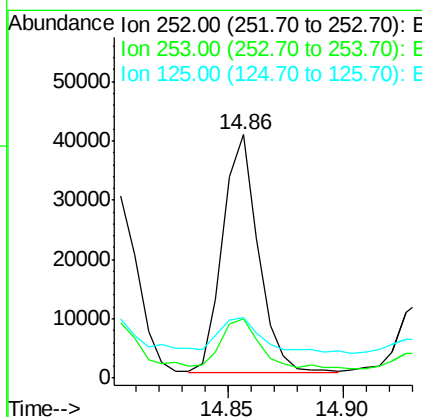
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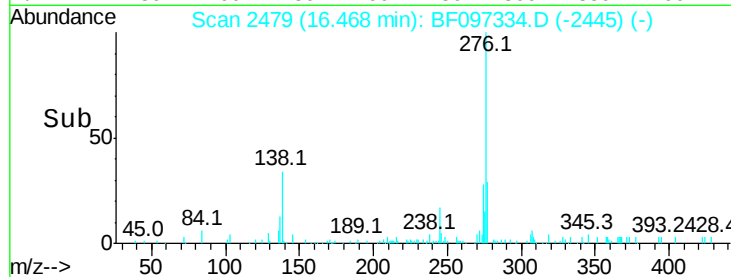
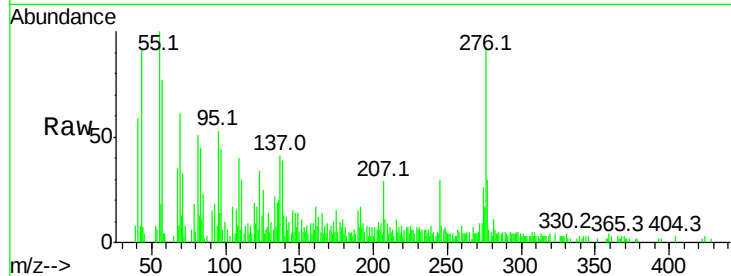
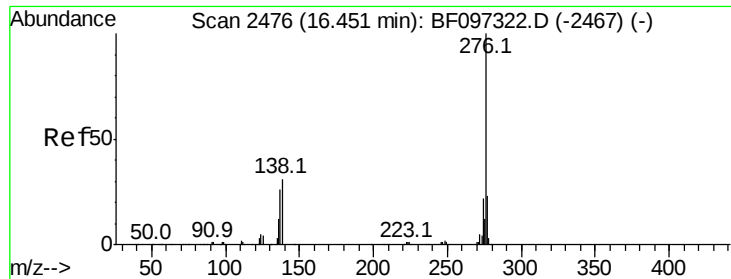
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#89
Benzo(a)pyrene
Concen: 6.013 ng
RT: 14.86 min Scan# 2205
Delta R.T. -0.06 min
Lab File: BF097334.D
Acq: 3 Aug 2017 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	42830		
253	24.6	17.5	26.3	
125	24.6	11.0	16.4#	





#91
Benzo(a,h,i)perylene
Concen: 3.945 ng
RT: 16.47 min Scan# 2479
Delta R.T. -0.10 min
Lab File: BF097334.D
Acq: 3 Aug 2017 23:24

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-F

Tot Ion	Ratio	Lower	Upper
276	100		
277	32.4	18.6	28.0#
138	42.5	25.4	38.0#

Manual Integrations
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