

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097333.D
 Acq On : 3 Aug 2017 22:56
 Operator : SJ/JU
 Sample : I4541-05 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11936

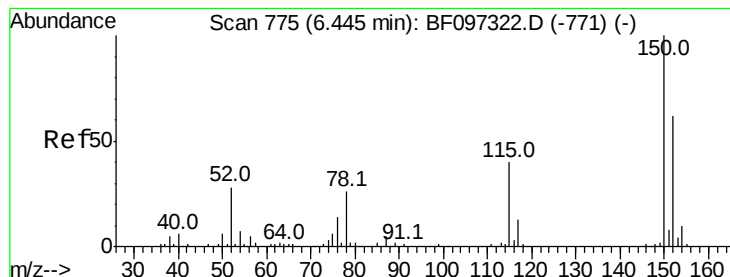
Manual Integrations
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 8/4/2017 5:30:26 PM

Quant Time: Aug 04 02:05:22 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	122193	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	454217	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	212026	20.00	ng	-0.07
63) Phenanthrene-d10	10.94	188	299642	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	220823	20.00	ng	-0.07
86) Perylene-d12	14.90	264	164599	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	419128	51.71	ng	-0.06
7) Phenol-d6	6.11	99	522014	56.41	ng	-0.06
23) Nitrobenzene-d5	7.01	82	275556	35.59	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	76253	45.52	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	466620	37.35	ng	-0.07
78) Terphenyl-d14	12.52	244	244140	22.54	ng	-0.07
Target Compounds						
49) Dimethylphthalate	9.20	163	72536	4.505	ng	98
70) Phenanthrene	10.96	178	169384	10.550	ng	97
71) Anthracene	11.02	178	44195	2.688	ng	98
73) Di-n-butylphthalate	11.52	149	58183	2.911	ng	99
74) Fluoranthene	12.14	202	256528	16.310	ng	98
77) Pyrene	12.36	202	238903	13.215	ng	100
80) Benzo(a)anthracene	13.55	228	127590m	8.930	ng	
82) Chrysene	13.59	228	128321	9.197	ng	97
85) Indeno(1,2,3-cd)pyrene	16.10	276	64014	5.351	ng	95
87) Benzo(b)fluoranthene	14.55	252	152368m	15.399	ng	
88) Benzo(k)fluoranthene	14.57	252	52044m	5.520	ng	
89) Benzo(a)pyrene	14.85	252	109064	12.044	ng	96
90) Dibenzo(a,h)anthracene	16.10	278	15410m	2.075	ng	
91) Benzo(a,h,i)perylene	16.46	276	63829	8.196	ng	96

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



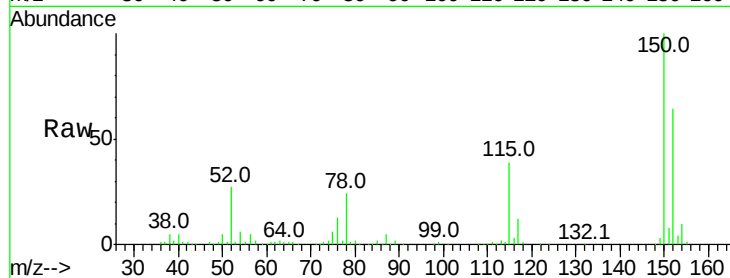
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.45 min Scan# 775
 Delta R.T. -0.05 min
 Lab File: BF097333.D
 Acq: 3 Aug 2017 22:56

Instrument :
 BNA_F
 ClientSampled :
 72-11936

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.2	189.2
115	61.0	52.2	78.2

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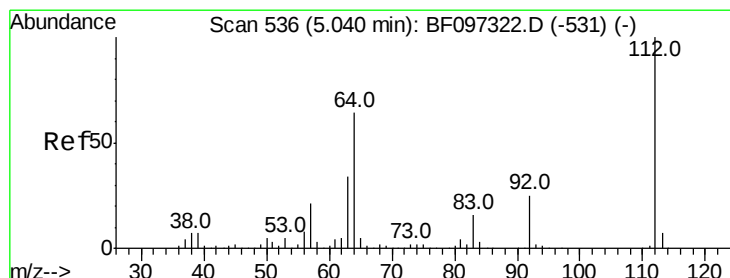
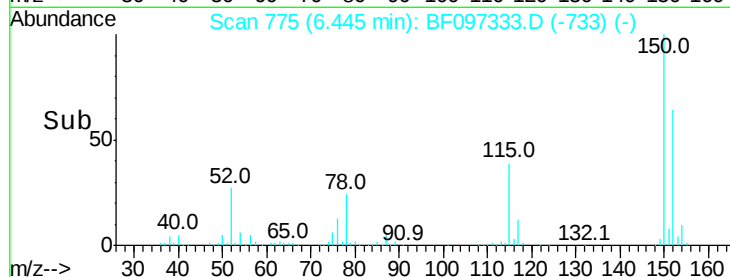
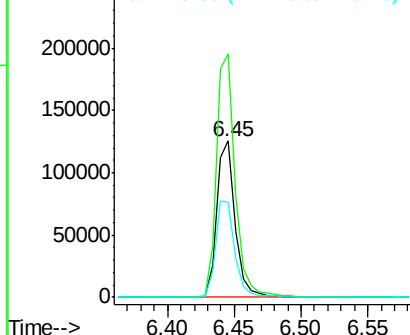


Abundance

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: 51.708 ng
 RT: 5.03 min Scan# 535
 Delta R.T. -0.06 min
 Lab File: BF097333.D
 Acq: 3 Aug 2017 22:56

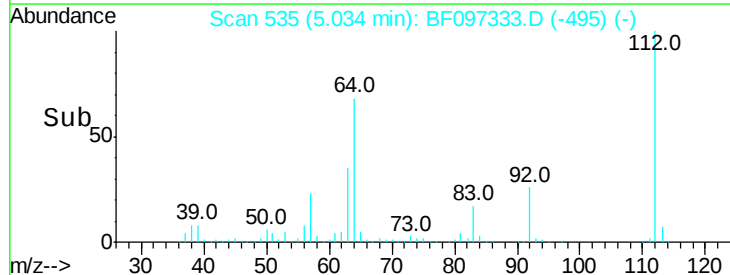
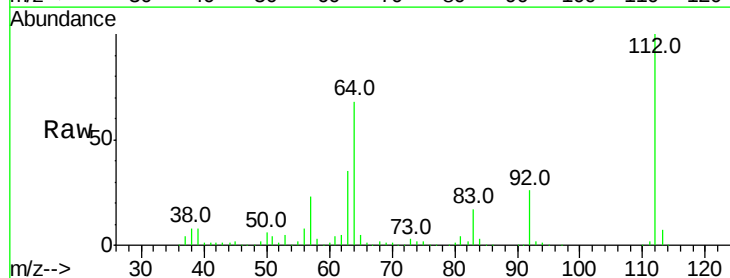
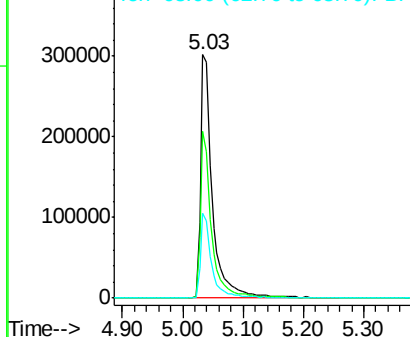
Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	46.0	69.0
63	35.0	23.4	35.0

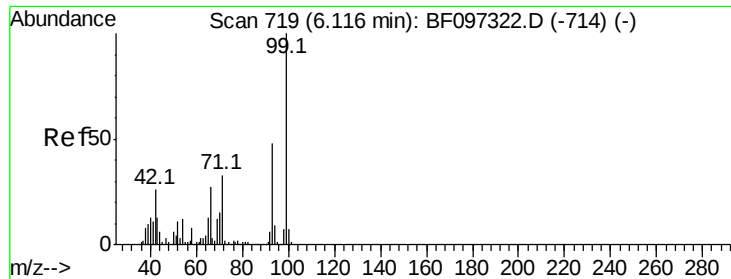
Abundance

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: 56.412 ng

RT: 6.11 min Scan# 718

Delta R.T. -0.06 min

Lab File: BF097333.D

Acq: 3 Aug 2017 22:56

Instrument :

BNA_F

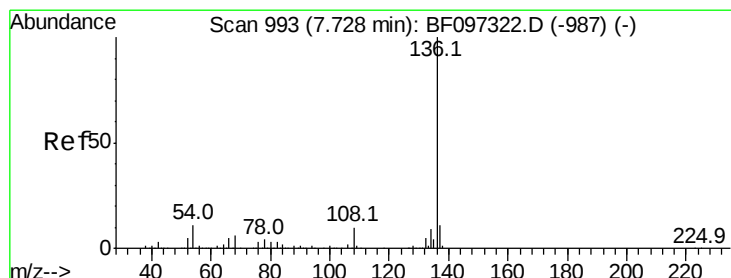
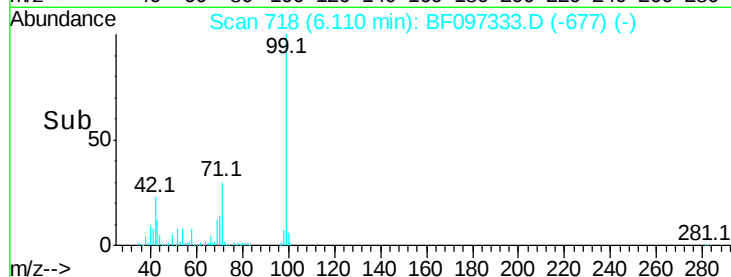
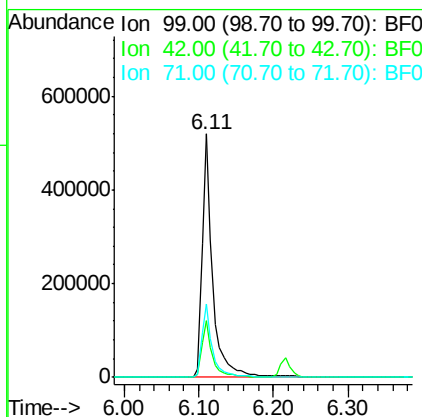
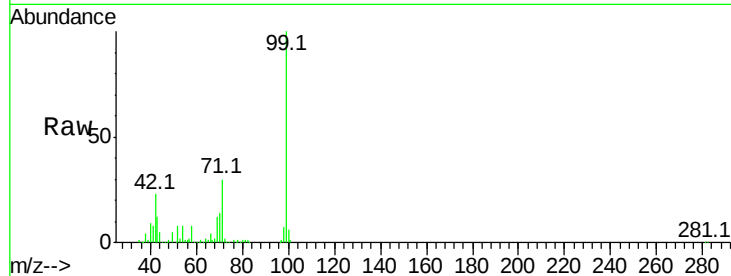
ClientSampleId :

72-11936

Tot Ion:	99	Resp:	522014
Ion Ratio	Lower	Upper	
99	100		
42	23.2	13.5	20.3#
71	30.2	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

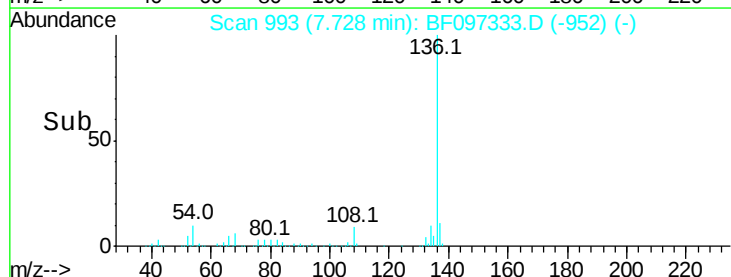
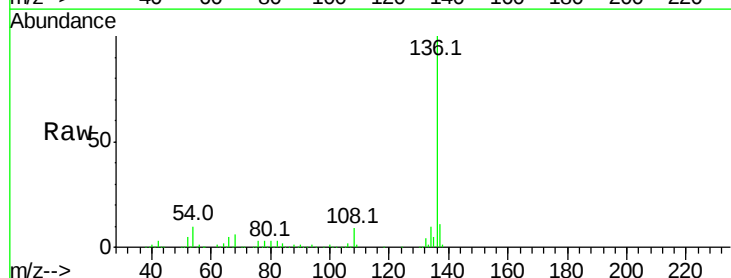
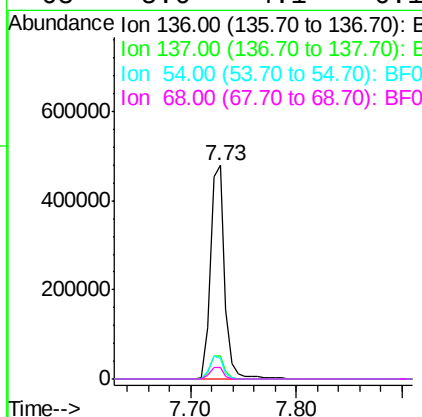
RT: 7.73 min Scan# 993

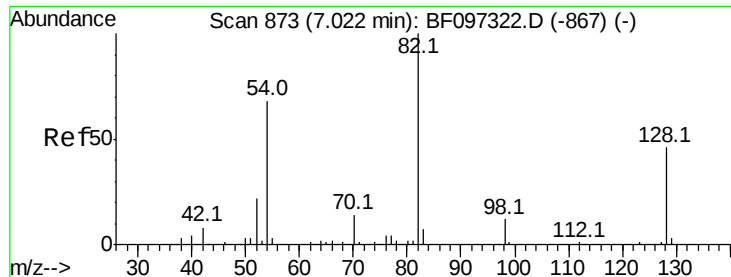
Delta R.T. -0.06 min

Lab File: BF097333.D

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Tgt Ion:	136	Resp:	454217
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	9.7	4.9	7.3#
68	5.6	4.1	6.1





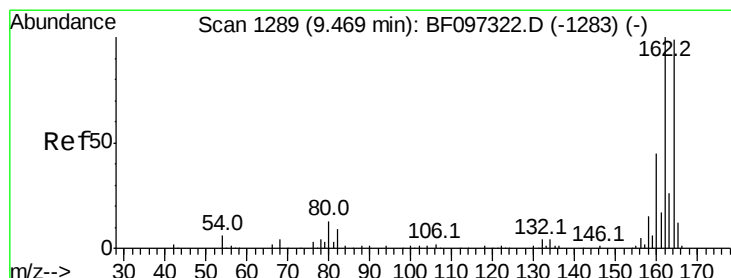
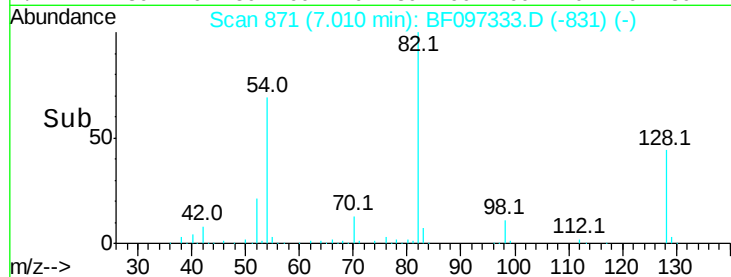
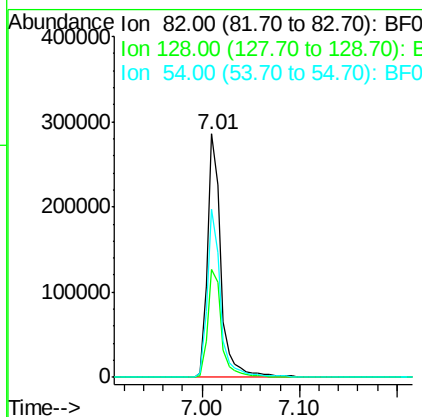
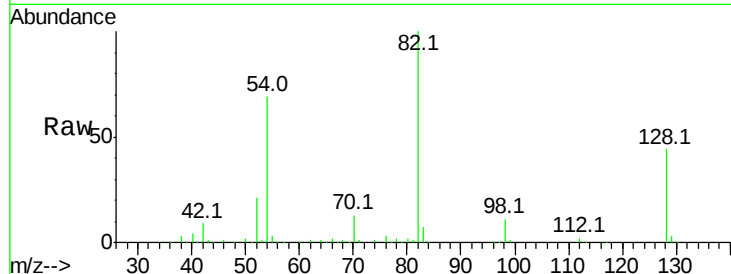
#23
 Nitrobenzene-d5
 Concen: 35.589 ng
 RT: 7.01 min Scan# 871
 Delta R.T. -0.06 min
 Lab File: BF097333.D
 Acq: 3 Aug 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :
 72-11936

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.4	34.0	51.0	
54	69.0	42.2	63.2	

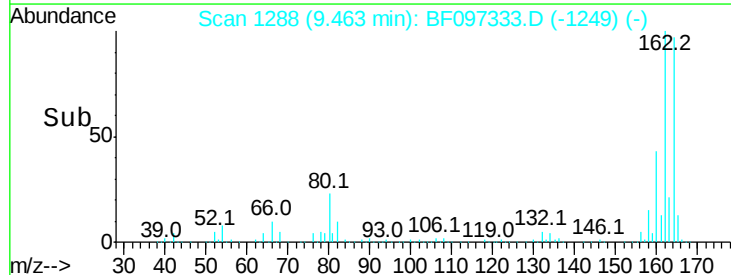
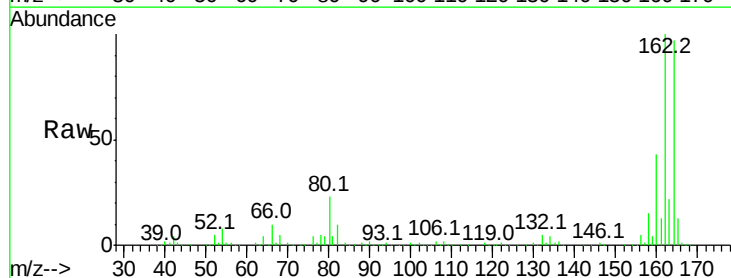
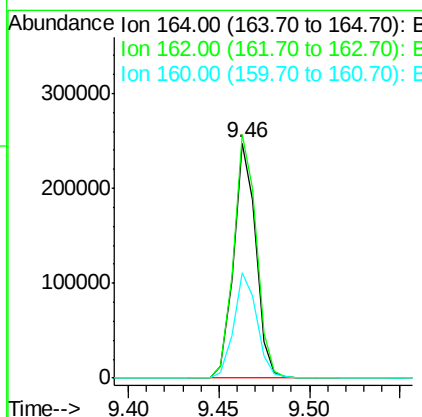
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.46 min Scan# 1288
 Delta R.T. -0.07 min
 Lab File: BF097333.D
 Acq: 3 Aug 2017 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.6	82.6	123.8	
160	44.9	36.2	54.2	





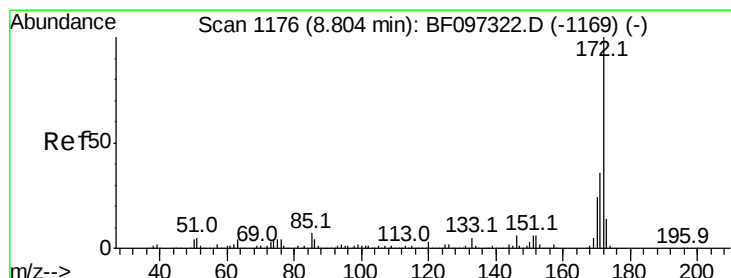
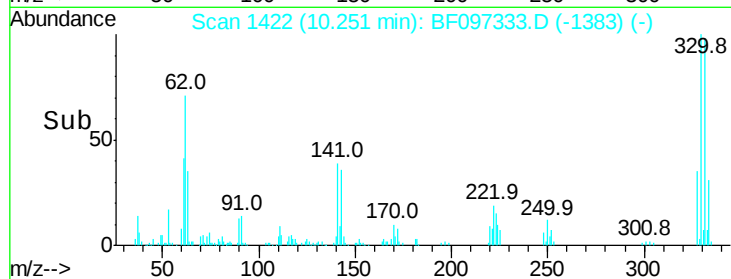
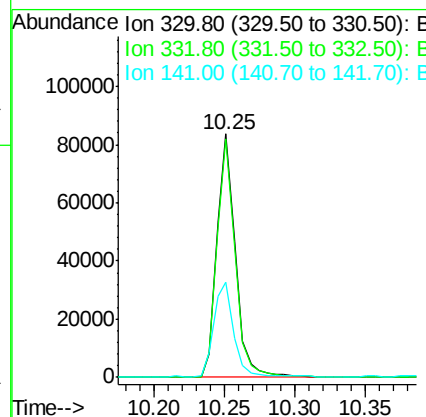
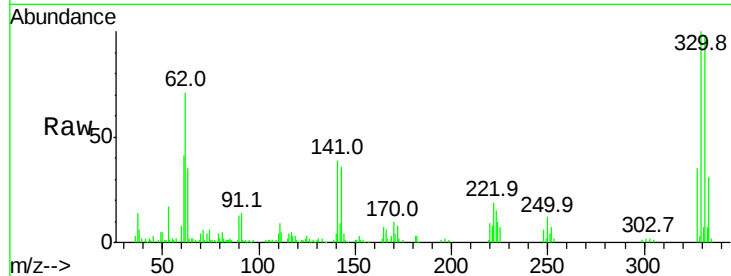
#41
 2,4,6-Tribromophenol
 Concen: 45.518 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.07 min
 Lab File: BF097333.D
 Acq: 3 Aug 2017 22:56

Instrument :
 BNA_F
 ClientSampled :
 72-11936

Tot Ion	Ratio	Resp	Lower	Upper
330	100	76253		
332	97.6		76.6	115.0
141	43.8		31.4	47.2

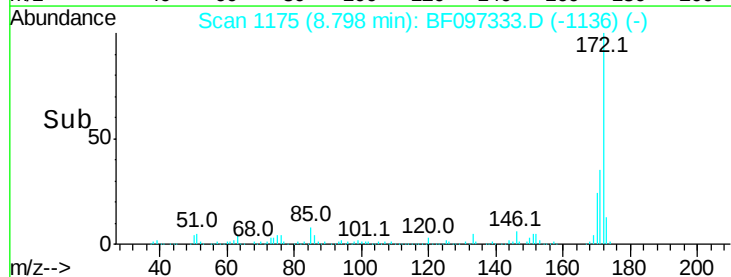
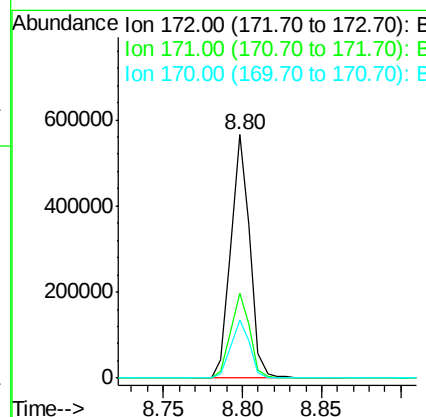
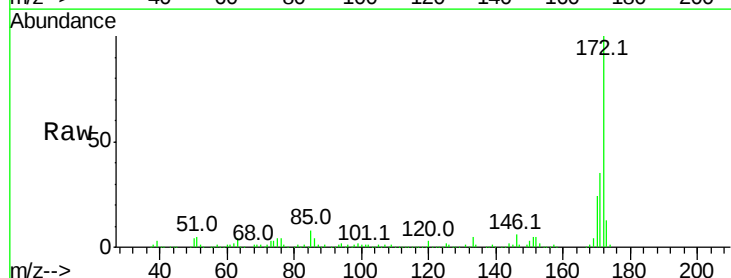
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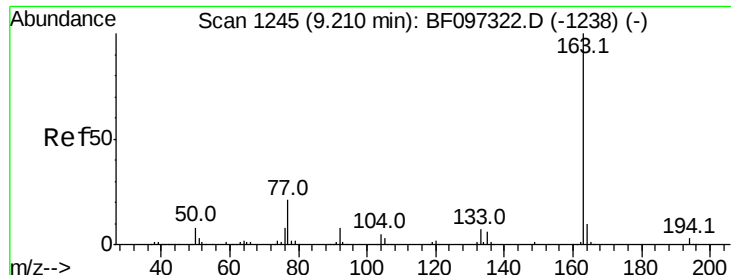
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#44
 2-Fluorobiphenyl
 Concen: 37.349 ng
 RT: 8.80 min Scan# 1175
 Delta R.T. -0.07 min
 Lab File: BF097333.D
 Acq: 3 Aug 2017 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	466620		
171	35.0		29.6	44.4
170	23.9		19.8	29.8





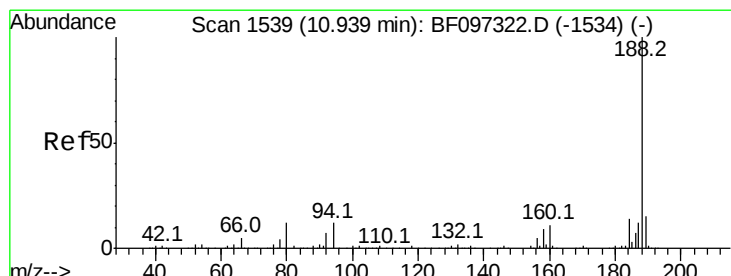
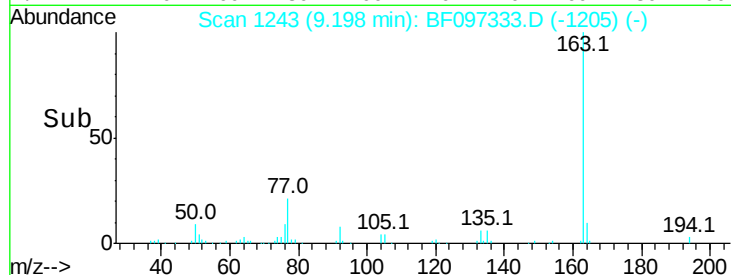
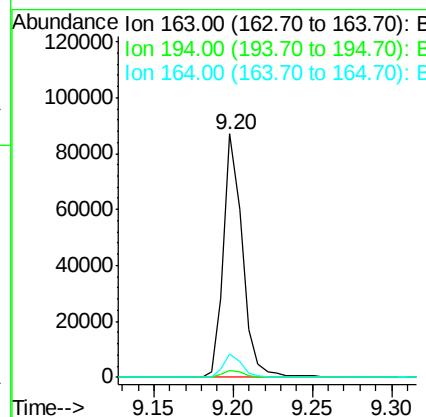
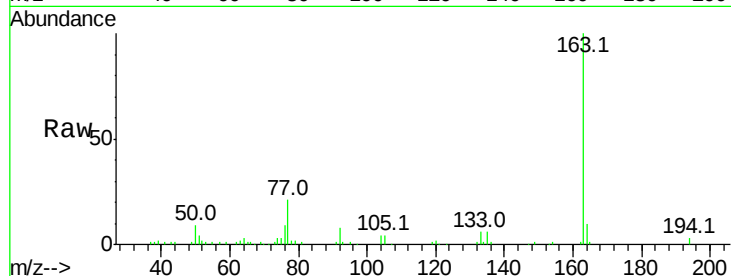
#49
Dimethylphthalate
Concen: 4.505 ng
RT: 9.20 min Scan# 1243
Delta R.T. -0.08 min
Lab File: BF097333.D
Acq: 3 Aug 2017 22:56

Instrument :
BNA_F
ClientSampleId :
72-11936

Tot Ion	Ratio	Resp	Lower	Upper
163	100	72536		
194	3.1		2.6	4.0
164	9.8		8.4	12.6

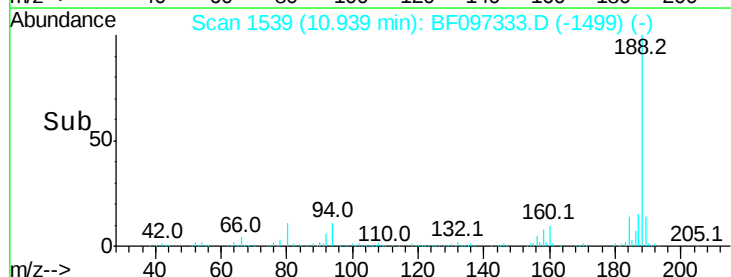
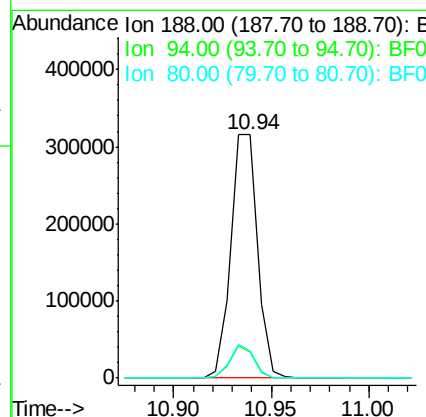
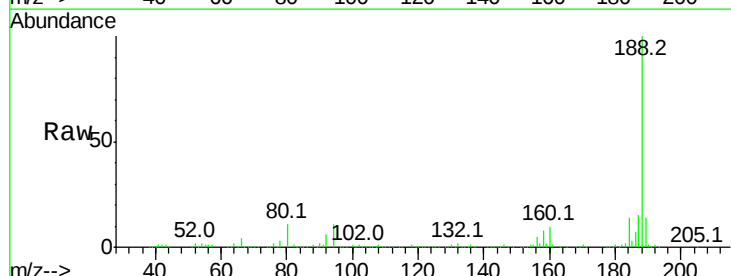
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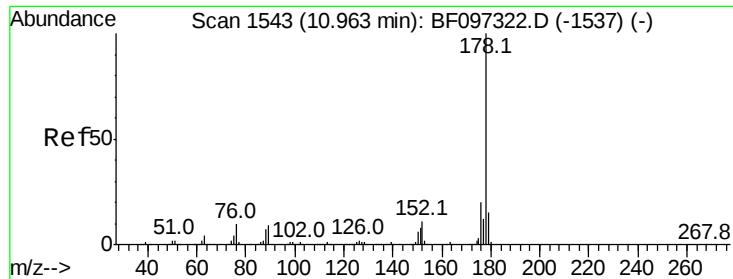
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.94 min Scan# 1539
Delta R.T. -0.06 min
Lab File: BF097333.D
Acq: 3 Aug 2017 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	299642		
94	10.7		9.4	14.2
80	11.0		10.2	15.2





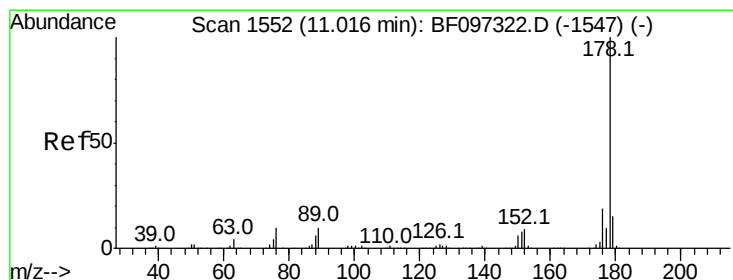
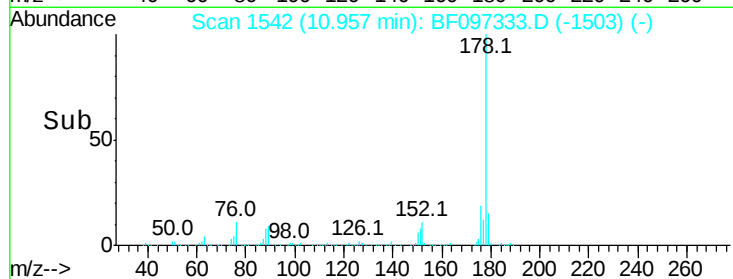
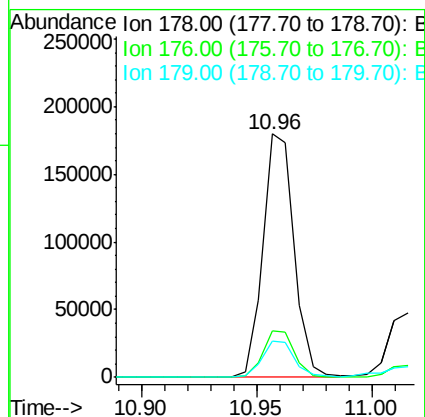
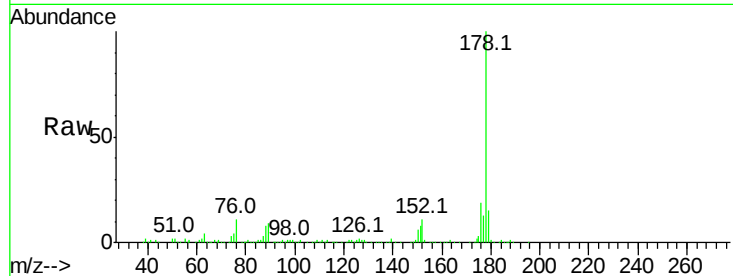
#70
Phenanthrene
Concen: 10.550 ng
RT: 10.96 min Scan# 1542
Delta R.T. -0.07 min
Lab File: BF097333.D
Acq: 3 Aug 2017 22:56

Instrument :
BNA_F
ClientSampled :
72-11936

Tot Ion:	178	Resp:	169384
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.2	24.4
179	15.0	12.6	19.0

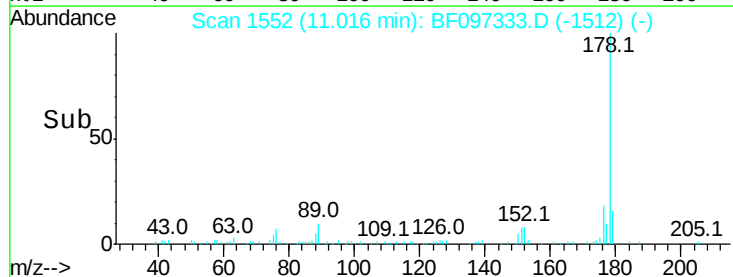
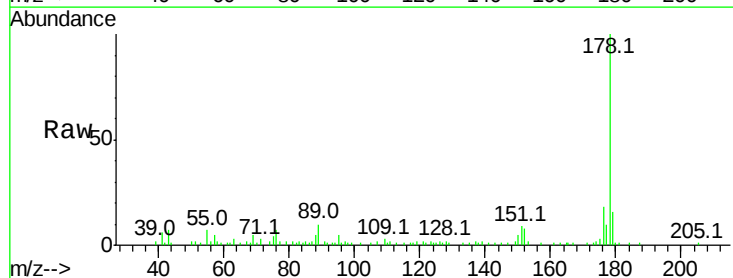
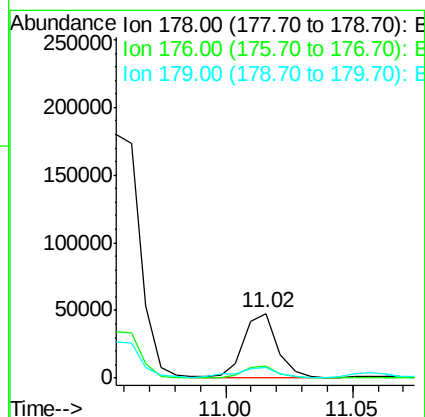
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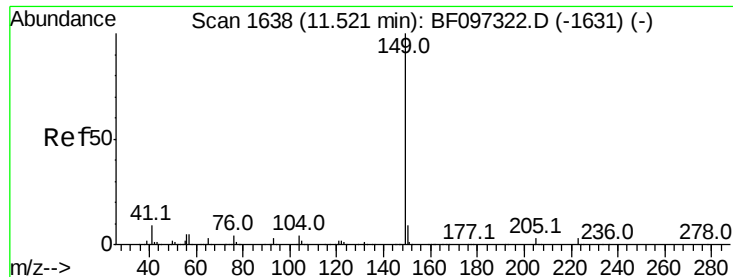
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#71
Anthracene
Concen: 2.688 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.06 min
Lab File: BF097333.D
Acq: 3 Aug 2017 22:56

Tgt Ion:	178	Resp:	44195
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.8	23.8
179	15.8	12.7	19.1





#73

Di-n-butylphthalate

Concen: 2.911 ng

RT: 11.52 min Scan# 1637

Delta R.T. -0.06 min

Lab File: BF097333.D

Acq: 3 Aug 2017 22:56

Instrument :

BNA_F

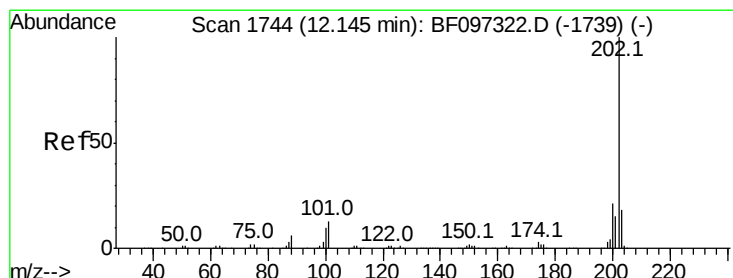
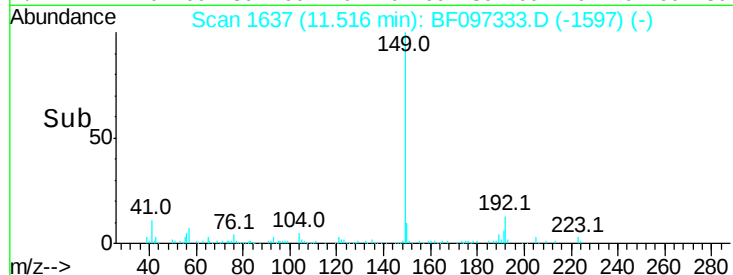
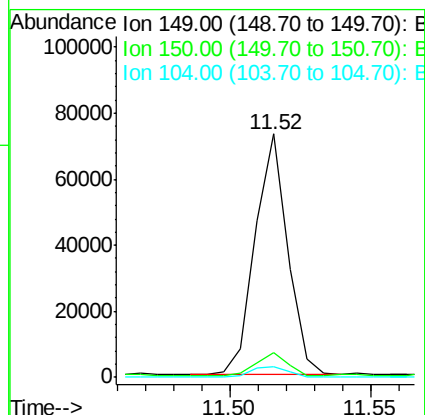
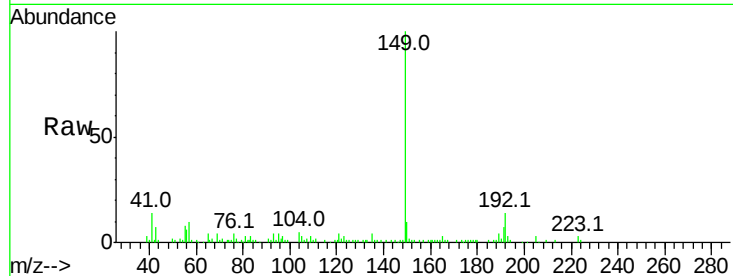
ClientSampleId :

72-11936

Tot Ion:	149	Resp:	58183
Ion Ratio	Lower	Upper	
149	100		
150	9.9	7.7	11.5
104	4.6	4.0	6.0

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#74

Fluoranthene

Concen: 16.310 ng

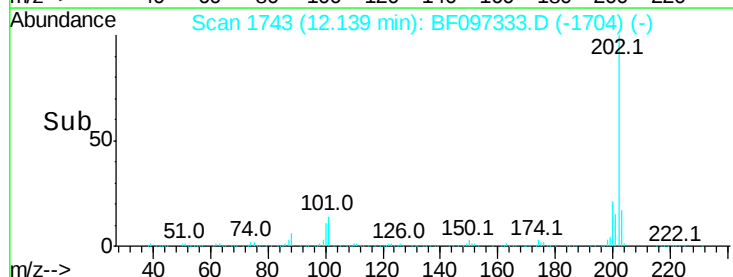
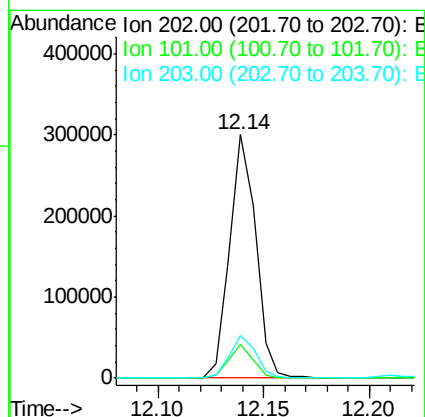
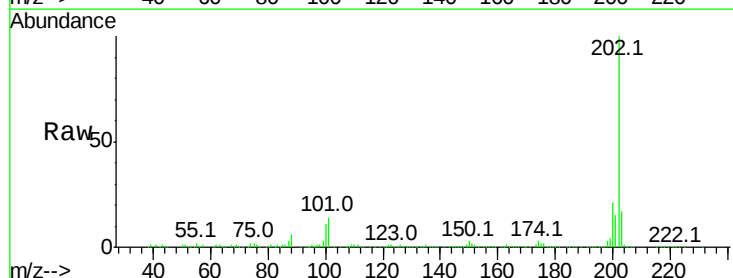
RT: 12.14 min Scan# 1743

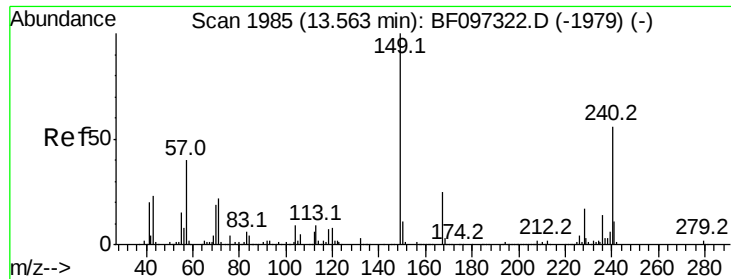
Delta R.T. -0.07 min

Lab File: BF097333.D

Acq: 3 Aug 2017 22:56

Tgt Ion:	202	Resp:	256528
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.56 min Scan# 1984

Delta R.T. -0.07 min

Lab File: BF097333.D

Acq: 3 Aug 2017 22:56

Instrument :

BNA_F

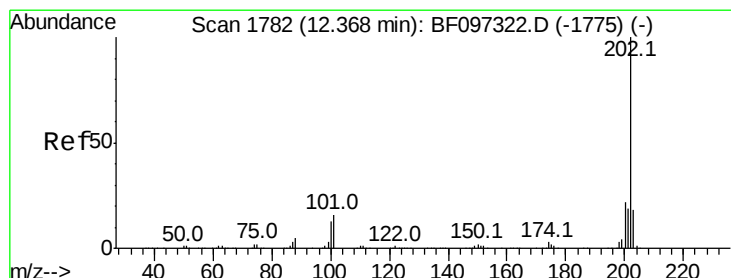
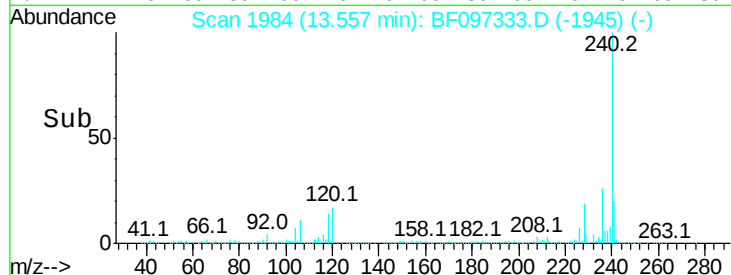
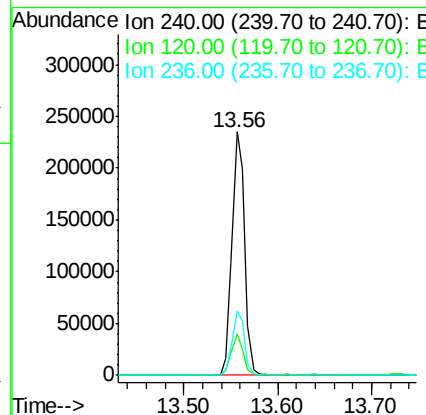
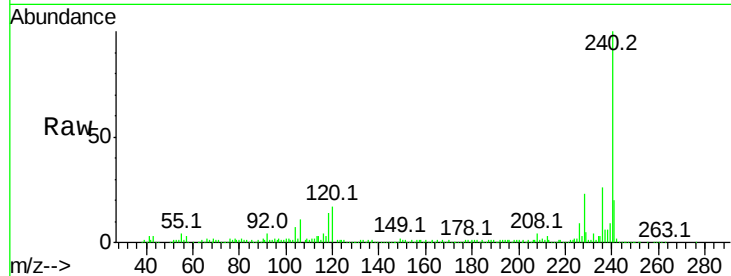
ClientSampleId :

72-11936

Tot Ion:240 Resp: 220823
 Ion Ratio Lower Upper
 240 100
 120 17.1 5.8 8.8#
 236 26.3 20.5 30.7

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#77

Pyrene

Concen: 13.215 ng

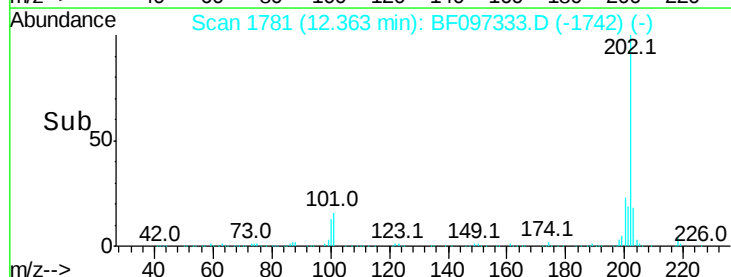
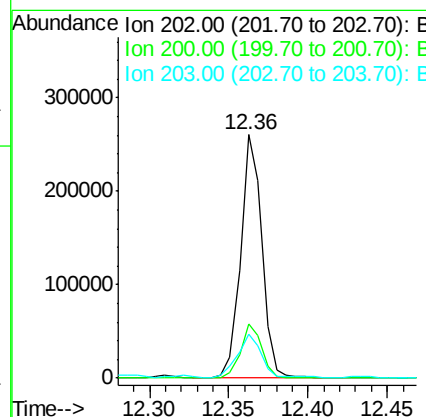
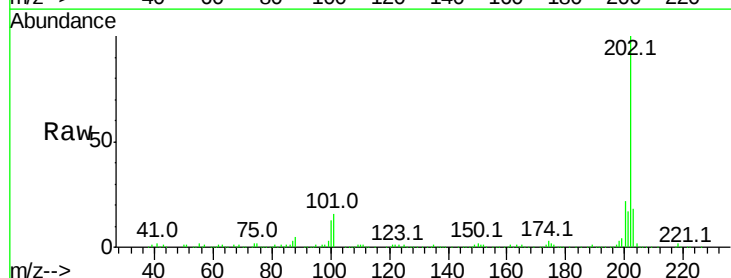
RT: 12.36 min Scan# 1781

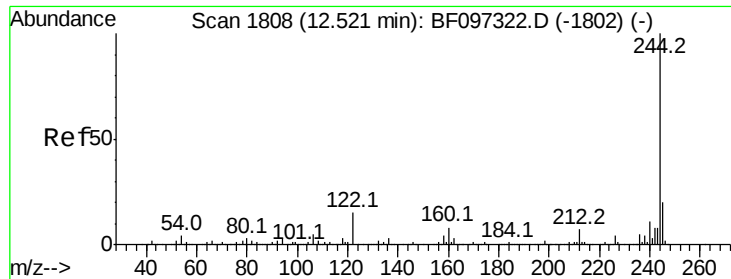
Delta R.T. -0.07 min

Lab File: BF097333.D

Acq: 3 Aug 2017 22:56

Tgt Ion:202 Resp: 238903
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.6 26.4
 203 18.2 14.4 21.6





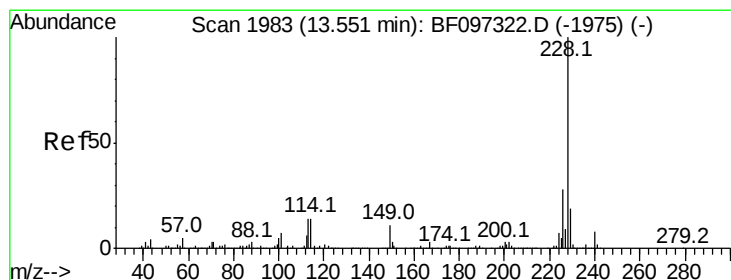
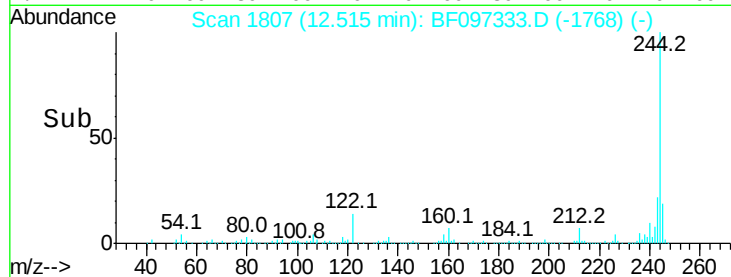
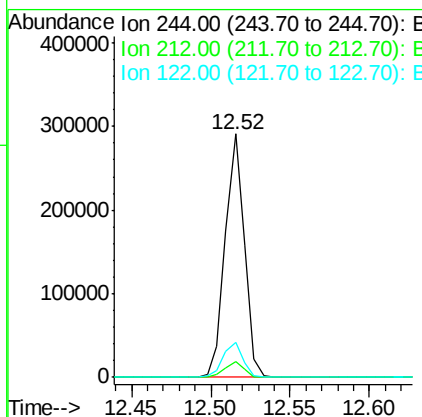
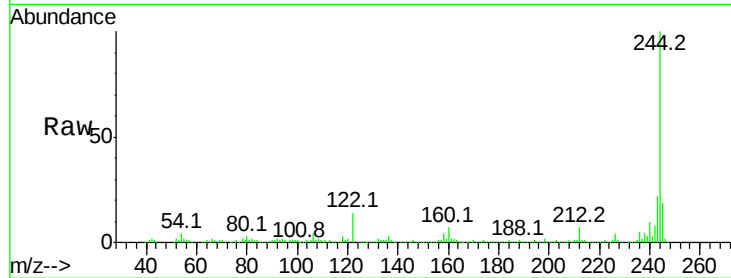
#78
 Terphenyl-d14
 Concen: 22.541 ng
 RT: 12.52 min Scan# 1807
 Delta R.T. -0.07 min
 Lab File: BF097333.D
 Acq: 3 Aug 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :
 72-11936

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.7	6.0	9.0	
122	14.4	10.3	15.5	

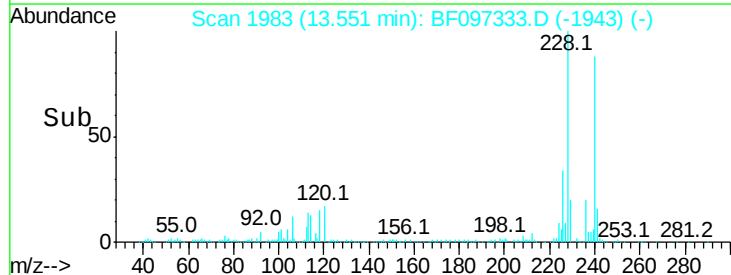
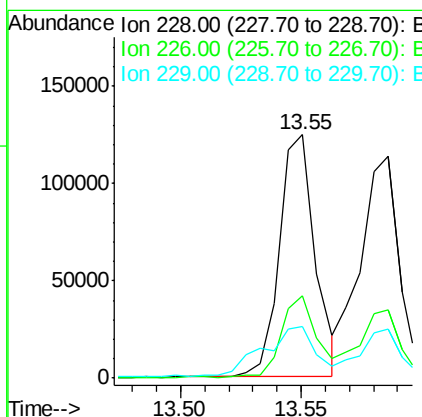
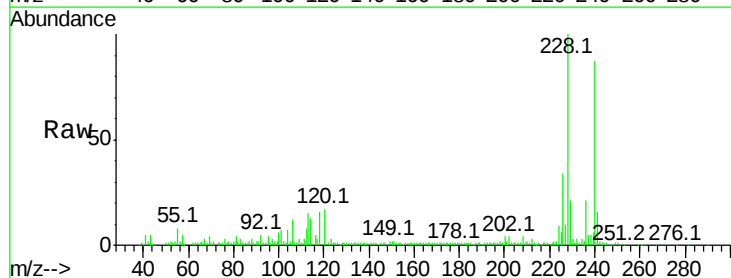
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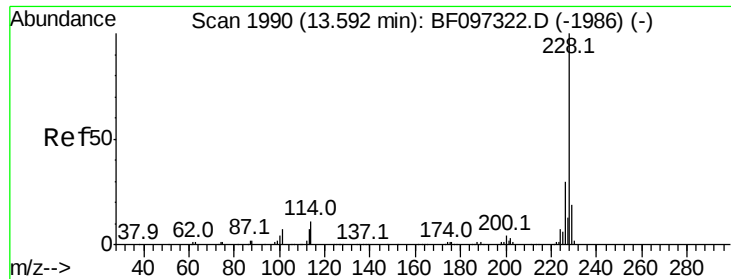
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#80
 Benzo(a)anthracene
 Concen: 8.930 ng m
 RT: 13.55 min Scan# 1983
 Delta R.T. -0.06 min
 Lab File: BF097333.D
 Acq: 3 Aug 2017 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	34.1	22.6	33.8#	
229	21.0	16.3	24.5	





#82

Chrysene

Concen: 9.197 ng

RT: 13.59 min Scan# 1989

Delta R.T. -0.07 min

Lab File: BF097333.D

Acq: 3 Aug 2017 22:56

Instrument :

BNA_F

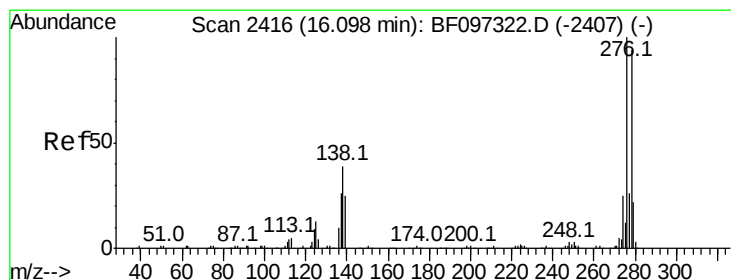
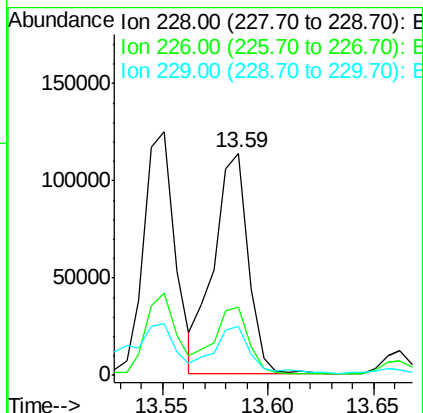
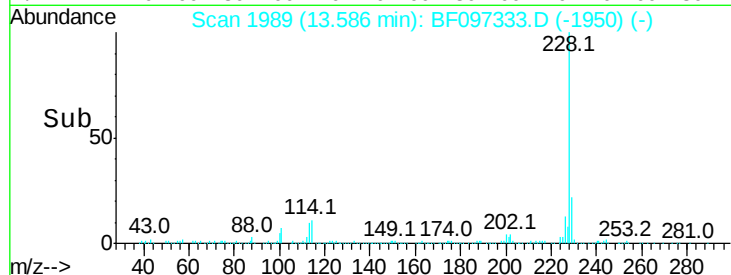
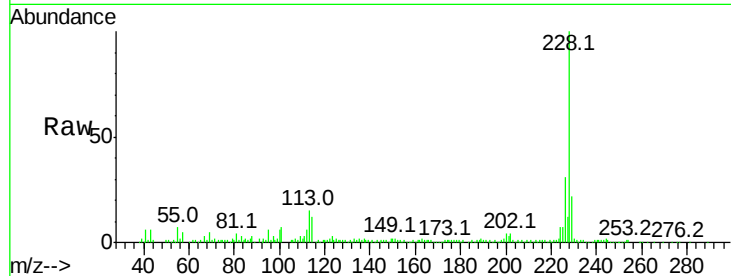
ClientSampleId :

72-11936

Tot Ion:	228	Resp:	128321
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.9	37.3
229	22.1	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.351 ng

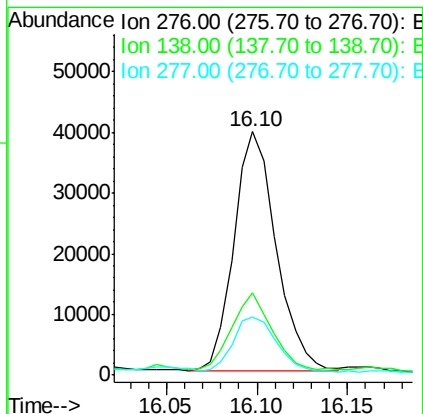
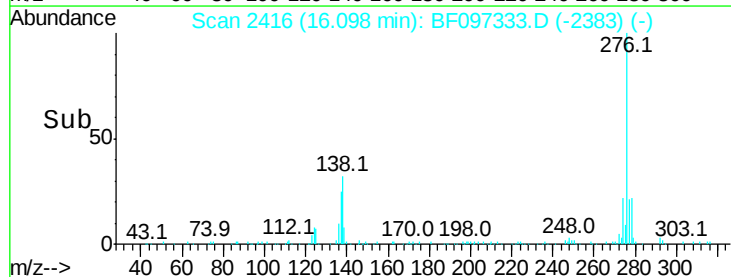
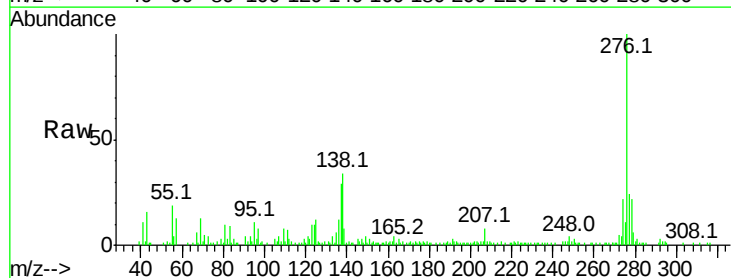
RT: 16.10 min Scan# 2416

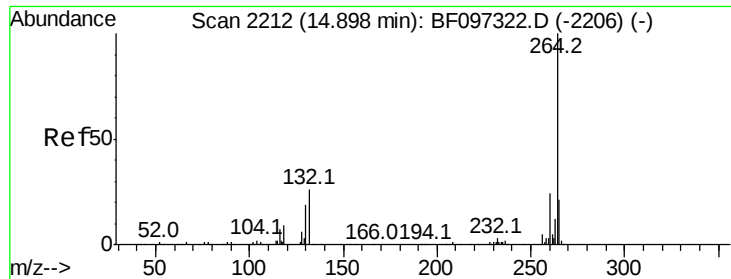
Delta R.T. -0.11 min

Lab File: BF097333.D

Acq: 3 Aug 2017 22:56

Tgt Ion:	276	Resp:	64014
Ion Ratio	Lower	Upper	
276	100		
138	31.4	27.8	41.6
277	23.5	20.2	30.4





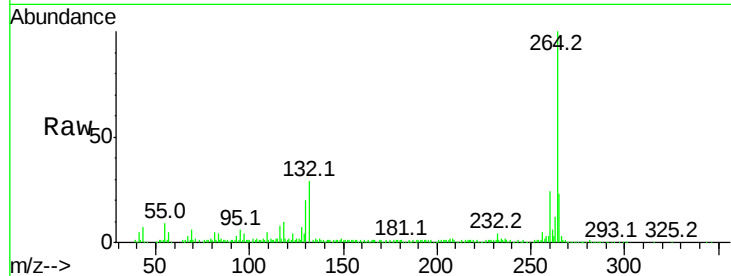
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.90 min Scan# 2212
Delta R.T. -0.08 min
Lab File: BF097333.D
Acq: 3 Aug 2017 22:56

Instrument :
BNA_F
ClientSampleId :
72-11936

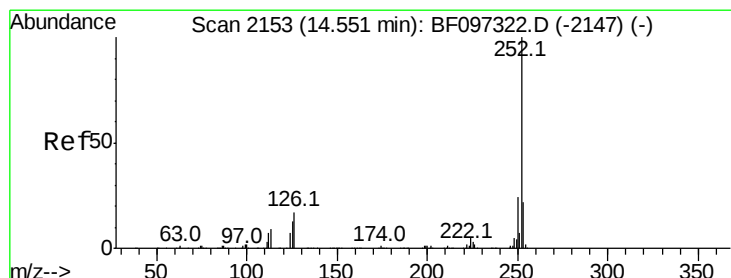
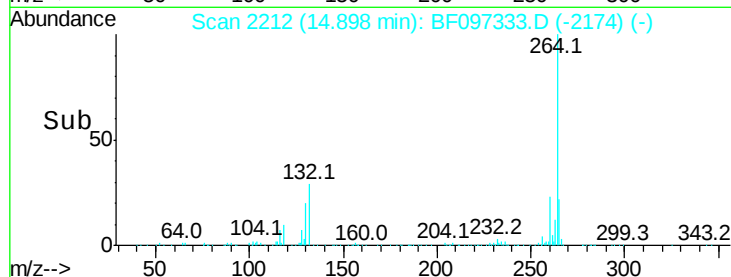
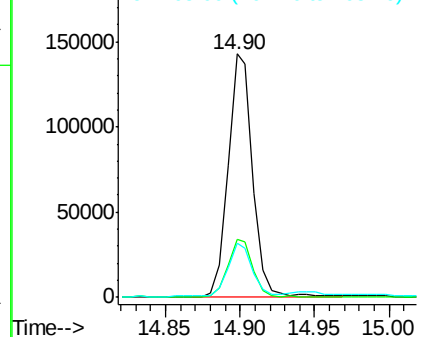
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.5	17.2	25.8

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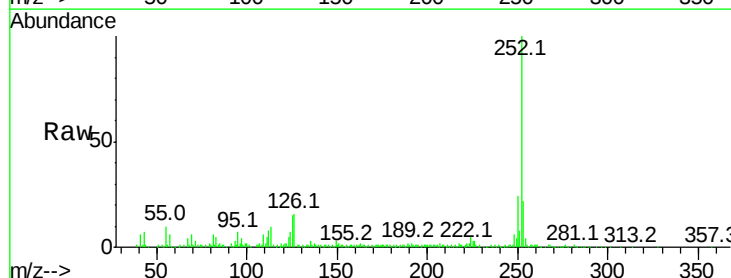


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

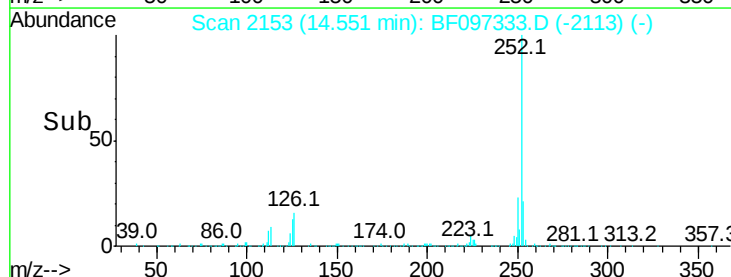
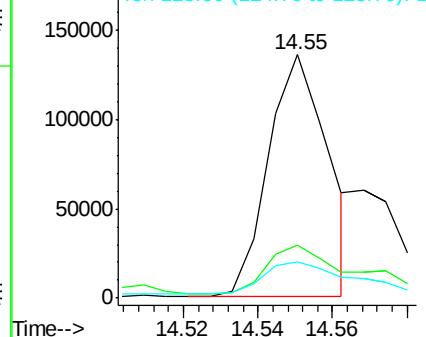


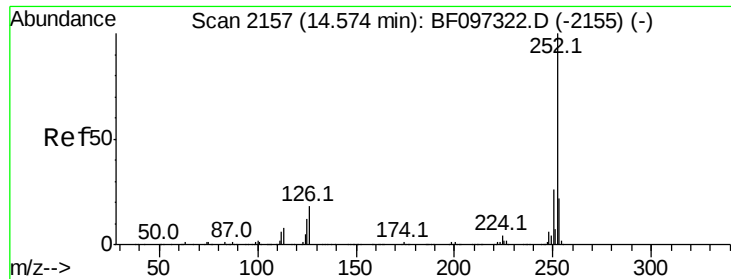
#87
Benzo(b)fluoranthene
Concen: 15.399 ng m
RT: 14.55 min Scan# 2153
Delta R.T. -0.06 min
Lab File: BF097333.D
Acq: 3 Aug 2017 22:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	15.2	9.8	14.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





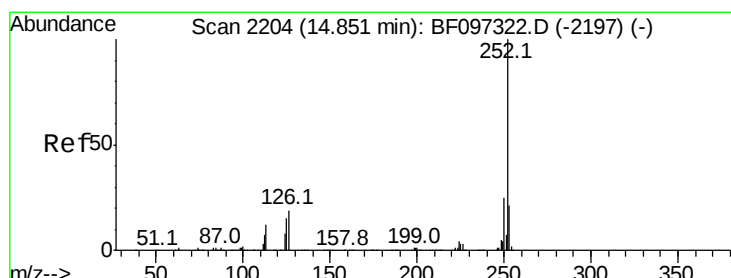
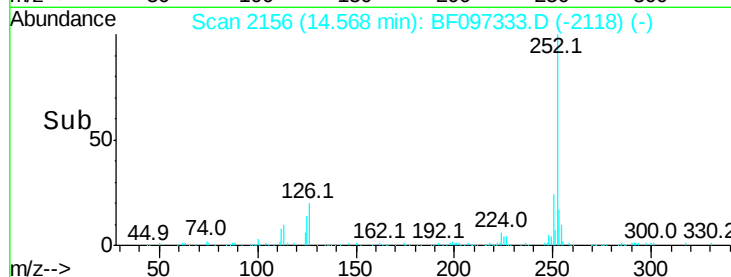
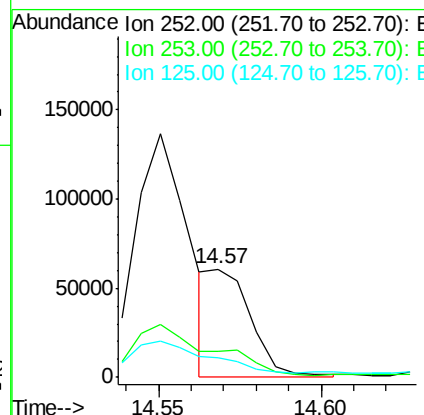
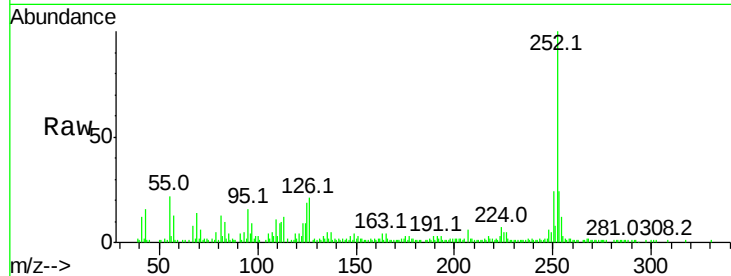
#88
Benzo(k)fluoranthene
Concen: 5.520 ng m
RT: 14.57 min Scan# 2156
Delta R.T. -0.08 min
Lab File: BF097333.D
Acq: 3 Aug 2017 22:56

Instrument :
BNA_F
ClientSampled :
72-11936

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	18.5	13.1	19.7

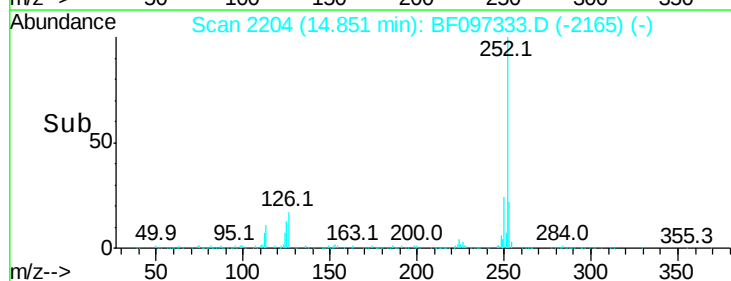
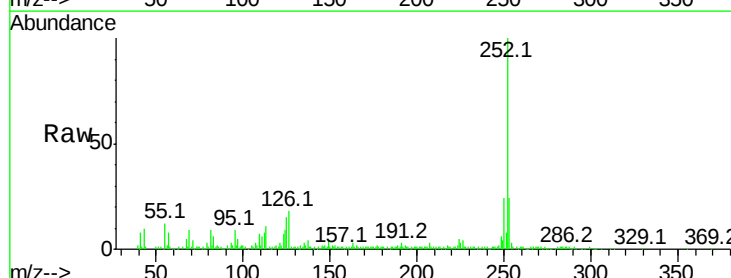
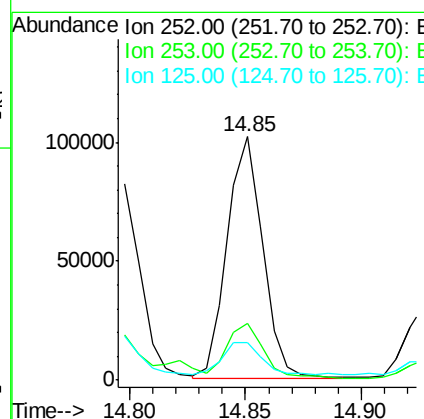
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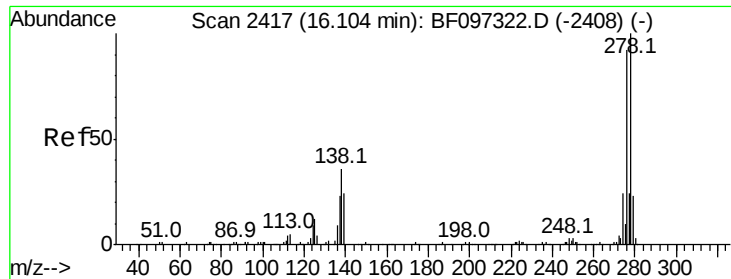
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#89
Benzo(a)pyrene
Concen: 12.044 ng
RT: 14.85 min Scan# 2204
Delta R.T. -0.07 min
Lab File: BF097333.D
Acq: 3 Aug 2017 22:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	15.3	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.075 ng/mL

RT: 16.10 min Scan# 2416

Delta R.T. -0.12 min

Lab File: BF097333.D

Acq: 3 Aug 2017 22:56

Instrument :

BNA_F

ClientSampleId :

72-11936

Tot Ion: 278 Resp: 15410

Ion Ratio Lower Upper

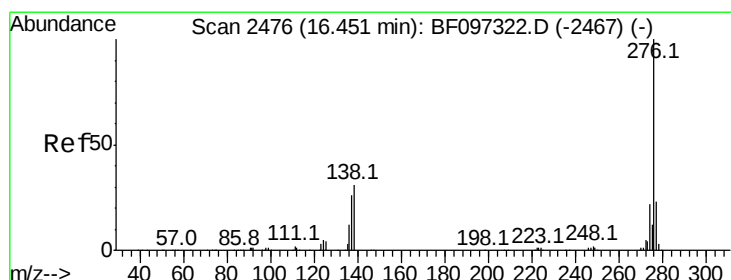
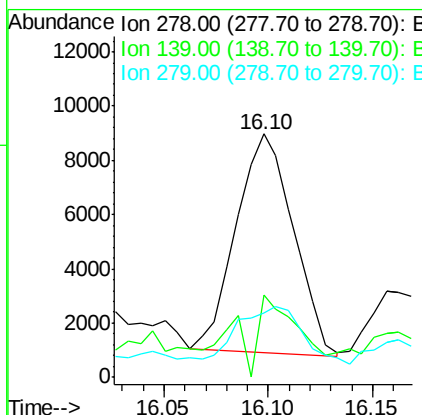
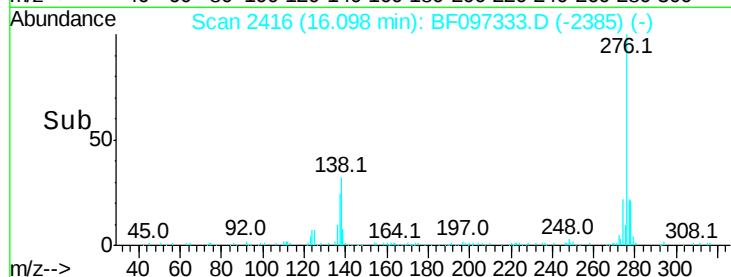
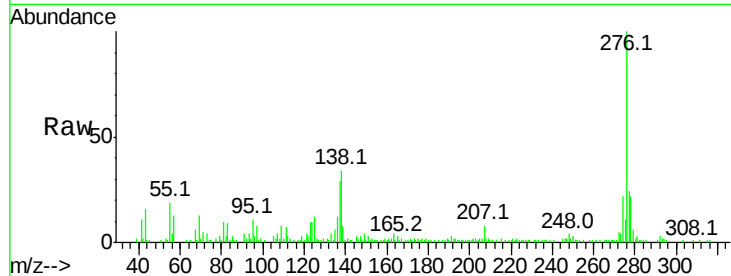
278 100

139 34.0 16.6 24.8#

279 26.3 19.3 28.9

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 8.196 ng/mL

RT: 16.46 min Scan# 2477

Delta R.T. -0.11 min

Lab File: BF097333.D

Acq: 3 Aug 2017 22:56

Tgt Ion: 276 Resp: 63829

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 29.6 25.4 38.0

