

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097870.D
 Acq On : 19 Aug 2017 9:20
 Operator : SJ/JU
 Sample : I4820-05 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-I10-BASE

Manual Integrations
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mohammad
 8/21/2017 8:19:42 AM

Quant Time: Aug 21 01:07:39 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	111583	20.00	ng	-0.02
21) Naphthalene-d8	8.06	136	436018	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	185778	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	346612	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	277500	20.00	ng	-0.01
86) Perylene-d12	15.36	264	240248	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	116476	15.88	ng	-0.02
7) Phenol-d6	6.39	99	156040	15.66	ng	-0.02
23) Nitrobenzene-d5	7.33	82	92623	11.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	21643	13.43	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	134155	10.61	ng	-0.02
78) Terphenyl-d14	12.87	244	93362	7.02	ng	-0.02
Target Compounds						
51) Acenaphthene	9.84	154	29862	2.409	ng	95
57) Fluorene	10.35	166	34532	2.688	ng	94
70) Phenanthrene	11.32	178	508813	27.548	ng	100
71) Anthracene	11.36	178	114381	6.106	ng	99
74) Fluoranthene	12.50	202	522269	27.091	ng	98
77) Pyrene	12.73	202	463919	20.440	ng	98
80) Benzo(a)anthracene	13.92	228	196340	11.805	ng	99
82) Chrysene	13.95	228	193684	11.707	ng	98
85) Indeno(1,2,3-cd)pyrene	16.74	276	60484	4.970	ng	# 91
87) Benzo(b)fluoranthene	14.94	252	203459m	13.435	ng	
88) Benzo(k)fluoranthene	14.97	252	57069m	4.011	ng	
89) Benzo(a)pyrene	15.29	252	141439	10.550	ng	98
91) Benzo(a,h,i)perylene	17.16	276	51934	4.560	ng	# 91

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

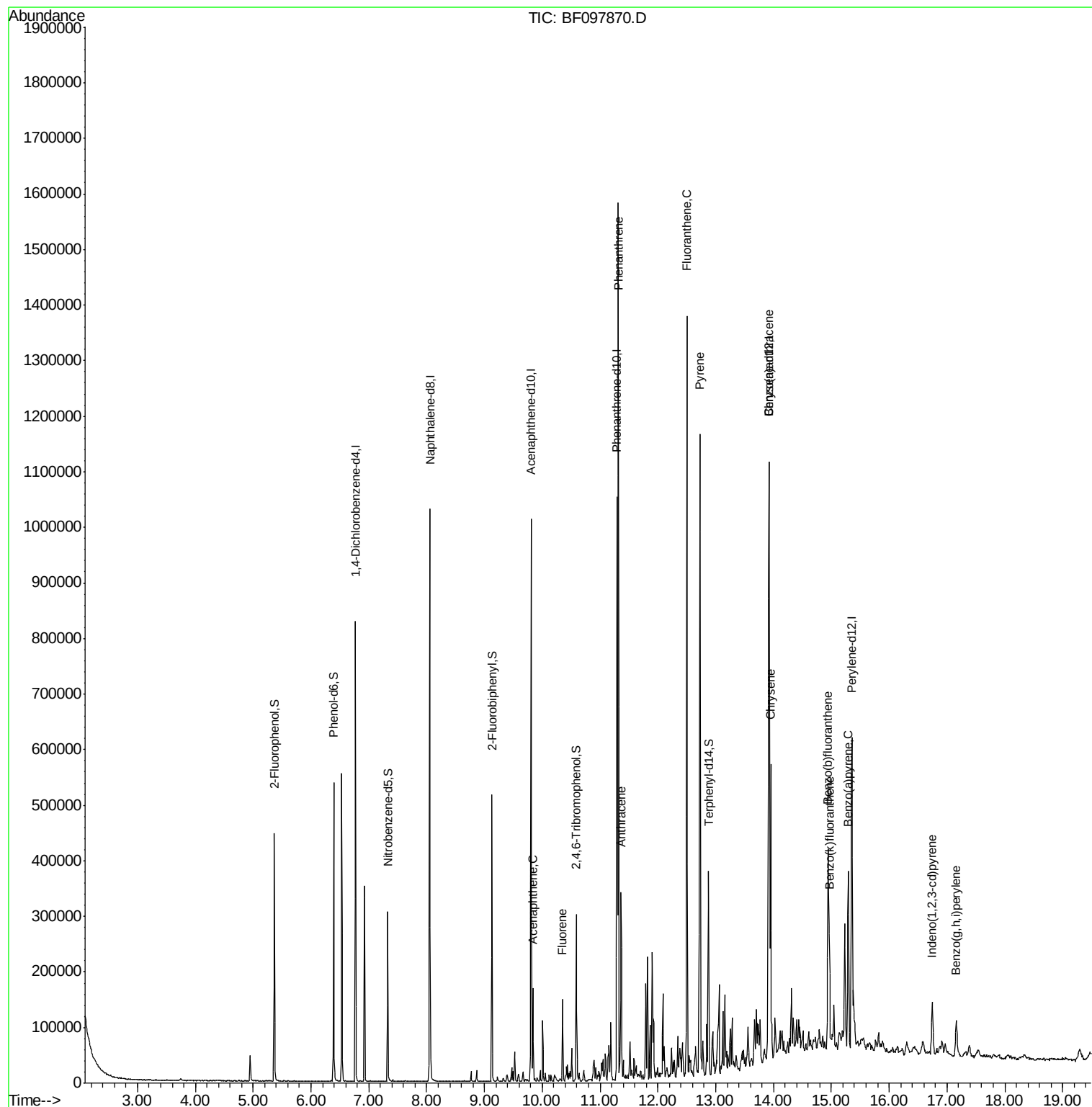
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
Data File : BF097870.D
Acq On : 19 Aug 2017 9:20
Operator : SJ/JU
Sample : I4820-05 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

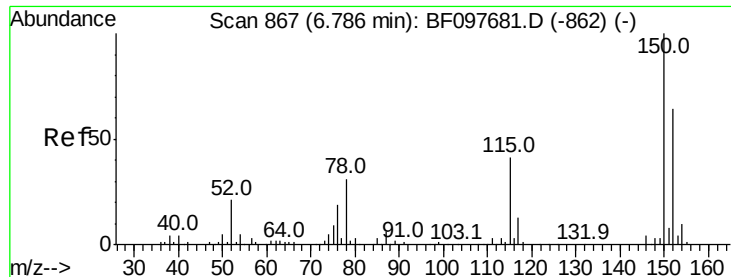
Instrument :
BNA_F
ClientSampleId :
E2-I10-BASE

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Quant Time: Aug 21 01:07:39 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

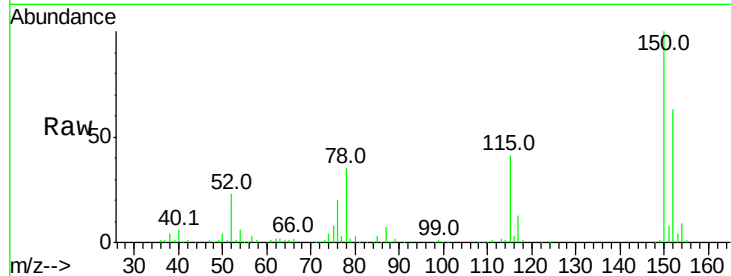
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Instrument :
BNA_F
ClientSampleId :
E2-110-BASE

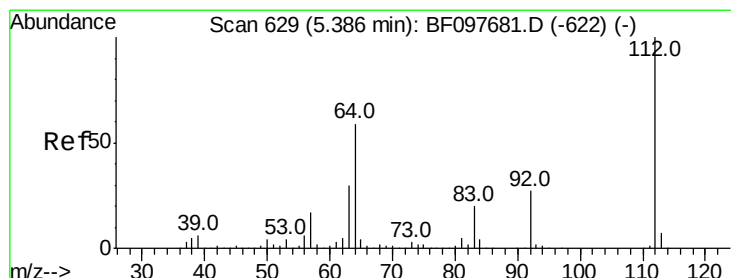
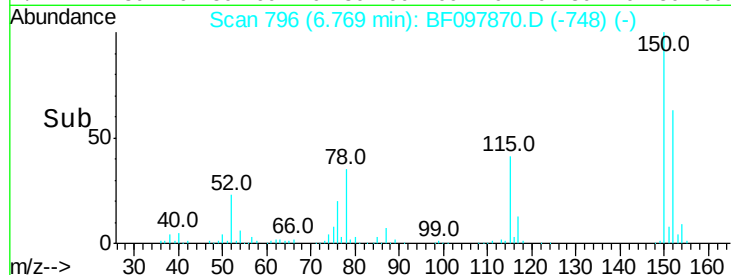
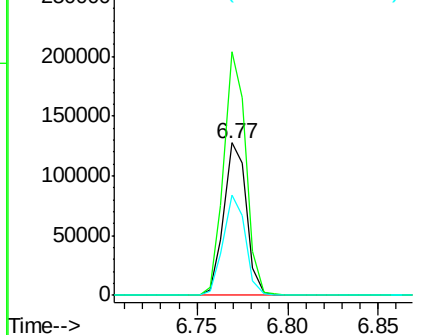
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.2	189.2
115	65.7	52.2	78.2

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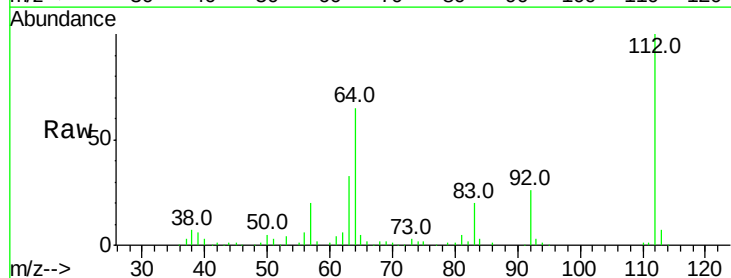
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



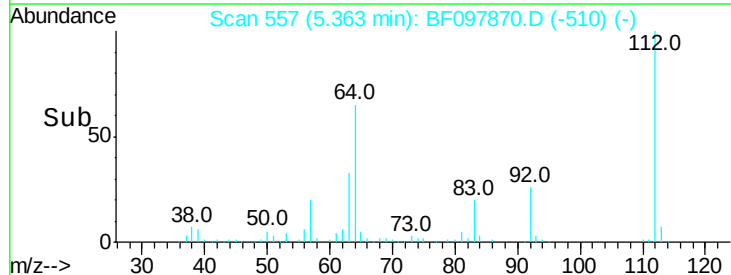
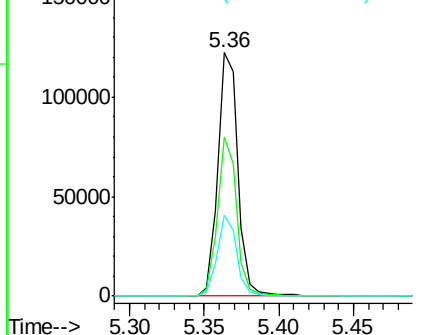
#5

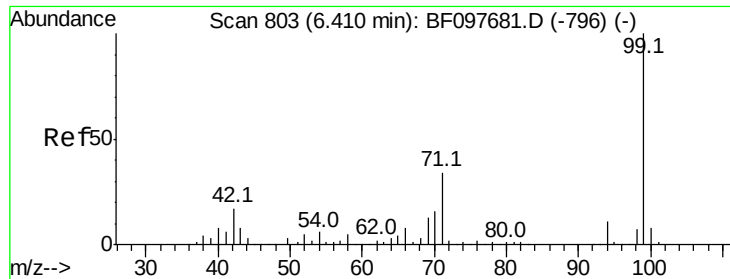
2-Fluorophenol
Concen: 15.878 ng
RT: 5.36 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	46.0	69.0
63	33.2	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: 15.655 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Instrument :

BNA_F

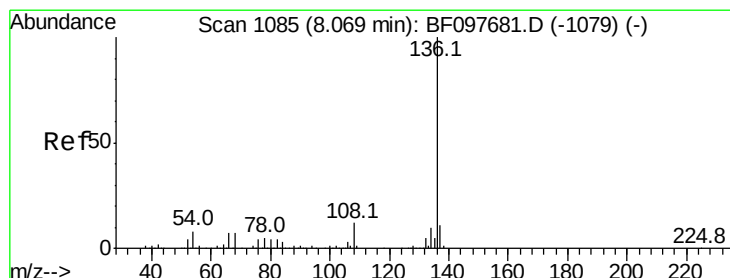
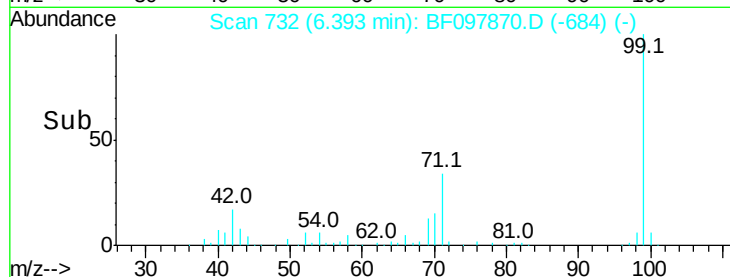
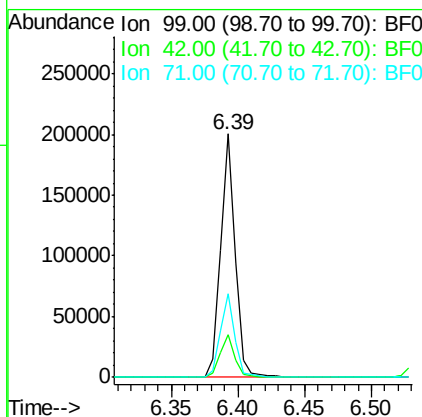
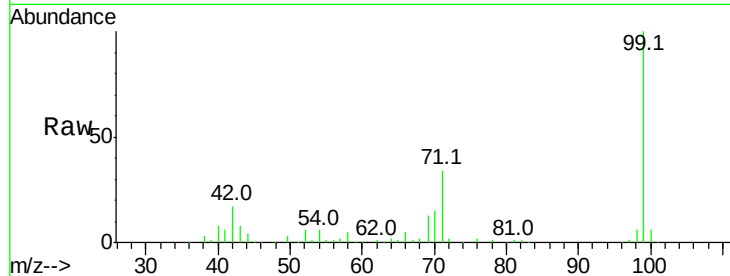
ClientSampled :

E2-I10-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		156040		
42	17.4	13.5	20.3		
71	34.1	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

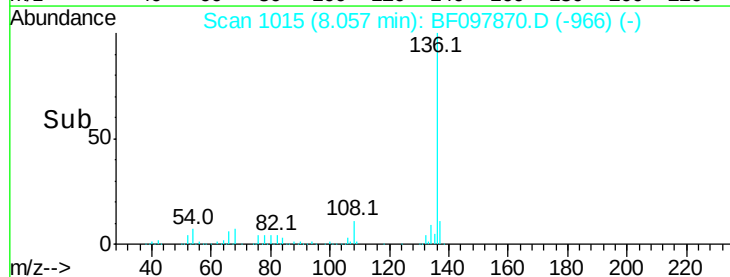
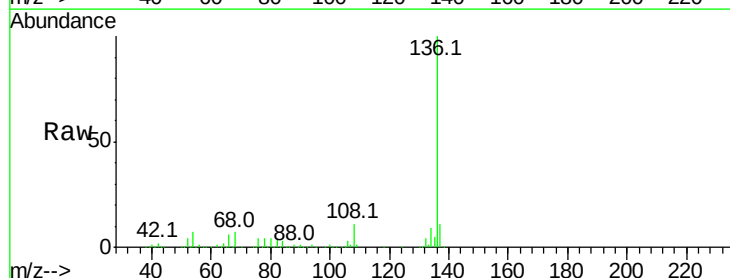
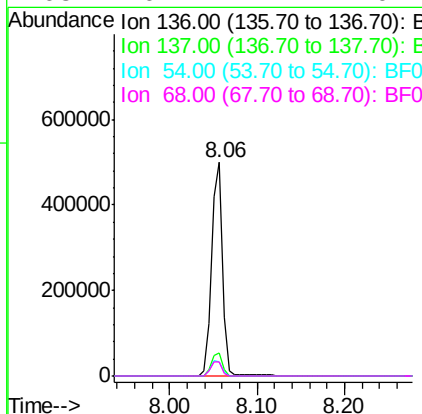
RT: 8.06 min Scan# 1015

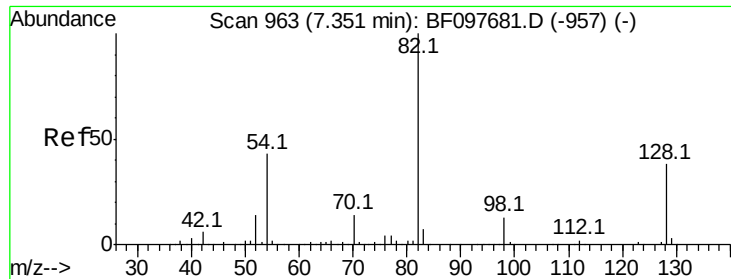
Delta R.T. -0.01 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		436018		
137	10.6	8.5	12.7		
54	6.8	4.9	7.3		
68	6.7	4.1	6.1#		





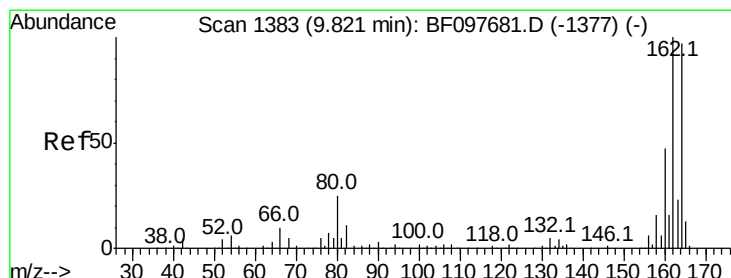
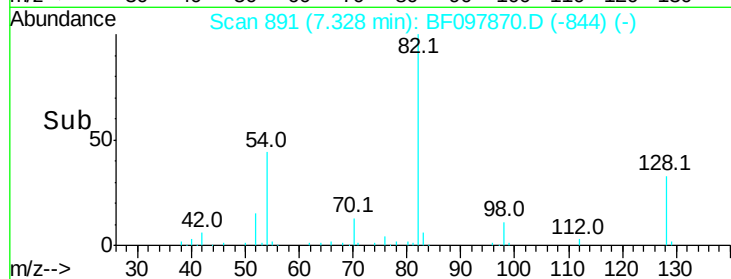
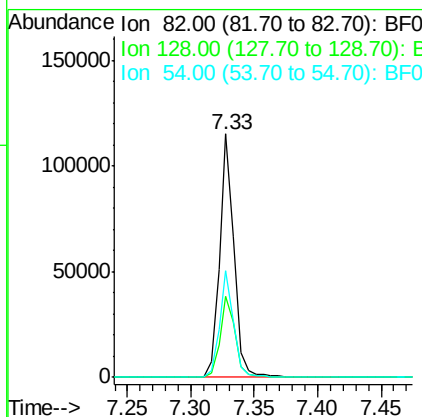
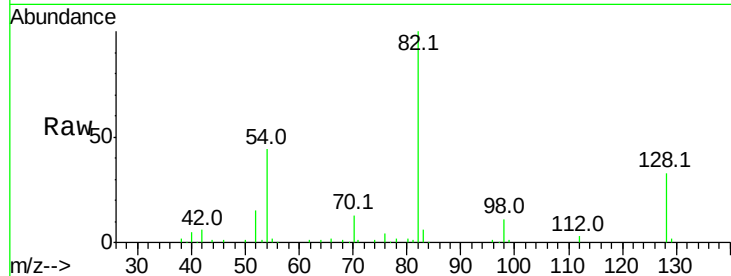
#23
 Nitrobenzene-d5
 Concen: 11.540 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.02 min
 Lab File: BF097870.D
 Acq: 19 Aug 2017 9:20

Instrument :
 BNA_F
 ClientSampleId :
 E2-110-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.1	34.0	51.0#
54	43.8	42.2	63.2

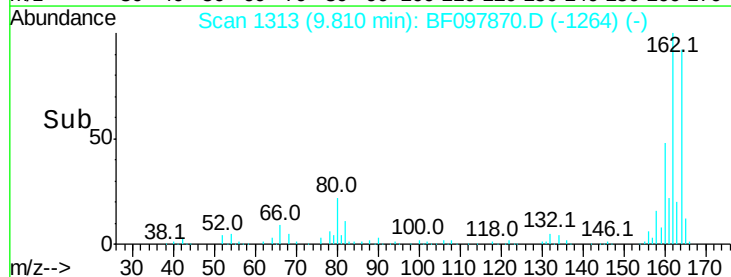
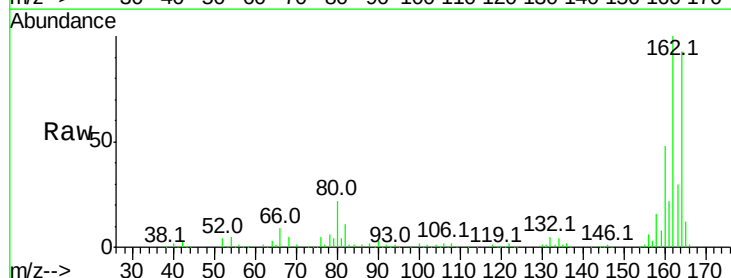
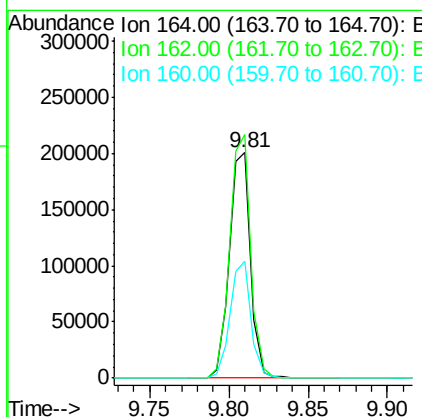
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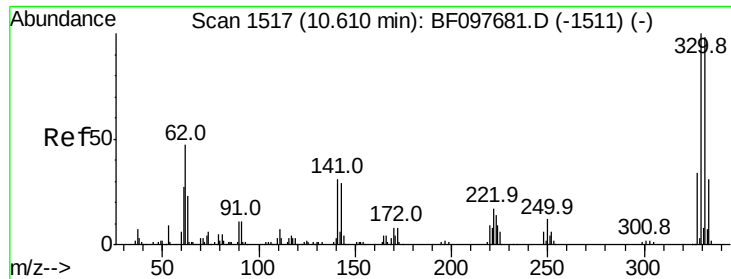
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097870.D
 Acq: 19 Aug 2017 9:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.9	82.6	123.8
160	51.5	36.2	54.2





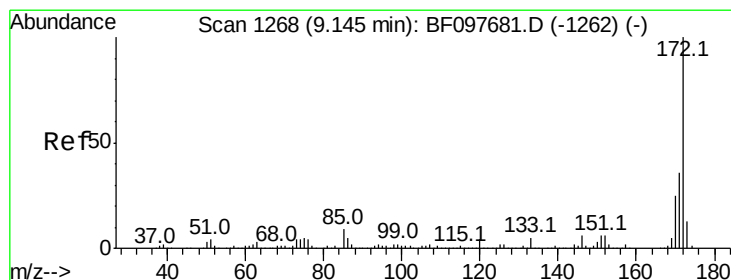
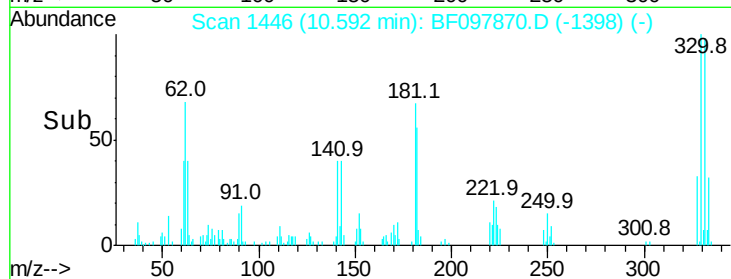
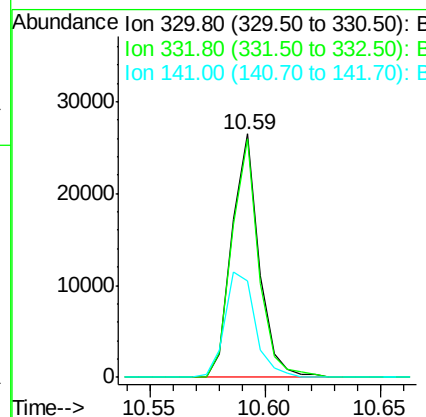
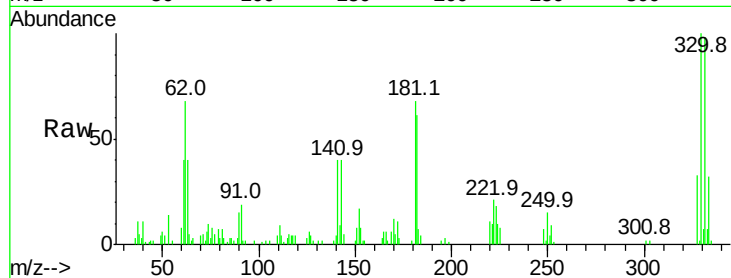
#41
 2,4,6-Tribromophenol
 Concen: 13.427 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF097870.D
 Acq: 19 Aug 2017 9:20

Instrument :
 BNA_F
 ClientSampleId :
 E2-110-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	21643		
332	97.0	76.6	115.0	
141	48.5	31.4	47.2#	

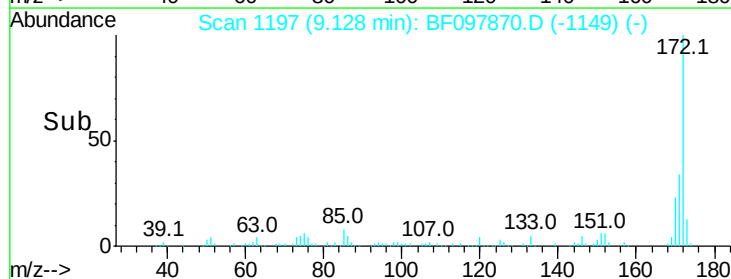
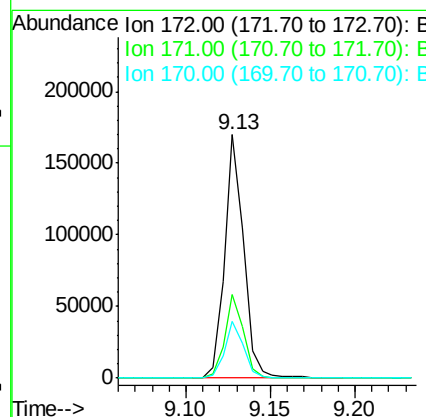
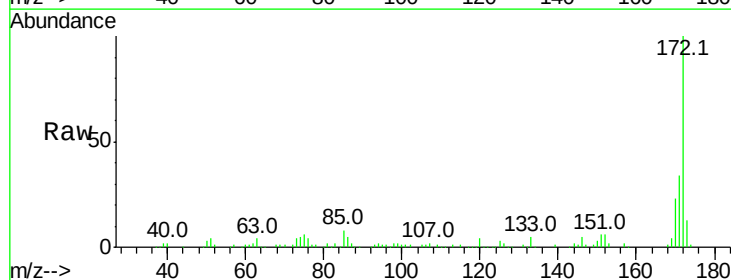
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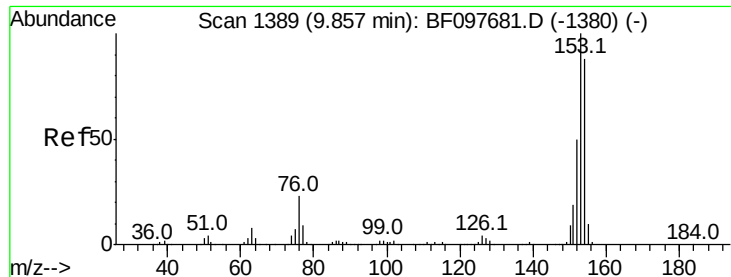
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#44
 2-Fluorobiphenyl
 Concen: 10.610 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF097870.D
 Acq: 19 Aug 2017 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	134155		
171	34.4	29.6	44.4	
170	23.2	19.8	29.8	





#51

Acenaphthene

Concen: 2.409 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Instrument :

BNA_F

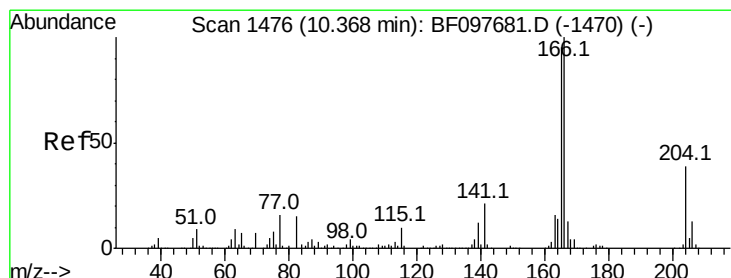
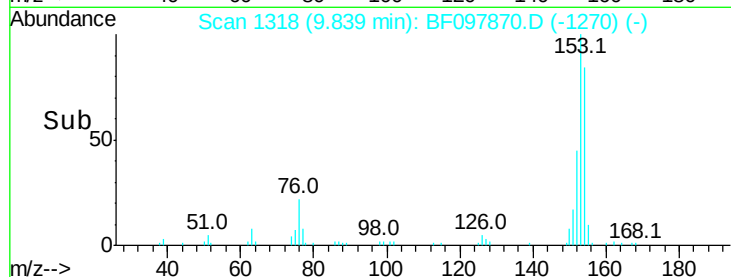
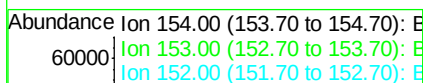
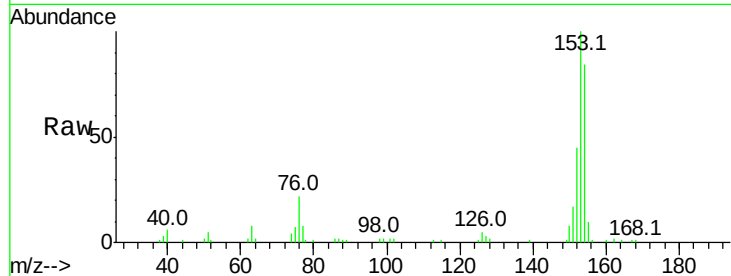
ClientSampleId :

E2-110-BASE

Tot Ion:	154	Resp:	29862
Ion Ratio	Lower	Upper	
154	100		
153	119.3	90.5	135.7
152	53.1	43.6	65.4

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#57

Fluorene

Concen: 2.688 ng

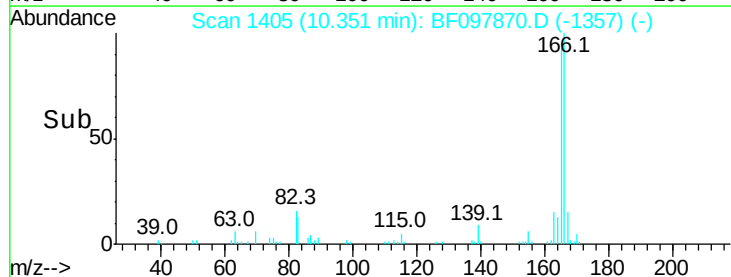
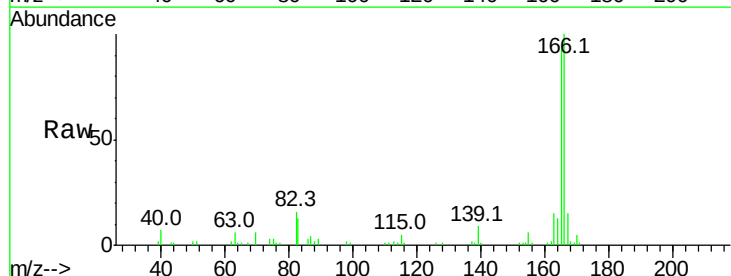
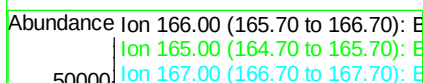
RT: 10.35 min Scan# 1405

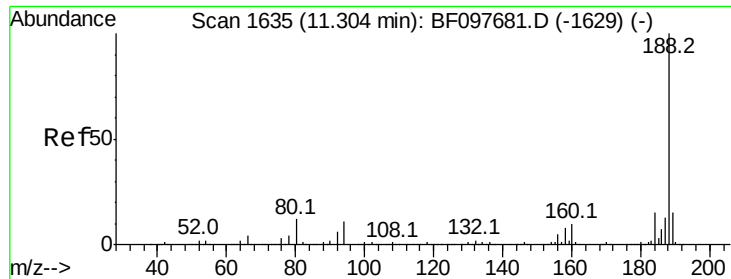
Delta R.T. -0.02 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Tgt Ion:	166	Resp:	34532
Ion Ratio	Lower	Upper	
166	100		
165	92.8	78.8	118.2
167	15.4	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: BF097870.D

Acq: 19 Aug 2017 9:20

Instrument :

BNA_F

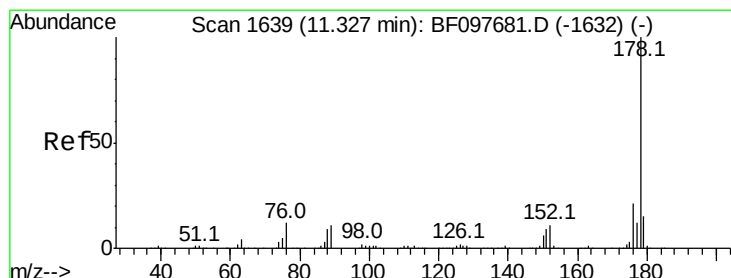
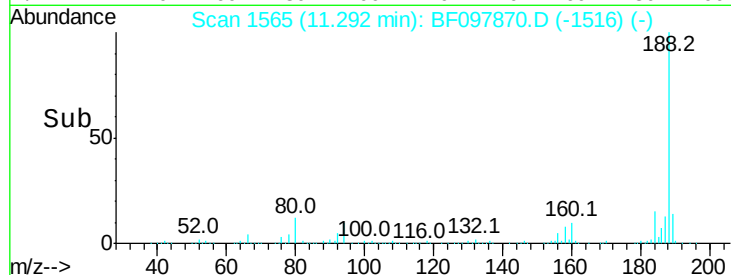
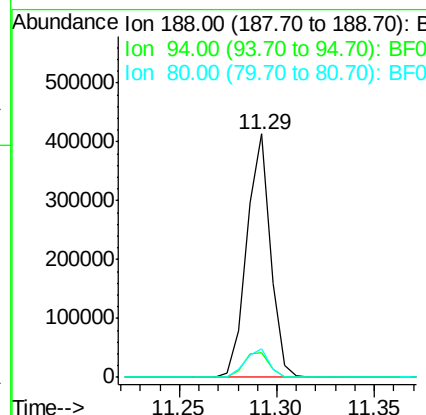
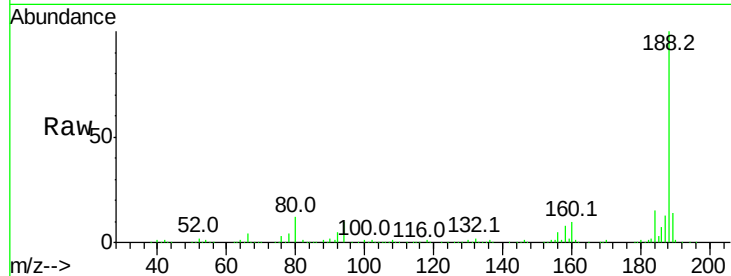
ClientSampled :

E2-110-BASE

Tot Ion:	188	Resp:	346612
Ion Ratio	Lower	Upper	
188	100		
94	10.3	9.4	14.2
80	11.6	10.2	15.2

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#70

Phenanthrene

Concen: 27.548 ng

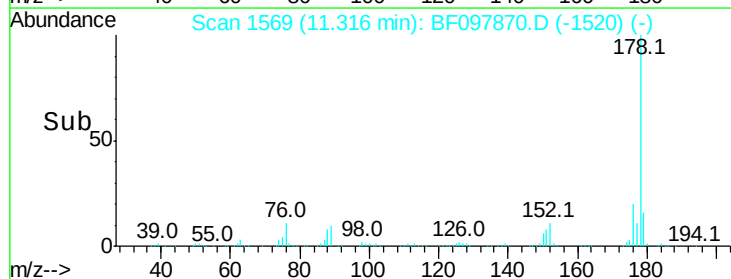
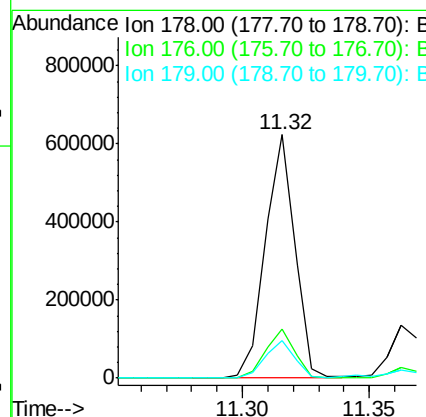
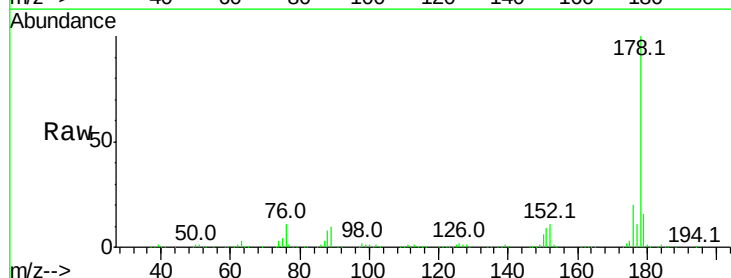
RT: 11.32 min Scan# 1569

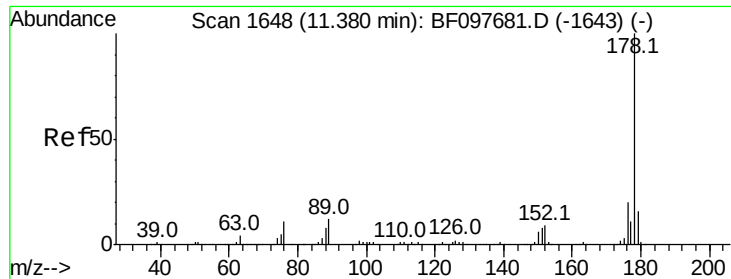
Delta R.T. -0.01 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Tgt Ion:	178	Resp:	508813
Ion Ratio	Lower	Upper	
178	100		
176	20.4	16.2	24.4
179	15.6	12.6	19.0





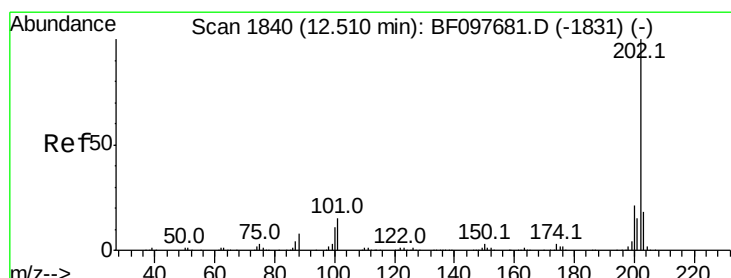
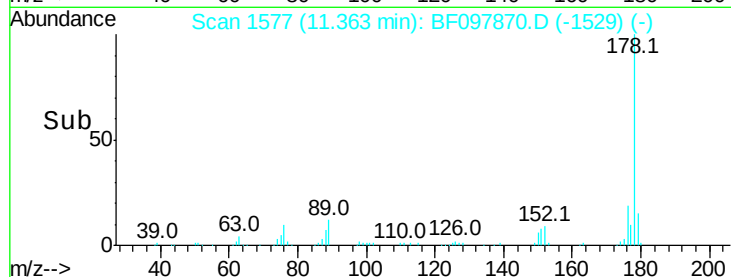
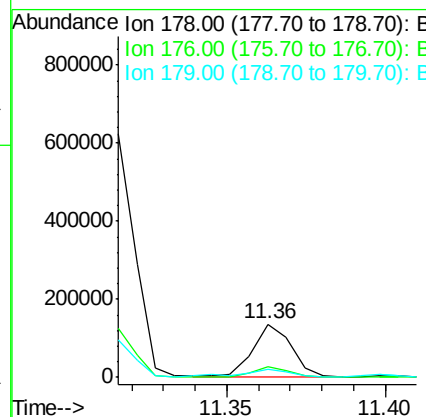
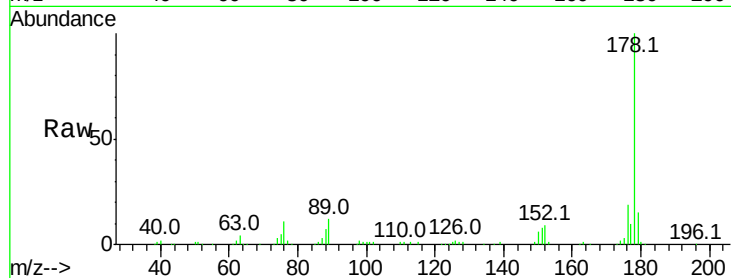
#71
 Anthracene
 Concen: 6.106 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF097870.D
 Acq: 19 Aug 2017 9:20

Instrument :
 BNA_F
 ClientSampleId :
 E2-110-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.3	12.7	19.1

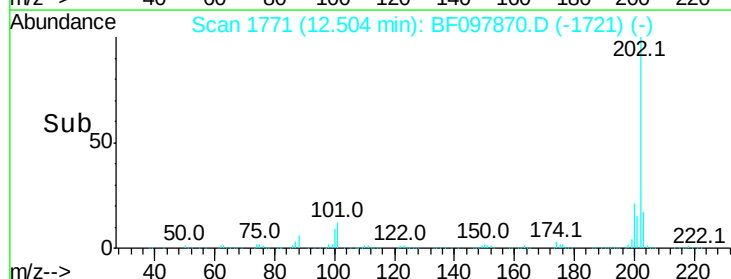
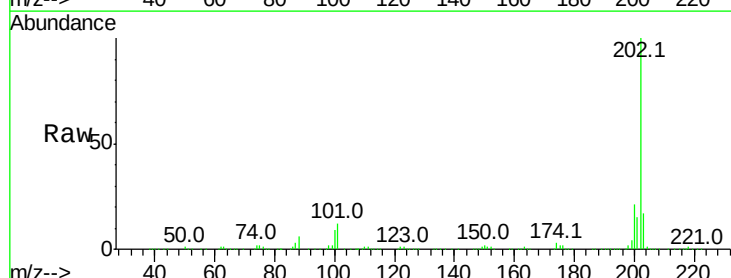
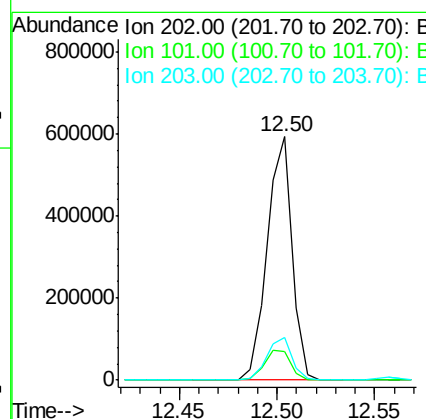
Manual Integrations
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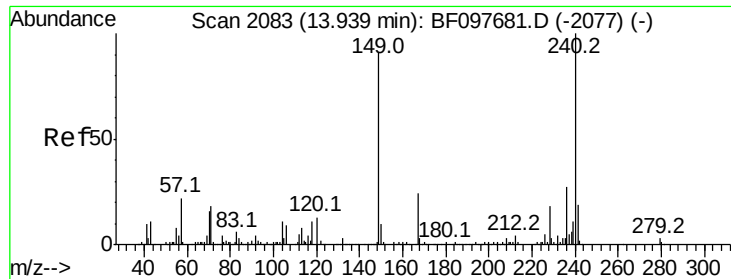
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#74
 Fluoranthene
 Concen: 27.091 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF097870.D
 Acq: 19 Aug 2017 9:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Instrument :

BNA_F

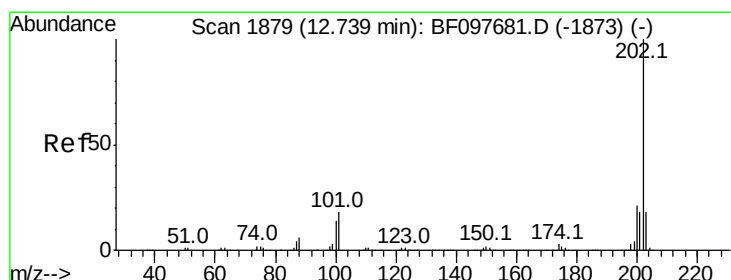
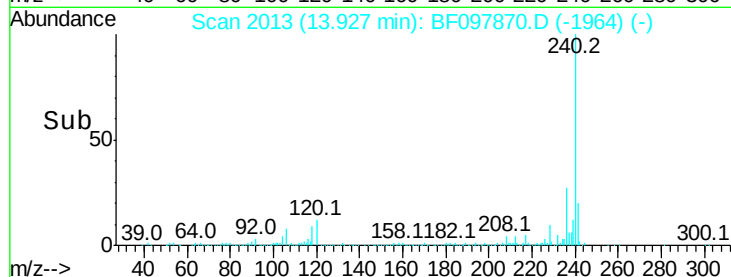
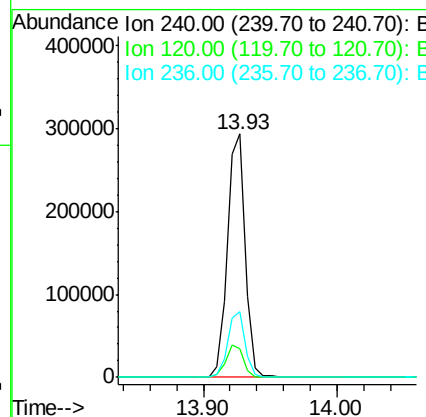
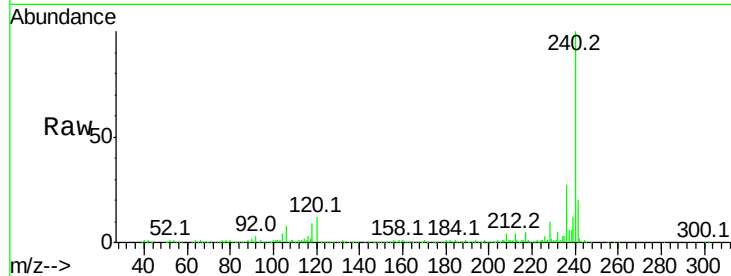
ClientSampleId :

E2-110-BASE

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	5.8	8.8#
236	26.9	20.5	30.7

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#77

Pyrene

Concen: 20.440 ng

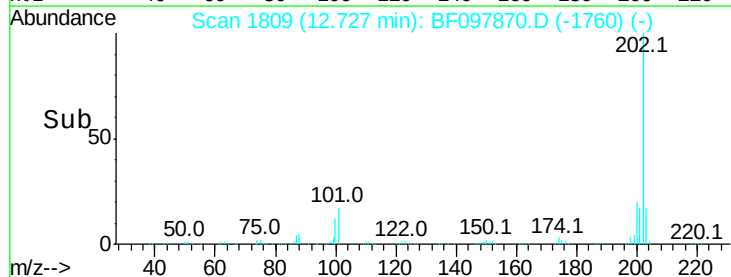
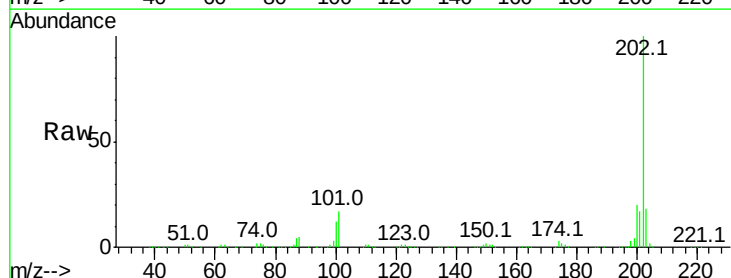
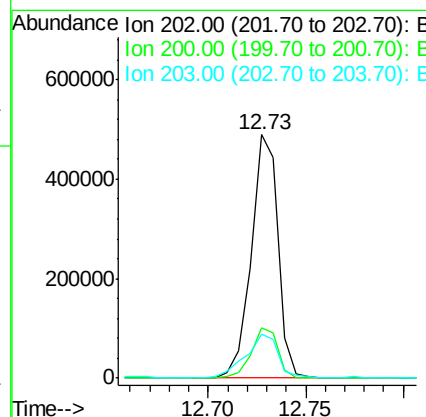
RT: 12.73 min Scan# 1809

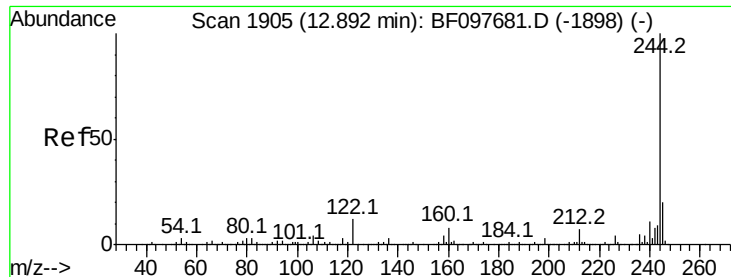
Delta R.T. -0.01 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	17.9	14.4	21.6





#78

Terphenyl-d14

Concen: 7.016 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Instrument :

BNA_F

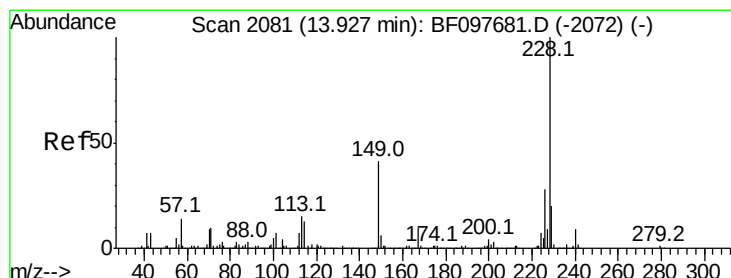
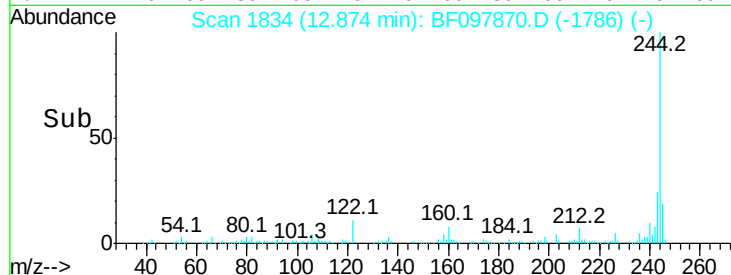
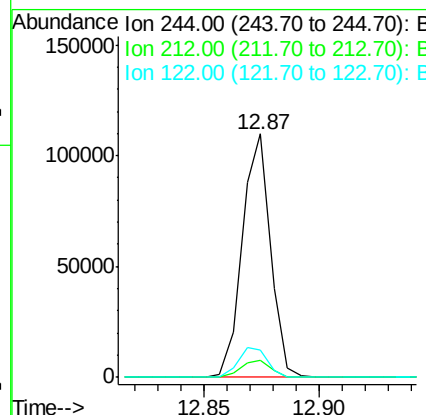
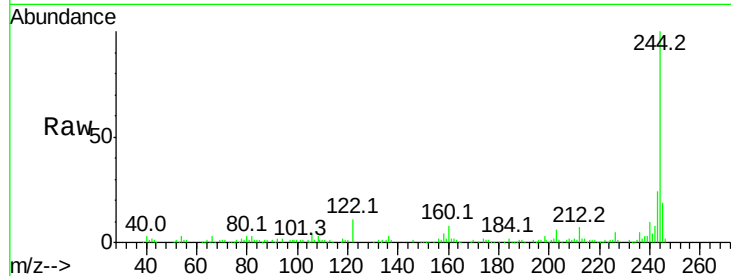
ClientSampled :

E2-110-BASE

Tot Ion:	244	Resp:	93362
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.0	9.0
122	11.5	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 11.805 ng

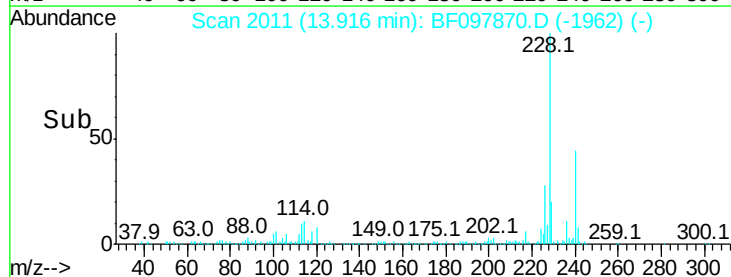
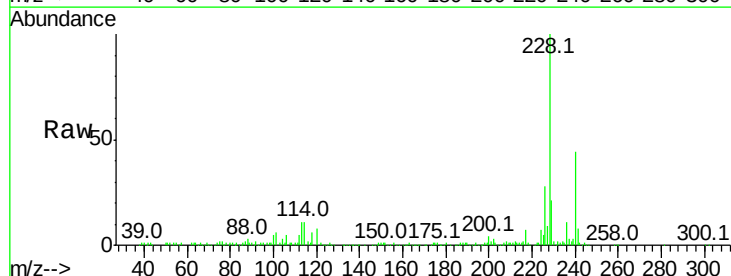
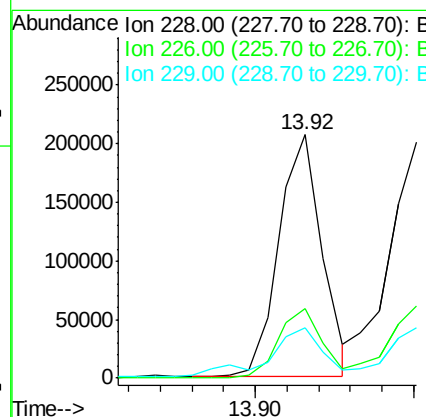
RT: 13.92 min Scan# 2011

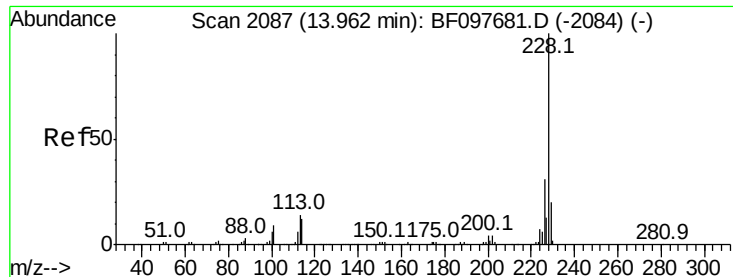
Delta R.T. -0.01 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Tgt Ion:	228	Resp:	196340
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.6	33.8
229	20.9	16.3	24.5





#82

Chrysene

Concen: 11.707 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Instrument :

BNA_F

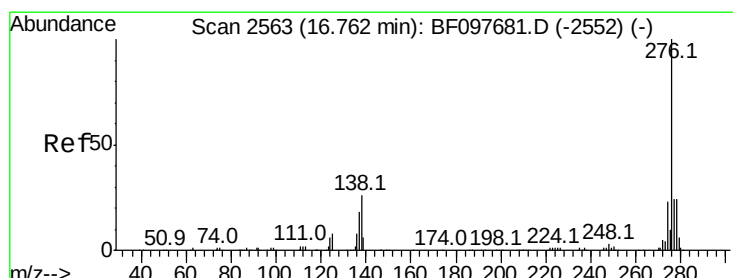
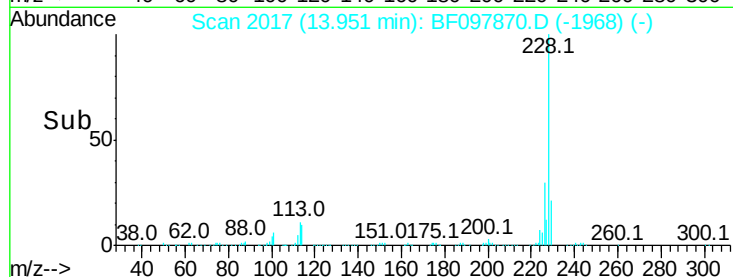
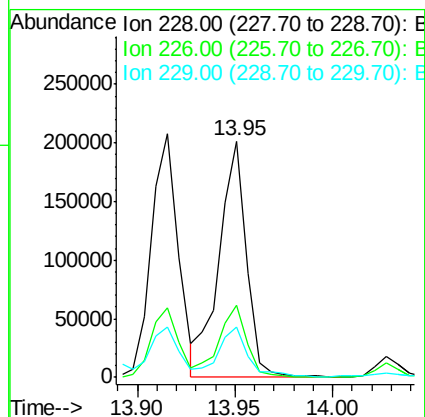
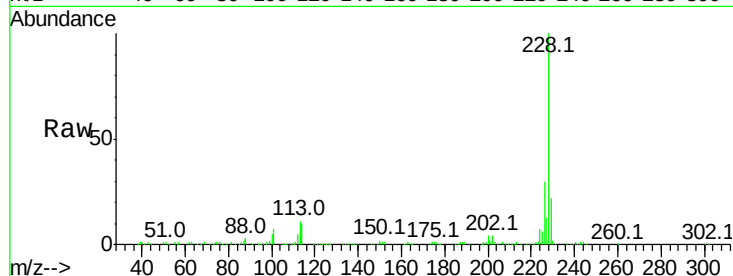
ClientSampled :

E2-110-BASE

Tot Ion:	228	Resp:	193684
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.9	37.3
229	21.6	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.970 ng

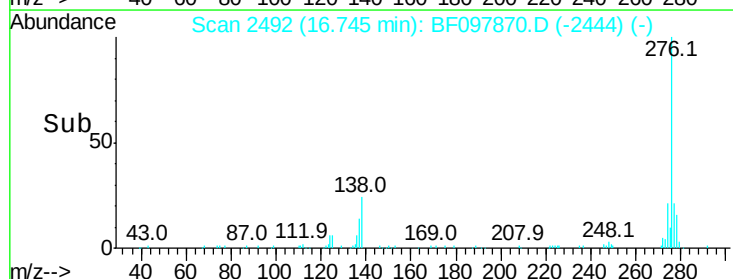
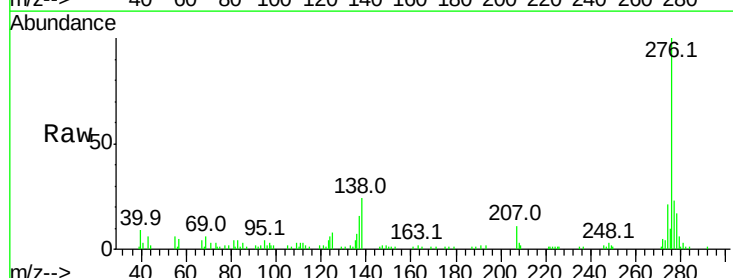
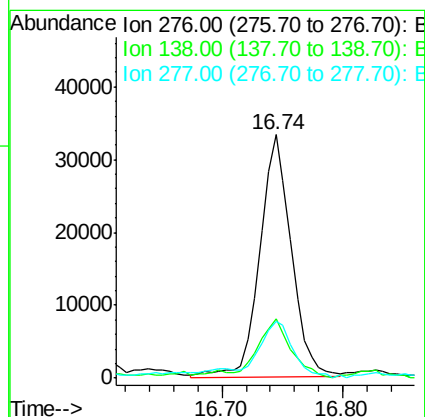
RT: 16.74 min Scan# 2492

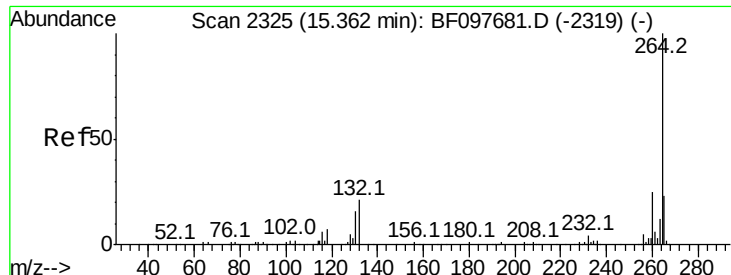
Delta R.T. -0.02 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Tgt Ion:	276	Resp:	60484
Ion Ratio	Lower	Upper	
276	100		
138	25.7	27.8	41.6#
277	25.2	20.2	30.4





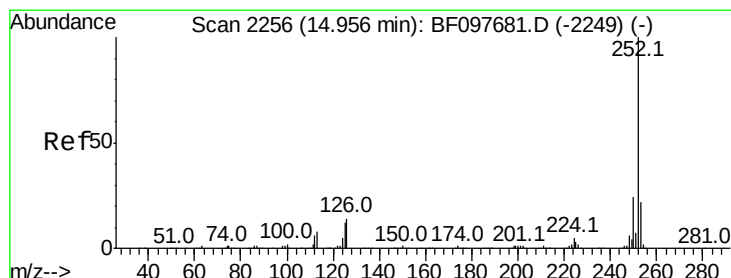
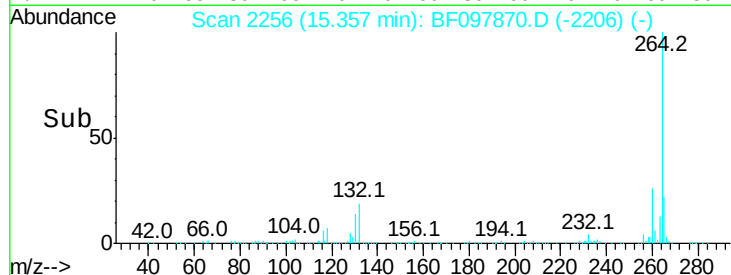
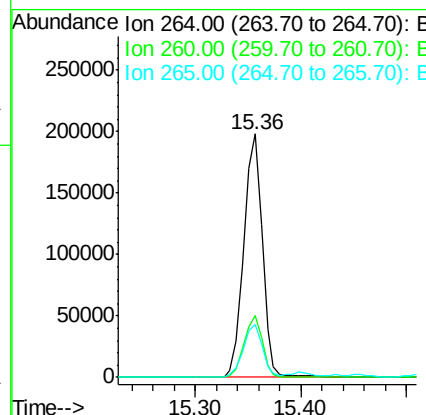
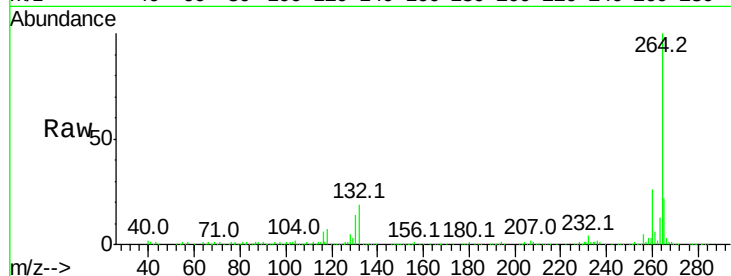
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Instrument :
BNA_F
ClientSampleId :
E2-110-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.5	29.3
265	21.8	17.2	25.8

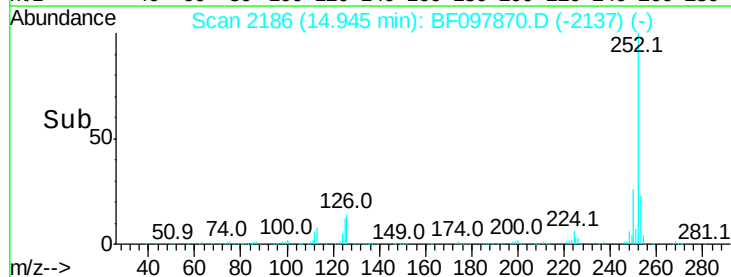
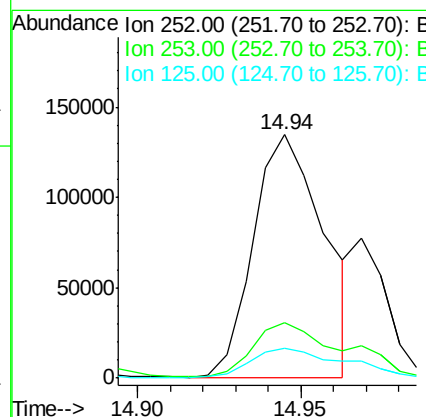
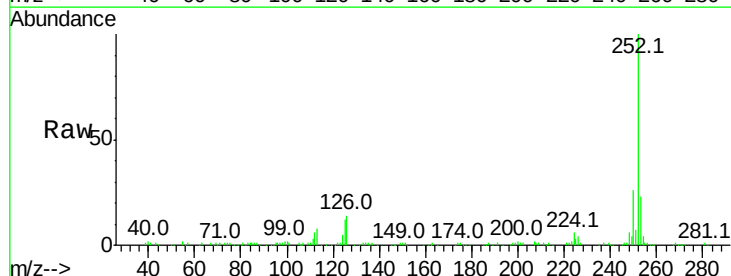
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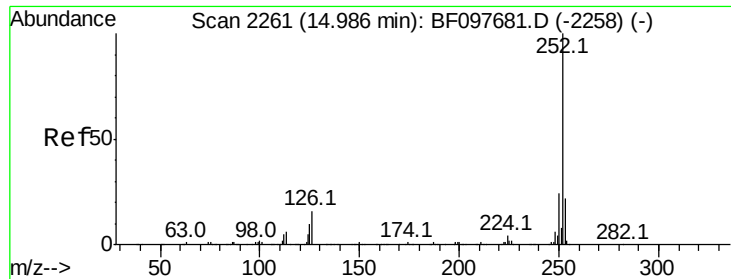
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#87
Benzo(b)fluoranthene
Concen: 13.435 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	12.2	9.8	14.8





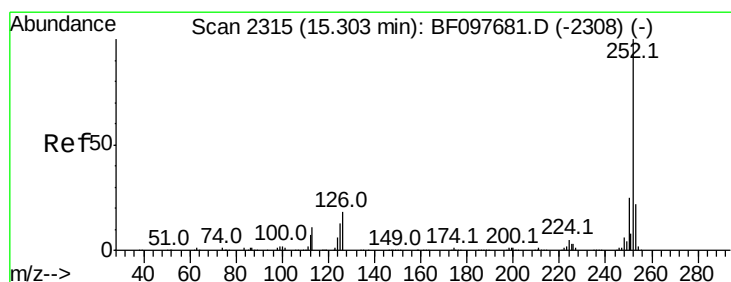
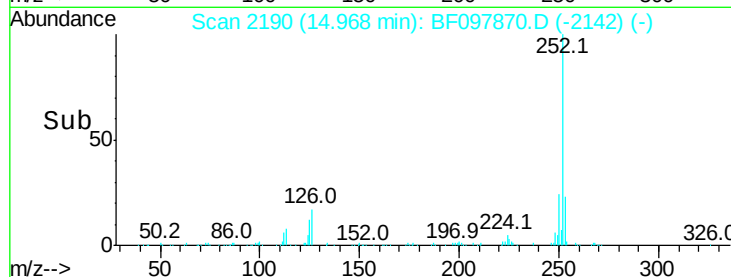
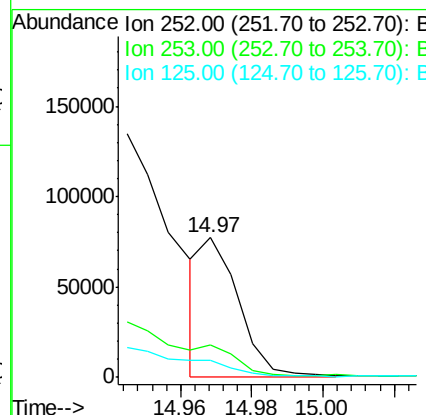
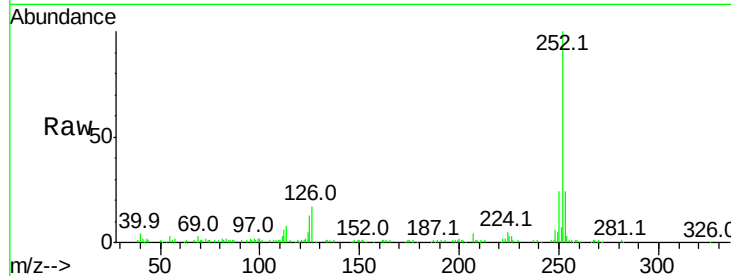
#88
Benzo(k)fluoranthene
Concen: 4.011 ng/mL
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Instrument :
BNA_F
ClientSampleId :
E2-110-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	12.6	13.1	19.7

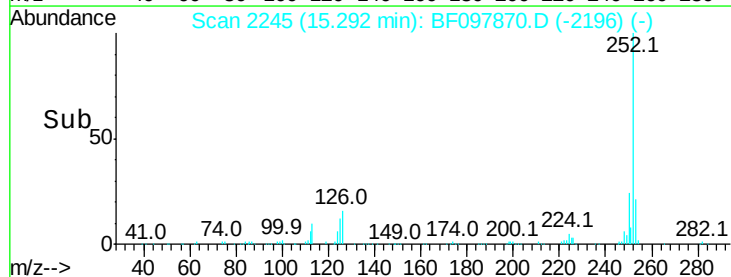
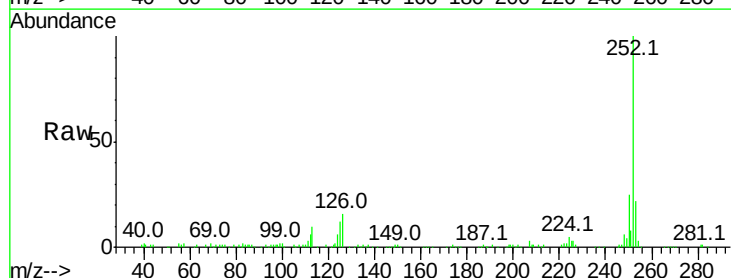
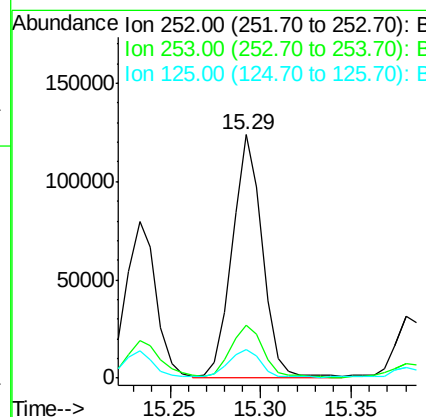
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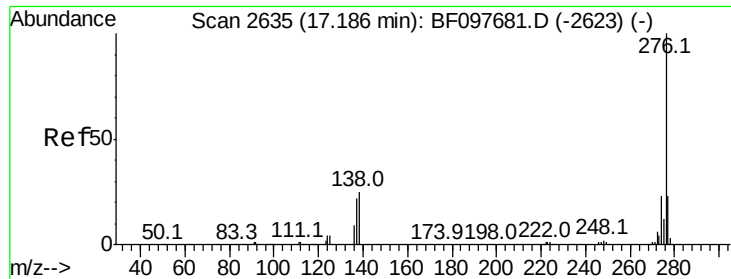
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#89
Benzo(a)pyrene
Concen: 10.550 ng/mL
RT: 15.29 min Scan# 2245
Delta R.T. -0.01 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.9	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.560 ng
 RT: 17.16 min Scan# 2563
 Delta R.T. -0.02 min
 Lab File: BF097870.D
 Acq: 19 Aug 2017 9:20

Instrument :
 BNA_F
 ClientSampleId :
 E2-I10-BASE

Tot Ion:	276	Resp:	51934
Ion Ratio		Lower	Upper
276	100		
277	25.5	18.6	28.0
138	25.1	25.4	38.0

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