

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098111.D
 Acq On : 29 Aug 2017 15:23
 Operator : SJ/JU
 Sample : I4959-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2321-RT2315-20-02-RB36575RE

Manual Integrations
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Sohil
 8/30/2017 6:44:57 PM

Quant Time: Aug 30 04:28:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	230887	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	947343	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	433702	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	750778	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	481025	20.00	ng	0.00
86) Perylene-d12	15.31	264	462878	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	870662	57.36	ng	0.00
7) Phenol-d6	6.37	99	1205676	58.46	ng	-0.01
23) Nitrobenzene-d5	7.30	82	760828	43.63	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	230325	61.21	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	1052111	35.64	ng	-0.02
78) Terphenyl-d14	12.84	244	682741	29.60	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.49	163	210481	6.639	ng	99
70) Phenanthrene	11.27	178	220849	5.520	ng	99
74) Fluoranthene	12.46	202	330150	7.906	ng	98
77) Pyrene	12.69	202	310187	7.884	ng	98
80) Benzo(a)anthracene	13.87	228	170561	5.916	ng	95
82) Chrysene	13.91	228	168534	5.877	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	118170m	5.601	ng	
87) Benzo(b)fluoranthene	14.90	252	229490m	7.866	ng	
88) Benzo(k)fluoranthene	14.93	252	84598m	3.086	ng	
89) Benzo(a)pyrene	15.24	252	184696	7.151	ng	99
91) Benzo(g,h,i)perylene	17.09	276	118215	5.388	ng	93

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

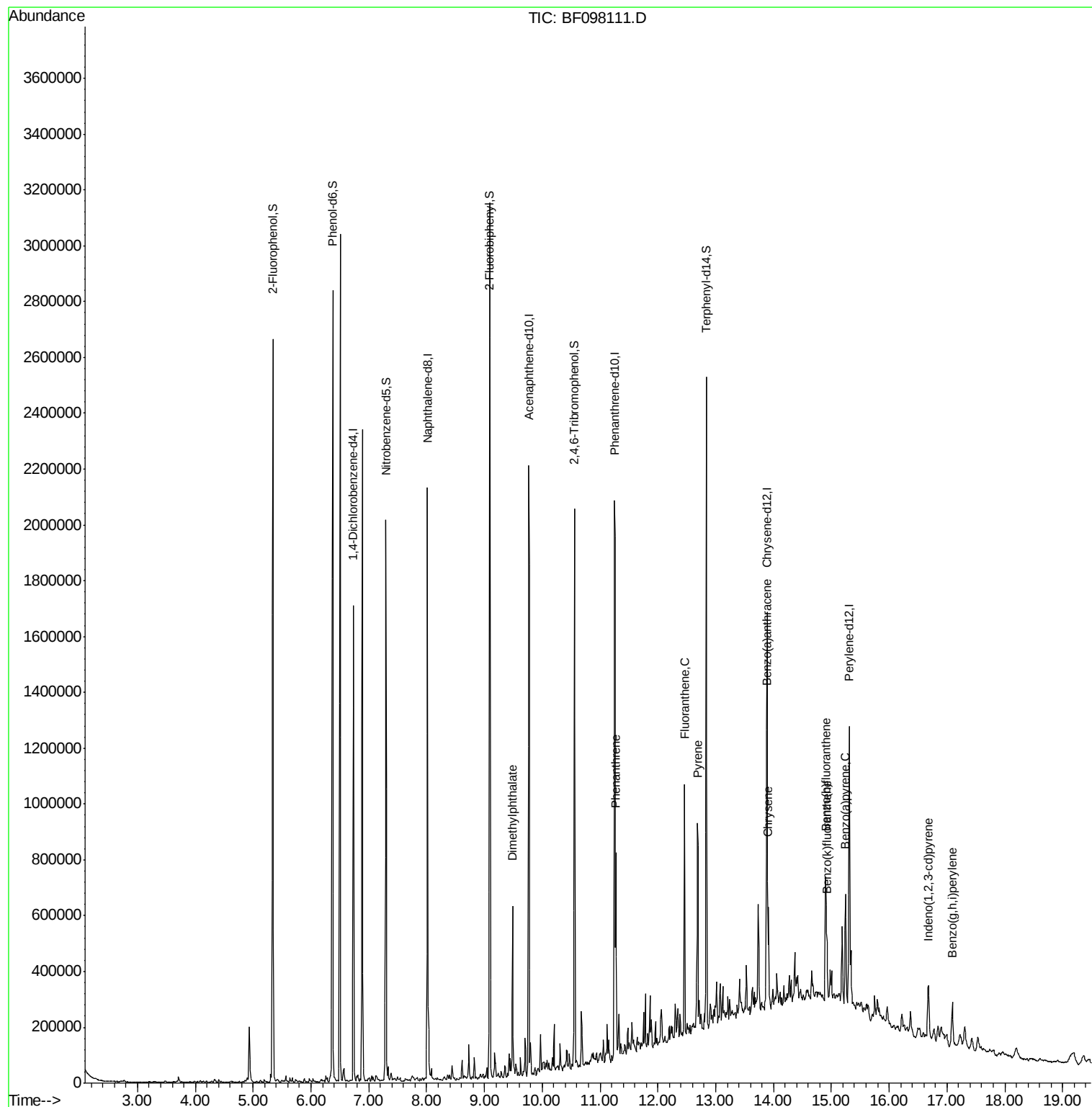
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
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Sample : I4959-01RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

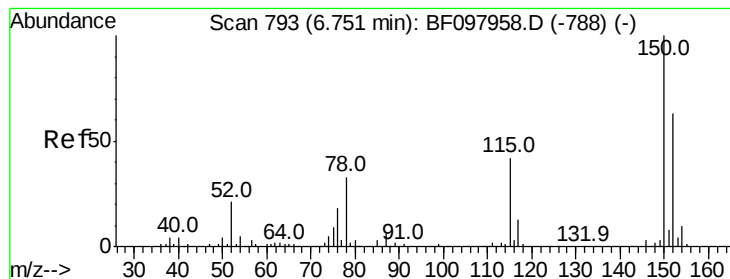
Instrument :
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ClientSampleId :
RT2321-RT2315-20-02-RB36575RE

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#1

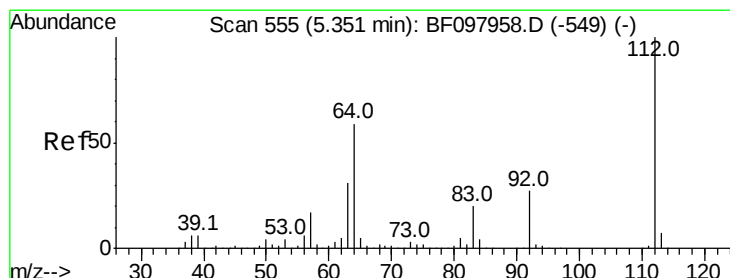
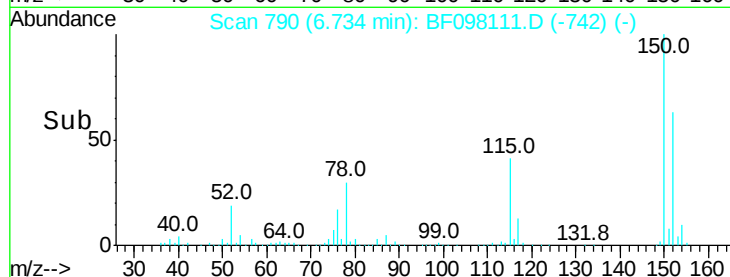
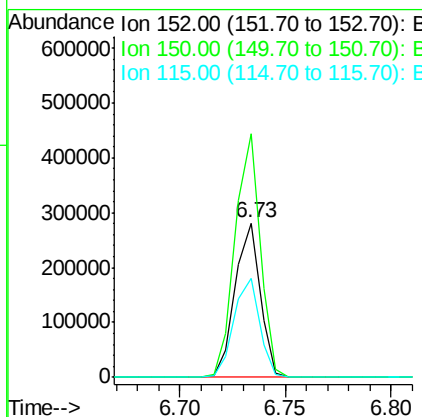
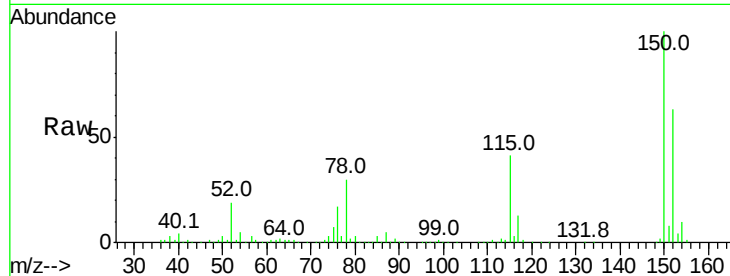
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098111.D
Acq: 29 Aug 2017 15:23

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	64.2	52.2	78.2

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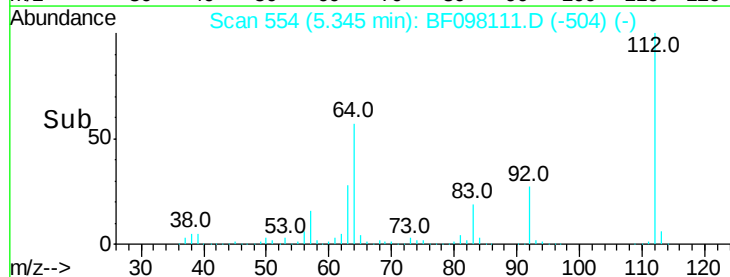
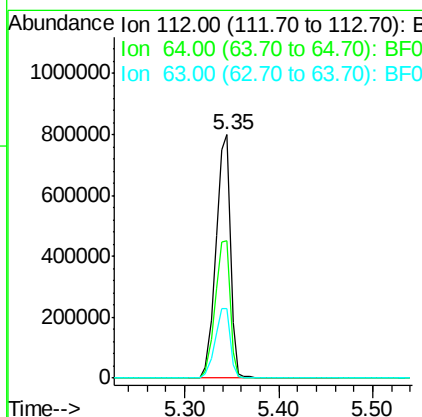
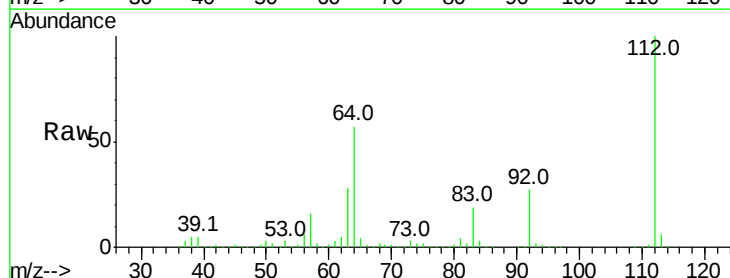
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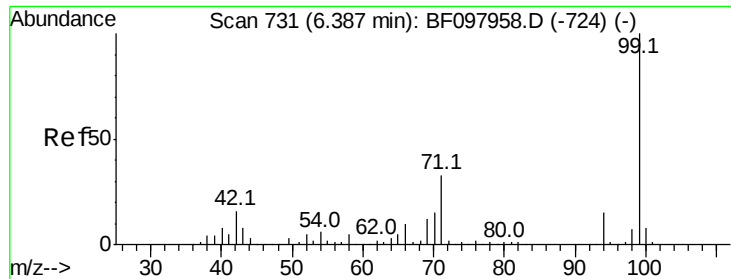


#5

2-Fluorophenol
Concen: 57.359 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098111.D
Acq: 29 Aug 2017 15:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	46.0	69.0
63	28.5	23.4	35.0





#7

Phenol-d6

Concen: 58.459 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Instrument :

BNA_F

ClientSampleId :

RT2321-RT2315-20-02-RB36575RE

Tot Ion: 99 Resp: 1205676

Ion Ratio Lower Upper

99 100

42 14.7 13.5 20.3

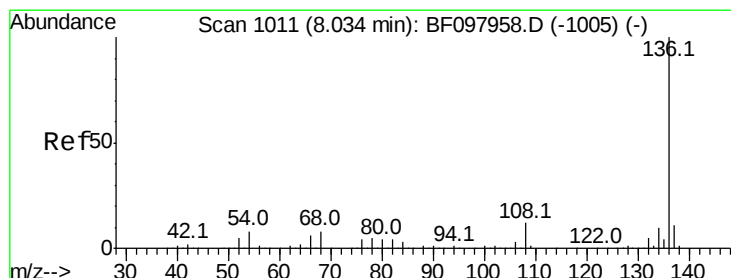
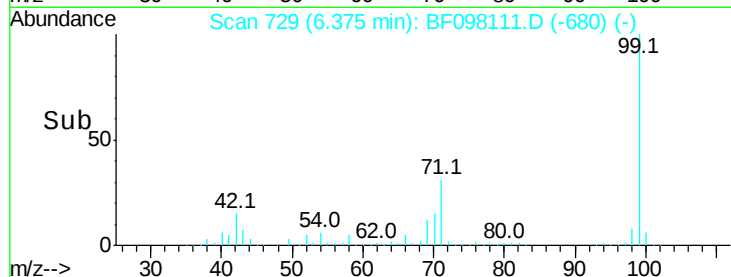
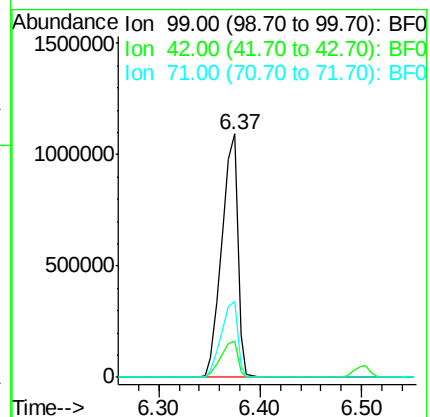
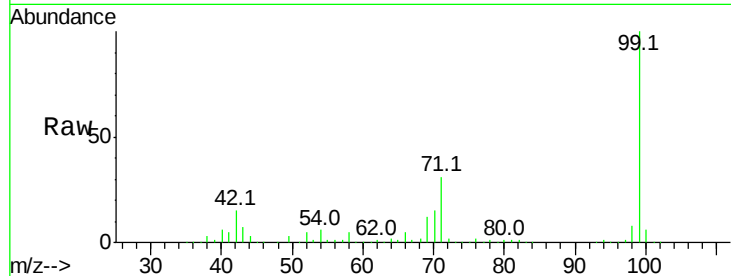
71 31.2 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Tgt Ion: 136 Resp: 947343

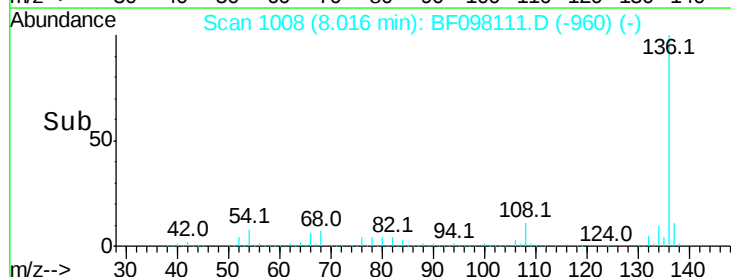
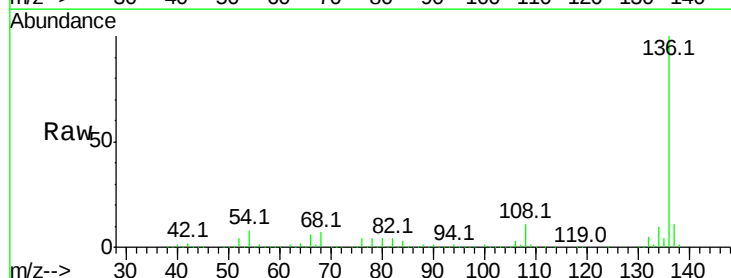
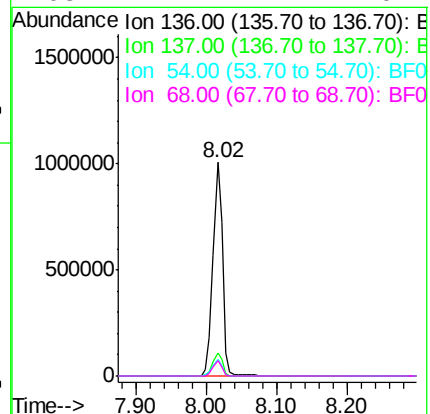
Ion Ratio Lower Upper

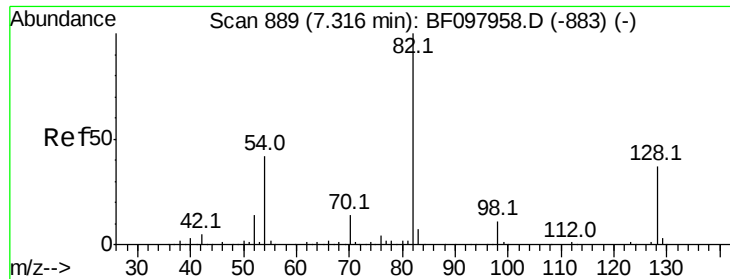
136 100

137 11.0 8.5 12.7

54 7.7 4.9 7.3#

68 7.4 4.1 6.1#





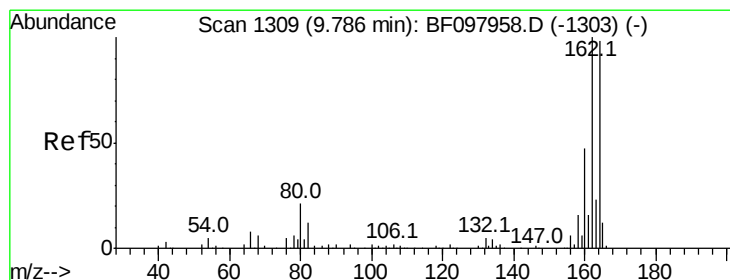
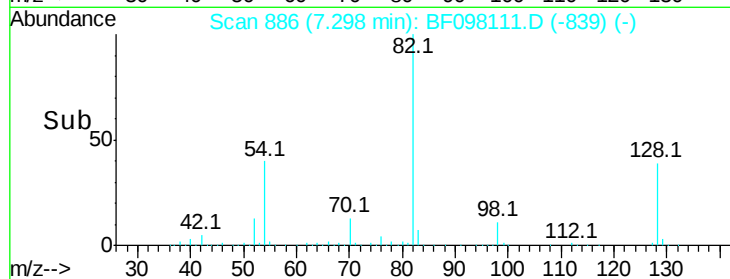
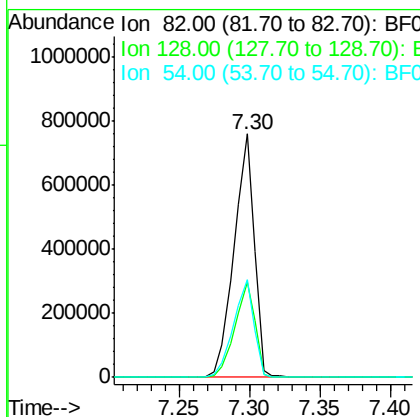
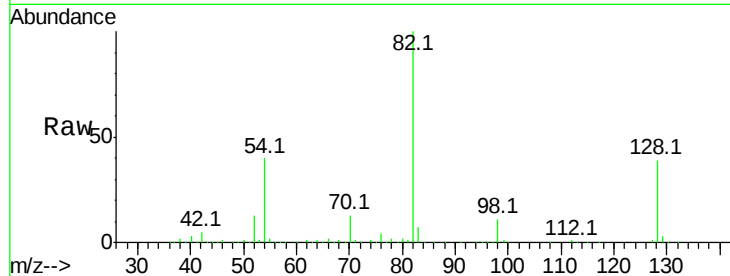
#23
 Nitrobenzene-d5
 Concen: 43.629 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.02 min
 Lab File: BF098111.D
 Acq: 29 Aug 2017 15:23

Instrument :
 BNA_F
 ClientSampleId :
 RT2321-RT2315-20-02-RB36575RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.9	34.0	51.0
54	40.4	42.2	63.2

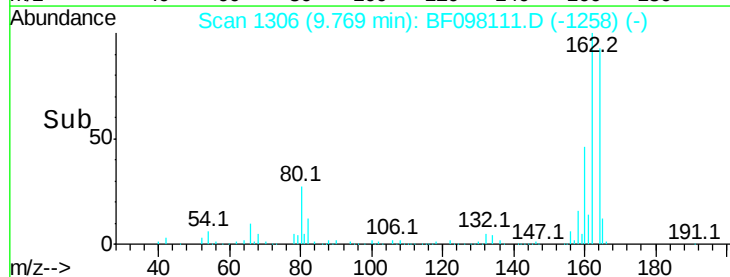
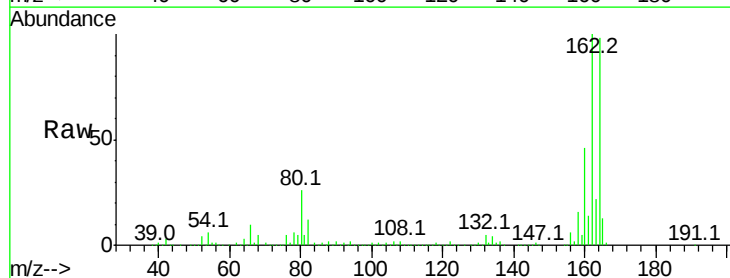
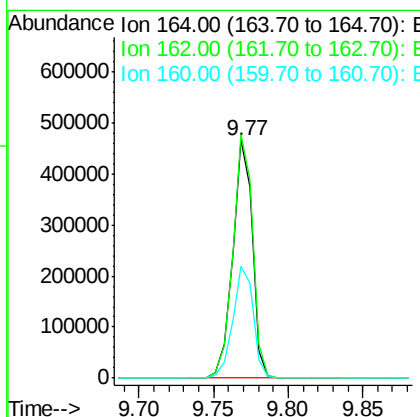
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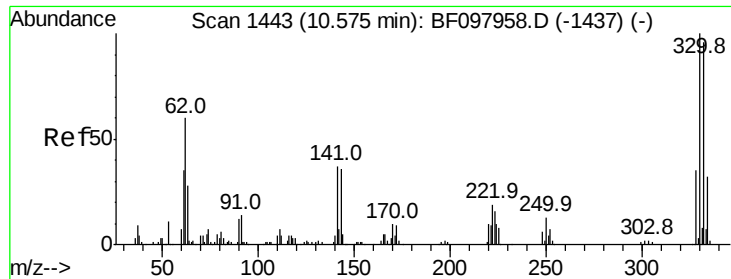
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF098111.D
 Acq: 29 Aug 2017 15:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	123.8
160	46.9	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 61.207 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.02 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Instrument :

BNA_F

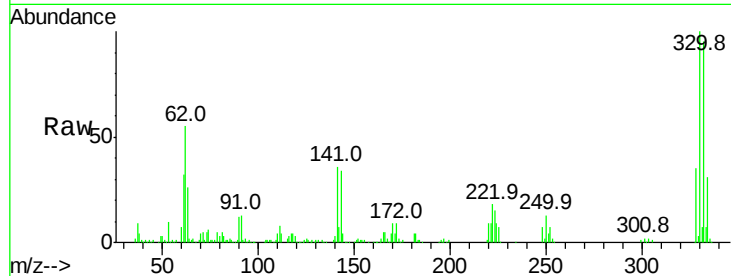
ClientSampleId :

RT2321-RT2315-20-02-RB36575RE

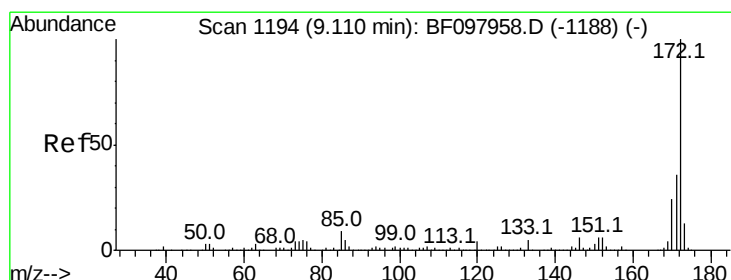
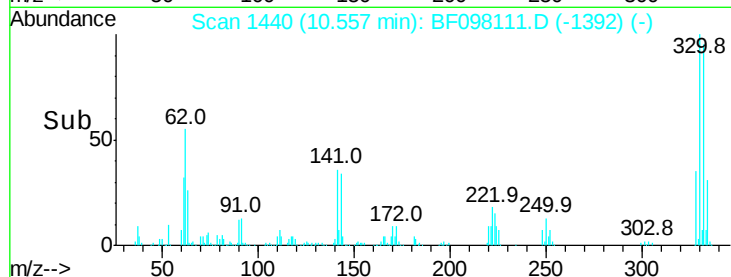
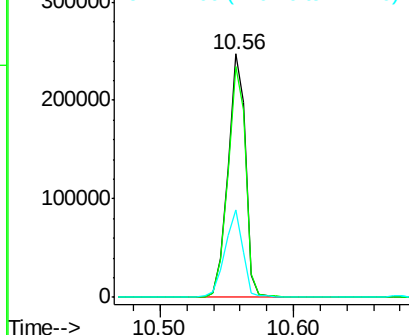
Tot Ion:	330	Resp:	230325
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.6	115.0
141	36.6	31.4	47.2

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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: 35.641 ng

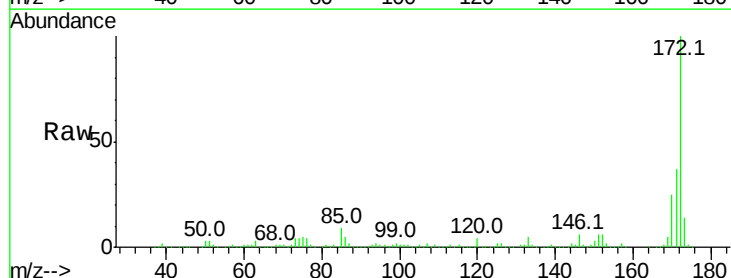
RT: 9.09 min Scan# 1191

Delta R.T. -0.02 min

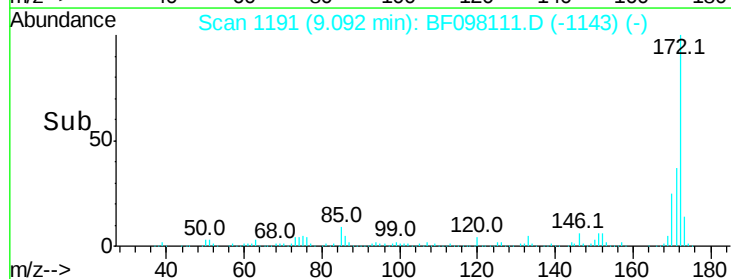
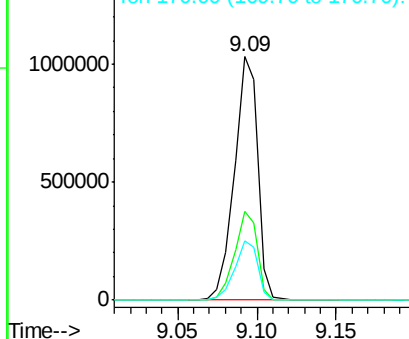
Lab File: BF098111.D

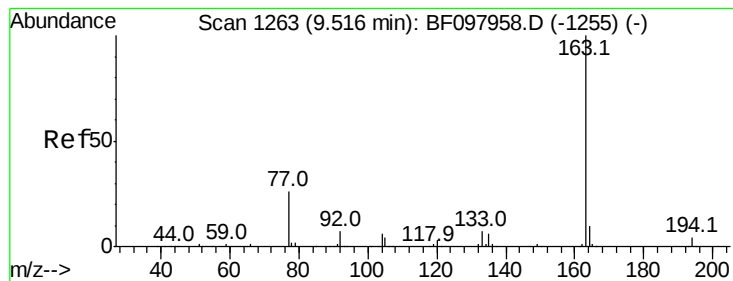
Acq: 29 Aug 2017 15:23

Tgt Ion:	172	Resp:	1052111
Ion Ratio	Lower	Upper	
172	100		
171	36.7	29.6	44.4
170	24.6	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: 6.639 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.03 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Instrument :

BNA_F

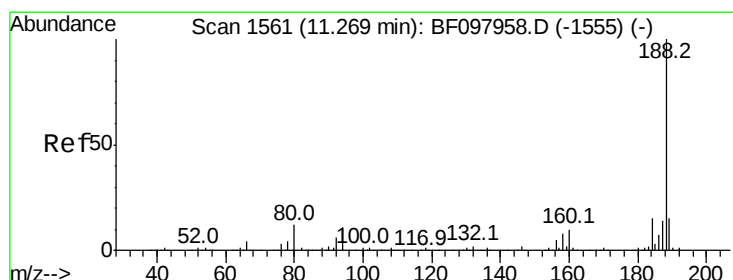
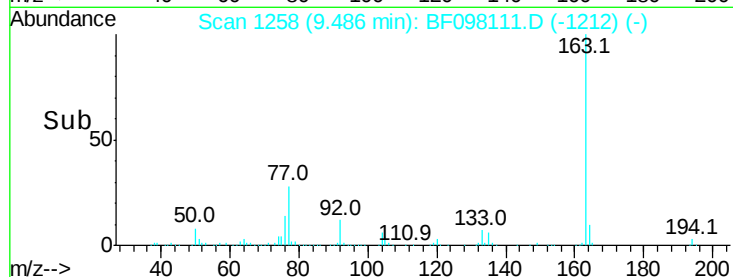
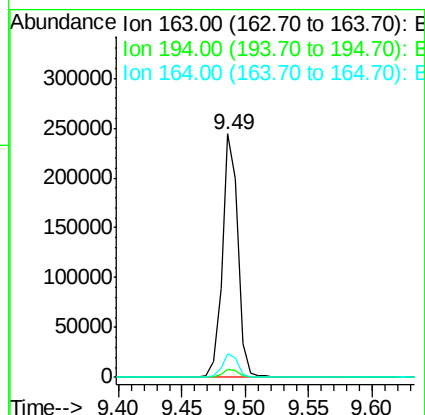
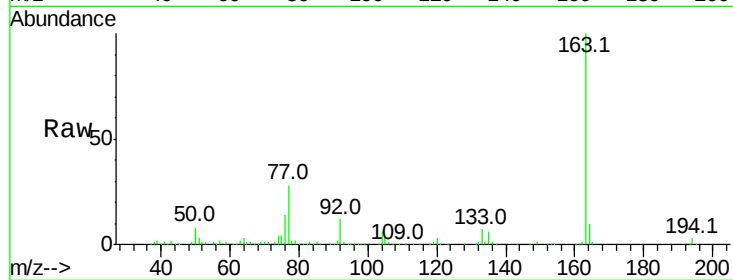
ClientSampleId :

RT2321-RT2315-20-02-RB36575RE

Tot Ion:	163	Resp:	210481
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.6	4.0
164	9.9	8.4	12.6

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#63

Phenanthrene-d10

Concen: 20.000 ng

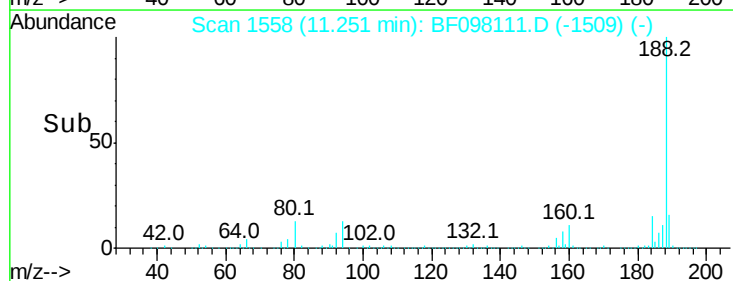
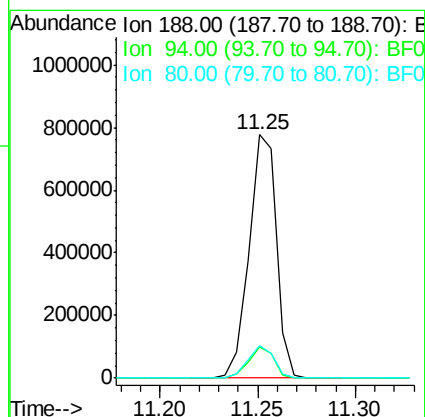
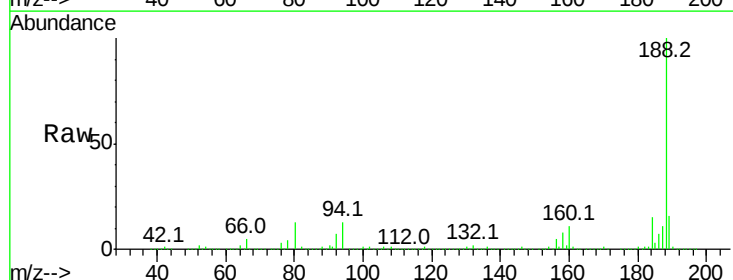
RT: 11.25 min Scan# 1558

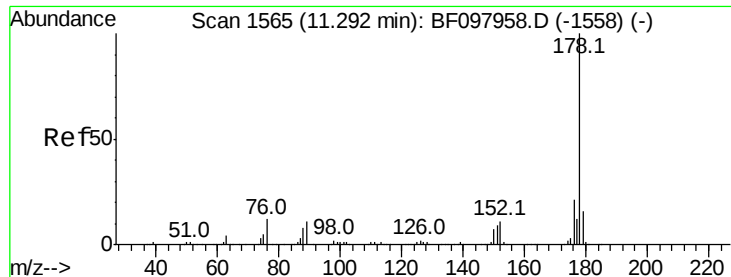
Delta R.T. -0.01 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Tgt Ion:	188	Resp:	750778
Ion Ratio	Lower	Upper	
188	100		
94	12.7	9.4	14.2
80	13.3	10.2	15.2





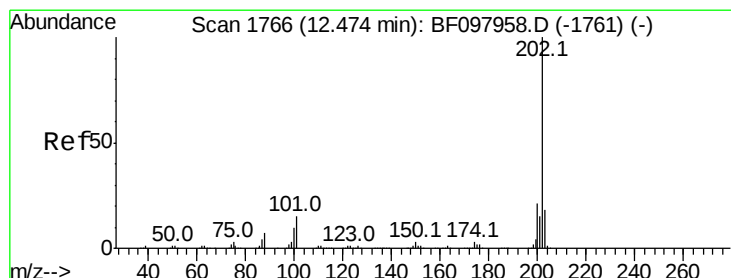
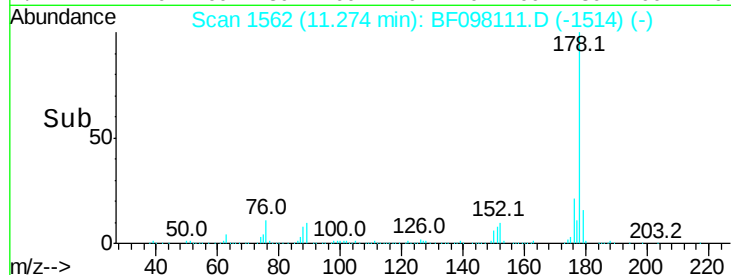
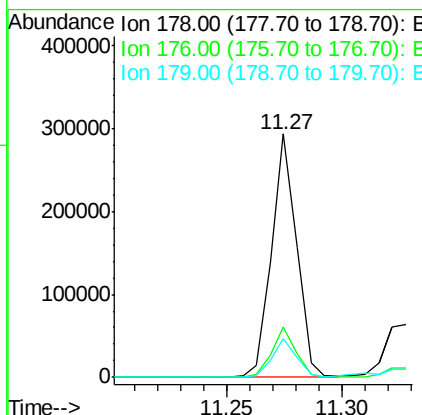
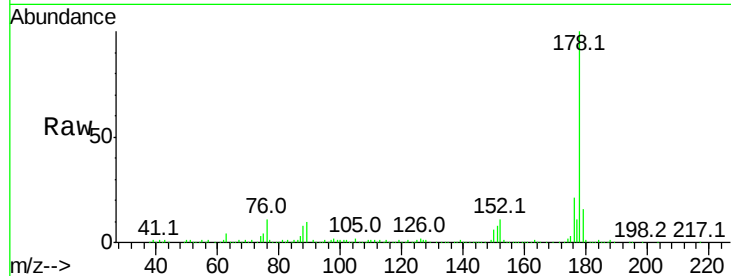
#70
Phenanthrene
Concen: 5.520 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF098111.D
Acq: 29 Aug 2017 15:23

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.2	24.4
179	15.7	12.6	19.0

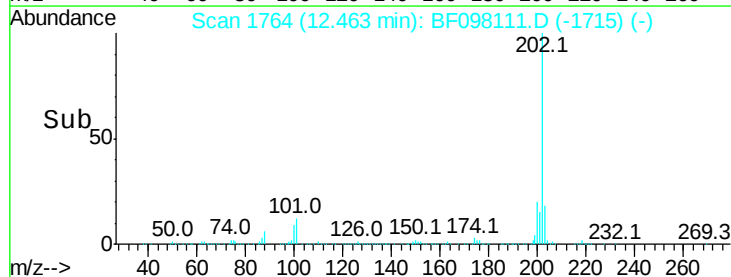
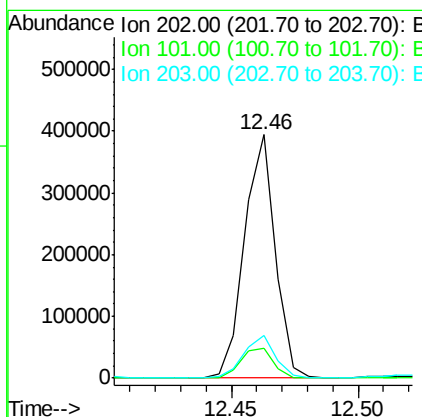
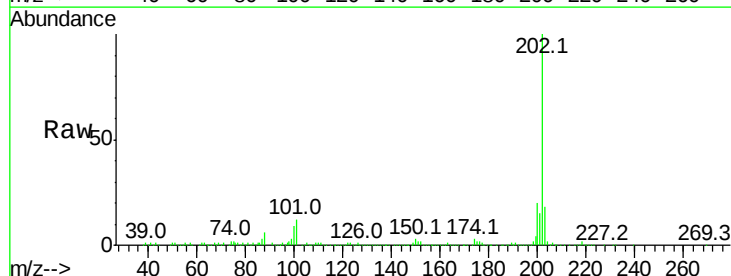
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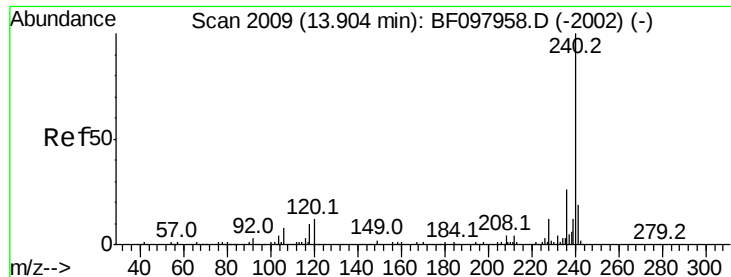
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#74
Fluoranthene
Concen: 7.906 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF098111.D
Acq: 29 Aug 2017 15:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Instrument :

BNA_F

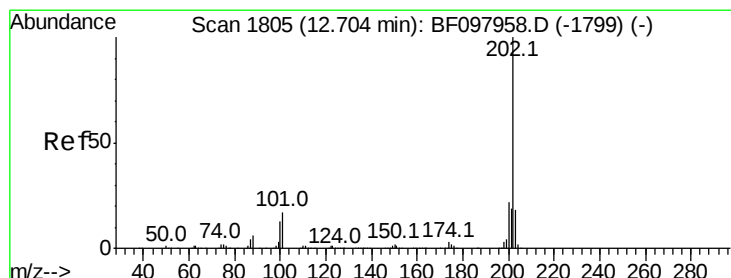
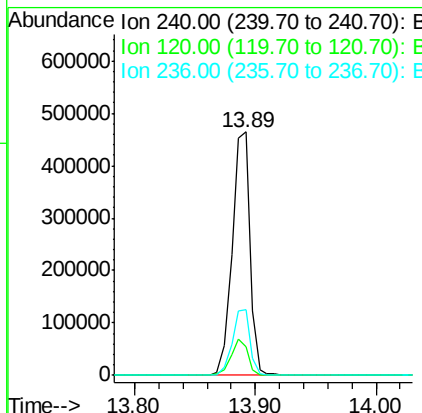
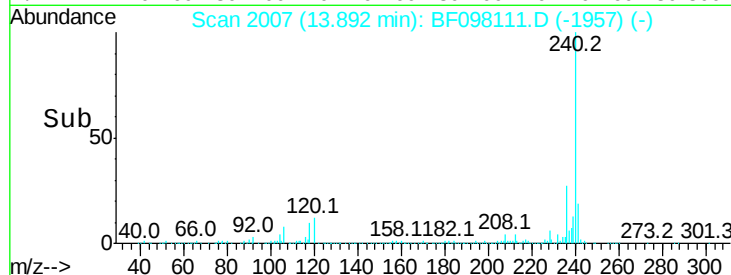
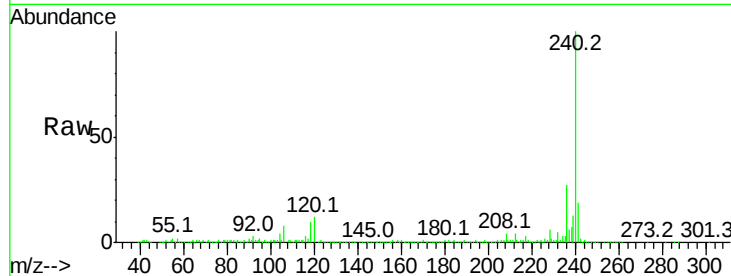
ClientSampleId :

RT2321-RT2315-20-02-RB36575RE

Tot Ion:	240	Resp:	481025
Ion Ratio	Lower	Upper	
240	100		
120	11.7	5.8	8.8#
236	26.9	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 7.884 ng

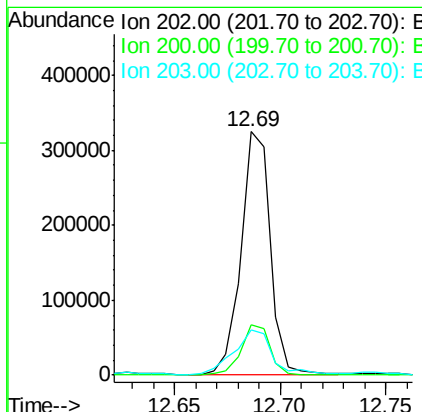
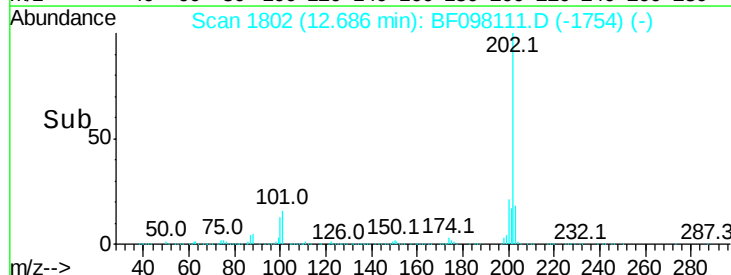
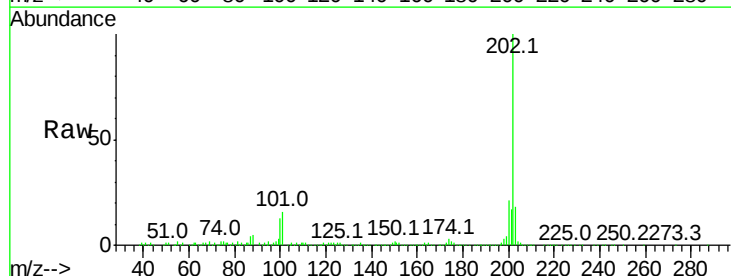
RT: 12.69 min Scan# 1802

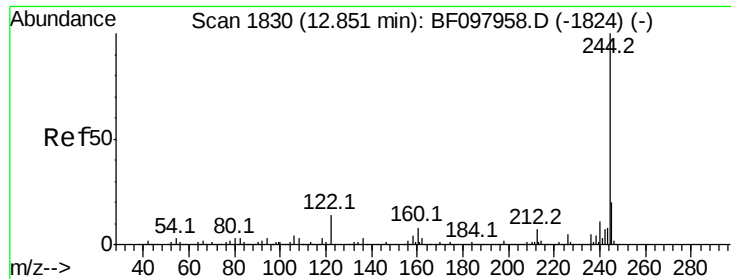
Delta R.T. -0.02 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Tgt Ion:	202	Resp:	310187
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.6	26.4
203	18.4	14.4	21.6





#78

Terphenyl-d14

Concen: 29.598 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Instrument :

BNA_F

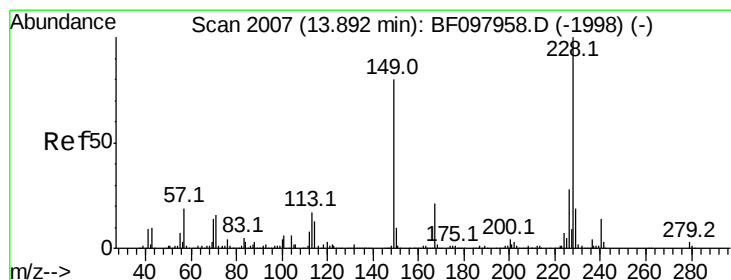
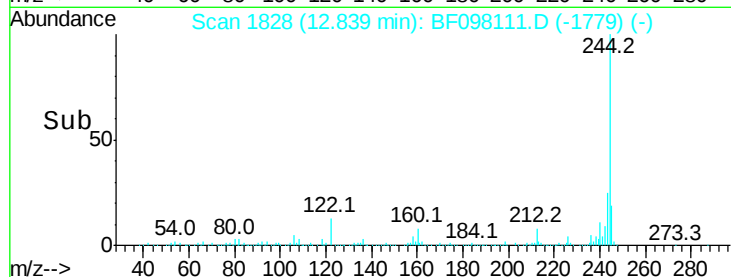
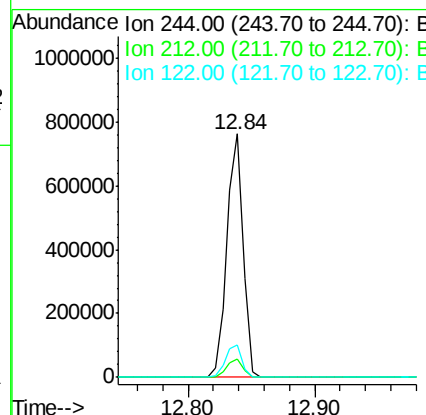
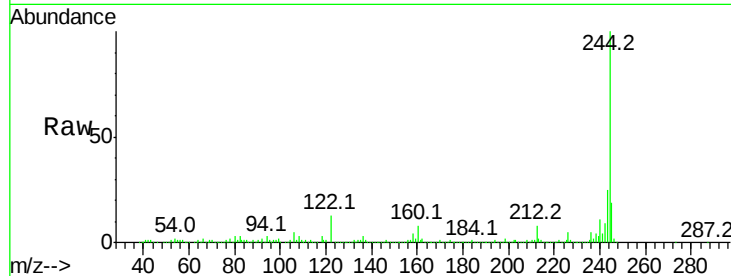
ClientSampleId :

RT2321-RT2315-20-02-RB36575RE

Tot Ion:	244	Resp:	682741
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.0	9.0
122	13.1	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 5.916 ng

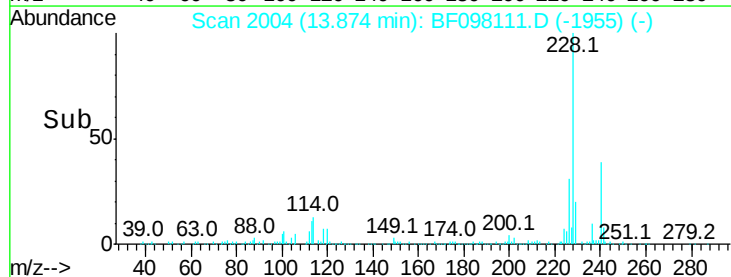
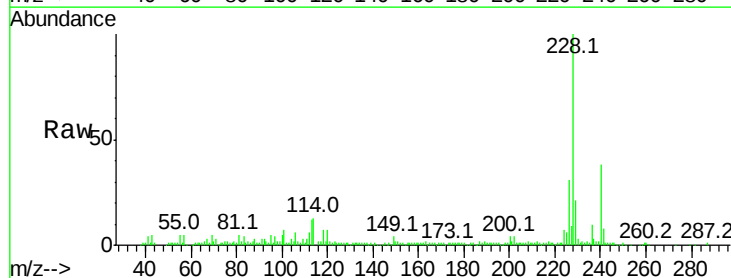
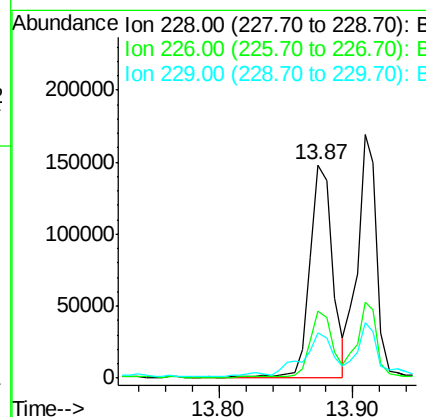
RT: 13.87 min Scan# 2004

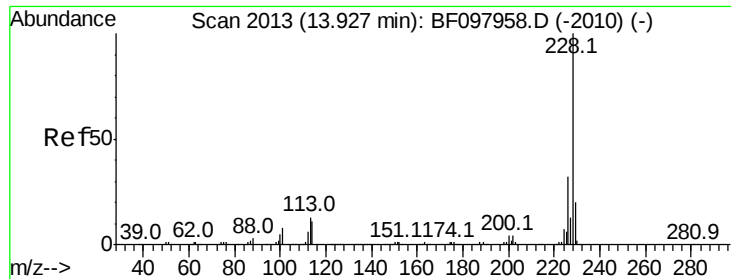
Delta R.T. -0.01 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Tgt Ion:	228	Resp:	170561
Ion Ratio	Lower	Upper	
228	100		
226	31.4	22.6	33.8
229	21.4	16.3	24.5





#82

Chrysene

Concen: 5.877 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Instrument :

BNA_F

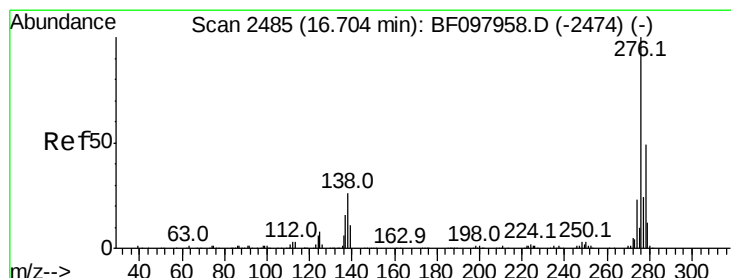
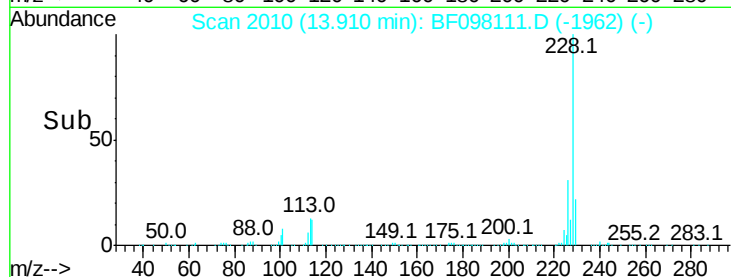
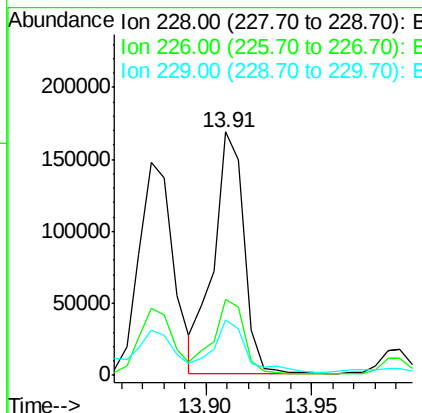
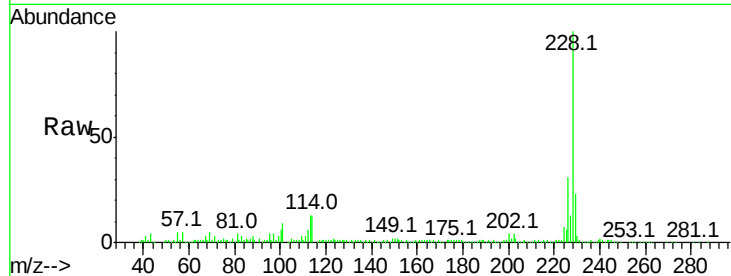
ClientSampleId :

RT2321-RT2315-20-02-RB36575RE

Tot Ion:	228	Resp:	168534
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.9	37.3
229	22.8	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.601 ng m

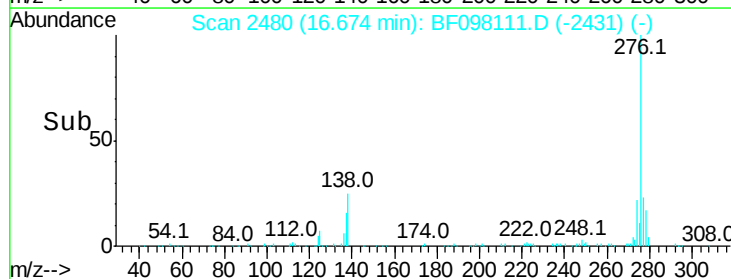
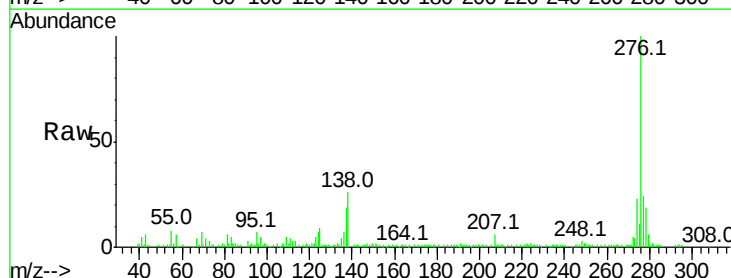
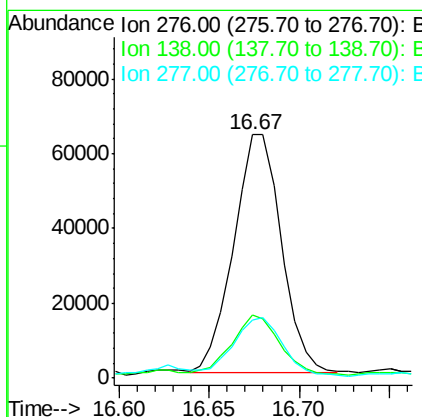
RT: 16.67 min Scan# 2480

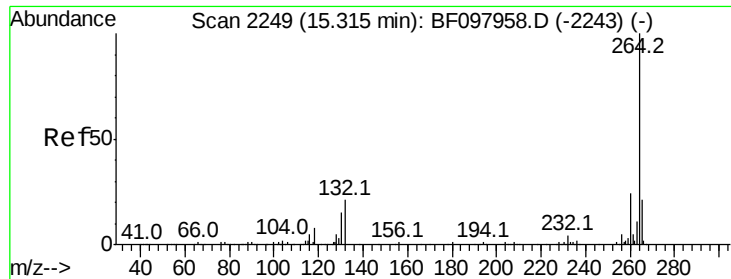
Delta R.T. -0.01 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Tgt Ion:	276	Resp:	118170
Ion Ratio	Lower	Upper	
276	100		
138	5.6	27.8	41.6#
277	4.4	20.2	30.4#





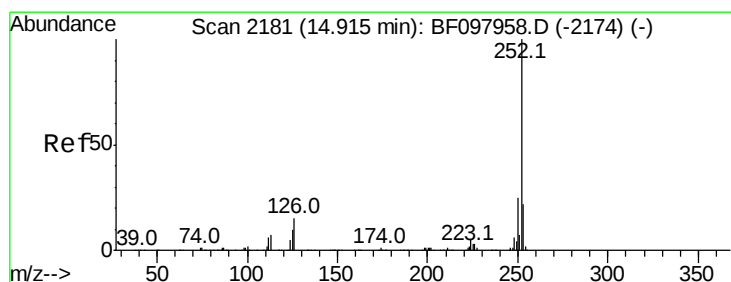
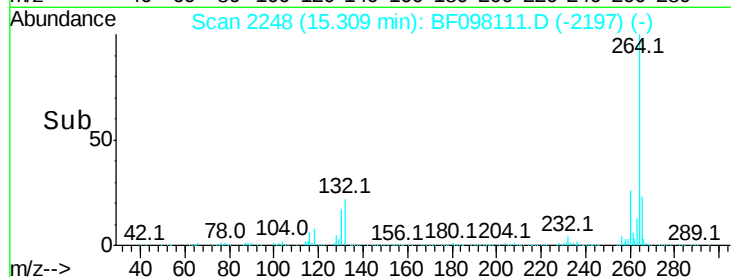
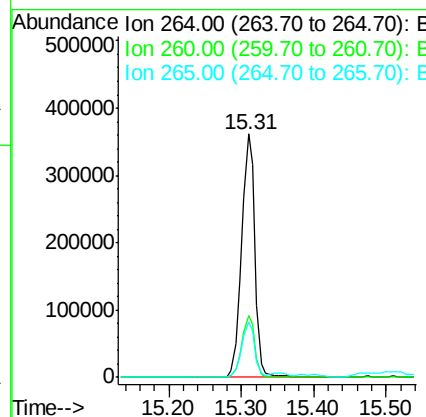
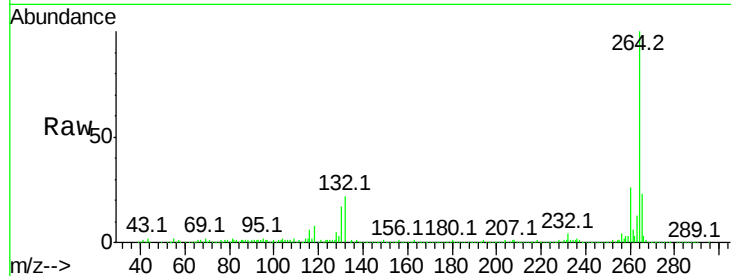
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.00 min
Lab File: BF098111.D
Acq: 29 Aug 2017 15:23

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.5	29.3
265	22.8	17.2	25.8

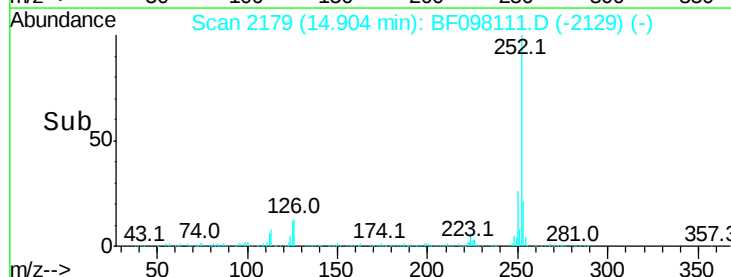
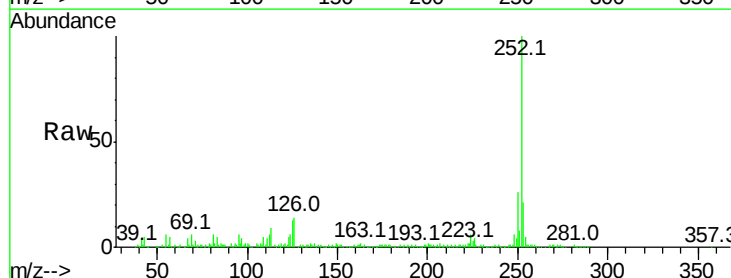
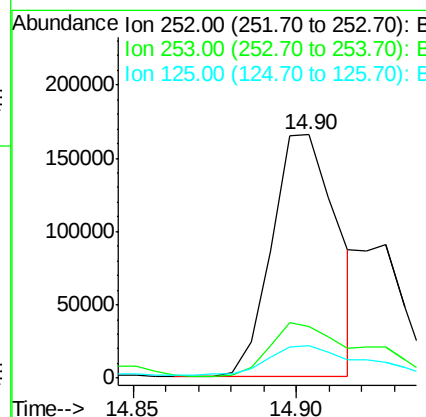
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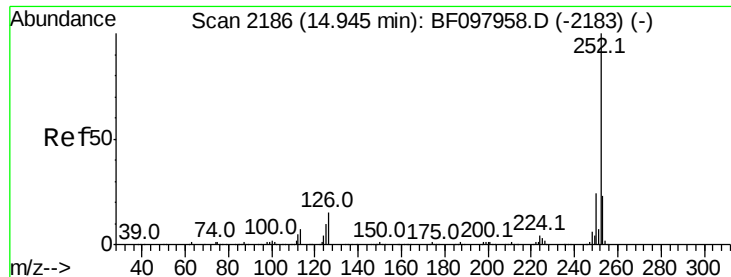
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#87
Benzo(b)fluoranthene
Concen: 7.866 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF098111.D
Acq: 29 Aug 2017 15:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	13.2	9.8	14.8





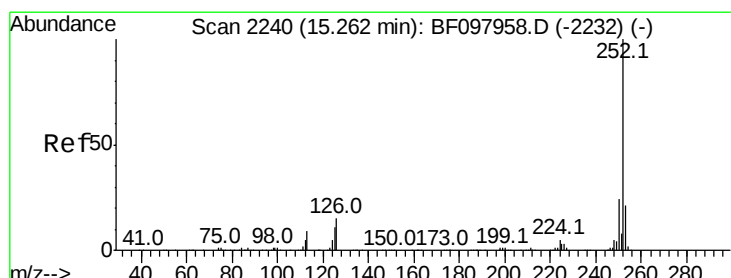
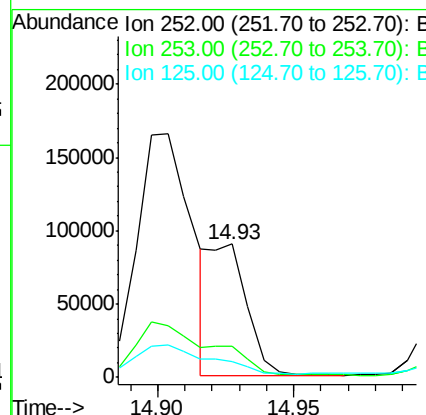
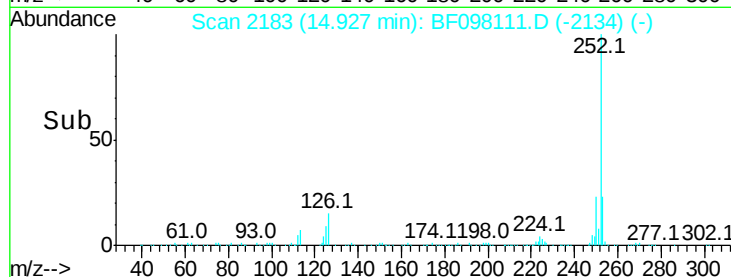
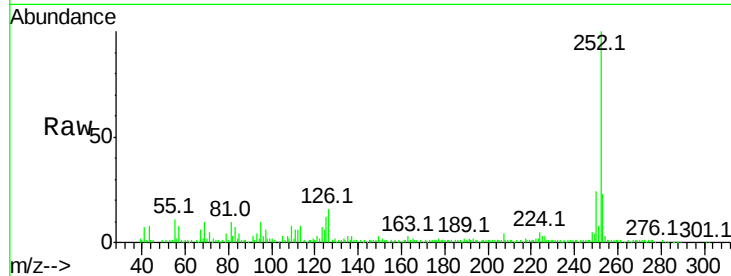
#88
Benzo(k)fluoranthene
Concen: 3.086 ng m
RT: 14.93 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BF098111.D
Acq: 29 Aug 2017 15:23

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	12.0	13.1	19.7#

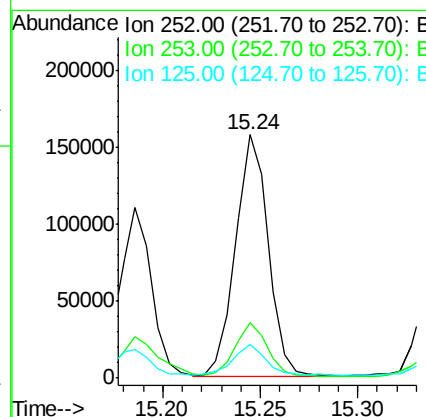
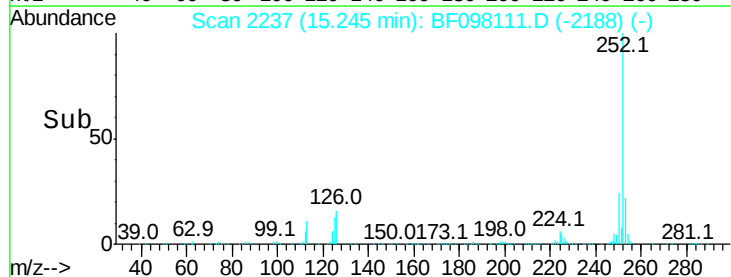
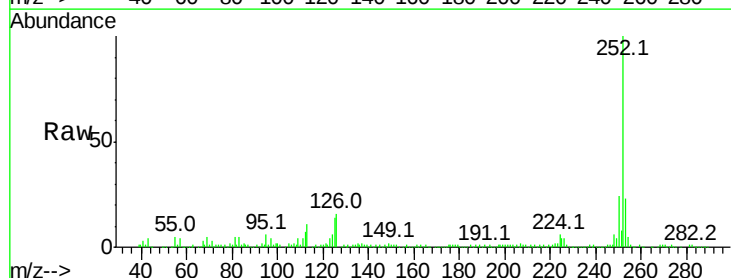
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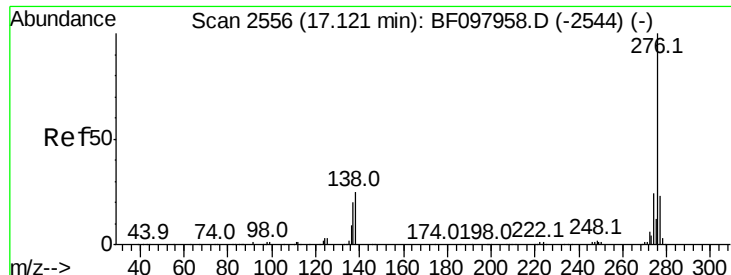
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#89
Benzo(a)pyrene
Concen: 7.151 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF098111.D
Acq: 29 Aug 2017 15:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	14.0	11.0	16.4





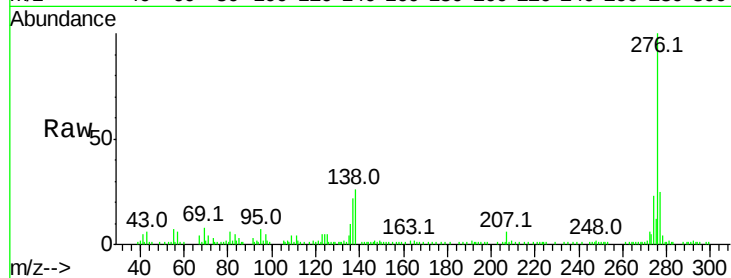
#91
 Benzo(a,h,i)perylene
 Concen: 5.388 ng
 RT: 17.09 min Scan# 2551
 Delta R.T. -0.02 min
 Lab File: BF098111.D
 Acq: 29 Aug 2017 15:23

Instrument :
 BNA_F
 ClientSampleId :
 RT2321-RT2315-20-02-RB36575RE

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.8	18.6	28.0
138	26.1	25.4	38.0

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

