

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098743.D
 Acq On : 23 Sep 2017 17:10
 Operator : SJ/JU
 Sample : I5340-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LT-TS-005

Manual Integrations
 APPROVED

Sohil
 9/25/2017 6:26:15 PM

Quant Time: Sep 25 06:48:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	172742	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	714771	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	296614	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	444728	20.00	ng	0.00
75) Chrysene-d12	14.08	240	249717	20.00	ng	0.00
86) Perylene-d12	15.57	264	248919	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1162150	107.10	ng	0.00
7) Phenol-d6	6.55	99	1416477	105.82	ng	0.00
23) Nitrobenzene-d5	7.48	82	876894	78.68	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	215541	88.81	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1380525	77.70	ng	0.00
78) Terphenyl-d14	13.03	244	826476	75.27	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.67	163	268670	12.001	ng	99
70) Phenanthrene	11.46	178	46125	1.938	ng	98
71) Anthracene	11.52	178	7282m	0.299	ng	
74) Fluoranthene	12.65	202	86349	3.582	ng	98
77) Pyrene	12.88	202	78612	4.128	ng	98
80) Benzo(a)anthracene	14.07	228	30579	2.022	ng	95
82) Chrysene	14.10	228	31298	2.174	ng	95
85) Indeno(1,2,3-cd)pyrene	17.07	276	17722	1.539	ng	93
87) Benzo(b)fluoranthene	15.13	252	39227m	2.563	ng	
88) Benzo(k)fluoranthene	15.16	252	15151m	1.002	ng	
89) Benzo(a)pyrene	15.50	252	28485	2.028	ng	# 94
90) Dibenzo(a,h)anthracene	17.08	278	4577	0.407	ng	# 93
91) Benzo(a,h,i)perylene	17.52	276	16371	1.473	ng	# 89

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

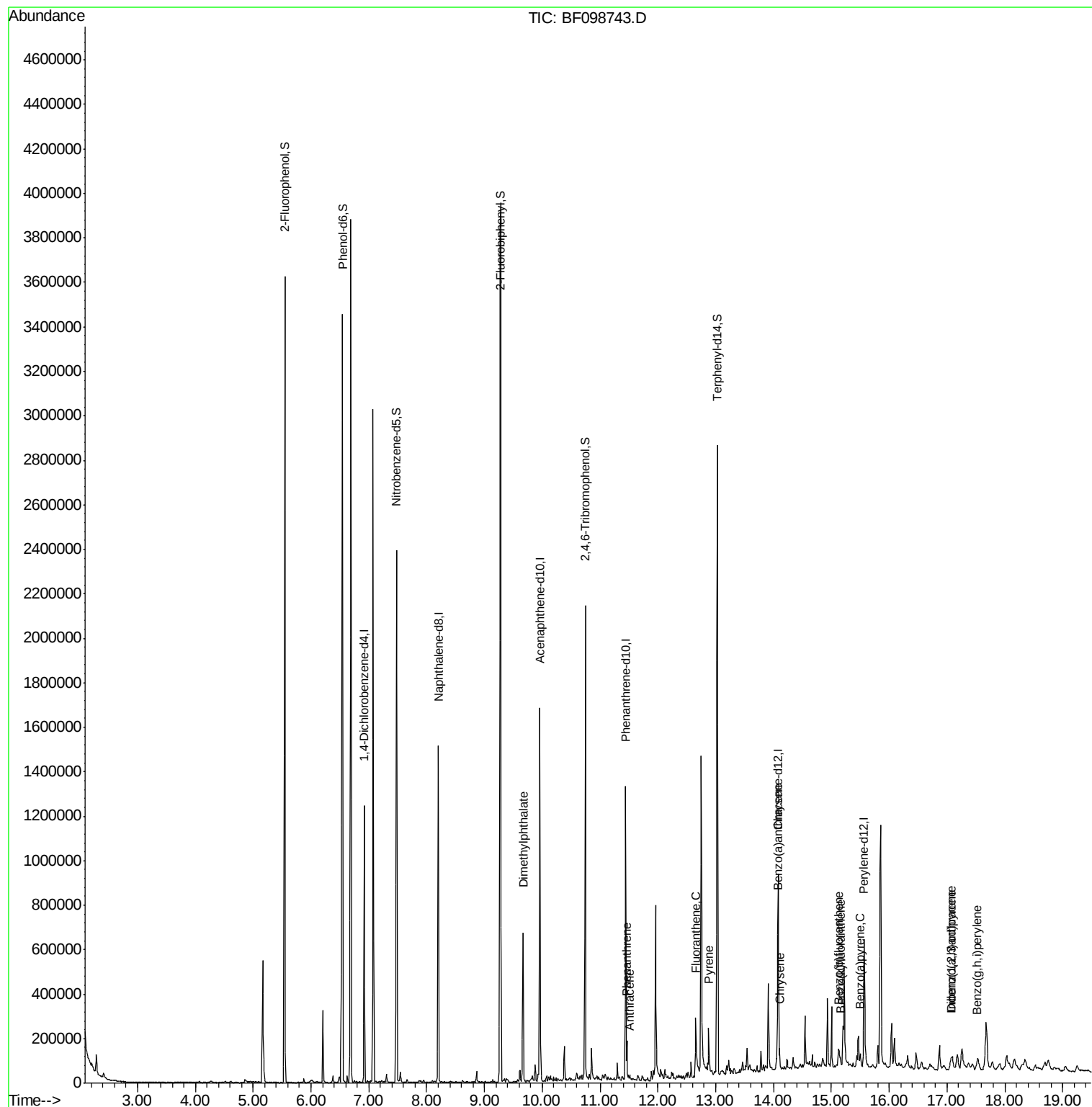
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
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#1

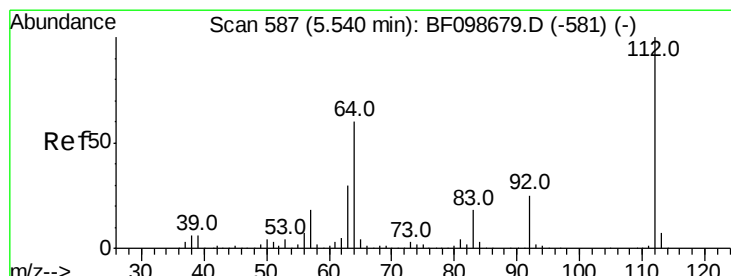
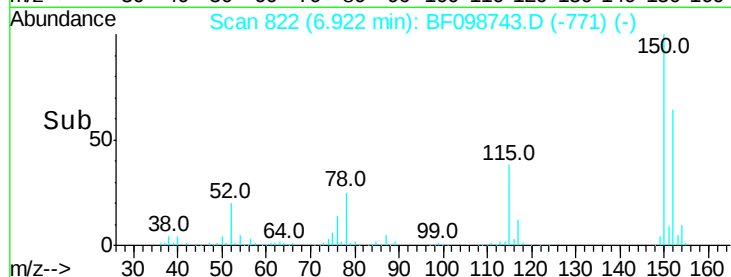
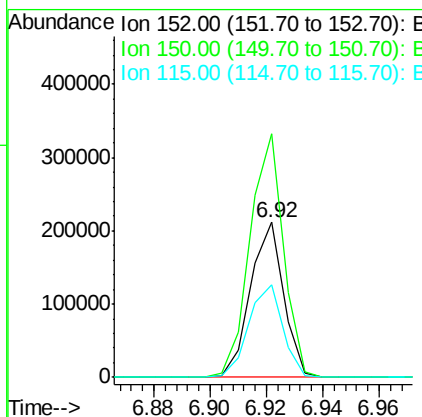
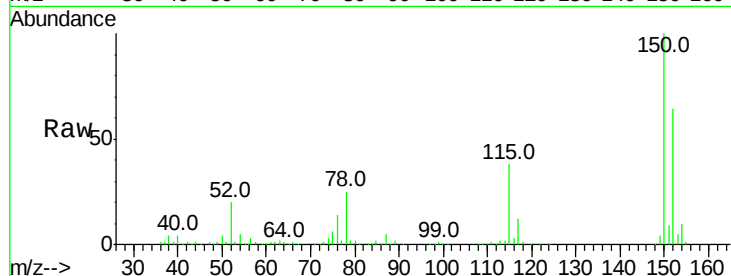
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF098743.D
Acq: 23 Sep 2017 17:10

Instrument :
BNA_F
ClientSampled :
LT-TS-005

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	59.7	50.1	75.1

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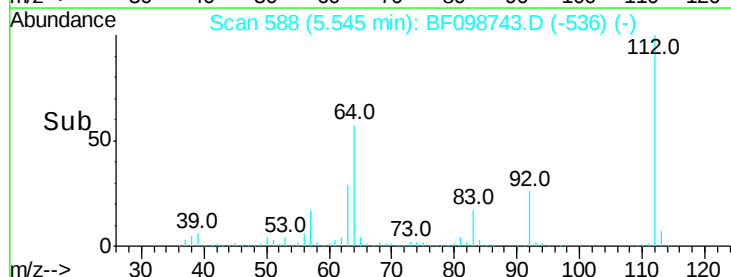
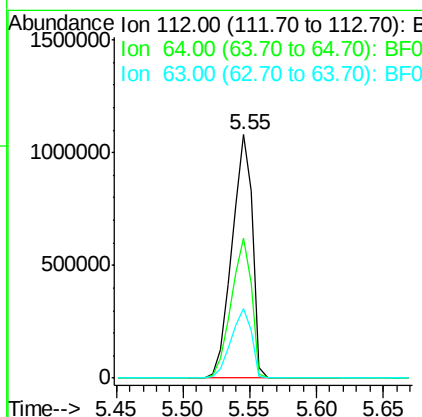
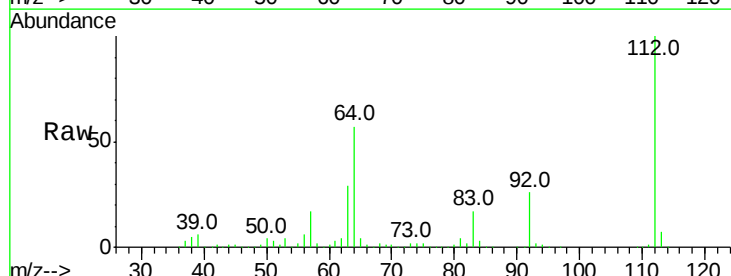
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#5

2-Fluorophenol
Concen: 107.098 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098743.D
Acq: 23 Sep 2017 17:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.9	71.9
63	28.8	23.7	35.5





#7

Phenol-d6

Concen: 105.815 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098743.D

Acq: 23 Sep 2017 17:10

Instrument :

BNA_F

ClientSampleId :

LT-TS-005

Tot Ion: 99 Resp: 1416477

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

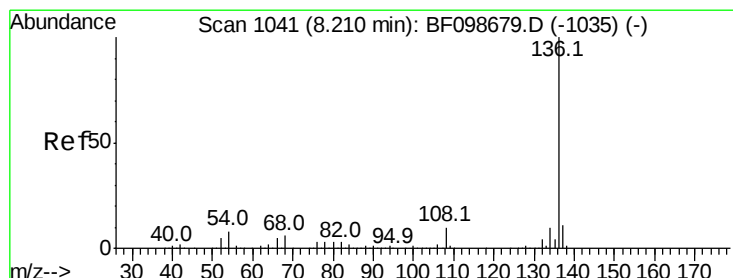
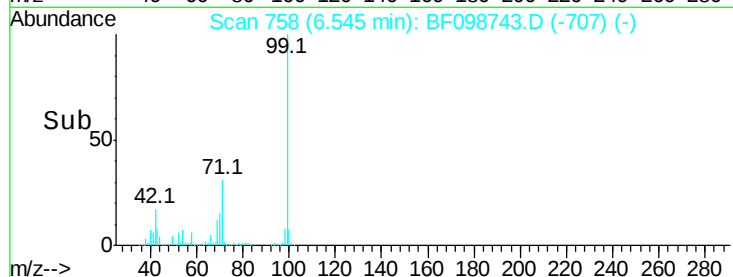
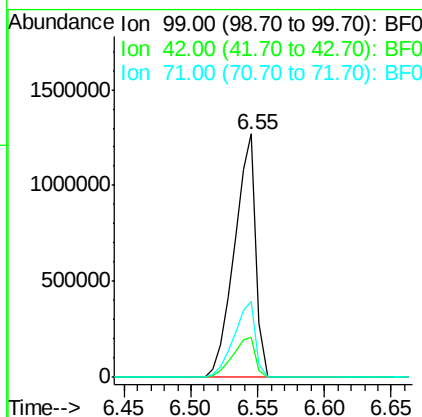
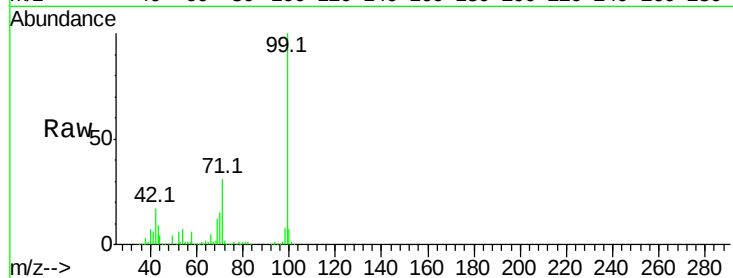
71 31.2 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF098743.D

Acq: 23 Sep 2017 17:10

Tgt Ion: 136 Resp: 714771

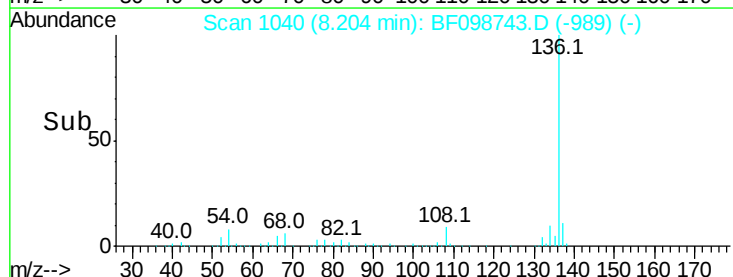
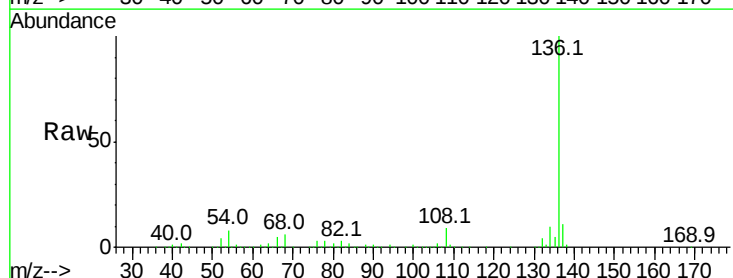
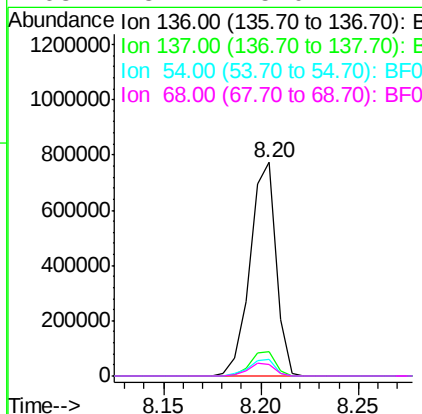
Ion Ratio Lower Upper

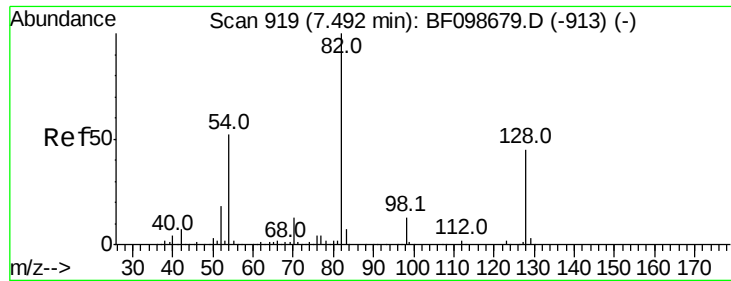
136 100

137 11.2 8.9 13.3

54 7.6 6.6 9.8

68 5.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 78.676 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF098743.D

Acq: 23 Sep 2017 17:10

Instrument :

BNA_F

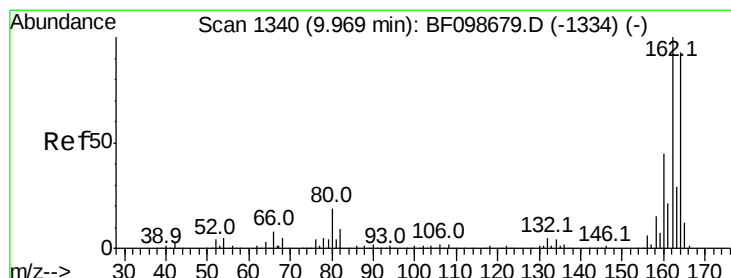
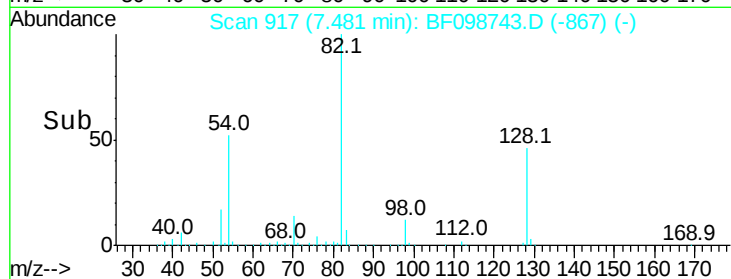
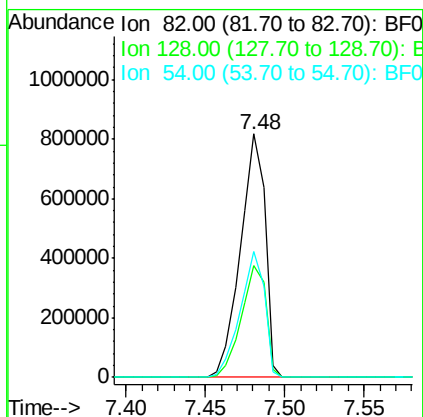
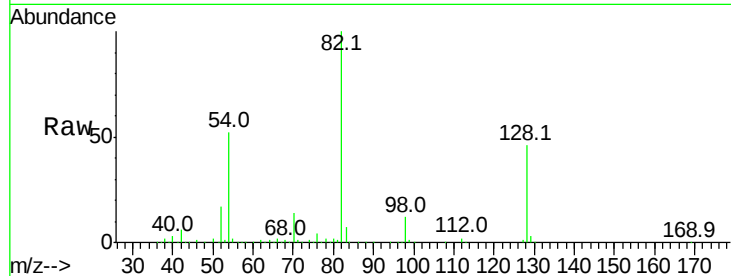
ClientSampled :

LT-TS-005

Tot Ion:	82	Resp:	876894
Ion Ratio	Lower	Upper	
82	100		
128	45.8	36.1	54.1
54	51.6	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

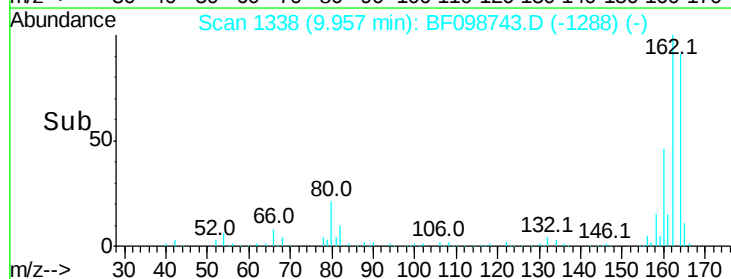
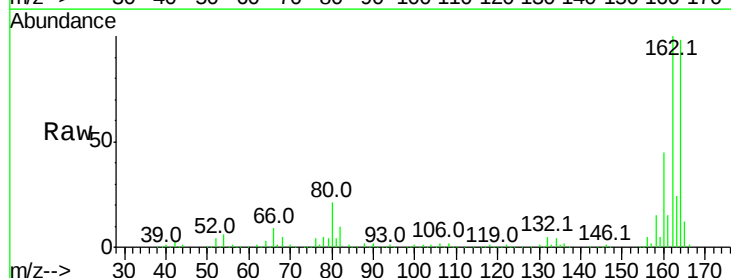
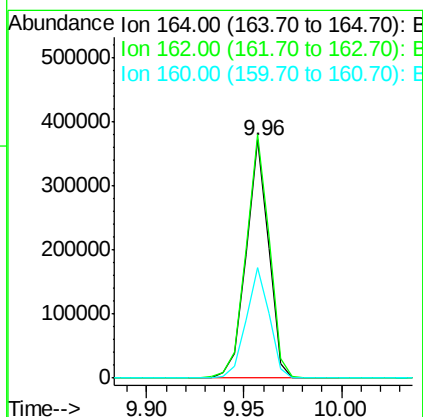
RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF098743.D

Acq: 23 Sep 2017 17:10

Tgt Ion:	164	Resp:	296614
Ion Ratio	Lower	Upper	
164	100		
162	102.2	86.1	129.1
160	46.1	38.3	57.5





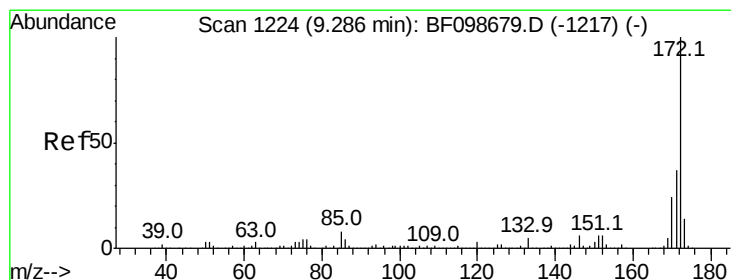
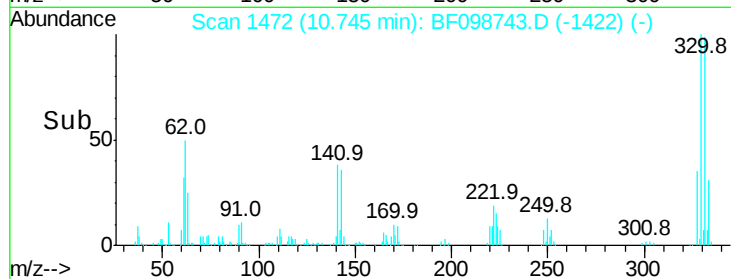
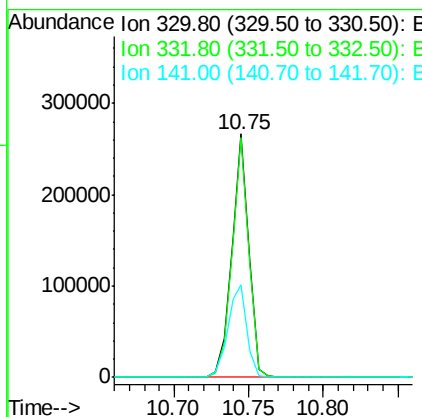
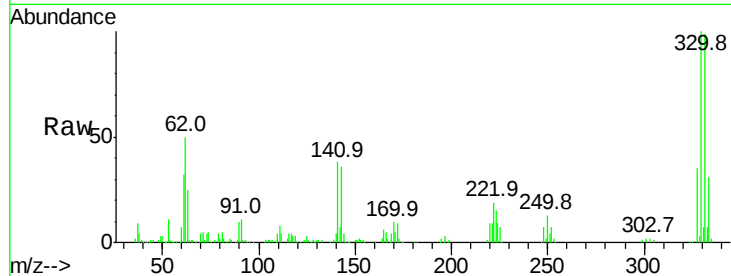
#41
 2,4,6-Tribromophenol
 Concen: 88.806 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098743.D
 Acq: 23 Sep 2017 17:10

Instrument :
 BNA_F
 ClientSampleId :
 LT-TS-005

Tot Ion	Ratio	Resp	Lower	Upper
330	100	215541		
332	97.3	77.0	115.6	
141	42.6	29.9	44.9	

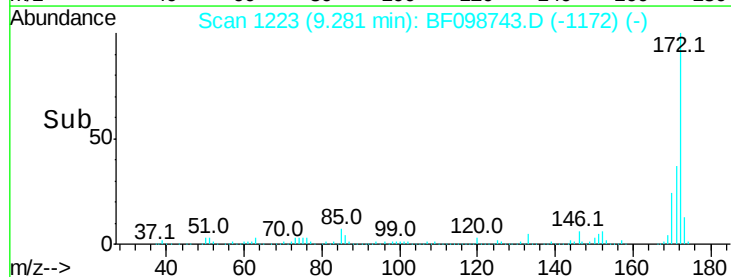
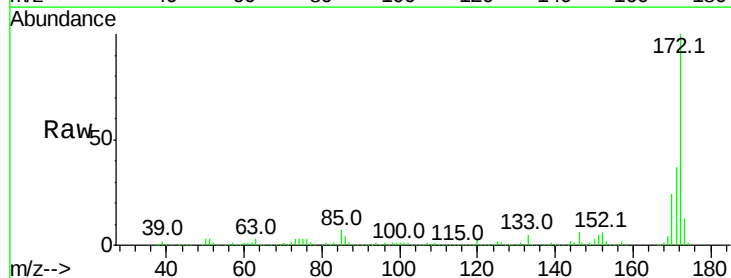
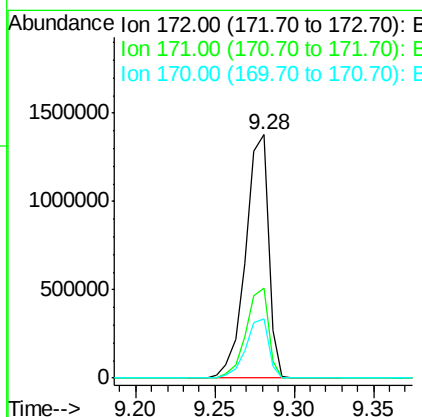
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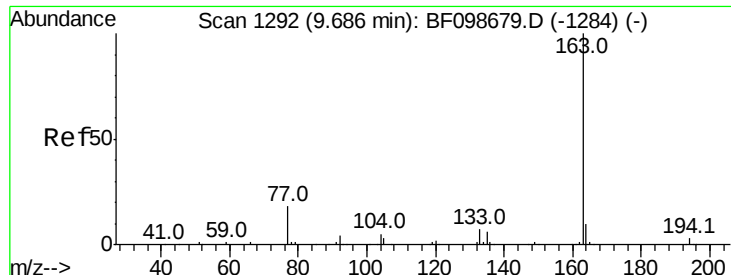
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#44
 2-Fluorobiphenyl
 Concen: 77.699 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: BF098743.D
 Acq: 23 Sep 2017 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1380525		
171	36.8	29.7	44.5	
170	24.4	19.6	29.4	





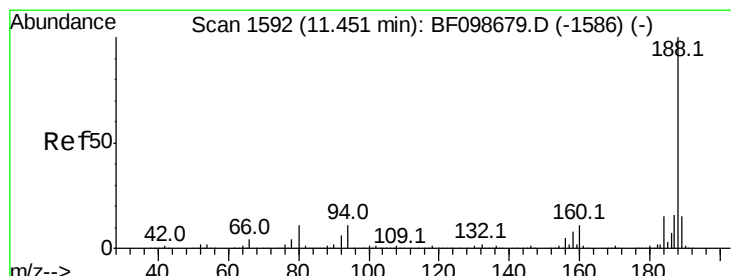
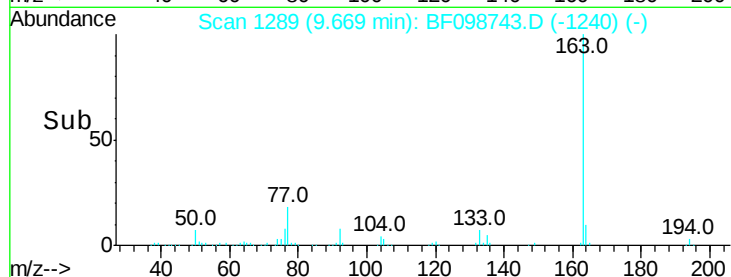
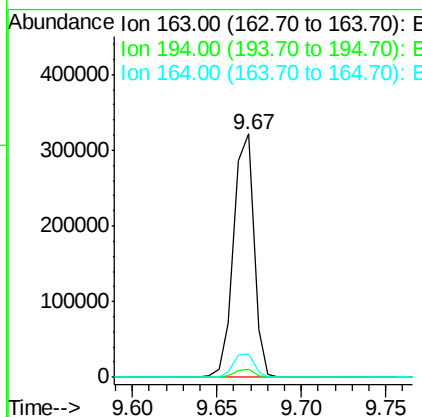
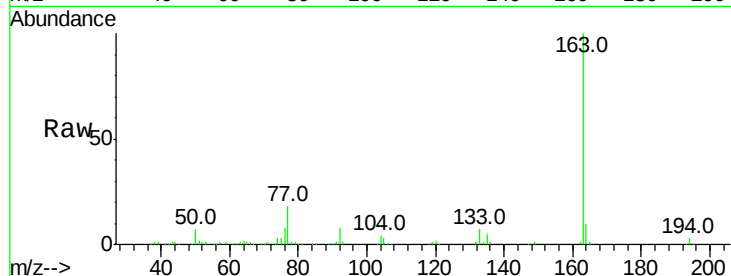
#49
Dimethylphthalate
Concen: 12.001 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF098743.D
Acq: 23 Sep 2017 17:10

Instrument :
BNA_F
ClientSampleId :
LT-TS-005

Tot Ion	Ratio	Resp	Lower	Upper
163	100	268670		
194	3.4		2.7	4.1
164	9.9		8.2	12.2

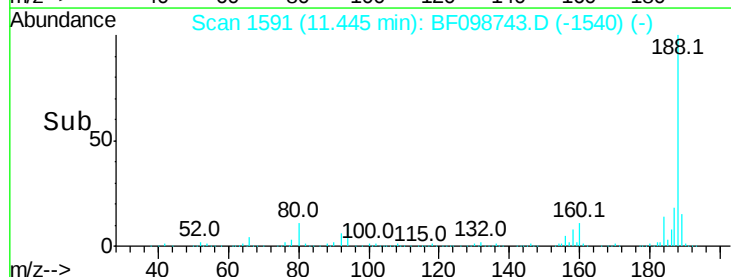
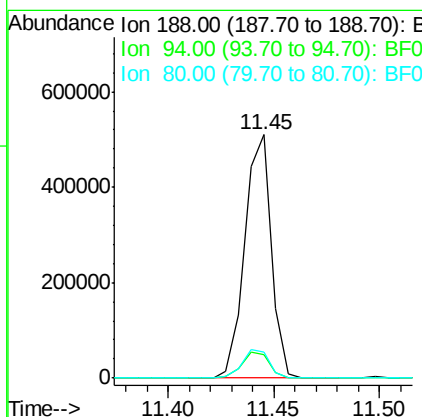
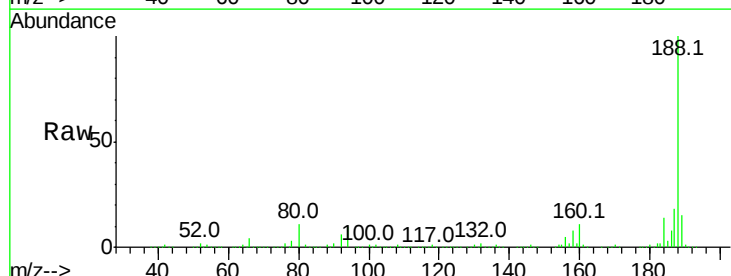
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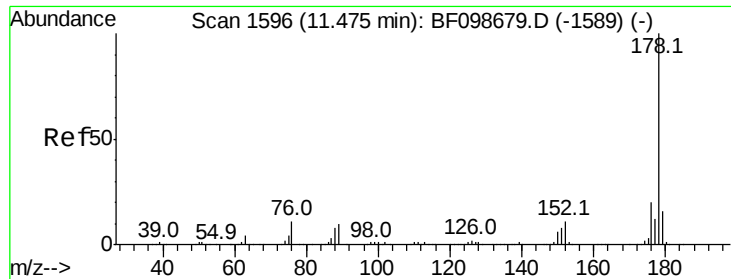
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.00 min
Lab File: BF098743.D
Acq: 23 Sep 2017 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	444728		
94	9.8		8.5	12.7
80	10.8		9.2	13.8





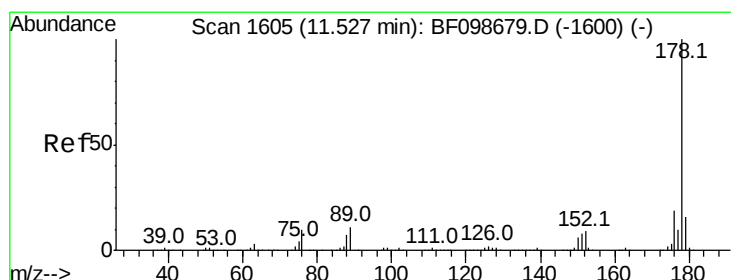
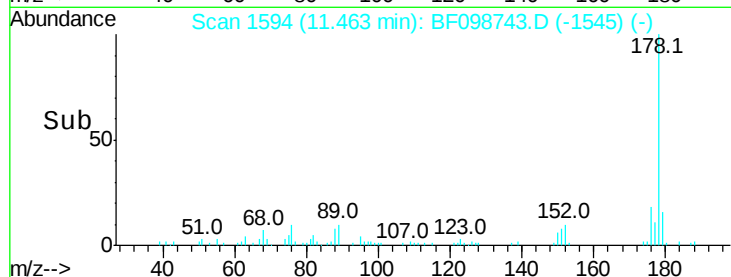
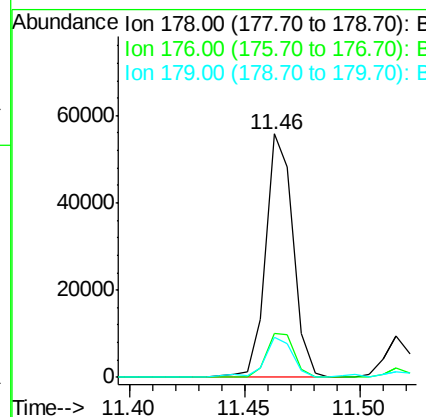
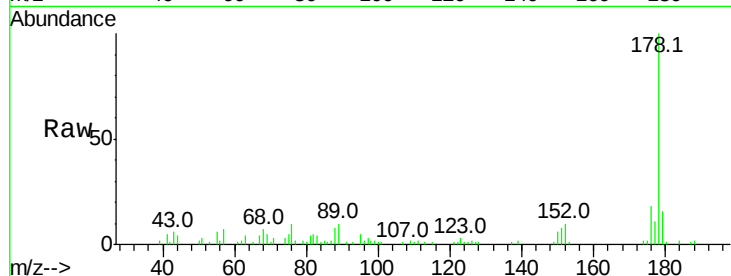
#70
Phenanthrene
Concen: 1.938 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098743.D
Acq: 23 Sep 2017 17:10

Instrument :
BNA_F
ClientSampleId :
LT-TS-005

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	16.3	13.0	19.6

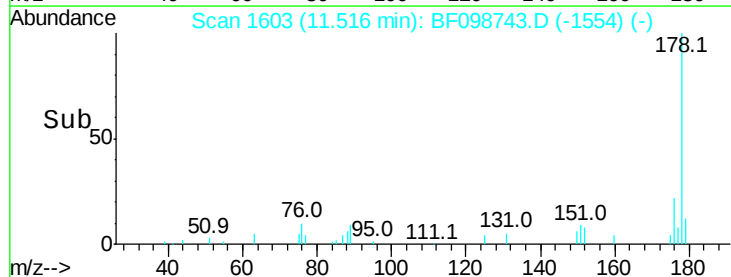
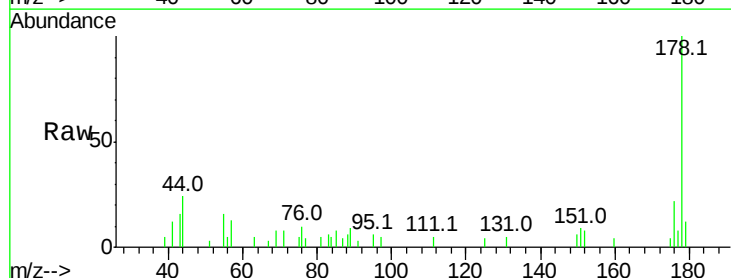
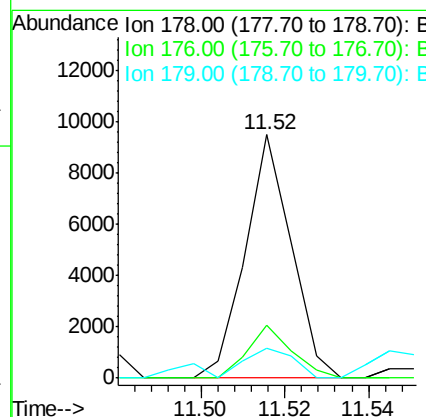
Manual Integrations
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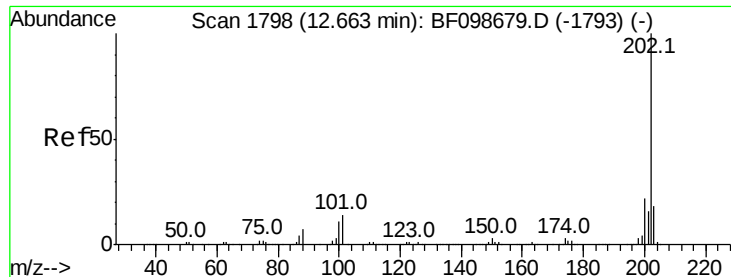
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#71
Anthracene
Concen: 0.299 ng m
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF098743.D
Acq: 23 Sep 2017 17:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.7	15.4	23.2
179	12.2	12.6	19.0





#74

Fluoranthene

Concen: 3.582 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098743.D

Acq: 23 Sep 2017 17:10

Instrument :

BNA_F

ClientSampled :

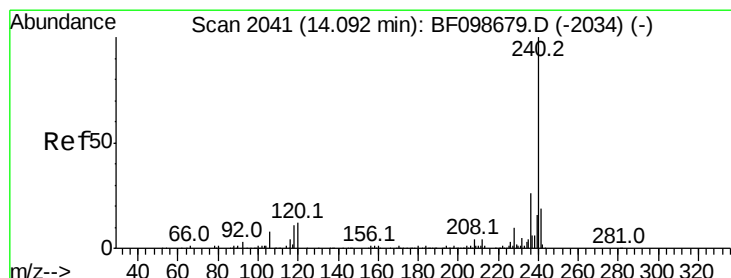
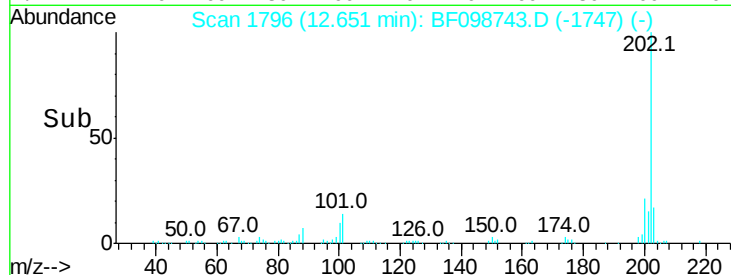
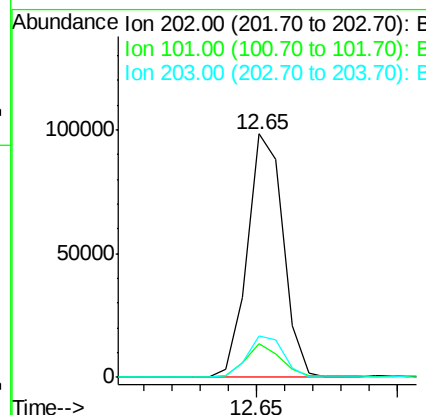
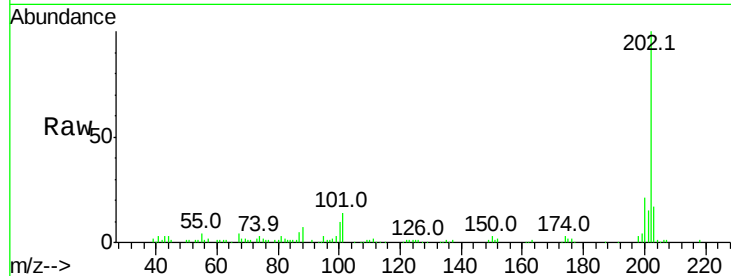
LT-TS-005

Tot Ion	Ratio	Resp	Lower	Upper
202	100	86349		
101	14.0	0.0	34.1	
203	16.8	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

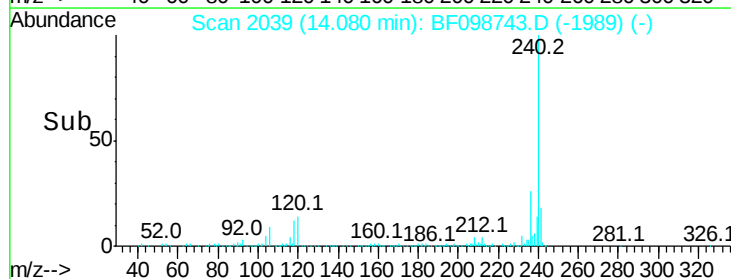
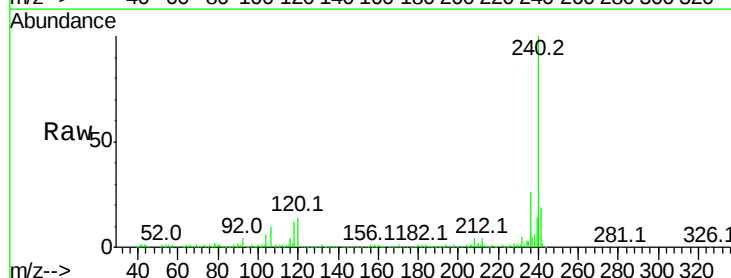
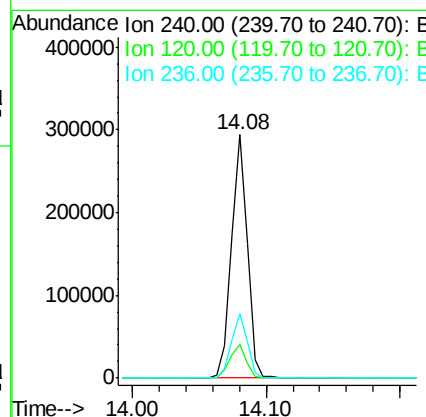
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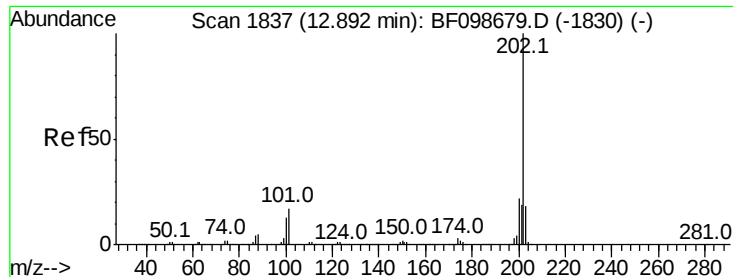
Delta R.T. -0.01 min

Lab File: BF098743.D

Acq: 23 Sep 2017 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	249717		
120	14.0	9.5	14.3	
236	26.3	20.7	31.1	





#77

Pvrene

Concen: 4.128 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098743.D

Acq: 23 Sep 2017 17:10

Instrument :

BNA_F

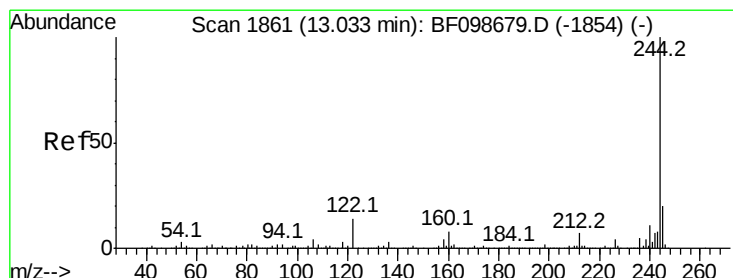
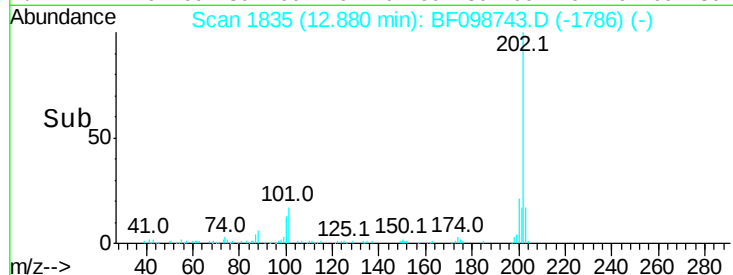
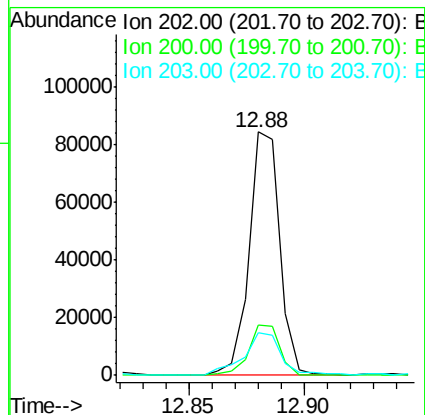
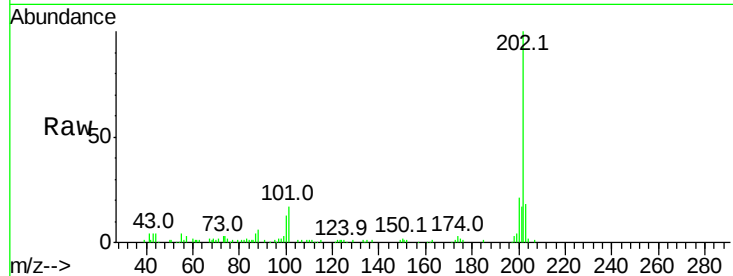
ClientSampled :

LT-TS-005

Tot Ion:	202	Resp:	78612
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	17.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 75.268 ng

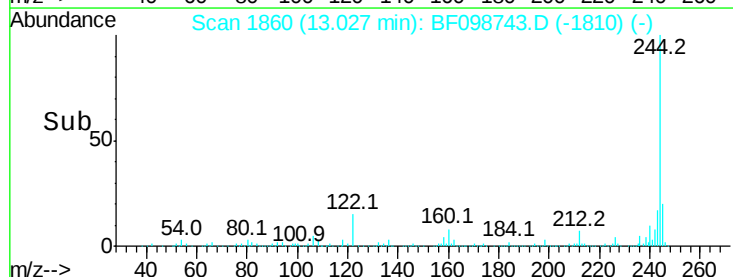
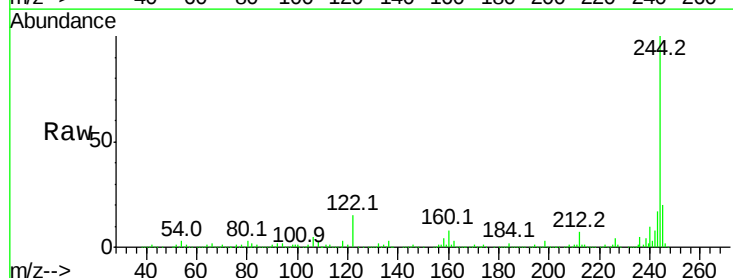
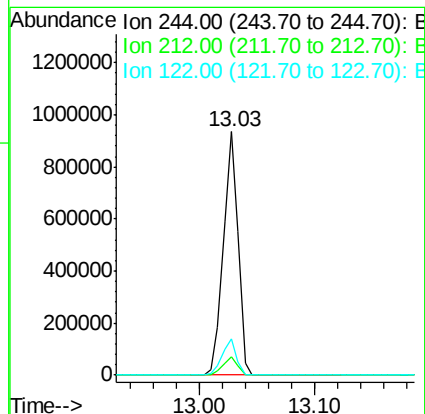
RT: 13.03 min Scan# 1860

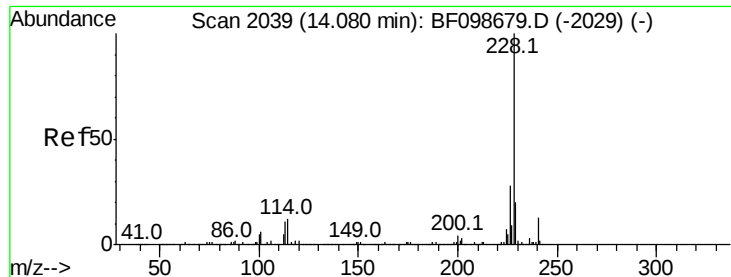
Delta R.T. -0.01 min

Lab File: BF098743.D

Acq: 23 Sep 2017 17:10

Tgt Ion:	244	Resp:	826476
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.4	8.0
122	14.7	11.0	16.4





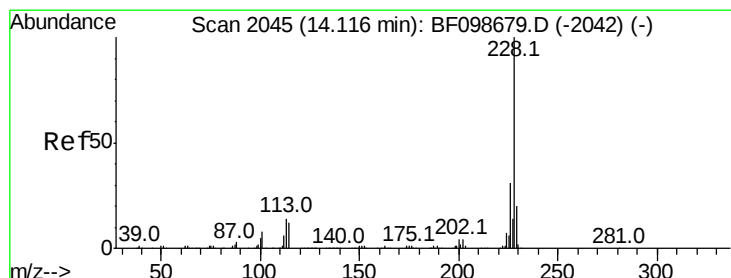
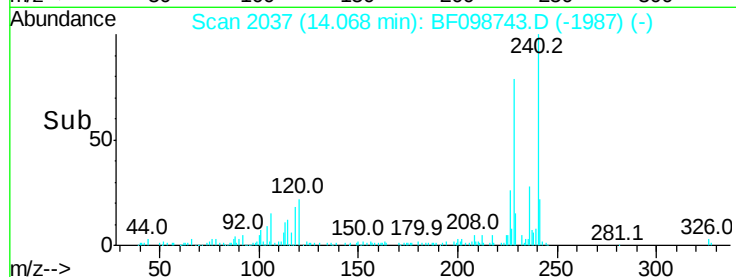
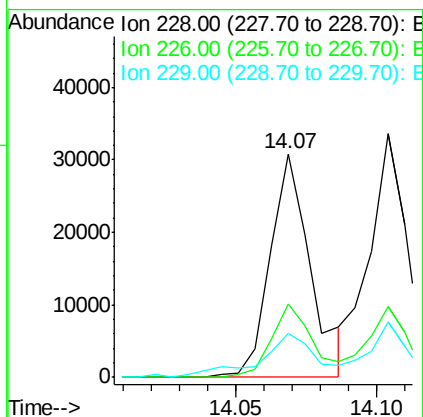
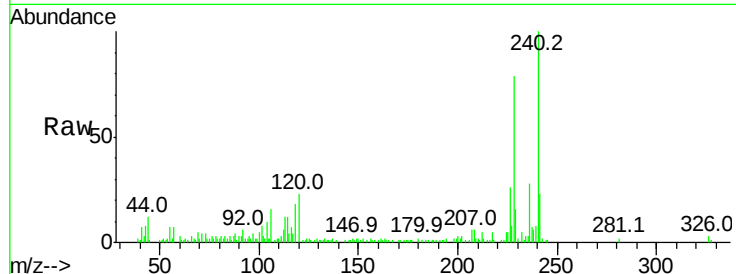
#80
Benzo(a)anthracene
Concen: 2.022 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098743.D
Acq: 23 Sep 2017 17:10

Instrument :
BNA_F
ClientSampleId :
LT-TS-005

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	19.8	15.8	23.6

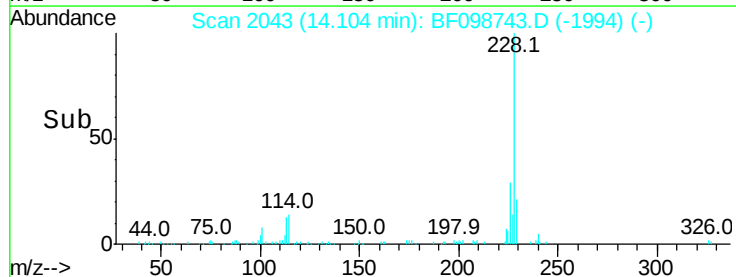
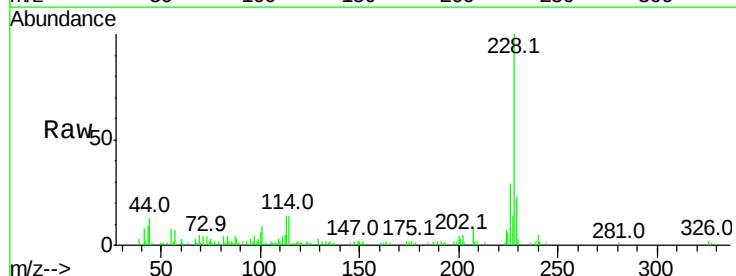
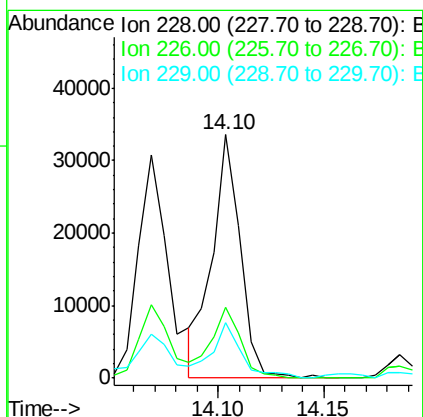
Manual Integrations
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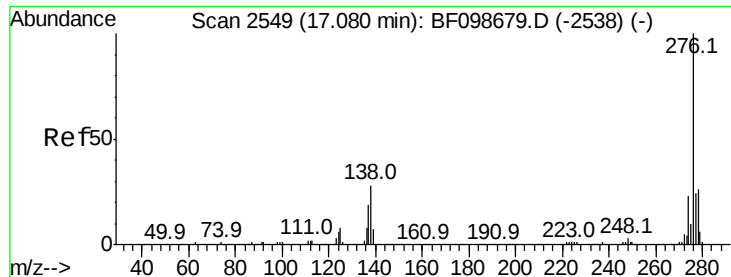
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#82
Chrysene
Concen: 2.174 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098743.D
Acq: 23 Sep 2017 17:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.0	37.6
229	22.8	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 1.539 ng

RT: 17.07 min Scan# 2547

Delta R.T. -0.02 min

Lab File: BF098743.D

Acq: 23 Sep 2017 17:10

Instrument :

BNA_F

ClientSampleId :

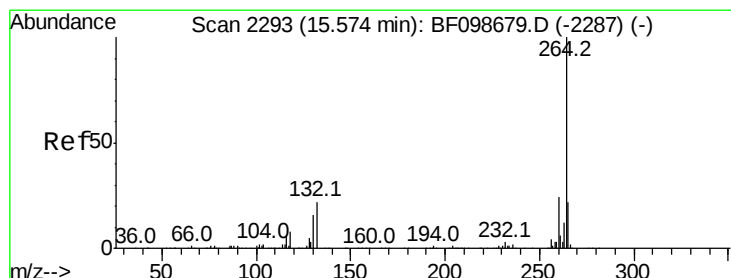
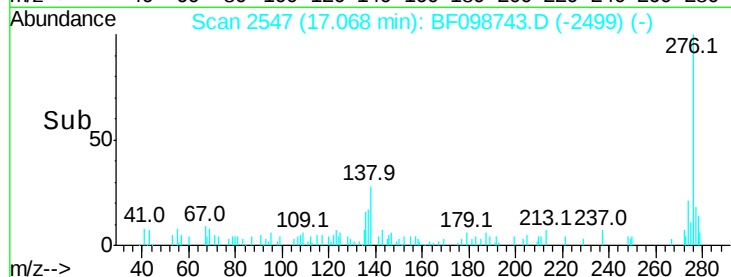
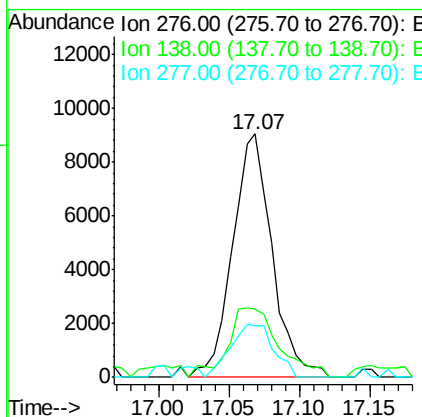
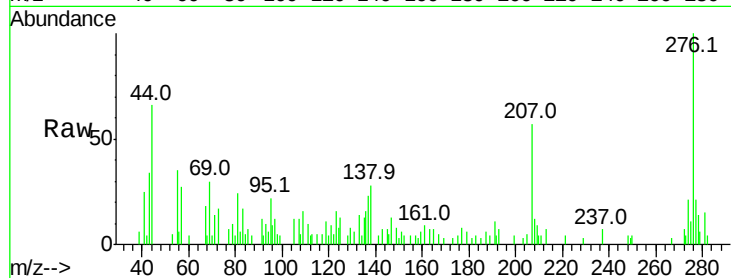
LT-TS-005

Tot Ion:	276	Resp:	17722
Ion Ratio	Lower	Upper	
276	100		
138	36.9	25.0	37.6
277	23.7	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

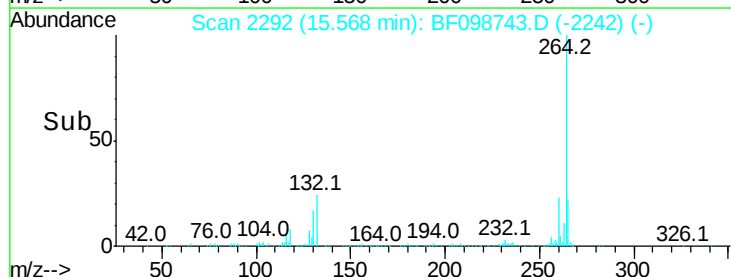
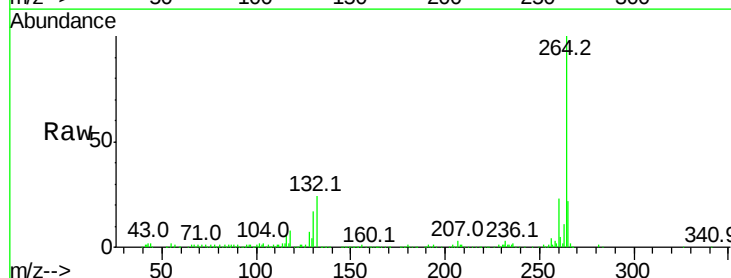
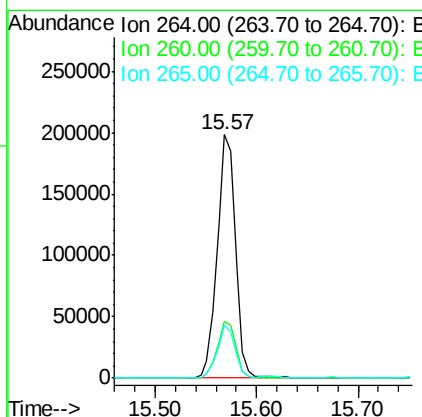
RT: 15.57 min Scan# 2292

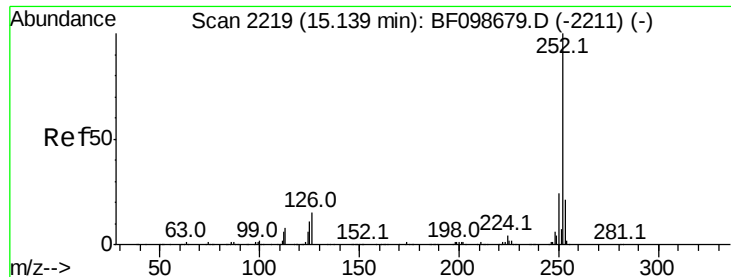
Delta R.T. -0.01 min

Lab File: BF098743.D

Acq: 23 Sep 2017 17:10

Tgt Ion:	264	Resp:	248919
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	21.6	17.5	26.3





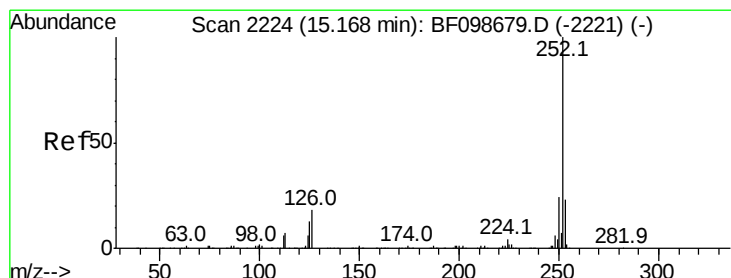
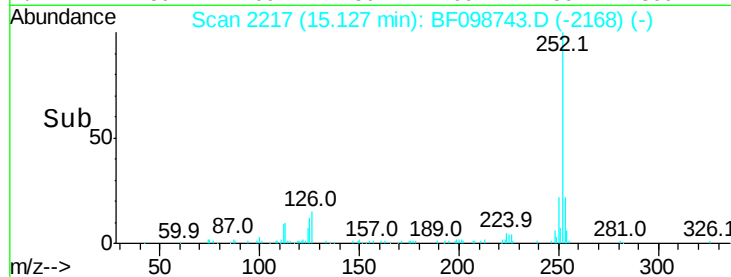
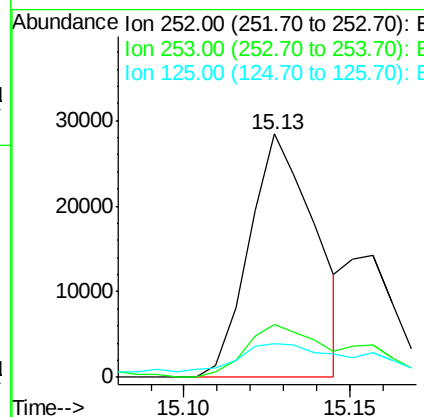
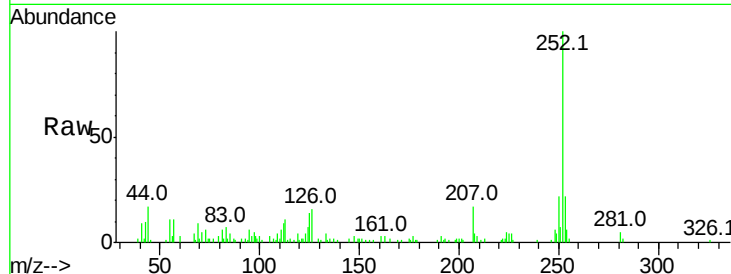
#87
Benzo(b)fluoranthene
Concen: 2.563 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098743.D
Acq: 23 Sep 2017 17:10

Instrument :
BNA_F
ClientSampleId :
LT-TS-005

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	13.9	9.0	13.6

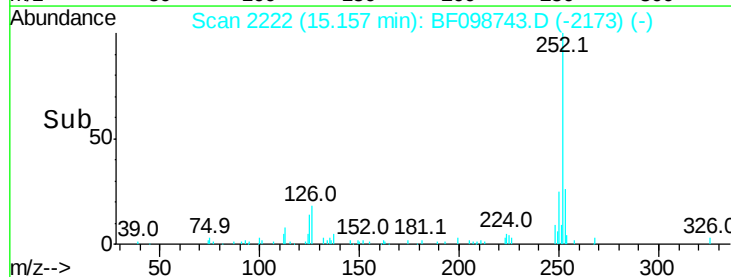
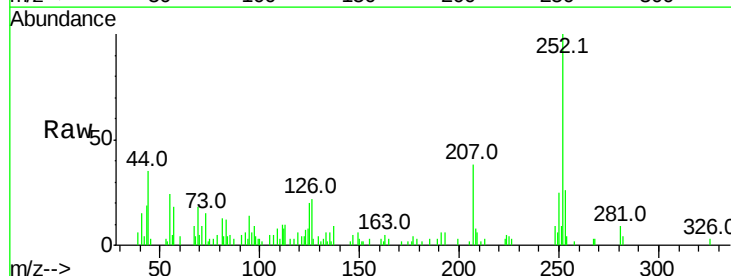
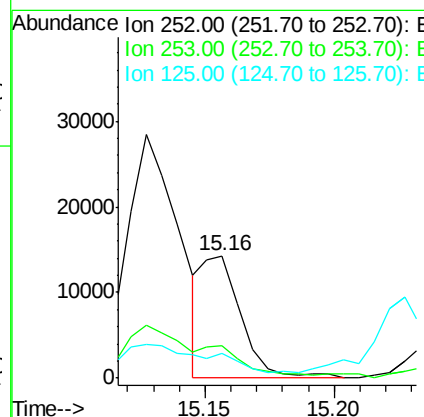
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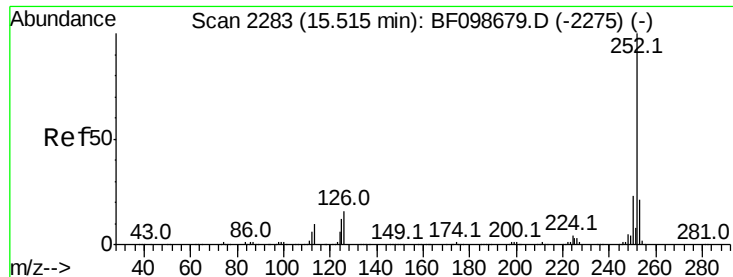
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#88
Benzo(k)fluoranthene
Concen: 1.002 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF098743.D
Acq: 23 Sep 2017 17:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.9	26.9
125	19.9	10.2	15.2





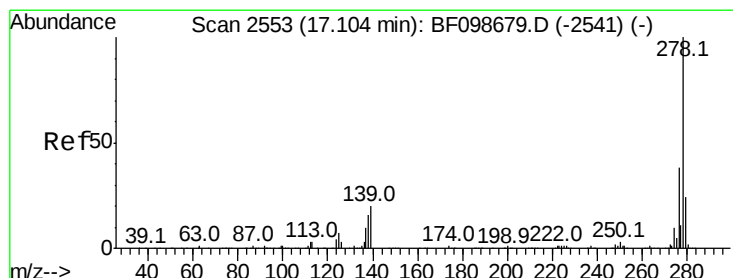
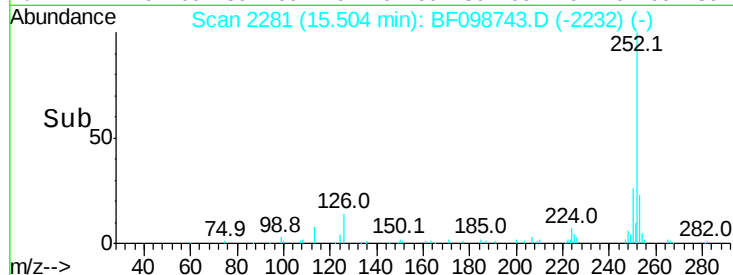
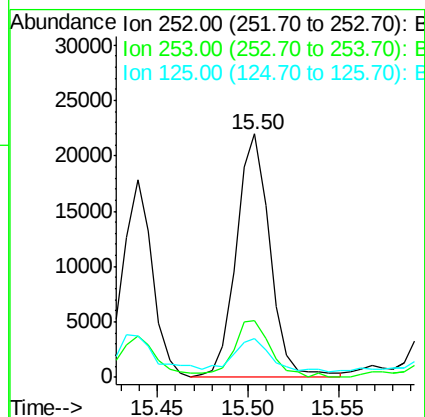
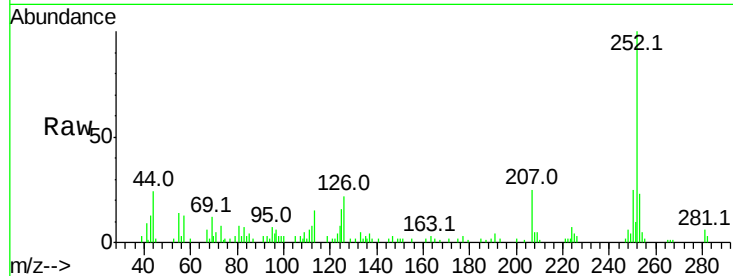
#89
Benzo(a)pyrene
Concen: 2.028 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098743.D
Acq: 23 Sep 2017 17:10

Instrument :
BNA_F
ClientSampleId :
LT-TS-005

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	17.1	25.7
125	16.0	9.8	14.6

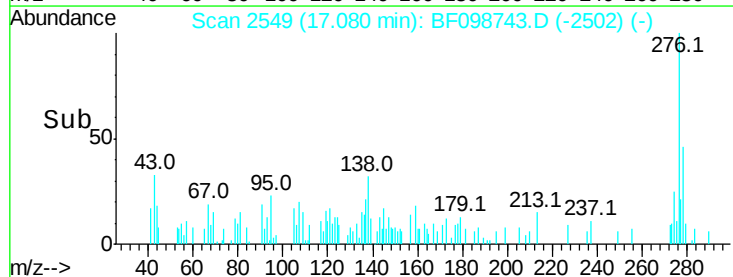
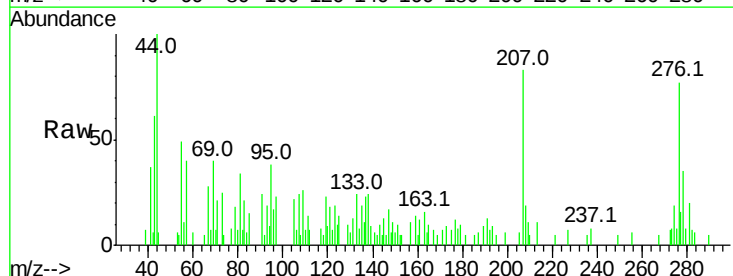
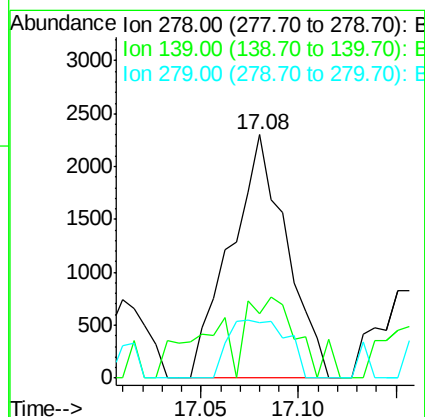
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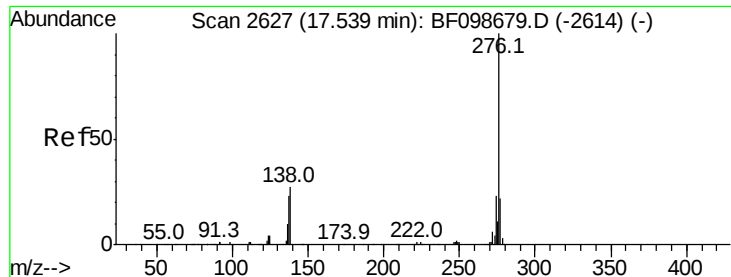
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#90
Dibenzo(a,h)anthracene
Concen: 0.407 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.02 min
Lab File: BF098743.D
Acq: 23 Sep 2017 17:10

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	26.5	15.9	23.9
279	22.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 1.473 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. -0.02 min
 Lab File: BF098743.D
 Acq: 23 Sep 2017 17:10

Instrument :
 BNA_F
 ClientSampleId :
 LT-TS-005

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	36.7	21.8	32.8

Manual Integrations
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