

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097205.D
 Acq On : 31 Jul 2017 14:01
 Operator : SJ/JU
 Sample : I4466-01 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

Manual Integrations
 APPROVED

Sohil
 8/1/2017 5:44:28 PM

Quant Time: Jul 31 15:32:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 31 15:18:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.47	152	120214	20.00	ng	0.00
21) Naphthalene-d8	7.76	136	441488	20.00	ng	0.00
38) Acenaphthene-d10	9.50	164	177029	20.00	ng	0.00
63) Phenanthrene-d10	10.98	188	209316	20.00	ng	0.00
75) Chrysene-d12	13.61	240	201533	20.00	ng	0.00
86) Perylene-d12	14.96	264	206186	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	217519	27.28	ng	0.00
7) Phenol-d6	6.13	99	239674	26.33	ng	-0.01
23) Nitrobenzene-d5	7.05	82	124027	16.48	ng	0.00
41) 2,4,6-Tribromophenol	10.29	330	28923	20.68	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	237398	22.76	ng	0.00
78) Terphenyl-d14	12.57	244	123339	12.48	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.24	163	33398	2.484	ng	99
51) Acenaphthene	9.54	154	22088	2.196	ng	98
57) Fluorene	10.05	166	29893	2.968	ng	# 93
59) Diethylphthalate	9.94	149	32821	2.661	ng	100
70) Phenanthrene	11.00	178	255589	22.789	ng	97
71) Anthracene	11.06	178	96508	8.402	ng	99
74) Fluoranthene	12.19	202	509923	46.411	ng	97
77) Pyrene	12.42	202	479945	29.090	ng	99
80) Benzo(a)anthracene	13.60	228	261515	20.055	ng	99
82) Chrysene	13.64	228	229906	18.056	ng	98
85) Indeno(1,2,3-cd)pyrene	16.19	276	142790	13.078	ng	94
87) Benzo(b)fluoranthene	14.61	252	331239m	26.725	ng	
88) Benzo(k)fluoranthene	14.63	252	95347m	8.073	ng	
89) Benzo(a)pyrene	14.92	252	235954	20.801	ng	96
90) Dibenzo(a,h)anthracene	16.19	278	34552	3.714	ng	# 77
91) Benzo(g,h,i)perylene	16.56	276	134711	13.809	ng	96

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

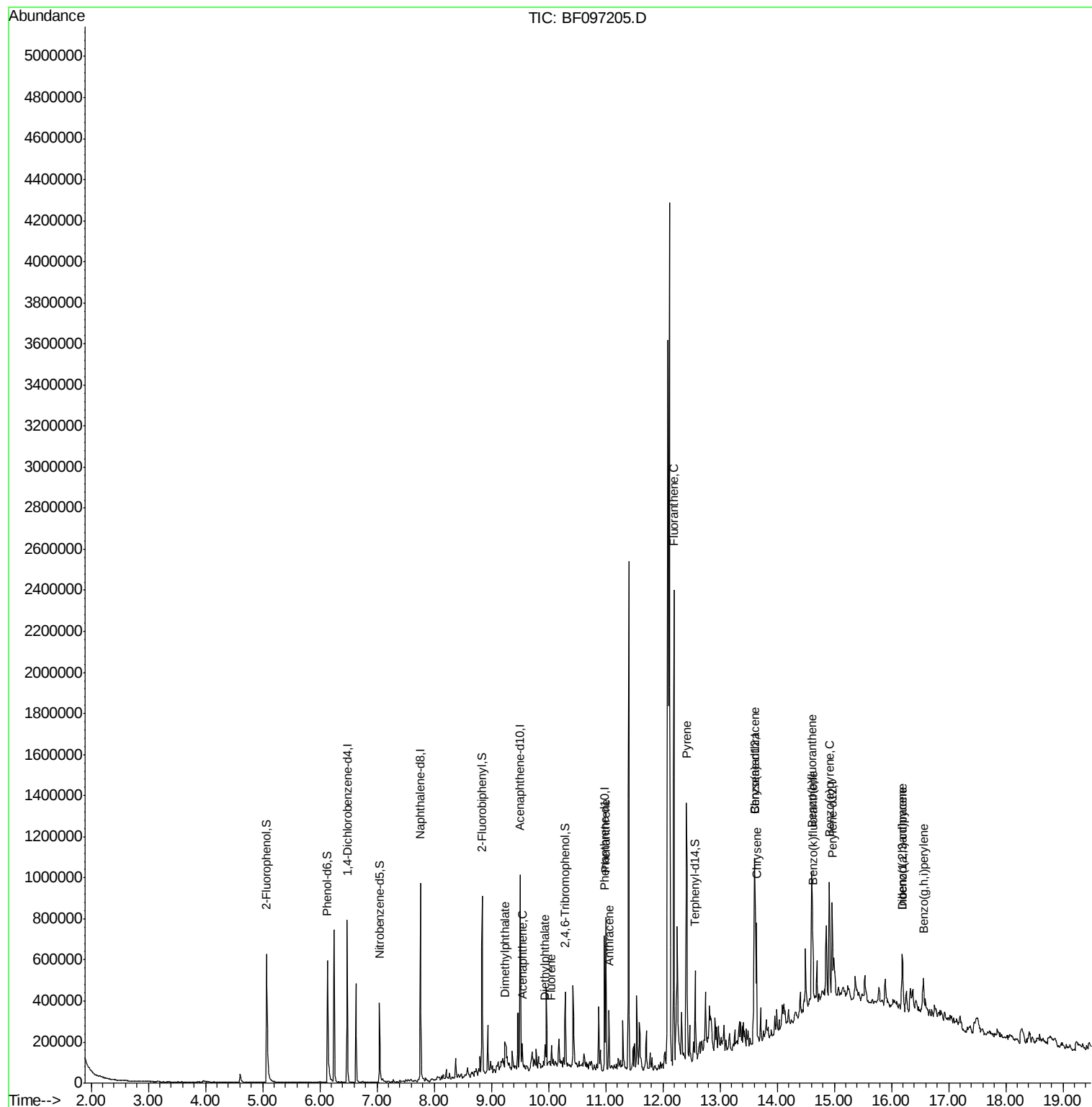
Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
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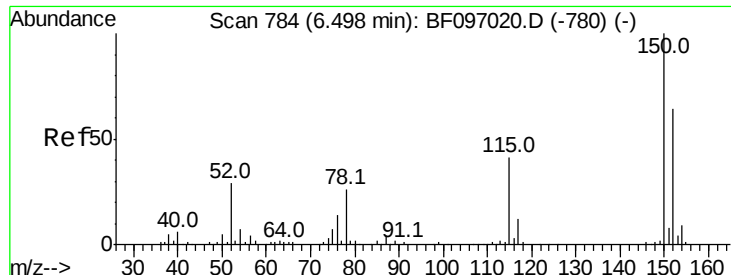
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#1

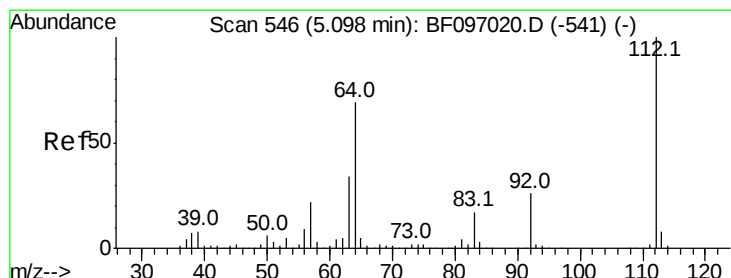
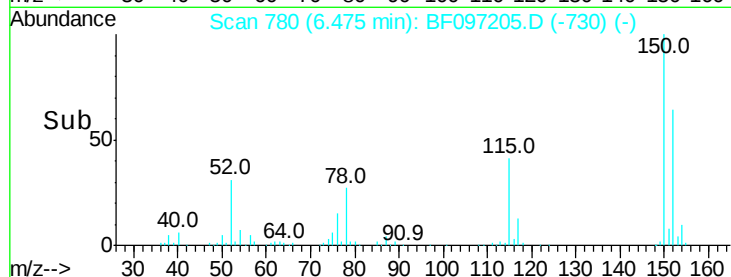
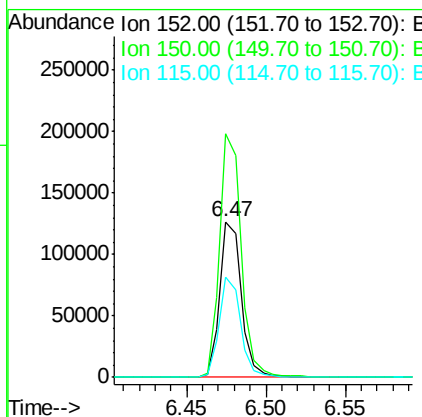
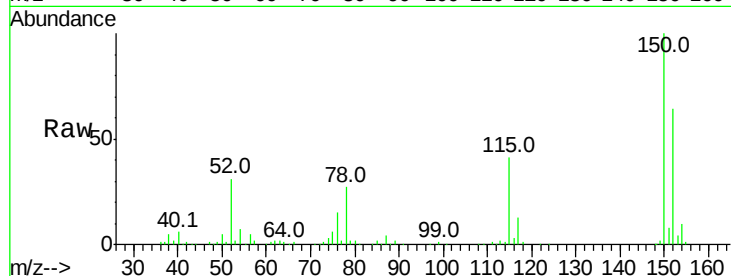
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.47 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF097205.D
Acq: 31 Jul 2017 14:01

Instrument :
BNA_F
ClientSampleId :
HD-02-072617

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.2	189.2
115	64.7	52.2	78.2

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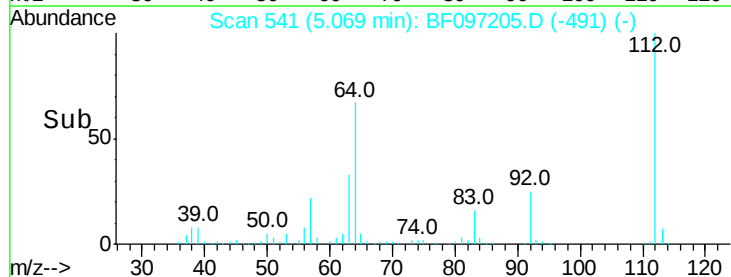
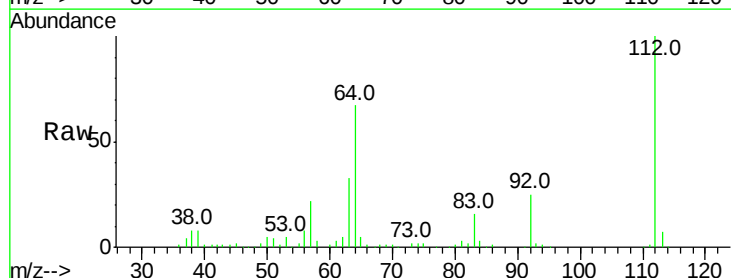
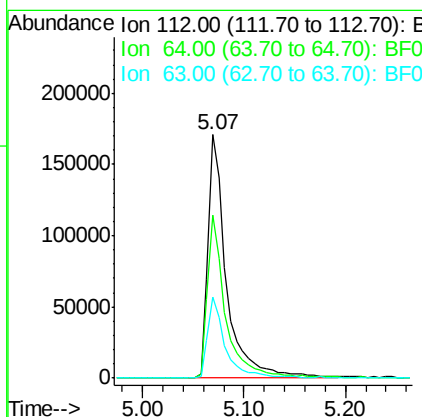
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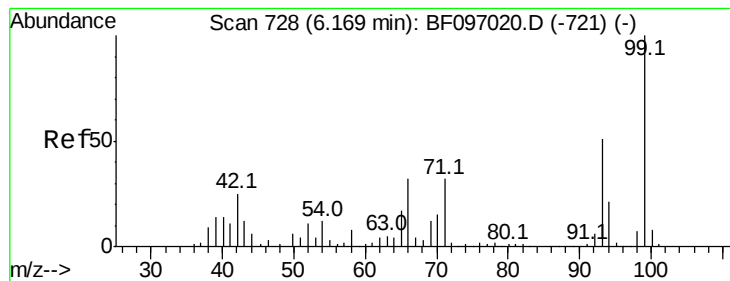


#5

2-Fluorophenol
Concen: 27.277 ng
RT: 5.07 min Scan# 541
Delta R.T. -0.01 min
Lab File: BF097205.D
Acq: 31 Jul 2017 14:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	46.0	69.0
63	33.5	23.4	35.0





#7

Phenol-d6

Concen: 26.327 ng

RT: 6.13 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF097205.D

Acq: 31 Jul 2017 14:01

Instrument :

BNA_F

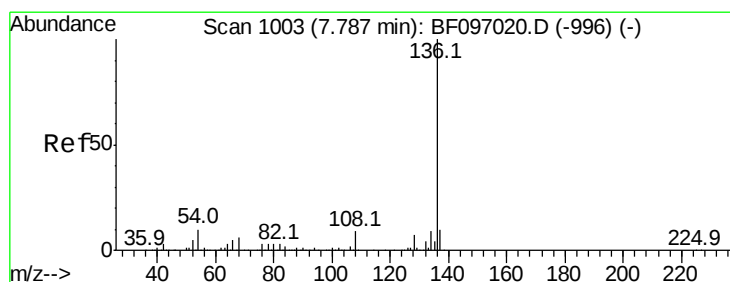
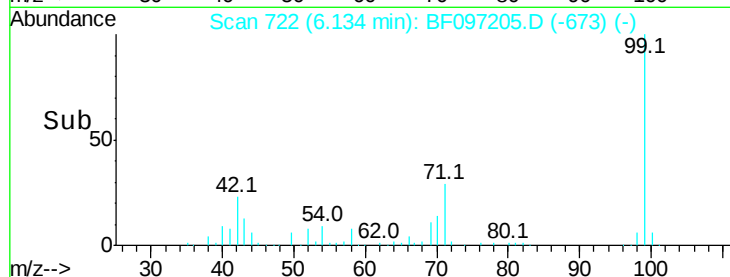
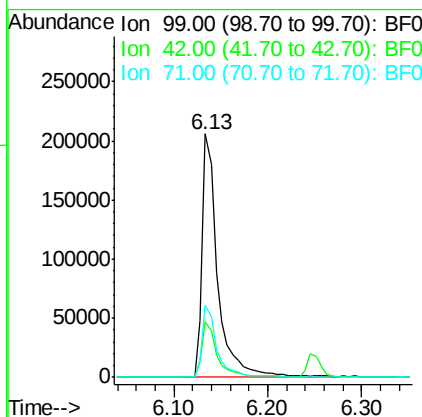
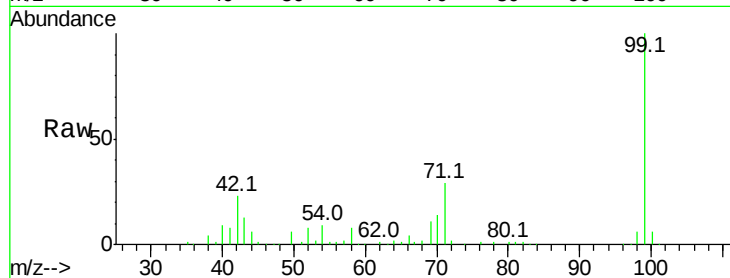
ClientSampleId :

HD-02-072617

Tot Ion:	99	Resp:	239674
Ion Ratio	Lower	Upper	
99	100		
42	22.9	13.5	20.3#
71	29.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

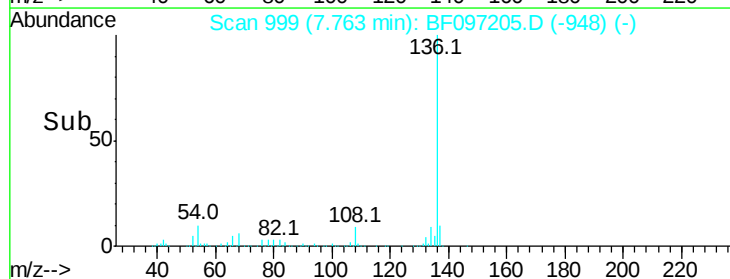
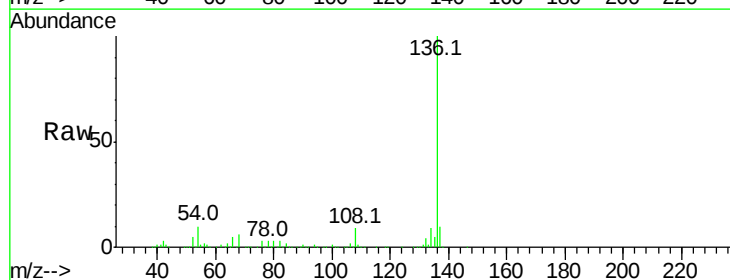
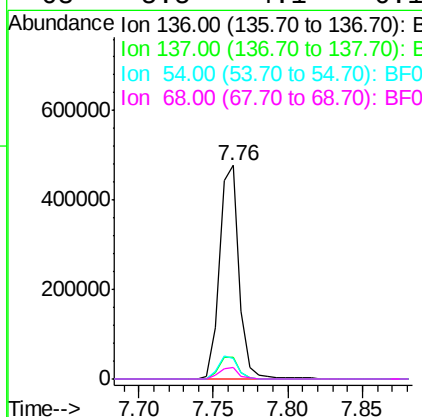
RT: 7.76 min Scan# 999

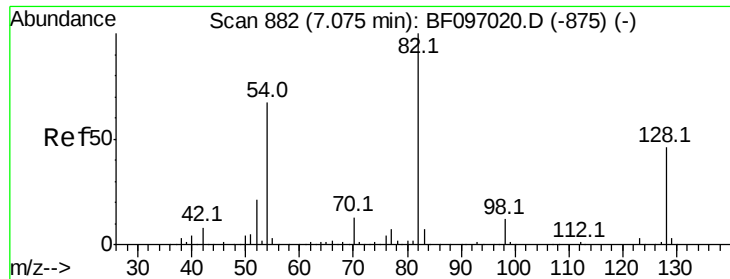
Delta R.T. -0.00 min

Lab File: BF097205.D

Acq: 31 Jul 2017 14:01

Tgt Ion:	136	Resp:	441488
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.5	12.7
54	9.6	4.9	7.3#
68	5.5	4.1	6.1





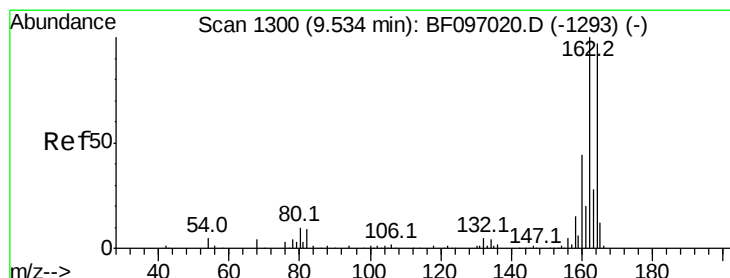
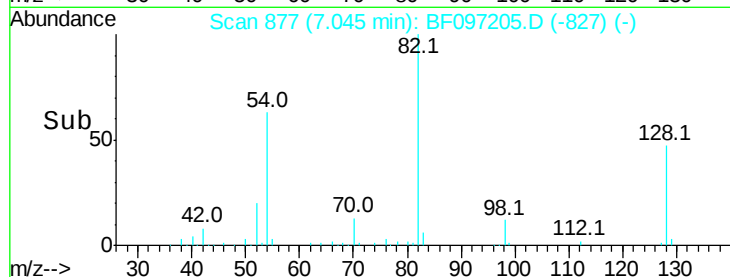
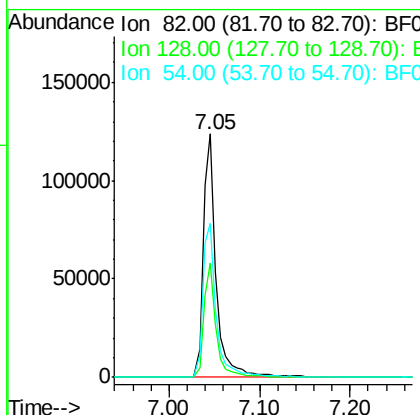
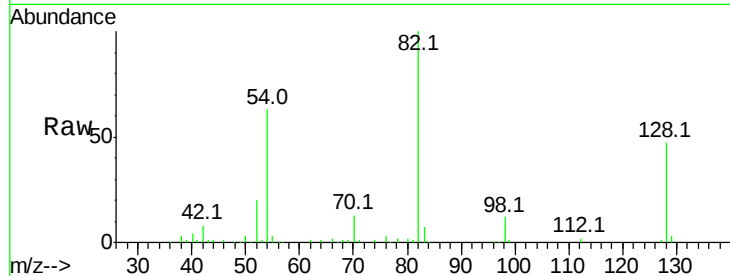
#23
 Nitrobenzene-d5
 Concen: 16.480 ng
 RT: 7.05 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF097205.D
 Acq: 31 Jul 2017 14:01

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	34.0	51.0
54	63.4	42.2	63.2

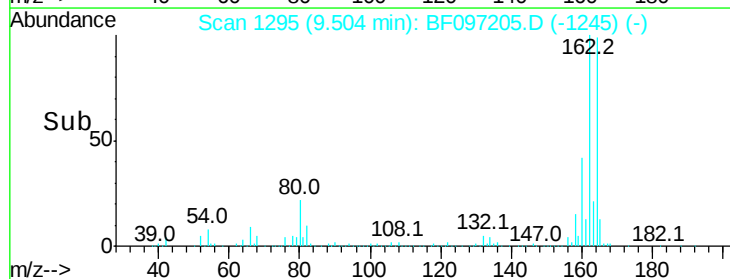
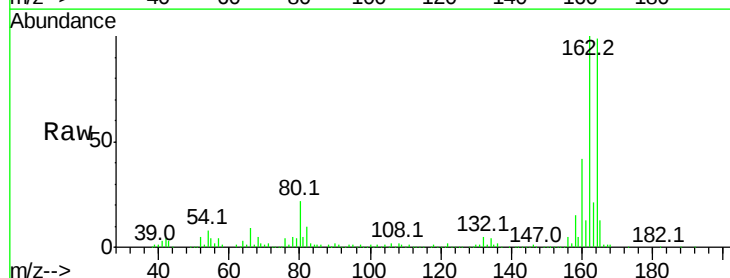
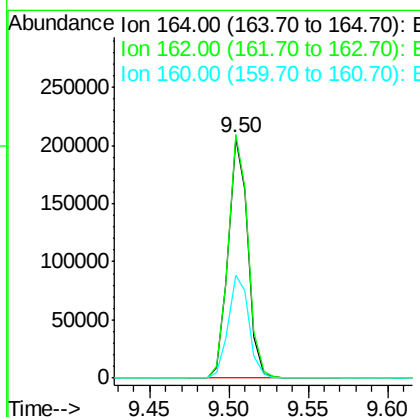
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.50 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF097205.D
 Acq: 31 Jul 2017 14:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.6	123.8
160	42.6	36.2	54.2





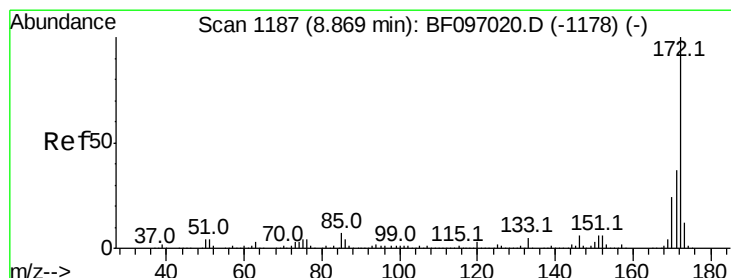
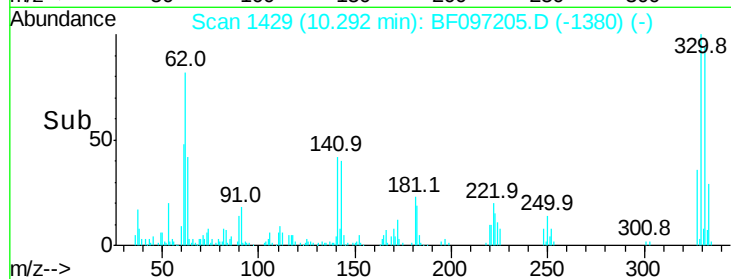
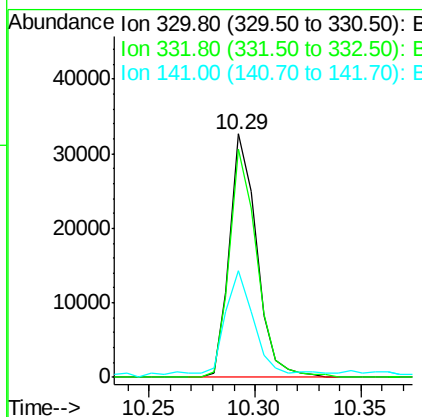
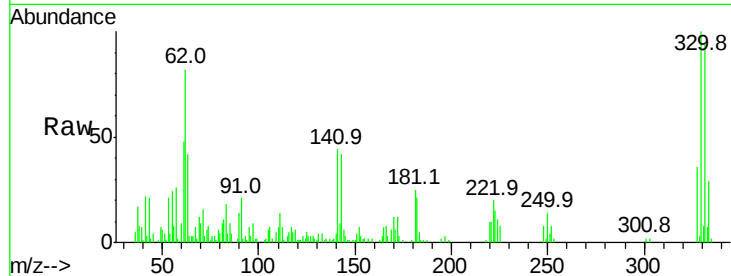
#41
 2,4,6-Tribromophenol
 Concen: 20.678 ng
 RT: 10.29 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF097205.D
 Acq: 31 Jul 2017 14:01

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	76.6	115.0	
141	53.5	31.4	47.2#	

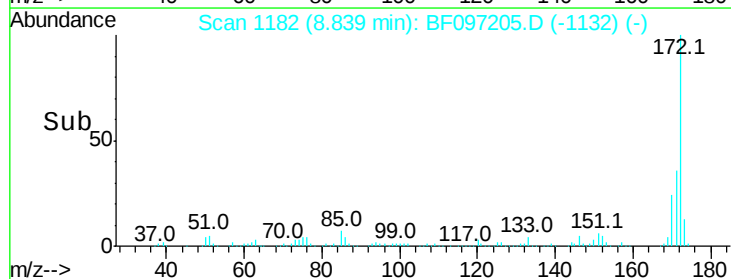
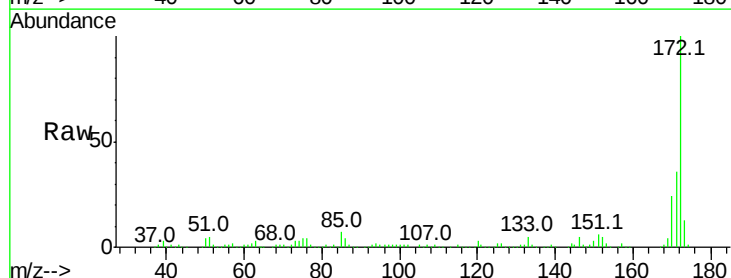
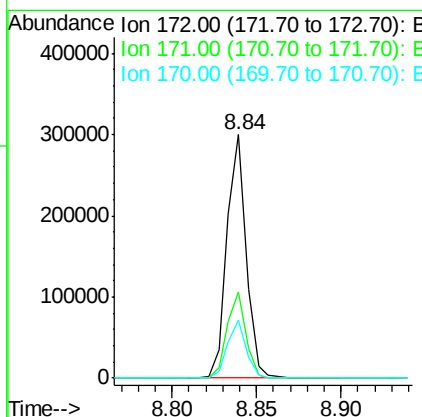
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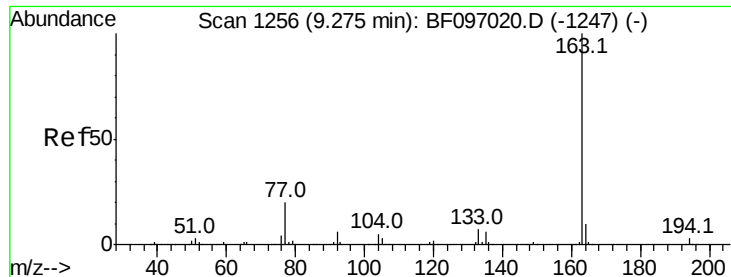
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#44
 2-Fluorobiphenyl
 Concen: 22.758 ng
 RT: 8.84 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF097205.D
 Acq: 31 Jul 2017 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	29.6	44.4	
170	23.8	19.8	29.8	





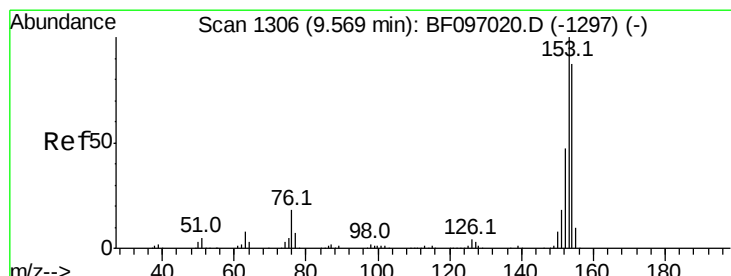
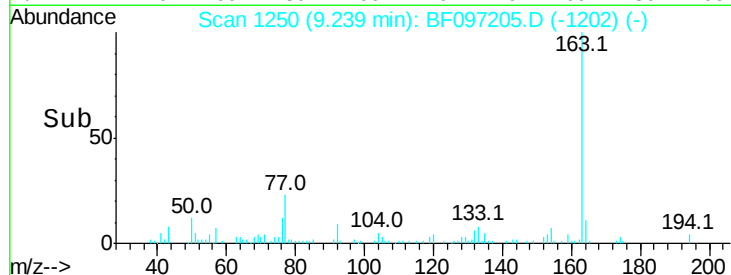
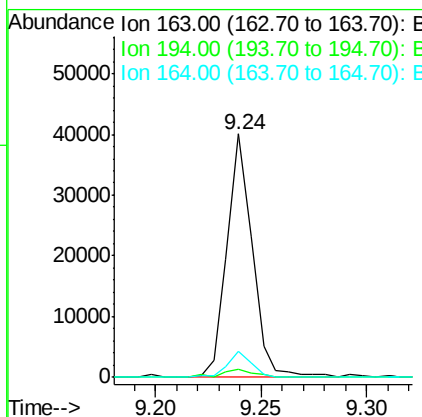
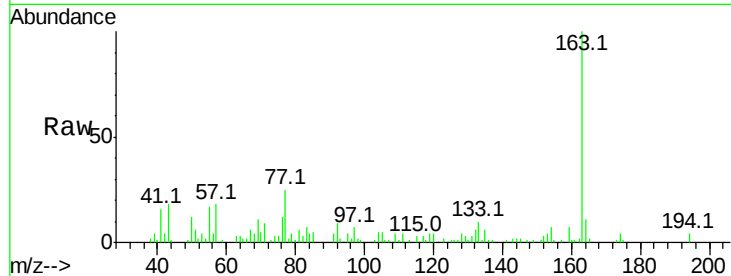
#49
Dimethylphthalate
Concen: 2.484 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF097205.D
Acq: 31 Jul 2017 14:01

Instrument :
BNA_F
ClientSampleId :
HD-02-072617

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.6	4.0	
164	10.9	8.4	12.6	

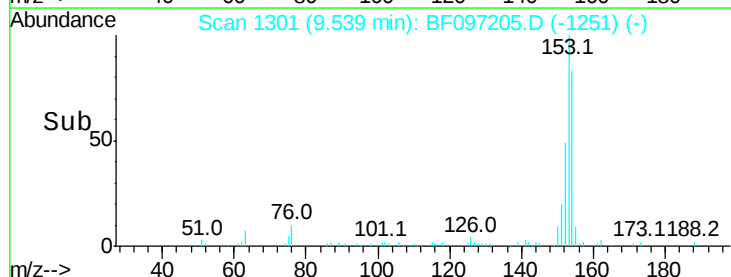
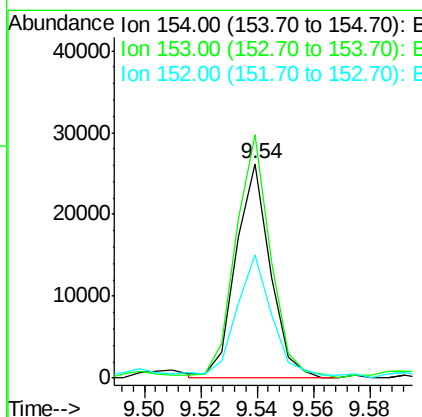
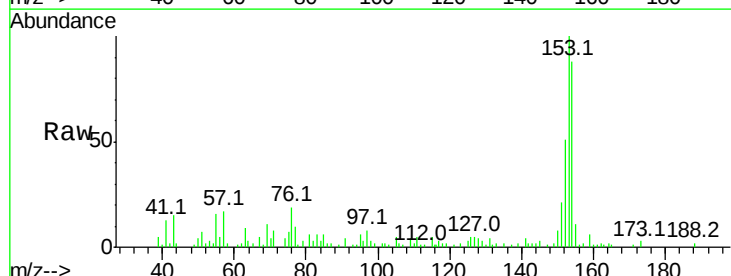
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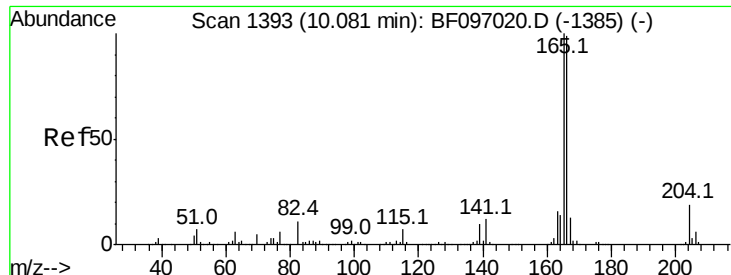
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#51
Acenaphthene
Concen: 2.196 ng
RT: 9.54 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF097205.D
Acq: 31 Jul 2017 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.6	90.5	135.7	
152	57.6	43.6	65.4	





#57

Fluorene

Concen: 2.968 ng

RT: 10.05 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BF097205.D

Acq: 31 Jul 2017 14:01

Instrument :

BNA_F

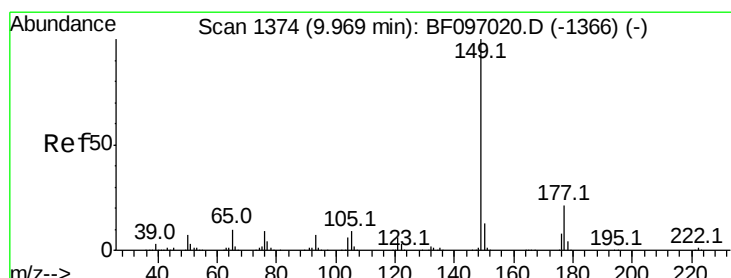
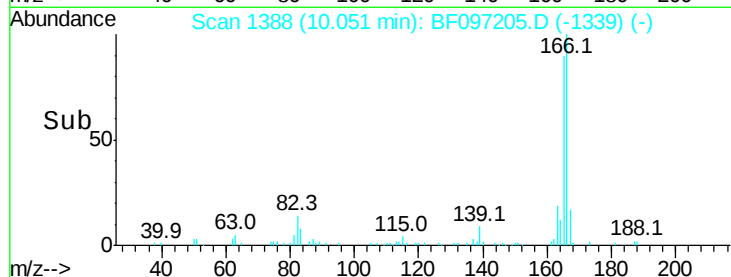
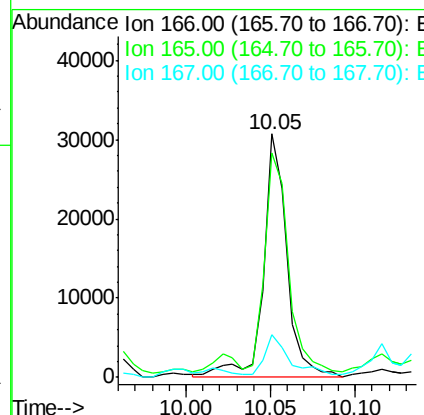
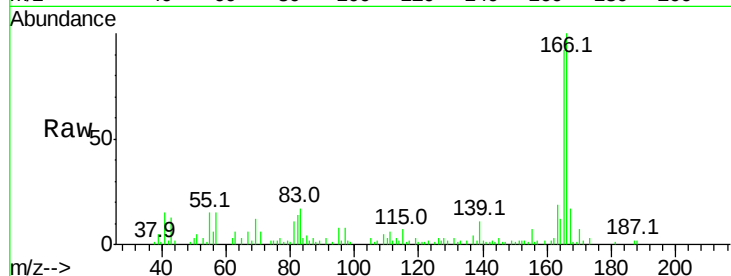
ClientSampleId :

HD-02-072617

Tot Ion:	166	Resp:	29893
Ion Ratio	Lower	Upper	
166	100		
165	92.1	78.8	118.2
167	17.4	10.6	16.0

Manual Integrations
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#59

Diethylphthalate

Concen: 2.661 ng

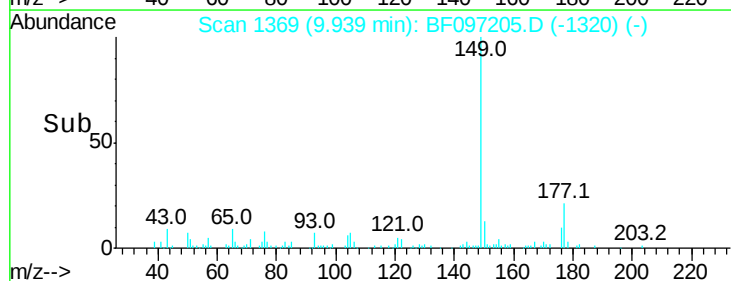
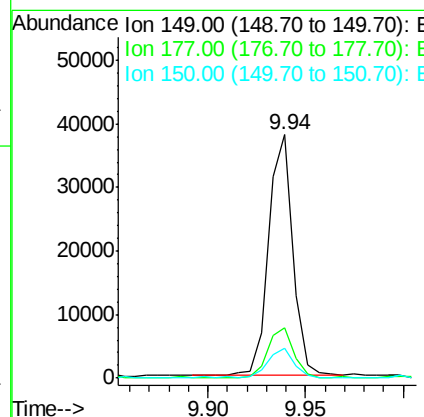
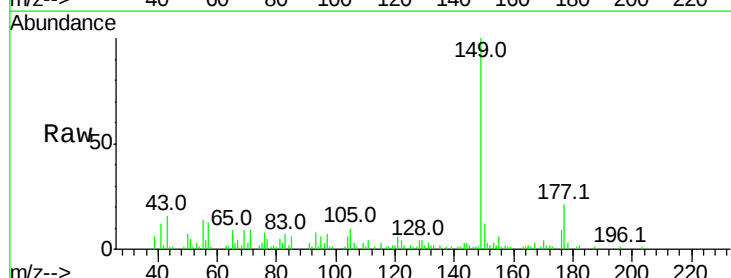
RT: 9.94 min Scan# 1369

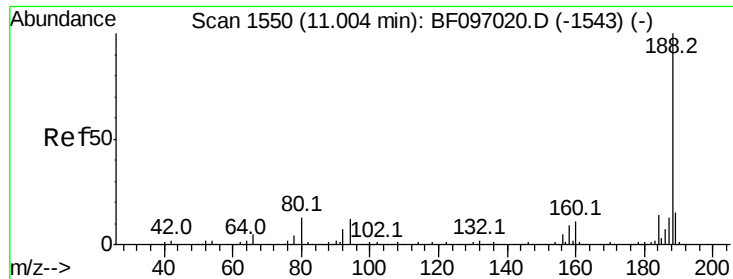
Delta R.T. -0.01 min

Lab File: BF097205.D

Acq: 31 Jul 2017 14:01

Tgt Ion:	149	Resp:	32821
Ion Ratio	Lower	Upper	
149	100		
177	20.8	16.7	25.1
150	12.4	10.2	15.2





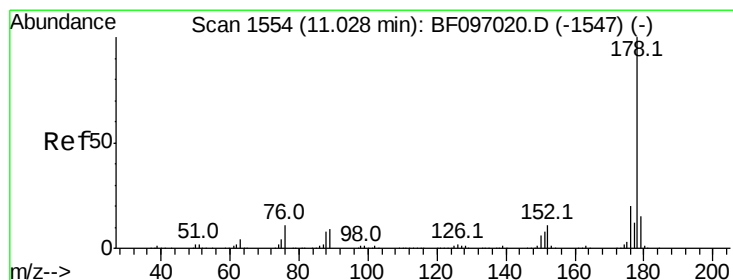
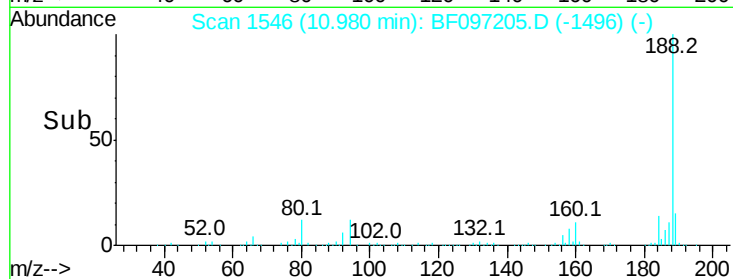
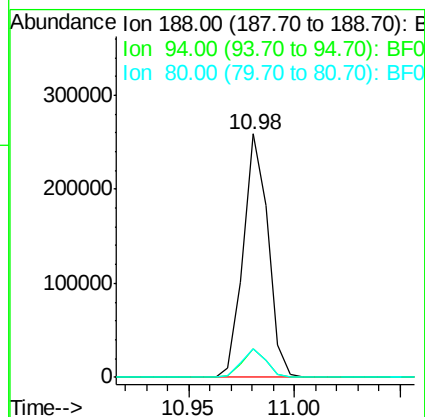
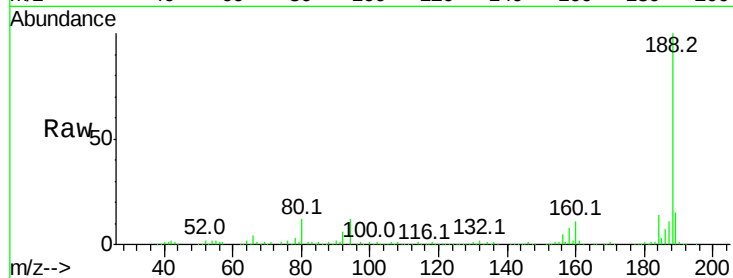
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.98 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BF097205.D
Acq: 31 Jul 2017 14:01

Instrument :
BNA_F
ClientSampleId :
HD-02-072617

Tot Ion	Ratio	Resp	Lower	Upper
188	100	209316		
94	11.7		9.4	14.2
80	11.9		10.2	15.2

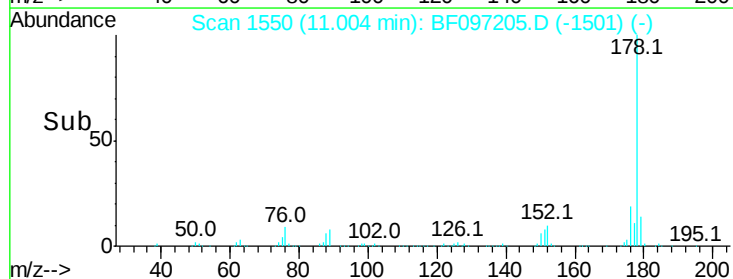
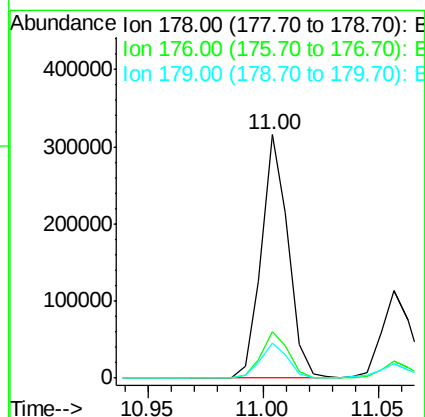
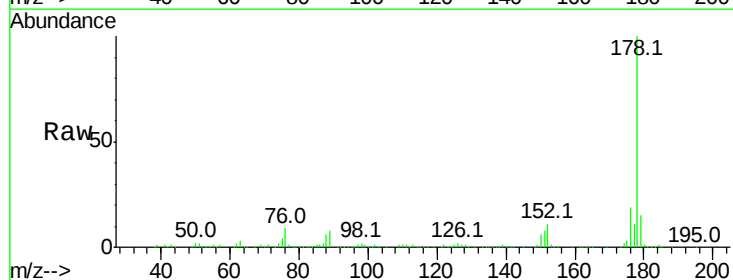
Manual Integrations
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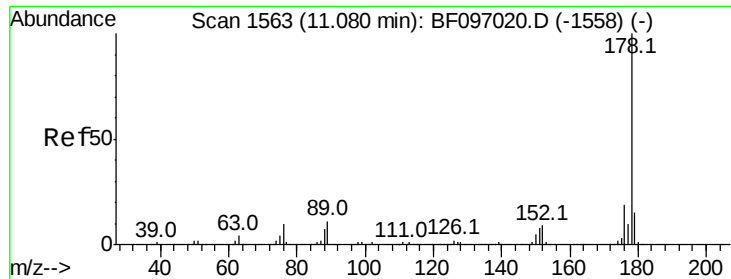
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#70
Phenanthrene
Concen: 22.789 ng
RT: 11.00 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF097205.D
Acq: 31 Jul 2017 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	255589		
176	19.0		16.2	24.4
179	14.6		12.6	19.0





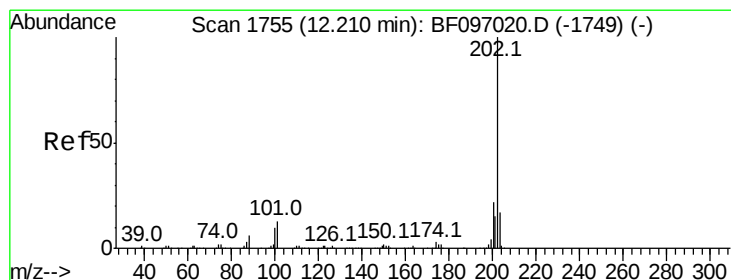
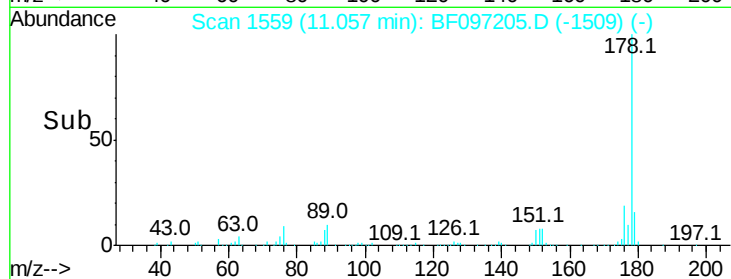
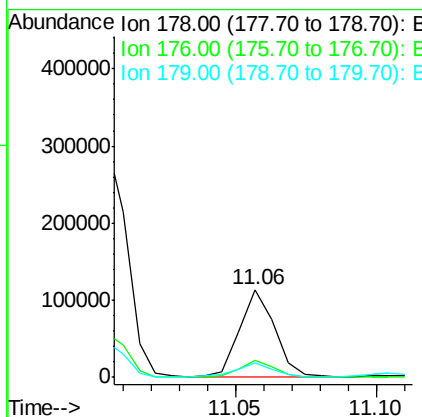
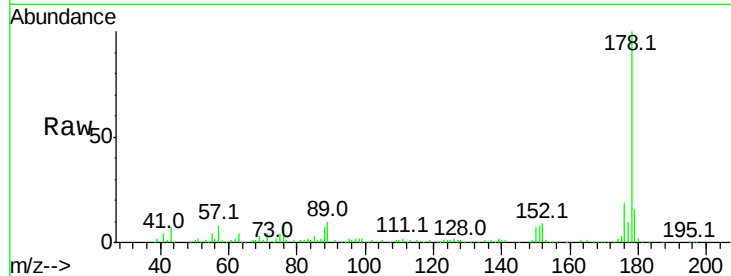
#71
 Anthracene
 Concen: 8.402 ng
 RT: 11.06 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF097205.D
 Acq: 31 Jul 2017 14:01

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.9	12.7	19.1

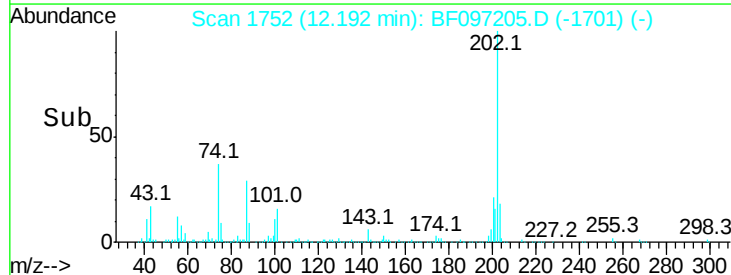
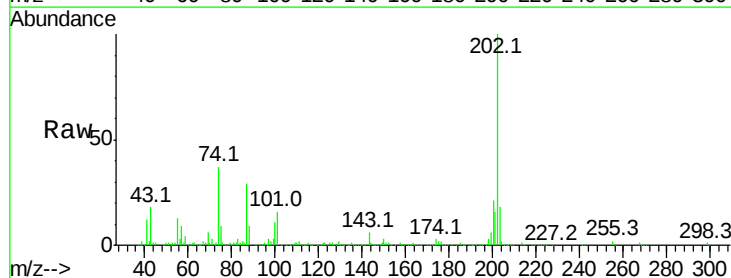
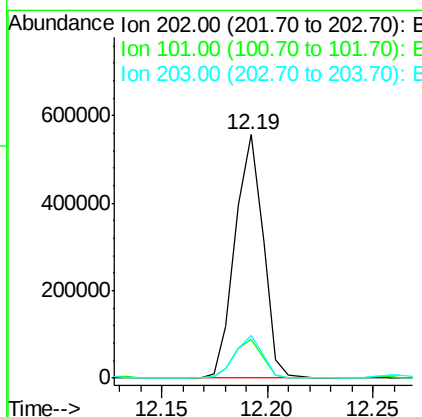
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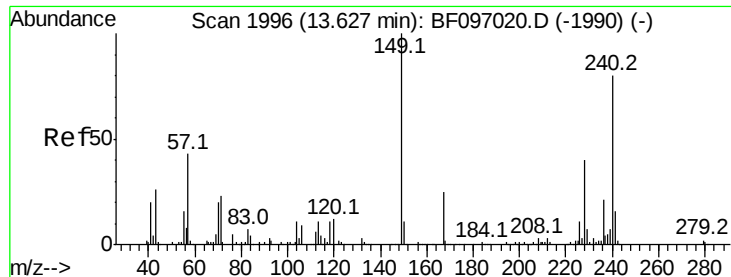
Sohil
 8/1/2017 5:44:28 PM



#74
 Fluoranthene
 Concen: 46.411 ng
 RT: 12.19 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: BF097205.D
 Acq: 31 Jul 2017 14:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.8	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF097205.D

Acq: 31 Jul 2017 14:01

Instrument :

BNA_F

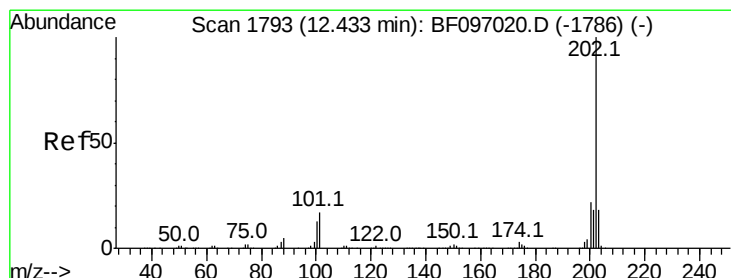
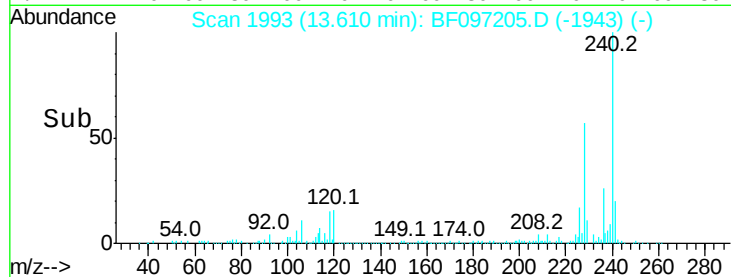
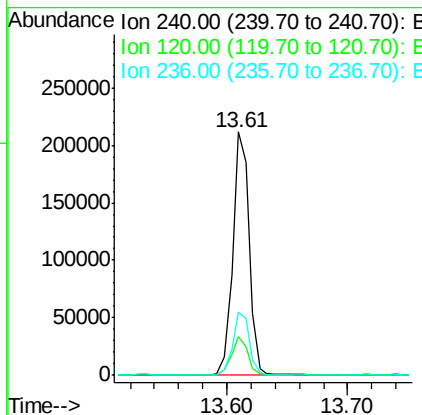
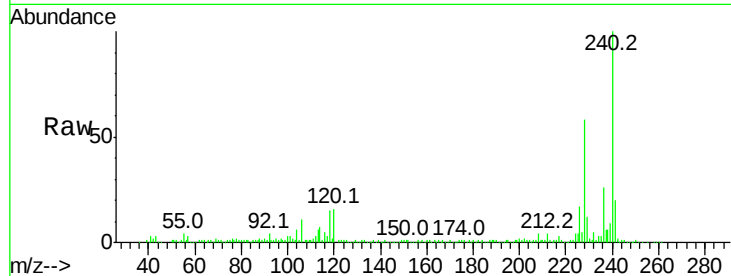
ClientSampleId :

HD-02-072617

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.2	5.8	8.8#
236	26.1	20.5	30.7

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#77

Pyrene

Concen: 29.090 ng

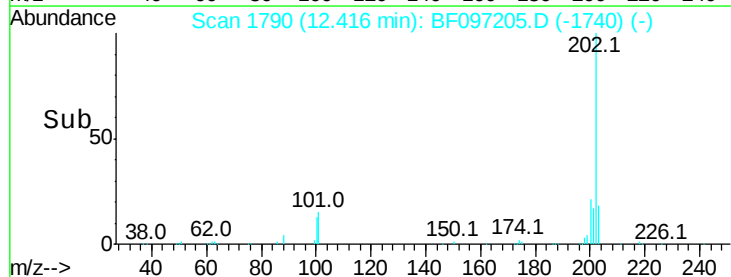
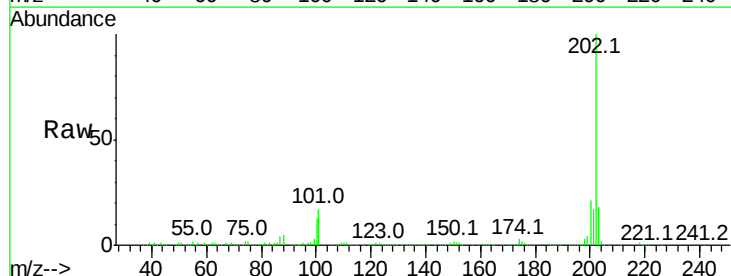
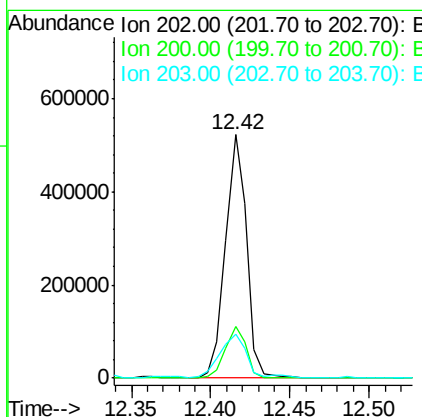
RT: 12.42 min Scan# 1790

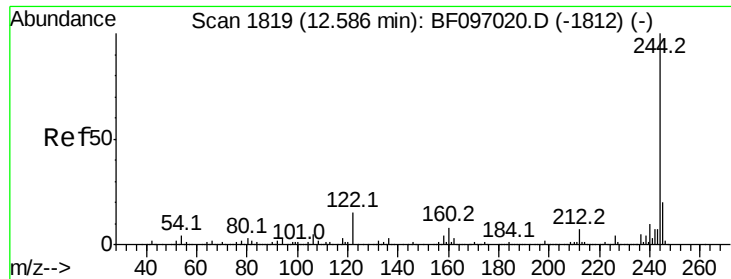
Delta R.T. -0.01 min

Lab File: BF097205.D

Acq: 31 Jul 2017 14:01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	18.0	14.4	21.6





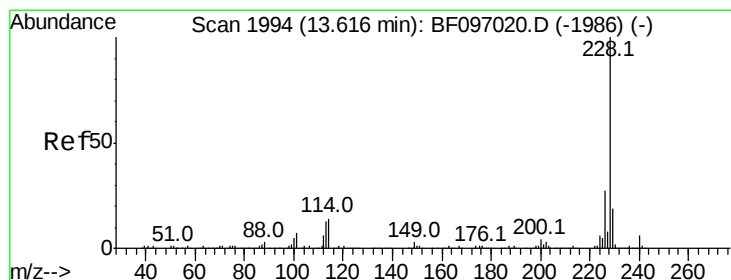
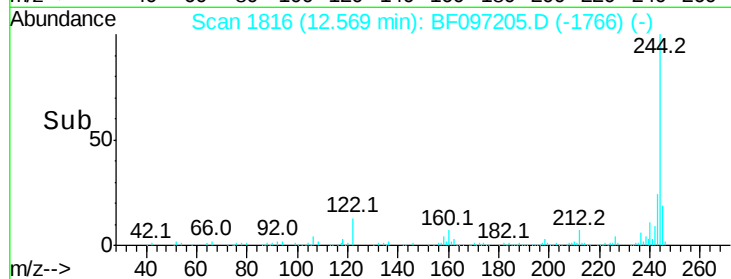
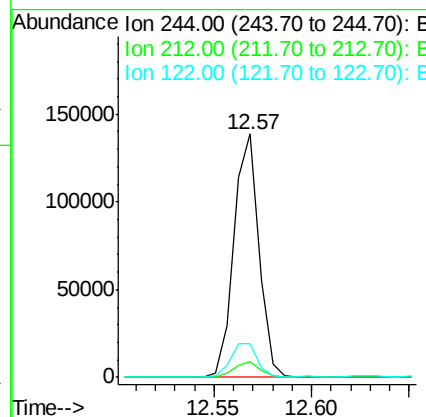
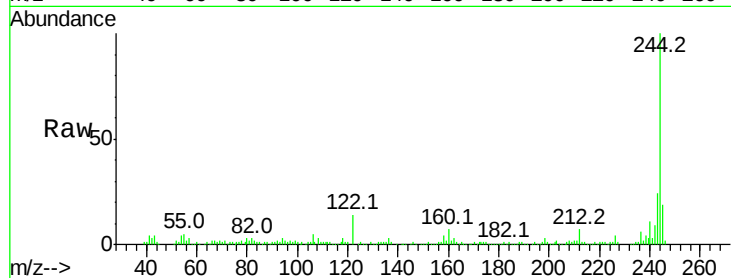
#78
 Terphenyl-d14
 Concen: 12.478 ng
 RT: 12.57 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF097205.D
 Acq: 31 Jul 2017 14:01

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	13.9	10.3	15.5

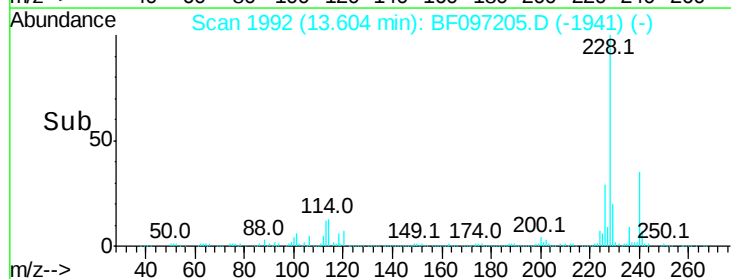
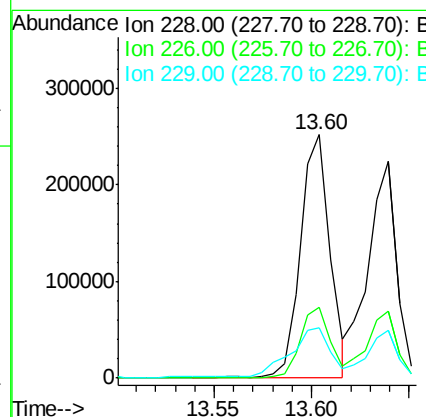
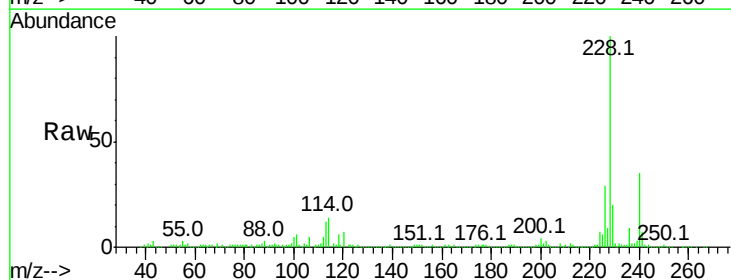
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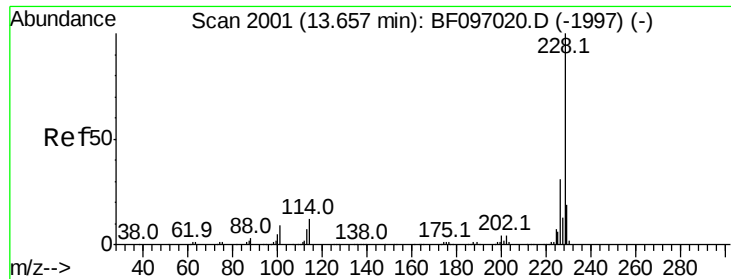
Sohil
 8/1/2017 5:44:28 PM



#80
 Benzo(a)anthracene
 Concen: 20.055 ng
 RT: 13.60 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: BF097205.D
 Acq: 31 Jul 2017 14:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.5	16.3	24.5





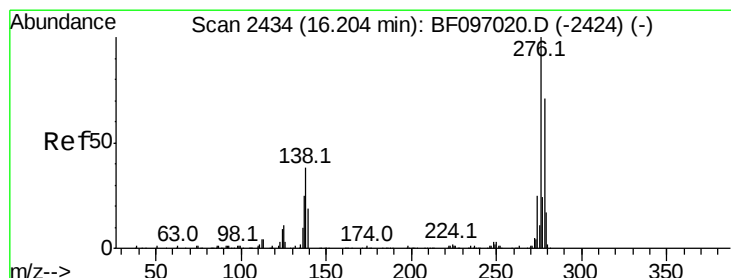
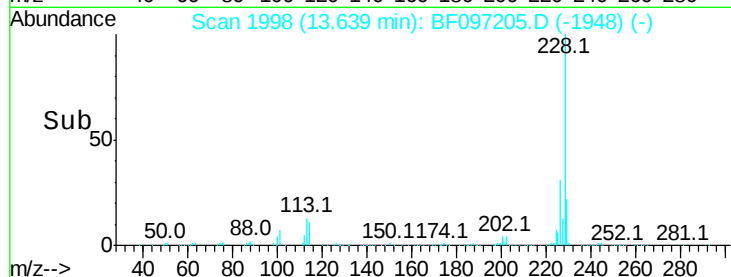
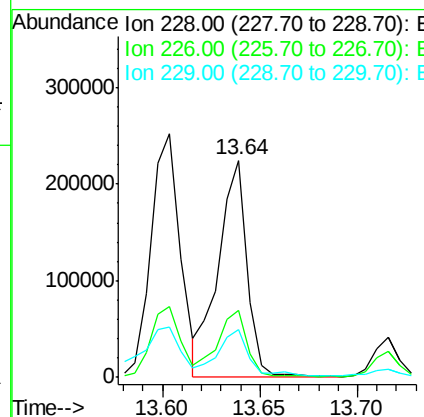
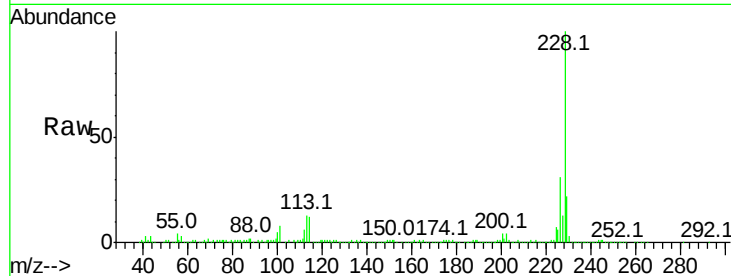
#82
Chrysene
Concen: 18.056 ng
RT: 13.64 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF097205.D
Acq: 31 Jul 2017 14:01

Instrument :
BNA_F
ClientSampleId :
HD-02-072617

Tot Ion:	228	Resp:	229906
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.9	37.3
229	22.2	15.8	23.6

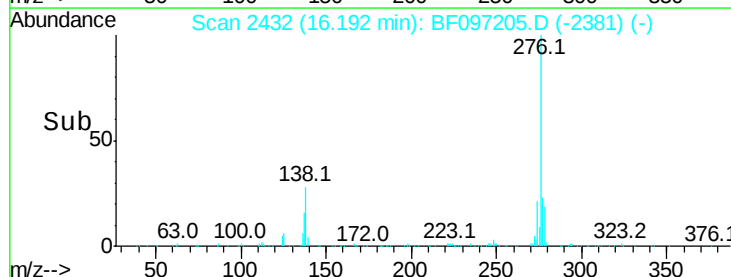
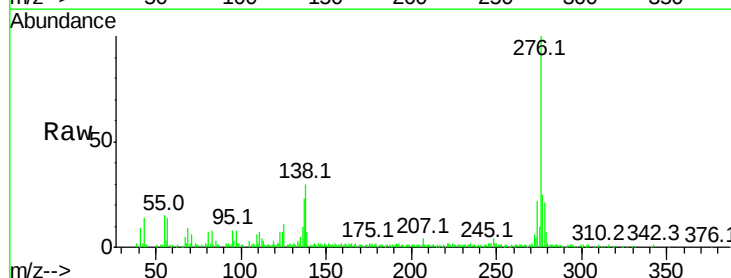
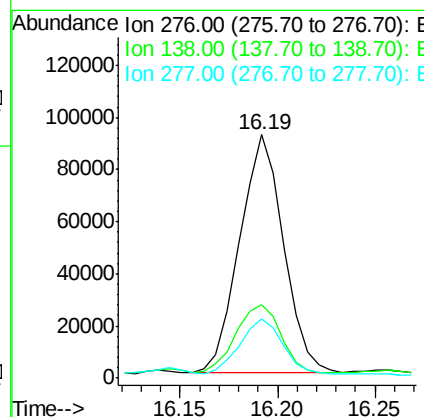
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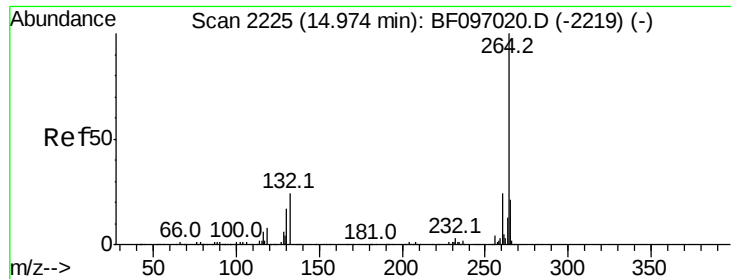
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 13.078 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BF097205.D
Acq: 31 Jul 2017 14:01

Tgt Ion:	276	Resp:	142790
Ion Ratio	Lower	Upper	
276	100		
138	31.0	27.8	41.6
277	22.3	20.2	30.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 14.96 min Scan# 2223

Delta R.T. -0.00 min

Lab File: BF097205.D

Acq: 31 Jul 2017 14:01

Instrument :

BNA_F

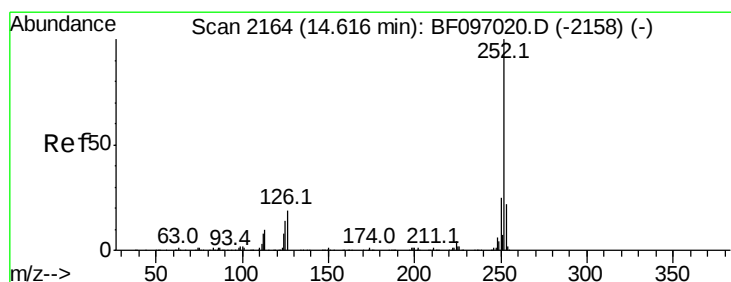
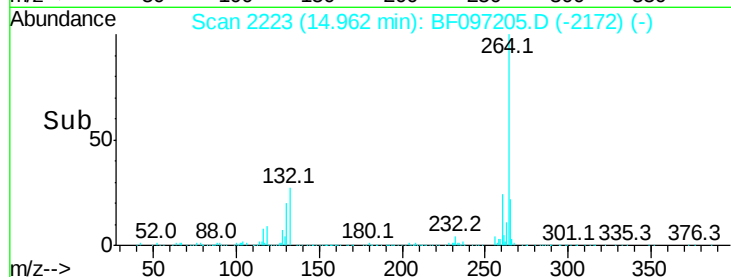
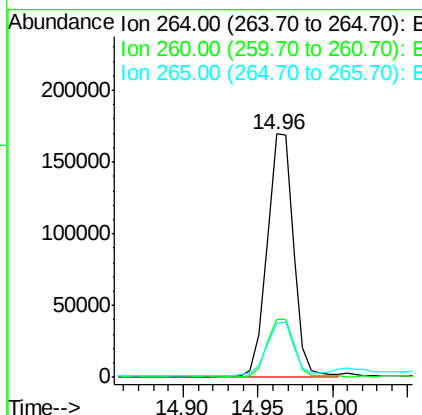
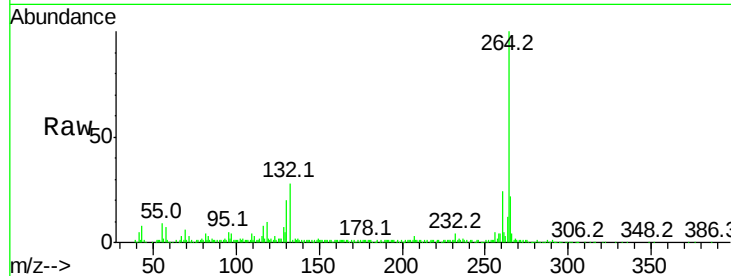
ClientSampleId :

HD-02-072617

Tot Ion:	264	Resp:	206186
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.5	29.3
265	22.1	17.2	25.8

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 26.725 ng m

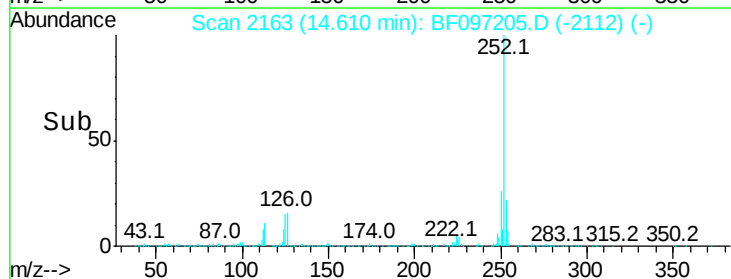
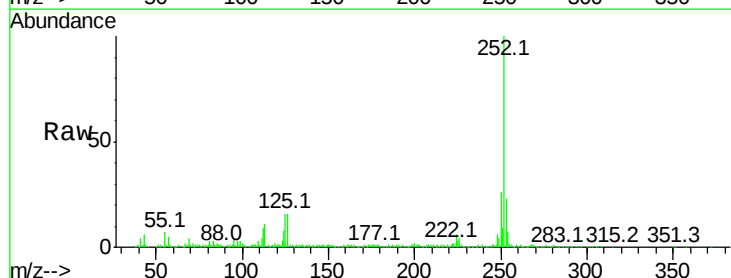
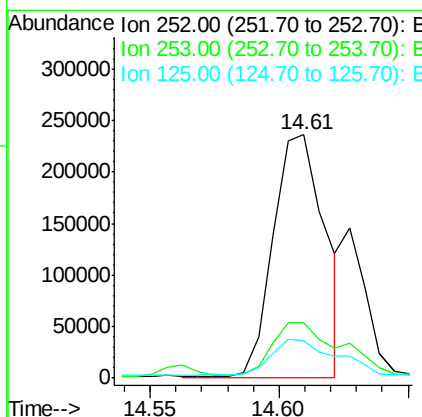
RT: 14.61 min Scan# 2163

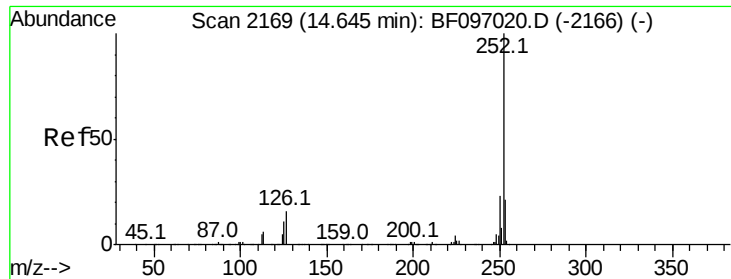
Delta R.T. -0.00 min

Lab File: BF097205.D

Acq: 31 Jul 2017 14:01

Tgt Ion:	252	Resp:	331239
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	15.7	9.8	14.8#





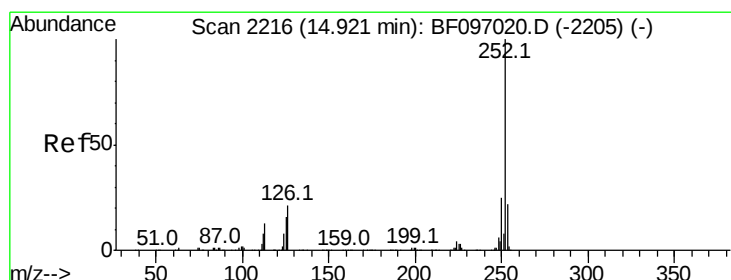
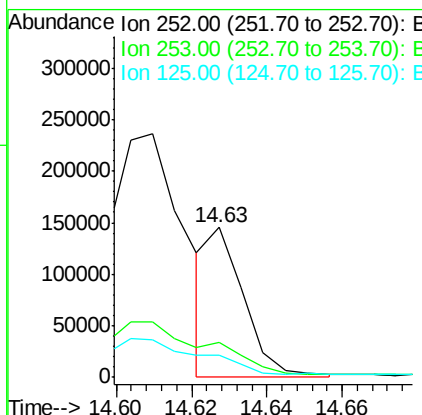
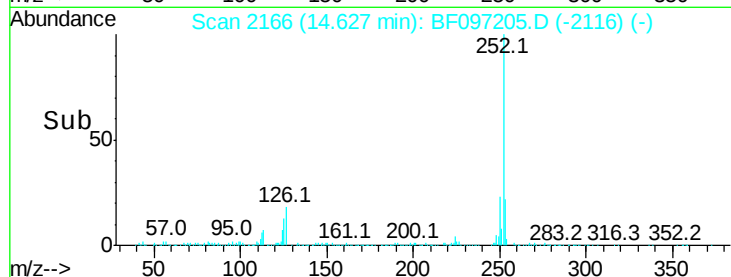
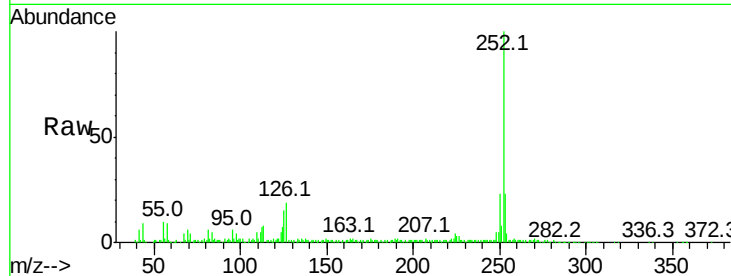
#88
 Benzo(k)fluoranthene
 Concen: 8.073 ng m
 RT: 14.63 min Scan# 2166
 Delta R.T. -0.01 min
 Lab File: BF097205.D
 Acq: 31 Jul 2017 14:01

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	14.6	13.1	19.7

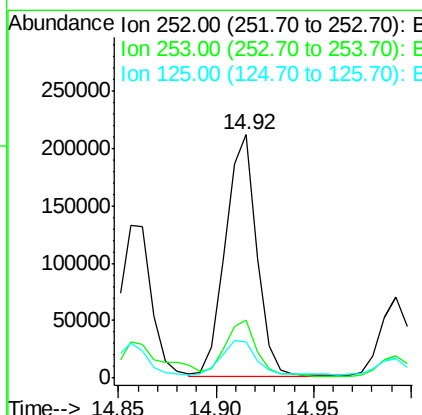
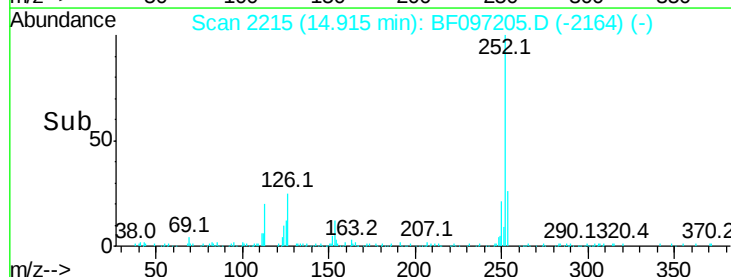
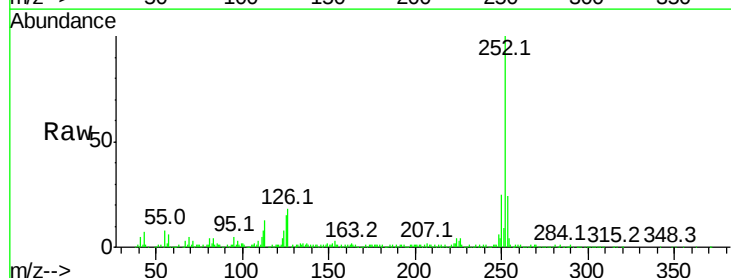
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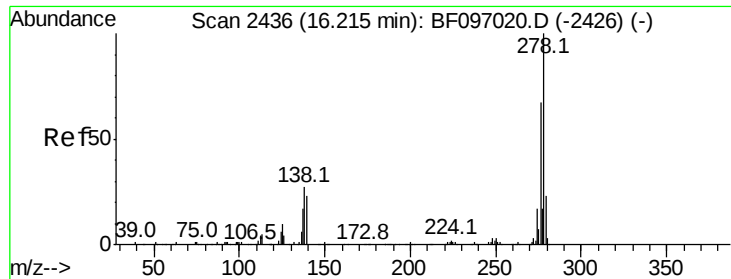
Sohil
 8/1/2017 5:44:28 PM



#89
 Benzo(a)pyrene
 Concen: 20.801 ng
 RT: 14.92 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: BF097205.D
 Acq: 31 Jul 2017 14:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	14.9	11.0	16.4





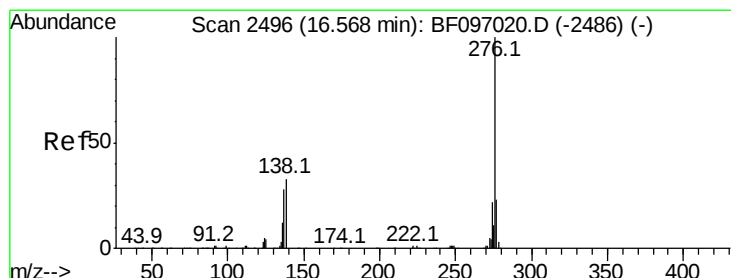
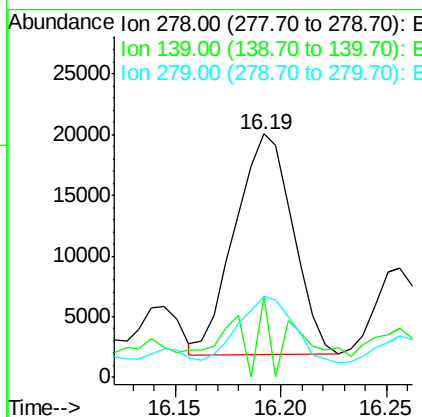
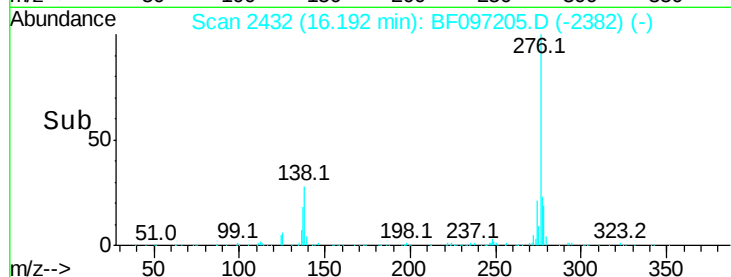
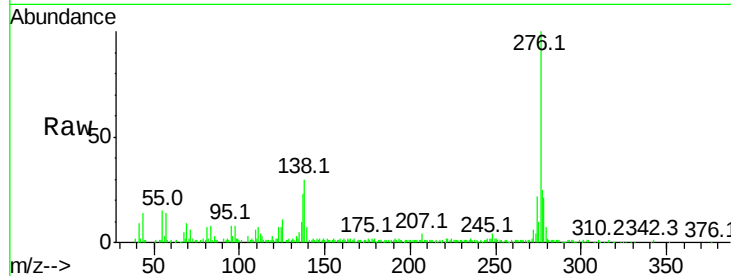
#90
Dibenzo(a,h)anthracene
Concen: 3.714 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF097205.D
Acq: 31 Jul 2017 14:01

Instrument :
BNA_F
ClientSampleId :
HD-02-072617

Tot Ion	Ratio	Lower	Upper
278	100		
139	33.3	16.6	24.8#
279	33.6	19.3	28.9#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 13.809 ng
RT: 16.56 min Scan# 2494
Delta R.T. 0.01 min
Lab File: BF097205.D
Acq: 31 Jul 2017 14:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	28.0
138	34.7	25.4	38.0

