

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097165.D
 Acq On : 28 Jul 2017 20:31
 Operator : SJ/JU
 Sample : I4466-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

Manual Integrations
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Quant Time: Jul 28 23:18:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	129689	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	516428	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	186247	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	238330	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	211553	20.00	ng	-0.01
86) Perylene-d12	14.97	264	172783	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.08	112	212061	24.65	ng	-0.02
7) Phenol-d6	6.15	99	264578	26.94	ng	-0.02
23) Nitrobenzene-d5	7.05	82	139266	15.82	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	31688	21.53	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	239517	21.82	ng	-0.02
78) Terphenyl-d14	12.57	244	135523	13.06	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.25	163	33759	2.387	ng	98
51) Acenaphthene	9.55	154	22906	2.164	ng	99
57) Fluorene	10.06	166	26844	2.533	ng	# 94
59) Diethylphthalate	9.95	149	35866	2.764	ng	100
70) Phenanthrene	11.01	178	275291	21.558	ng	98
71) Anthracene	11.06	178	100609	7.692	ng	98
74) Fluoranthene	12.20	202	515717	41.224	ng	96
77) Pyrene	12.42	202	497135	28.704	ng	99
80) Benzo(a)anthracene	13.60	228	268392	19.607	ng	99
82) Chrysene	13.64	228	225267	16.853	ng	97
85) Indeno(1,2,3-cd)pyrene	16.19	276	99777	8.706	ng	93
87) Benzo(b)fluoranthene	14.61	252	272044m	26.192	ng	
88) Benzo(k)fluoranthene	14.63	252	91174m	9.212	ng	
89) Benzo(a)pyrene	14.92	252	183193	19.272	ng	97
90) Dibenzo(a,h)anthracene	16.19	278	23471	3.011	ng	# 70
91) Benzo(g,h,i)perylene	16.56	276	91644	11.211	ng	98

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

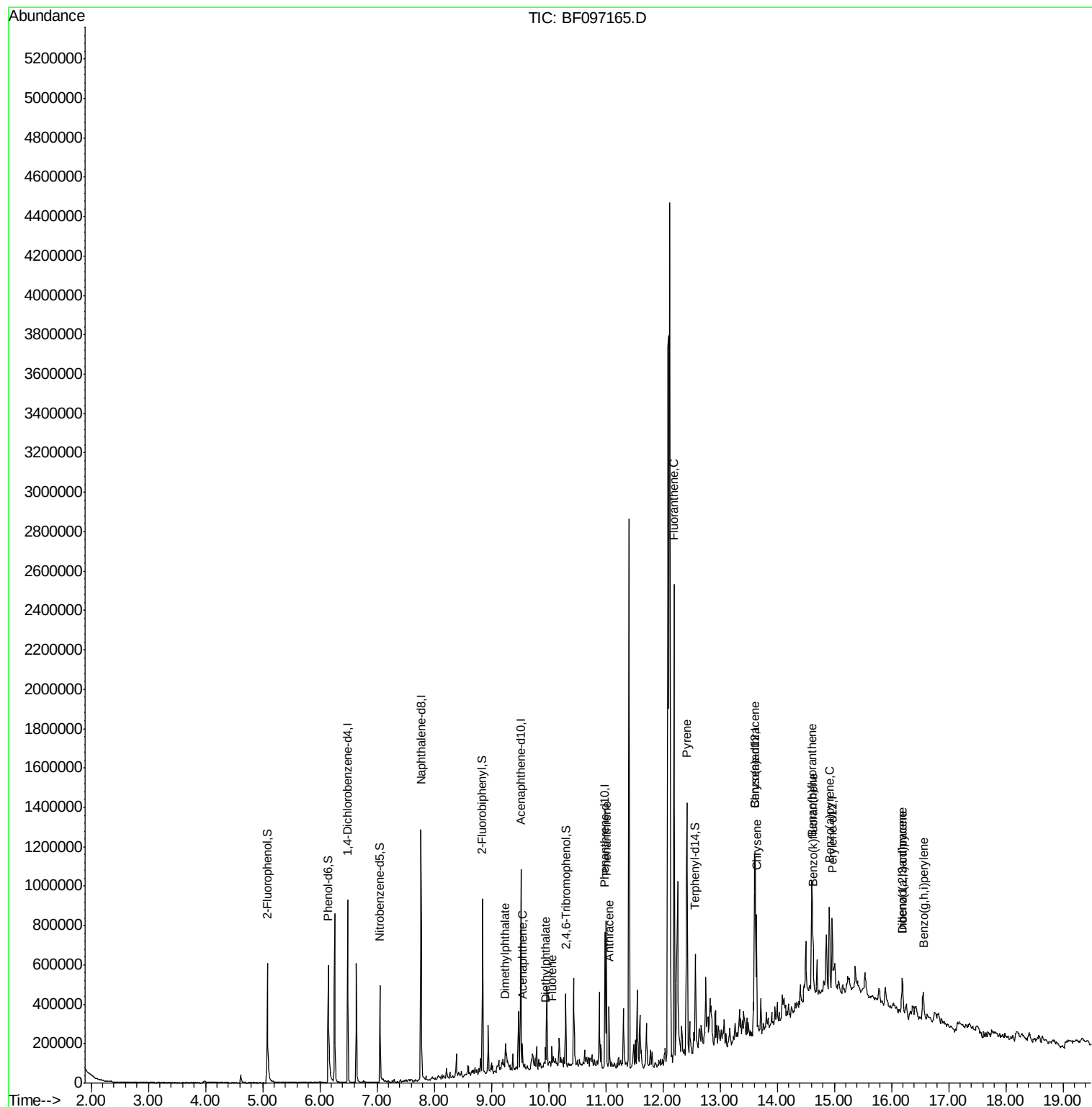
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
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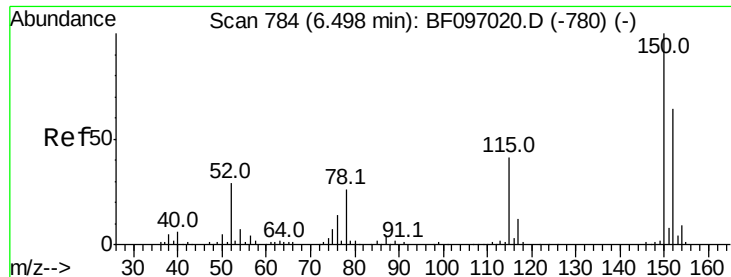
Instrument :
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#1

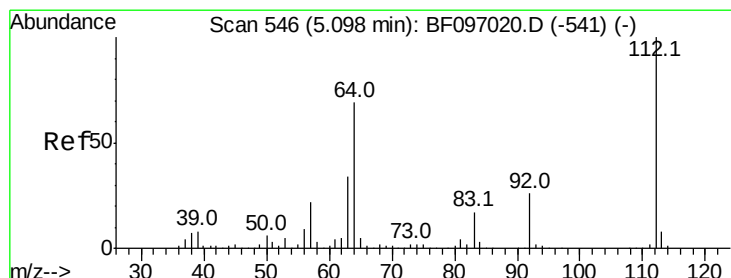
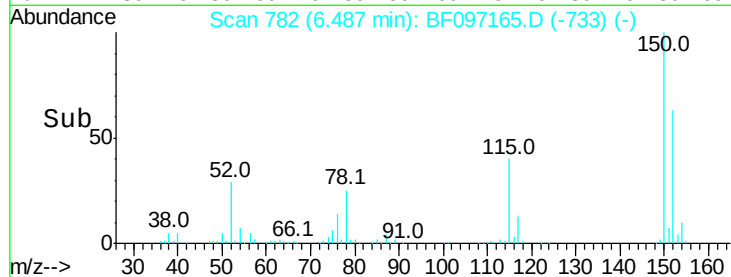
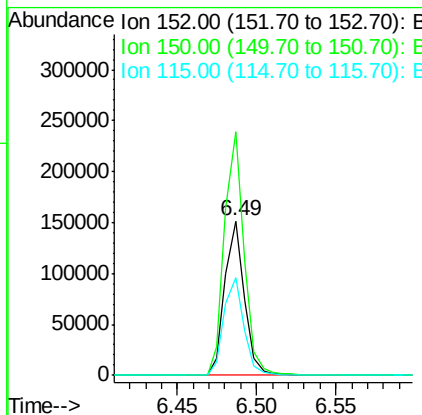
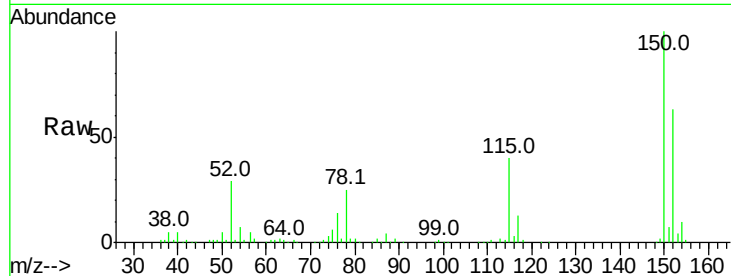
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097165.D
Acq: 28 Jul 2017 20:31

Instrument :
BNA_F
ClientSampleId :
HD-02-072617

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.2	189.2
115	63.7	52.2	78.2

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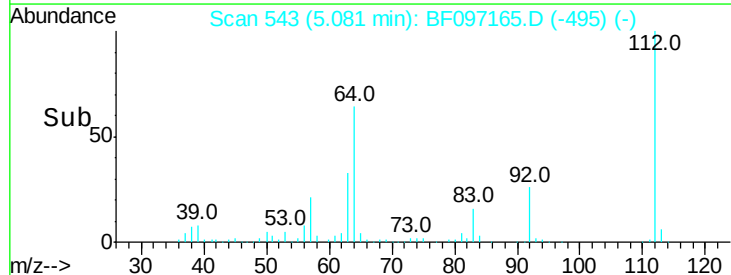
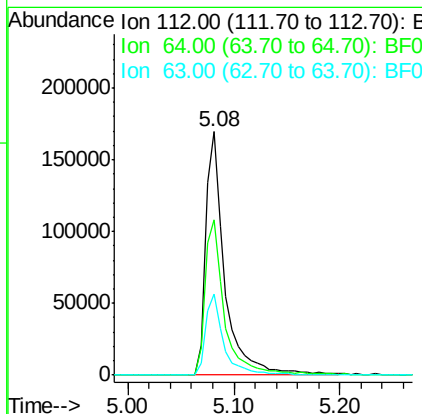
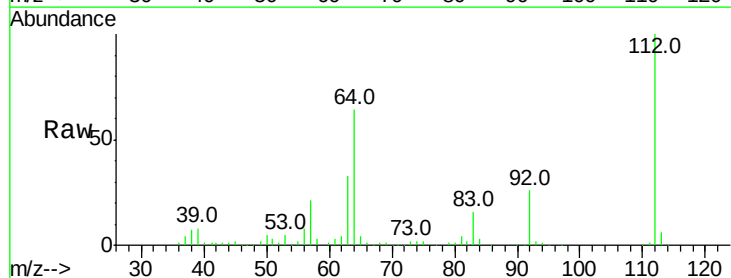
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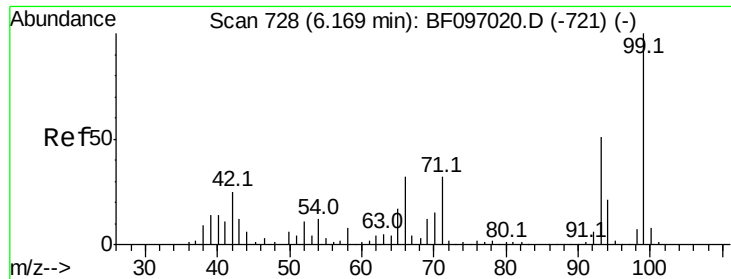


#5

2-Fluorophenol
Concen: 24.650 ng
RT: 5.08 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF097165.D
Acq: 28 Jul 2017 20:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	46.0	69.0
63	33.3	23.4	35.0





#7

Phenol-d6

Concen: 26.939 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097165.D

Acq: 28 Jul 2017 20:31

Instrument :

BNA_F

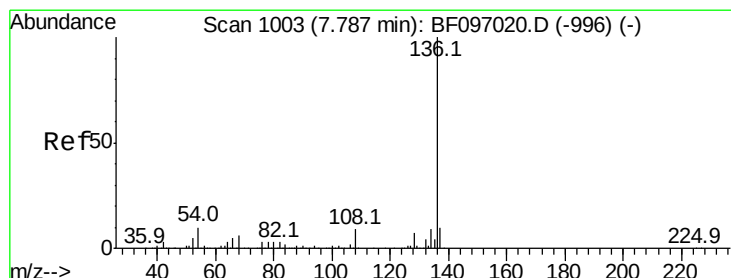
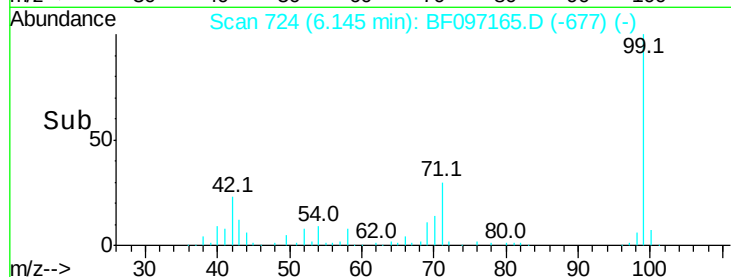
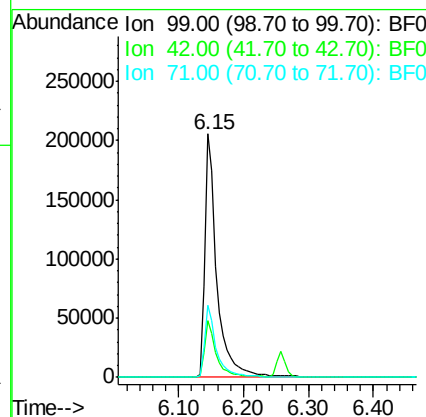
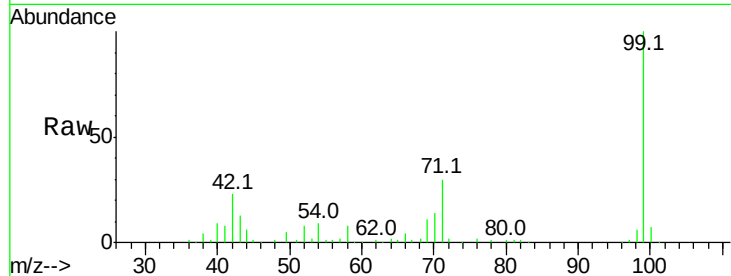
ClientSampleId :

HD-02-072617

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		264578		
42	23.3	13.5	20.3#		
71	29.8	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

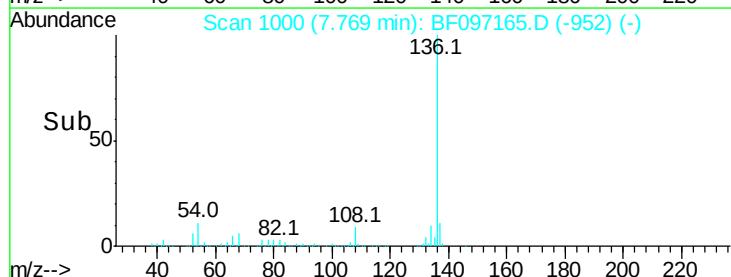
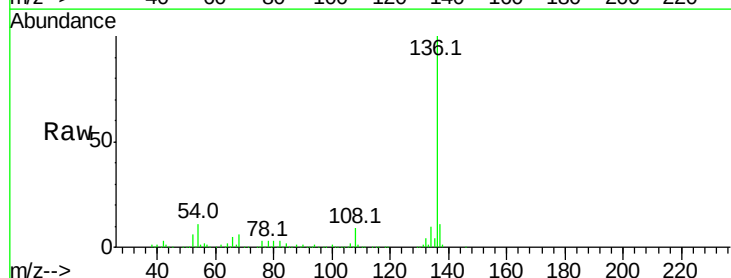
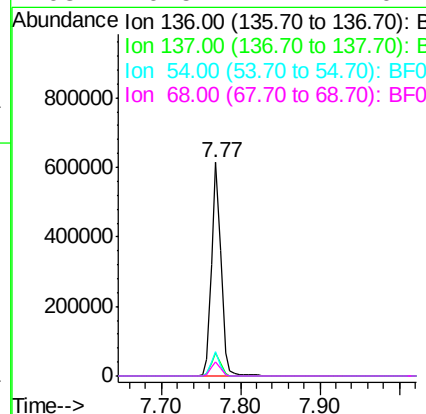
RT: 7.77 min Scan# 1000

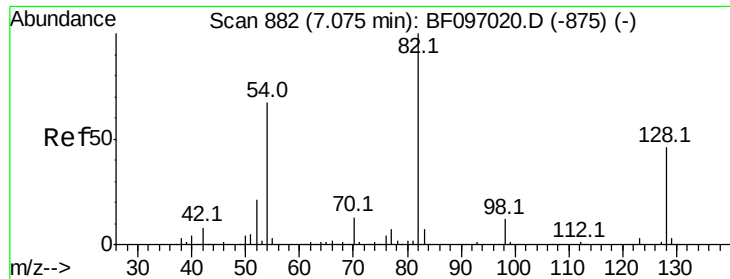
Delta R.T. -0.02 min

Lab File: BF097165.D

Acq: 28 Jul 2017 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		516428		
137	10.7	8.5	12.7		
54	11.2	4.9	7.3#		
68	6.5	4.1	6.1#		





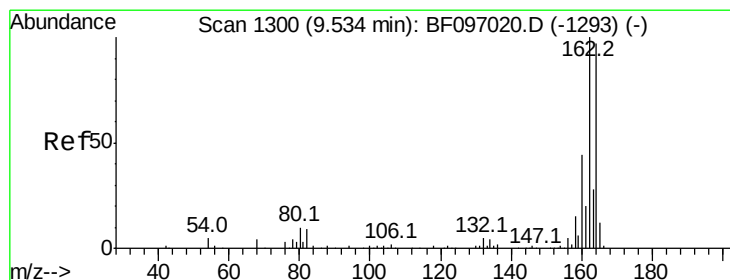
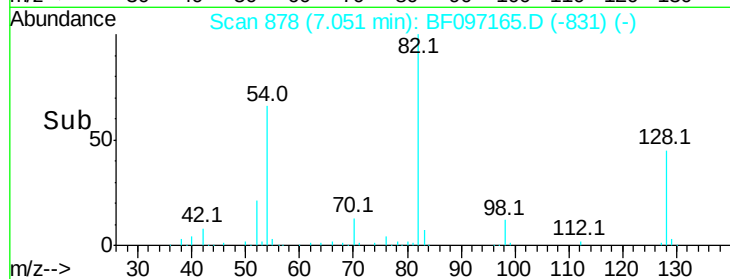
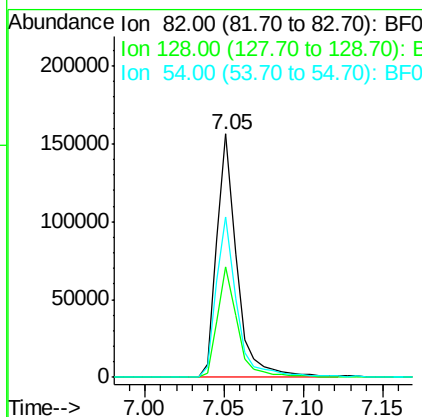
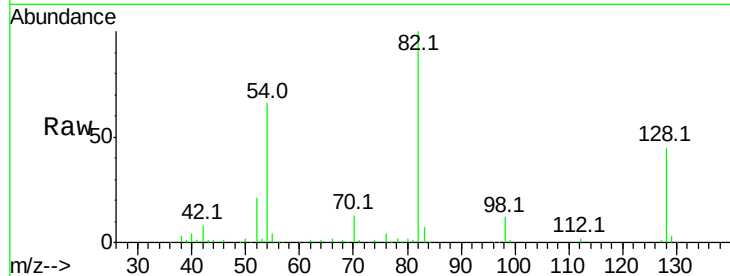
#23
 Nitrobenzene-d5
 Concen: 15.820 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: BF097165.D
 Acq: 28 Jul 2017 20:31

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.0	51.0
54	65.8	42.2	63.2

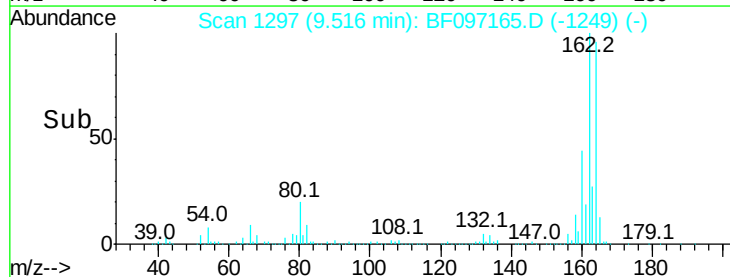
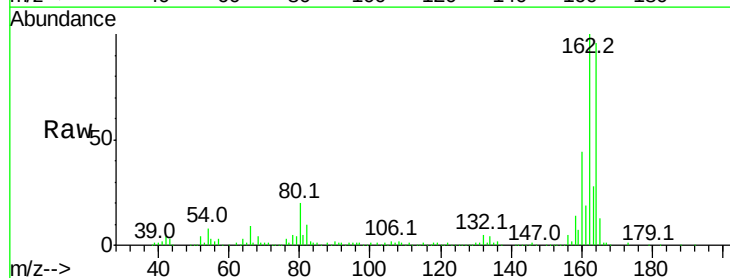
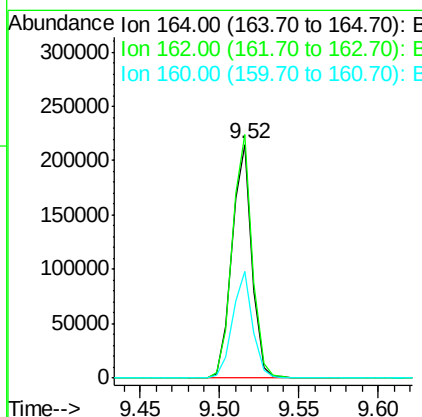
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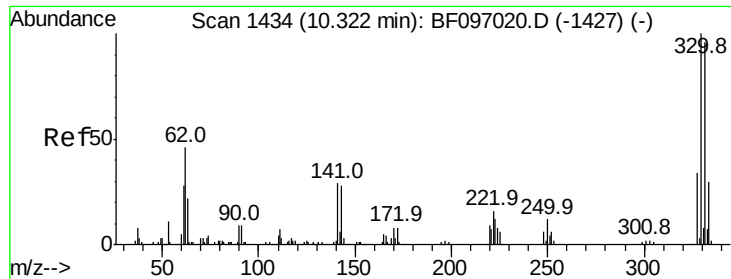
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF097165.D
 Acq: 28 Jul 2017 20:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.6	123.8
160	45.9	36.2	54.2





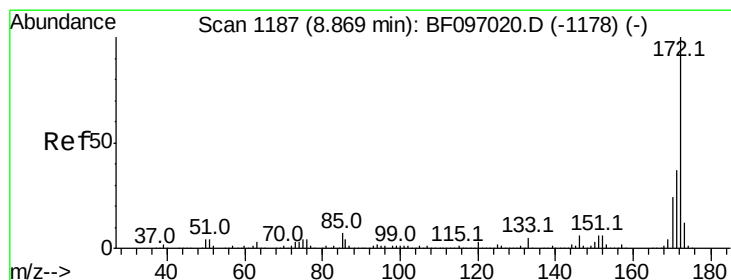
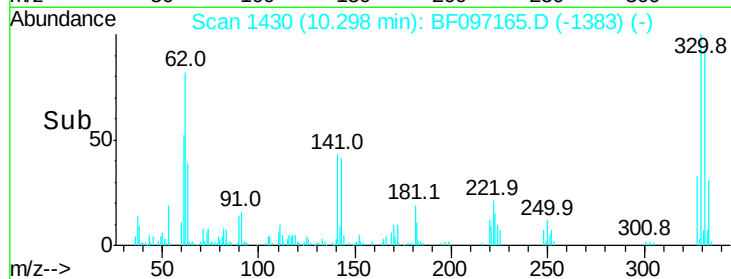
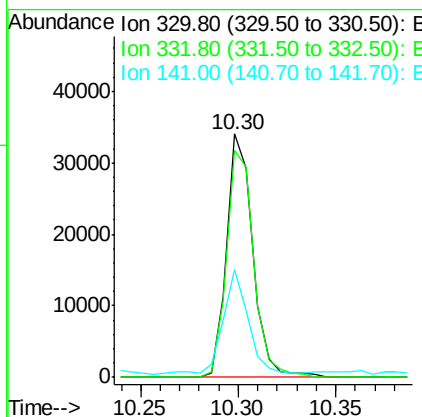
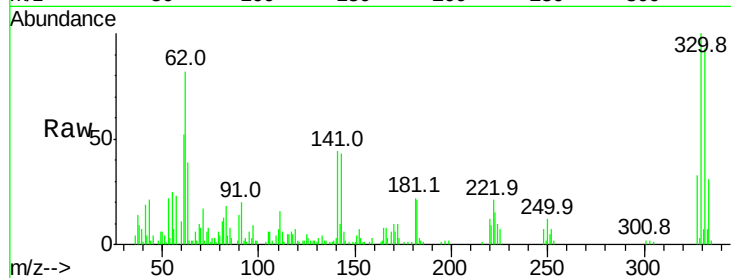
#41
 2,4,6-Tribromophenol
 Concen: 21.534 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097165.D
 Acq: 28 Jul 2017 20:31

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	40.9	31.4	47.2

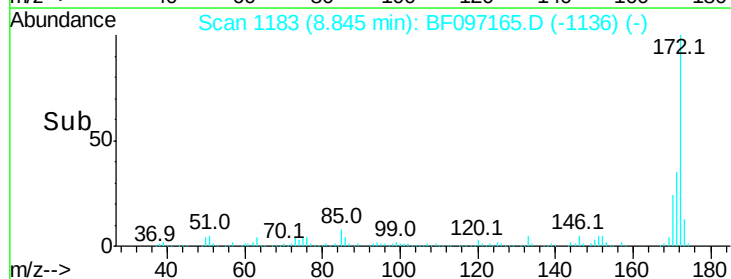
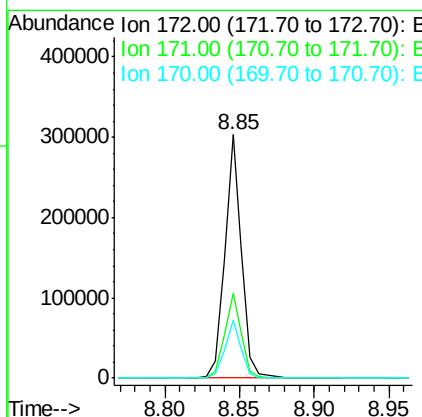
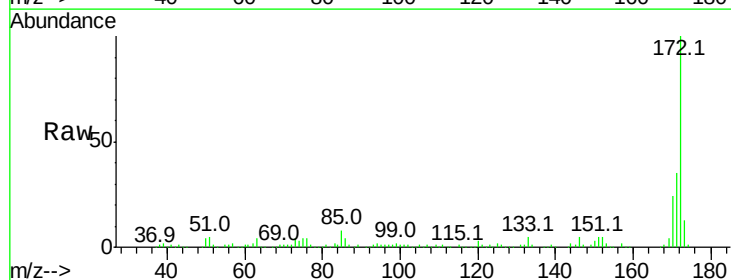
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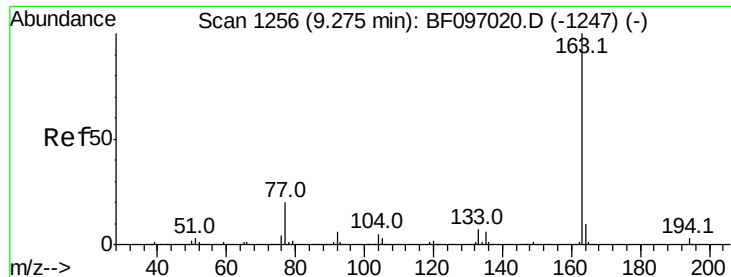
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#44
 2-Fluorobiphenyl
 Concen: 21.825 ng
 RT: 8.85 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF097165.D
 Acq: 28 Jul 2017 20:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	23.6	19.8	29.8





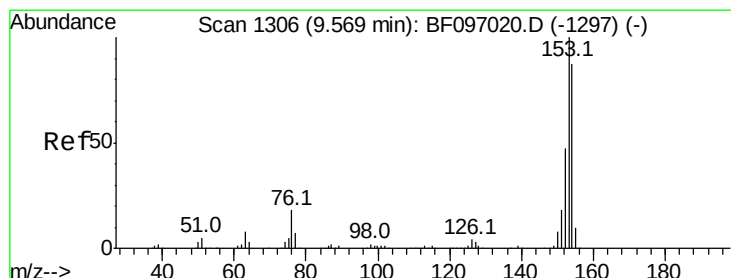
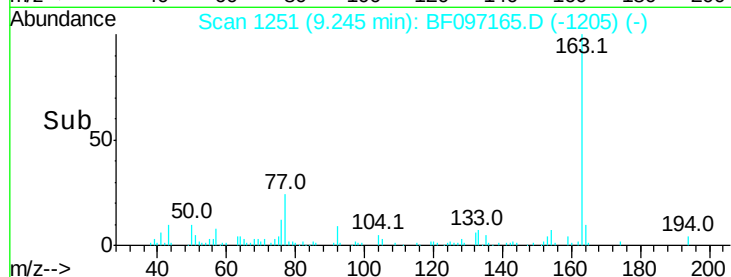
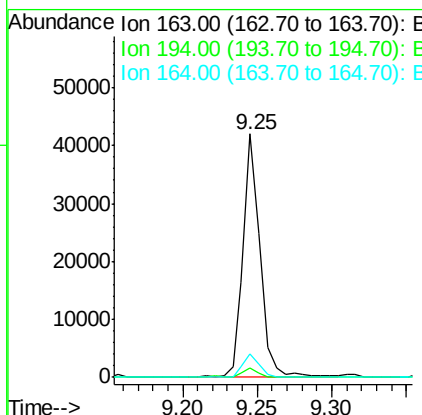
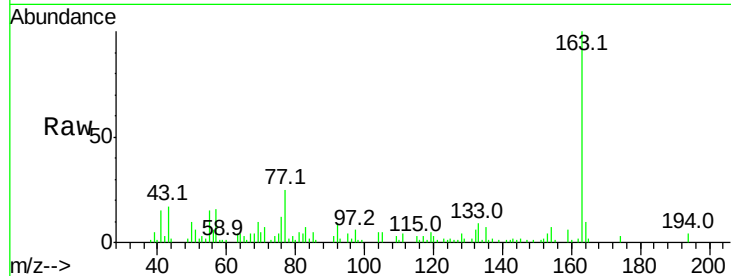
#49
 Dimethylphthalate
 Concen: 2.387 ng
 RT: 9.25 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BF097165.D
 Acq: 28 Jul 2017 20:31

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

Tot Ion:	163	Resp:	33759
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.6	4.0
164	9.7	8.4	12.6

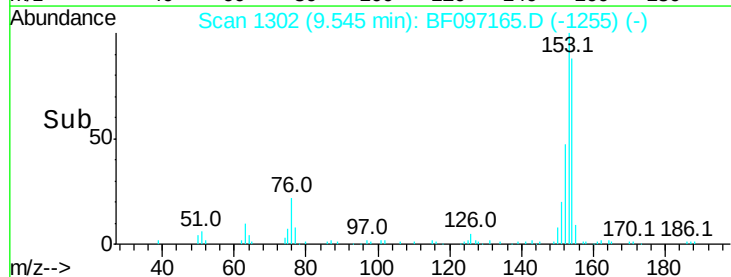
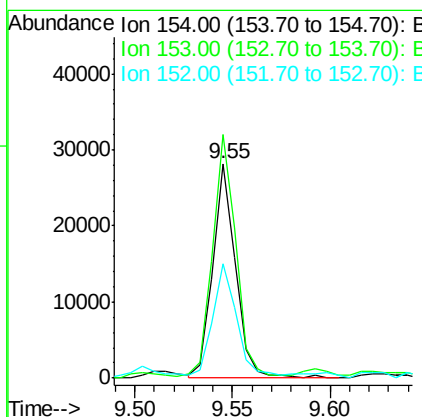
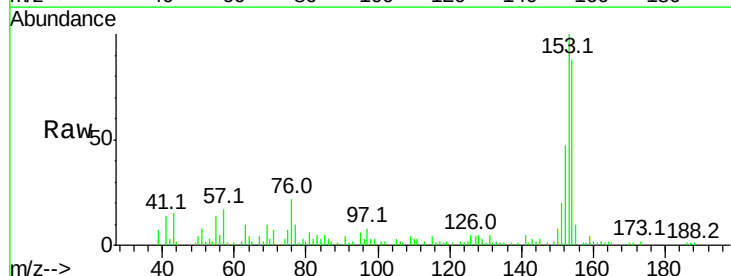
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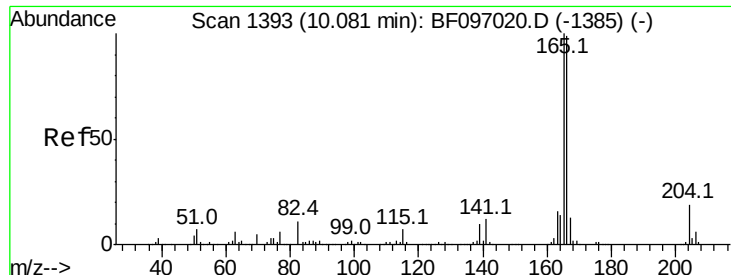
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#51
 Acenaphthene
 Concen: 2.164 ng
 RT: 9.55 min Scan# 1302
 Delta R.T. -0.02 min
 Lab File: BF097165.D
 Acq: 28 Jul 2017 20:31

Tgt Ion:	154	Resp:	22906
Ion Ratio	Lower	Upper	
154	100		
153	113.5	90.5	135.7
152	53.0	43.6	65.4





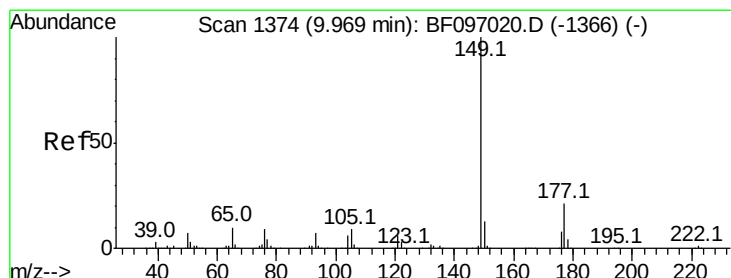
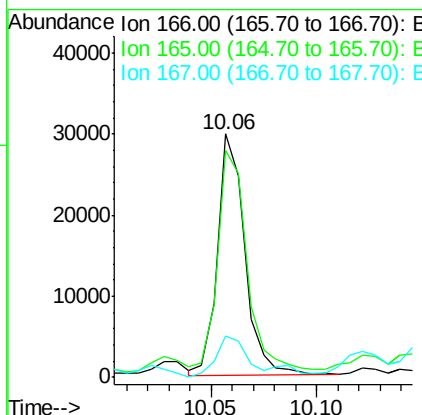
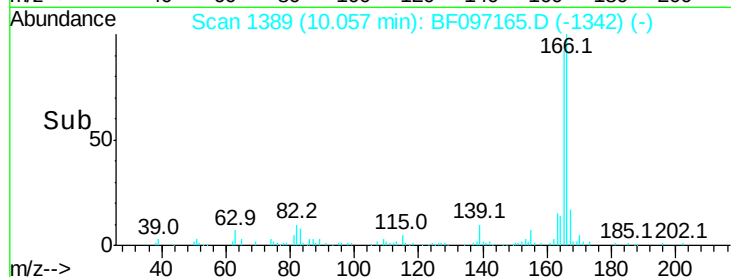
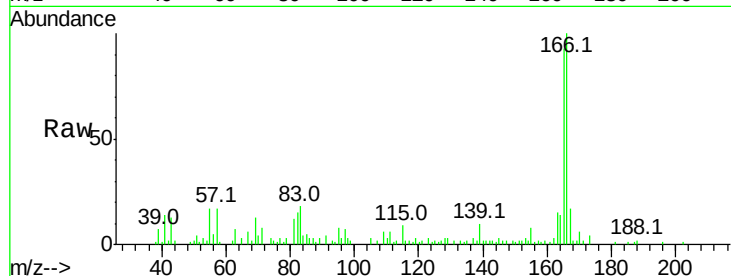
#57
Fluorene
 Concen: 2.533 ng
 RT: 10.06 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: BF097165.D
 Acq: 28 Jul 2017 20:31

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.3	78.8	118.2
167	17.1	10.6	16.0

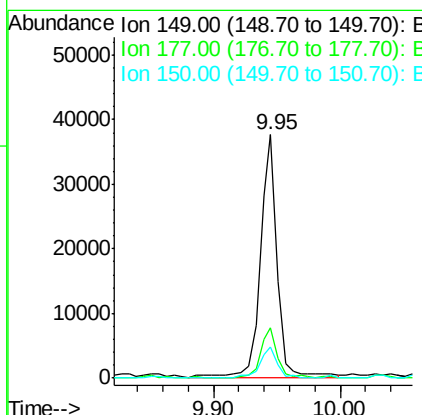
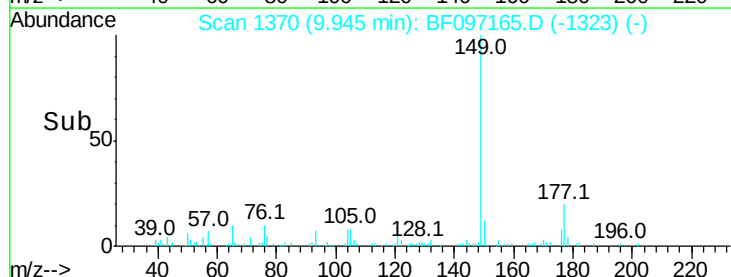
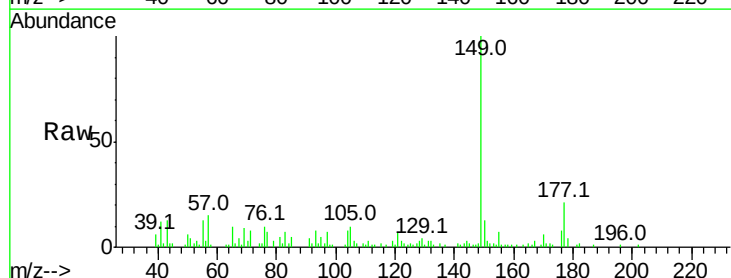
Manual Integrations
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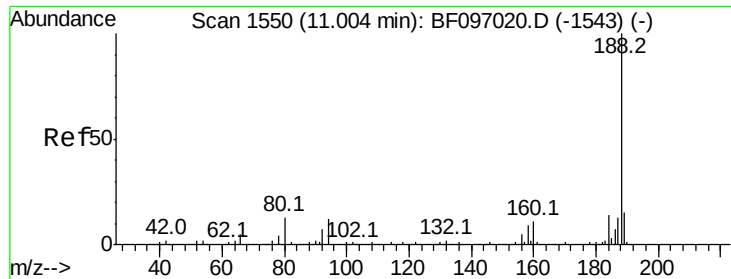
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#59
Diethylphthalate
 Concen: 2.764 ng
 RT: 9.95 min Scan# 1370
 Delta R.T. -0.02 min
 Lab File: BF097165.D
 Acq: 28 Jul 2017 20:31

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.8	16.7	25.1
150	12.7	10.2	15.2





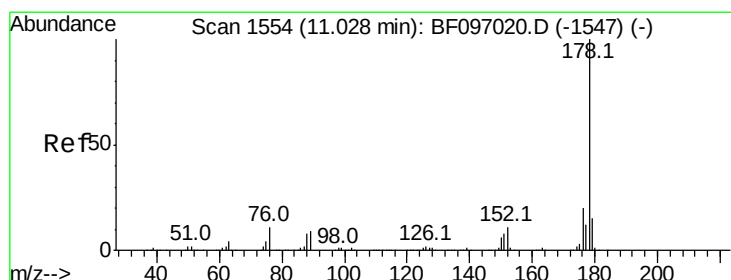
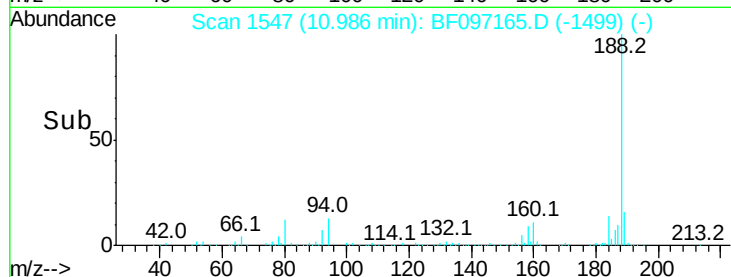
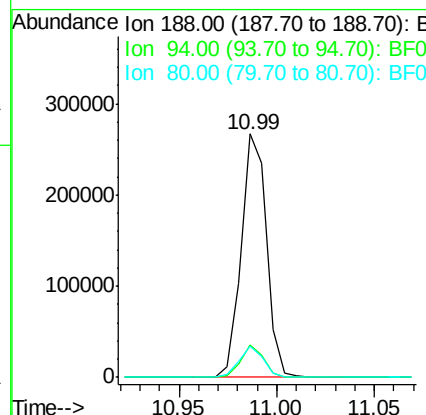
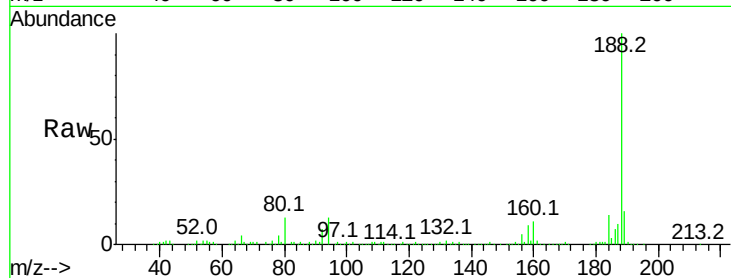
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097165.D
Acq: 28 Jul 2017 20:31

Instrument :
BNA_F
ClientSampleId :
HD-02-072617

Tot Ion	Ratio	Resp	Lower	Upper
188	100	238330		
94	13.3		9.4	14.2
80	12.6		10.2	15.2

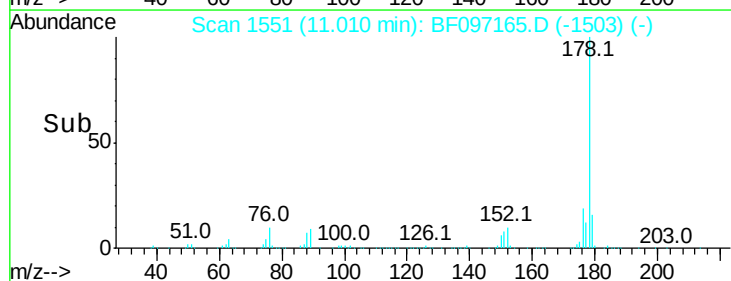
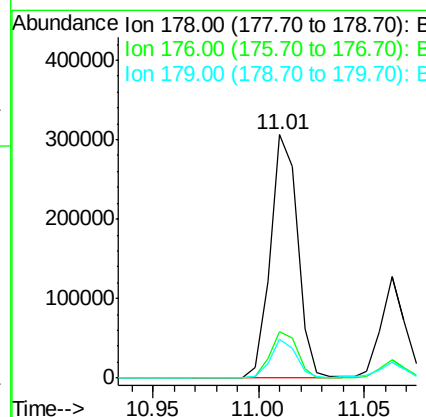
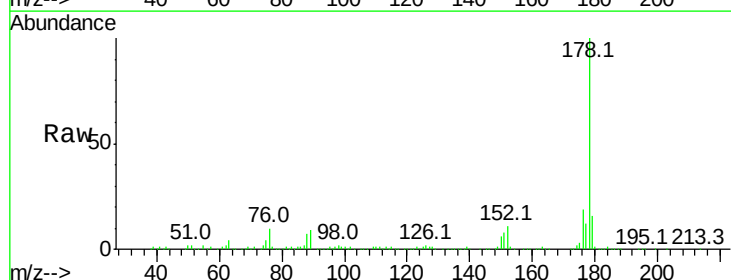
Manual Integrations
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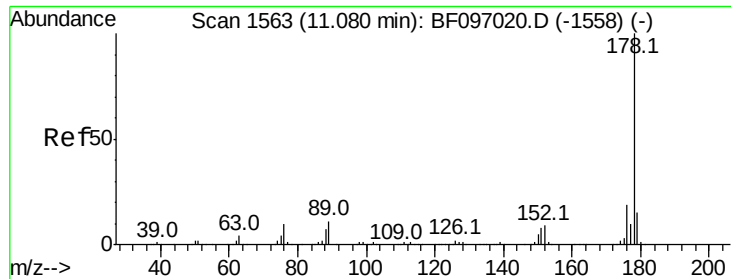
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#70
Phenanthrene
Concen: 21.558 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097165.D
Acq: 28 Jul 2017 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	275291		
176	19.1		16.2	24.4
179	15.9		12.6	19.0





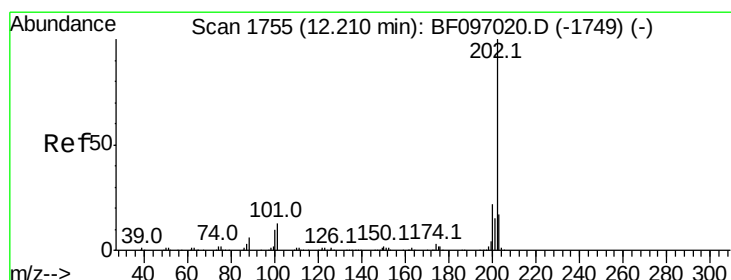
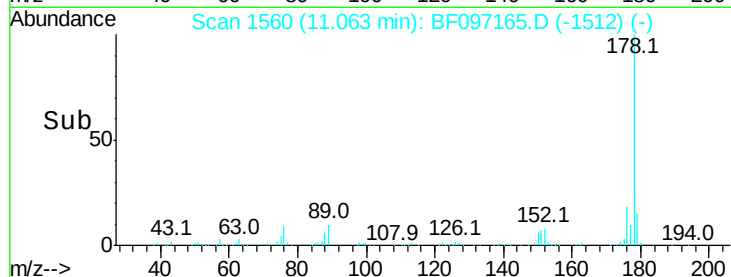
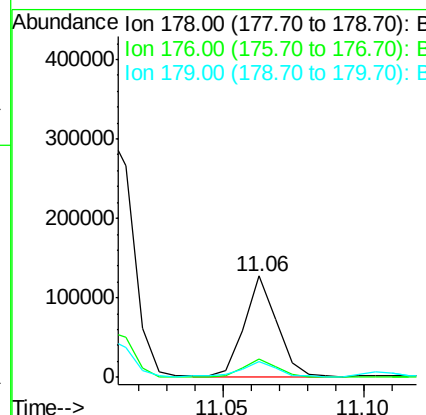
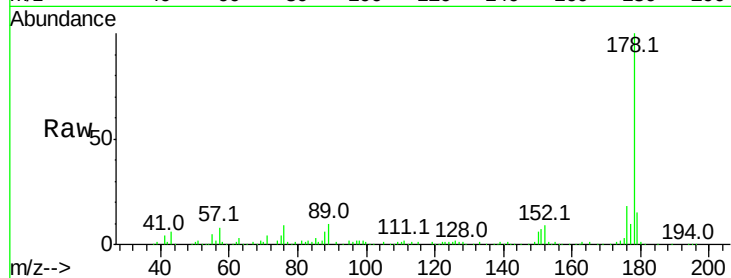
#71
 Anthracene
 Concen: 7.692 ng
 RT: 11.06 min Scan# 1560
 Delta R.T. -0.02 min
 Lab File: BF097165.D
 Acq: 28 Jul 2017 20:31

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072617

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.5	12.7	19.1

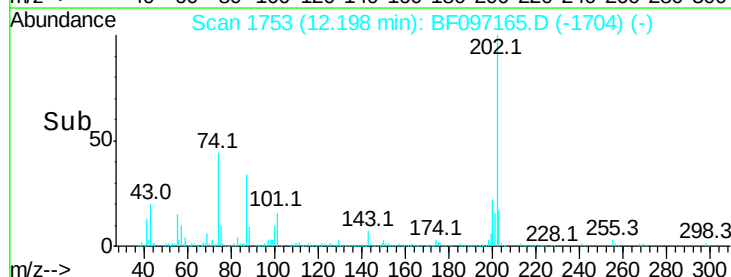
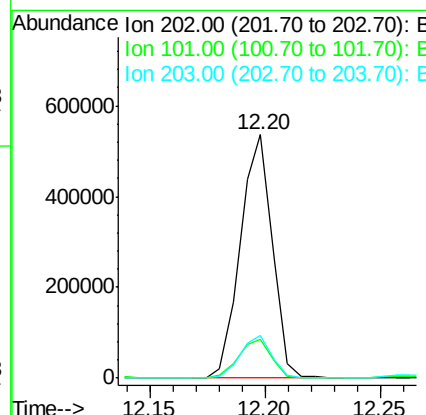
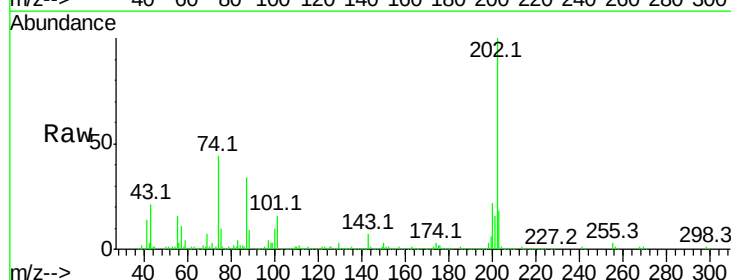
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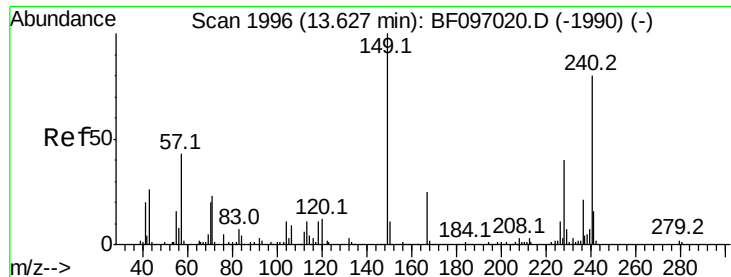
Sohil
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#74
 Fluoranthene
 Concen: 41.224 ng
 RT: 12.20 min Scan# 1753
 Delta R.T. -0.01 min
 Lab File: BF097165.D
 Acq: 28 Jul 2017 20:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.62 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF097165.D

Acq: 28 Jul 2017 20:31

Instrument :

BNA_F

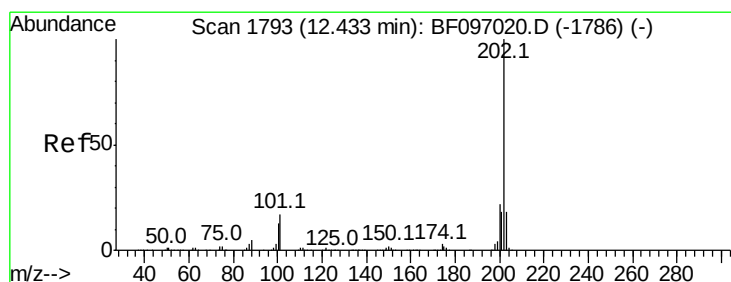
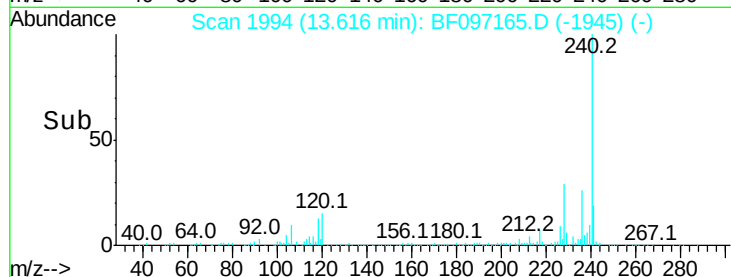
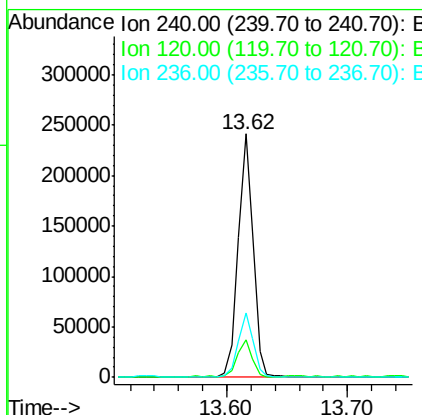
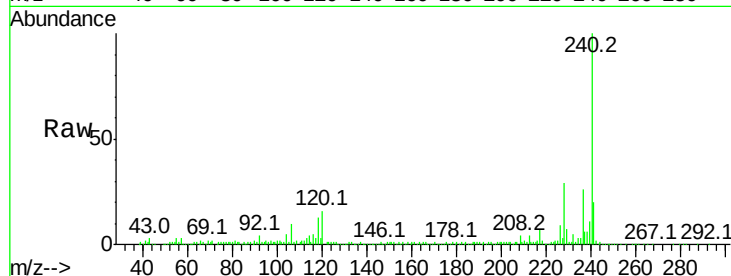
ClientSampleId :

HD-02-072617

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.6	5.8	8.8#
236	26.4	20.5	30.7

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#77

Pyrene

Concen: 28.704 ng

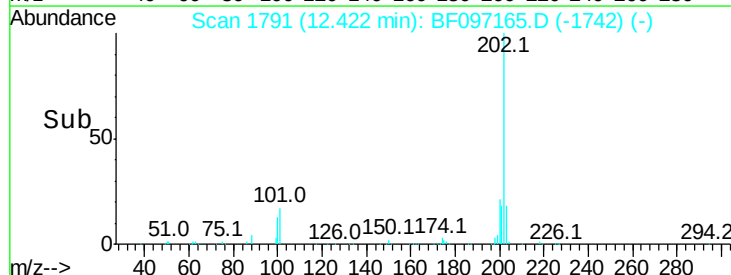
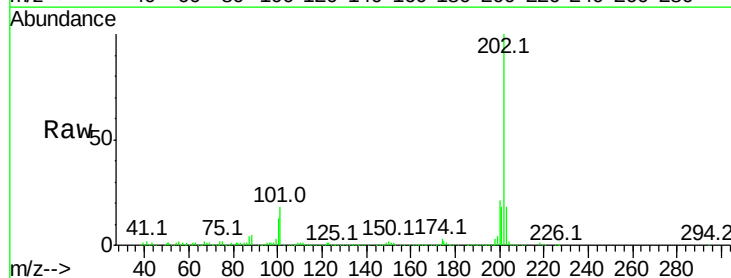
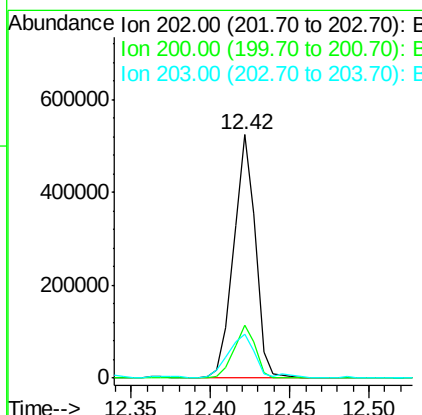
RT: 12.42 min Scan# 1791

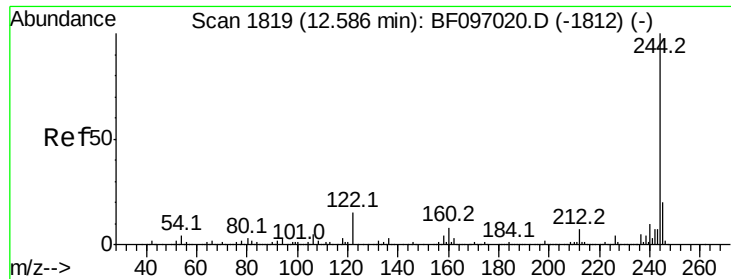
Delta R.T. -0.01 min

Lab File: BF097165.D

Acq: 28 Jul 2017 20:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	18.1	14.4	21.6





#78

Terphenyl-d14

Concen: 13.061 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097165.D

Acq: 28 Jul 2017 20:31

Instrument :

BNA_F

ClientSampleId :

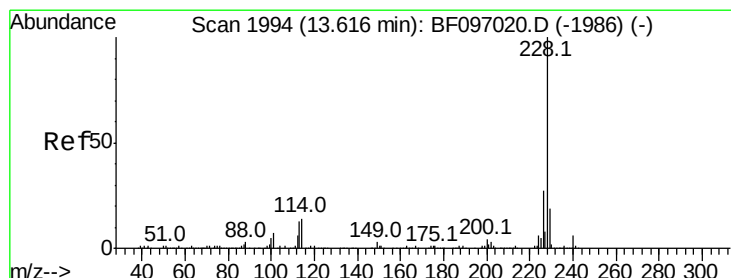
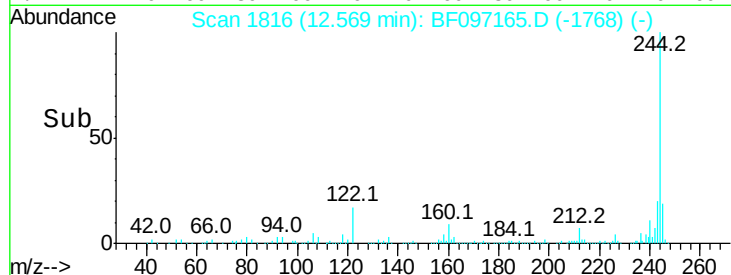
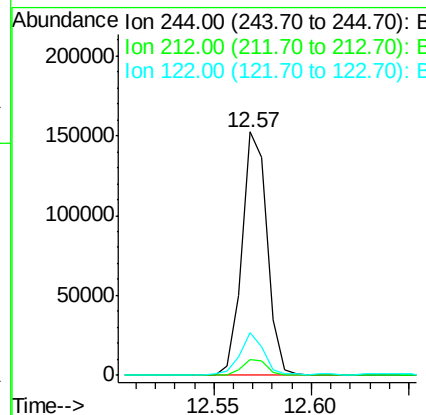
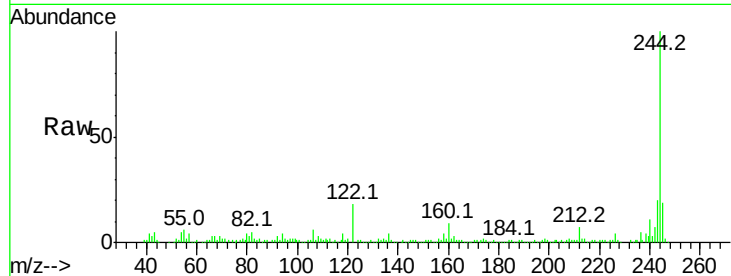
HD-02-072617

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	17.7	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 19.607 ng

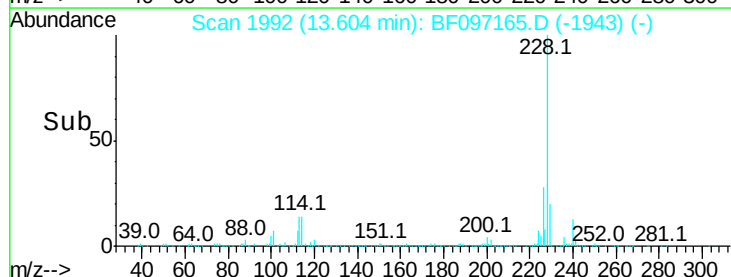
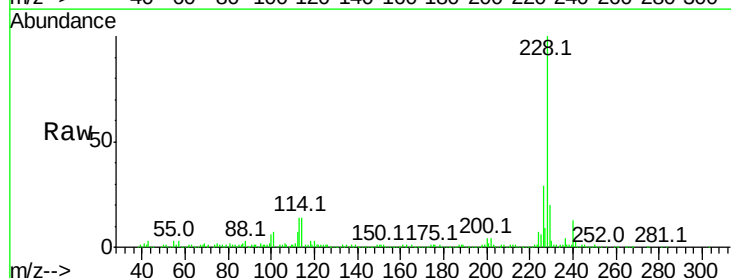
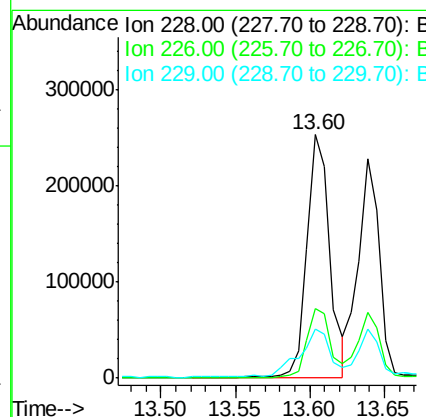
RT: 13.60 min Scan# 1992

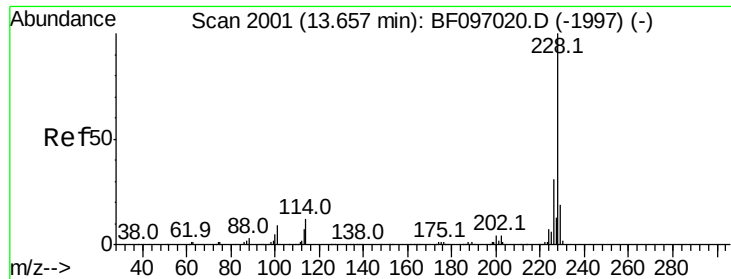
Delta R.T. -0.01 min

Lab File: BF097165.D

Acq: 28 Jul 2017 20:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.3	16.3	24.5





#82

Chrysene

Concen: 16.853 ng

RT: 13.64 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF097165.D

Acq: 28 Jul 2017 20:31

Instrument :

BNA_F

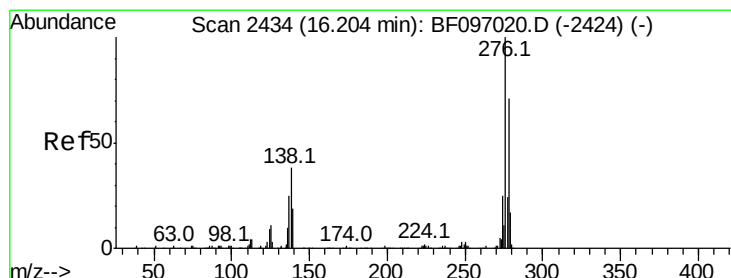
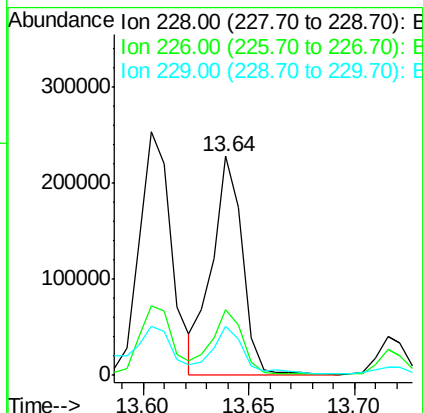
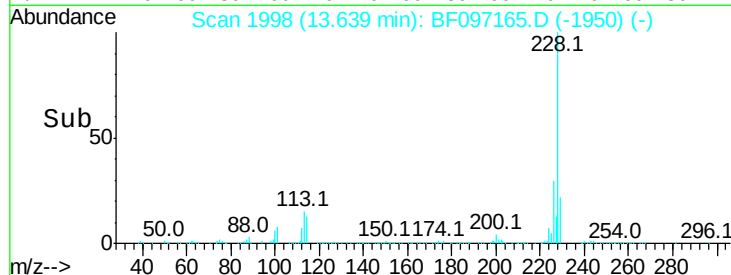
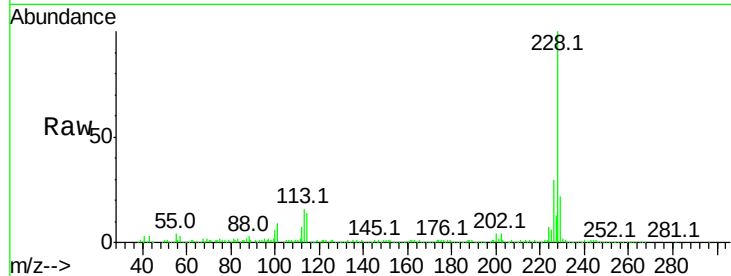
ClientSampleId :

HD-02-072617

Tot Ion:	228	Resp:	225267
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	22.3	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.706 ng

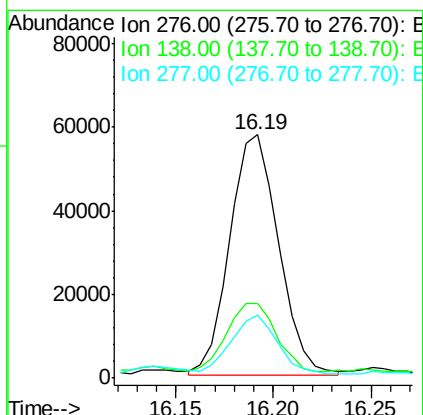
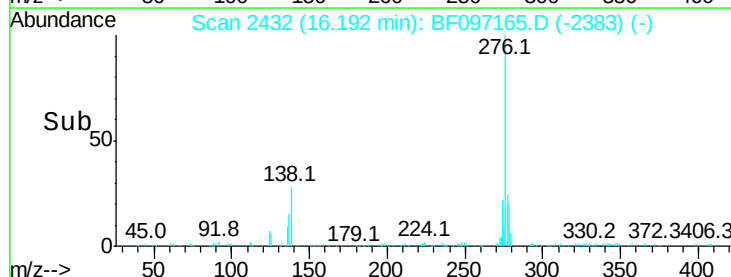
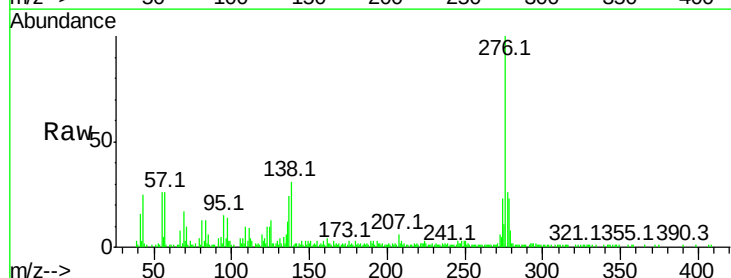
RT: 16.19 min Scan# 2432

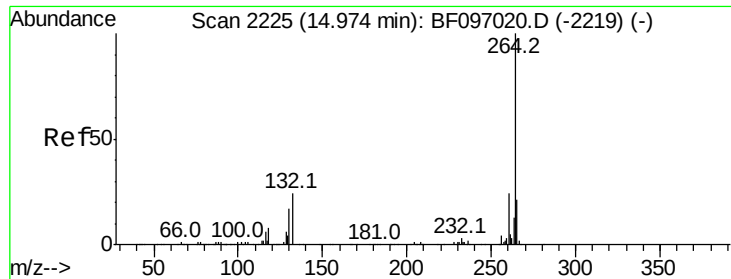
Delta R.T. -0.01 min

Lab File: BF097165.D

Acq: 28 Jul 2017 20:31

Tgt Ion:	276	Resp:	99777
Ion Ratio	Lower	Upper	
276	100		
138	29.2	27.8	41.6
277	23.3	20.2	30.4





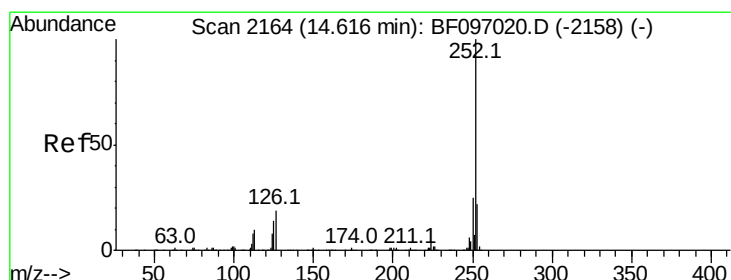
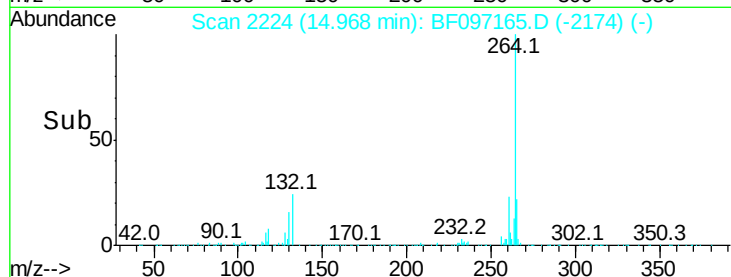
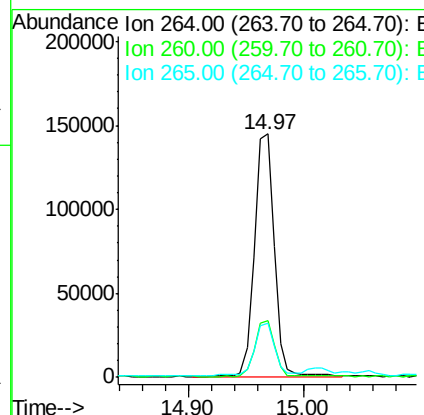
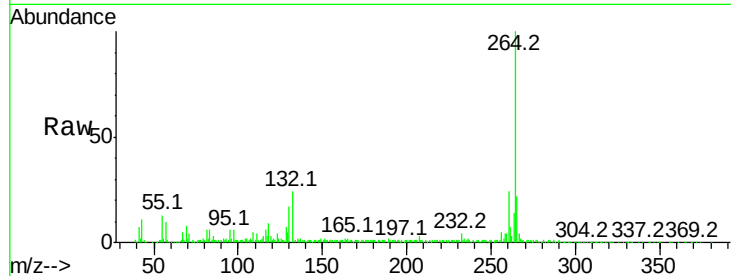
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.97 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF097165.D
Acq: 28 Jul 2017 20:31

Instrument :
BNA_F
ClientSampleId :
HD-02-072617

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.3	17.2	25.8

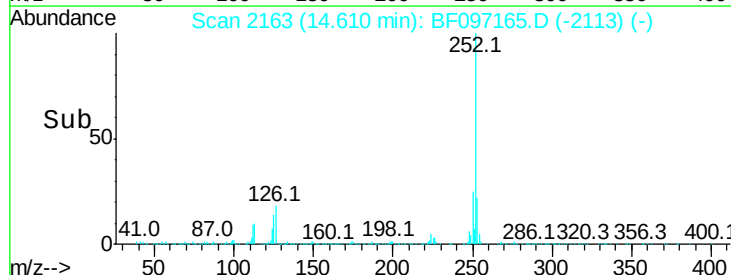
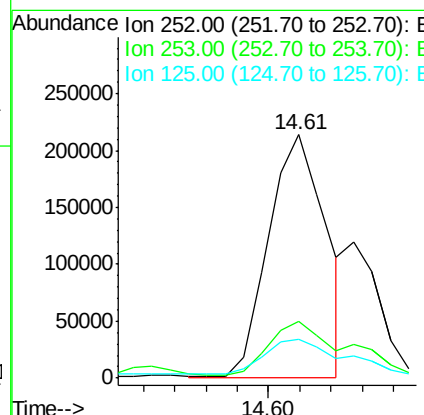
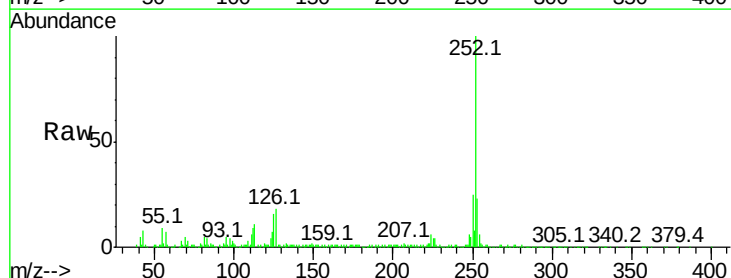
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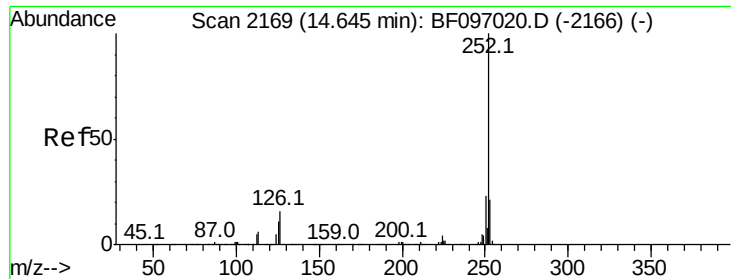
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#87
Benzo(b)fluoranthene
Concen: 26.192 ng m
RT: 14.61 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF097165.D
Acq: 28 Jul 2017 20:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	15.7	9.8	14.8#





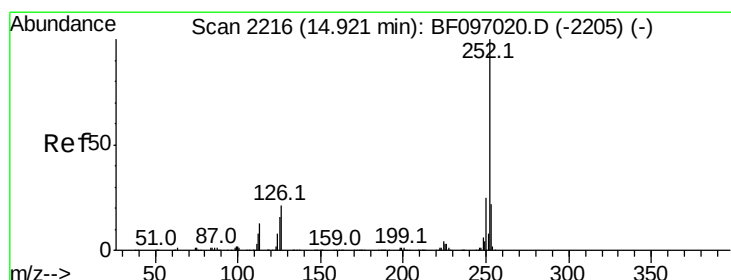
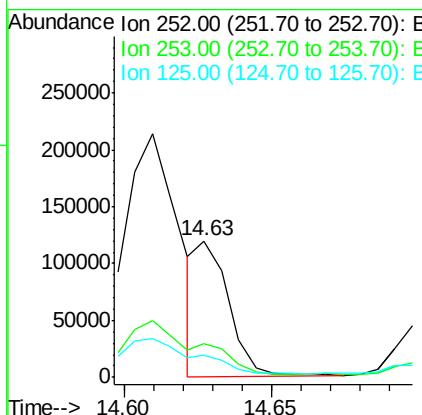
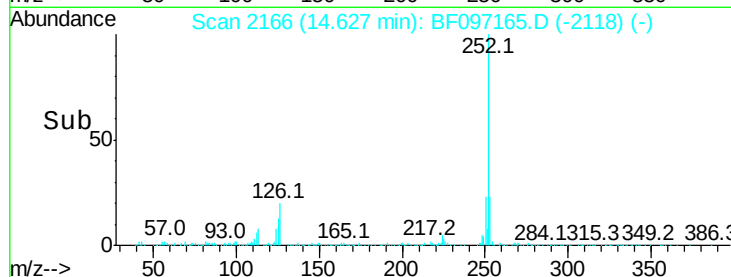
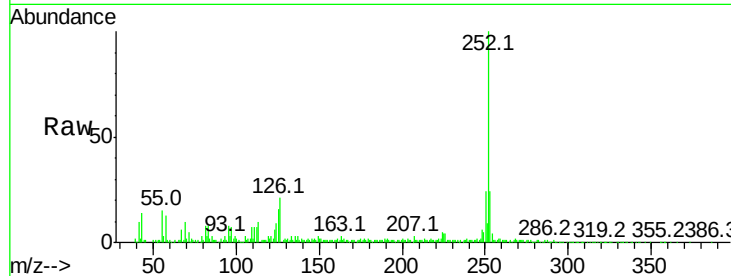
#88
Benzo(k)fluoranthene
Concen: 9.212 ng m
RT: 14.63 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF097165.D
Acq: 28 Jul 2017 20:31

Instrument :
BNA_F
ClientSampleId :
HD-02-072617

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.4	27.6
125	16.2	13.1	19.7

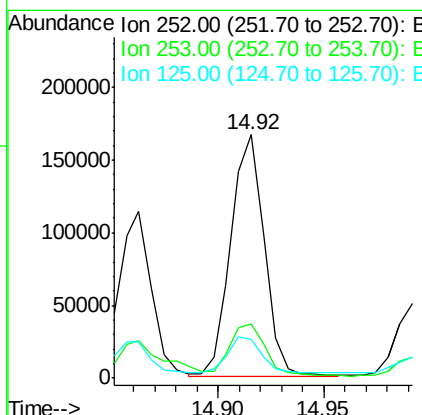
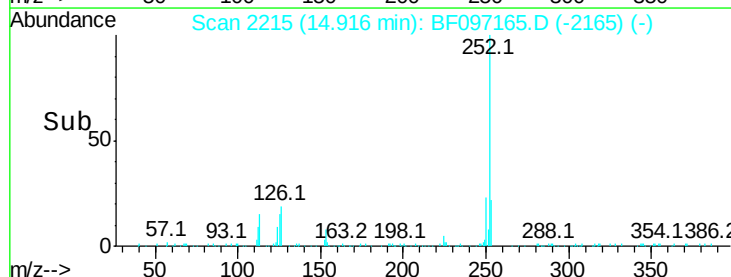
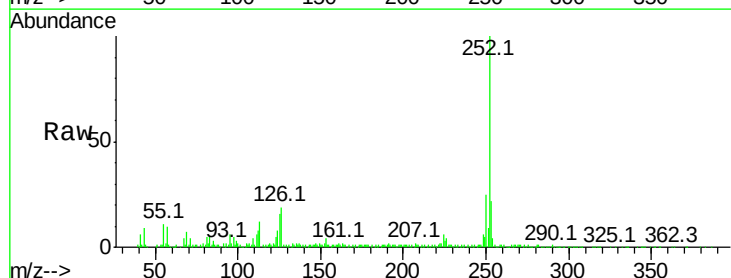
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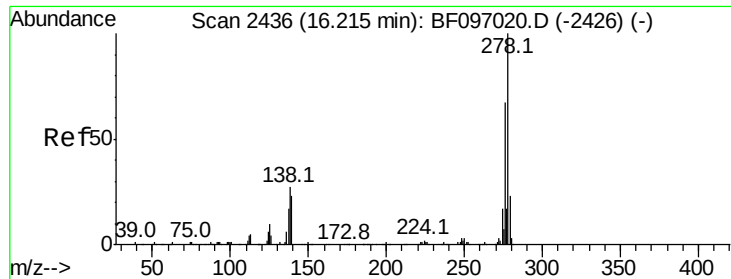
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#89
Benzo(a)pyrene
Concen: 19.272 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097165.D
Acq: 28 Jul 2017 20:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	15.9	11.0	16.4





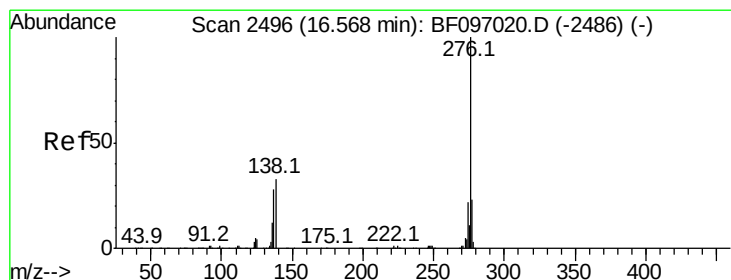
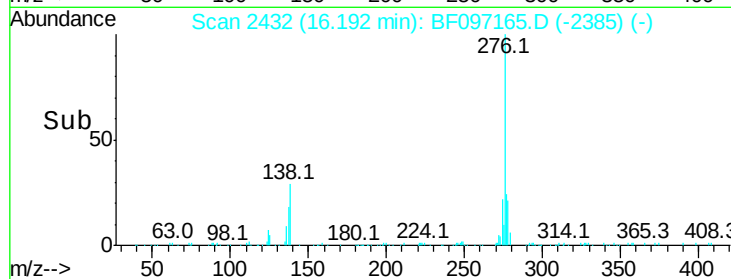
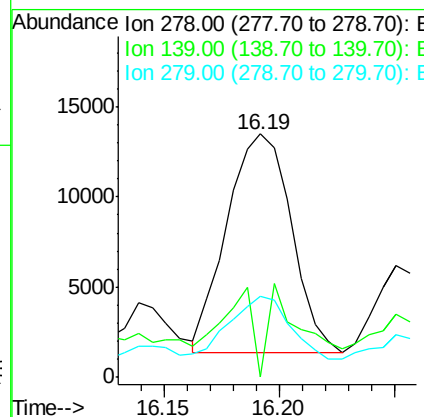
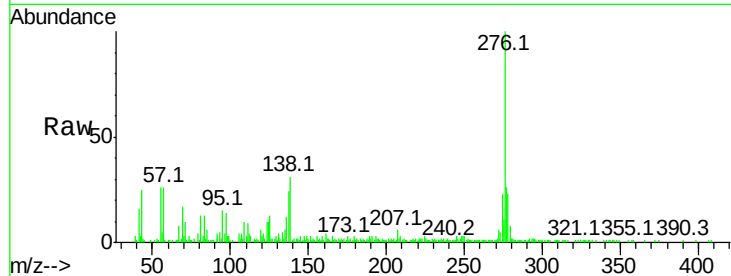
#90
Dibenzo(a,h)anthracene
Concen: 3.011 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.02 min
Lab File: BF097165.D
Acq: 28 Jul 2017 20:31

Instrument :
BNA_F
ClientSampleId :
HD-02-072617

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	33.1	19.3	28.9#

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#91
Benzo(g,h,i)perylene
Concen: 11.211 ng
RT: 16.56 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF097165.D
Acq: 28 Jul 2017 20:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	33.1	25.4	38.0

