

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097172.D
 Acq On : 28 Jul 2017 23:46
 Operator : SJ/JU
 Sample : I4456-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-SS-4

Manual Integrations
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 7/31/2017 6:52:21 PM

Quant Time: Jul 31 15:32:56 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	106632	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	461460	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	168645	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	207574	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	188854	20.00	ng	-0.01
86) Perylene-d12	14.96	264	167811	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	849313	120.07	ng	0.00
7) Phenol-d6	6.15	99	979375	121.28	ng	-0.02
23) Nitrobenzene-d5	7.06	82	567135	72.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	124658	93.55	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	694572	69.90	ng	-0.02
78) Terphenyl-d14	12.57	244	389950	42.10	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.16	94	26331	2.749	ng	84
49) Dimethylphthalate	9.25	163	166014	12.963	ng	99
51) Acenaphthene	9.55	154	100198	10.455	ng	98
54) Dibenzofuran	9.72	168	53840	4.218	ng	96
57) Fluorene	10.06	166	76168	7.939	ng	98
70) Phenanthrene	11.02	178	768921	69.136	ng	100
71) Anthracene	11.06	178	220913	19.393	ng	99
72) Carbazole	11.22	167	122924	10.972	ng	97
74) Fluoranthene	12.20	202	918106	84.264	ng	99
77) Pyrene	12.42	202	776796	50.243	ng	100
80) Benzo(a)anthracene	13.60	228	483041	39.530	ng	99
82) Chrysene	13.64	228	431503	36.163	ng	98
85) Indeno(1,2,3-cd)pyrene	16.18	276	162165	15.850	ng	96
87) Benzo(b)fluoranthene	14.61	252	487394m	48.317	ng	
88) Benzo(k)fluoranthene	14.63	252	162861m	16.943	ng	
89) Benzo(a)pyrene	14.91	252	322288	34.909	ng	96
90) Dibenzo(a,h)anthracene	16.19	278	45904m	6.063	ng	
91) Benzo(g,h,i)perylene	16.54	276	133459	16.810	ng	97

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

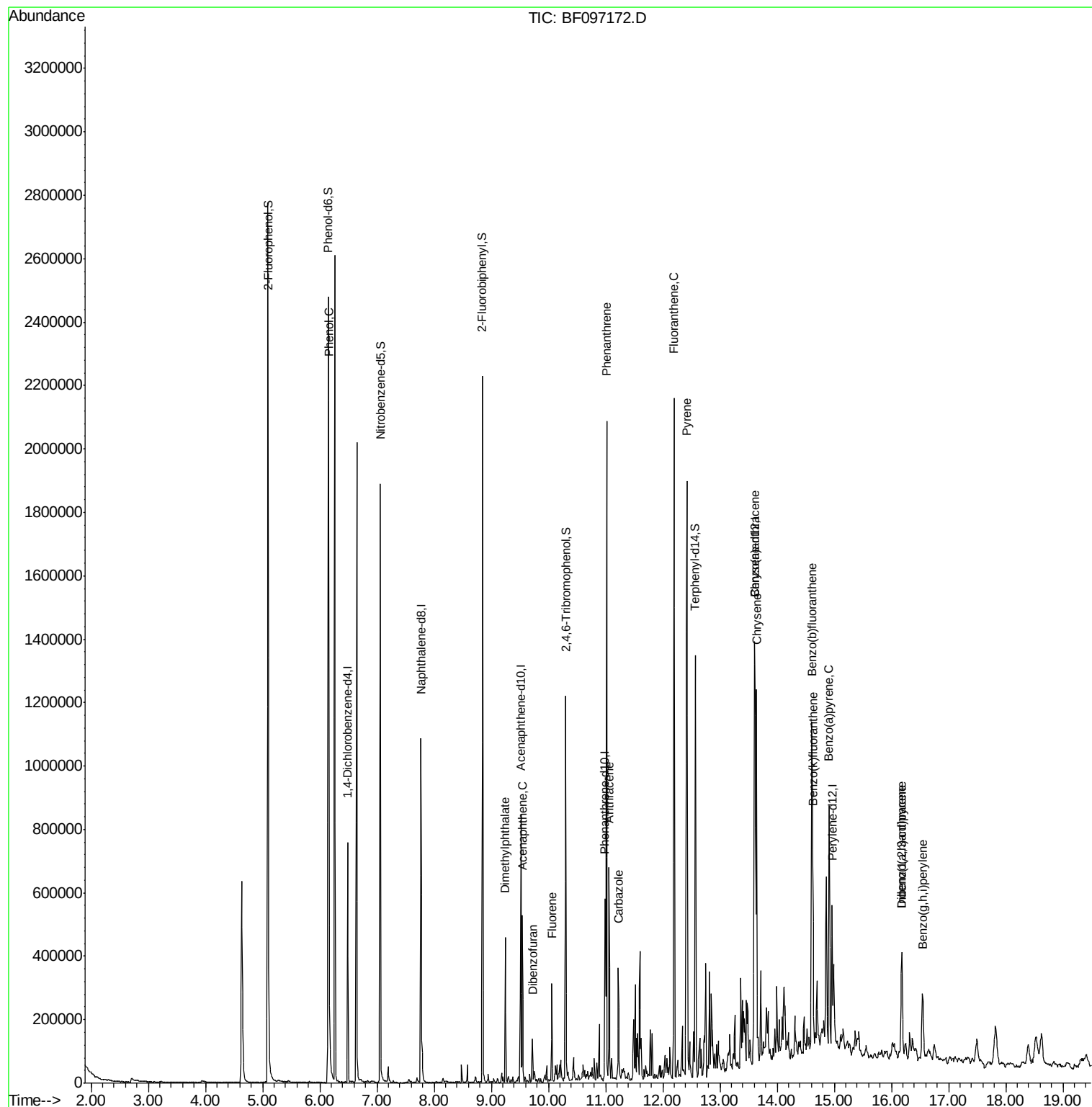
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
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ALS Vial : 16 Sample Multiplier: 1

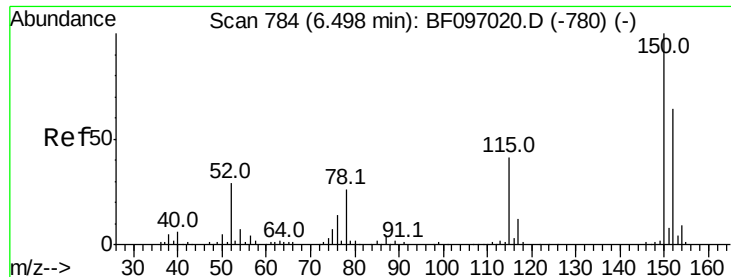
Instrument :
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#1

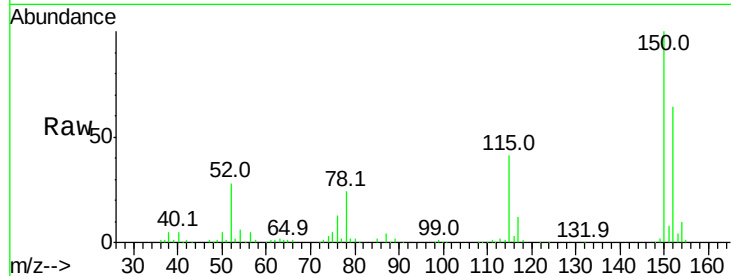
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097172.D
Acq: 28 Jul 2017 23:46

Instrument :
BNA_F
ClientSampled :
TP-12-SS-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	64.2	52.2	78.2

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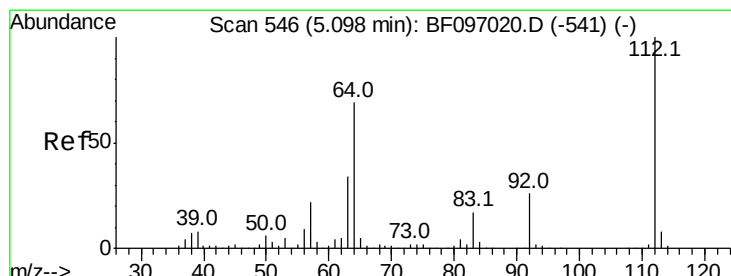
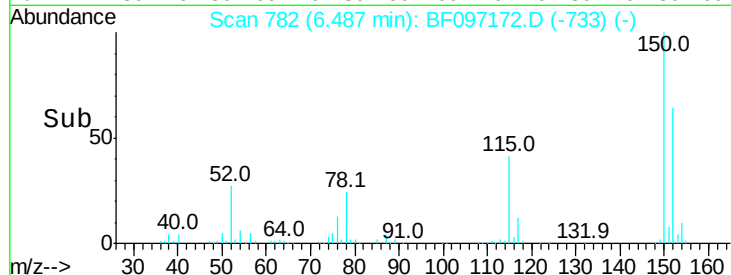
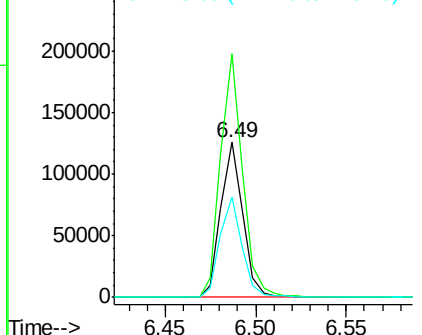


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

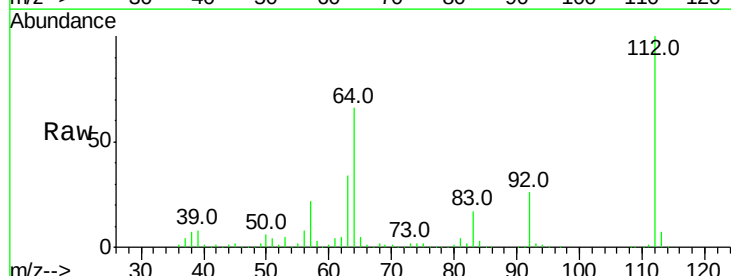
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 120.070 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097172.D
Acq: 28 Jul 2017 23:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	46.0	69.0
63	33.9	23.4	35.0

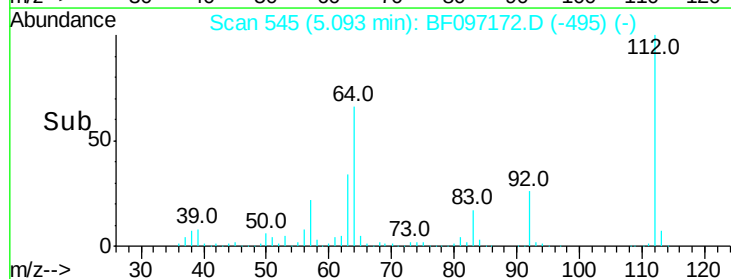
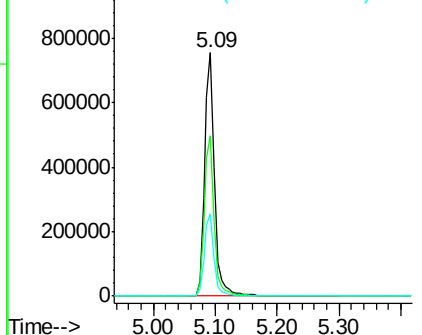


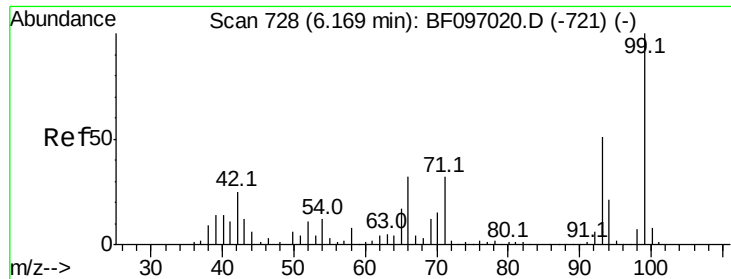
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.281 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097172.D

Acq: 28 Jul 2017 23:46

Instrument :

BNA_F

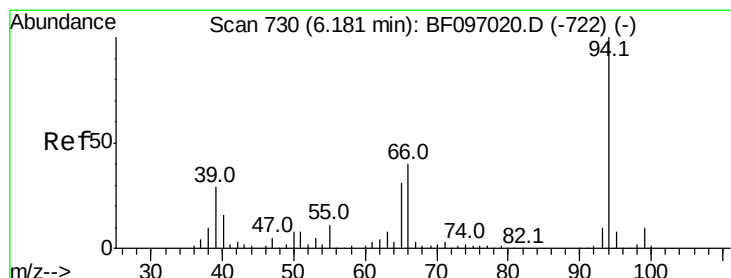
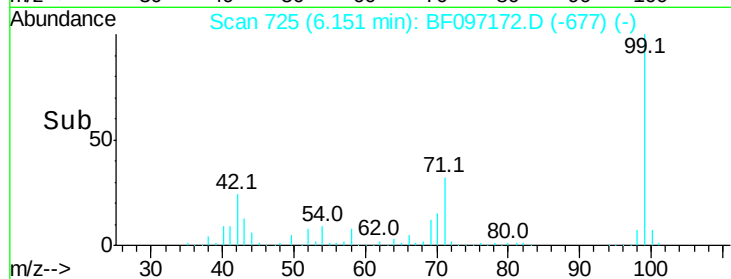
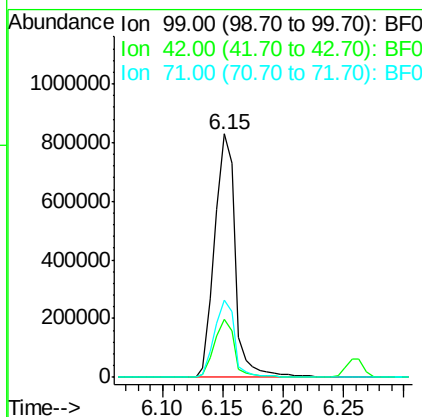
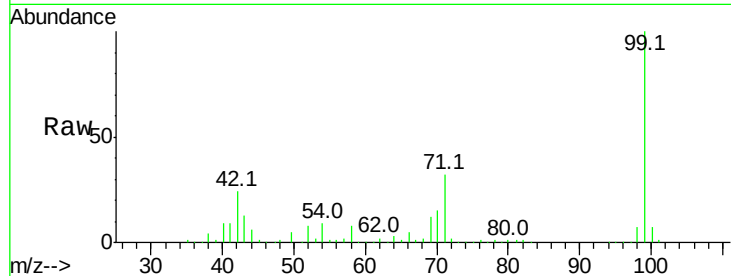
ClientSampled :

TP-12-SS-4

Tot Ion:	99	Resp:	979375
Ion Ratio	Lower	Upper	
99	100		
42	23.8	13.5	20.3#
71	31.5	24.5	36.7

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#10

Phenol

Concen: 2.749 ng

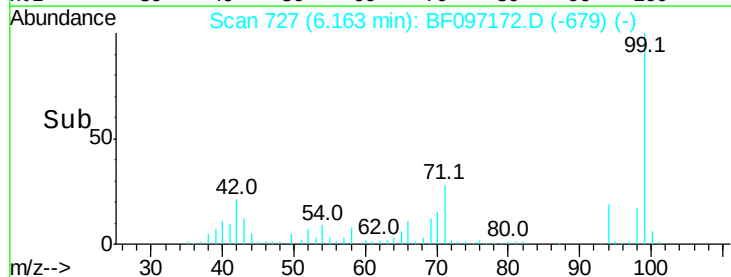
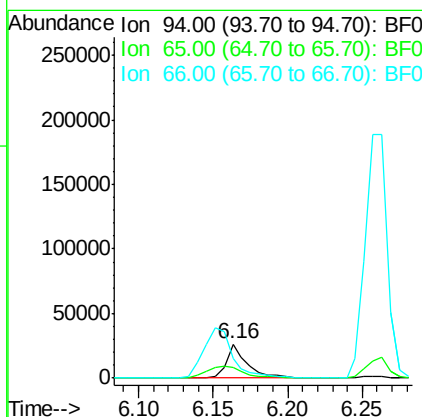
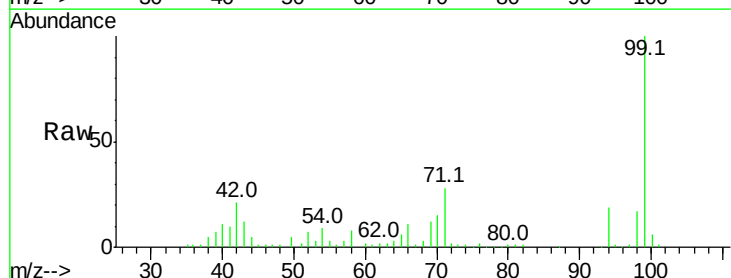
RT: 6.16 min Scan# 727

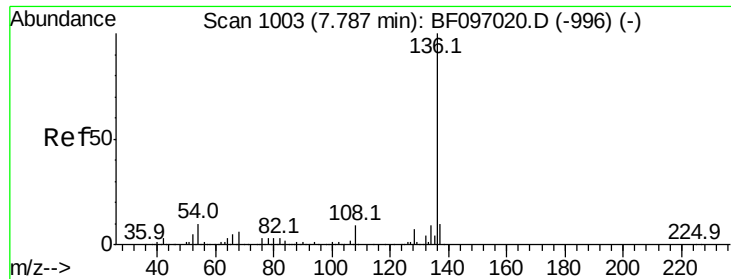
Delta R.T. -0.02 min

Lab File: BF097172.D

Acq: 28 Jul 2017 23:46

Tgt Ion:	94	Resp:	26331
Ion Ratio	Lower	Upper	
94	100		
65	33.0	9.9	49.9
66	57.8	23.1	63.1





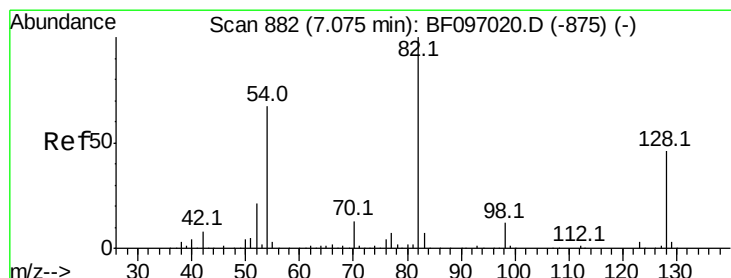
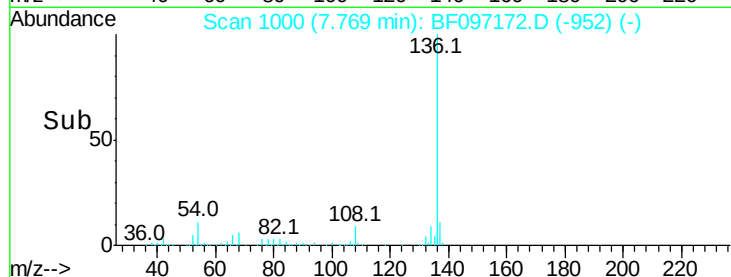
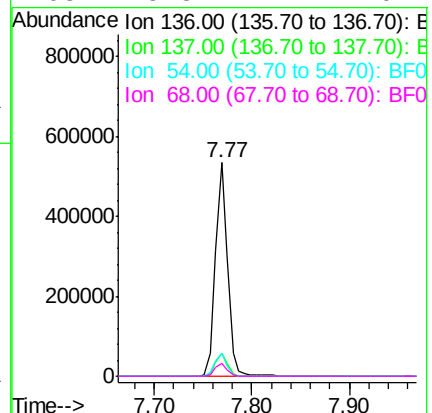
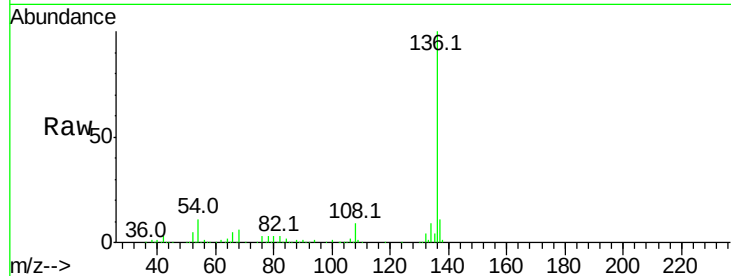
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097172.D
Acq: 28 Jul 2017 23:46

Instrument :
BNA_F
ClientSampleId :
TP-12-SS-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.5	12.7	
54	11.0	4.9	7.3#	
68	5.8	4.1	6.1	

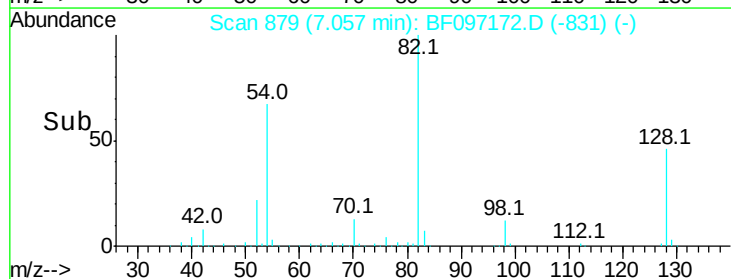
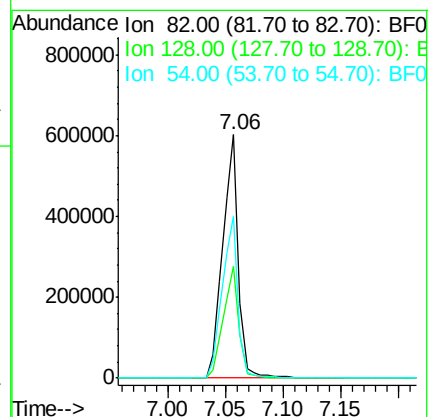
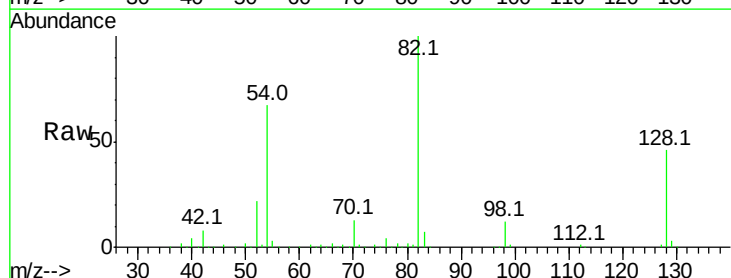
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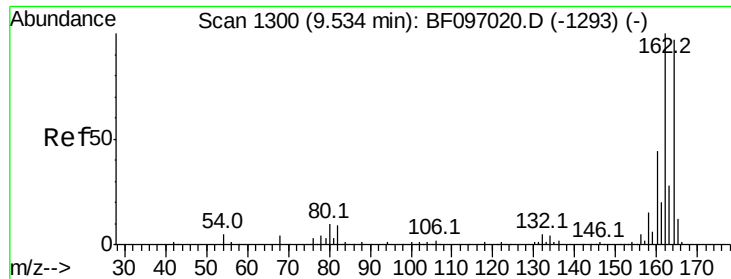
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#23
Nitrobenzene-d5
Concen: 72.098 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF097172.D
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.0	34.0	51.0	
54	66.5	42.2	63.2#	





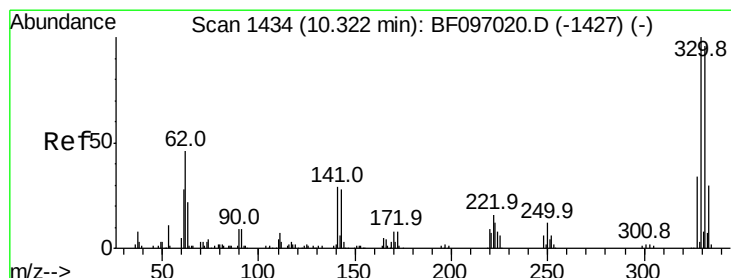
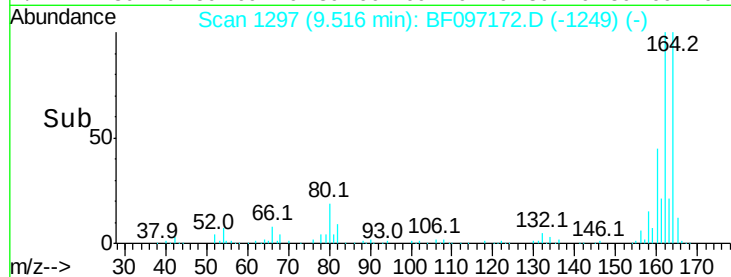
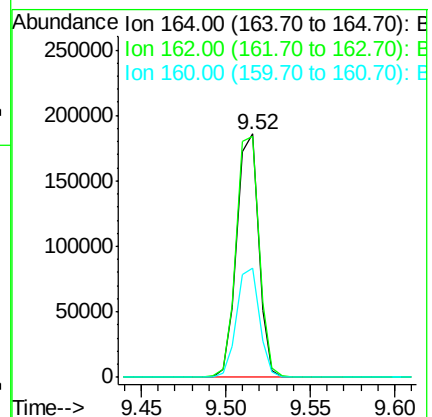
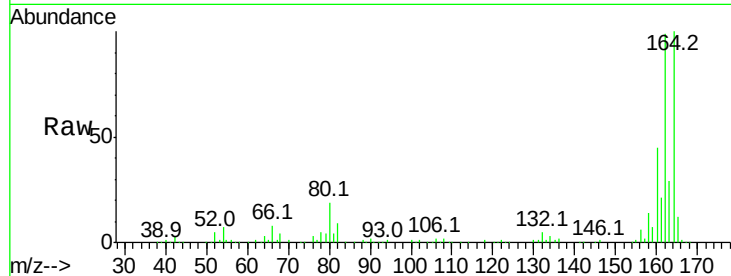
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF097172.D
 Acq: 28 Jul 2017 23:46

Instrument :
 BNA_F
 ClientSampled :
 TP-12-SS-4

Tot Ion	Ratio	Resp	Lower	Upper
164	100	168645		
162	99.1	82.6	123.8	
160	45.1	36.2	54.2	

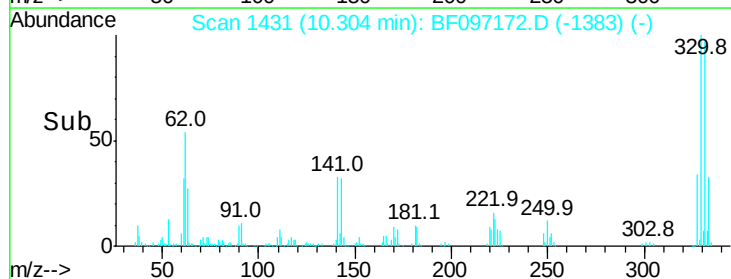
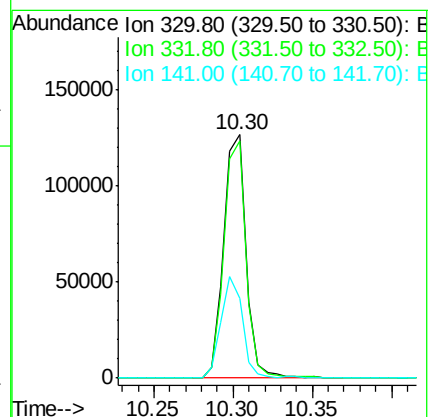
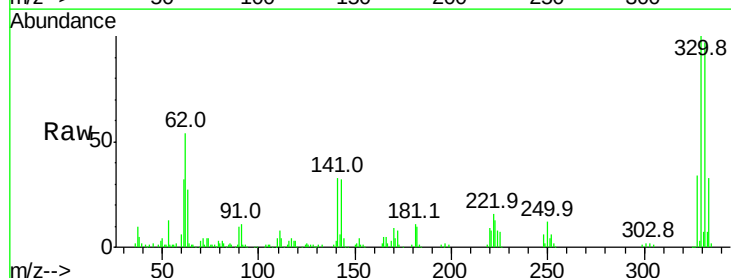
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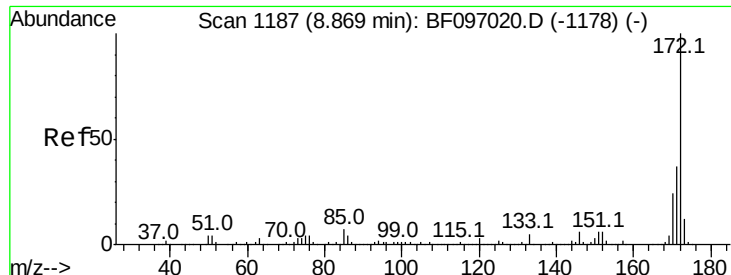
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#41
 2,4,6-Tribromophenol
 Concen: 93.555 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF097172.D
 Acq: 28 Jul 2017 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	124658		
332	96.3	76.6	115.0	
141	40.6	31.4	47.2	





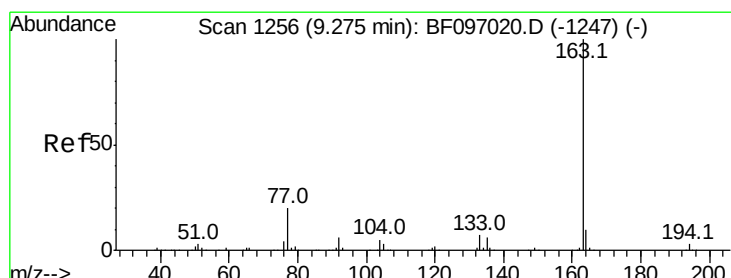
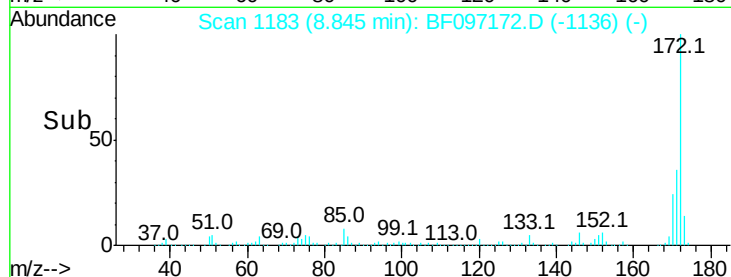
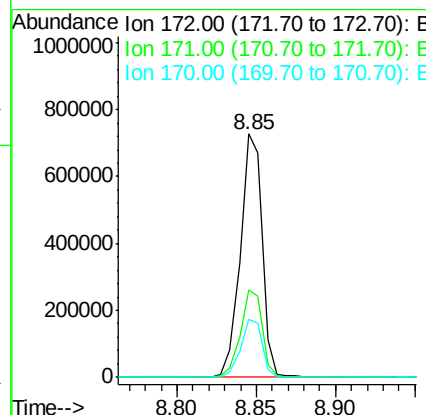
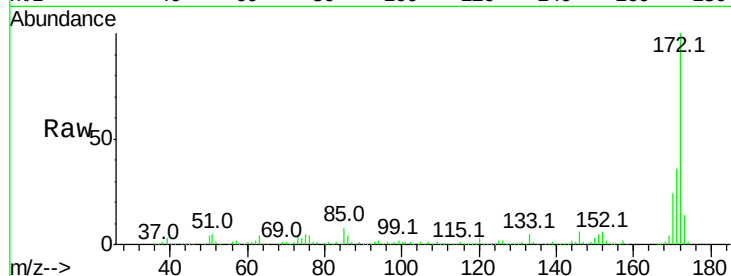
#44
2-Fluorobiphenyl
Concen: 69.896 ng
RT: 8.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF097172.D
Acq: 28 Jul 2017 23:46

Instrument :
BNA_F
ClientSampleId :
TP-12-SS-4

Tot Ion	Ratio	Resp	Lower	Upper
172	100	694572		
171	35.9		29.6	44.4
170	23.7		19.8	29.8

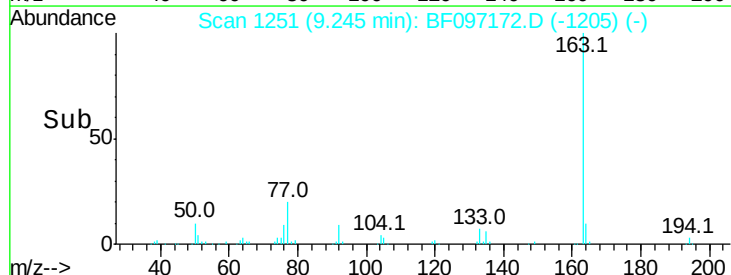
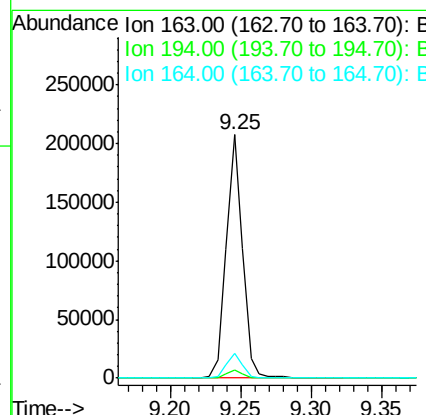
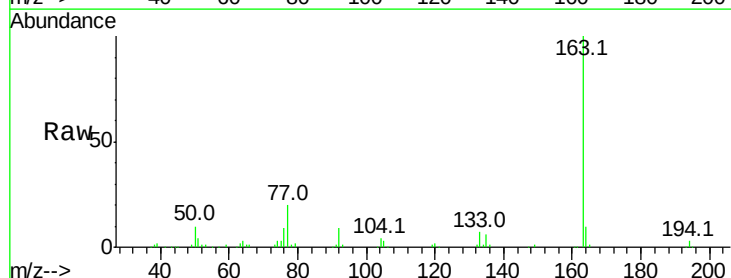
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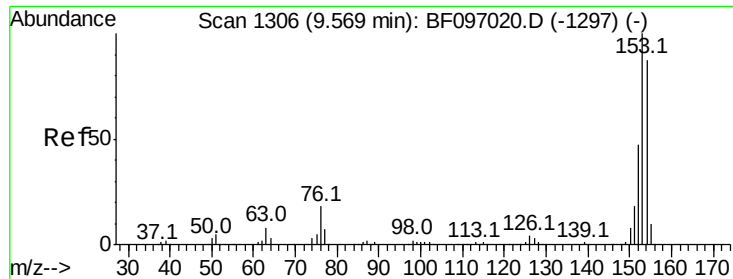
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#49
Dimethylphthalate
Concen: 12.963 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097172.D
Acq: 28 Jul 2017 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	166014		
194	3.2		2.6	4.0
164	10.2		8.4	12.6





#51

Acenaphthene

Concen: 10.455 ng

RT: 9.55 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF097172.D

Acq: 28 Jul 2017 23:46

Instrument :

BNA_F

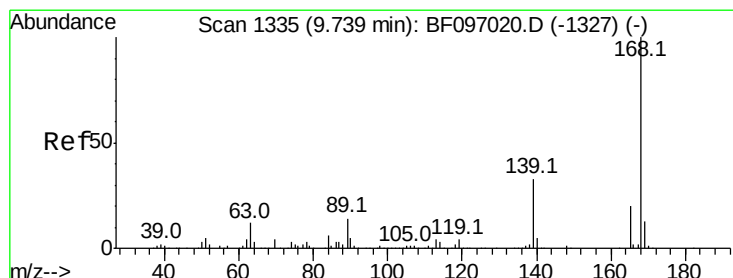
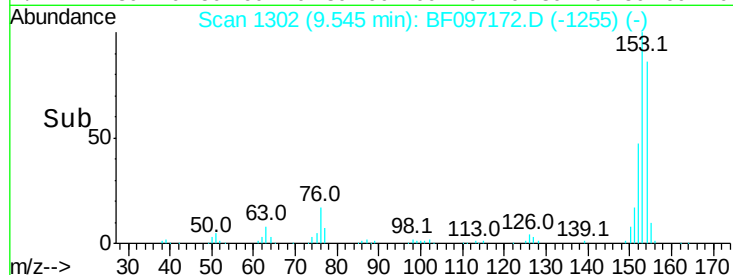
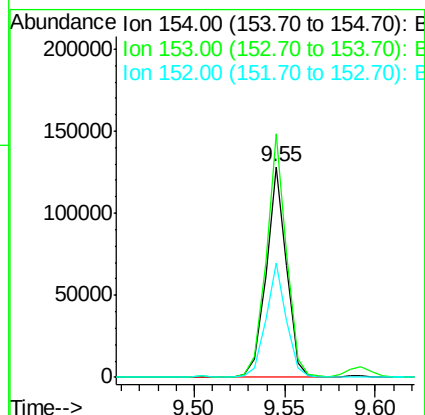
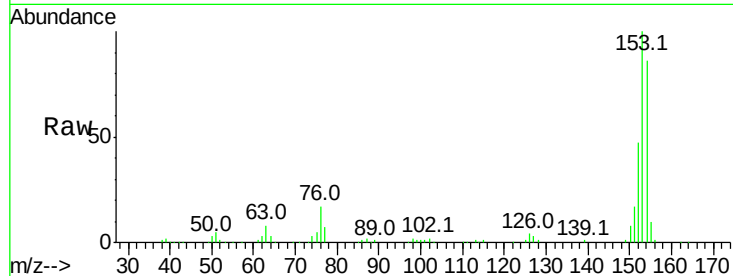
ClientSampleId :

TP-12-SS-4

Tot Ion:	154	Resp:	100198
Ion Ratio	Lower	Upper	
154	100		
153	115.7	90.5	135.7
152	54.5	43.6	65.4

Manual Integrations
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#54

Dibenzofuran

Concen: 4.218 ng

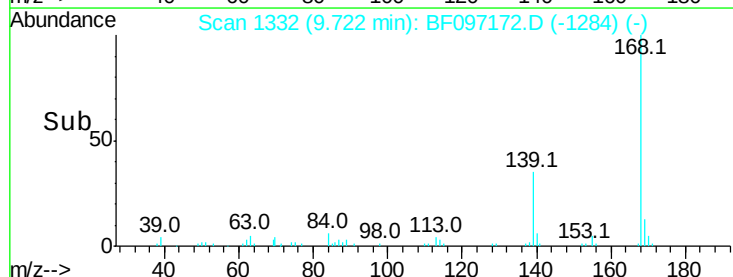
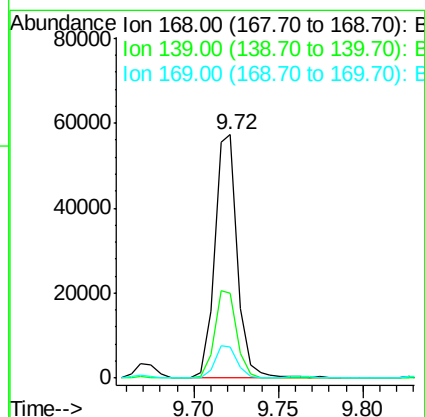
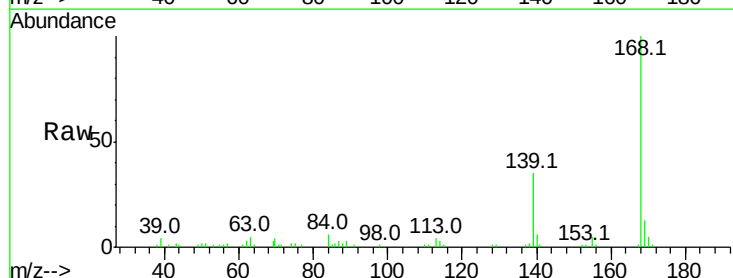
RT: 9.72 min Scan# 1332

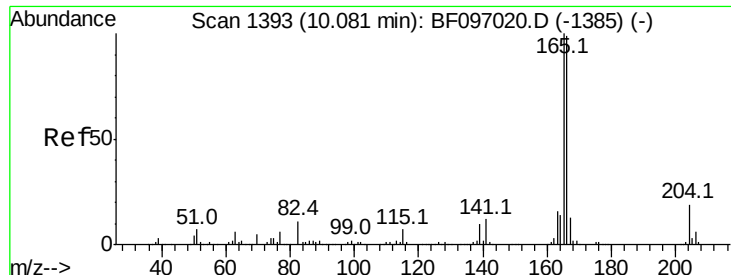
Delta R.T. -0.02 min

Lab File: BF097172.D

Acq: 28 Jul 2017 23:46

Tgt Ion:	168	Resp:	53840
Ion Ratio	Lower	Upper	
168	100		
139	34.9	30.6	45.8
169	13.0	10.8	16.2





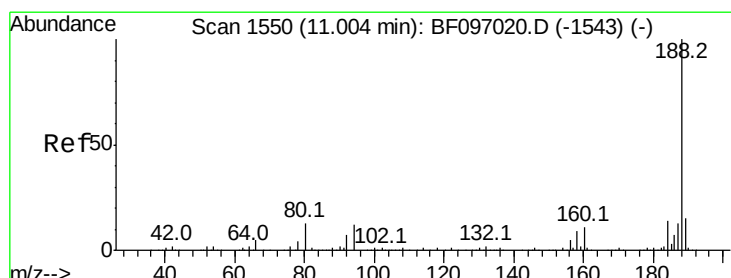
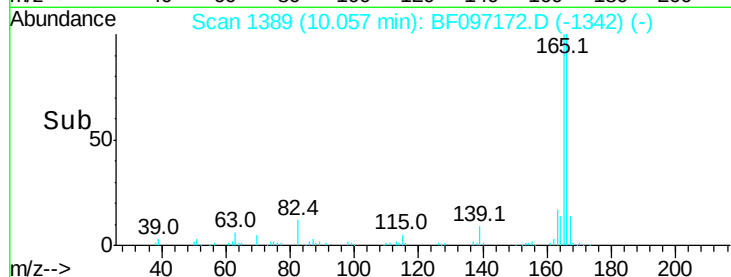
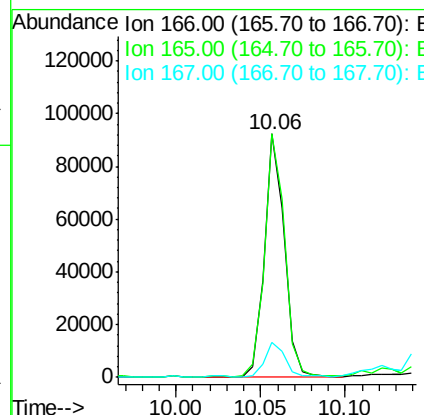
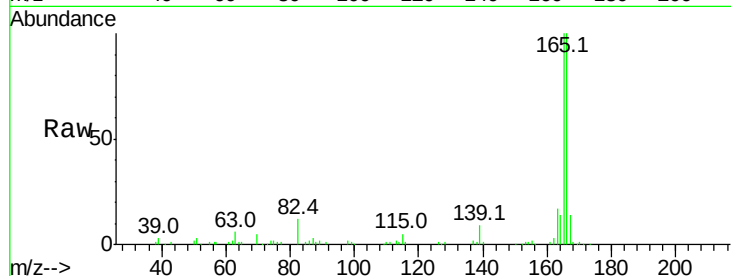
#57
Fluorene
 Concen: 7.939 ng
 RT: 10.06 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: BF097172.D
 Acq: 28 Jul 2017 23:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-SS-4

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.1	78.8	118.2
167	14.3	10.6	16.0

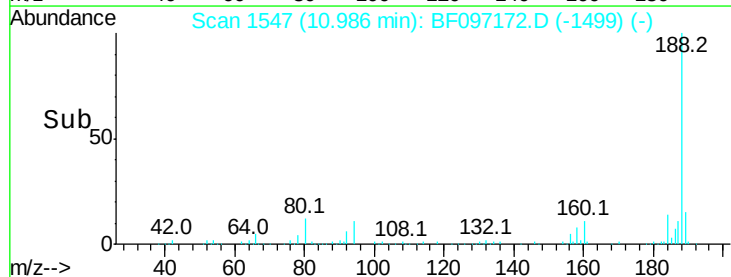
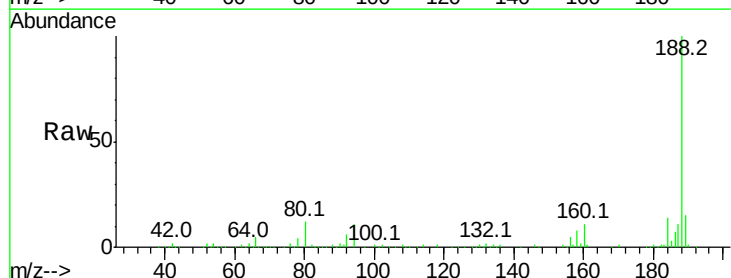
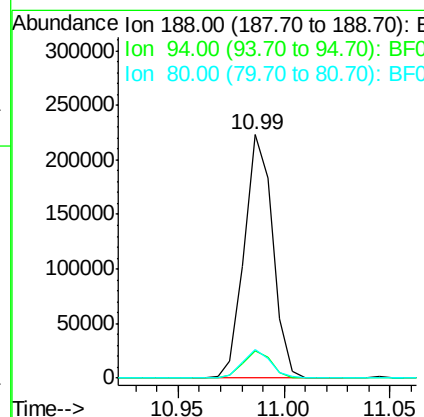
Manual Integrations
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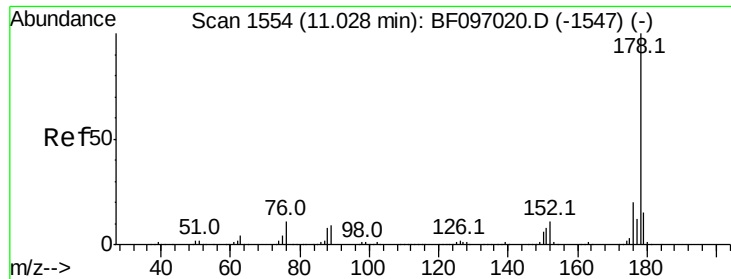
Sohil
 7/31/2017 6:52:21 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF097172.D
 Acq: 28 Jul 2017 23:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	11.9	10.2	15.2





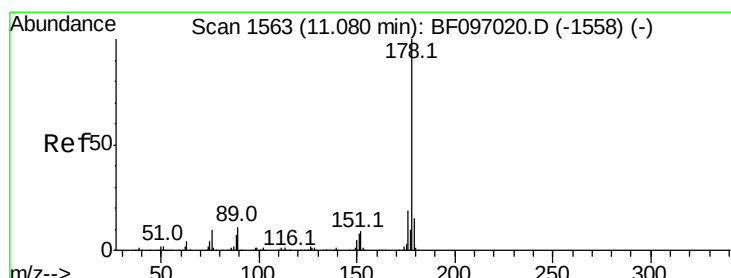
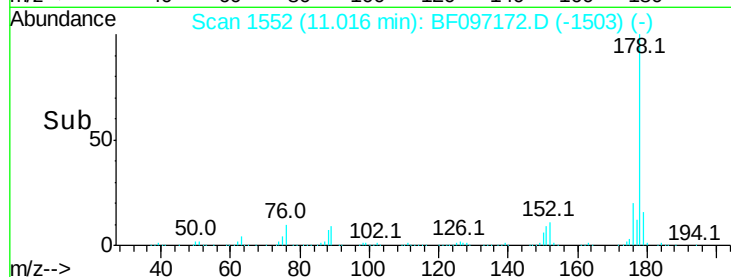
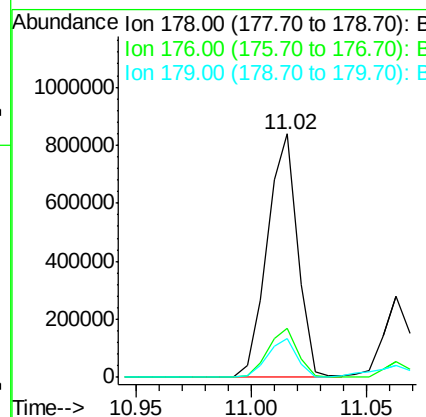
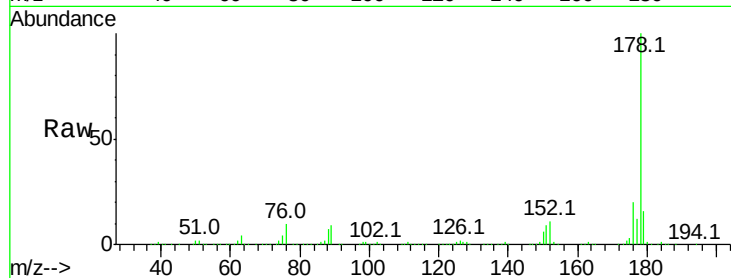
#70
Phenanthrene
Concen: 69.136 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF097172.D
Acq: 28 Jul 2017 23:46

Instrument :
BNA_F
ClientSampleId :
TP-12-SS-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	15.7	12.6	19.0

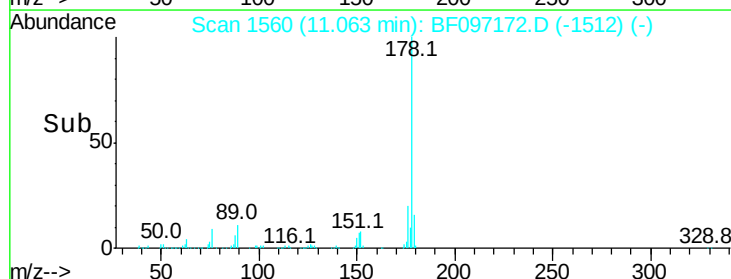
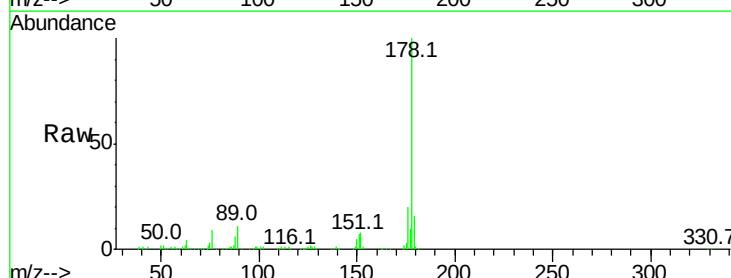
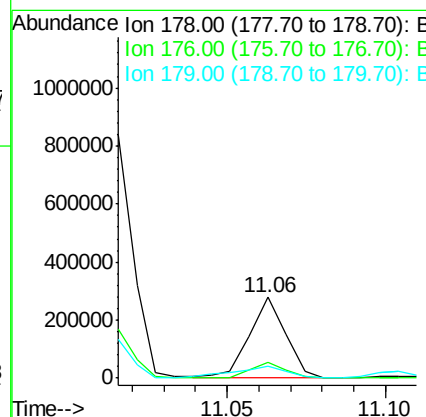
Manual Integrations
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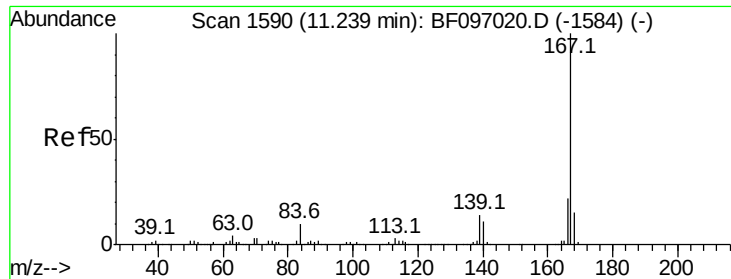
Sohil
7/31/2017 6:52:21 PM



#71
Anthracene
Concen: 19.393 ng
RT: 11.06 min Scan# 1560
Delta R.T. -0.02 min
Lab File: BF097172.D
Acq: 28 Jul 2017 23:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.5	12.7	19.1





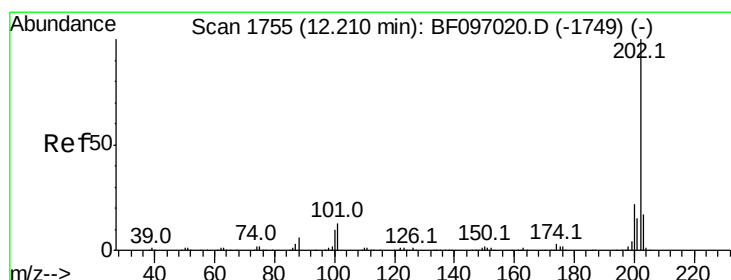
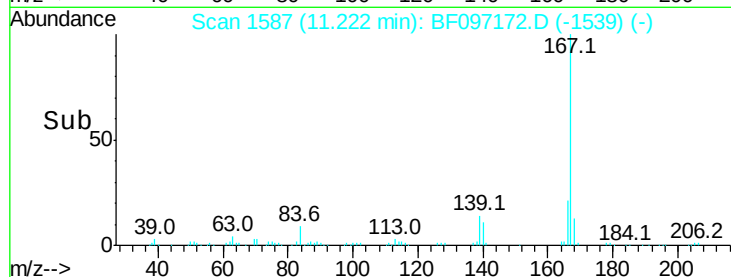
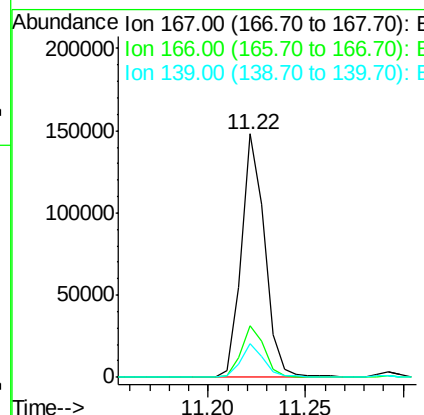
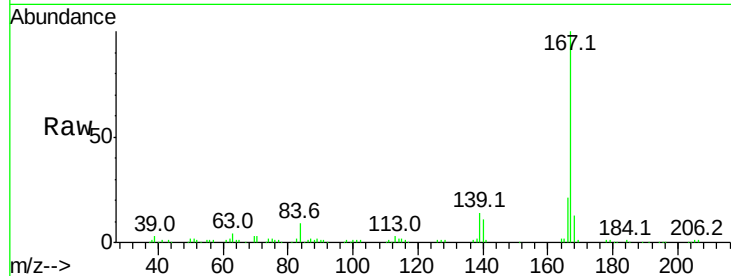
#72
 Carbazole
 Concen: 10.972 ng
 RT: 11.22 min Scan# 1587
 Delta R.T. -0.02 min
 Lab File: BF097172.D
 Acq: 28 Jul 2017 23:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-SS-4

Tot Ion	Ratio	Resp	Lower	Upper
167	100	122924		
166	21.3		18.1	27.1
139	13.6		11.7	17.5

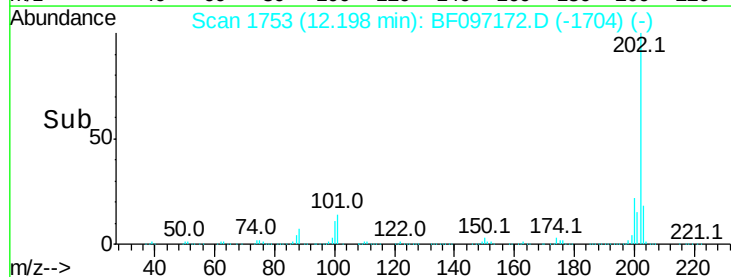
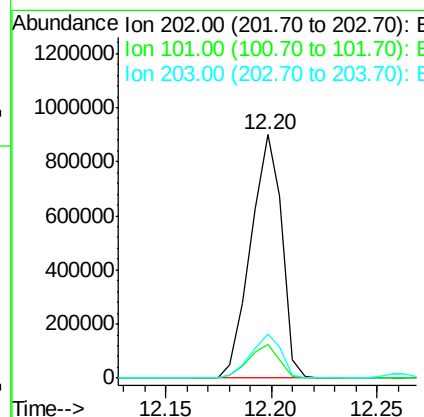
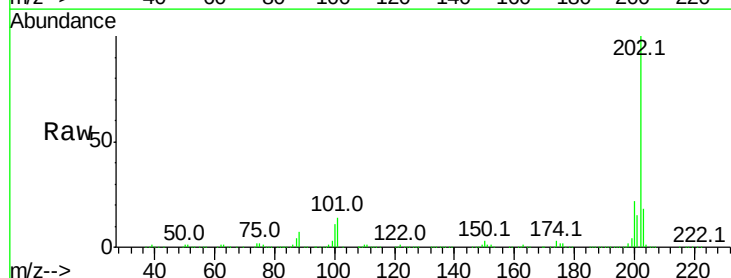
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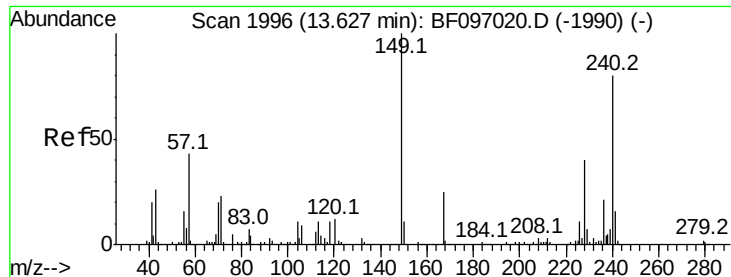
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#74
 Fluoranthene
 Concen: 84.264 ng
 RT: 12.20 min Scan# 1753
 Delta R.T. -0.01 min
 Lab File: BF097172.D
 Acq: 28 Jul 2017 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	918106		
101	14.1		0.0	33.2
203	17.8		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: BF097172.D

Acq: 28 Jul 2017 23:46

Instrument :

BNA_F

ClientSampleId :

TP-12-SS-4

Tot Ion:240 Resp: 188854

Ion Ratio Lower Upper

240 100

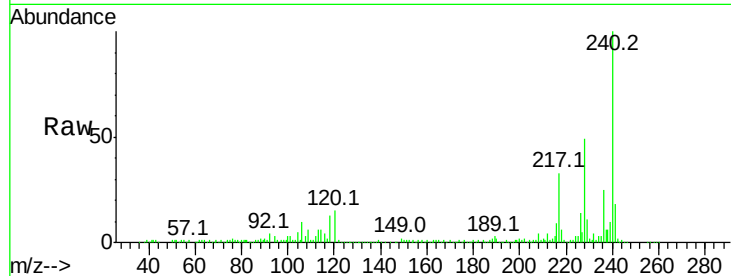
120 14.7 5.8 8.8#

236 25.3 20.5 30.7

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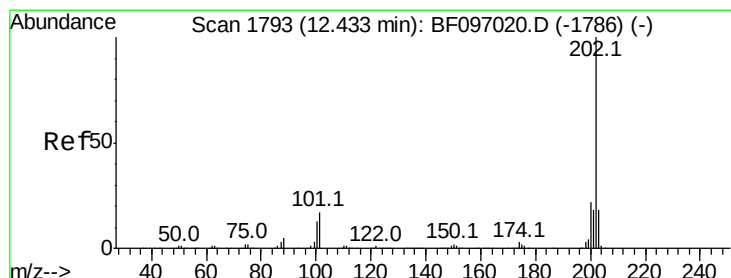
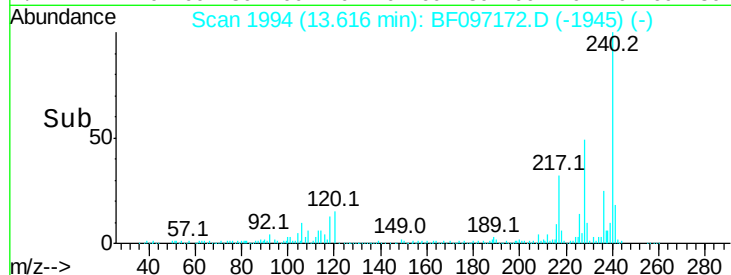
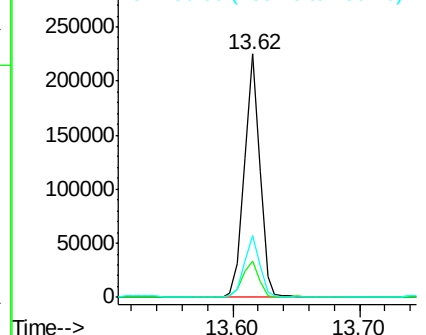
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 50.243 ng

RT: 12.42 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF097172.D

Acq: 28 Jul 2017 23:46

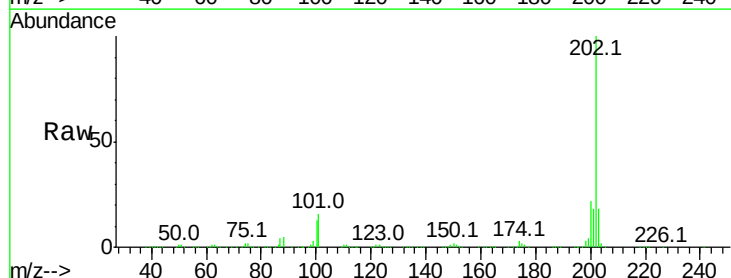
Tgt Ion:202 Resp: 776796

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

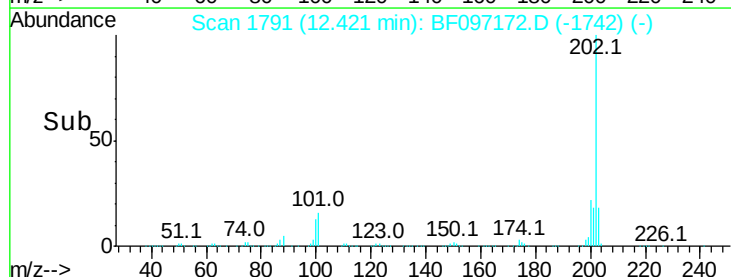
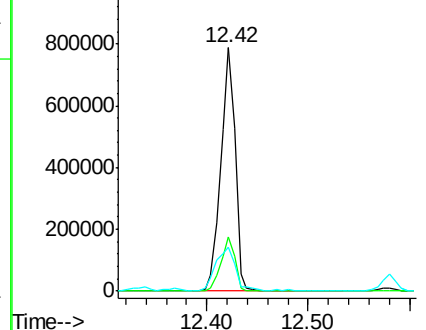
203 17.9 14.4 21.6

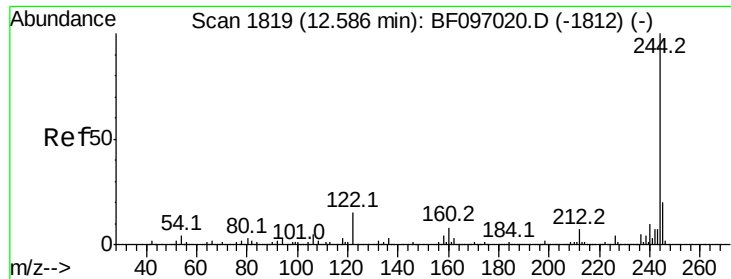


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





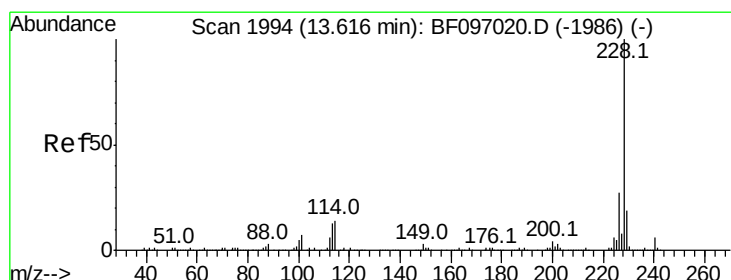
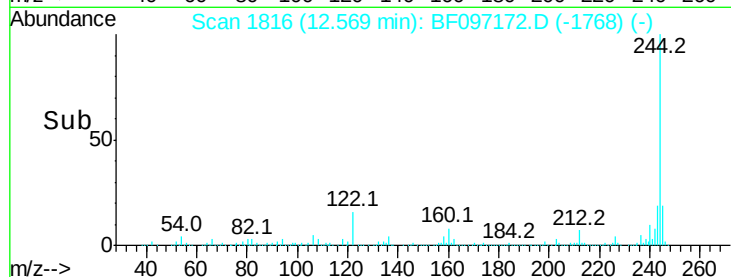
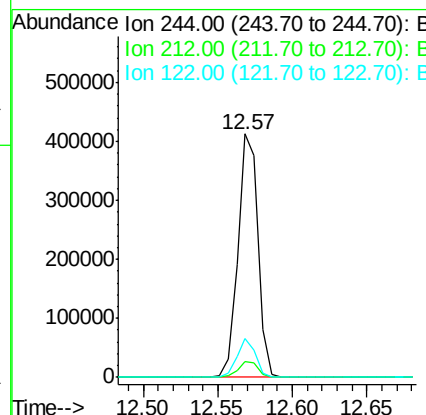
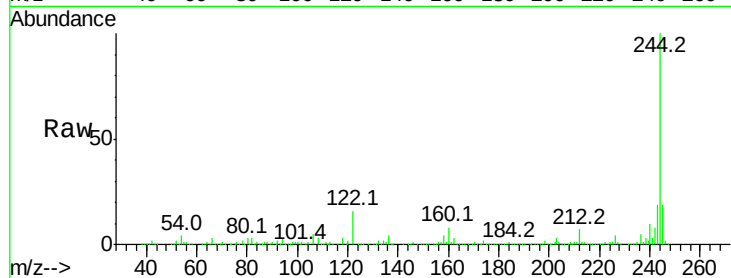
#78
 Terphenyl-d14
 Concen: 42.099 ng
 RT: 12.57 min Scan# 1816
 Delta R.T. -0.02 min
 Lab File: BF097172.D
 Acq: 28 Jul 2017 23:46

Instrument :
 BNA_F
 ClientSampled :
 TP-12-SS-4

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	15.7	10.3	15.5

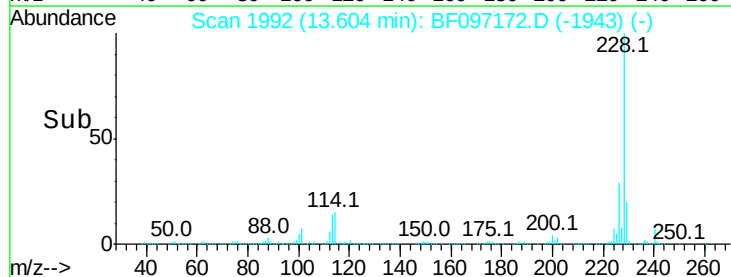
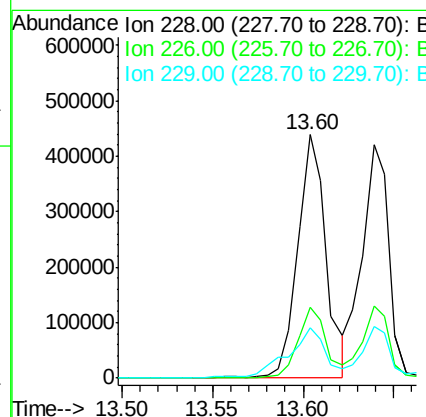
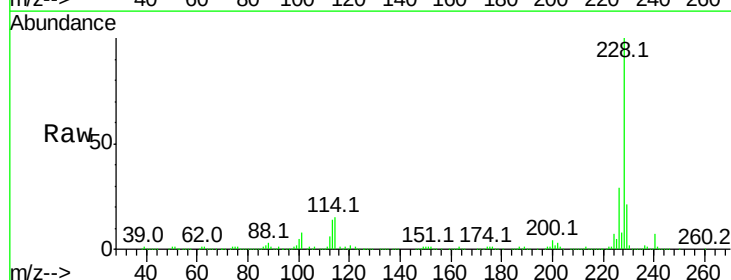
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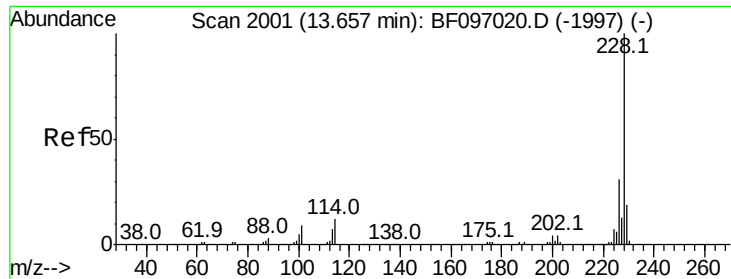
Sohil
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#80
 Benzo(a)anthracene
 Concen: 39.530 ng
 RT: 13.60 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BF097172.D
 Acq: 28 Jul 2017 23:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	20.6	16.3	24.5





#82

Chrysene

Concen: 36.163 ng

RT: 13.64 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF097172.D

Acq: 28 Jul 2017 23:46

Instrument :

BNA_F

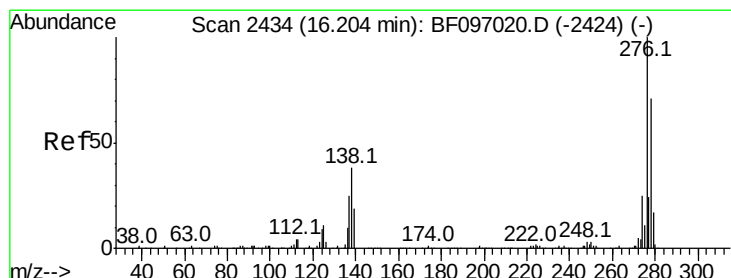
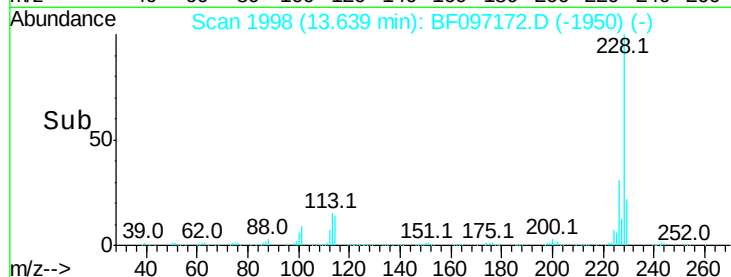
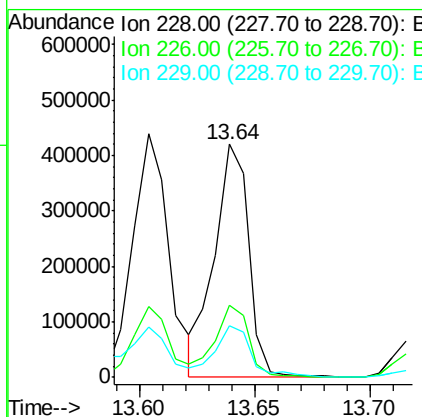
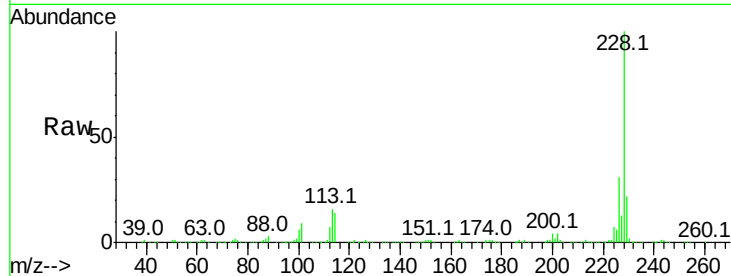
ClientSampled :

TP-12-SS-4

Tot Ion:	228	Resp:	431503
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.9	37.3
229	22.1	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 15.850 ng

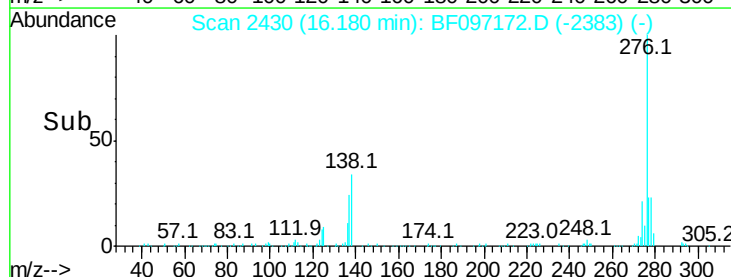
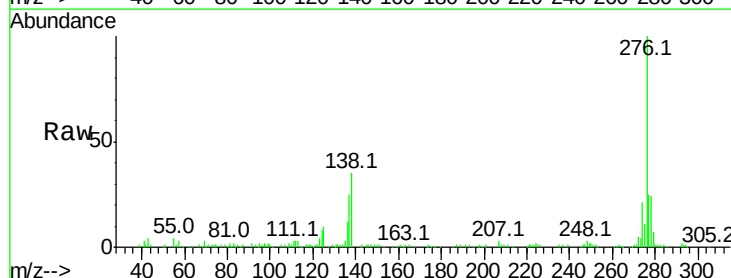
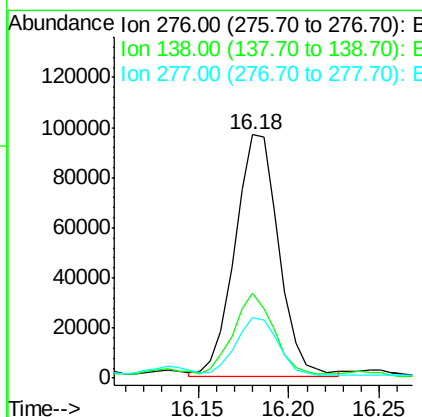
RT: 16.18 min Scan# 2430

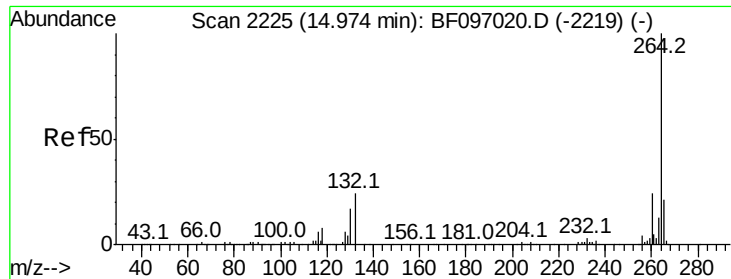
Delta R.T. -0.02 min

Lab File: BF097172.D

Acq: 28 Jul 2017 23:46

Tgt Ion:	276	Resp:	162165
Ion Ratio	Lower	Upper	
276	100		
138	32.8	27.8	41.6
277	23.2	20.2	30.4





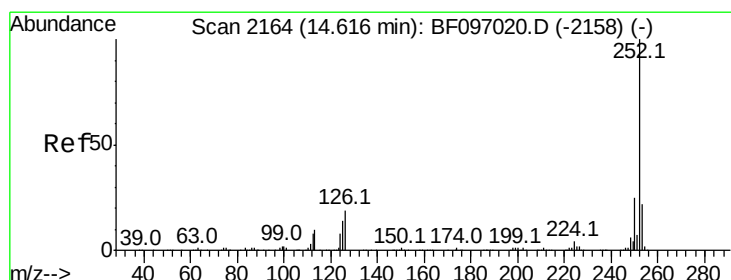
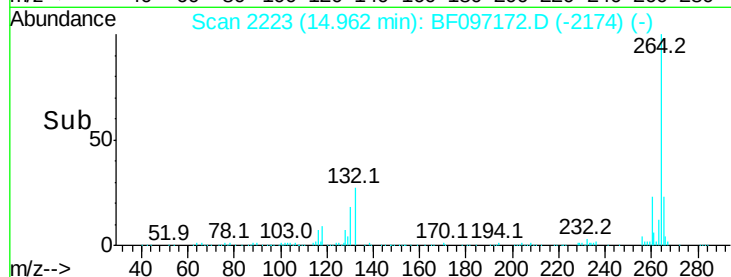
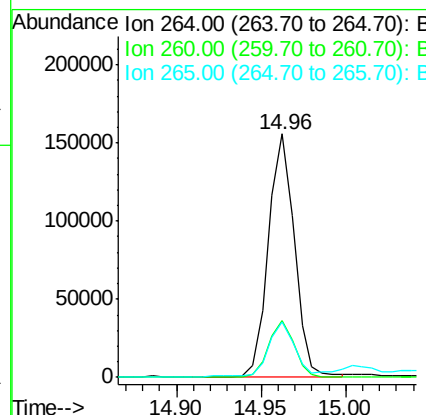
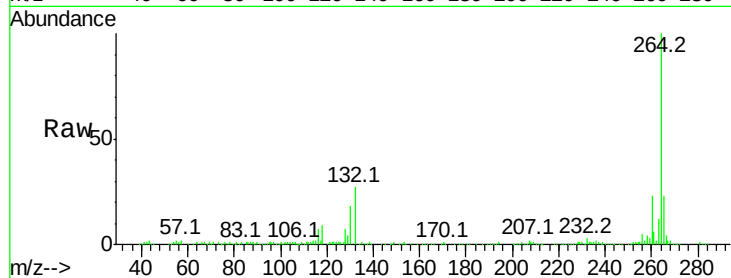
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097172.D
Acq: 28 Jul 2017 23:46

Instrument :
BNA_F
ClientSampleId :
TP-12-SS-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	22.9	17.2	25.8

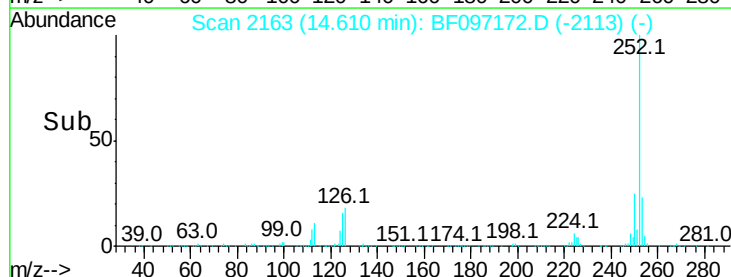
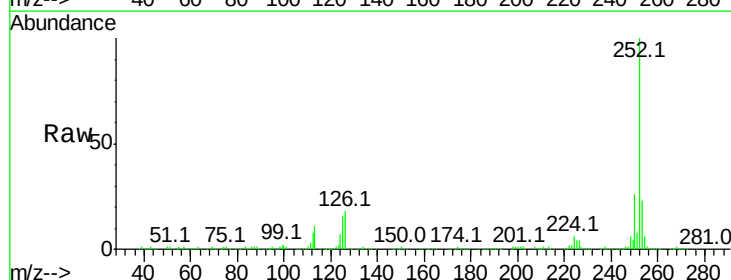
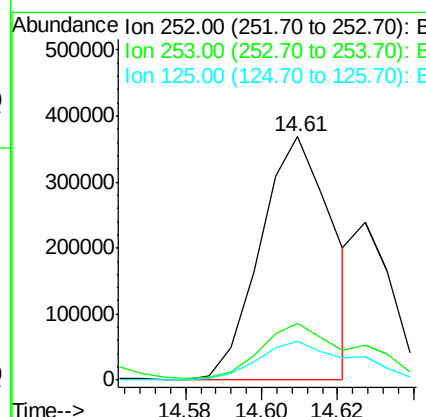
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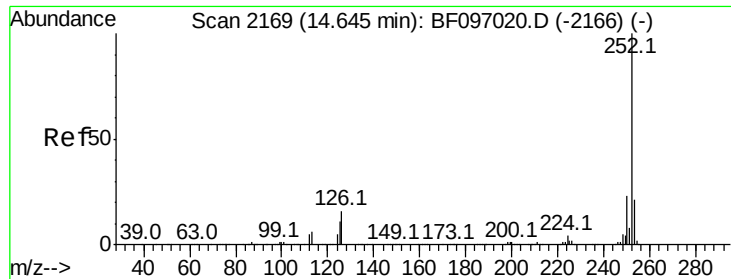
Sohil
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#87
Benzo(b)fluoranthene
Concen: 48.317 ng m
RT: 14.61 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF097172.D
Acq: 28 Jul 2017 23:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	16.0	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 16.943 ng

RT: 14.63 min Scan# 2166

Delta R.T. -0.02 min

Lab File: BF097172.D

Acq: 28 Jul 2017 23:46

Instrument :

BNA_F

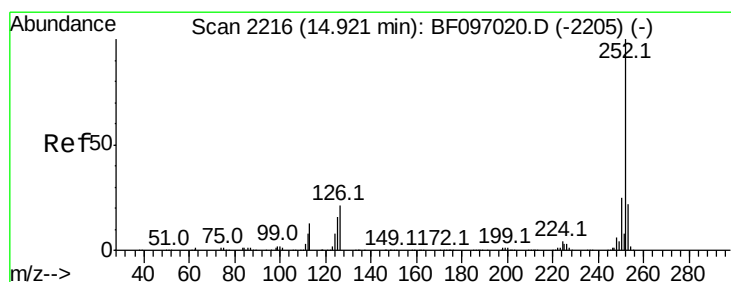
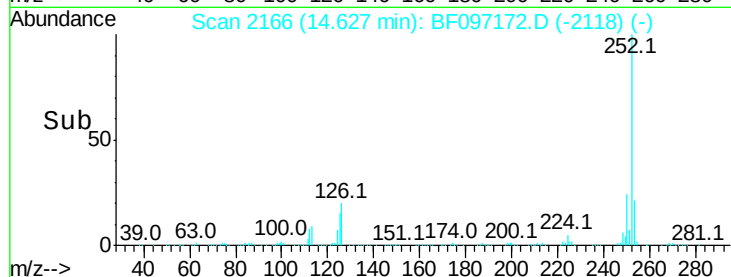
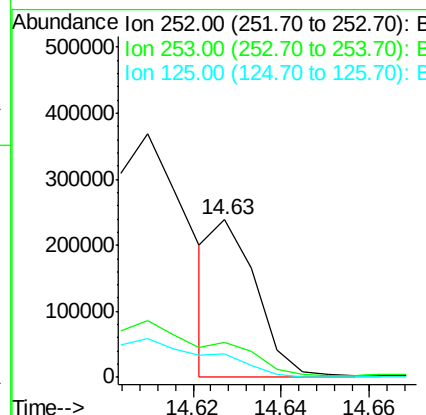
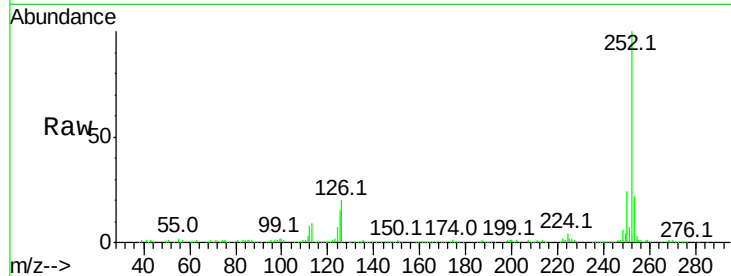
ClientSampled :

TP-12-SS-4

Tot Ion:	252	Resp:	162861
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.4	27.6
125	15.2	13.1	19.7

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 34.909 ng

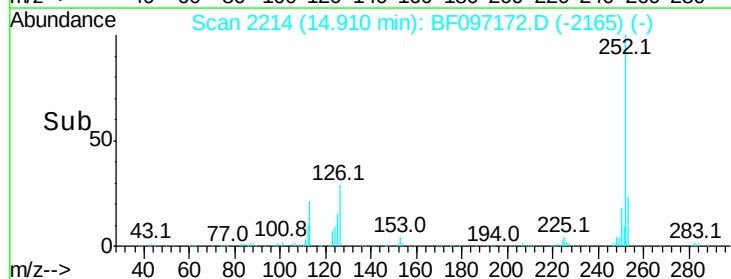
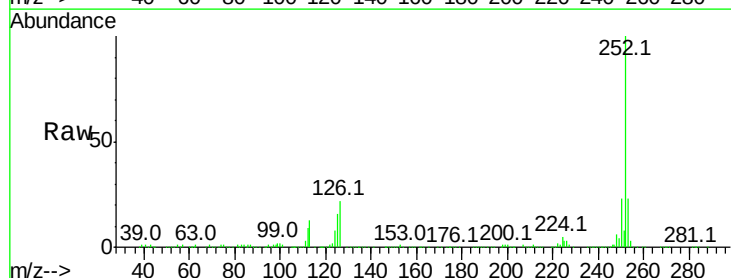
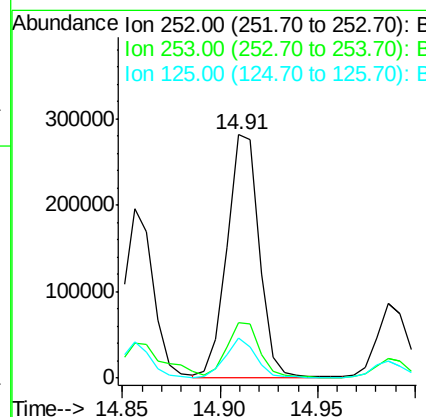
RT: 14.91 min Scan# 2214

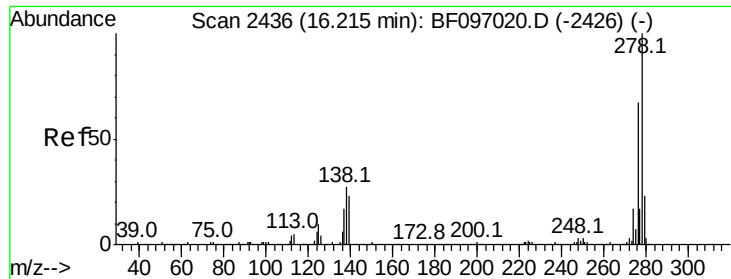
Delta R.T. -0.01 min

Lab File: BF097172.D

Acq: 28 Jul 2017 23:46

Tgt Ion:	252	Resp:	322288
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	16.4	11.0	16.4





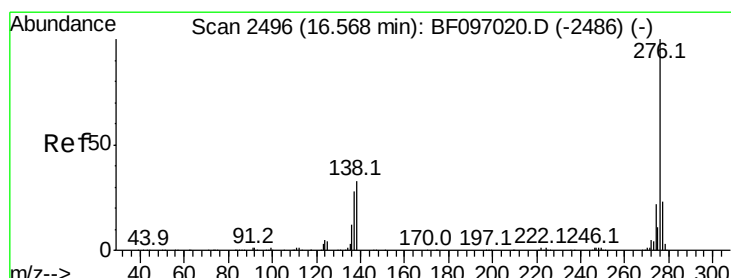
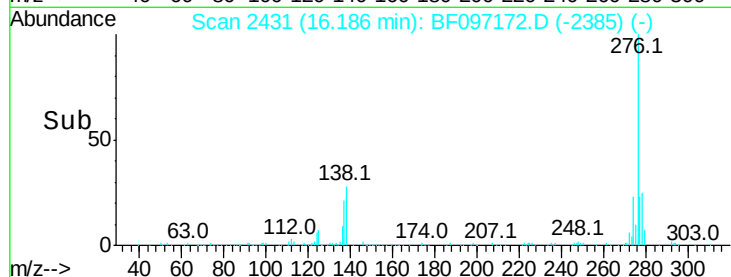
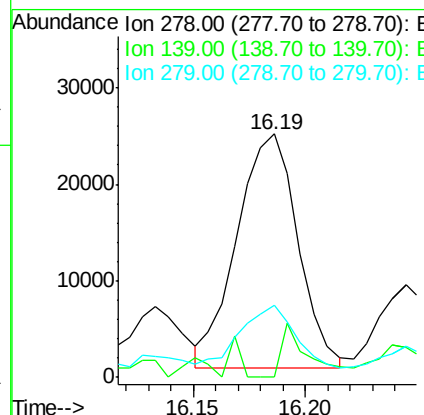
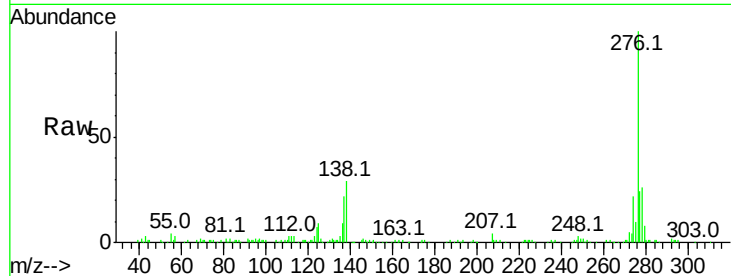
#90
Dibenzo(a,h)anthracene
Concen: 6.063 ng m
RT: 16.19 min Scan# 2431
Delta R.T. -0.03 min
Lab File: BF097172.D
Acq: 28 Jul 2017 23:46

Instrument :
BNA_F
ClientSampleId :
TP-12-SS-4

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	29.8	19.3	28.9#

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#91
Benzo(g,h,i)perylene
Concen: 16.810 ng
RT: 16.54 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BF097172.D
Acq: 28 Jul 2017 23:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	28.0
138	34.5	25.4	38.0

