

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097372.D
 Acq On : 4 Aug 2017 22:55
 Operator : SJ/JU
 Sample : I4586-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HARDWICK-SOIL-COMP

Manual Integrations
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 8/7/2017 6:10:08 PM

Quant Time: Aug 05 01:39:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	112691	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	463946	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	174386	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	240996	20.00	ng	-0.07
75) Chrysene-d12	13.55	240	217891	20.00	ng	-0.08
86) Perylene-d12	14.89	264	168712	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	617545	82.61	ng	-0.06
7) Phenol-d6	6.12	99	780756	91.49	ng	-0.05
23) Nitrobenzene-d5	7.01	82	446793	56.50	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	95493	69.31	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	651744	63.43	ng	-0.07
78) Terphenyl-d14	12.51	244	344455	32.23	ng	-0.08
Target Compounds						
10) Phenol	6.13	94	26889	2.656	ng	Qvalue # 69
49) Dimethylphthalate	9.20	163	179518	13.556	ng	99
74) Fluoranthene	12.13	202	51102	4.040	ng	96
77) Pyrene	12.36	202	51130	2.866	ng	98
80) Benzo(a)anthracene	13.54	228	40356m	2.862	ng	
82) Chrysene	13.58	228	57191	4.154	ng	98
85) Indeno(1,2,3-cd)pyrene	16.10	276	29823	2.526	ng	# 93
87) Benzo(b)fluoranthene	14.54	252	77247m	7.617	ng	
88) Benzo(k)fluoranthene	14.56	252	26979m	2.792	ng	
89) Benzo(a)pyrene	14.84	252	43963	4.736	ng	# 89
91) Benzo(g,h,i)perylene	16.46	276	31543	3.952	ng	94

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

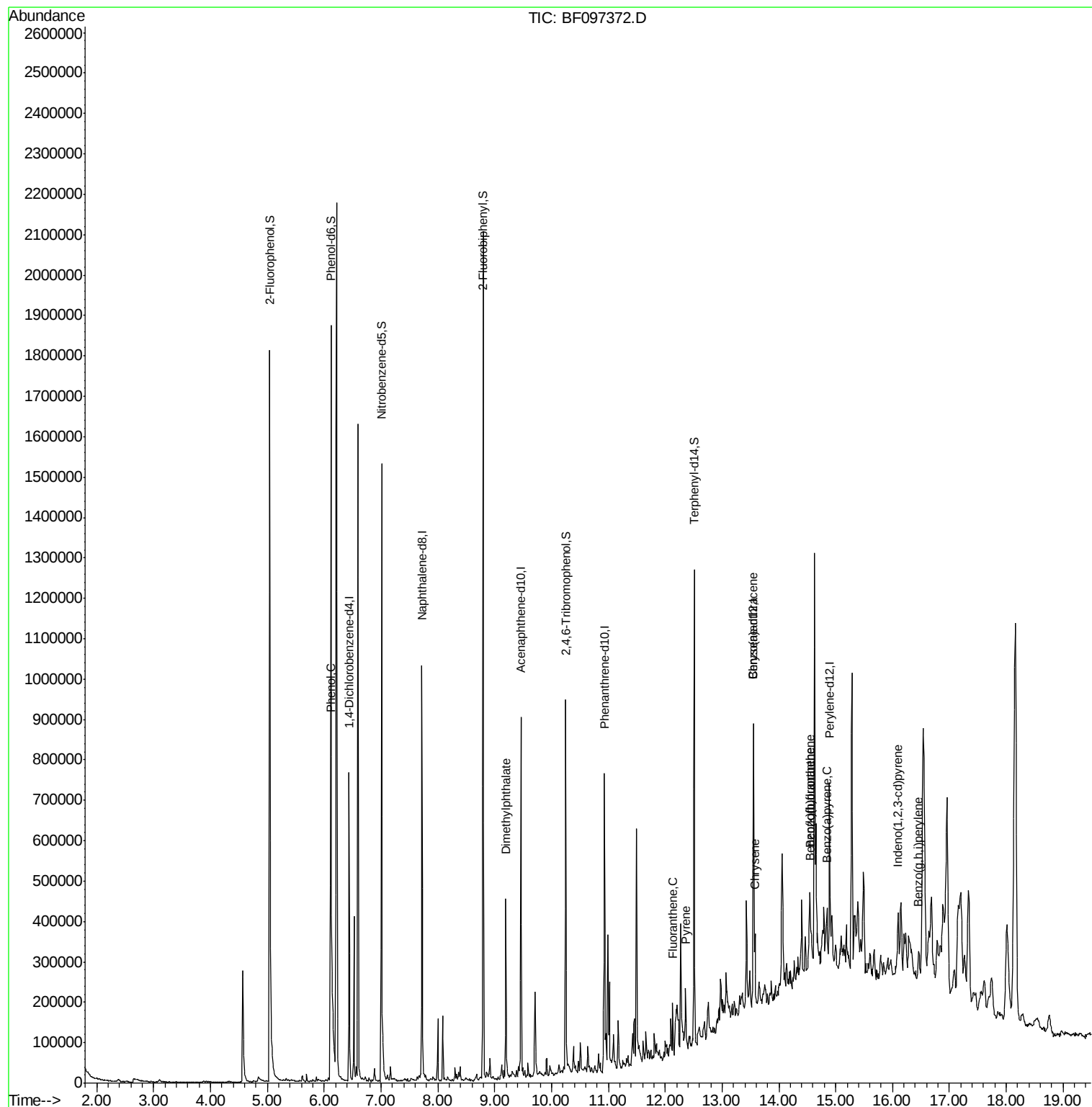
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
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ALS Vial : 22 Sample Multiplier: 1

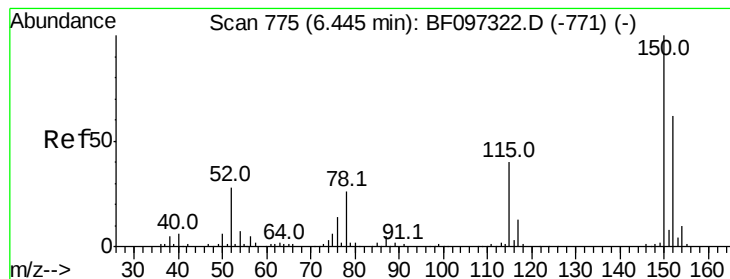
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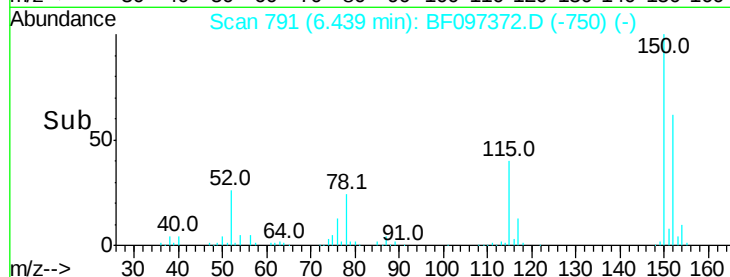
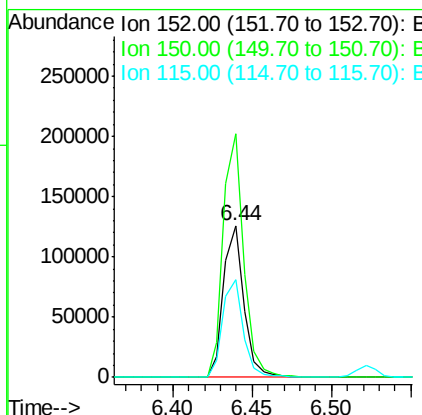
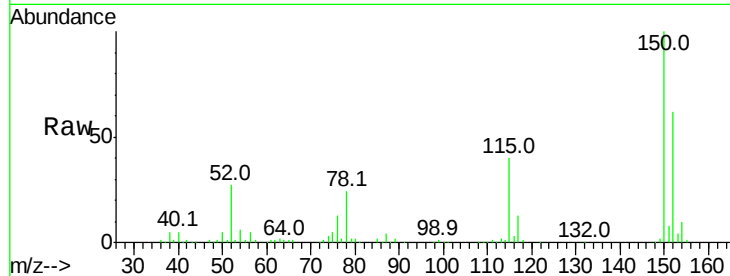
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.44 min Scan# 791
 Delta R.T. -0.06 min
 Lab File: BF097372.D
 Acq: 4 Aug 2017 22:55

Instrument :
 BNA_F
 ClientSampleId :
 HARDWICK-SOIL-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.2	189.2
115	64.2	52.2	78.2

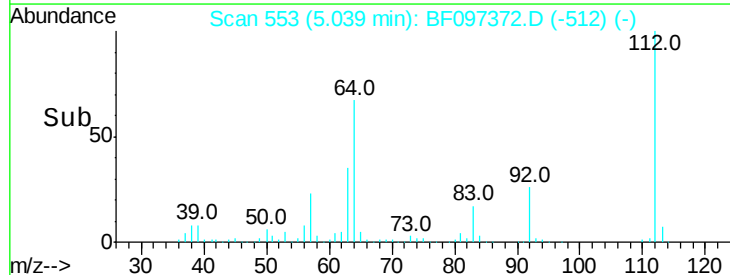
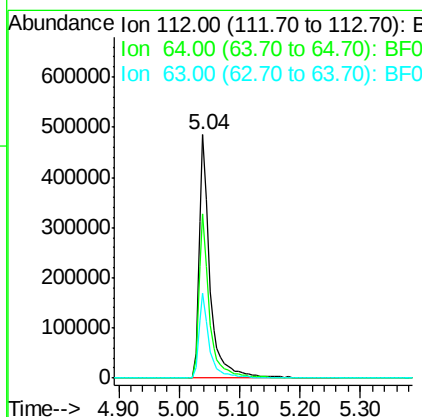
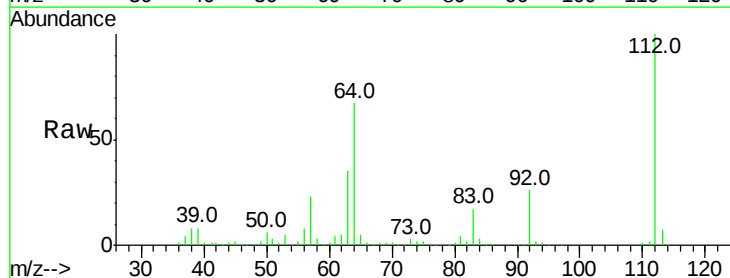
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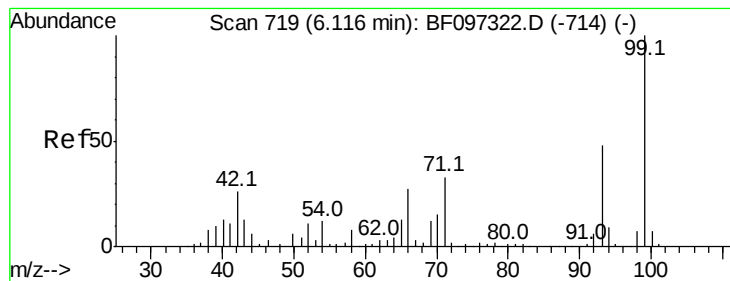
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#5
 2-Fluorophenol
 Concen: 82.610 ng
 RT: 5.04 min Scan# 553
 Delta R.T. -0.06 min
 Lab File: BF097372.D
 Acq: 4 Aug 2017 22:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	46.0	69.0
63	34.7	23.4	35.0





#7

Phenol-d6

Concen: 91.487 ng

RT: 6.12 min Scan# 736

Delta R.T. -0.05 min

Lab File: BF097372.D

Acq: 4 Aug 2017 22:55

Instrument :

BNA_F

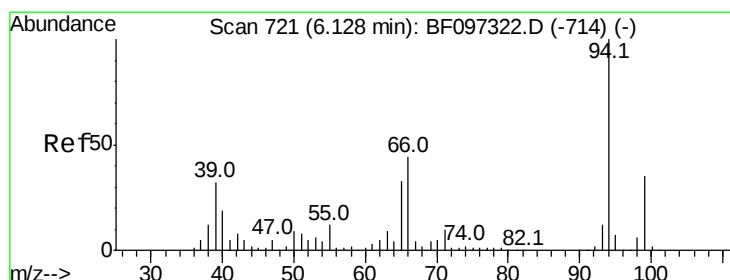
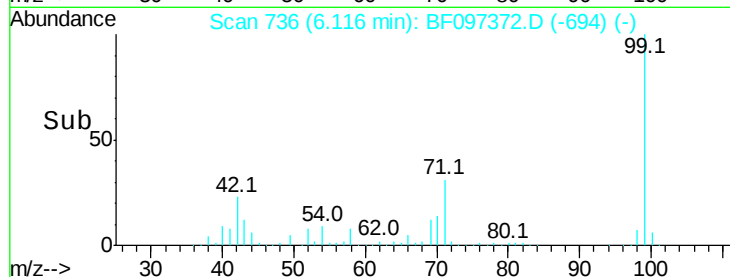
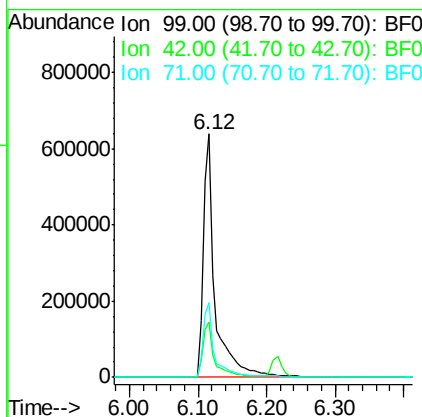
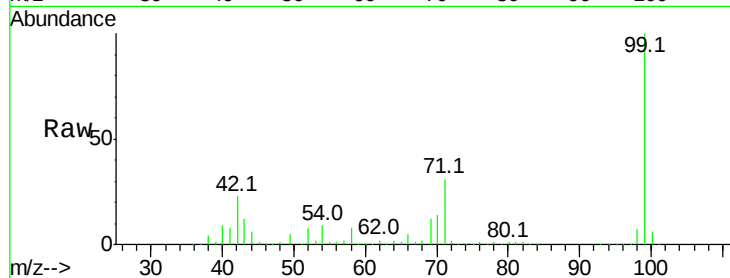
ClientSampleId :

HARDWICK-SOIL-COMP

Tot Ion:	99	Resp:	780756
Ion Ratio	Lower	Upper	
99	100		
42	22.9	13.5	20.3#
71	30.9	24.5	36.7

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#10

Phenol

Concen: 2.656 ng

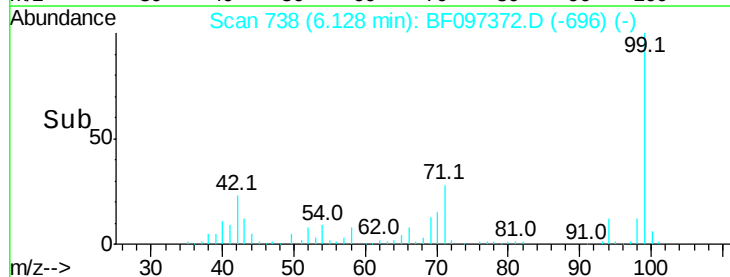
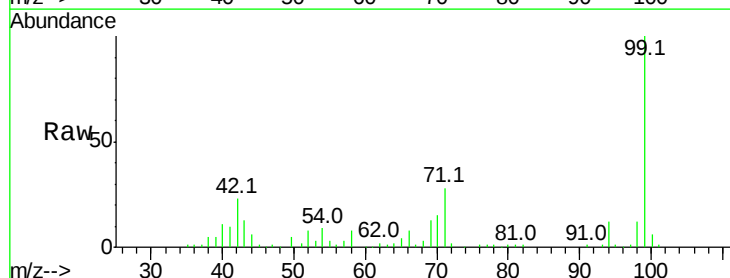
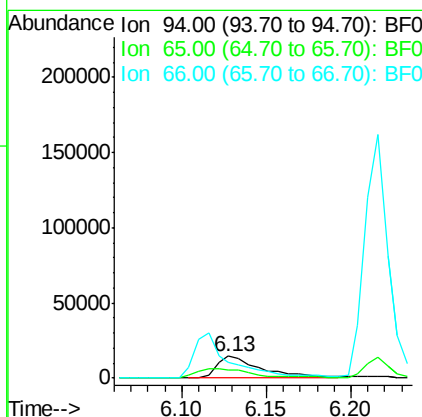
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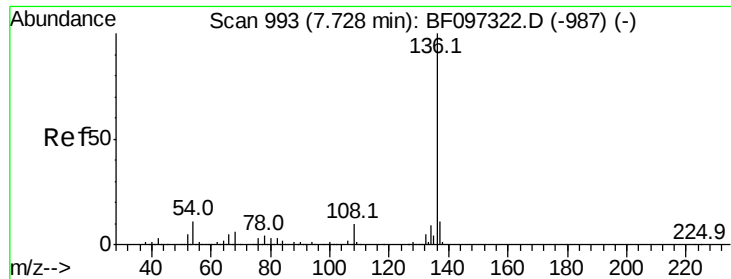
Delta R.T. -0.05 min

Lab File: BF097372.D

Acq: 4 Aug 2017 22:55

Tgt Ion:	94	Resp:	26889
Ion Ratio	Lower	Upper	
94	100		
65	36.8	9.9	49.9
66	71.3	23.1	63.1#





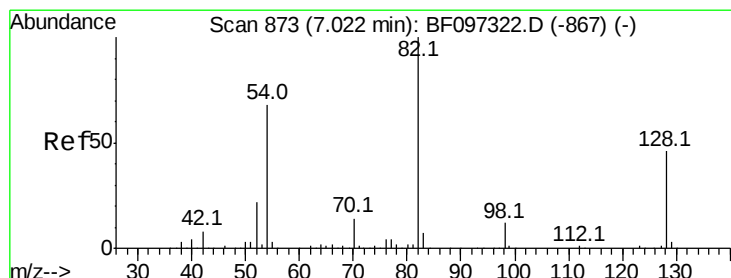
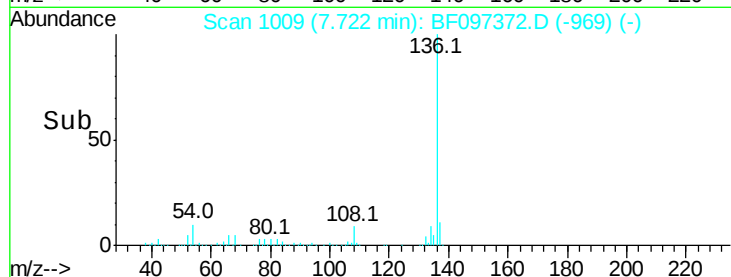
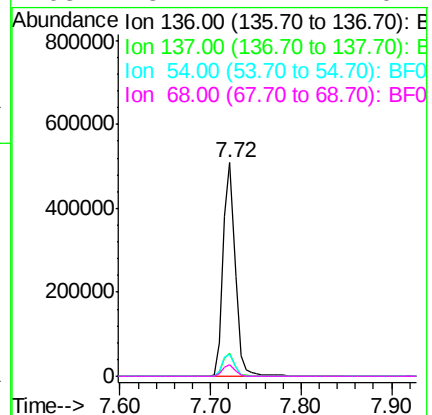
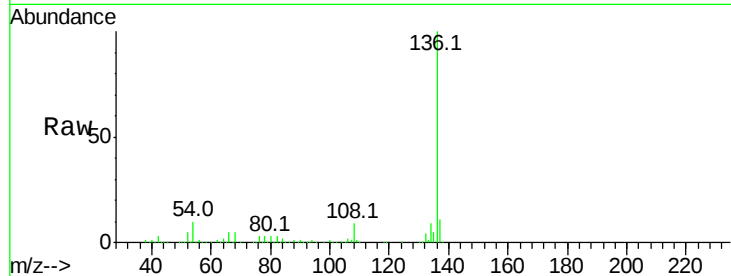
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF097372.D
Acq: 4 Aug 2017 22:55

Instrument :
BNA_F
ClientSampleId :
HARDWICK-SOIL-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.5	12.7	
54	10.4	4.9	7.3	
68	5.4	4.1	6.1	

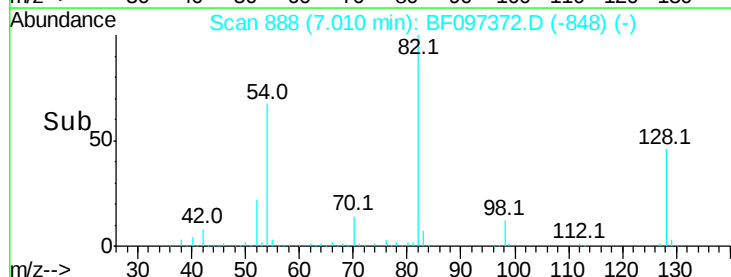
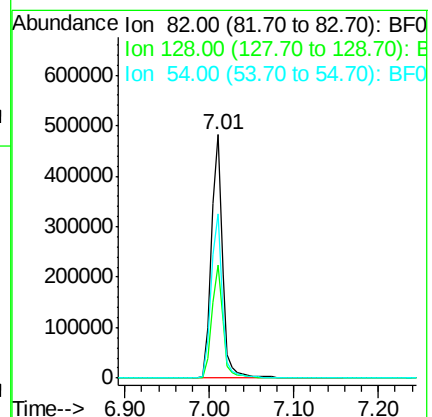
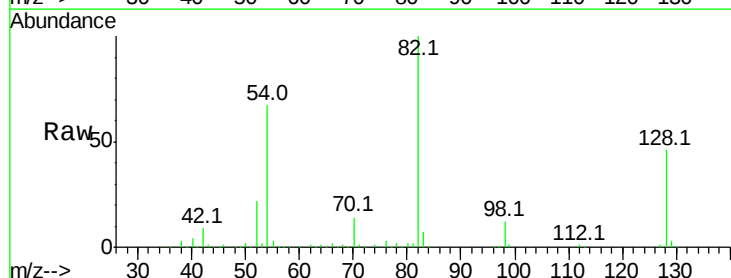
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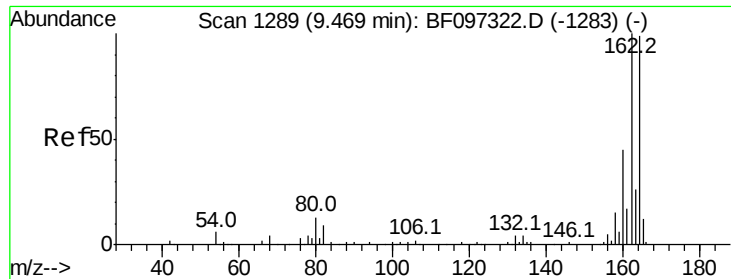
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#23
Nitrobenzene-d5
Concen: 56.495 ng
RT: 7.01 min Scan# 888
Delta R.T. -0.06 min
Lab File: BF097372.D
Acq: 4 Aug 2017 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.2	34.0	51.0	
54	67.3	42.2	63.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.46 min Scan# 1305

Delta R.T. -0.07 min

Lab File: BF097372.D

Acq: 4 Aug 2017 22:55

Instrument :

BNA_F

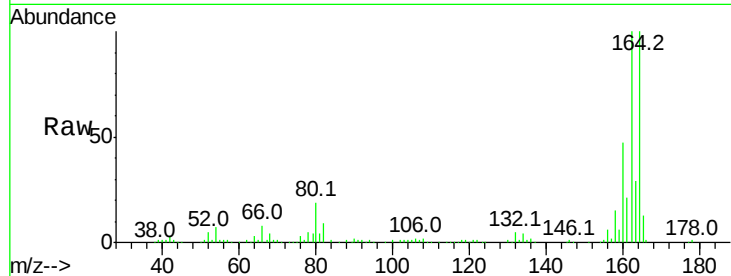
ClientSampleId :

HARDWICK-SOIL-COMP

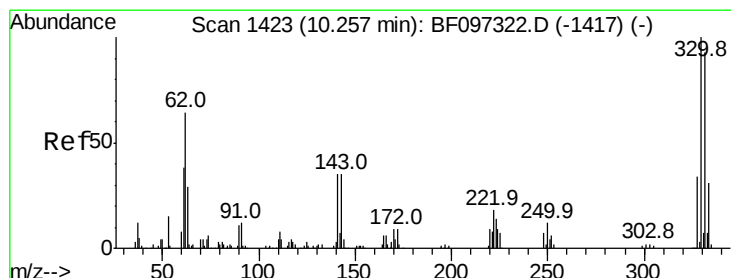
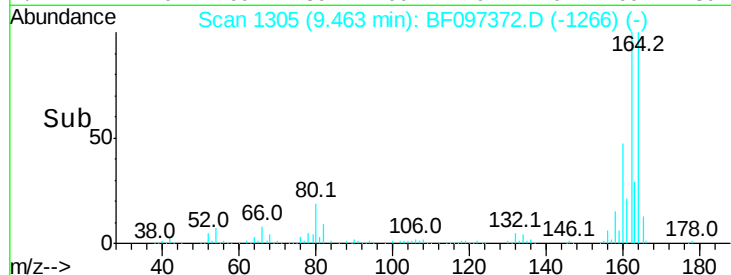
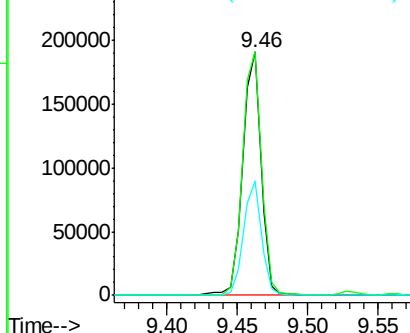
Tot Ion:	164	Resp:	174386
Ion Ratio	Lower	Upper	
164	100		
162	100.1	82.6	123.8
160	47.1	36.2	54.2

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 69.307 ng

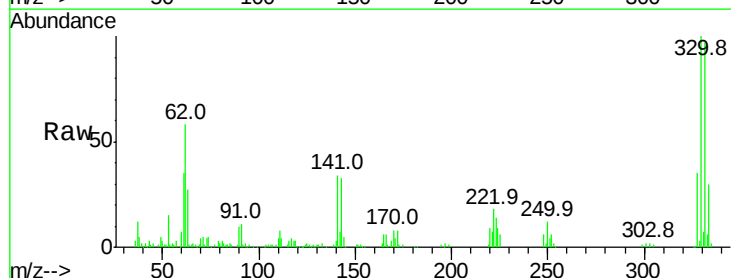
RT: 10.25 min Scan# 1439

Delta R.T. -0.07 min

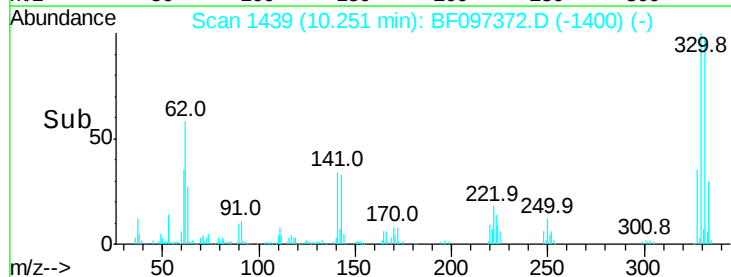
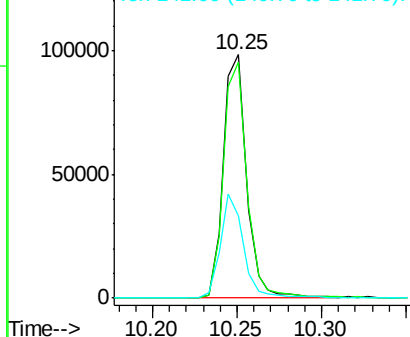
Lab File: BF097372.D

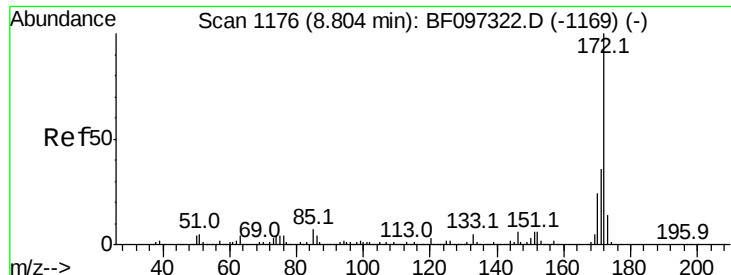
Acq: 4 Aug 2017 22:55

Tgt Ion:	330	Resp:	95493
Ion Ratio	Lower	Upper	
330	100		
332	97.7	76.6	115.0
141	42.0	31.4	47.2



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





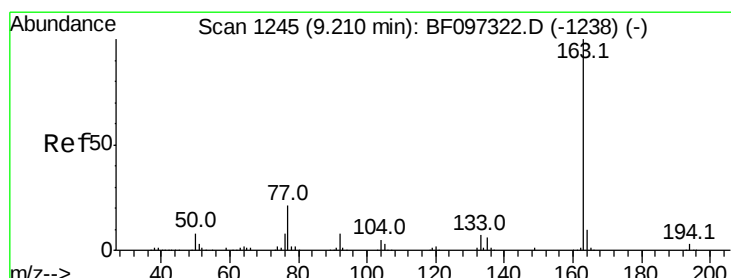
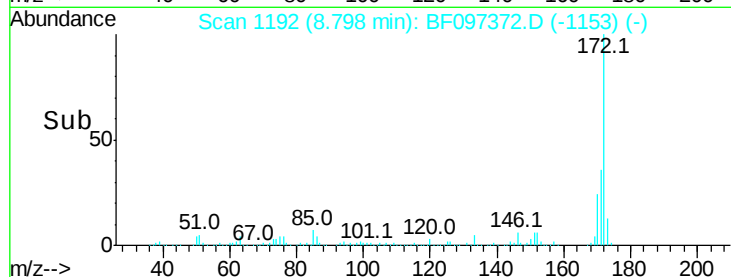
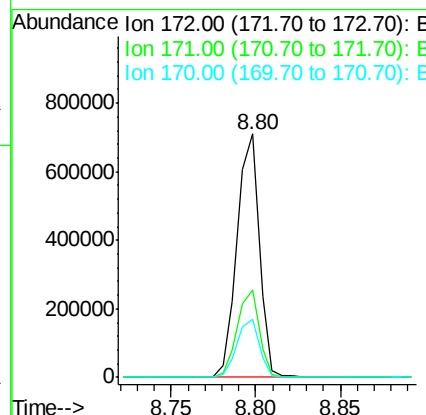
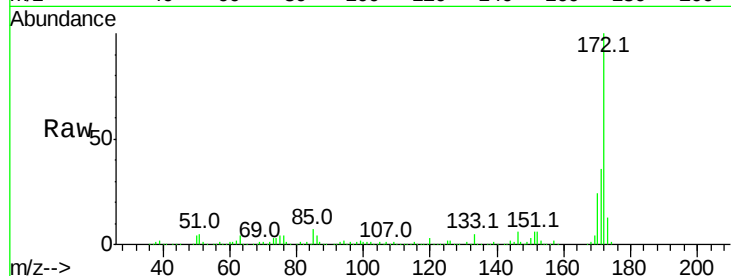
#44
2-Fluorobiphenyl
Concen: 63.427 ng
RT: 8.80 min Scan# 1192
Delta R.T. -0.07 min
Lab File: BF097372.D
Acq: 4 Aug 2017 22:55

Instrument :
BNA_F
ClientSampleId :
HARDWICK-SOIL-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	651744		
171	35.7		29.6	44.4
170	24.0		19.8	29.8

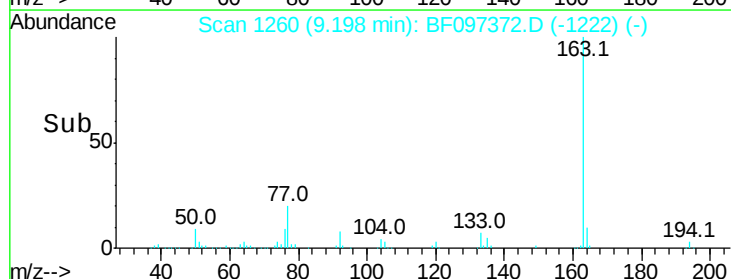
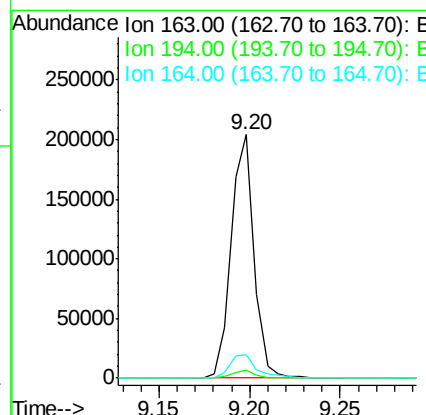
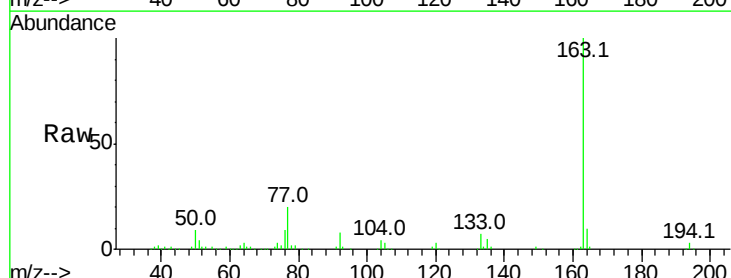
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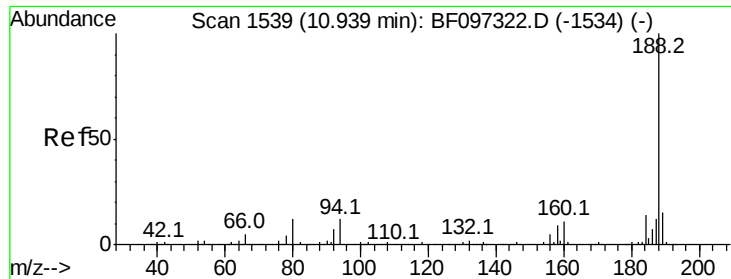
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#49
Dimethylphthalate
Concen: 13.556 ng
RT: 9.20 min Scan# 1260
Delta R.T. -0.08 min
Lab File: BF097372.D
Acq: 4 Aug 2017 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	179518		
194	3.1		2.6	4.0
164	9.9		8.4	12.6





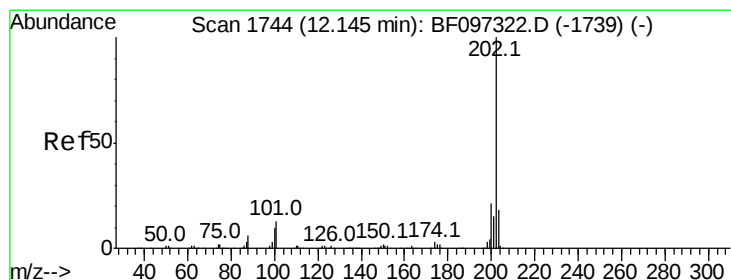
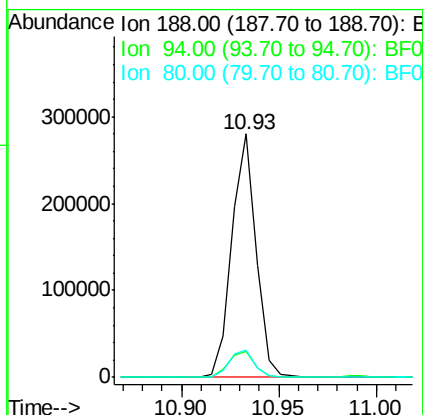
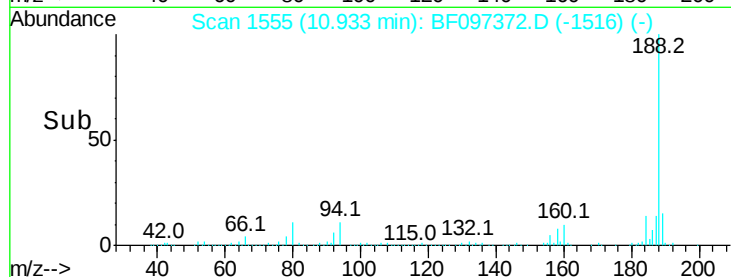
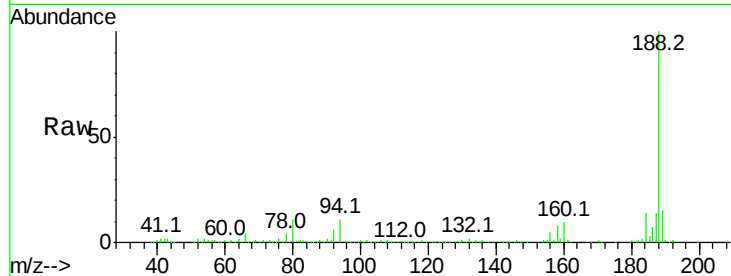
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097372.D
Acq: 4 Aug 2017 22:55

Instrument :
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HARDWICK-SOIL-COMP

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.8	9.4	14.2
80	11.3	10.2	15.2

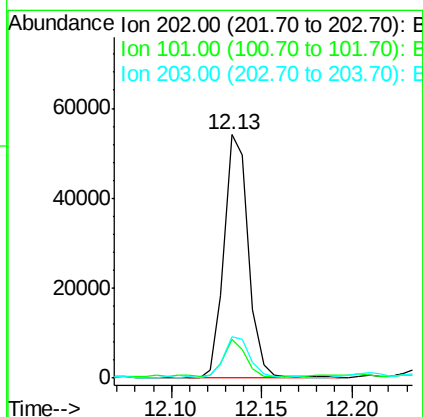
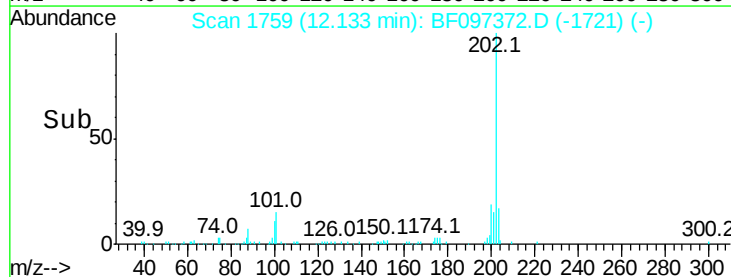
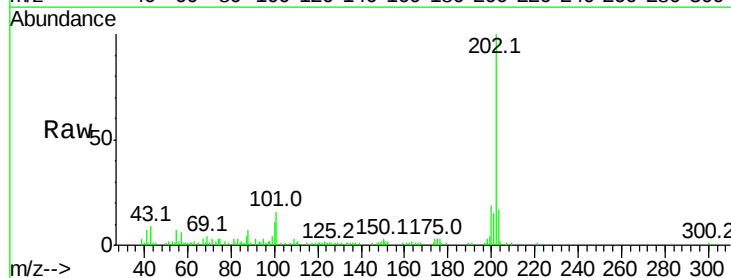
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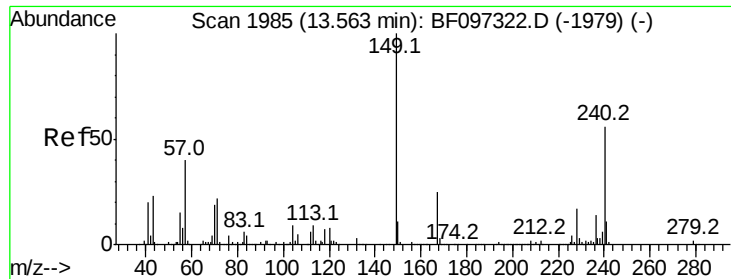
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#74
Fluoranthene
Concen: 4.040 ng
RT: 12.13 min Scan# 1759
Delta R.T. -0.08 min
Lab File: BF097372.D
Acq: 4 Aug 2017 22:55

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	15.7	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.55 min Scan# 2000

Delta R.T. -0.08 min

Lab File: BF097372.D

Acq: 4 Aug 2017 22:55

Instrument :

BNA_F

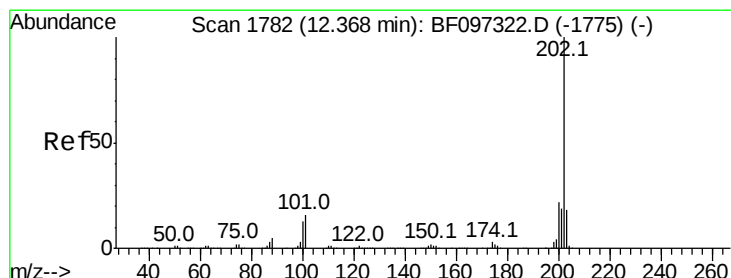
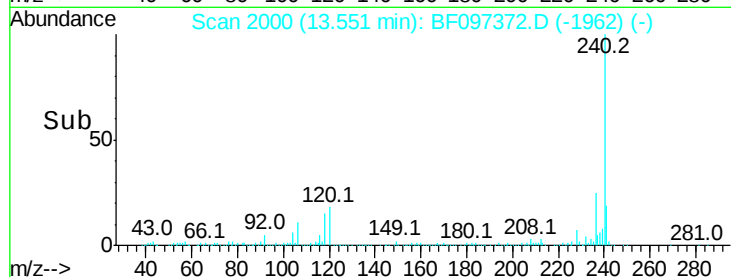
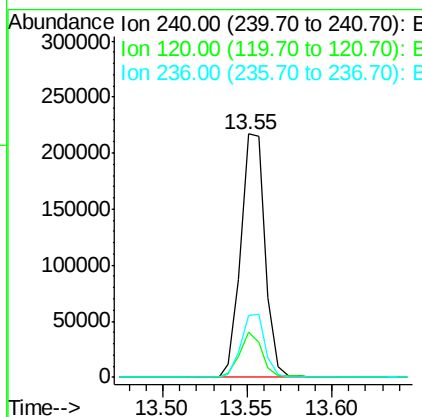
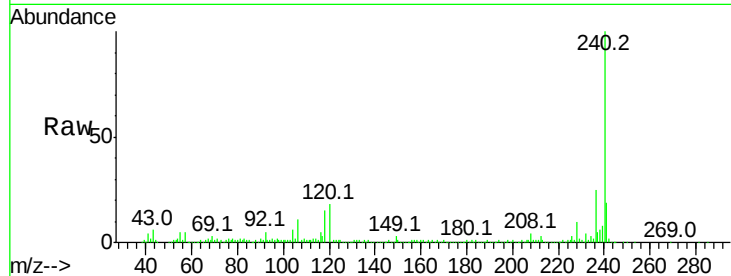
ClientSampleId :

HARDWICK-SOIL-COMP

Tot Ion	Ratio	Resp	Lower	Upper
240	100	217891		
120	18.4	5.8	8.8#	
236	25.3	20.5	30.7	

Manual Integrations
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#77

Pyrene

Concen: 2.866 ng

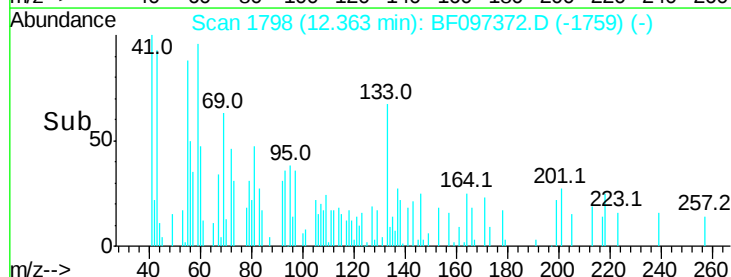
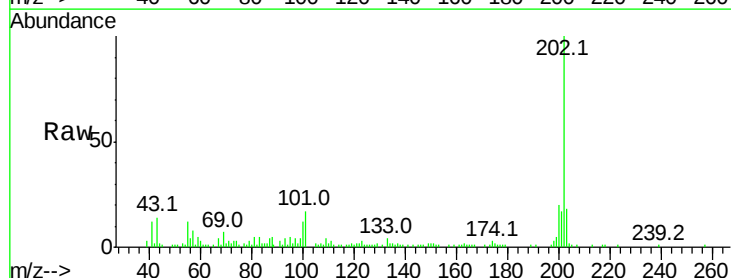
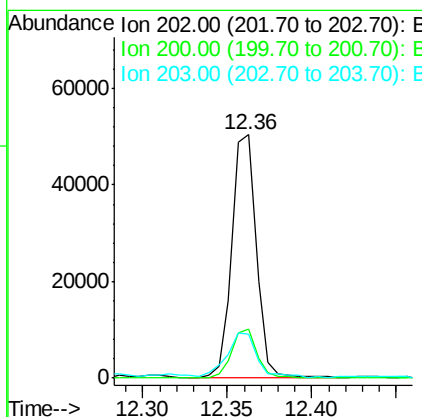
RT: 12.36 min Scan# 1798

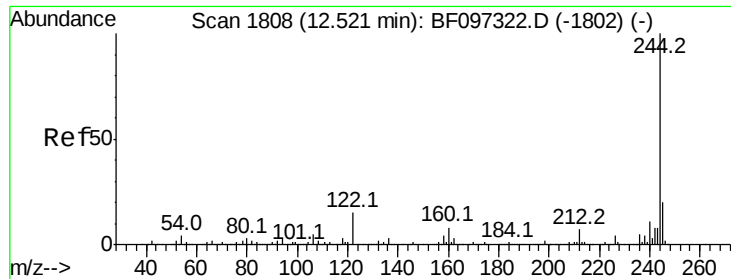
Delta R.T. -0.07 min

Lab File: BF097372.D

Acq: 4 Aug 2017 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	51130		
200	20.2	17.6	26.4	
203	18.0	14.4	21.6	





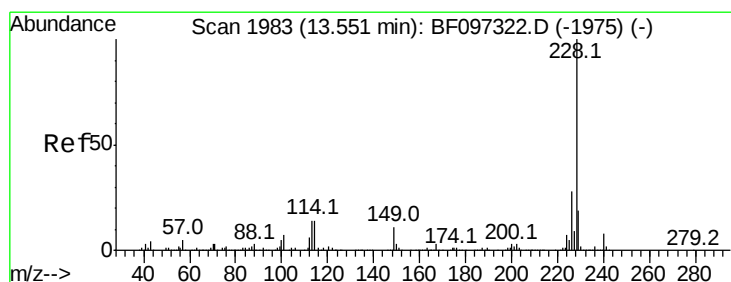
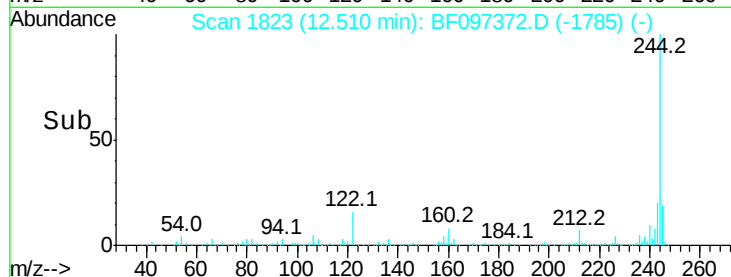
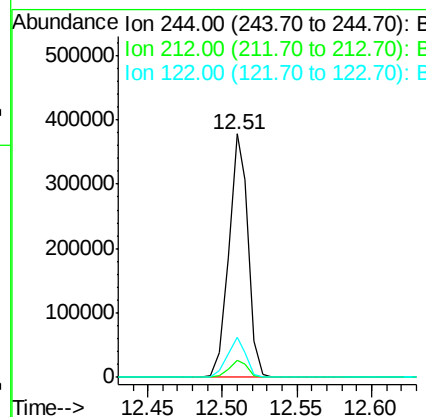
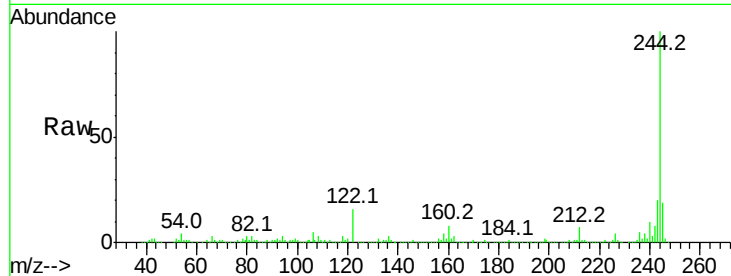
#78
 Terphenyl-d14
 Concen: 32.231 ng
 RT: 12.51 min Scan# 1823
 Delta R.T. -0.08 min
 Lab File: BF097372.D
 Acq: 4 Aug 2017 22:55

Instrument :
 BNA_F
 ClientSampleId :
 HARDWICK-SOIL-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	16.4	10.3	15.5

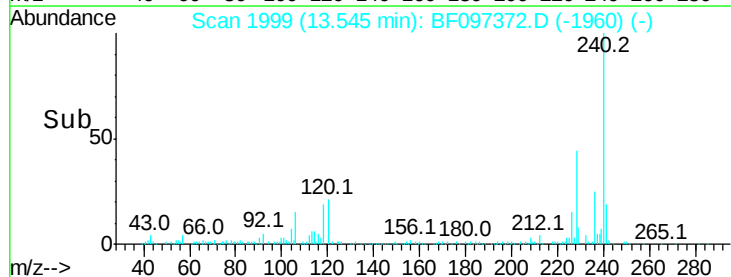
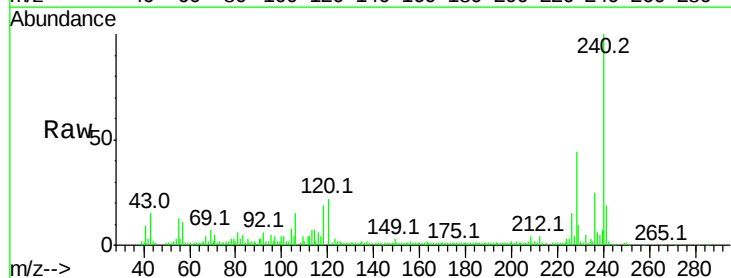
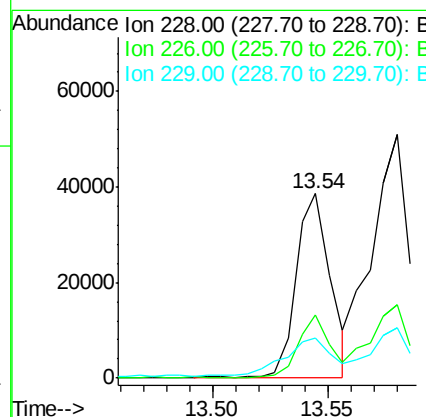
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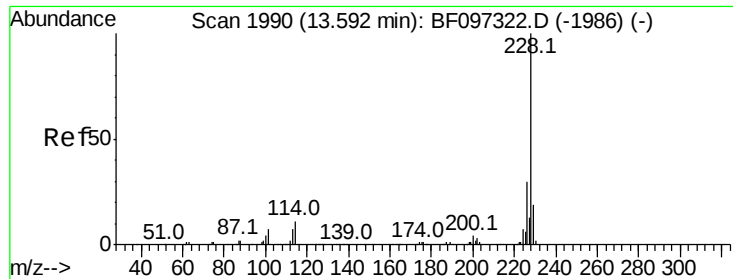
Sohil
 8/7/2017 6:10:08 PM



#80
 Benzo(a)anthracene
 Concen: 2.862 ng m
 RT: 13.54 min Scan# 1999
 Delta R.T. -0.07 min
 Lab File: BF097372.D
 Acq: 4 Aug 2017 22:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.2	22.6	33.8
229	21.7	16.3	24.5





#82

Chrysene

Concen: 4.154 ng

RT: 13.58 min Scan# 2005

Delta R.T. -0.08 min

Lab File: BF097372.D

Acq: 4 Aug 2017 22:55

Instrument :

BNA_F

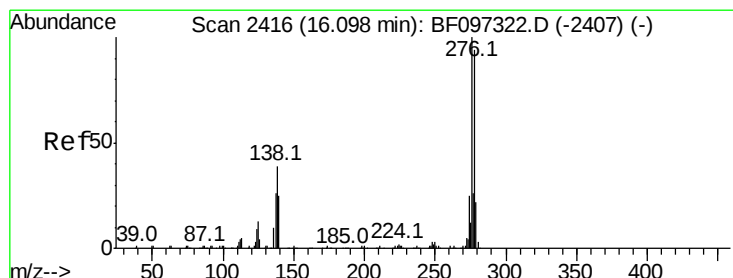
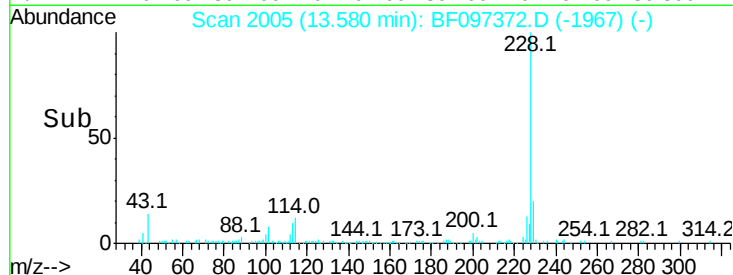
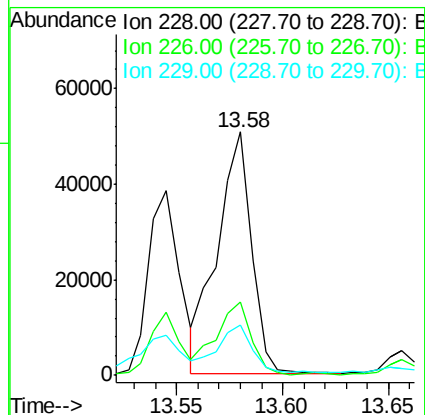
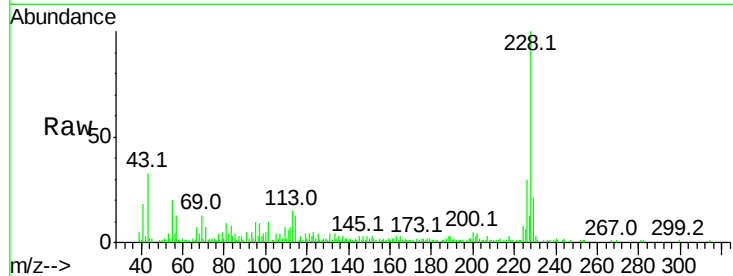
ClientSampleId :

HARDWICK-SOIL-COMP

Tot Ion:	228	Resp:	57191
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.9	37.3
229	20.9	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.526 ng

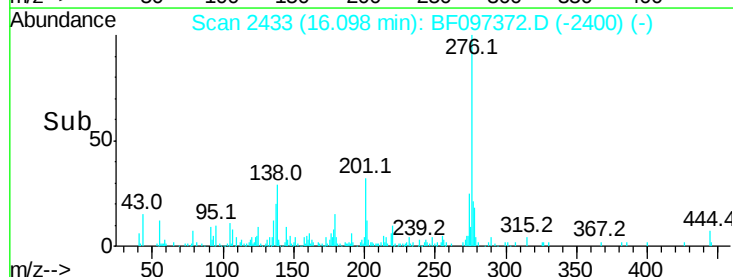
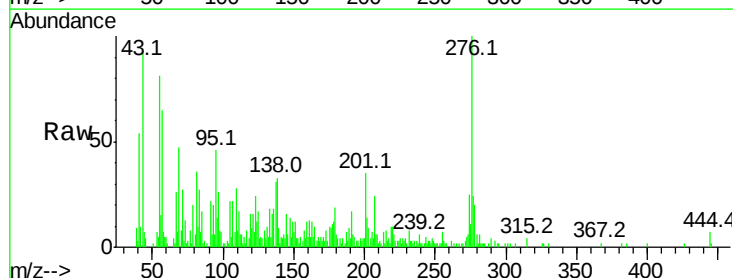
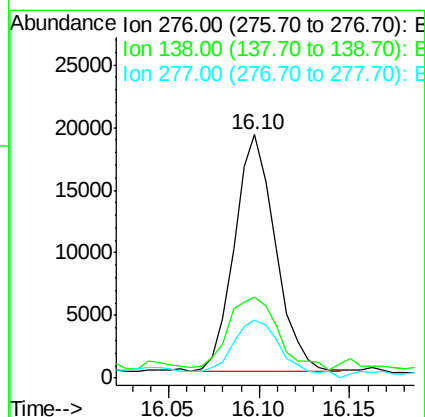
RT: 16.10 min Scan# 2433

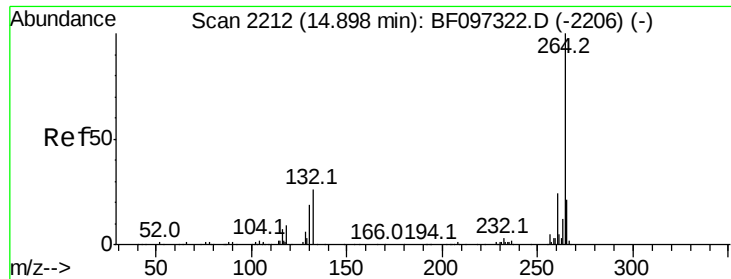
Delta R.T. -0.11 min

Lab File: BF097372.D

Acq: 4 Aug 2017 22:55

Tgt Ion:	276	Resp:	29823
Ion Ratio	Lower	Upper	
276	100		
138	37.7	27.8	41.6
277	30.6	20.2	30.4#





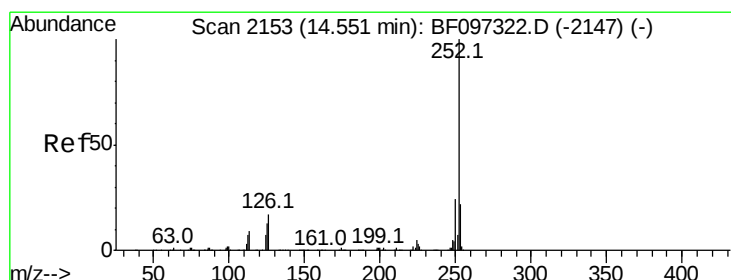
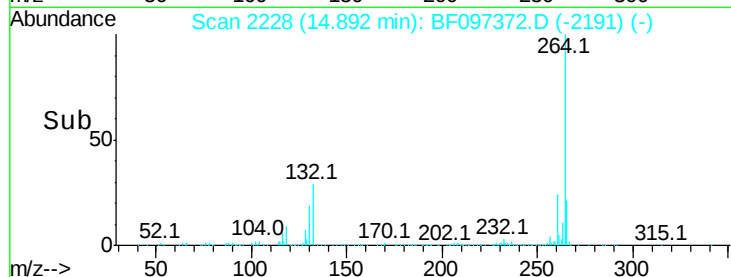
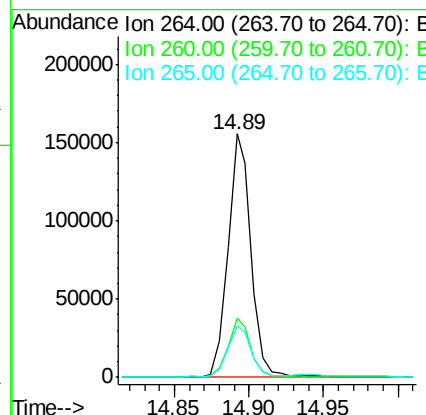
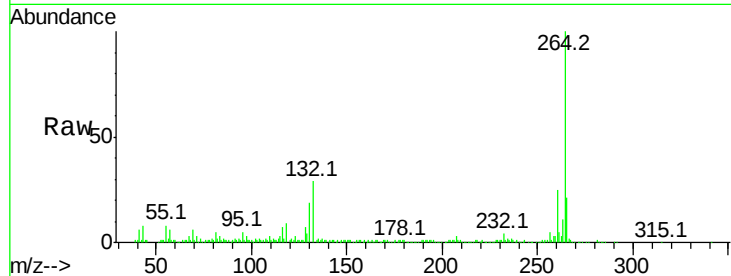
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.89 min Scan# 2228
Delta R.T. -0.08 min
Lab File: BF097372.D
Acq: 4 Aug 2017 22:55

Instrument :
BNA_F
ClientSampleId :
HARDWICK-SOIL-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.2	17.2	25.8

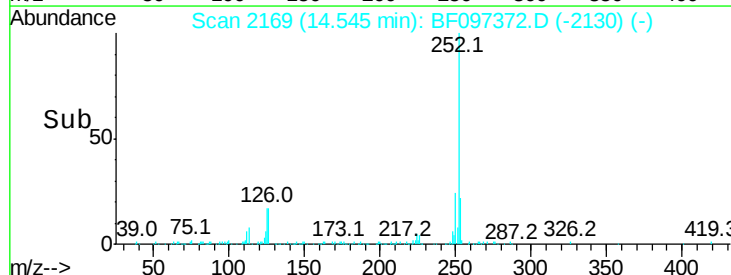
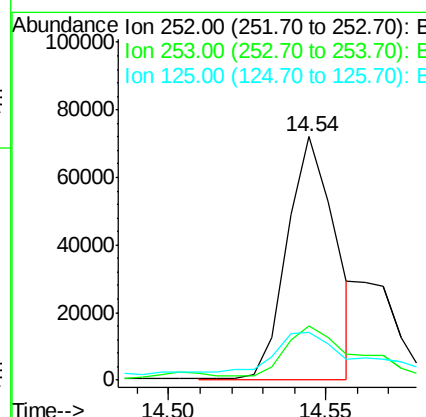
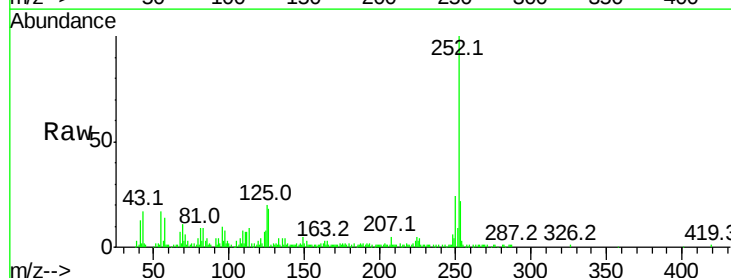
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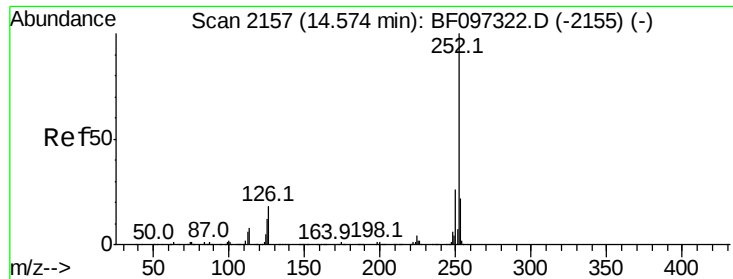
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#87
Benzo(b)fluoranthene
Concen: 7.617 ng m
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097372.D
Acq: 4 Aug 2017 22:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	19.8	9.8	14.8#





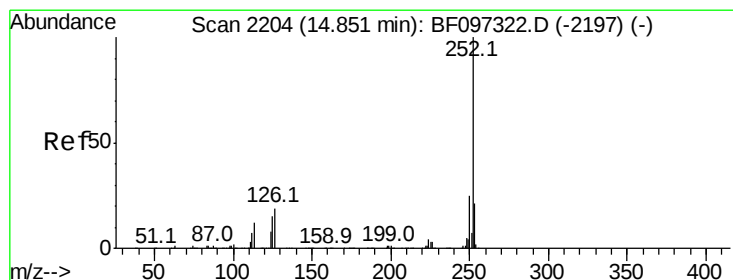
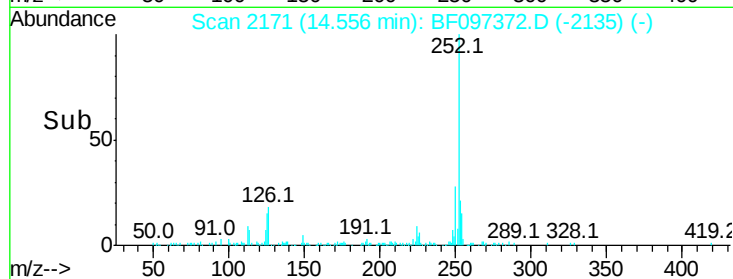
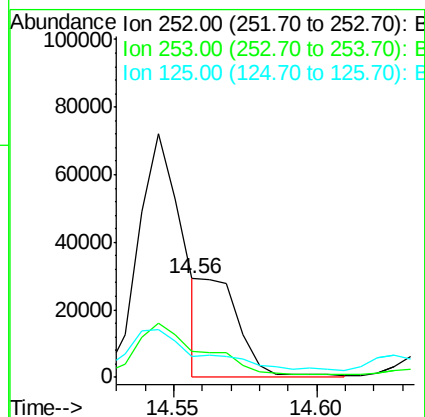
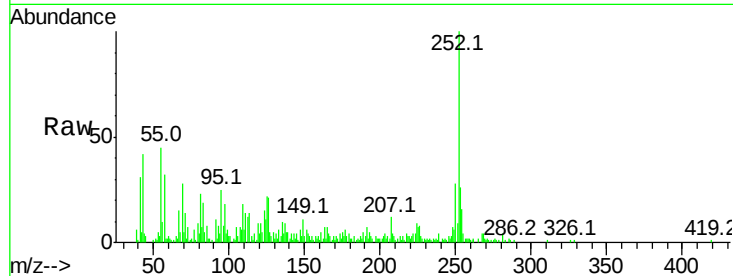
#88
Benzo(k)fluoranthene
Concen: 2.792 ng m
RT: 14.56 min Scan# 2171
Delta R.T. -0.09 min
Lab File: BF097372.D
Acq: 4 Aug 2017 22:55

Instrument :
BNA_F
ClientSampleId :
HARDWICK-SOIL-COMP

Tot Ion	Ratio	Resp	Lower	Upper
252	100	26979		
253	26.1		18.4	27.6
125	21.5		13.1	19.7

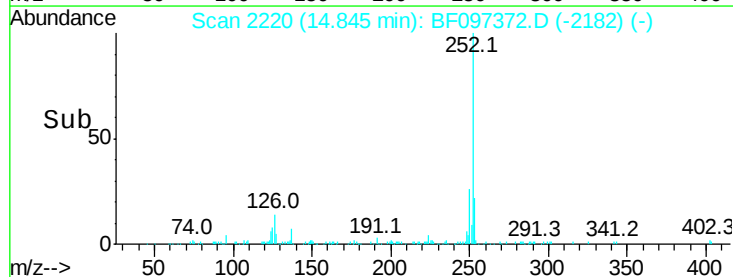
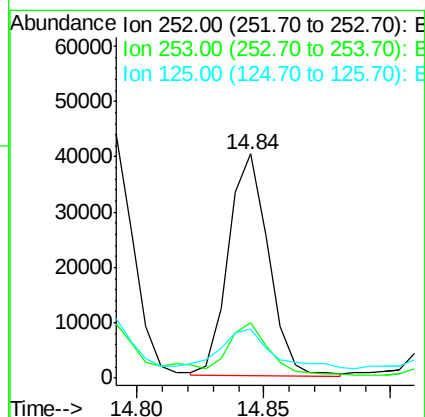
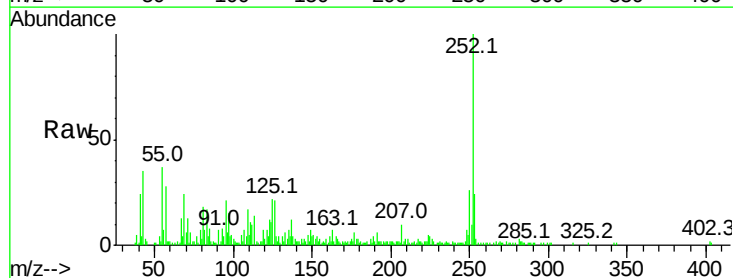
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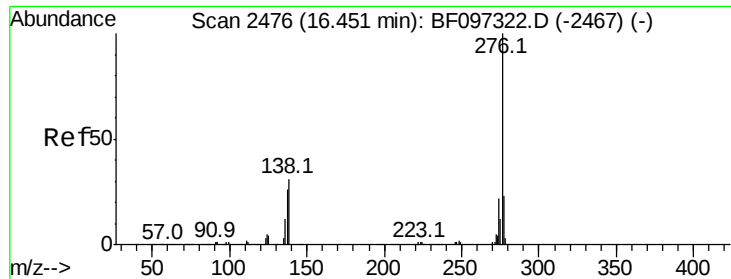
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#89
Benzo(a)pyrene
Concen: 4.736 ng
RT: 14.84 min Scan# 2220
Delta R.T. -0.08 min
Lab File: BF097372.D
Acq: 4 Aug 2017 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	43963		
253	24.5		17.5	26.3
125	22.1		11.0	16.4





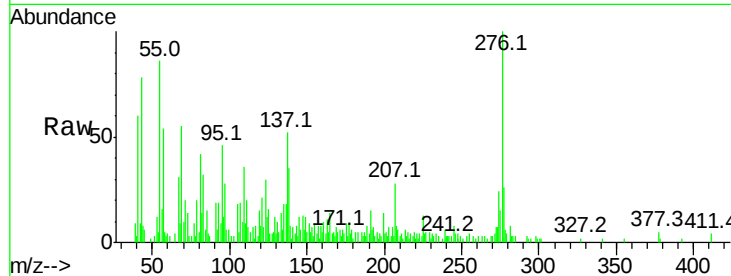
#91
 Benzo(a,h,i)perylene
 Concen: 3.952 ng
 RT: 16.46 min Scan# 2494
 Delta R.T. -0.11 min
 Lab File: BF097372.D
 Acq: 4 Aug 2017 22:55

Instrument :
 BNA_F
 ClientSampleId :
 HARDWICK-SOIL-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.6	28.0
138	35.4	25.4	38.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

