

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
 Data File : BF090044.D
 Acq On : 9 Sep 2016 00:33
 Operator : UM/SJ
 Sample : H4688-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-SOILPILES-UST16

Manual Integrations
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Sohil
 9/9/2016 8:39:21 AM

Quant Time: Sep 09 06:44:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 08 16:07:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	184479	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	764602	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	348205	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	549451	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	444770	20.00	ng	-0.01
86) Perylene-d12	15.05	264	328771	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	1268017	110.02	ng	0.01
7) Phenol-d6	6.25	99	1575511	112.50	ng	0.00
23) Nitrobenzene-d5	7.16	82	928684	70.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	337227	98.17	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	1833866	86.45	ng	0.00
78) Terphenyl-d14	12.69	244	1242113	68.99	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.37	163	941795	37.42	ng	98
70) Phenanthrene	11.12	178	56048	2.05	ng	97
74) Fluoranthene	12.30	202	105146	3.67	ng	90
77) Pyrene	12.53	202	111175	3.55	ng	99
80) Benzo(a)anthracene	13.70	228	58491	2.15	ng	# 96
87) Benzo(b)fluoranthene	14.70	252	48373m	2.35	ng	#
89) Benzo(a)pyrene	15.01	252	35726	2.02	ng	# 88

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

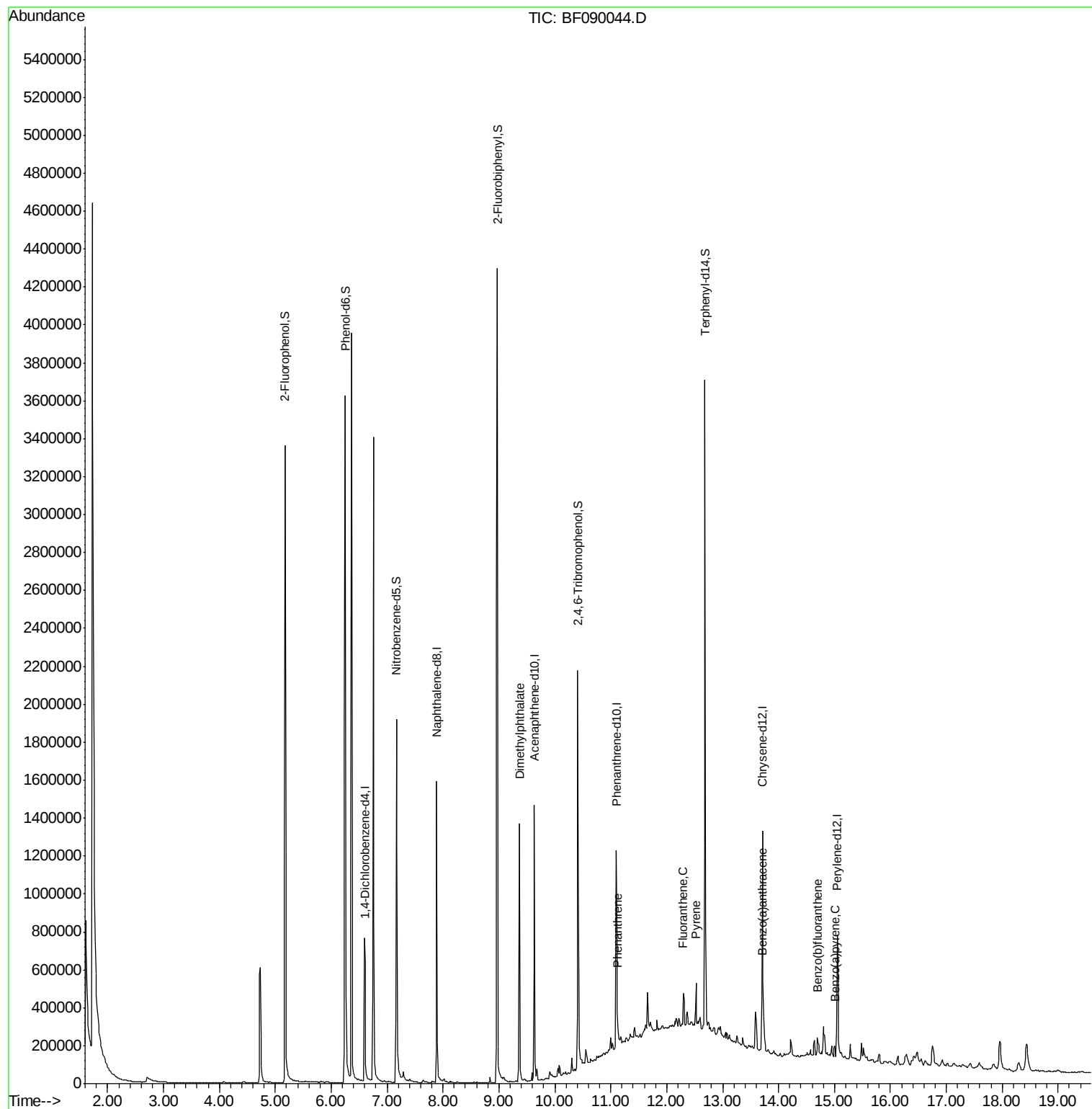
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090044.D
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Sample : H4688-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

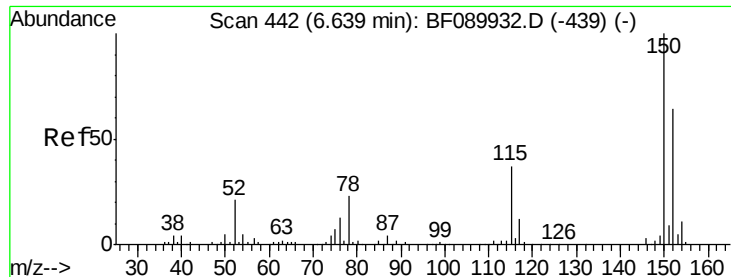
Instrument :
BNA_F
ClientSampleId :
SS-SOILPILES-UST16

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#1

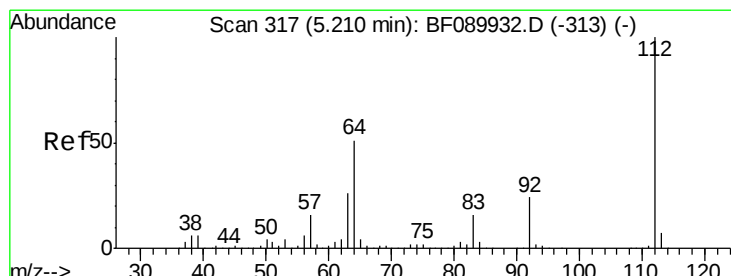
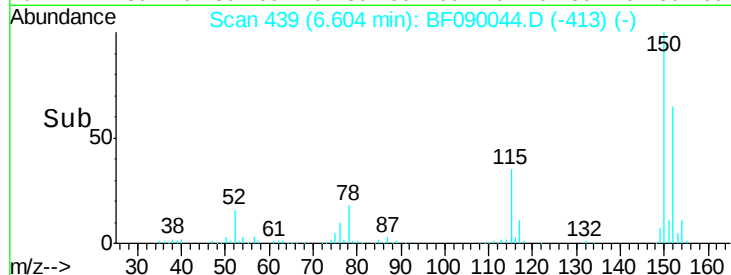
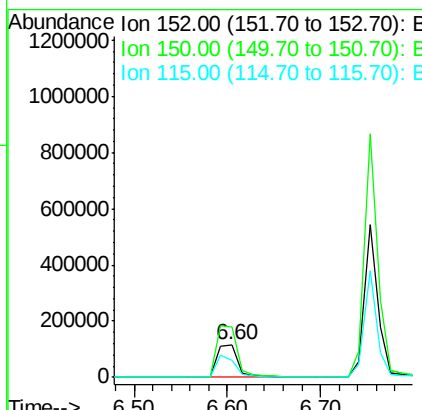
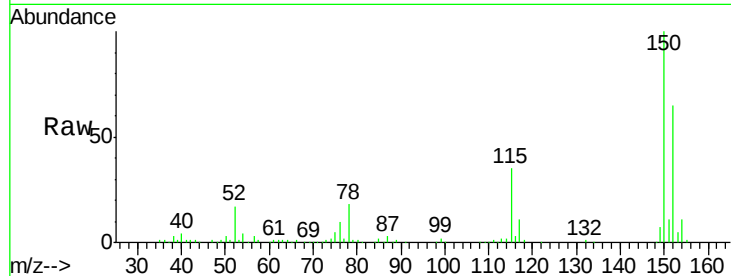
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF090044.D
Acq: 9 Sep 2016 00:33

Instrument :
BNA_F
ClientSampleId :
SS-SOILPILES-UST16

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.4	127.4	191.2
115	53.0	46.3	69.5

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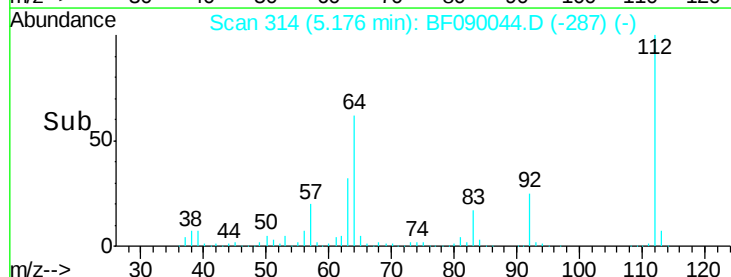
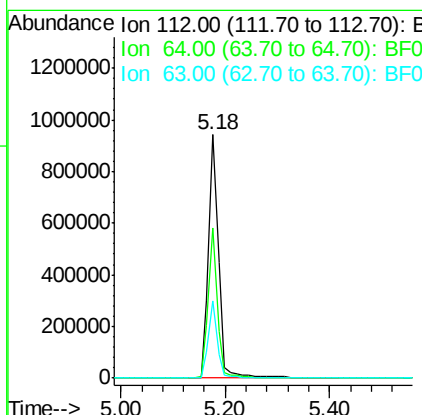
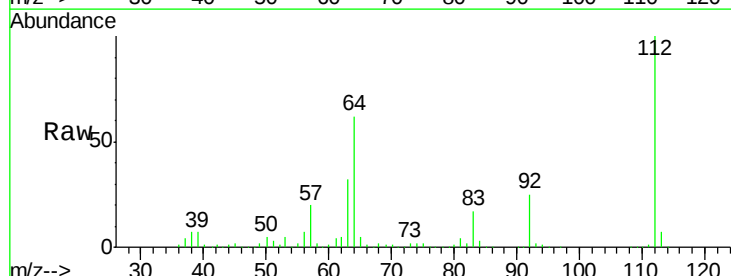
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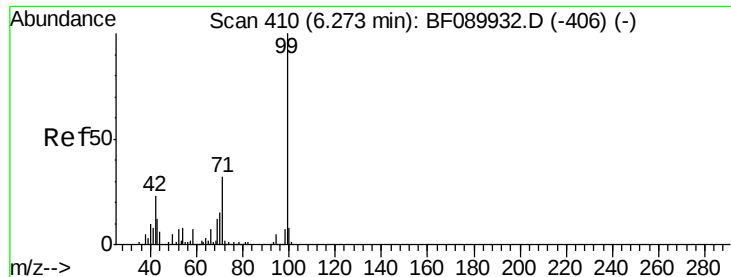


#5

2-Fluorophenol
Concen: 110.02 ng
RT: 5.18 min Scan# 314
Delta R.T. 0.01 min
Lab File: BF090044.D
Acq: 9 Sep 2016 00:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	41.1	61.7#
63	31.7	21.2	31.8





#7

Phenol-d6

Concen: 112.50 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF090044.D

Acq: 9 Sep 2016 00:33

Instrument :

BNA_F

ClientSampleId :

SS-SOILPILES-UST16

Tgt Ion: 99 Resp: 1575511

Ion Ratio Lower Upper

99 100

42 22.4 18.6 27.8

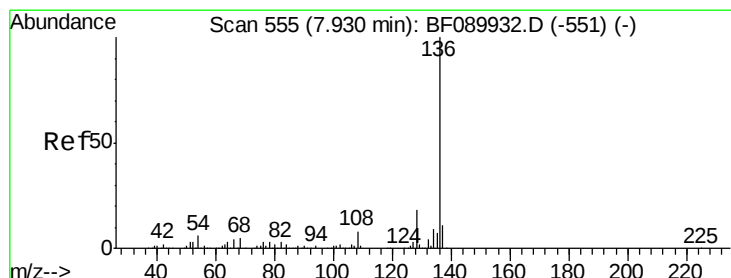
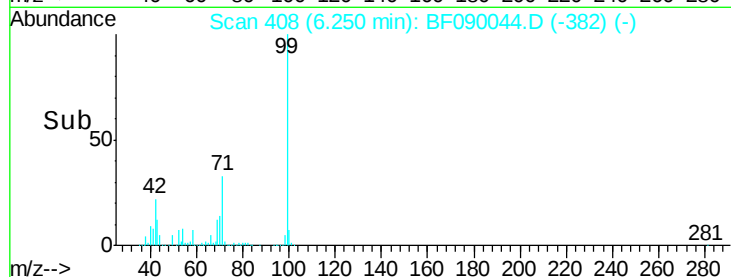
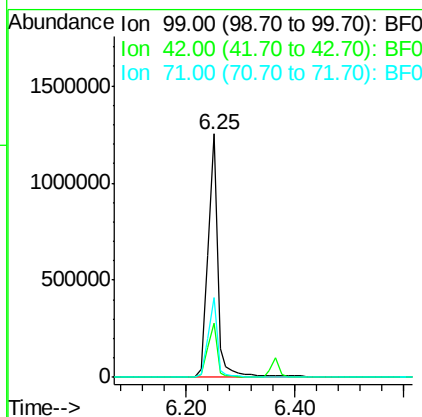
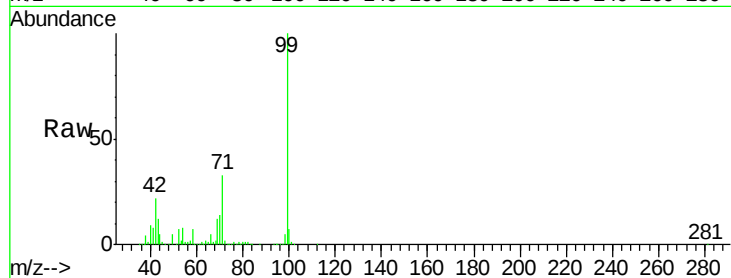
71 32.7 25.8 38.6

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF090044.D

Acq: 9 Sep 2016 00:33

Tgt Ion: 136 Resp: 764602

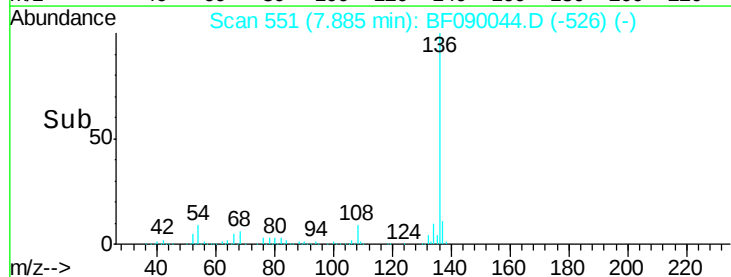
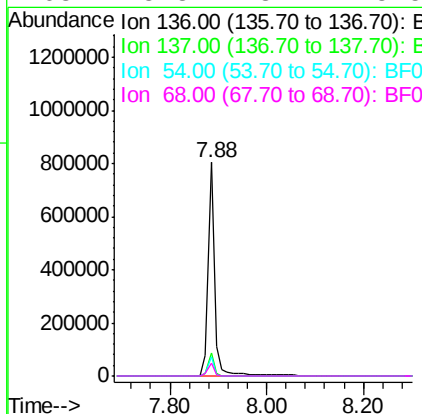
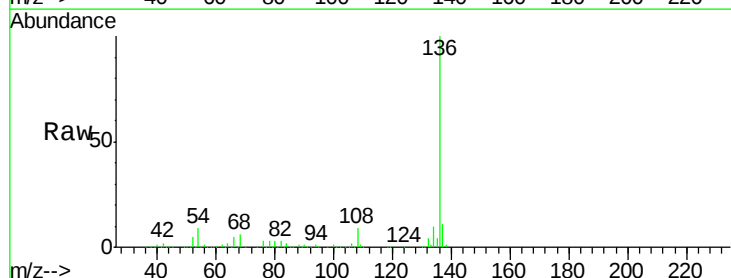
Ion Ratio Lower Upper

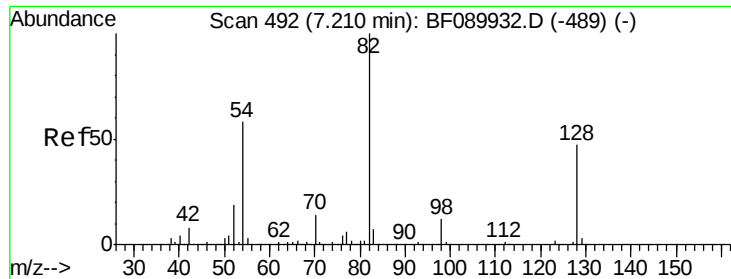
136 100

137 10.9 8.3 12.5

54 8.8 4.8 7.2#

68 5.8 3.7 5.5#





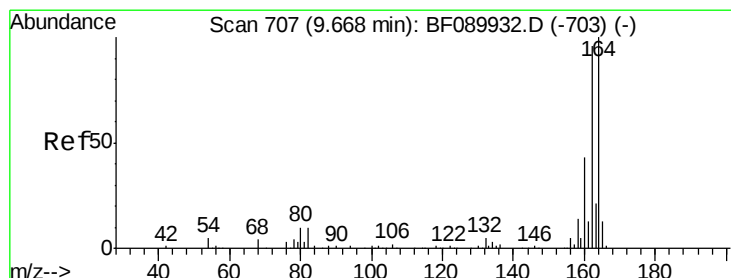
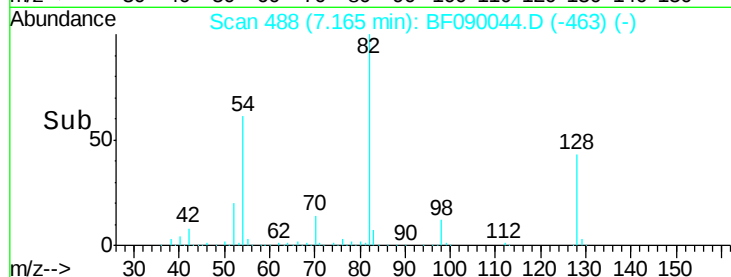
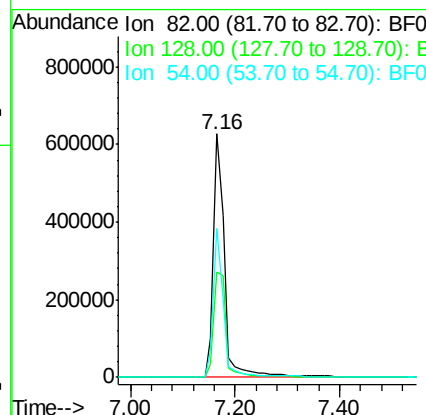
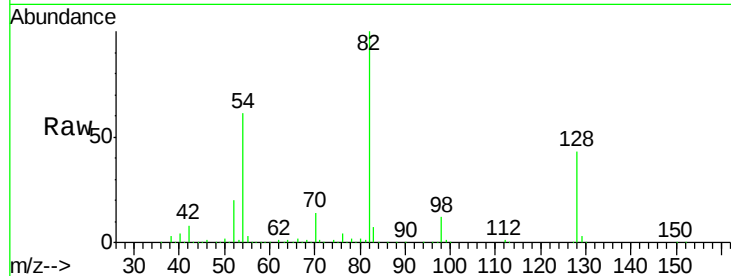
#23
 Nitrobenzene-d5
 Concen: 70.44 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF090044.D
 Acq: 9 Sep 2016 00:33

Instrument :
 BNA_F
 ClientSampleId :
 SS-SOILPILES-UST16

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.5	37.8	56.8
54	61.1	46.9	70.3

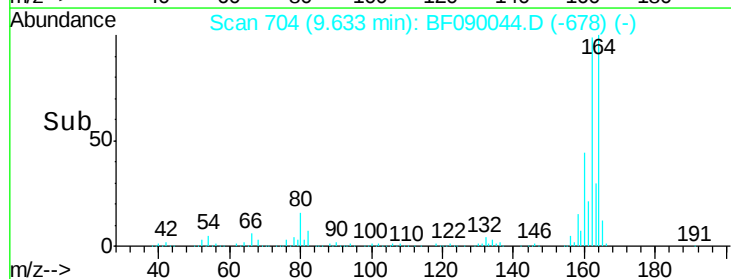
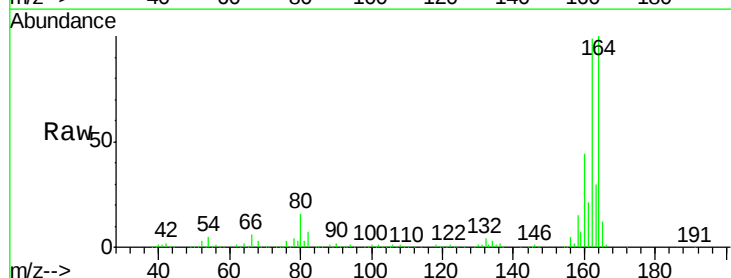
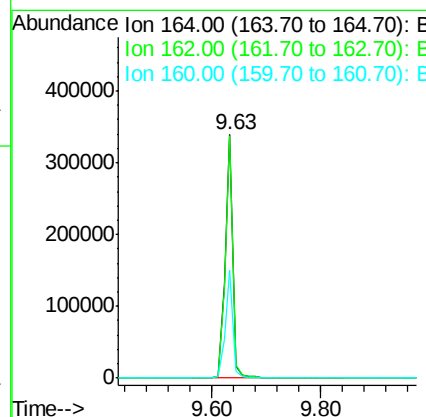
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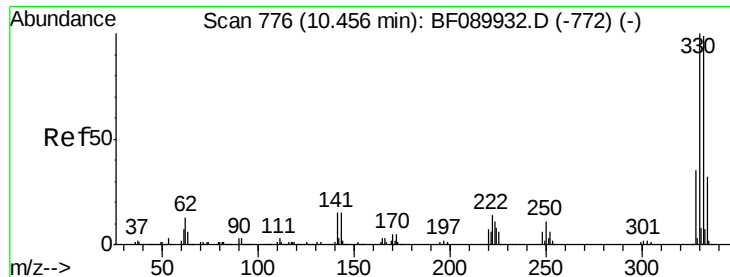
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: BF090044.D
 Acq: 9 Sep 2016 00:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	77.1	115.7
160	44.3	35.3	52.9





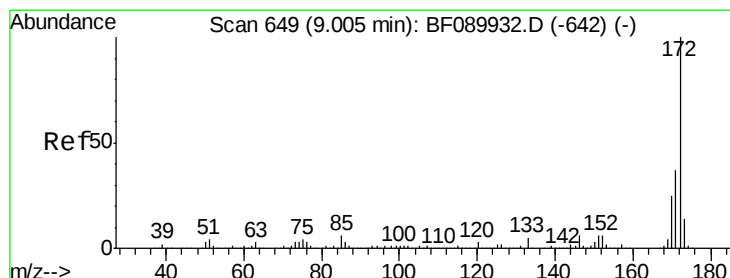
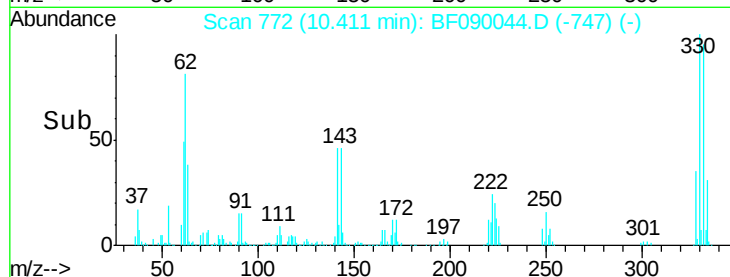
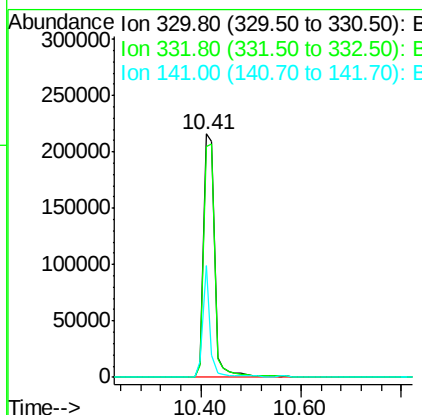
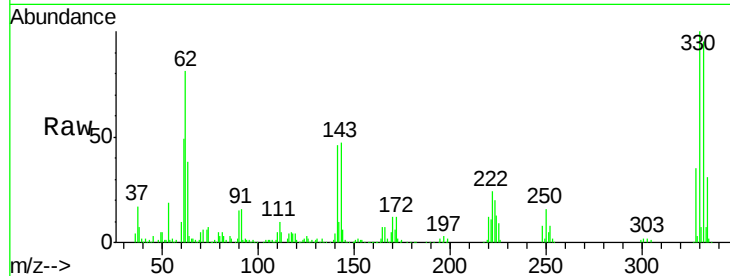
#41
 2,4,6-Tribromophenol
 Concen: 98.17 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: BF090044.D
 Acq: 9 Sep 2016 00:33

Instrument :
 BNA_F
 ClientSampleId :
 SS-SOILPILES-UST16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	337227		
332	96.9	78.6	117.8	
141	30.5	23.3	34.9	

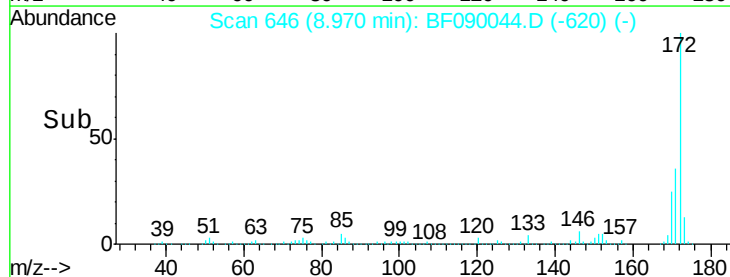
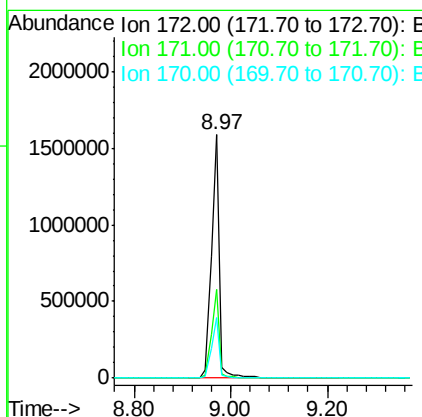
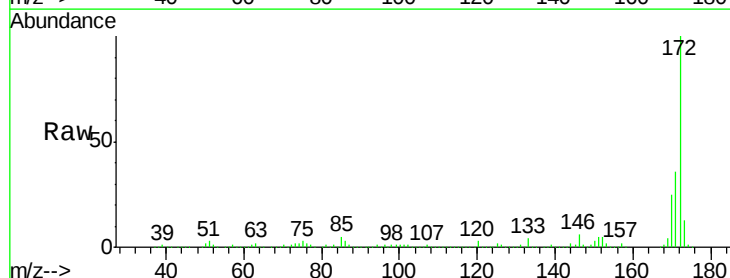
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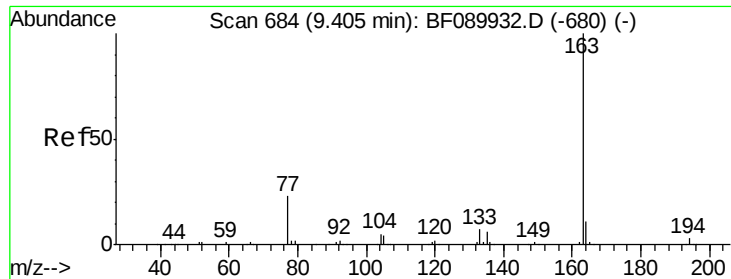
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#44
 2-Fluorobiphenyl
 Concen: 86.45 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF090044.D
 Acq: 9 Sep 2016 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1833866		
171	36.3	29.4	44.2	
170	24.8	20.1	30.1	





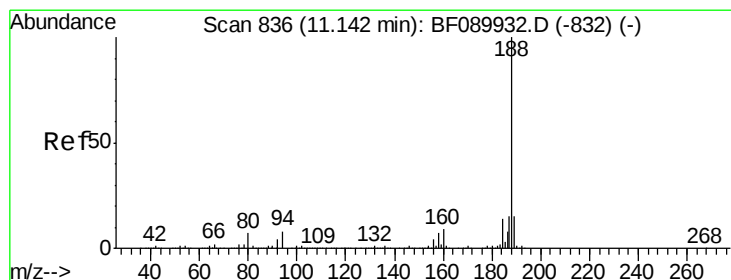
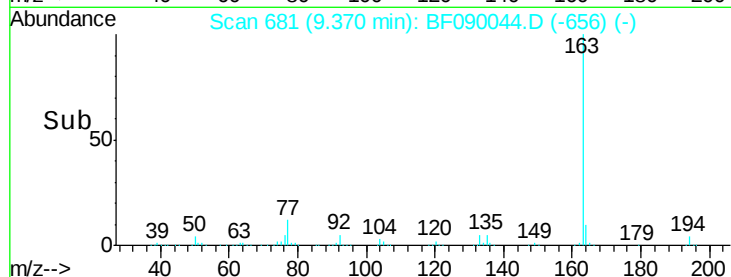
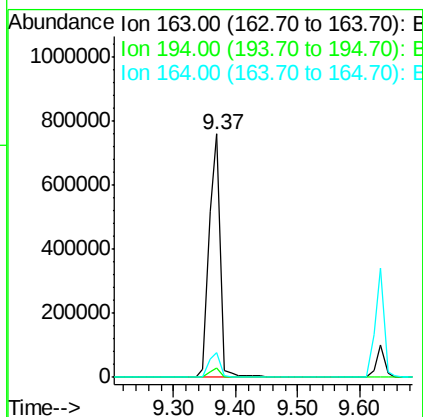
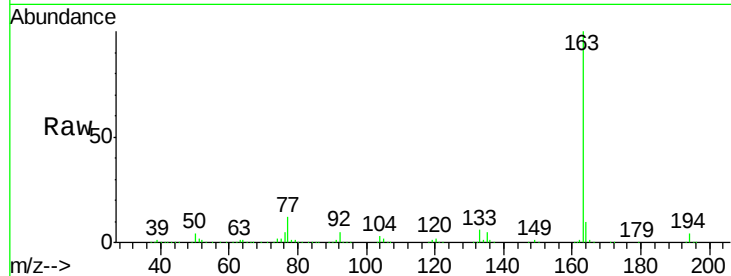
#49
Dimethylphthalate
Concen: 37.42 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF090044.D
Acq: 9 Sep 2016 00:33

Instrument :
BNA_F
ClientSampleId :
SS-SOILPILES-UST16

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	941795		
194	4.0	2.7	4.1	
164	10.3	9.0	13.4	

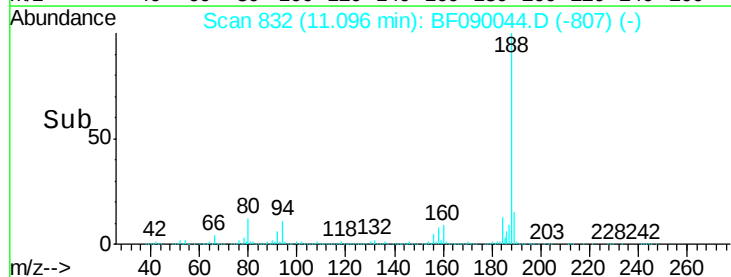
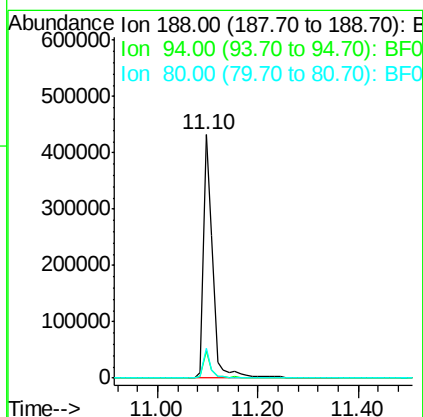
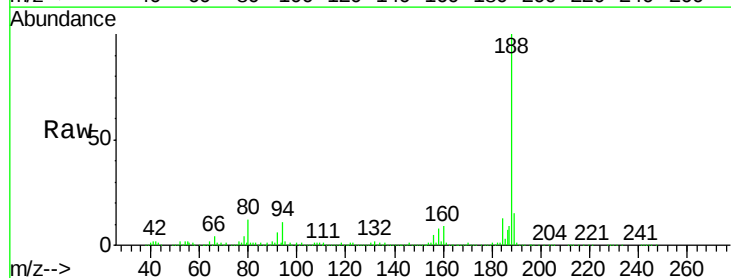
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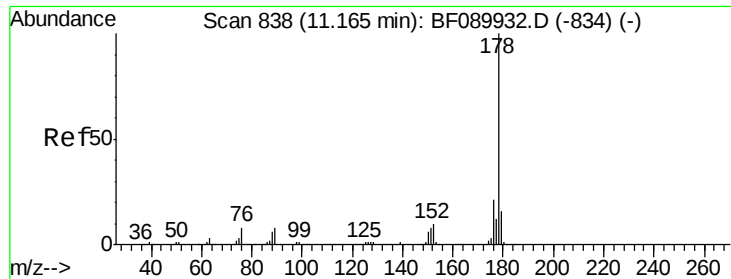
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF090044.D
Acq: 9 Sep 2016 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	549451		
94	11.0	5.9	8.9#	
80	12.0	5.8	8.8#	





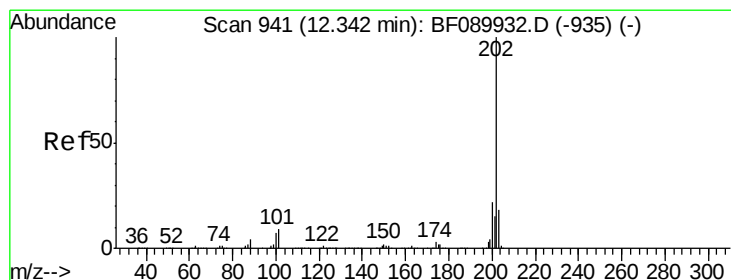
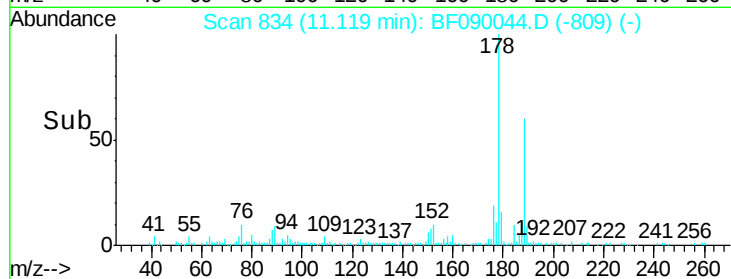
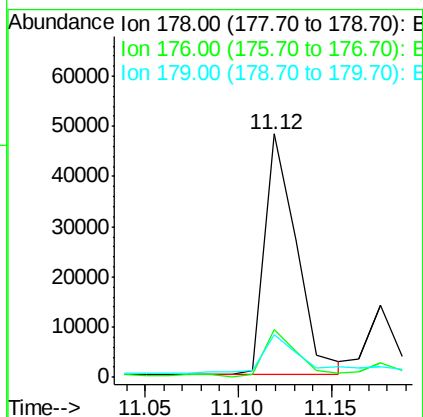
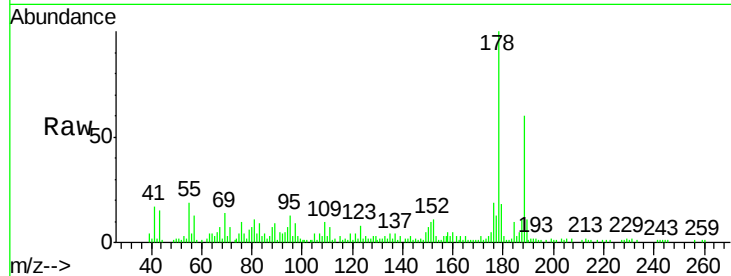
#70
Phenanthrene
Concen: 2.05 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF090044.D
Acq: 9 Sep 2016 00:33

Instrument :
BNA_F
ClientSampleId :
SS-SOILPILES-UST16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.5	24.7
179	17.5	12.8	19.2

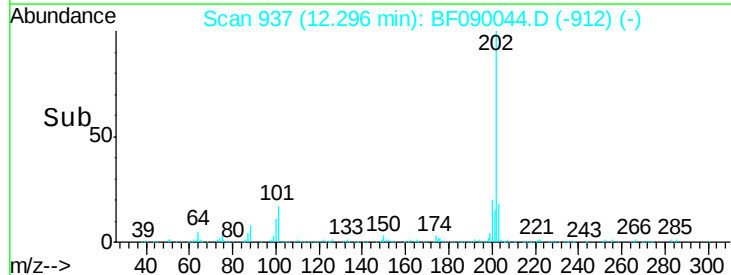
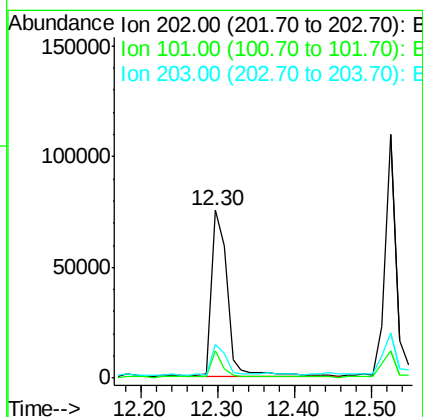
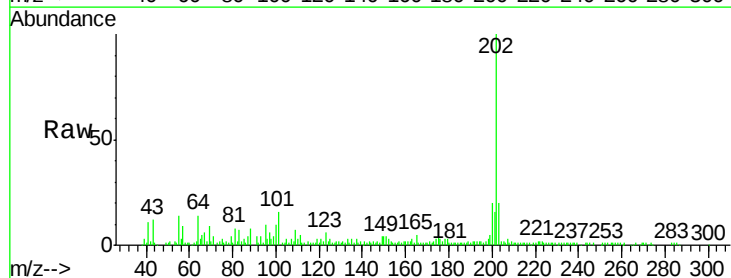
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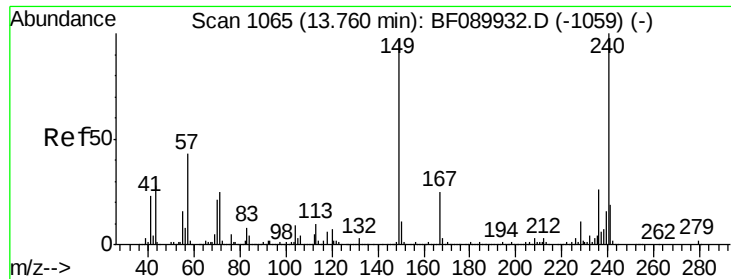
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#74
Fluoranthene
Concen: 3.67 ng
RT: 12.30 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF090044.D
Acq: 9 Sep 2016 00:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.4	0.0	28.5
203	19.7	0.0	38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF090044.D

Acq: 9 Sep 2016 00:33

Instrument :

BNA_F

ClientSampleId :

SS-SOILPILES-UST16

Tgt Ion:240 Resp: 444770

Ion Ratio Lower Upper

240 100

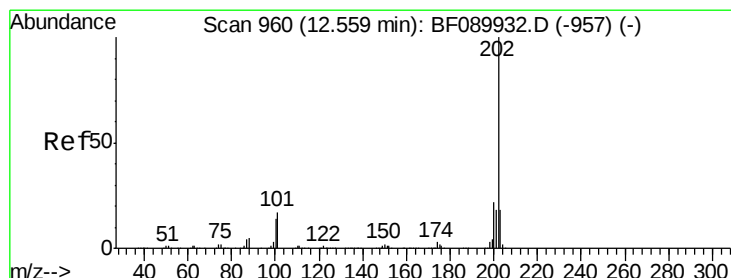
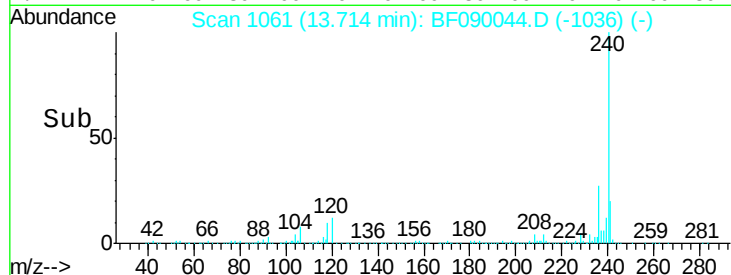
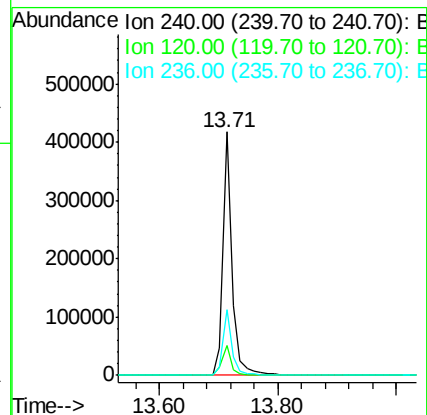
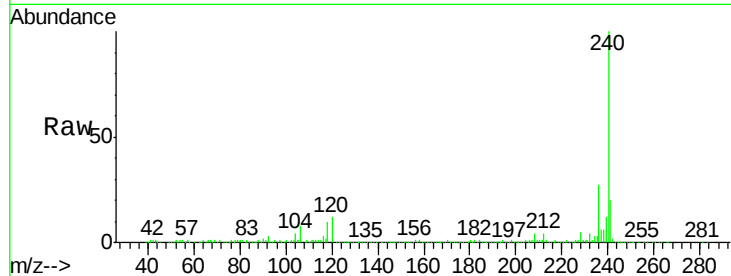
120 12.2 5.7 8.5#

236 26.8 21.3 31.9

Manual Integrations
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#77

Pyrene

Concen: 3.55 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF090044.D

Acq: 9 Sep 2016 00:33

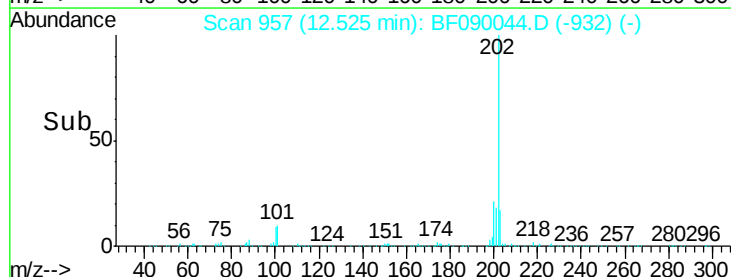
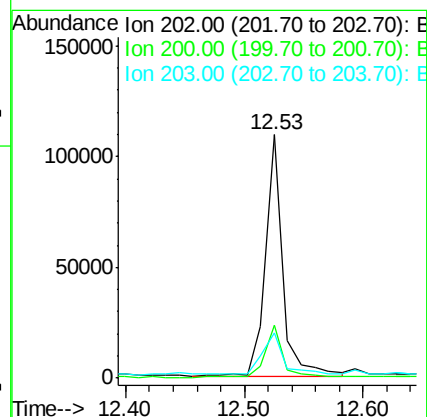
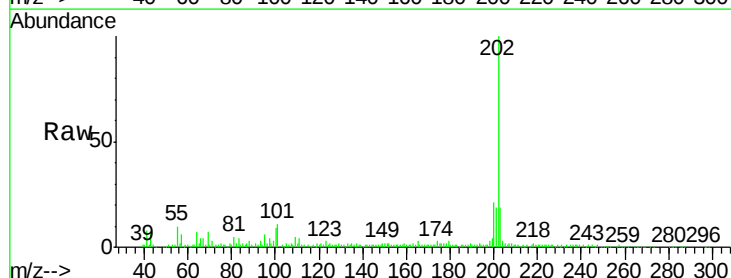
Tgt Ion:202 Resp: 111175

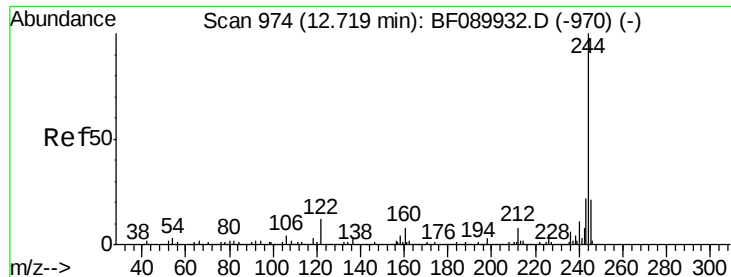
Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

203 18.7 14.6 21.8





#78

Terphenyl-d14

Concen: 68.99 ng

RT: 12.69 min Scan# 971

Delta R.T. 0.00 min

Lab File: BF090044.D

Acq: 9 Sep 2016 00:33

Instrument :

BNA_F

ClientSampleId :

SS-SOILPILES-UST16

Tgt Ion:244 Resp: 1242113

Ion Ratio Lower Upper

244 100

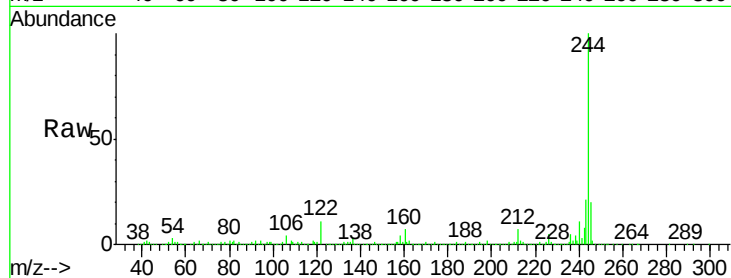
212 7.5 6.1 9.1

122 11.4 9.6 14.4

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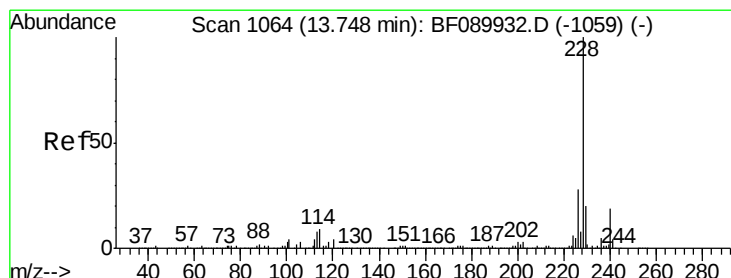
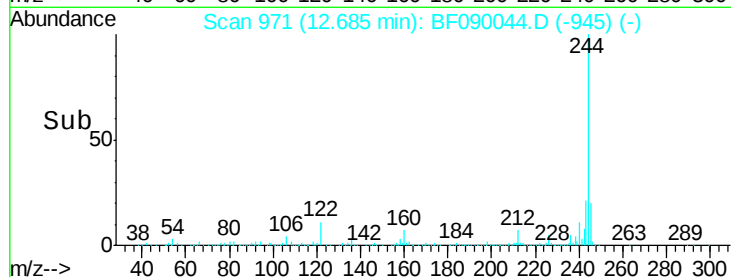
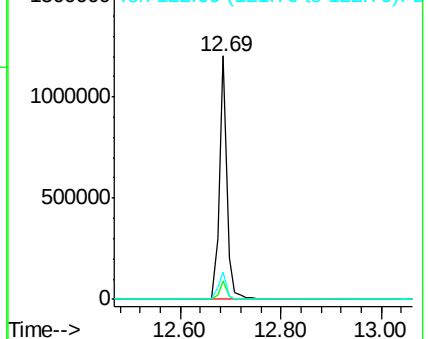
9/9/2016 8:39:21 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.15 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF090044.D

Acq: 9 Sep 2016 00:33

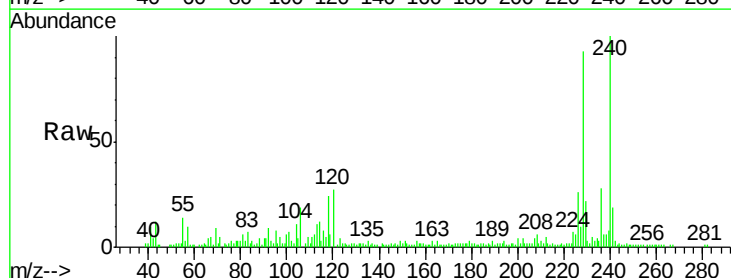
Tgt Ion:228 Resp: 58491

Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.2

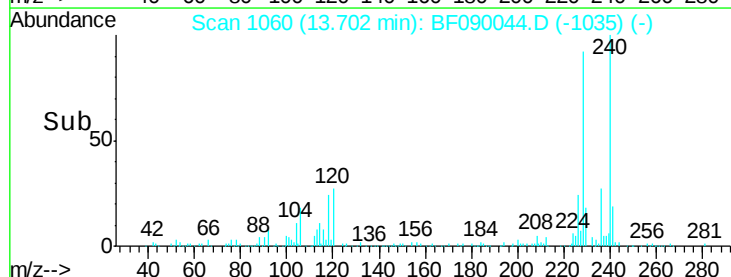
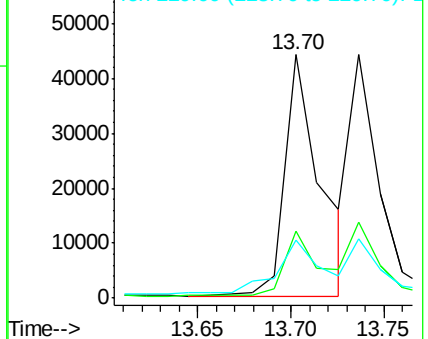
229 23.7 15.8 23.6#

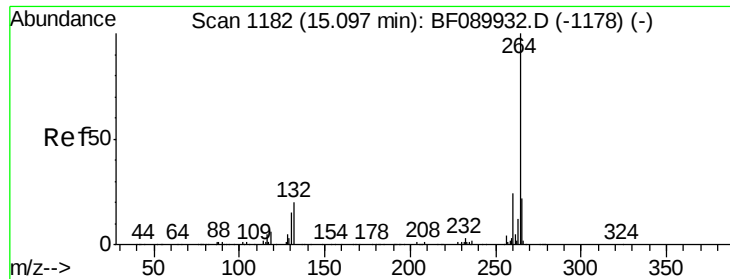


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





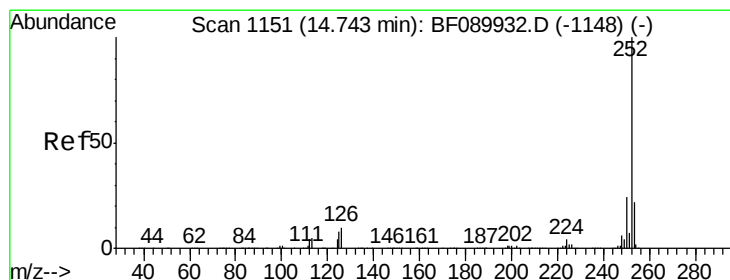
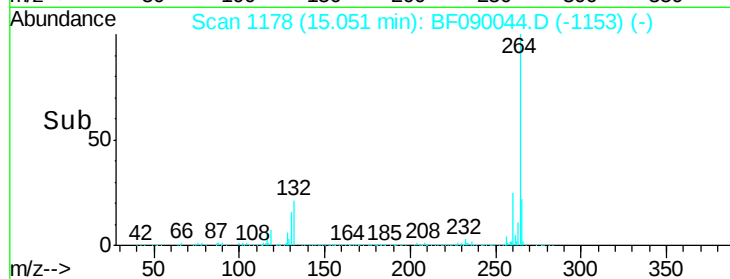
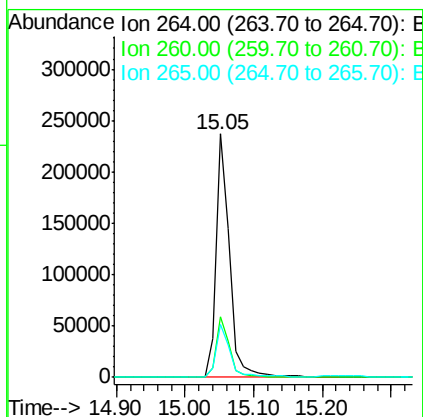
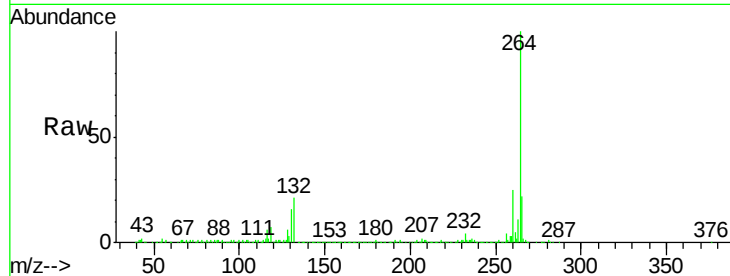
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF090044.D
Acq: 9 Sep 2016 00:33

Instrument :
BNA_F
ClientSampleId :
SS-SOILPILES-UST16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.0
265	21.9	17.4	26.2

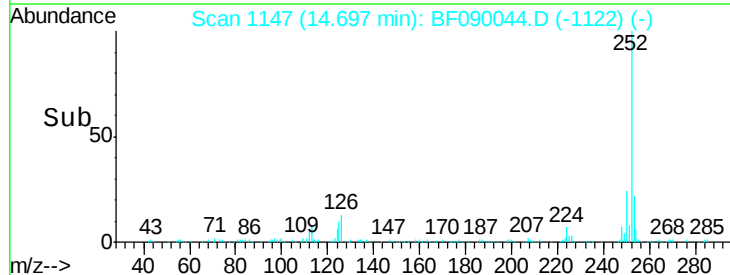
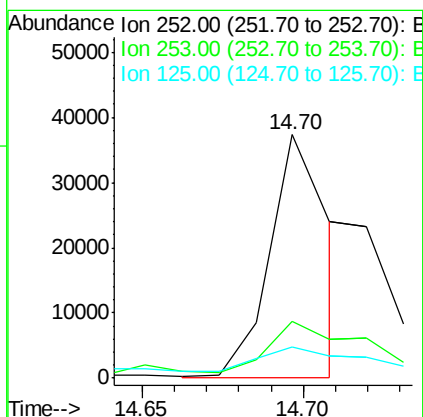
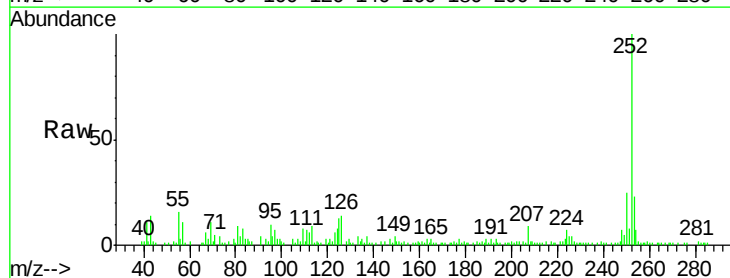
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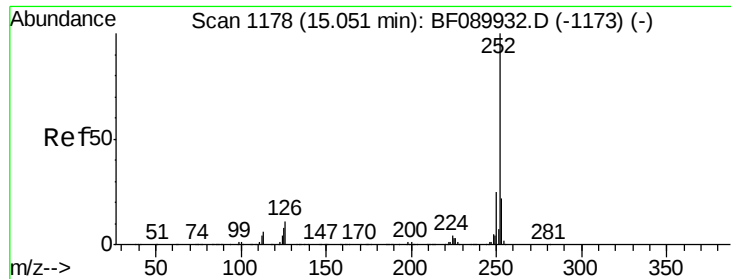
Sohil
9/9/2016 8:39:21 AM



#87
Benzo(b)fluoranthene
Concen: 2.35 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF090044.D
Acq: 9 Sep 2016 00:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.7	5.7	8.5#





#89
Benzo(a)pyrene
Concen: 2.02 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF090044.D
Acq: 9 Sep 2016 00:33

Instrument :
BNA_F
ClientSampleId :
SS-SOILPILES-UST16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.5	26.3#
125	12.4	6.3	9.5#

Manual Integrations
APPROVED

Sohil
9/9/2016 8:39:21 AM

