

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083116\
 Data File : BF089960.D
 Acq On : 31 Aug 2016 19:49
 Operator : UM/SJ
 Sample : H4635-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 16FT-SOIL

Manual Integrations
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SOHIL
 9/1/2016 11:54:31 AM

Quant Time: Sep 01 03:12:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 11:55:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	178734	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	681424	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	319001	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	488510	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	411055	20.00	ng	-0.01
86) Perylene-d12	15.10	264	427969	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1487566	133.22	ng	0.01
7) Phenol-d6	6.28	99	1947526	143.54	ng	0.01
23) Nitrobenzene-d5	7.20	82	1116558	95.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	343506	109.15	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	2017359	103.81	ng	0.00
78) Terphenyl-d14	12.72	244	1298531	78.04	ng	0.00

Target Compounds						Qvalue
20) 3+4-Methylphenols	7.05	107	30069	2.56	ng	# 66
31) Naphthalene	7.94	128	191697	5.65	ng	98
49) Dimethylphthalate	9.39	163	577979	25.07	ng	100
51) Acenaphthene	9.69	154	223288	11.73	ng	98
57) Fluorene	10.20	166	135055	7.25	ng	99
70) Phenanthrene	11.15	178	630736	25.93	ng	98
71) Anthracene	11.21	178	261937	10.62	ng	97
74) Fluoranthene	12.33	202	561789	22.04	ng	94
77) Pyrene	12.56	202	648730	22.38	ng	99
80) Benzo(a)anthracene	13.74	228	264882m	10.52	ng	
82) Chrysene	13.77	228	194059	8.25	ng	97
85) Indeno(1,2,3-cd)pyrene	16.31	276	101345	5.83	ng	97
87) Benzo(b)fluoranthene	14.73	252	231437m	8.63	ng	
88) Benzo(k)fluoranthene	14.74	252	101179m	4.45	ng	
89) Benzo(a)pyrene	15.04	252	210109	9.15	ng	# 96
91) Benzo(g,h,i)perylene	16.67	276	96479	5.69	ng	# 94

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

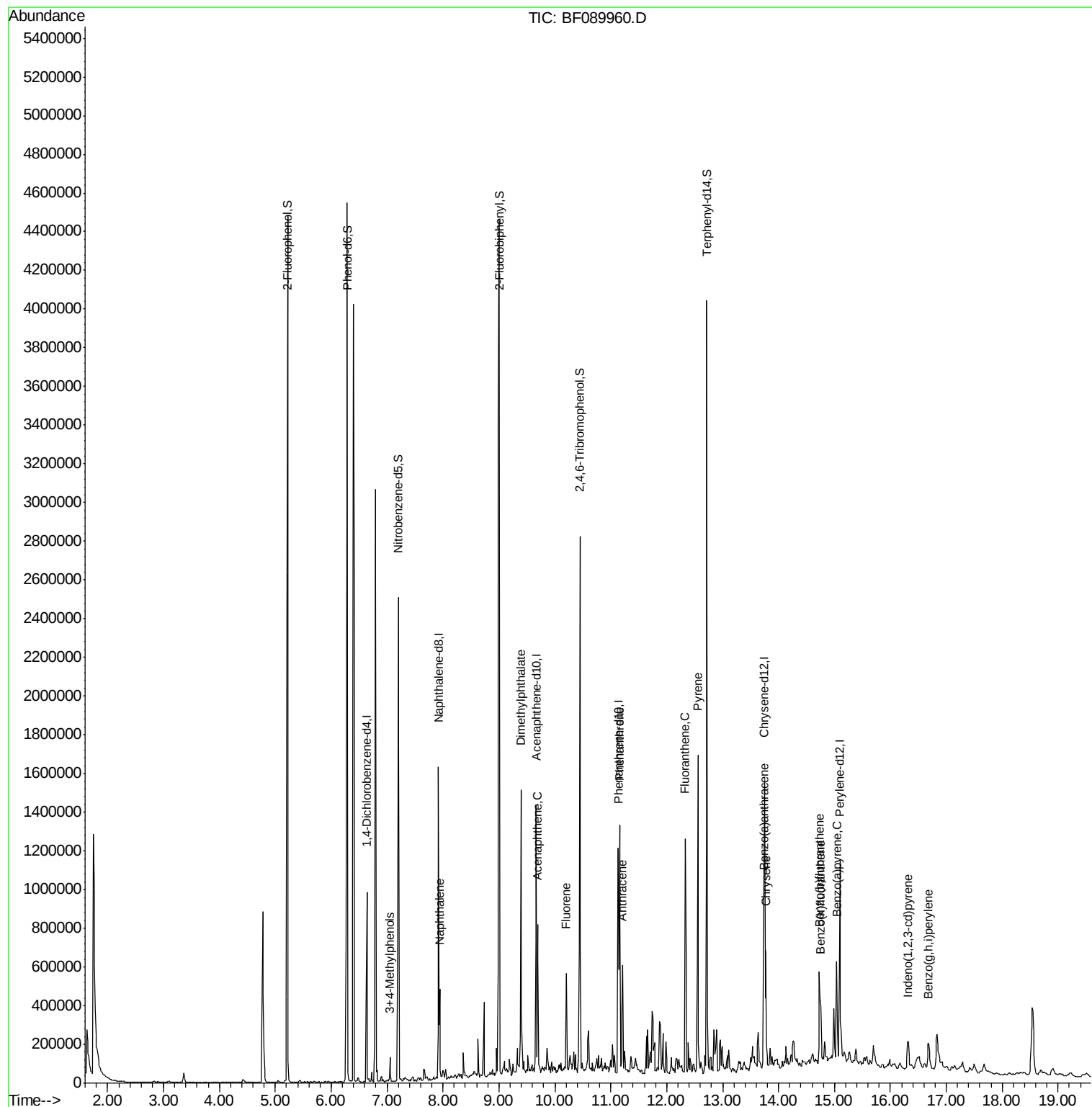
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083116\
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ALS Vial : 25 Sample Multiplier: 1

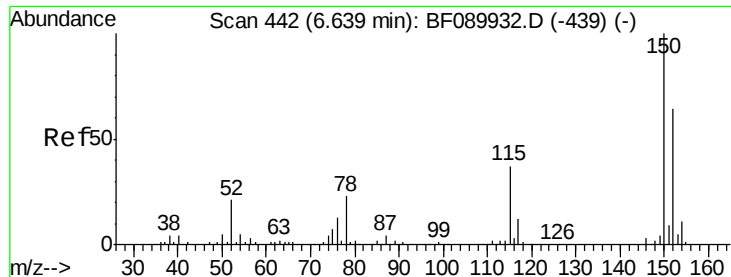
Instrument :
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16FT-SOIL

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Quant Time: Sep 01 03:12:04 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 31 11:55:18 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Instrument :

BNA_F

ClientSampleId :

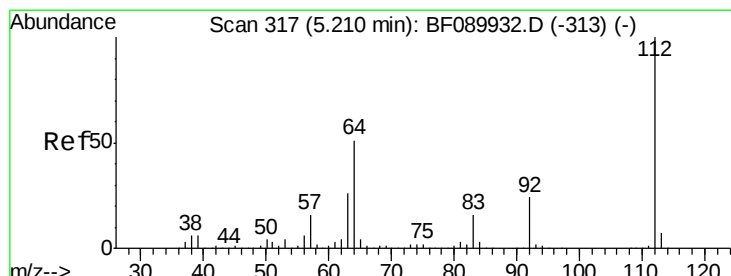
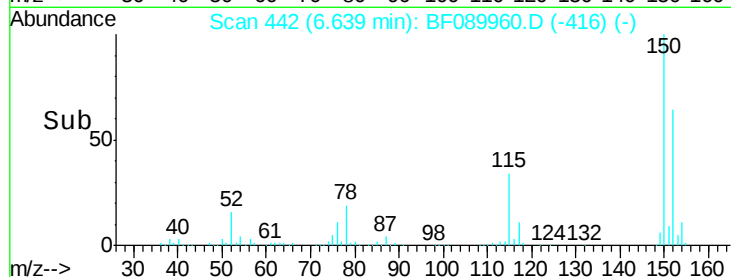
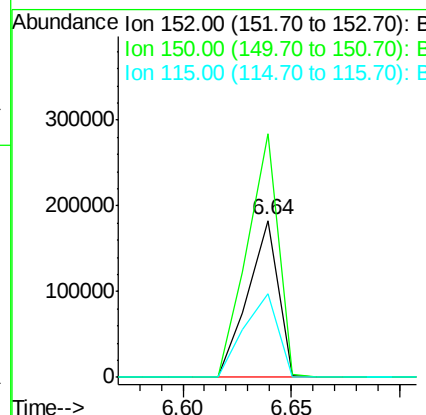
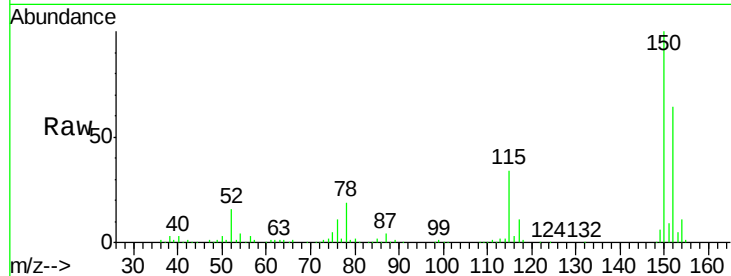
16FT-SOIL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.5	127.4	191.2
115	53.1	46.3	69.5

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#5

2-Fluorophenol

Concen: 133.22 ng

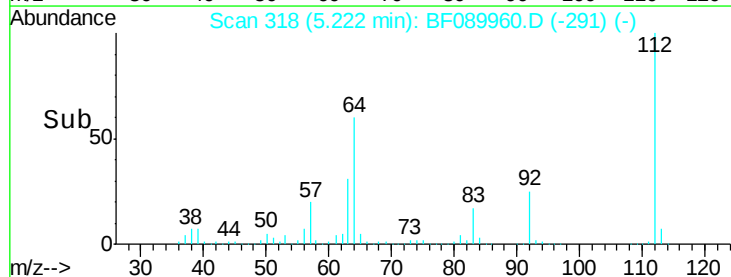
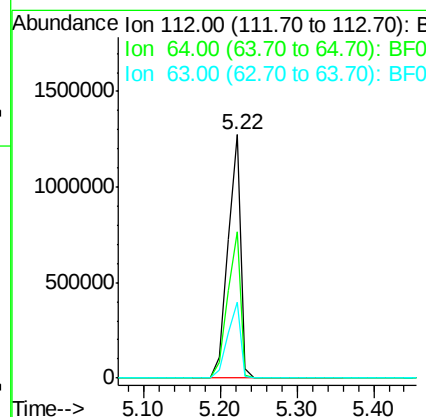
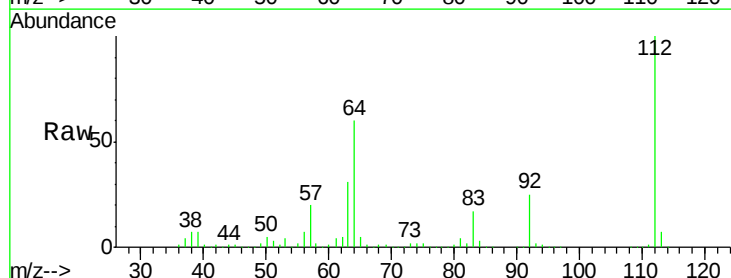
RT: 5.22 min Scan# 318

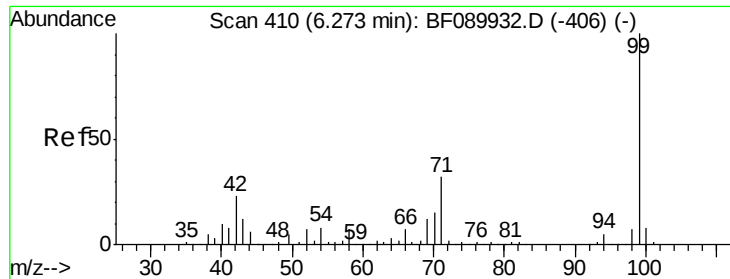
Delta R.T. 0.01 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	41.1	61.7
63	31.1	21.2	31.8





#7

Phenol-d6

Concen: 143.54 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Instrument :

BNA_F

ClientSampleId :

16FT-SOIL

Tgt Ion: 99 Resp: 1947526

Ion Ratio Lower Upper

99 100

42 21.9 18.6 27.8

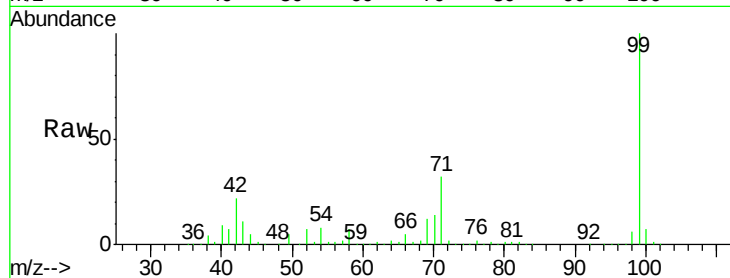
71 31.9 25.8 38.6

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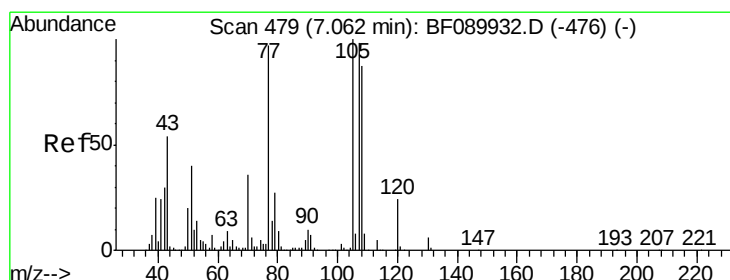
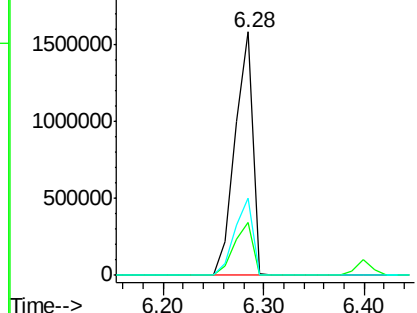
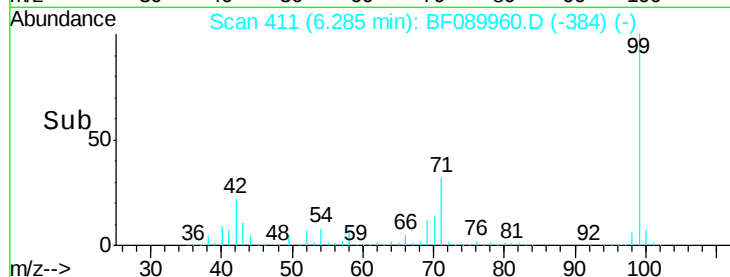
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#20

3+4-Methylphenols

Concen: 2.56 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Tgt Ion: 107 Resp: 30069

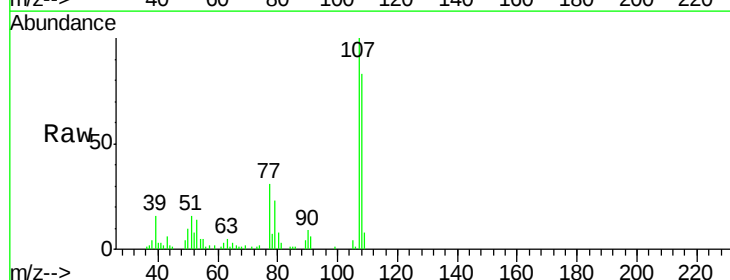
Ion Ratio Lower Upper

107 100

108 83.0 70.2 110.2

77 30.8 75.7 115.7#

79 23.0 7.0 47.0

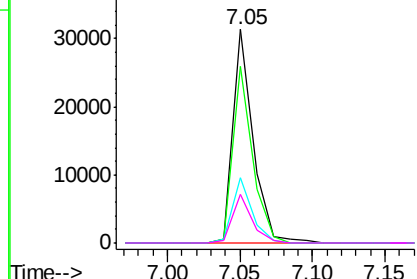
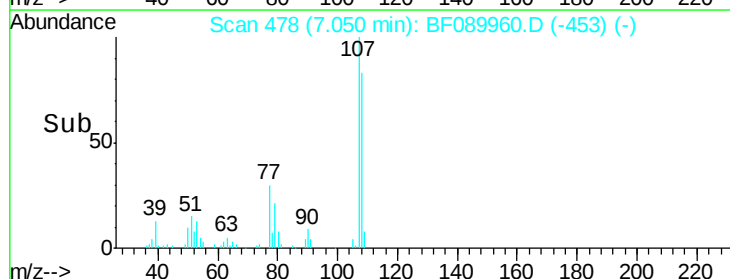


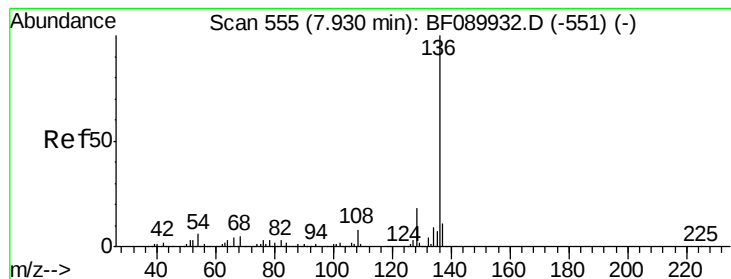
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





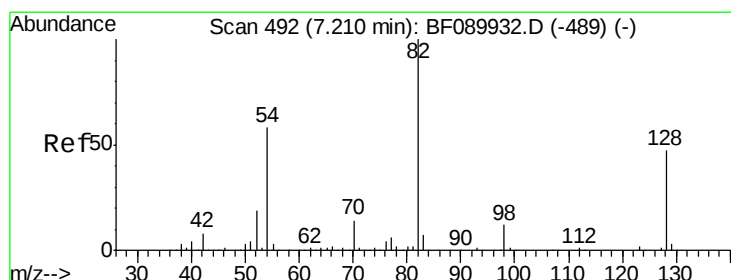
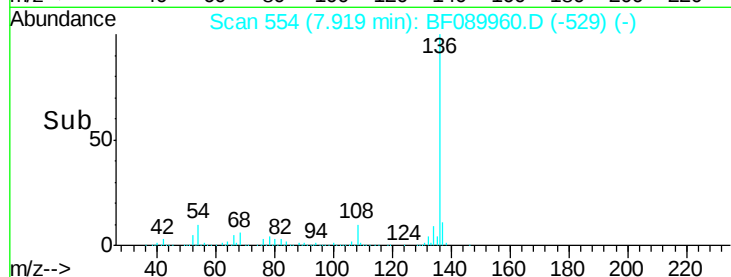
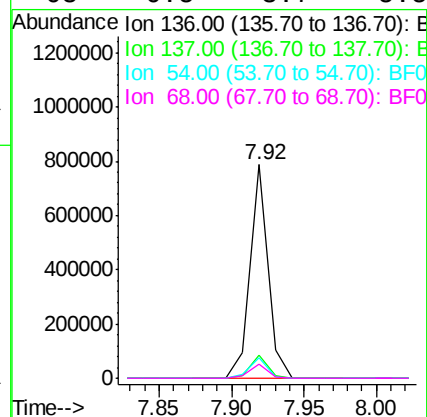
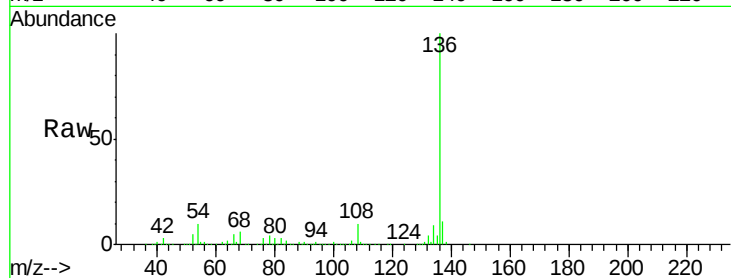
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF089960.D
Acq: 31 Aug 2016 19:49

Instrument :
BNA_F
ClientSampleId :
16FT-SOIL

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	681424		
137	11.0	8.3	12.5	
54	9.8	4.8	7.2#	
68	6.5	3.7	5.5#	

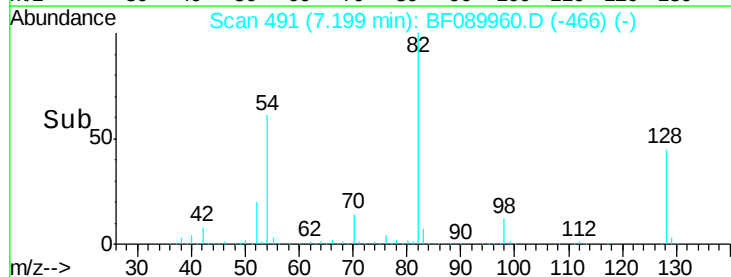
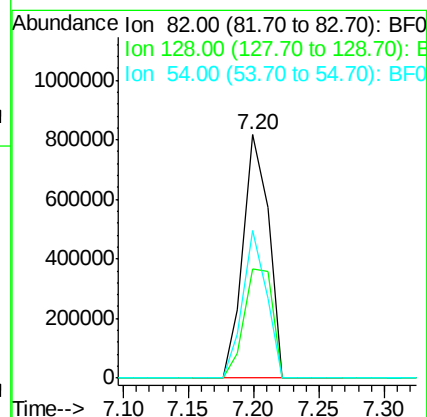
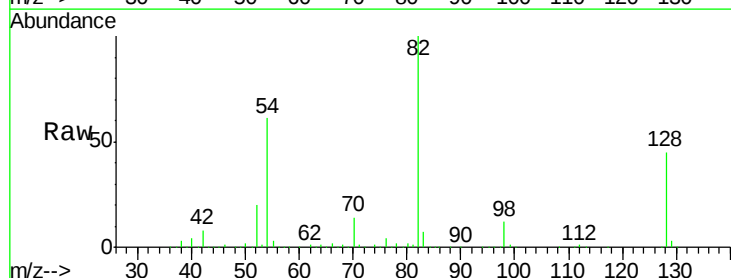
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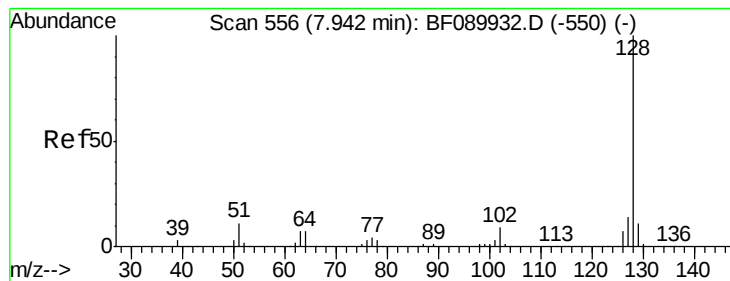
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#23
Nitrobenzene-d5
Concen: 95.03 ng
RT: 7.20 min Scan# 491
Delta R.T. -0.01 min
Lab File: BF089960.D
Acq: 31 Aug 2016 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1116558		
128	44.6	37.8	56.8	
54	60.7	46.9	70.3	





#31

Naphthalene

Concen: 5.65 ng

RT: 7.94 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Instrument :

BNA_F

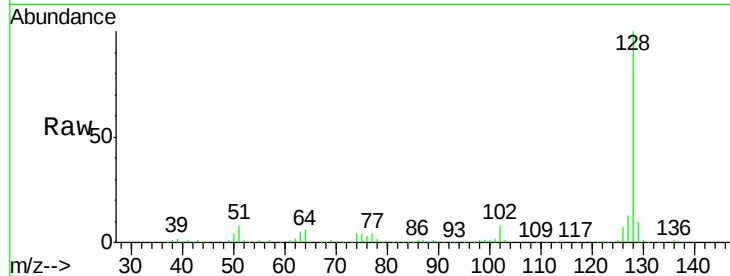
ClientSampleId :

16FT-SOIL

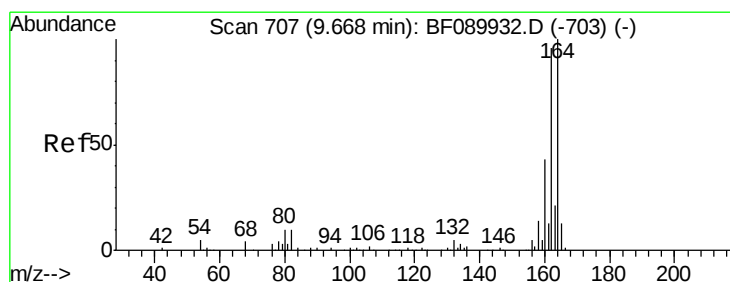
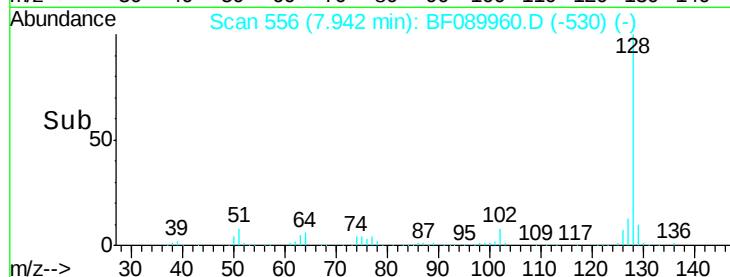
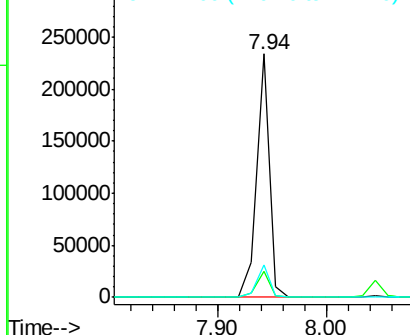
Tgt Ion:	128	Resp:	191697
Ion Ratio		Lower	Upper
128	100		
129	10.5	9.4	14.0
127	13.1	10.7	16.1

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

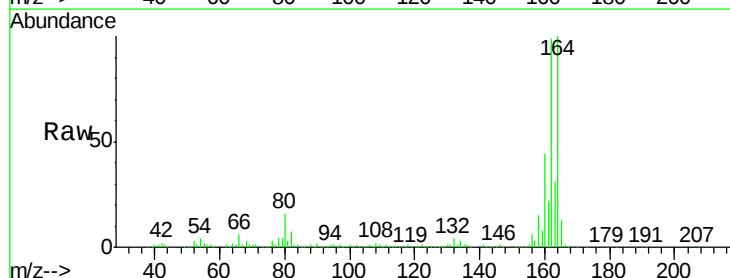
RT: 9.67 min Scan# 707

Delta R.T. 0.00 min

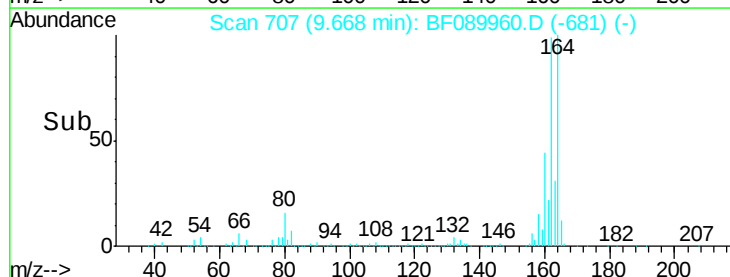
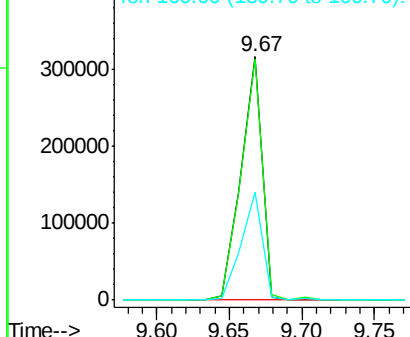
Lab File: BF089960.D

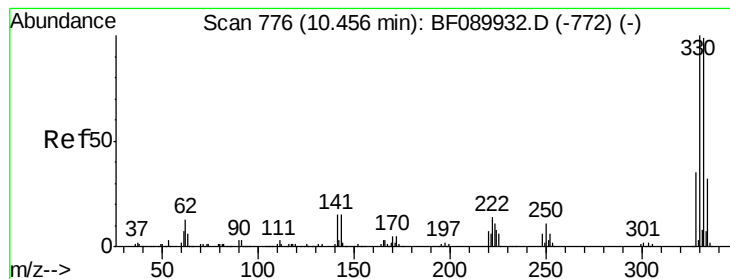
Acq: 31 Aug 2016 19:49

Tgt Ion:	164	Resp:	319001
Ion Ratio		Lower	Upper
164	100		
162	99.2	77.1	115.7
160	44.4	35.3	52.9



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





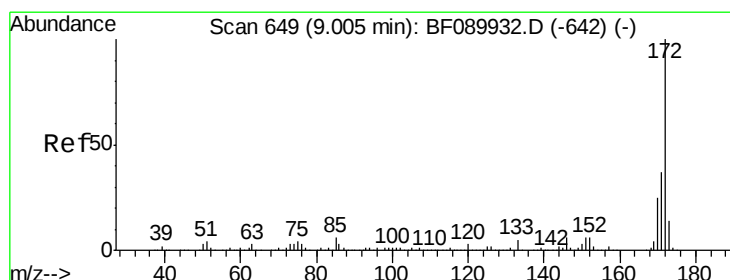
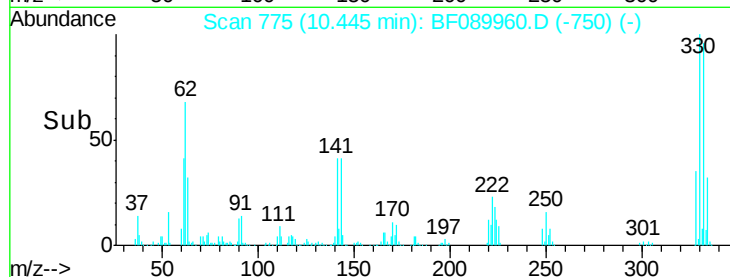
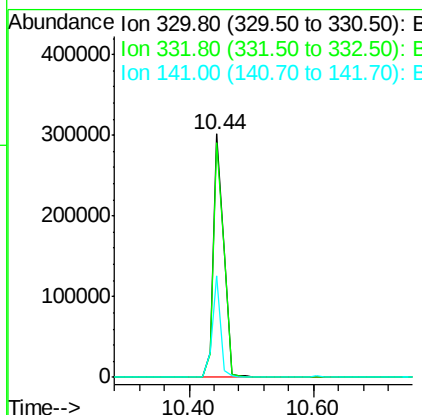
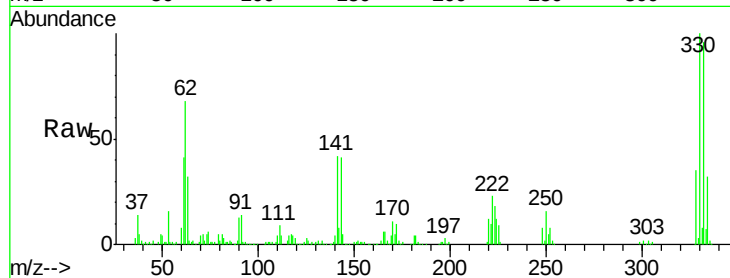
#41
 2,4,6-Tribromophenol
 Concen: 109.15 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF089960.D
 Acq: 31 Aug 2016 19:49

Instrument :
 BNA_F
 ClientSampleId :
 16FT-SOIL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	343506		
332	96.8	78.6	117.8	
141	33.4	23.3	34.9	

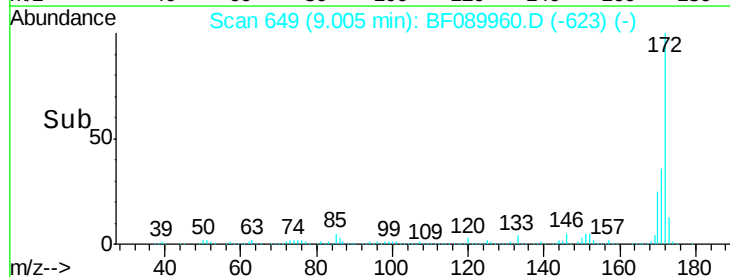
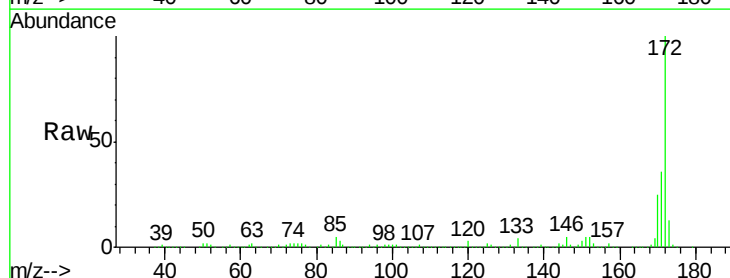
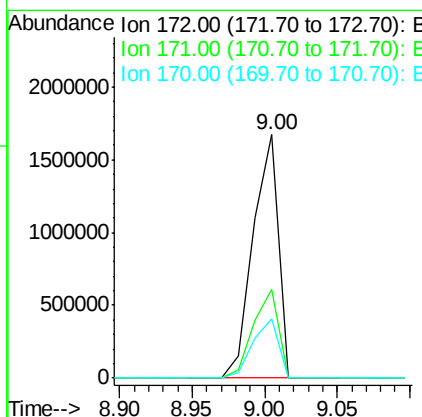
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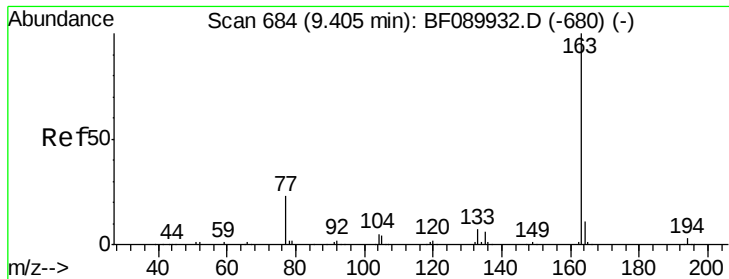
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#44
 2-Fluorobiphenyl
 Concen: 103.81 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF089960.D
 Acq: 31 Aug 2016 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2017359		
171	36.4	29.4	44.2	
170	24.6	20.1	30.1	





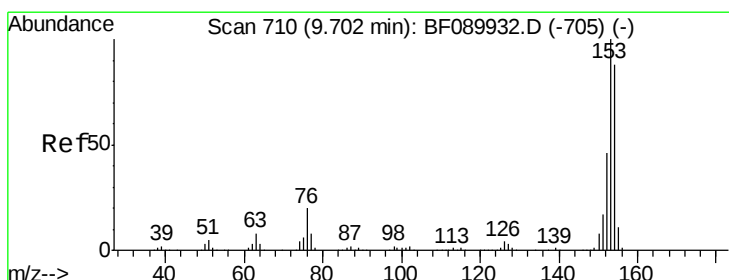
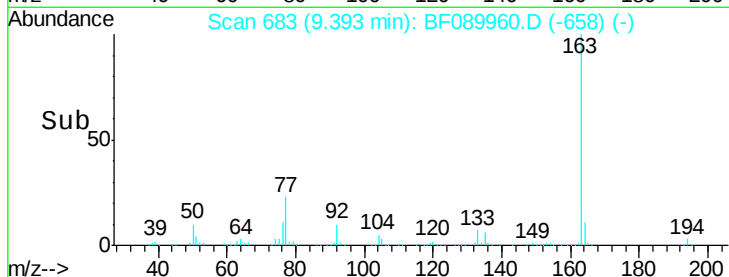
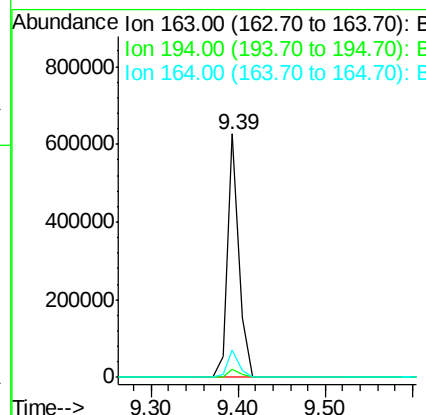
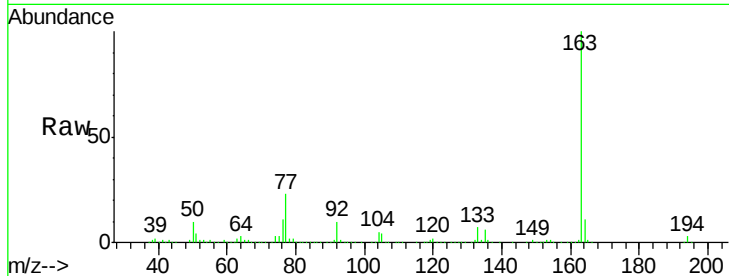
#49
Dimethylphthalate
Concen: 25.07 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF089960.D
Acq: 31 Aug 2016 19:49

Instrument :
BNA_F
ClientSampleId :
16FT-SOIL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	577979		
194	3.5	2.7	4.1	
164	11.1	9.0	13.4	

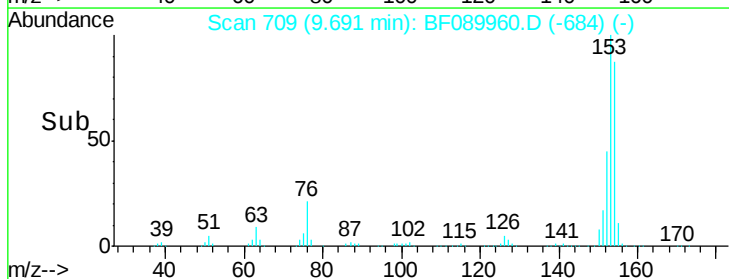
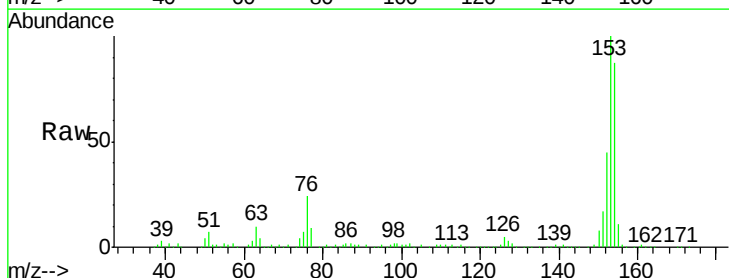
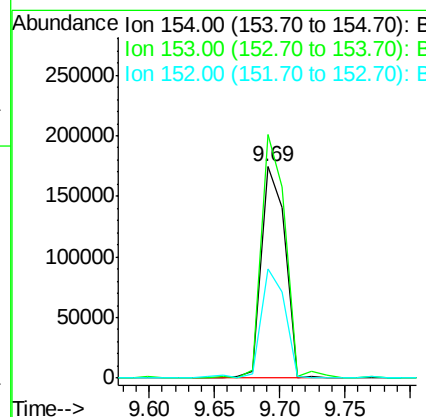
Manual Integrations
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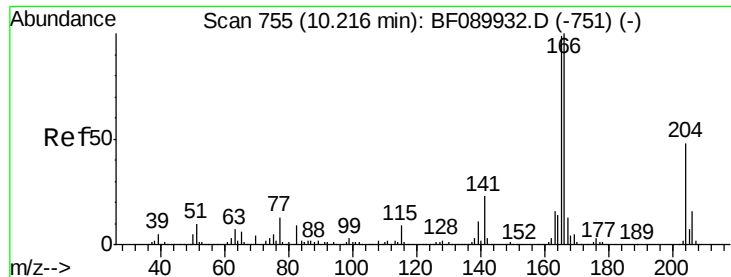
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#51
Acenaphthene
Concen: 11.73 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.01 min
Lab File: BF089960.D
Acq: 31 Aug 2016 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	223288		
153	115.3	90.6	135.8	
152	51.4	42.4	63.6	





#57

Fluorene

Concen: 7.25 ng

RT: 10.20 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Instrument :

BNA_F

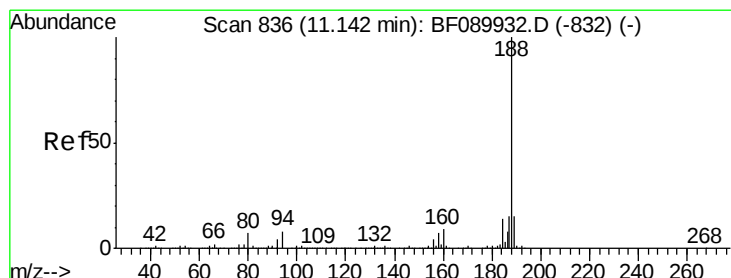
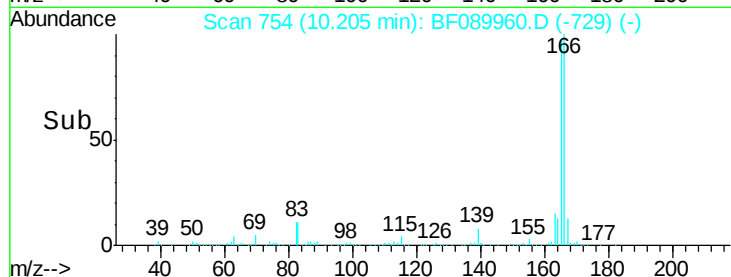
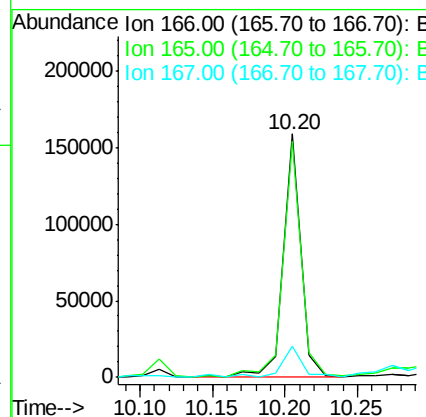
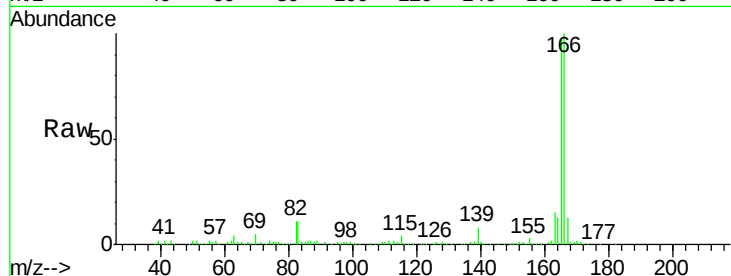
ClientSampleId :

16FT-SOIL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	135055		
165	96.9	78.6	118.0	
167	13.0	10.6	15.8	

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#63

Phenanthrene-d10

Concen: 20.00 ng

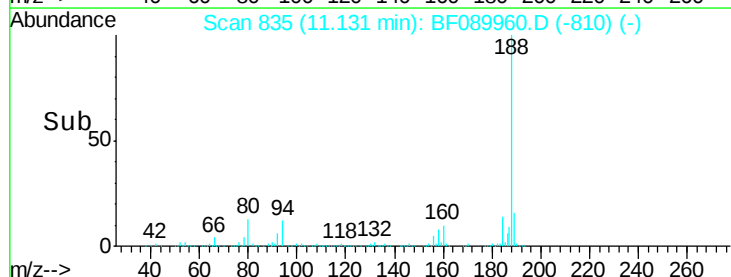
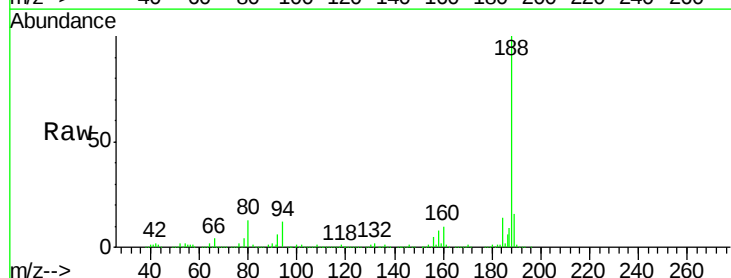
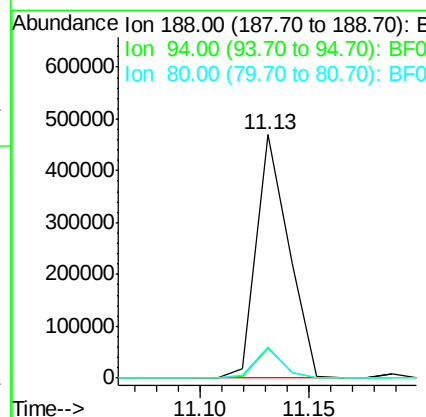
RT: 11.13 min Scan# 835

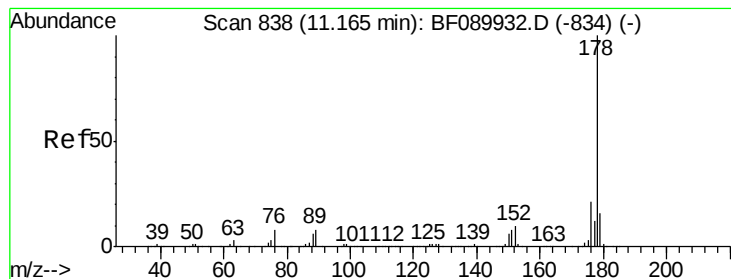
Delta R.T. -0.01 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	488510		
94	12.0	5.9	8.9#	
80	12.6	5.8	8.8#	





#70

Phenanthrene

Concen: 25.93 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Instrument :

BNA_F

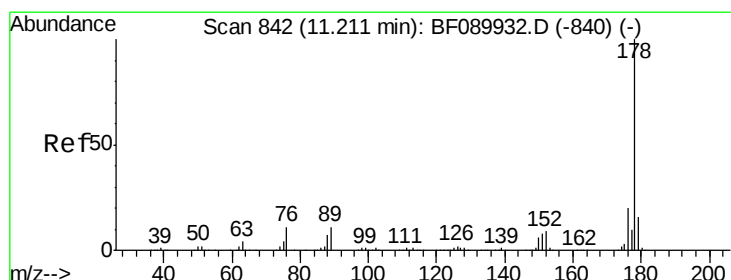
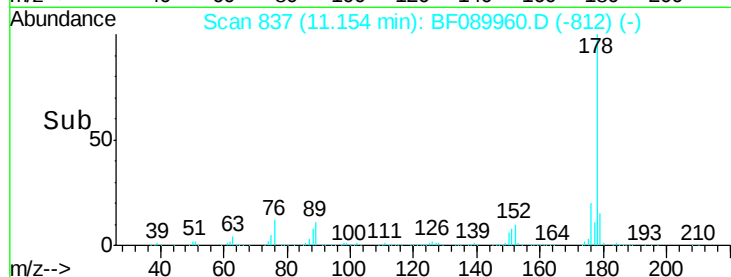
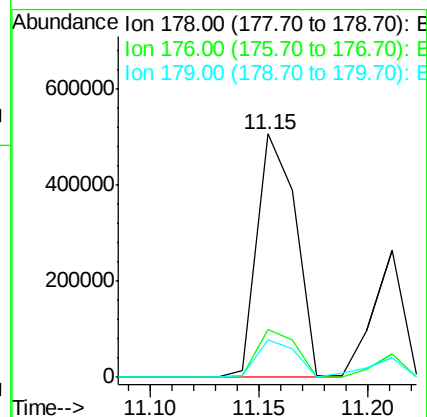
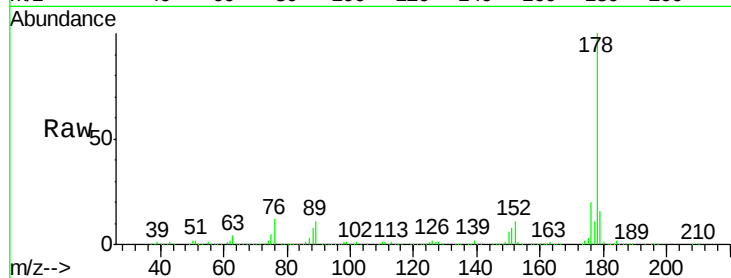
ClientSampleId :

16FT-SOIL

Tgt Ion:	178	Resp:	630736
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.5	24.7
179	15.7	12.8	19.2

Manual Integrations
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#71

Anthracene

Concen: 10.62 ng

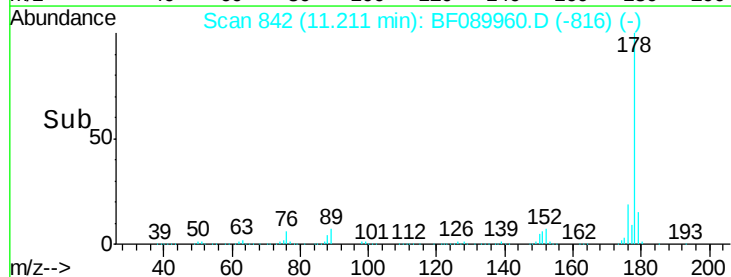
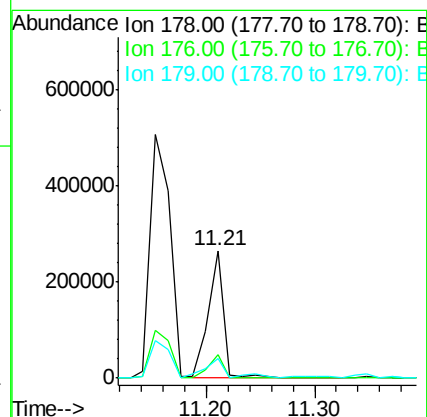
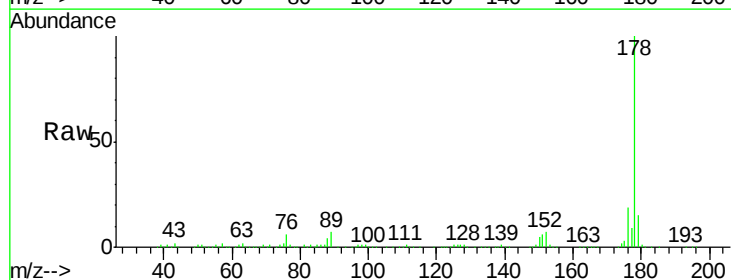
RT: 11.21 min Scan# 842

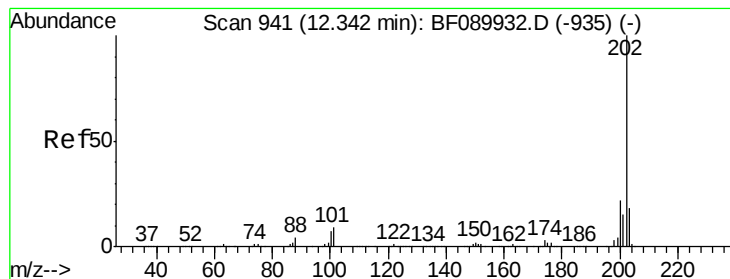
Delta R.T. 0.00 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Tgt Ion:	178	Resp:	261937
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.8	23.8
179	15.0	13.0	19.4





#74

Fluoranthene

Concen: 22.04 ng

RT: 12.33 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Instrument :

BNA_F

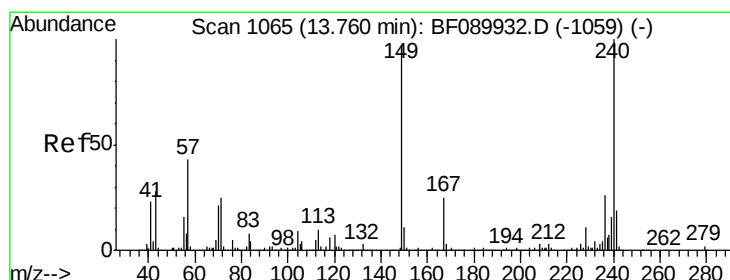
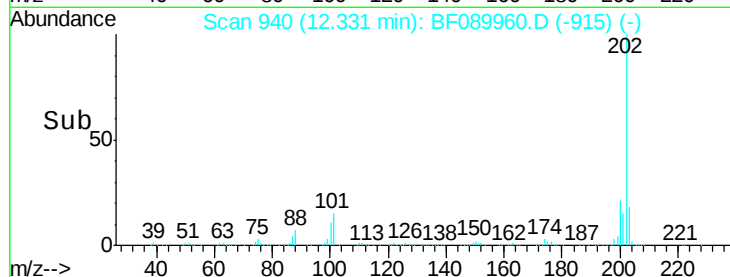
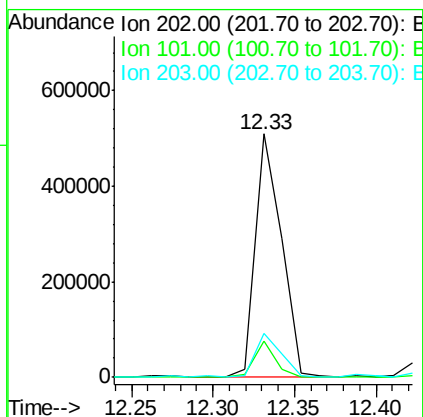
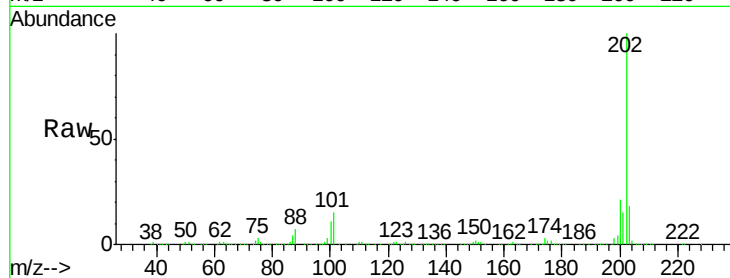
ClientSampleId :

16FT-SOIL

Tgt Ion:	202	Resp:	561789
Ion Ratio	Lower	Upper	
202	100		
101	15.0	0.0	28.5
203	17.8	0.0	38.0

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

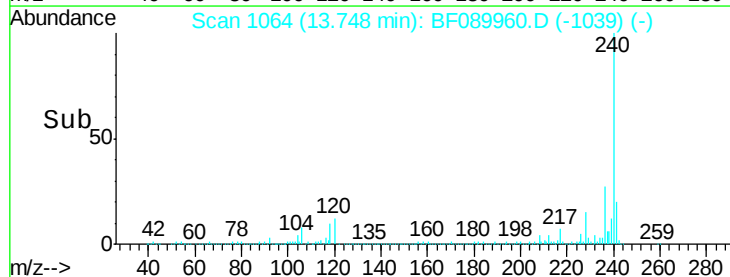
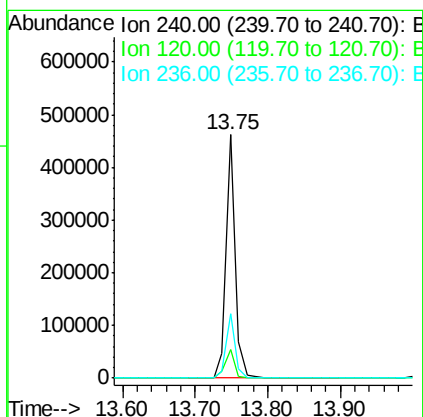
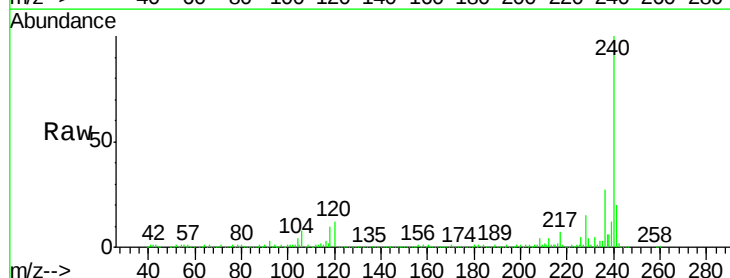
RT: 13.75 min Scan# 1064

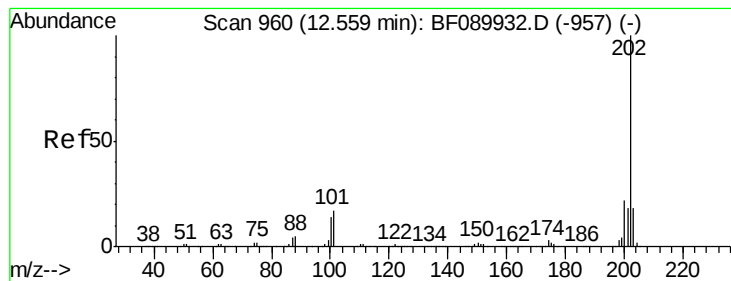
Delta R.T. -0.01 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Tgt Ion:	240	Resp:	411055
Ion Ratio	Lower	Upper	
240	100		
120	11.9	5.7	8.5#
236	26.6	21.3	31.9





#77

Pyrene

Concen: 22.38 ng

RT: 12.56 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Instrument :

BNA_F

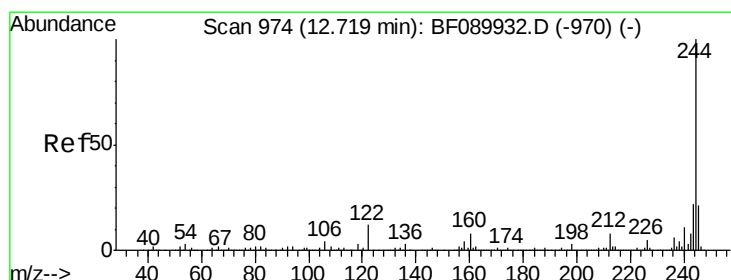
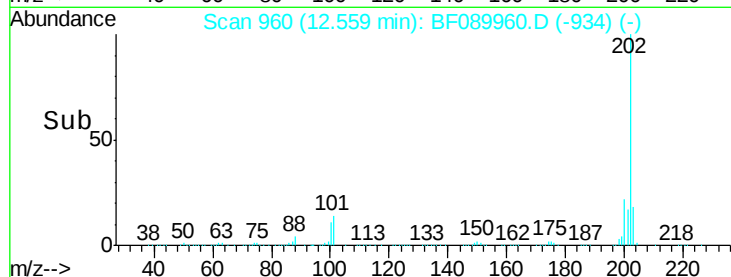
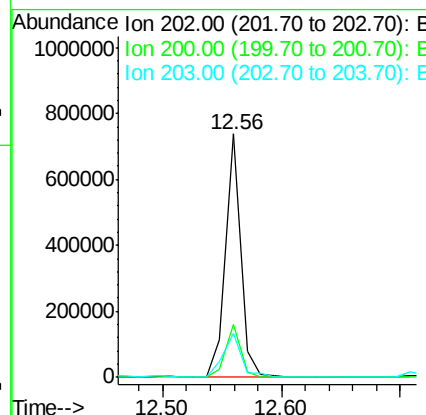
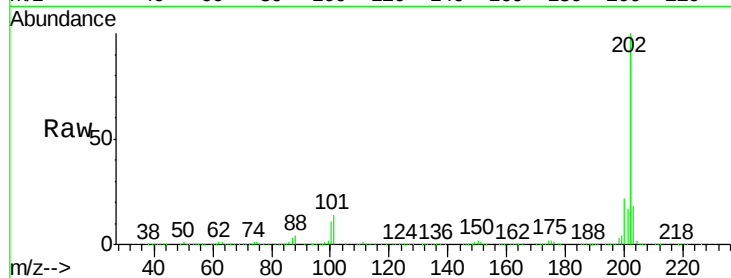
ClientSampleId :

16FT-SOIL

Tgt Ion:	202	Resp:	648730
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.6	26.4
203	18.0	14.6	21.8

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#78

Terphenyl-d14

Concen: 78.04 ng

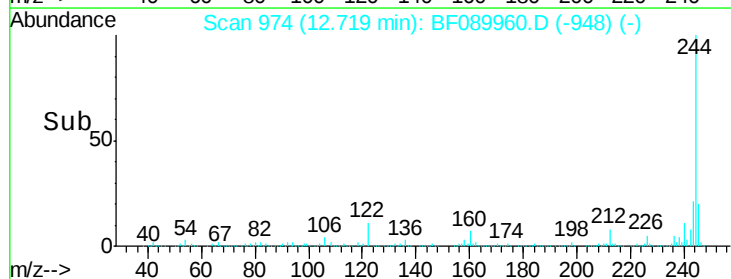
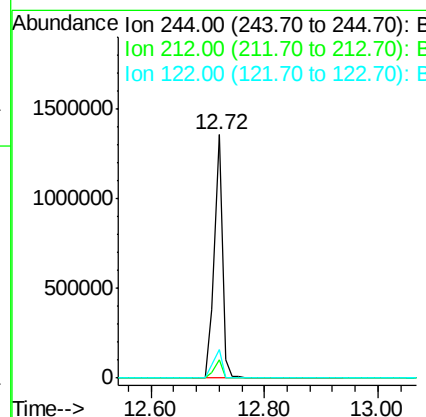
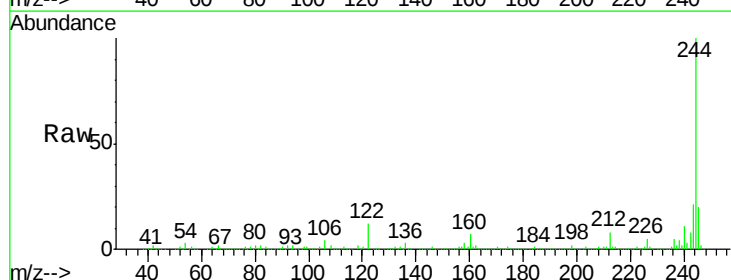
RT: 12.72 min Scan# 974

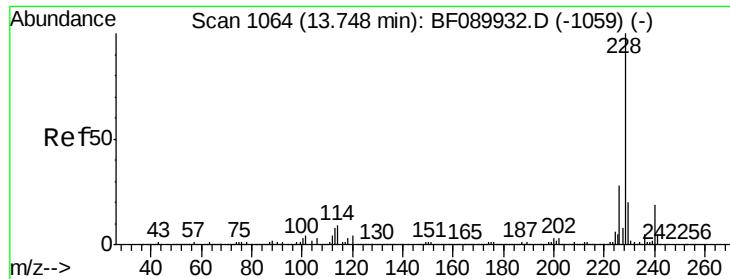
Delta R.T. 0.00 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Tgt Ion:	244	Resp:	1298531
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.1	9.1
122	11.5	9.6	14.4





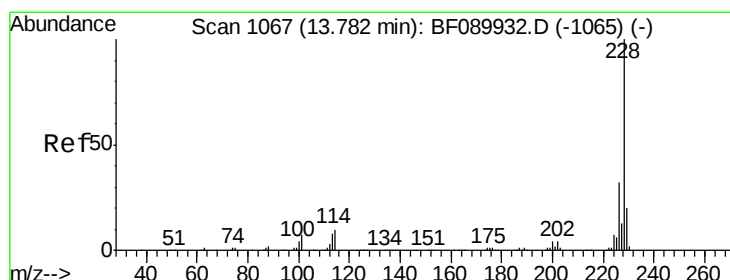
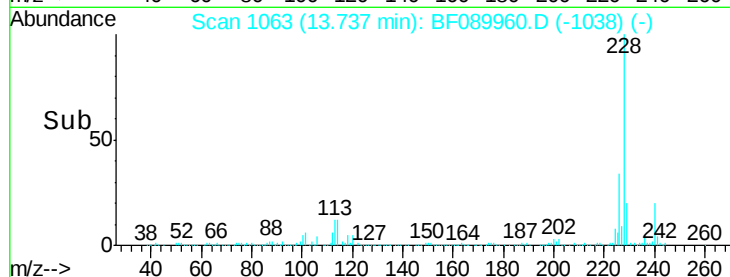
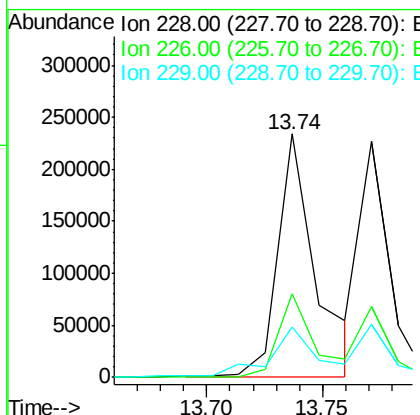
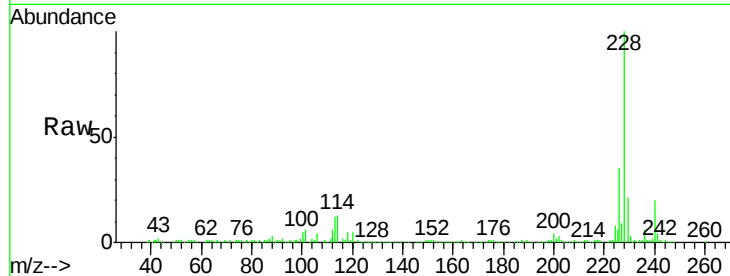
#80
Benzo(a)anthracene
Concen: 10.52 ng m
RT: 13.74 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BF089960.D
Acq: 31 Aug 2016 19:49

Instrument :
BNA_F
ClientSampleId :
16FT-SOIL

Tgt Ion:228 Resp: 264882
Ion Ratio Lower Upper
228 100
226 34.6 22.2 33.2#
229 20.7 15.8 23.6

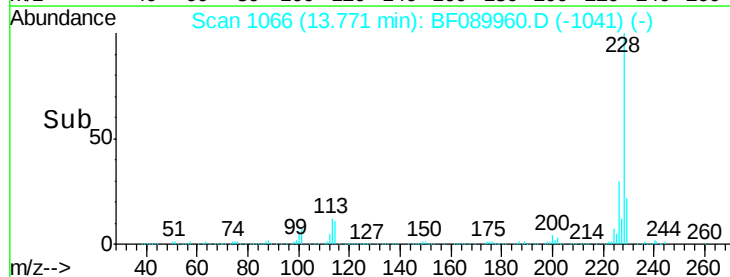
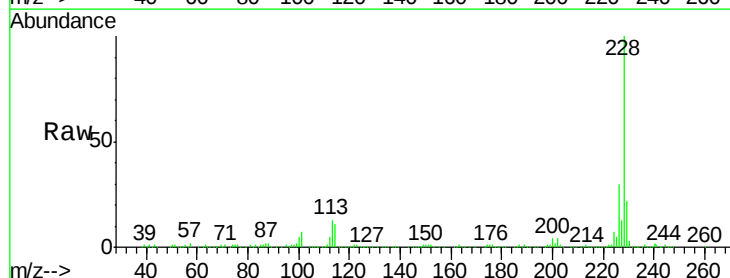
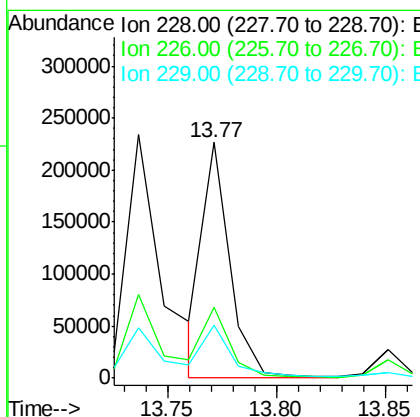
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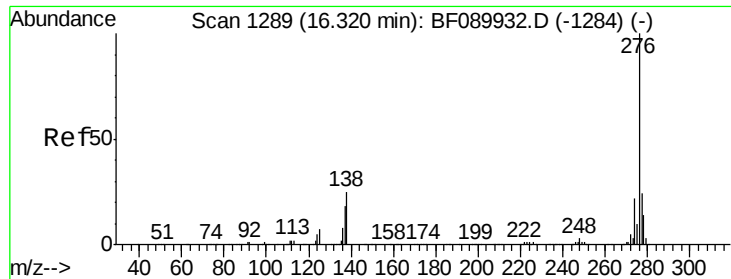
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#82
Chrysene
Concen: 8.25 ng
RT: 13.77 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BF089960.D
Acq: 31 Aug 2016 19:49

Tgt Ion:228 Resp: 194059
Ion Ratio Lower Upper
228 100
226 30.2 25.2 37.8
229 22.4 16.2 24.2





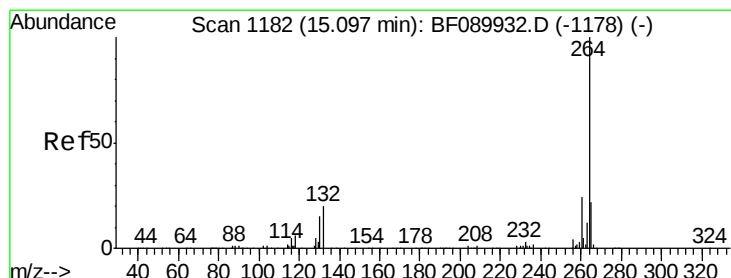
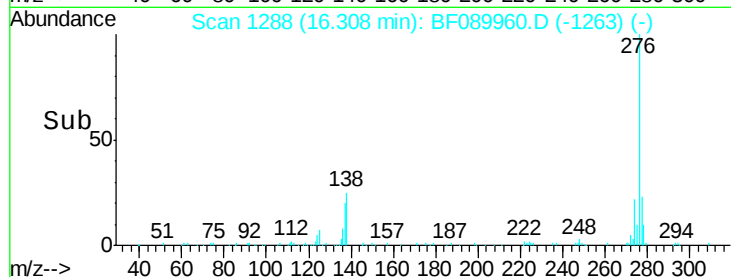
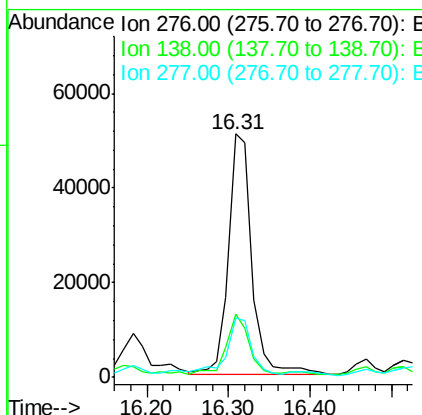
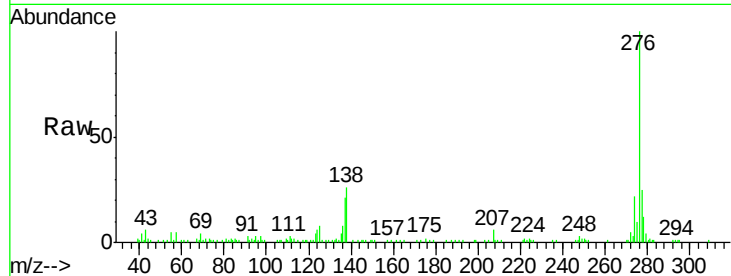
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.83 ng
RT: 16.31 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF089960.D
Acq: 31 Aug 2016 19:49

Instrument :
BNA_F
ClientSampleId :
16FT-SOIL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.9	22.6	34.0
277	25.1	20.1	30.1

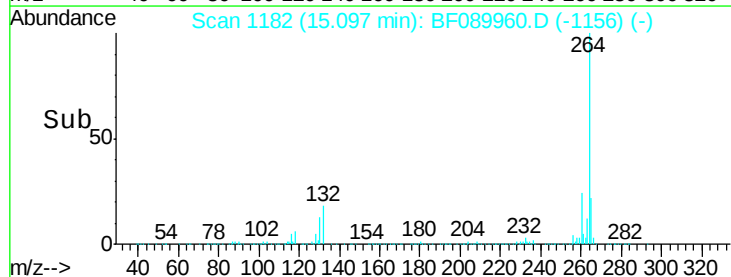
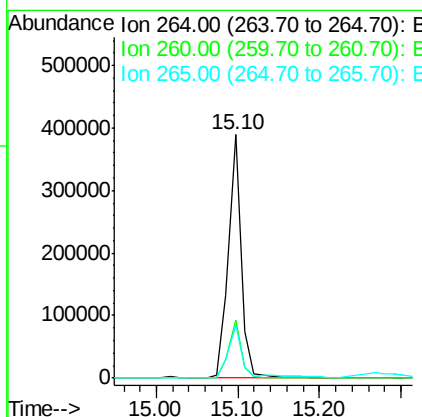
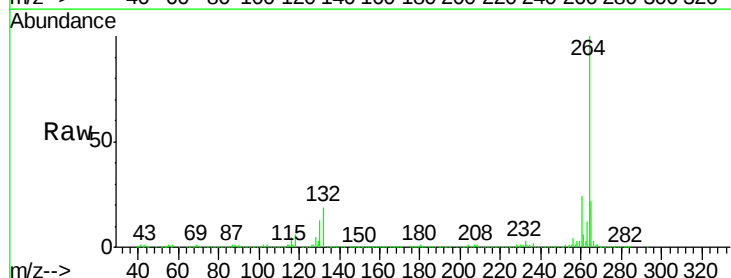
Manual Integrations
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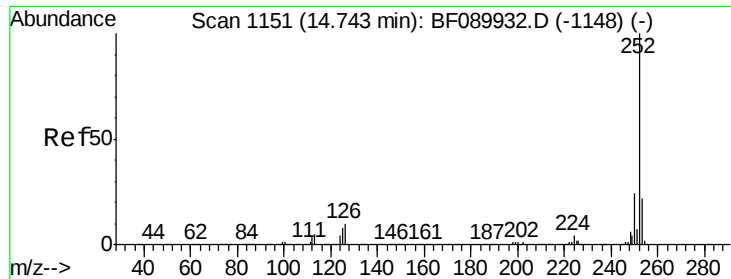
SOHIL
9/1/2016 11:54:31 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BF089960.D
Acq: 31 Aug 2016 19:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	21.9	17.4	26.2





#87

Benzo(b)fluoranthene

Concen: 8.63 ng m

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Instrument :

BNA_F

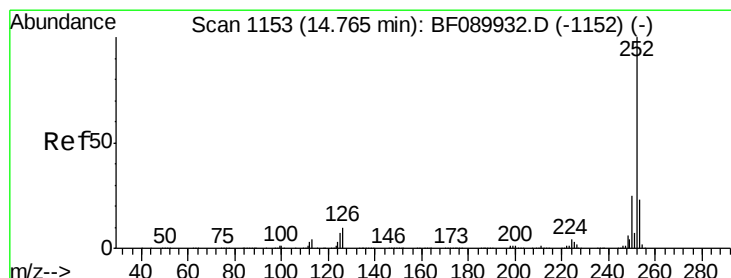
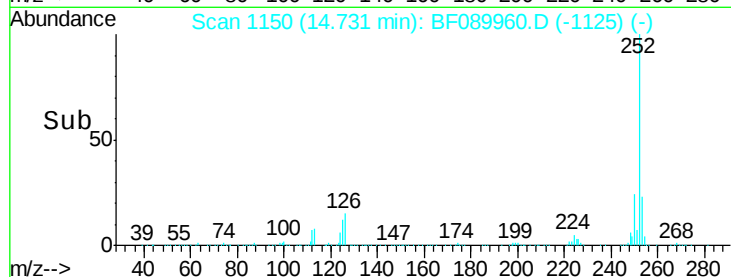
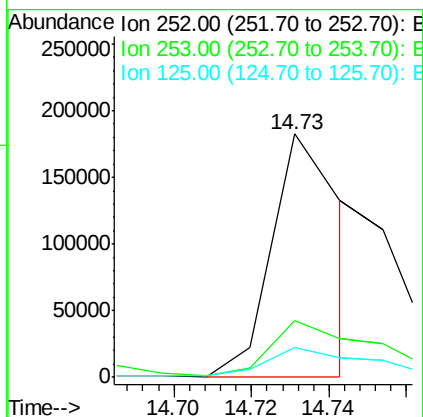
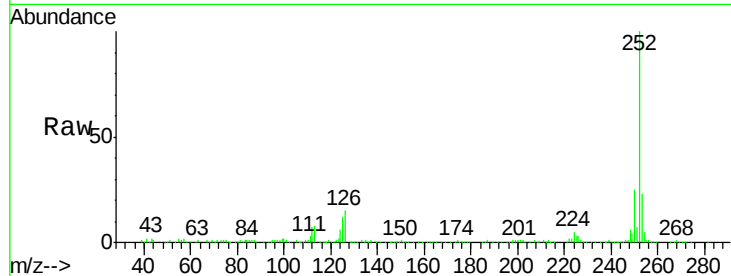
ClientSampleId :

16FT-SOIL

Tgt Ion:	252	Resp:	231437
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.0	27.0
125	12.2	5.7	8.5#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.45 ng m

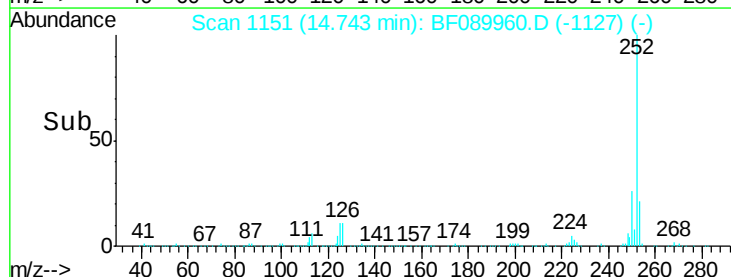
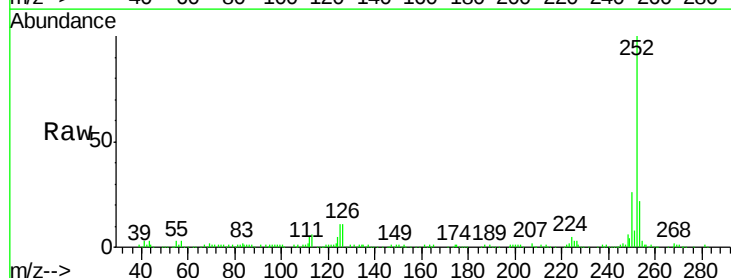
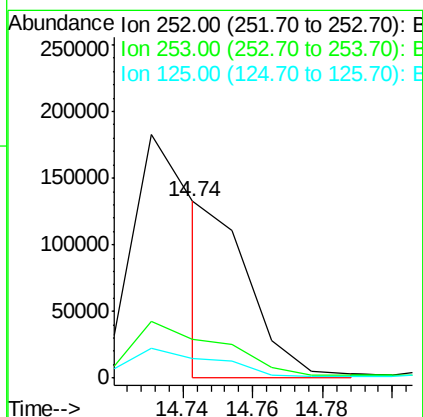
RT: 14.74 min Scan# 1151

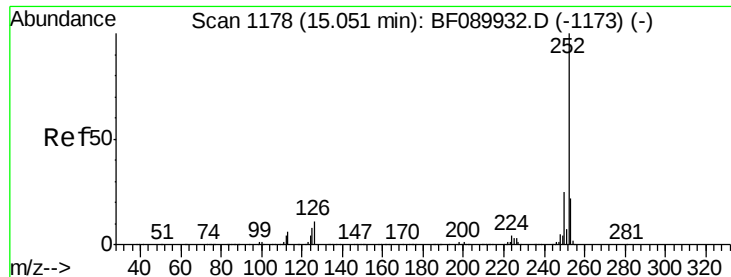
Delta R.T. -0.02 min

Lab File: BF089960.D

Acq: 31 Aug 2016 19:49

Tgt Ion:	252	Resp:	101179
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.8
125	11.4	7.3	10.9#





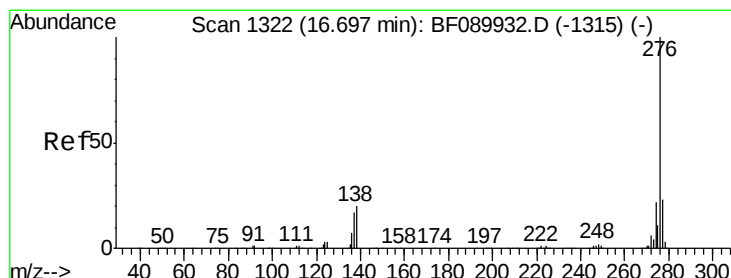
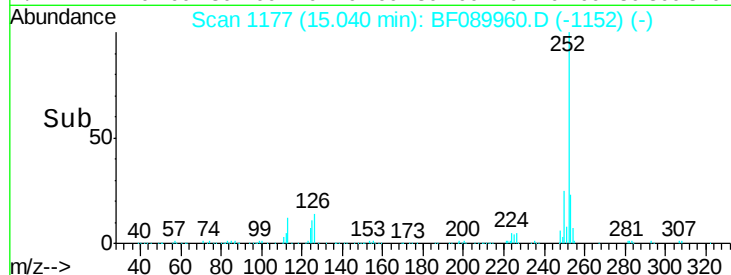
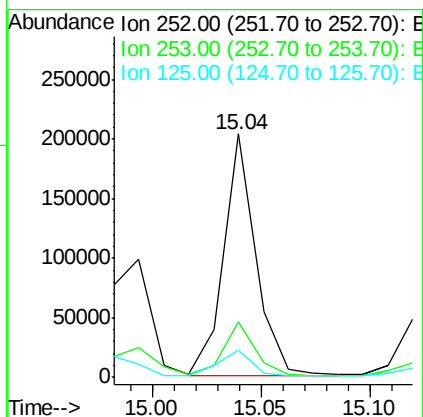
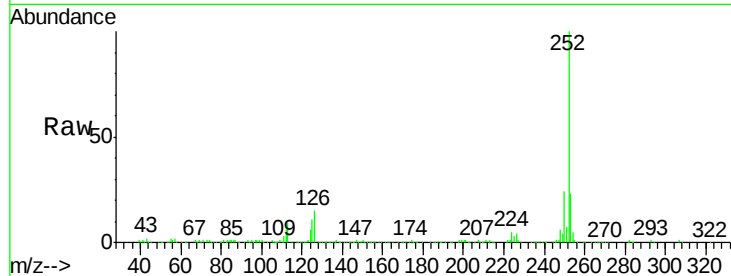
#89
Benzo(a)pyrene
Concen: 9.15 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF089960.D
Acq: 31 Aug 2016 19:49

Instrument :
BNA_F
ClientSampleId :
16FT-SOIL

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	17.5	26.3
125	11.2	6.3	9.5#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.69 ng
RT: 16.67 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF089960.D
Acq: 31 Aug 2016 19:49

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.1	19.0	28.4
138	26.5	16.4	24.6#

