

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
 Data File : BF089978.D
 Acq On : 2 Sep 2016 16:43
 Operator : UM/SJ
 Sample : H4683-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILSAMPLE-1

Manual Integrations
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 9/5/2016 6:42:30 AM

Quant Time: Sep 02 17:41:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 13:29:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	190579	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	711485	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	353001	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	598950	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	418033	20.00	ng	-0.01
86) Perylene-d12	15.10	264	452267	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	816651	68.59	ng	0.00
7) Phenol-d6	6.27	99	963884	66.62	ng	-0.01
23) Nitrobenzene-d5	7.20	82	584334	47.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	242906	69.75	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1292320	60.10	ng	-0.01
78) Terphenyl-d14	12.72	244	1056500	62.43	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.52	152	90965	2.74	ng	98
49) Dimethylphthalate	9.39	163	360240	14.12	ng	99
51) Acenaphthene	9.69	154	52769	2.51	ng	95
57) Fluorene	10.20	166	66095	3.20	ng	97
70) Phenanthrene	11.16	178	968960	32.49	ng	98
71) Anthracene	11.21	178	242728	8.02	ng	98
72) Carbazole	11.36	167	66222	2.33	ng	99
74) Fluoranthene	12.34	202	1235673	39.53	ng	99
77) Pyrene	12.56	202	1133723	38.46	ng	98
80) Benzo(a)anthracene	13.75	228	649843	25.38	ng	96
82) Chrysene	13.78	228	531663m	22.23	ng	
85) Indeno(1,2,3-cd)pyrene	16.33	276	254631	14.40	ng	97
87) Benzo(b)fluoranthene	14.74	252	682148m	24.08	ng	
88) Benzo(k)fluoranthene	14.75	252	176739m	7.35	ng	
89) Benzo(a)pyrene	15.05	252	483575	19.92	ng	98
90) Dibenzo(a,h)anthracene	16.33	278	59471m	3.34	ng	
91) Benzo(g,h,i)perylene	16.70	276	239682	13.39	ng	98

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

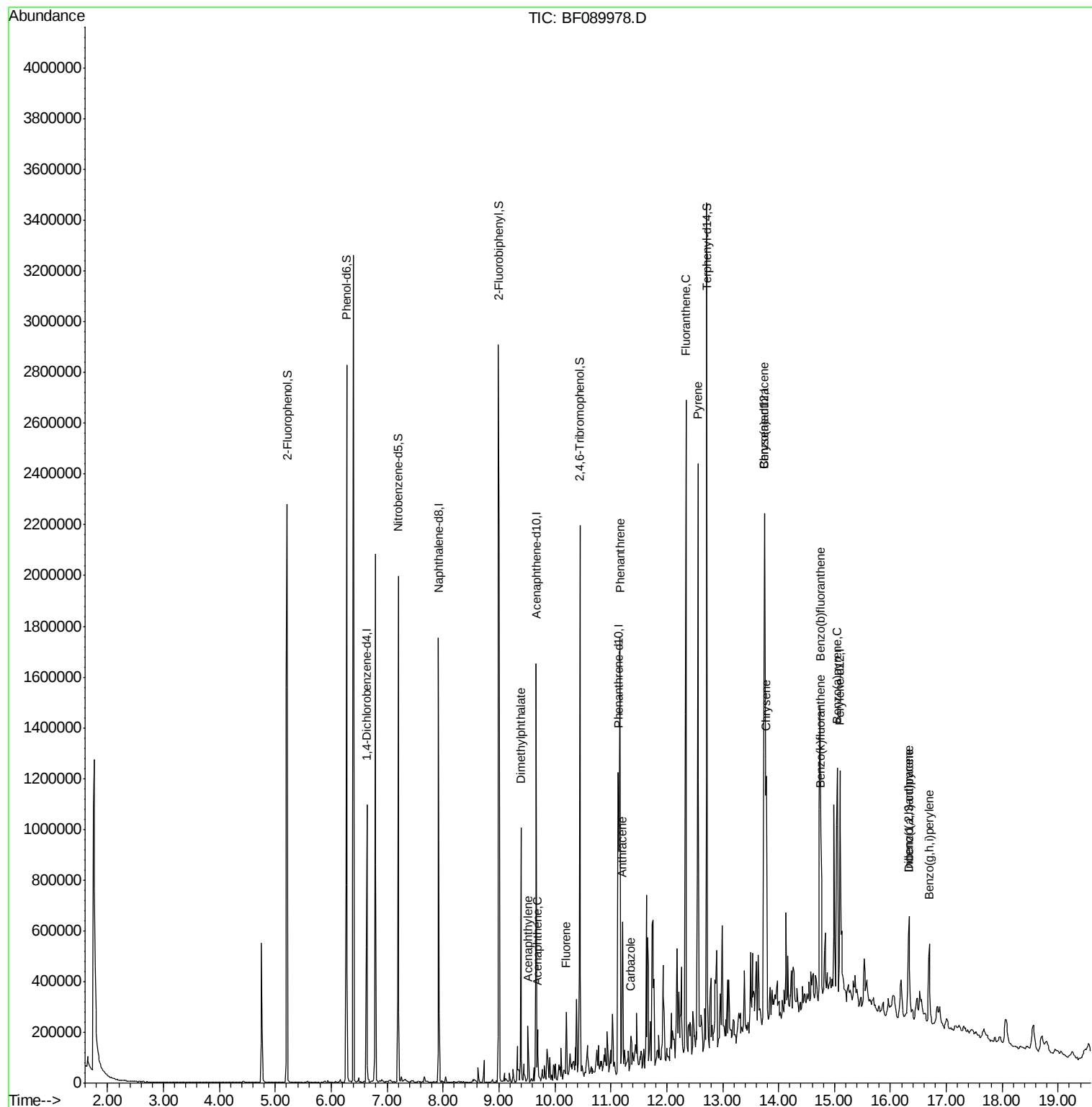
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
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Sample : H4683-01
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ALS Vial : 18 Sample Multiplier: 1

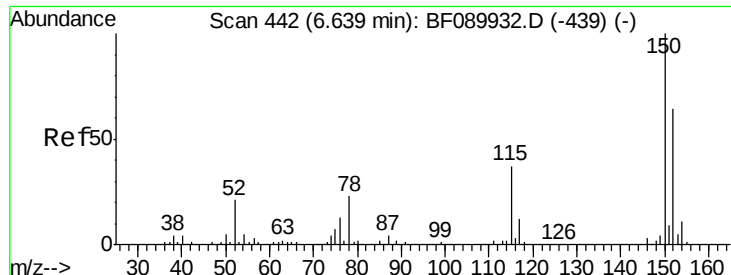
Instrument :
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SOILSAMPLE-1

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Quant Time: Sep 02 17:41:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 13:29:08 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: BF089978.D

Acq: 2 Sep 2016 16:43

Instrument :

BNA_F

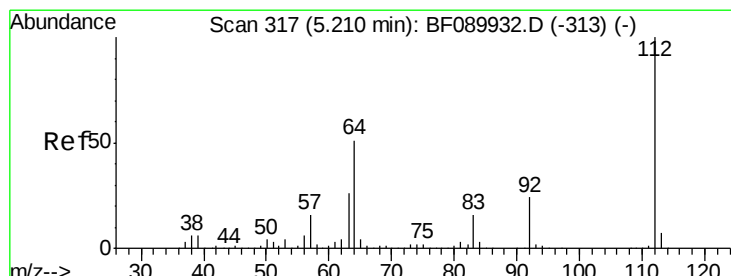
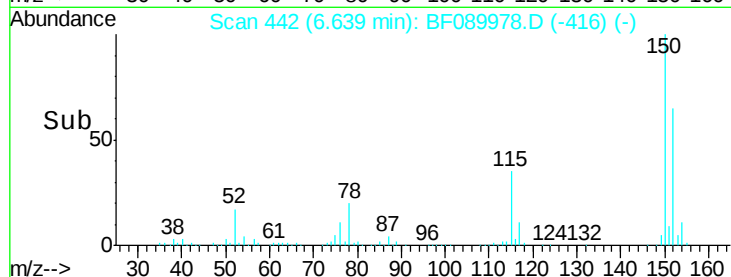
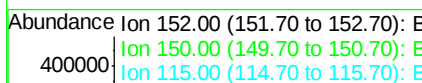
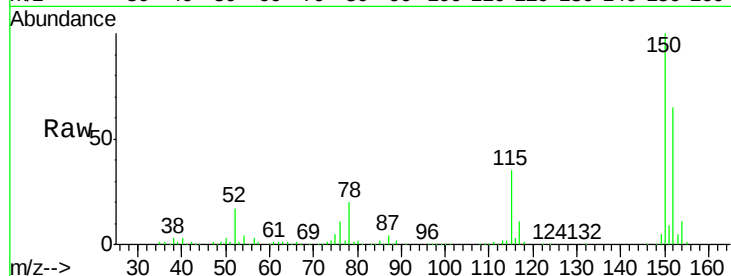
ClientSampleId :

SOILSAMPLE-1

Tgt Ion:	152	Resp:	190579
Ion Ratio	Lower	Upper	
152	100		
150	154.2	127.4	191.2
115	53.5	46.3	69.5

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#5

2-Fluorophenol

Concen: 68.59 ng

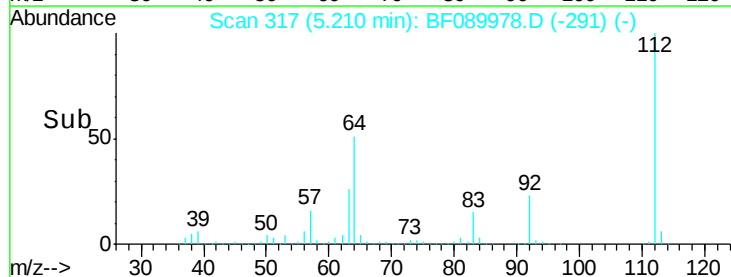
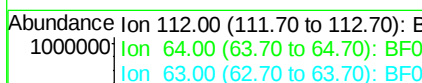
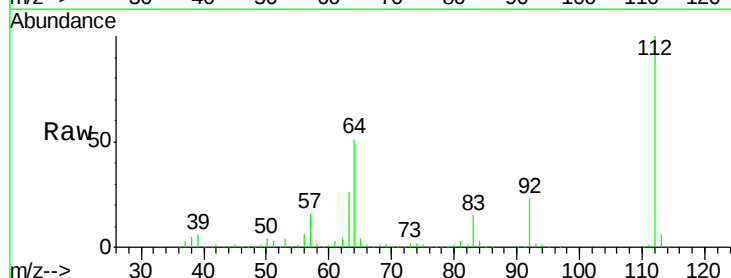
RT: 5.21 min Scan# 317

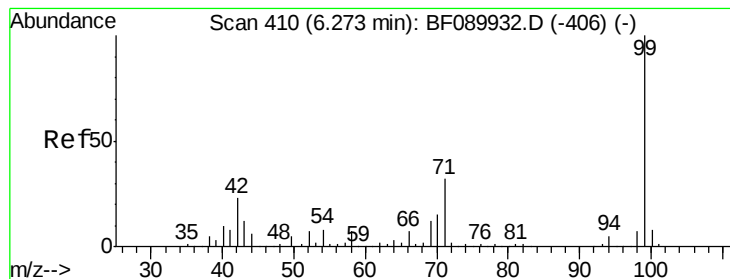
Delta R.T. -0.00 min

Lab File: BF089978.D

Acq: 2 Sep 2016 16:43

Tgt Ion:	112	Resp:	816651
Ion Ratio	Lower	Upper	
112	100		
64	51.2	41.1	61.7
63	26.2	21.2	31.8





#7

Phenol-d6

Concen: 66.62 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF089978.D

Acq: 2 Sep 2016 16:43

Instrument :

BNA_F

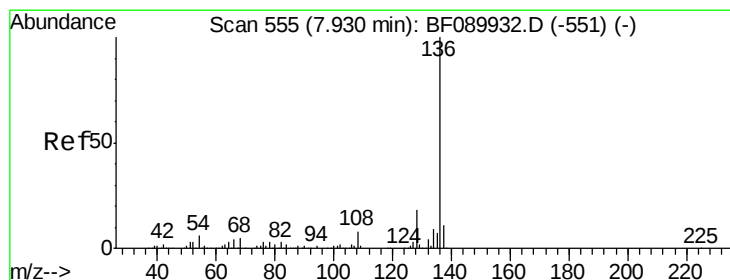
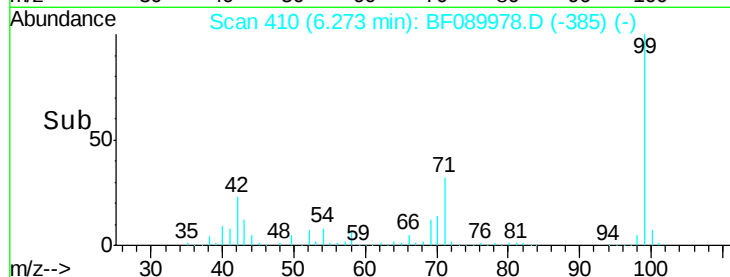
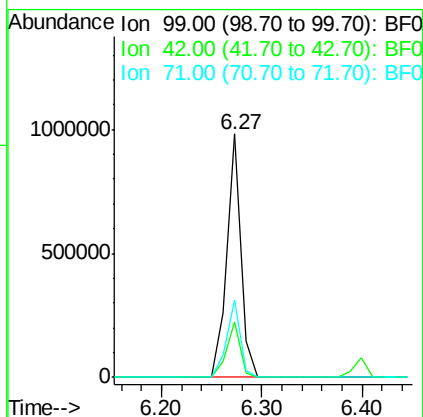
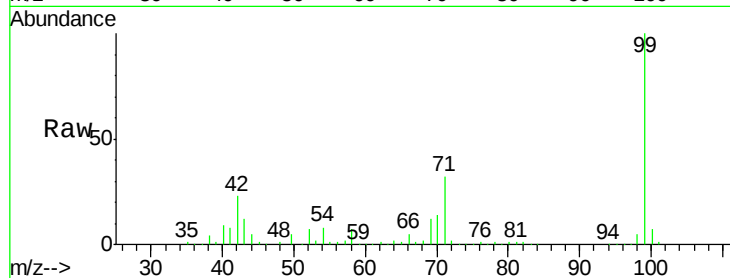
ClientSampled :

SOILSAMPLE-1

Tgt Ion:	99	Resp:	963884
Ion Ratio	Lower	Upper	
99	100		
42	22.7	18.6	27.8
71	31.8	25.8	38.6

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#21

Naphthalene-d8

Concen: 20.00 ng

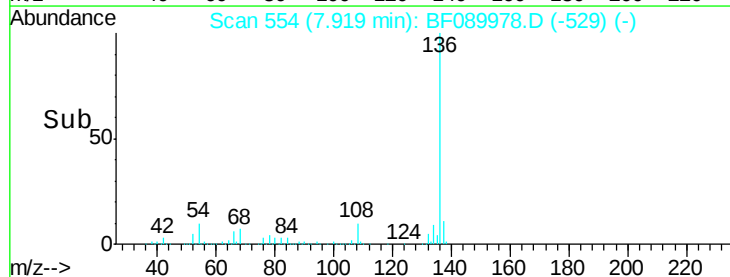
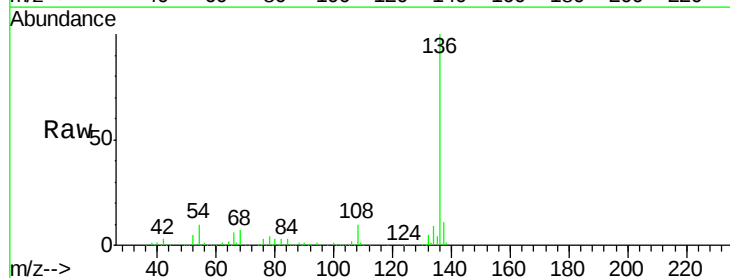
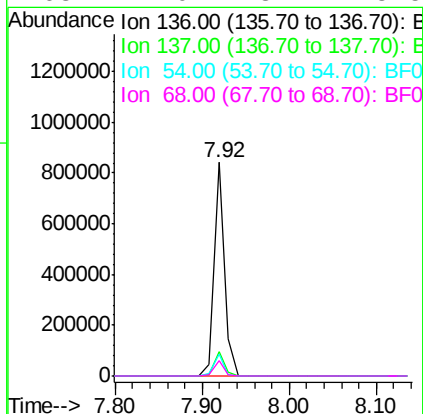
RT: 7.92 min Scan# 554

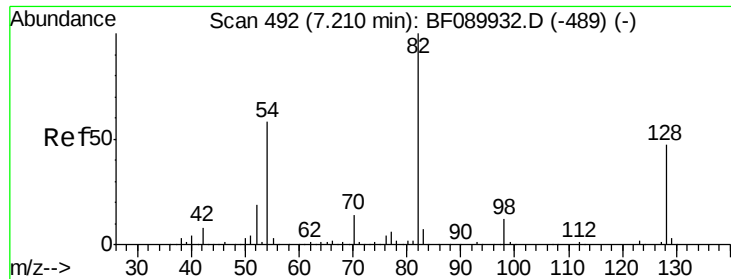
Delta R.T. -0.01 min

Lab File: BF089978.D

Acq: 2 Sep 2016 16:43

Tgt Ion:	136	Resp:	711485
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.3	12.5
54	10.3	4.8	7.2#
68	7.0	3.7	5.5#





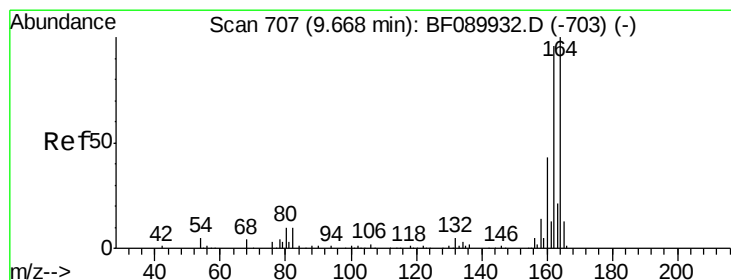
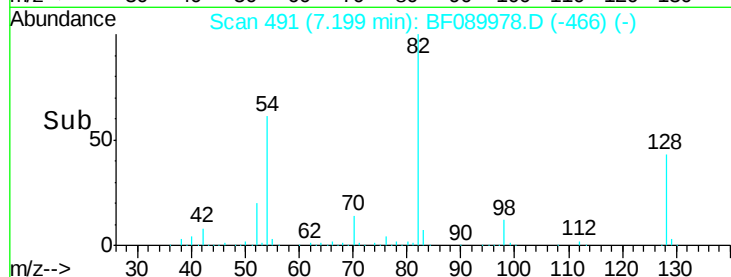
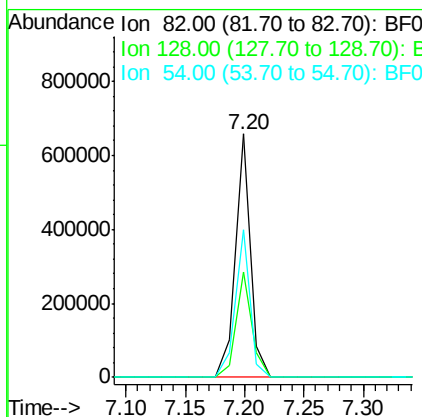
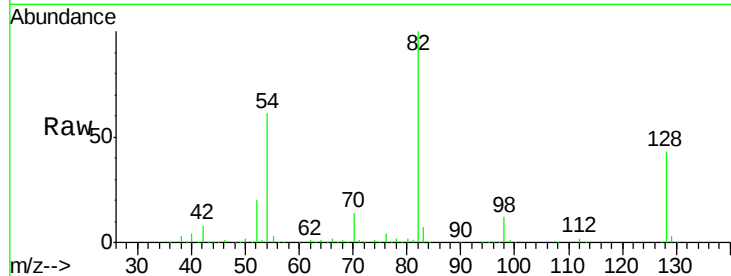
#23
 Nitrobenzene-d5
 Concen: 47.63 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: BF089978.D
 Acq: 2 Sep 2016 16:43

Instrument :
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 ClientSampleId :
 SOILSAMPLE-1

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	584334		
128	43.1	37.8	56.8	
54	60.6	46.9	70.3	

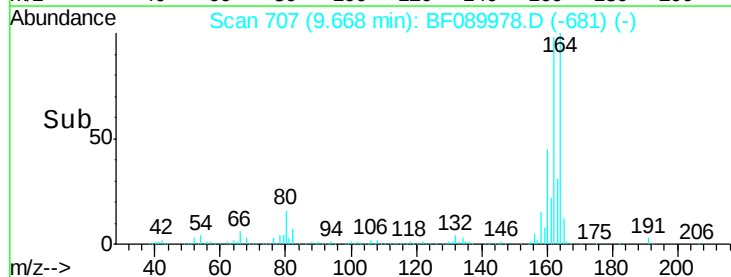
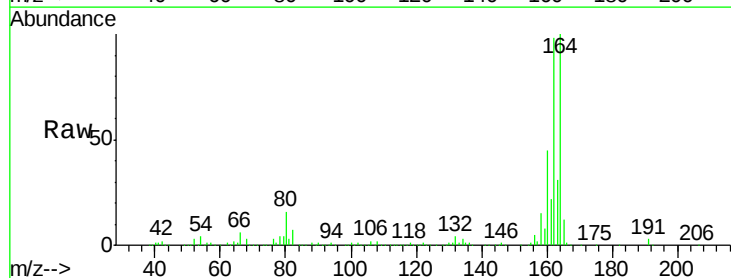
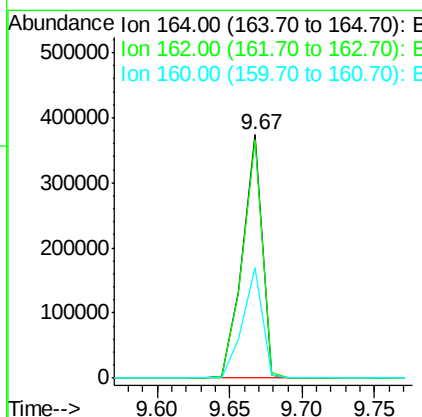
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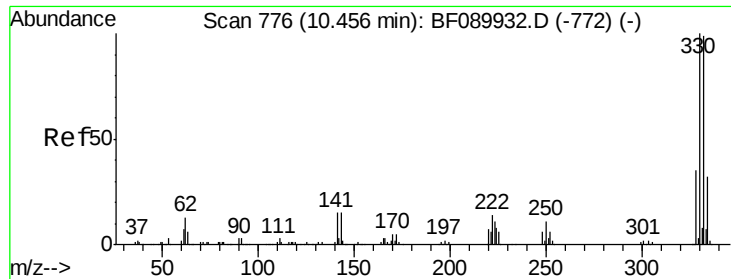
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BF089978.D
 Acq: 2 Sep 2016 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	353001		
162	98.0	77.1	115.7	
160	45.3	35.3	52.9	





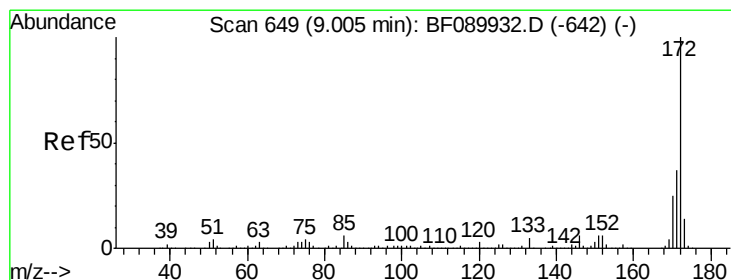
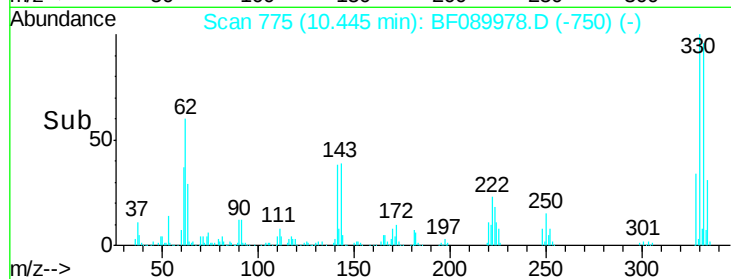
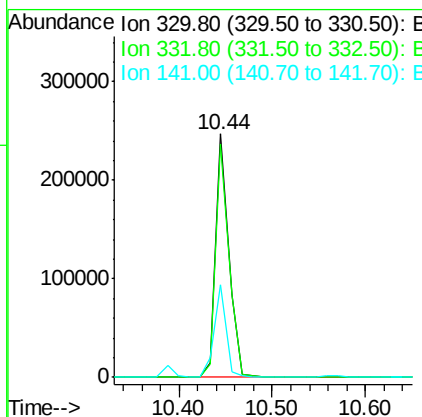
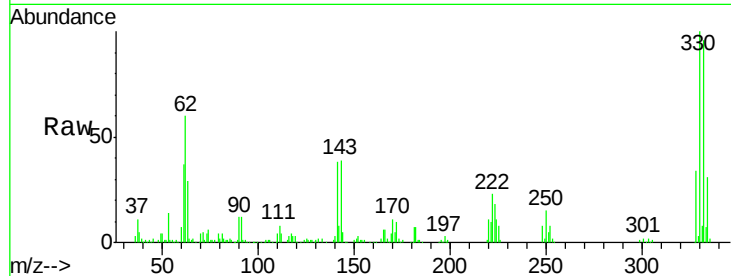
#41
 2,4,6-Tribromophenol
 Concen: 69.75 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF089978.D
 Acq: 2 Sep 2016 16:43

Instrument :
 BNA_F
 ClientSampleId :
 SOILSAMPLE-1

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	242906		
332	96.2	78.6	117.8	
141	34.0	23.3	34.9	

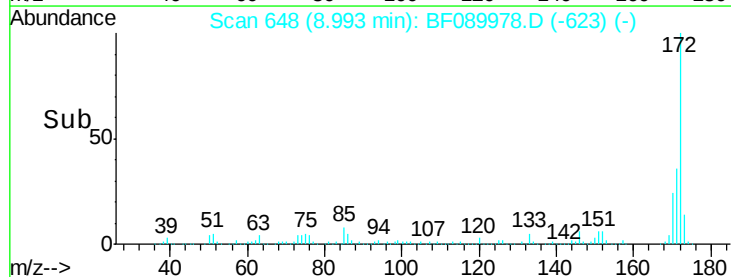
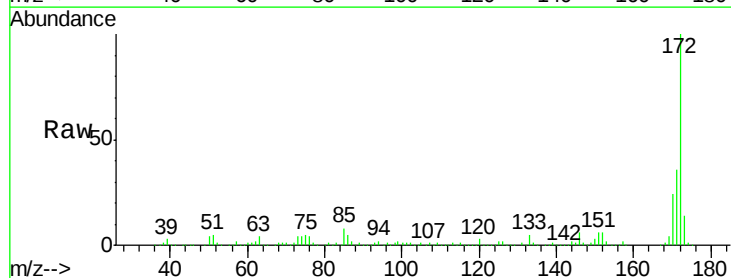
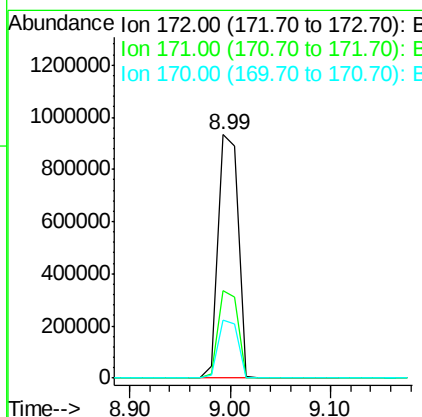
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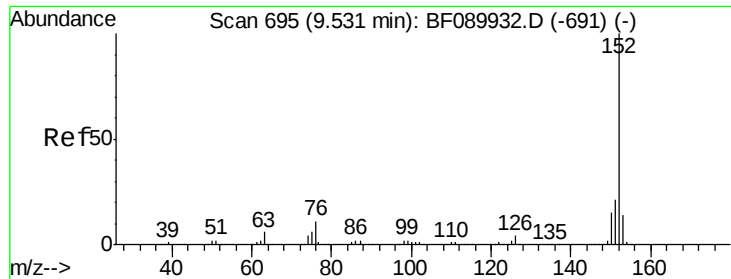
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#44
 2-Fluorobiphenyl
 Concen: 60.10 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF089978.D
 Acq: 2 Sep 2016 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1292320		
171	36.1	29.4	44.2	
170	23.9	20.1	30.1	





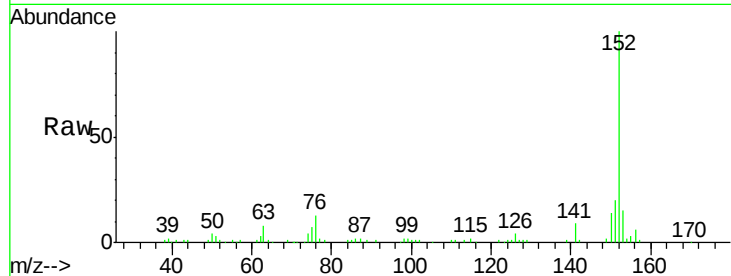
#48
Acenaphthylene
Concen: 2.74 ng
RT: 9.52 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF089978.D
Acq: 2 Sep 2016 16:43

Instrument :
BNA_F
ClientSampleId :
SOILSAMPLE-1

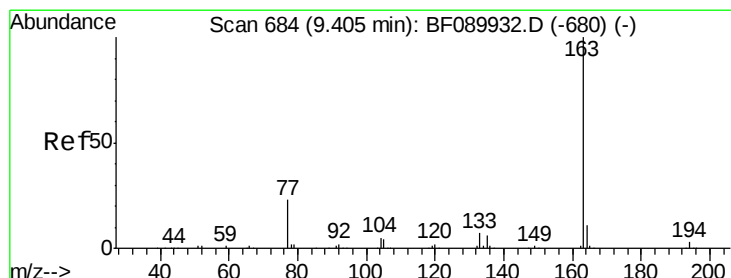
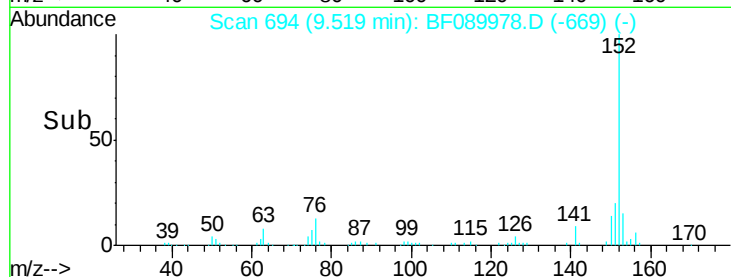
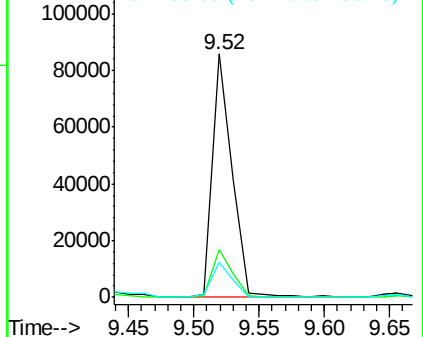
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	90965		
151	19.6		16.7	25.1
153	14.6		11.6	17.4

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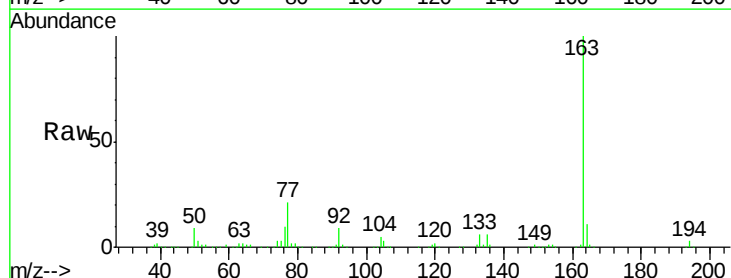


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

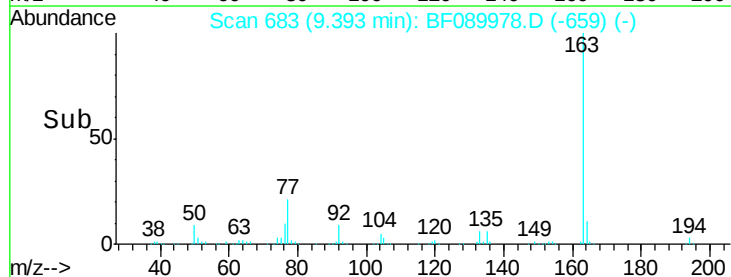
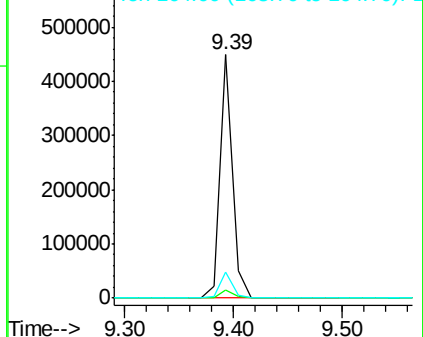


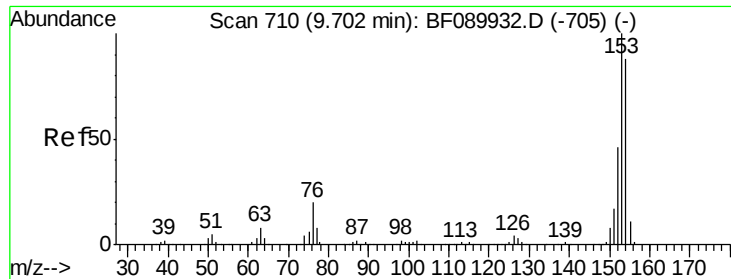
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Dimethylphthalate
Concen: 14.12 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.02 min
Lab File: BF089978.D
Acq: 2 Sep 2016 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	360240		
194	3.5		2.7	4.1
164	10.6		9.0	13.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.51 ng

RT: 9.69 min Scan# 709

Delta R.T. -0.01 min

Lab File: BF089978.D

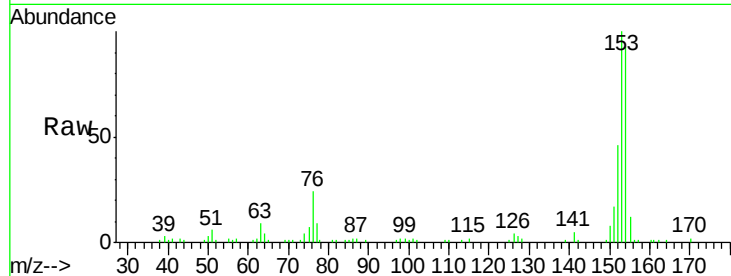
Acq: 2 Sep 2016 16:43

Instrument :

BNA_F

ClientSampleId :

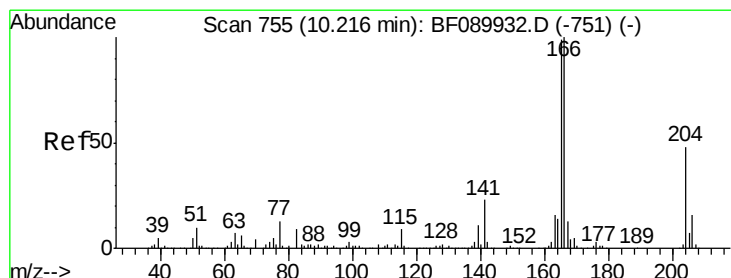
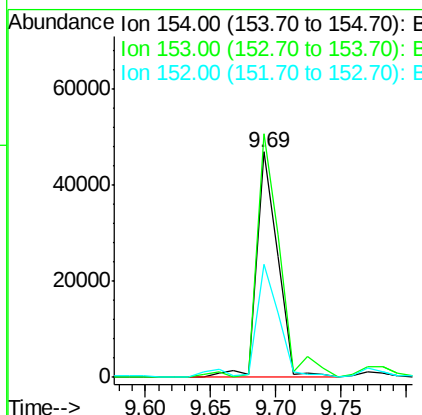
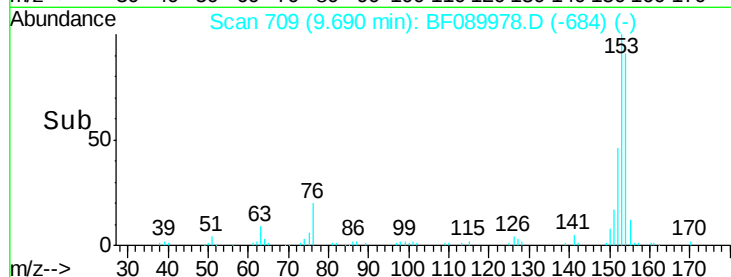
SOILSAMPLE-1



Tgt Ion:	154	Resp:	52769
Ion Ratio	Lower	Upper	
154	100		
153	107.9	90.6	135.8
152	50.2	42.4	63.6

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#57

Fluorene

Concen: 3.20 ng

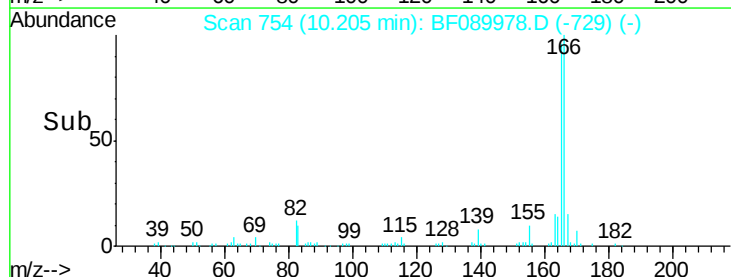
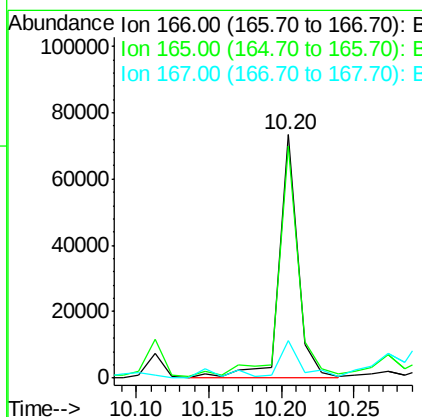
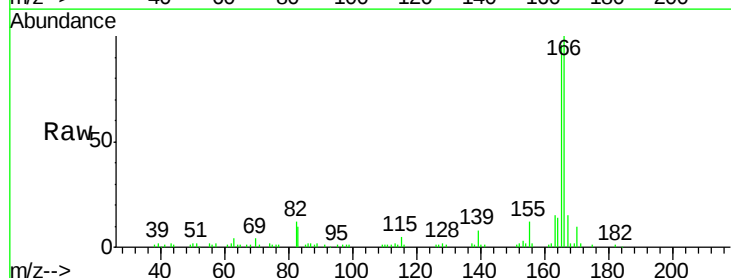
RT: 10.20 min Scan# 754

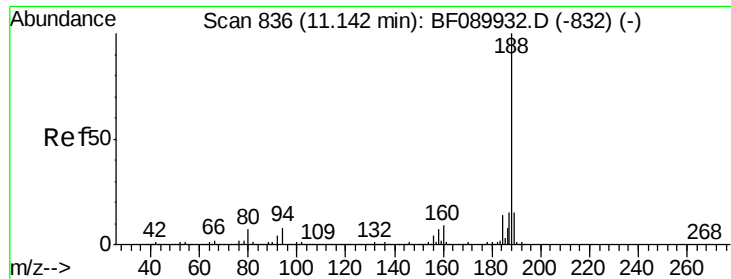
Delta R.T. -0.01 min

Lab File: BF089978.D

Acq: 2 Sep 2016 16:43

Tgt Ion:	166	Resp:	66095
Ion Ratio	Lower	Upper	
166	100		
165	95.5	78.6	118.0
167	15.3	10.6	15.8





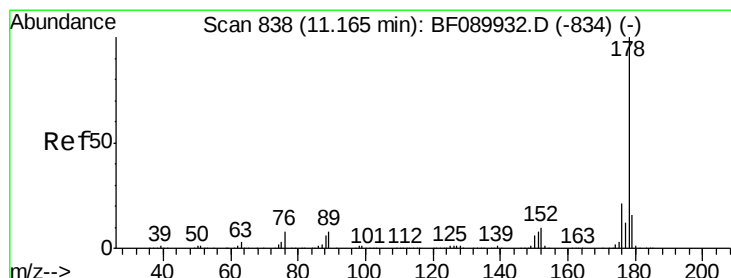
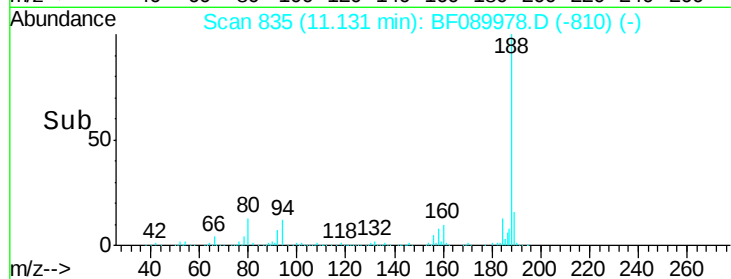
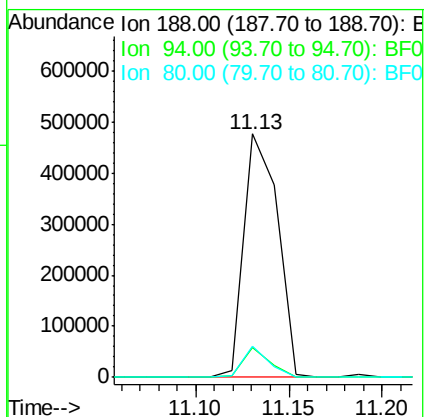
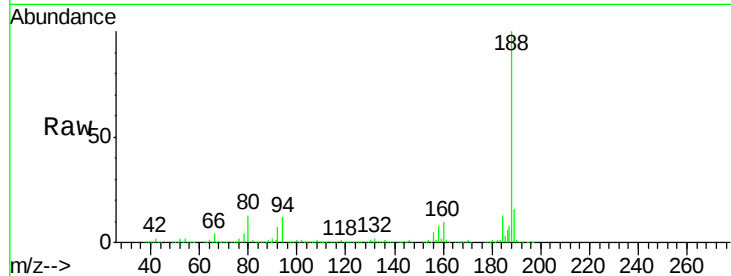
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF089978.D
Acq: 2 Sep 2016 16:43

Instrument :
BNA_F
ClientSampleId :
SOILSAMPLE-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.1	5.9	8.9#
80	12.8	5.8	8.8#

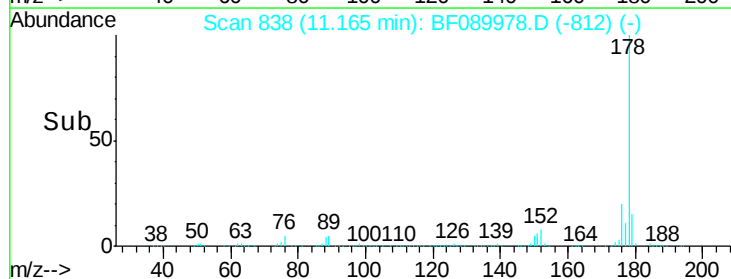
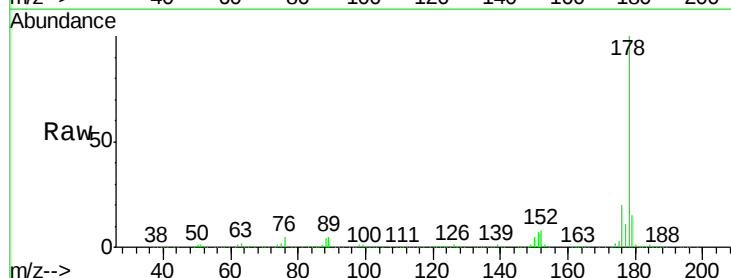
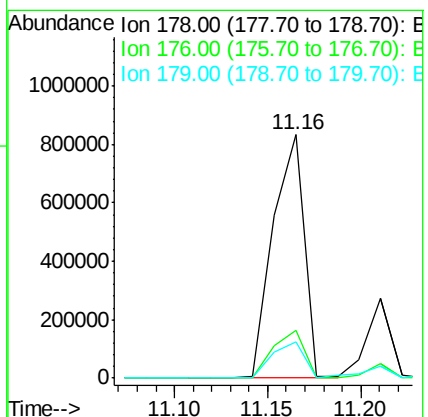
Manual Integrations
APPROVED

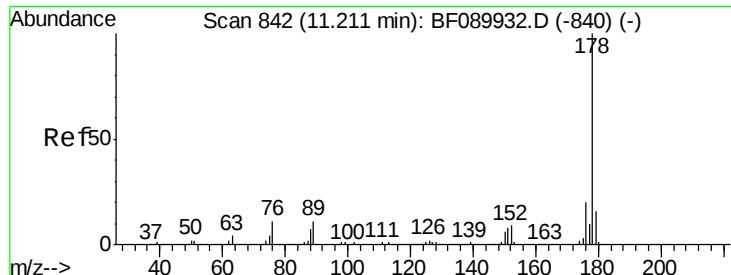
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#70
Phenanthrene
Concen: 32.49 ng
RT: 11.16 min Scan# 838
Delta R.T. 0.00 min
Lab File: BF089978.D
Acq: 2 Sep 2016 16:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	16.5	24.7
179	14.8	12.8	19.2





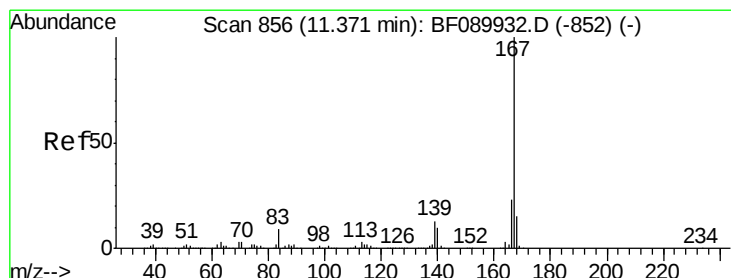
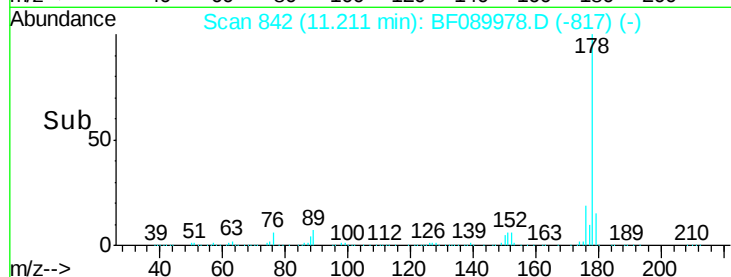
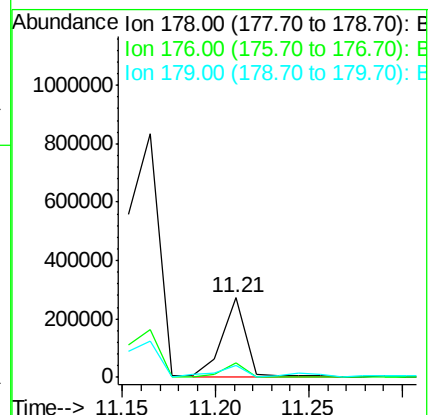
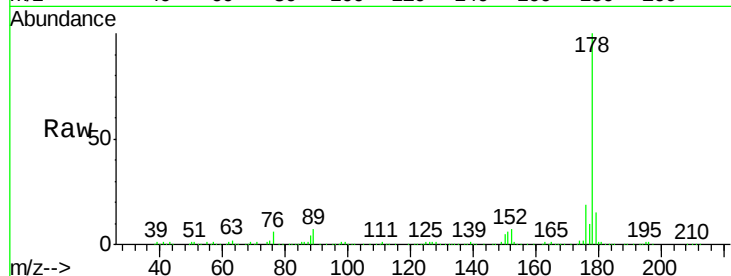
#71
 Anthracene
 Concen: 8.02 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF089978.D
 Acq: 2 Sep 2016 16:43

Instrument :
 BNA_F
 ClientSampleId :
 SOILSAMPLE-1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.3	13.0	19.4

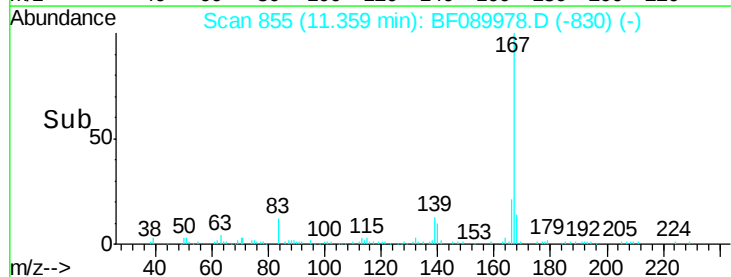
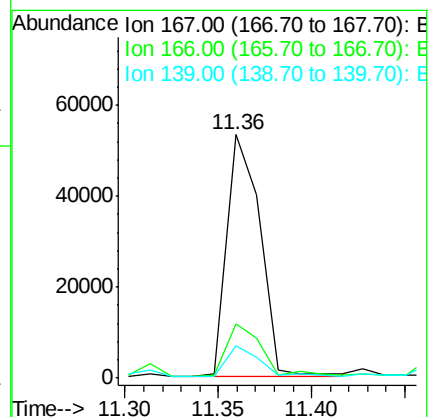
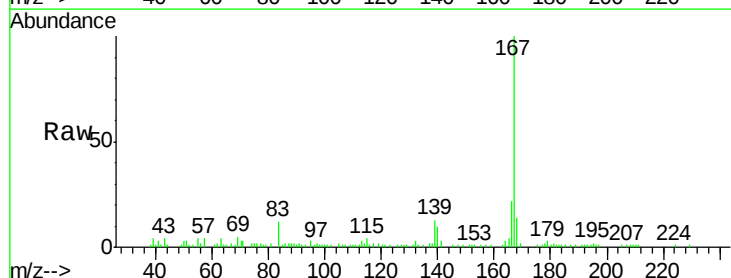
Manual Integrations
 APPROVED

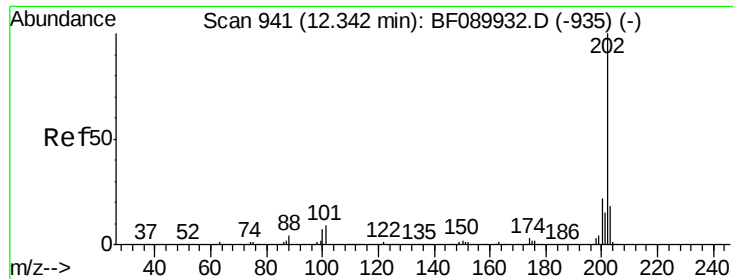
sohil
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#72
 Carbazole
 Concen: 2.33 ng
 RT: 11.36 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: BF089978.D
 Acq: 2 Sep 2016 16:43

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.1	27.1
139	13.3	10.4	15.6





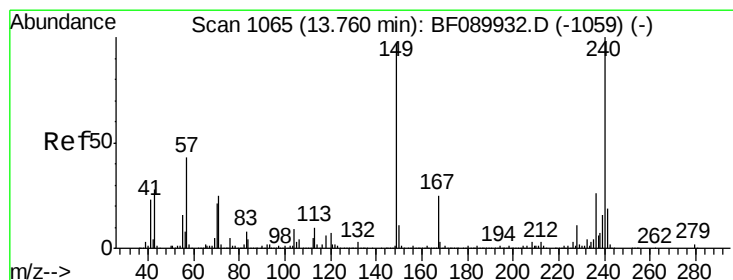
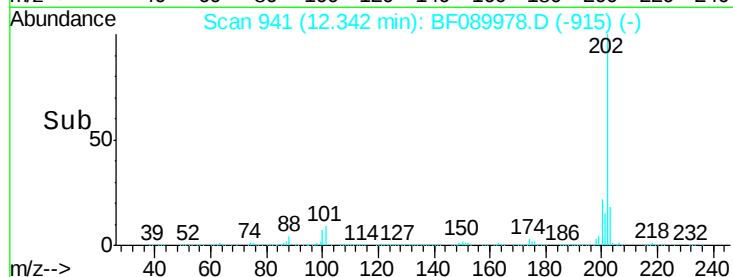
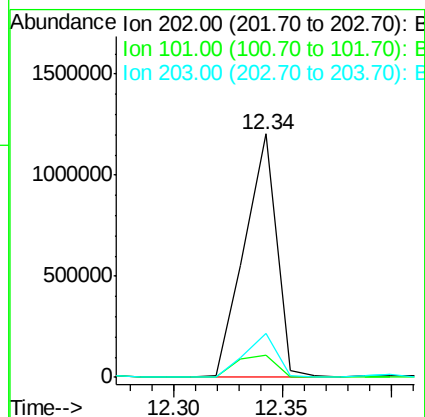
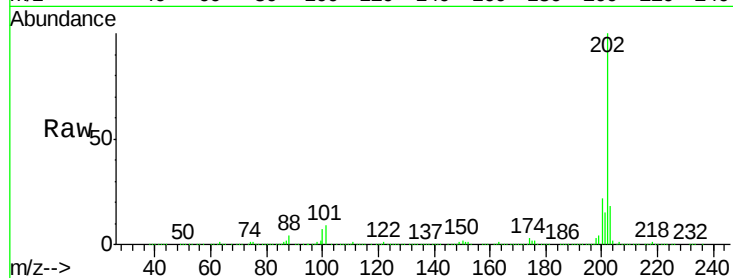
#74
Fluoranthene
Concen: 39.53 ng
RT: 12.34 min Scan# 941
Delta R.T. 0.00 min
Lab File: BF089978.D
Acq: 2 Sep 2016 16:43

Instrument :
BNA_F
ClientSampleId :
SOILSAMPLE-1

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1235673		
101	9.1	0.0	28.5	
203	17.8	0.0	38.0	

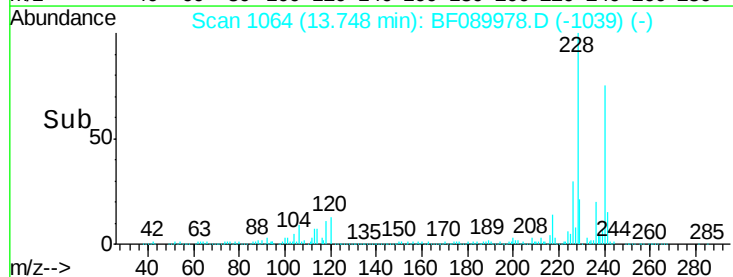
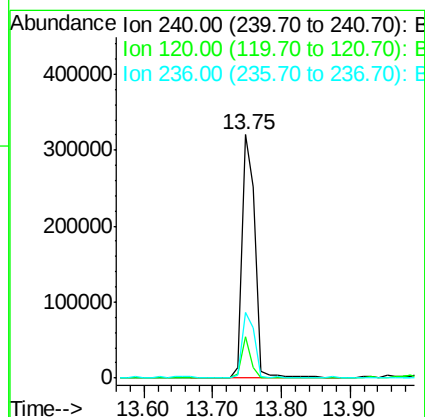
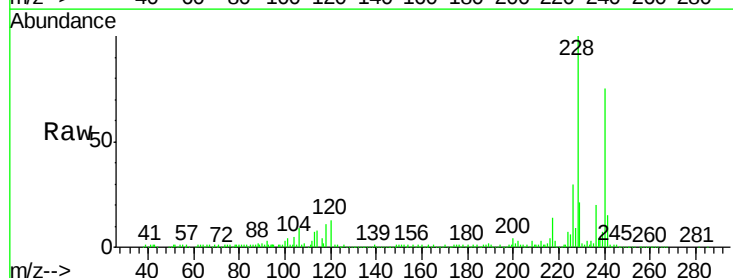
Manual Integrations
APPROVED

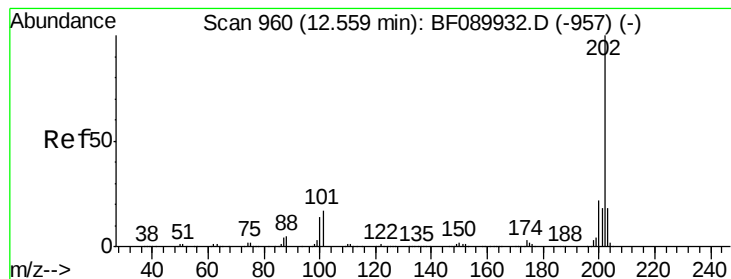
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF089978.D
Acq: 2 Sep 2016 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	418033		
120	17.0	5.7	8.5#	
236	27.1	21.3	31.9	





#77

Pyrene

Concen: 38.46 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF089978.D

Acq: 2 Sep 2016 16:43

Instrument :

BNA_F

ClientSampleId :

SOILSAMPLE-1

Tgt Ion:202 Resp: 1133723

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

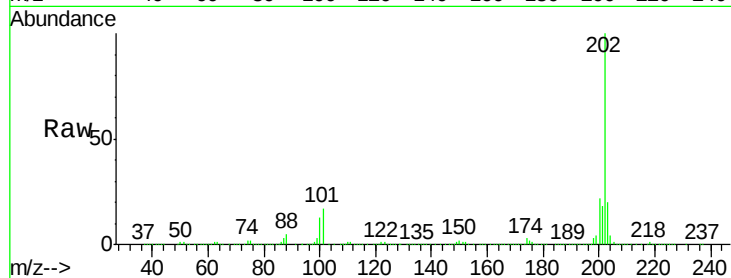
203 19.8 14.6 21.8

Manual Integrations

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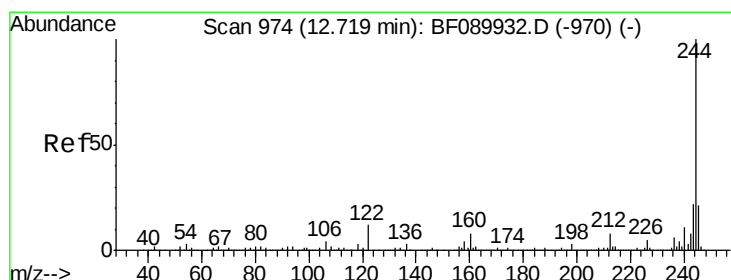
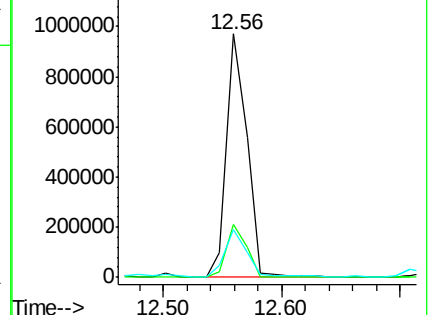
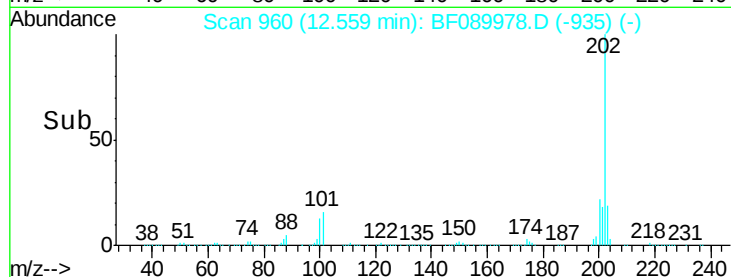
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 62.43 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF089978.D

Acq: 2 Sep 2016 16:43

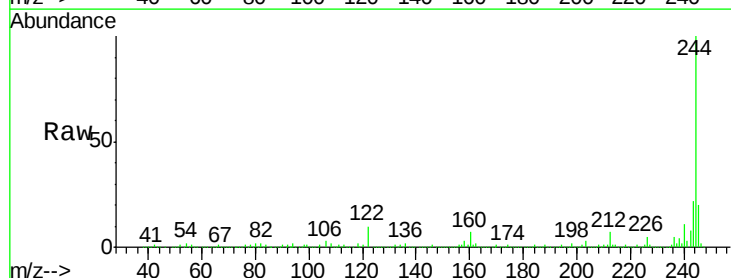
Tgt Ion:244 Resp: 1056500

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

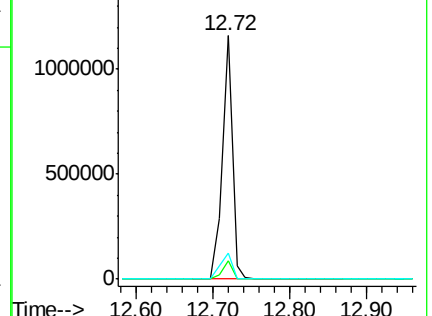
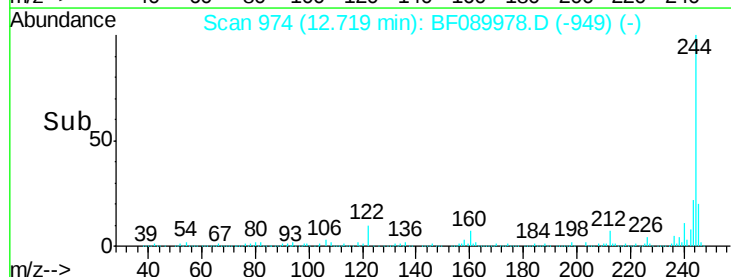
122 10.4 9.6 14.4

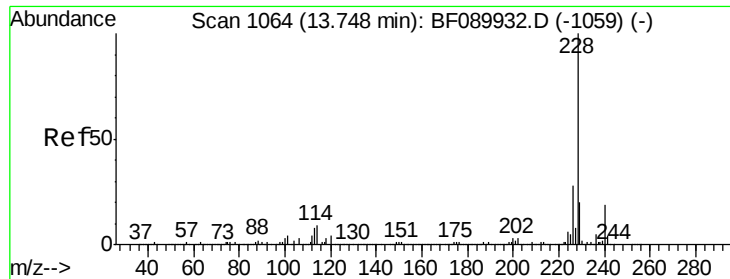


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





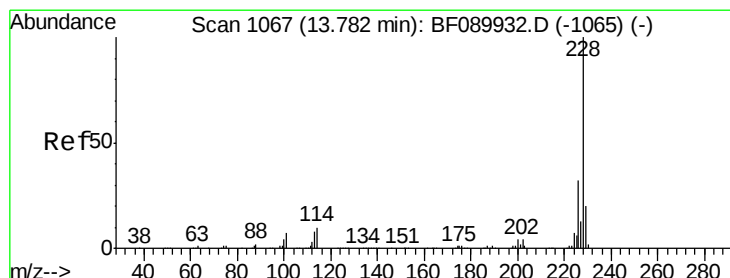
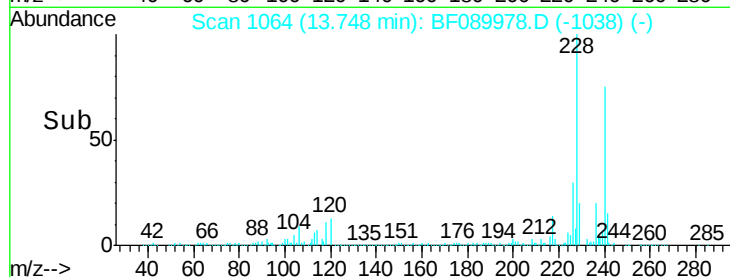
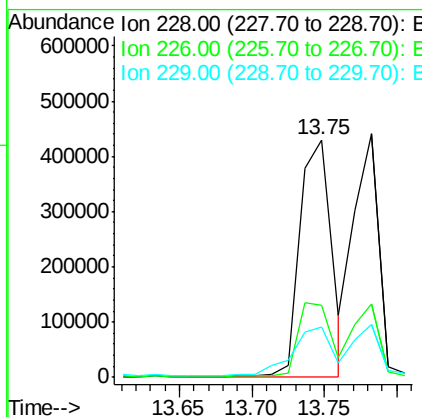
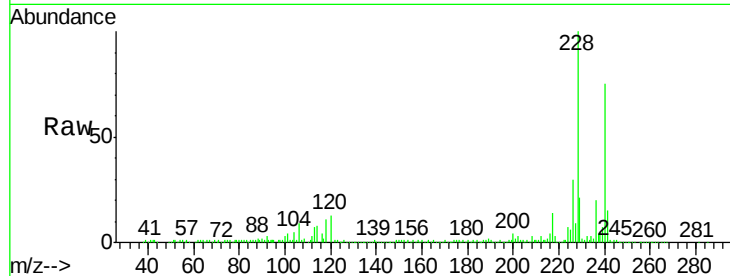
#80
Benzo(a)anthracene
Concen: 25.38 ng
RT: 13.75 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF089978.D
Acq: 2 Sep 2016 16:43

Instrument :
BNA_F
ClientSampleId :
SOILSAMPLE-1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.2	33.2
229	21.4	15.8	23.6

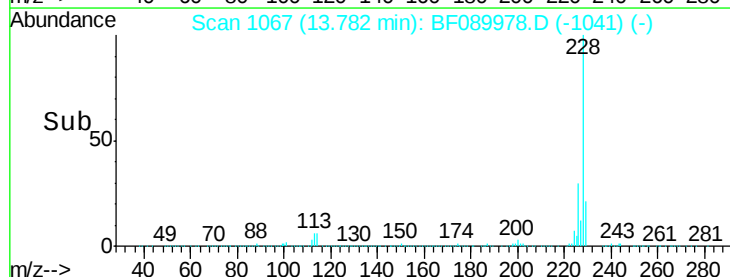
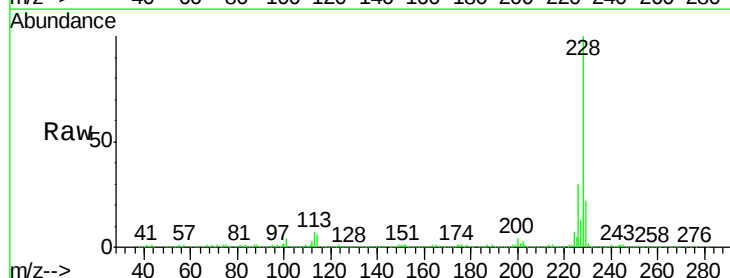
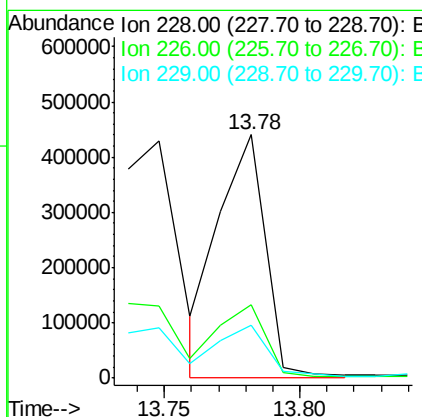
Manual Integrations
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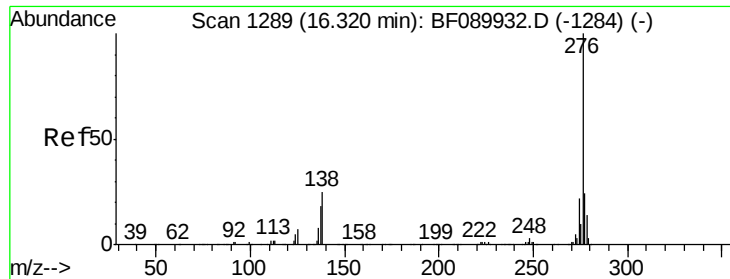
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#82
Chrysene
Concen: 22.23 ng m
RT: 13.78 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BF089978.D
Acq: 2 Sep 2016 16:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.2	37.8
229	21.7	16.2	24.2





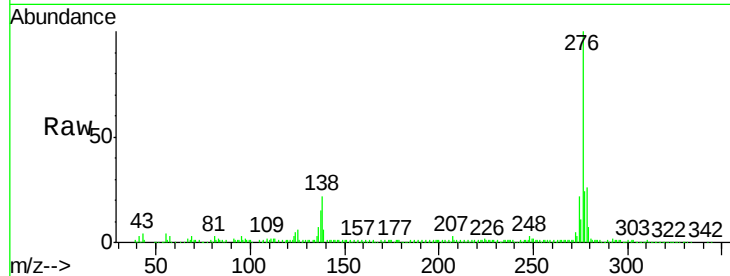
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.40 ng
 RT: 16.33 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: BF089978.D
 Acq: 2 Sep 2016 16:43

Instrument :
 BNA_F
 ClientSampleId :
 SOILSAMPLE-1

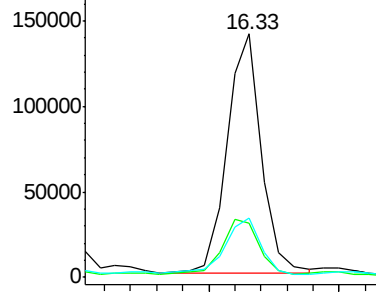
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	254631		
138	25.9	22.6	34.0	
277	24.8	20.1	30.1	

Manual Integrations
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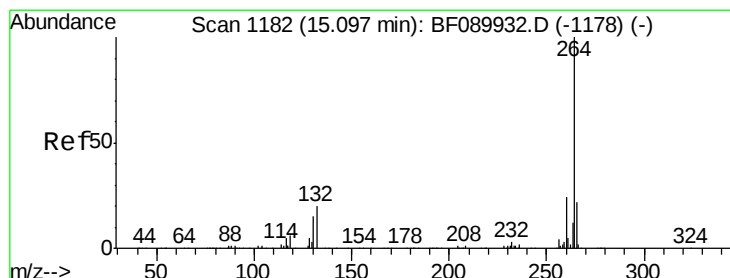
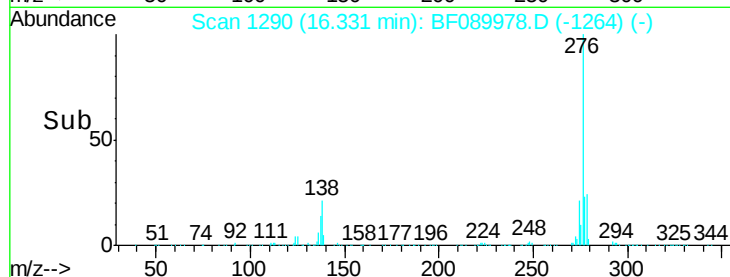
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

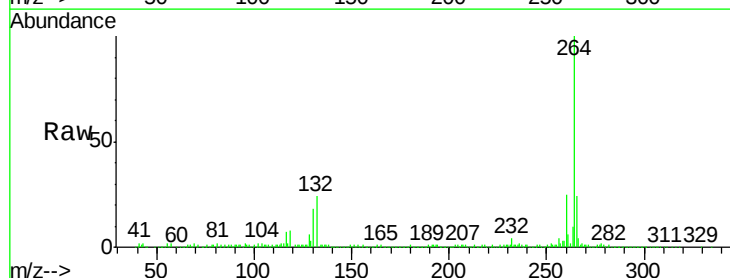


Time-->

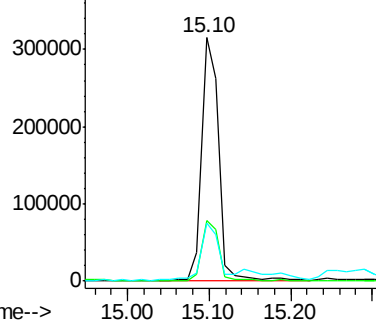


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: BF089978.D
 Acq: 2 Sep 2016 16:43

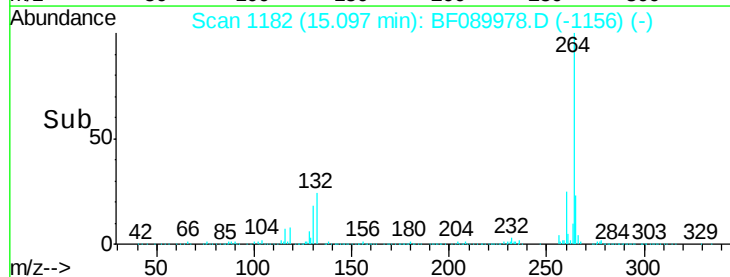
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	452267		
260	24.9	19.4	29.0	
265	23.6	17.4	26.2	

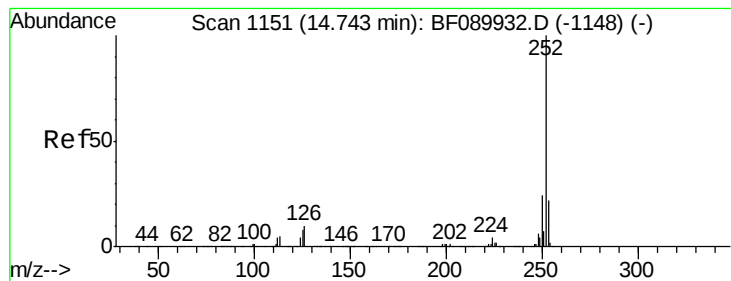


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time-->





#87

Benzo(b)fluoranthene

Concen: 24.08 ng m

RT: 14.74 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF089978.D

Acq: 2 Sep 2016 16:43

Instrument :

BNA_F

ClientSampleId :

SOILSAMPLE-1

Tgt Ion: 252 Resp: 682148
Ion Ratio Lower Upper

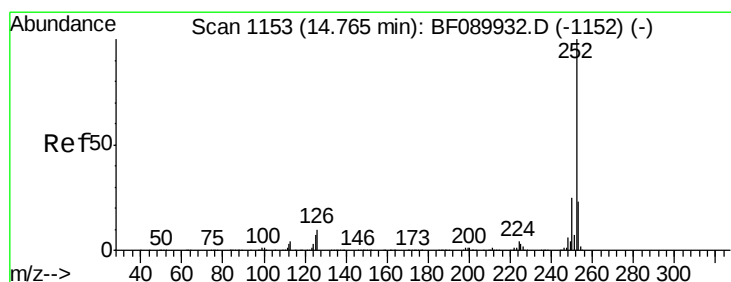
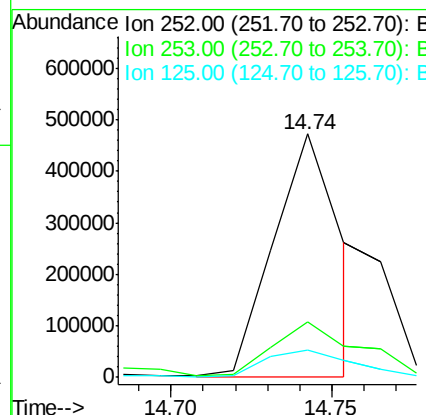
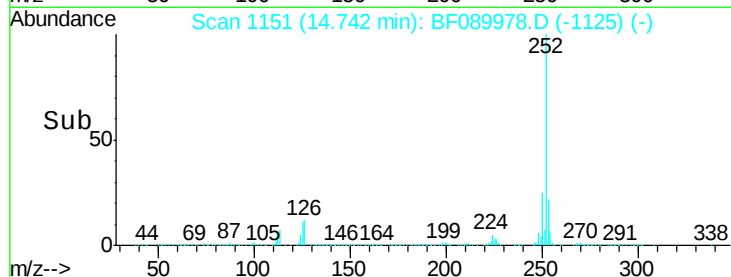
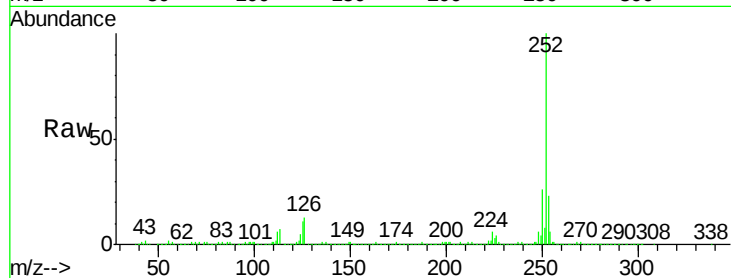
252 100

253 22.8 18.0 27.0

125 11.2 5.7 8.5#

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#88

Benzo(k)fluoranthene

Concen: 7.35 ng m

RT: 14.75 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF089978.D

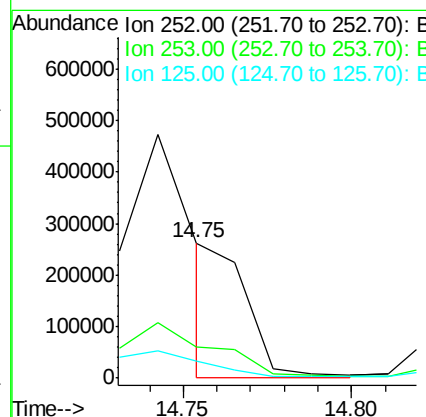
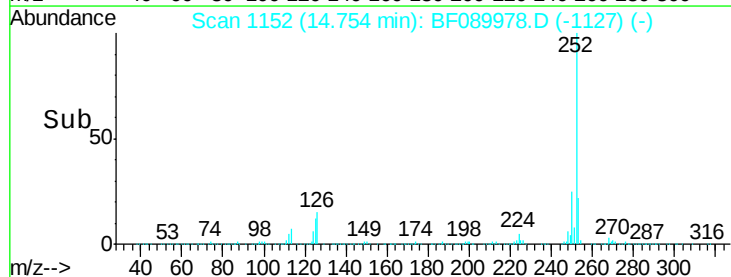
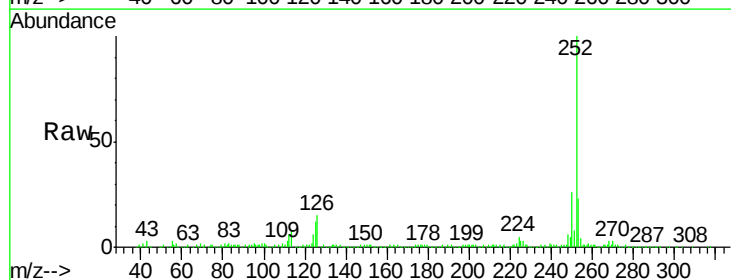
Acq: 2 Sep 2016 16:43

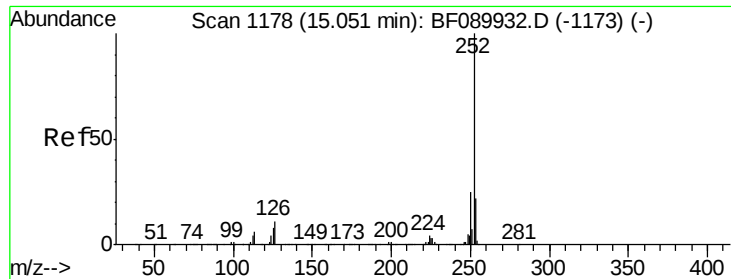
Tgt Ion: 252 Resp: 176739
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 12.4 7.3 10.9#





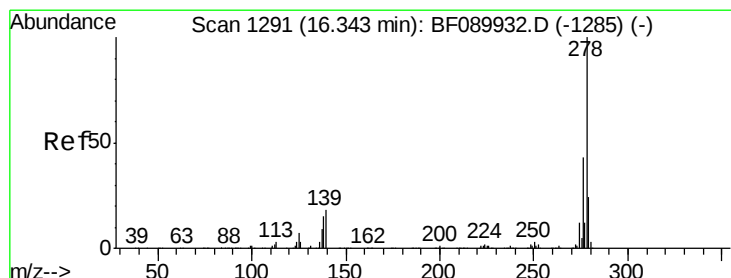
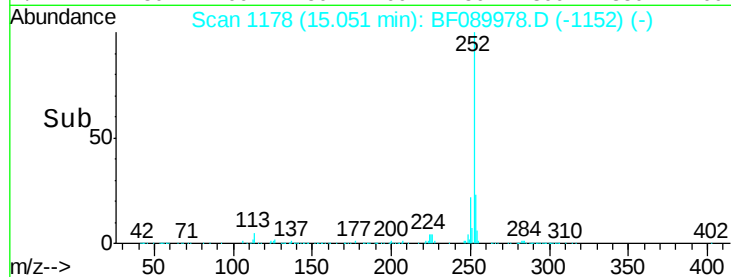
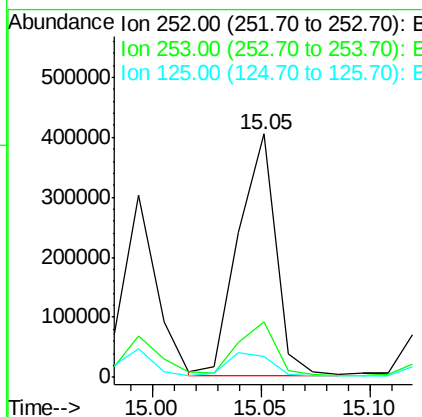
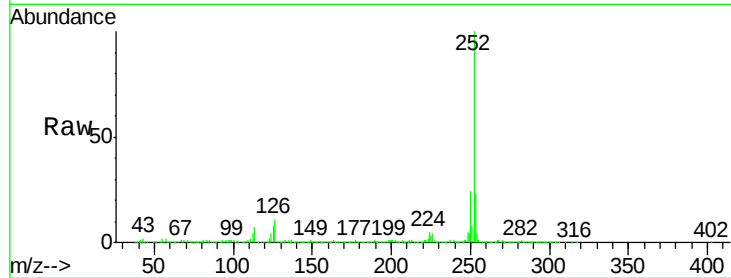
#89
Benzo(a)pyrene
Concen: 19.92 ng
RT: 15.05 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF089978.D
Acq: 2 Sep 2016 16:43

Instrument :
BNA_F
ClientSampleId :
SOILSAMPLE-1

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.8	17.5	26.3
125	8.4	6.3	9.5

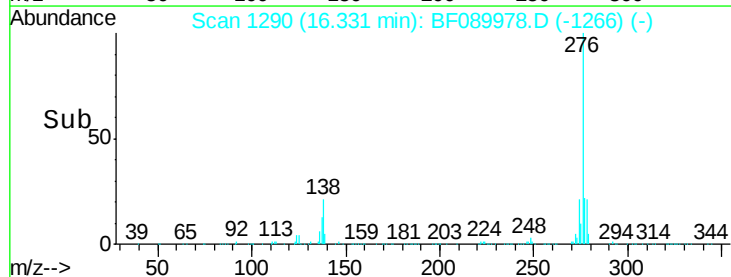
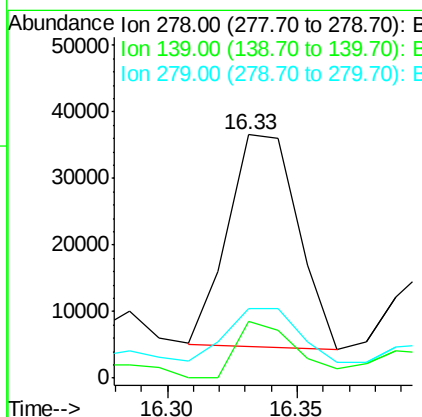
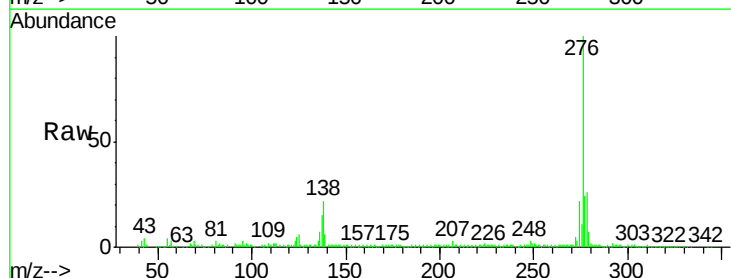
Manual Integrations
APPROVED

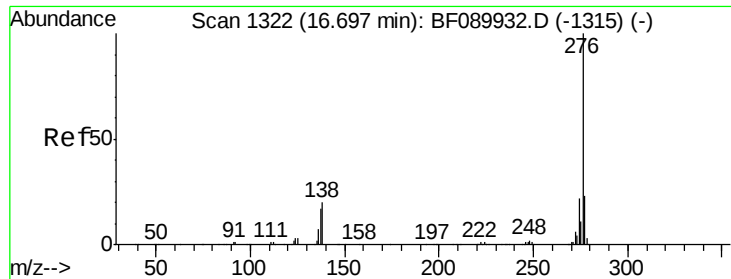
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#90
Dibenzo(a,h)anthracene
Concen: 3.34 ng m
RT: 16.33 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF089978.D
Acq: 2 Sep 2016 16:43

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	23.3	13.4	20.2#
279	28.5	19.4	29.2





#91
 Benzo(g,h,i)perylene
 Concen: 13.39 ng
 RT: 16.70 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF089978.D
 Acq: 2 Sep 2016 16:43

Instrument :
 BNA_F
 ClientSampleId :
 SOILSAMPLE-1

Tgt Ion:	276	Resp:	239682
Ion Ratio		Lower	Upper
276	100		
277	24.9	19.0	28.4
138	21.7	16.4	24.6

Manual Integrations
 APPROVED

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