

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
 Data File : BF084735.D
 Acq On : 2 Feb 2016 3:18
 Operator : SJ/IZ
 Sample : H1306-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01

Manual Integrations
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Quant Time: Feb 02 07:12:16 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	152600	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	503272	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	201503	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	388778	20.00	ng	0.01
75) Chrysene-d12	13.86	240	422846	20.00	ng	-0.01
86) Perylene-d12	15.24	264	328104	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1211947	123.70	ng	0.00
7) Phenol-d6	6.36	99	1370417	112.83	ng	-0.01
23) Nitrobenzene-d5	7.29	82	990161	110.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	265685	126.41	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1155073	104.61	ng	0.00
78) Terphenyl-d14	12.82	244	1084901	58.14	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.73	142	1290975	81.71	ng	# 95
45) 1,1'-Biphenyl	9.20	154	385708	21.43	ng	96
49) Dimethylphthalate	9.49	163	297052	19.36	ng	# 81
51) Acenaphthene	9.80	154	275497	21.05	ng	90
57) Fluorene	10.32	166	545842	40.87	ng	# 79
70) Phenanthrene	11.28	178	1240572m	57.53	ng	

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

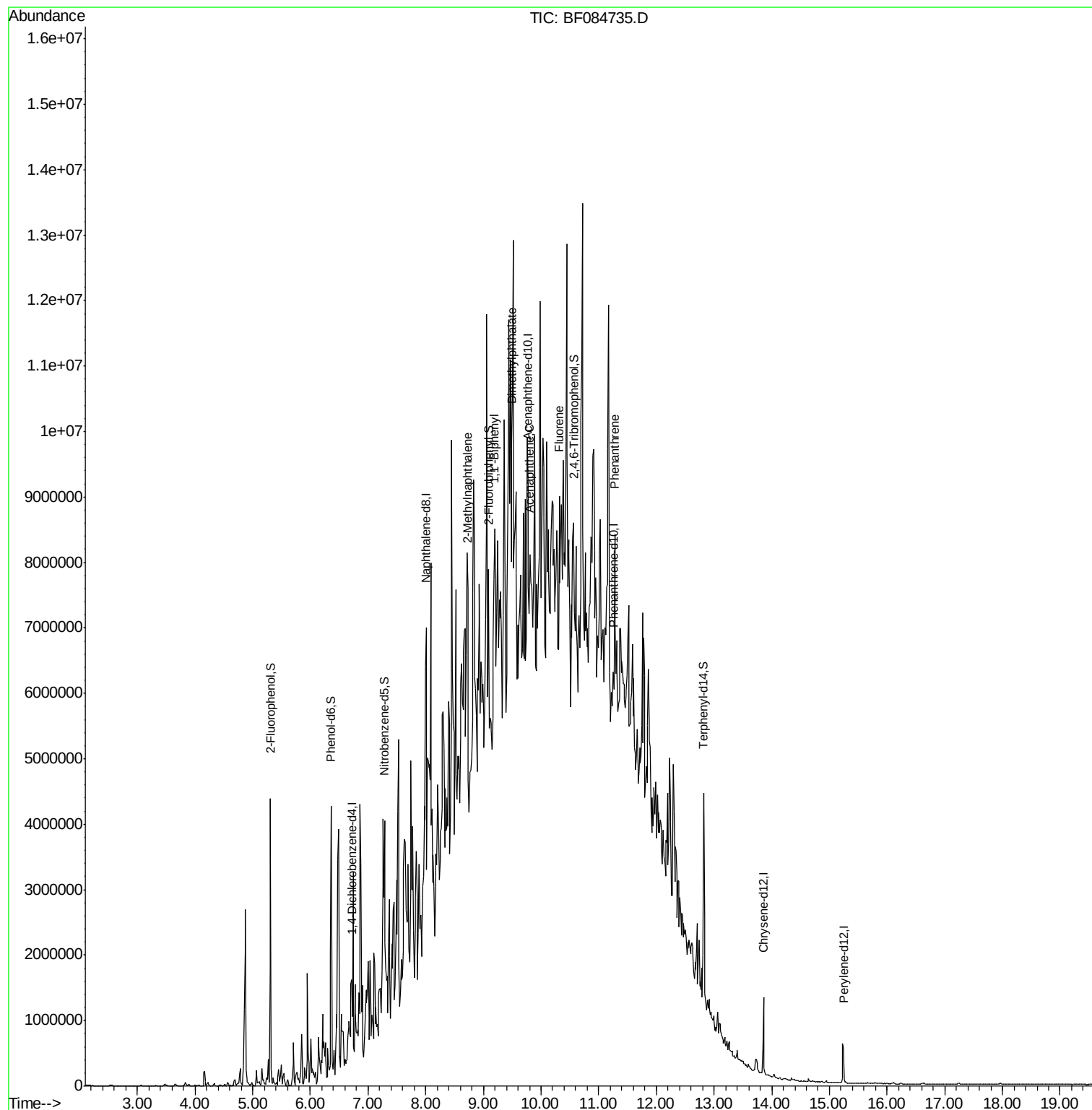
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084735.D
Acq On : 2 Feb 2016 3:18
Operator : SJ/IZ
Sample : H1306-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

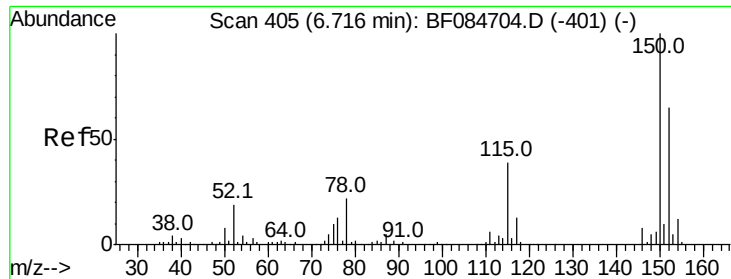
Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

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Quant Time: Feb 02 07:12:16 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

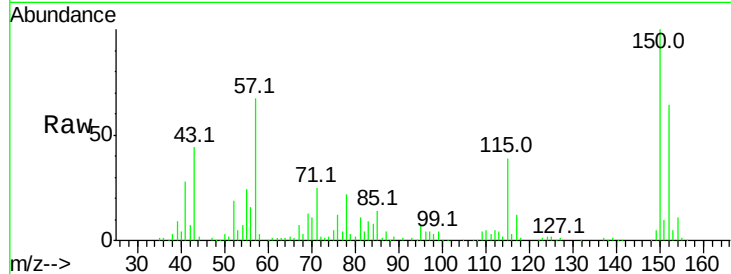
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 405
Delta R.T. -0.01 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	123.0	184.4
115	59.9	51.4	77.2

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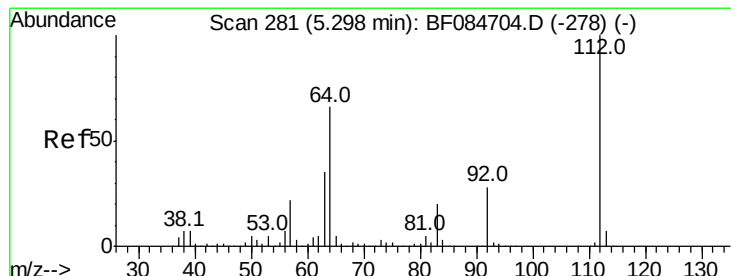
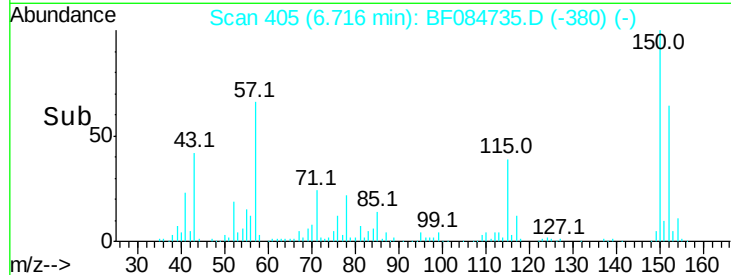
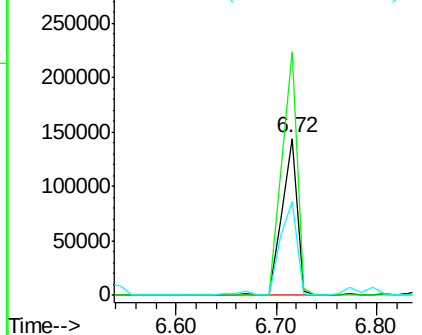


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

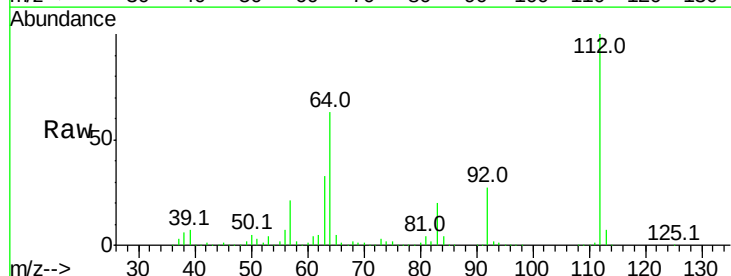
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.70 ng
RT: 5.31 min Scan# 282
Delta R.T. -0.00 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	36.6	55.0#
63	33.3	19.4	29.0#

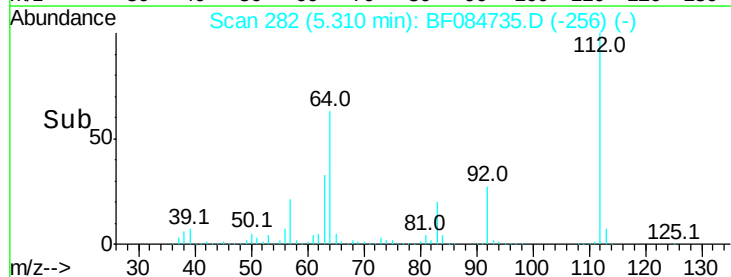
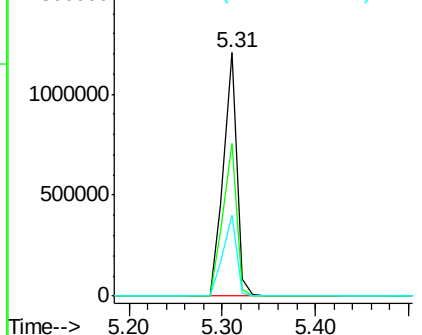


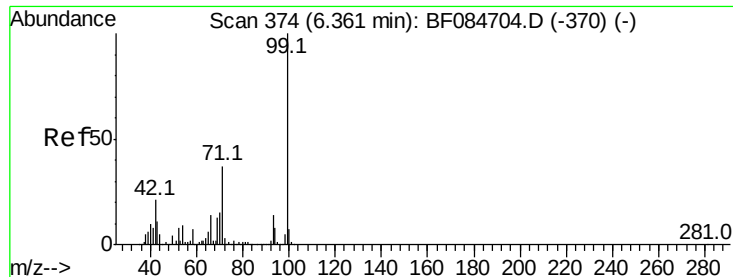
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.83 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

Tot Ion: 99 Resp: 1370417

Ion Ratio Lower Upper

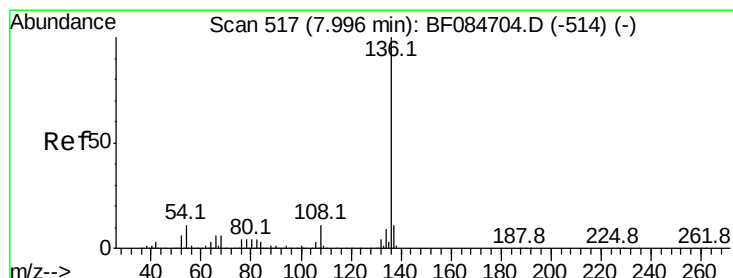
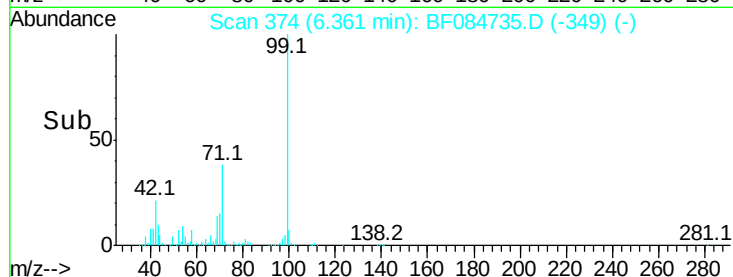
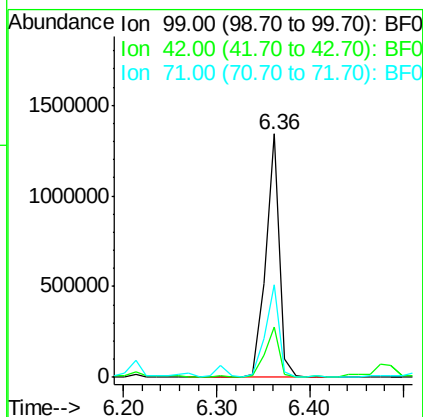
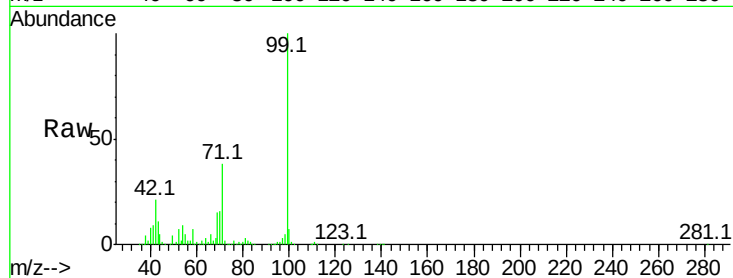
99 100

42 20.8 12.8 19.2#

71 38.1 30.9 46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Tgt Ion: 136 Resp: 503272

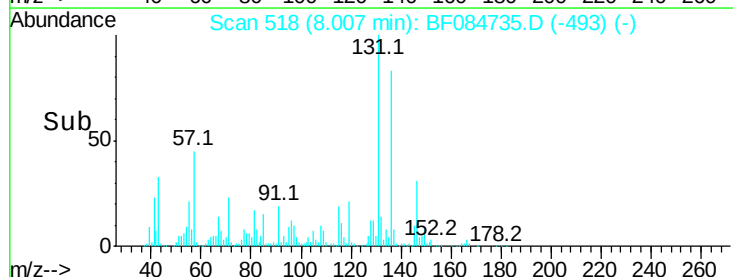
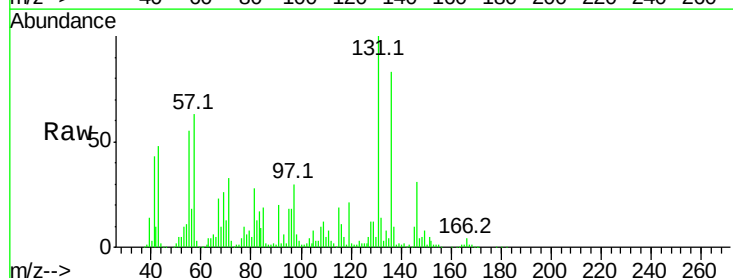
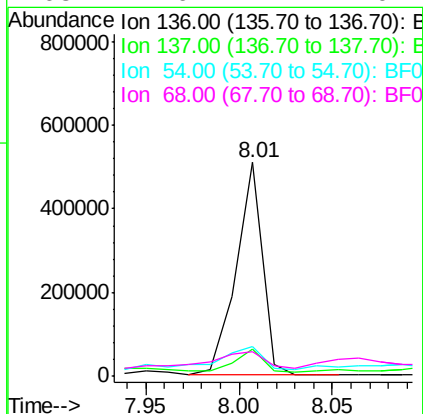
Ion Ratio Lower Upper

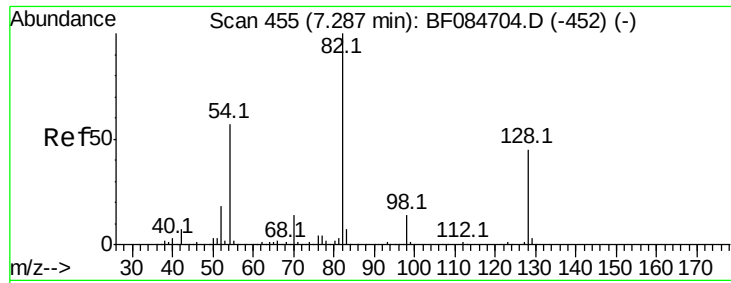
136 100

137 12.5 8.7 13.1

54 13.6 5.8 8.8#

68 11.6 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 110.83 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

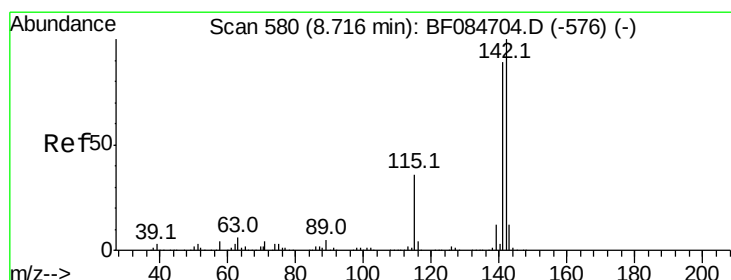
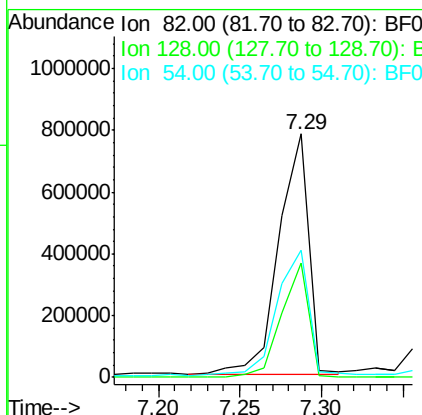
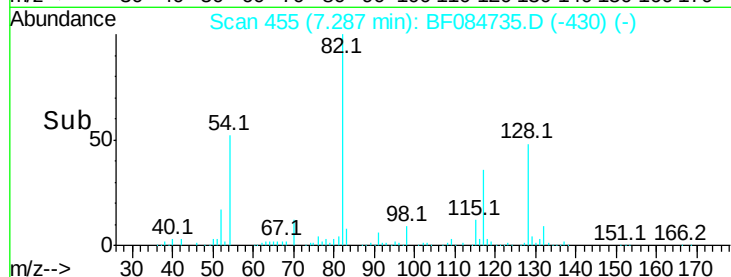
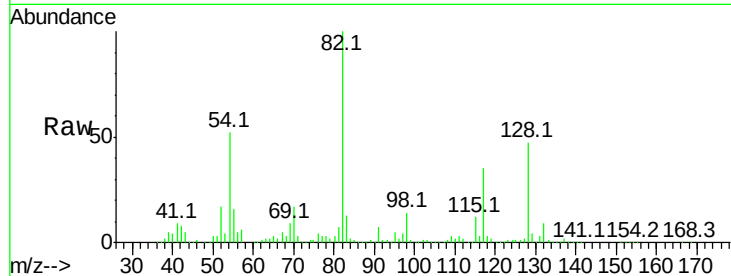
ClientSampleId :

BLFS-SOIL01

Tot Ion:	82	Resp:	990161
Ion Ratio		Lower	Upper
82	100		
128	47.1	34.6	51.8
54	52.4	38.4	57.6

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#37

2-Methylnaphthalene

Concen: 81.71 ng

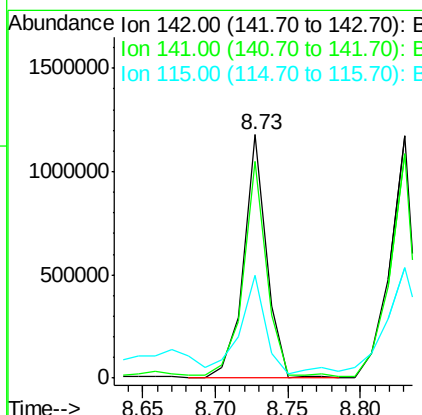
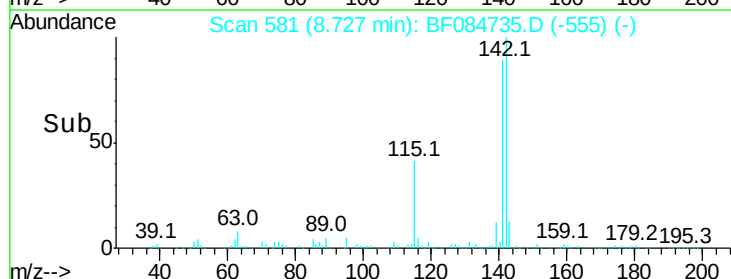
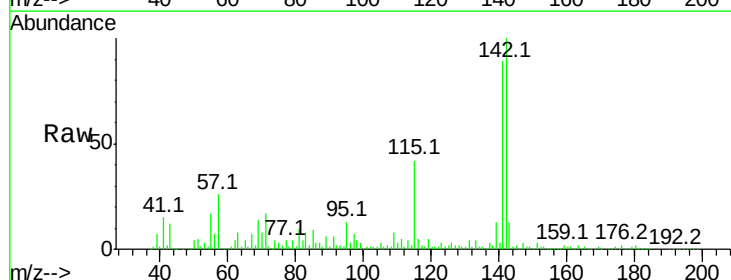
RT: 8.73 min Scan# 581

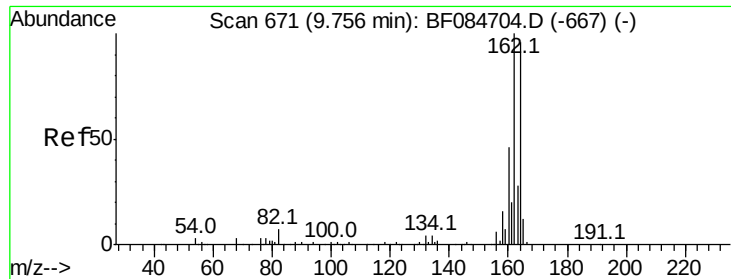
Delta R.T. -0.00 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Tgt Ion:	142	Resp:	1290975
Ion Ratio		Lower	Upper
142	100		
141	89.0	72.4	108.6
115	42.1	27.9	41.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

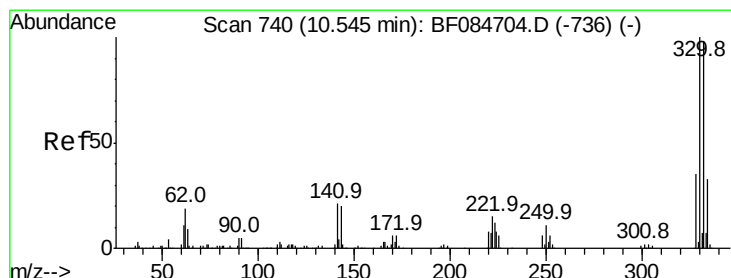
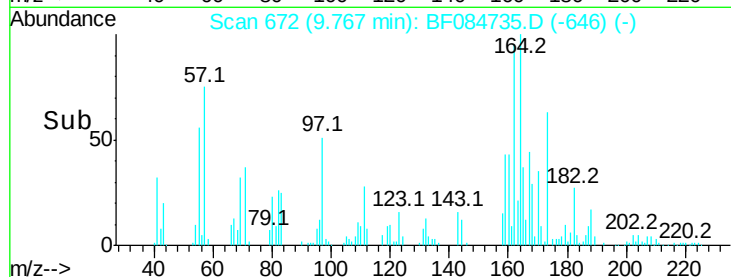
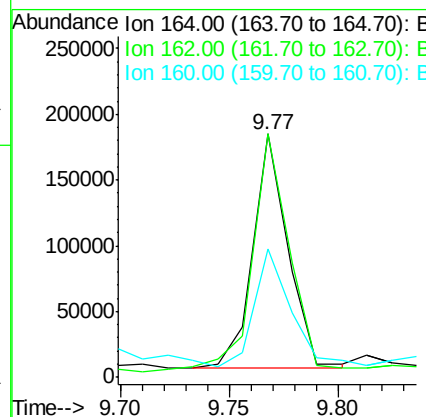
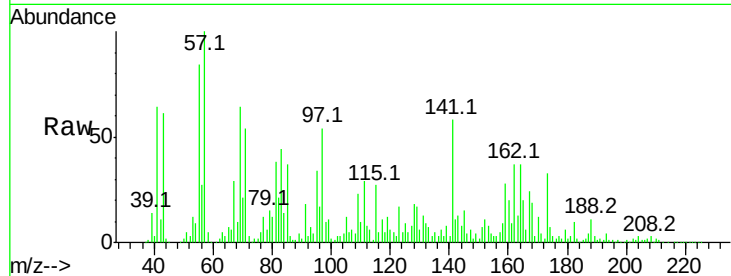
ClientSampleId :

BLFS-SOIL01

Tot Ion:	164	Resp:	201503
Ion Ratio	Lower	Upper	
164	100		
162	100.0	85.1	127.7
160	52.9	37.5	56.3

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#41

2,4,6-Tribromophenol

Concen: 126.41 ng

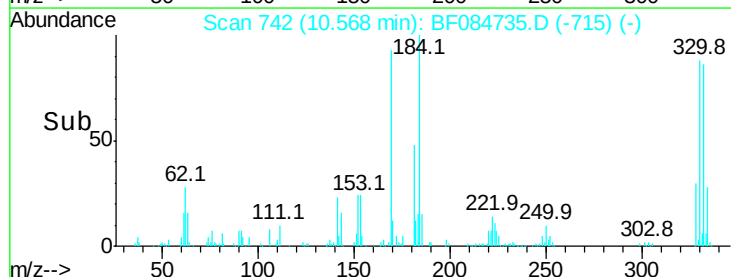
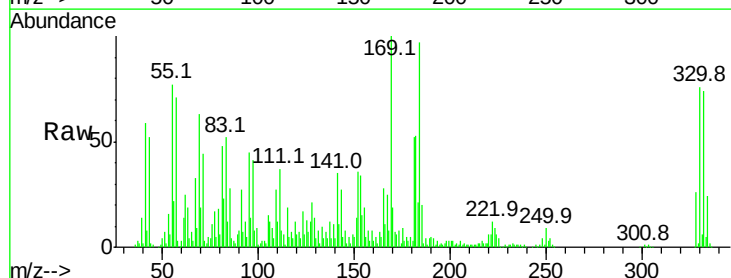
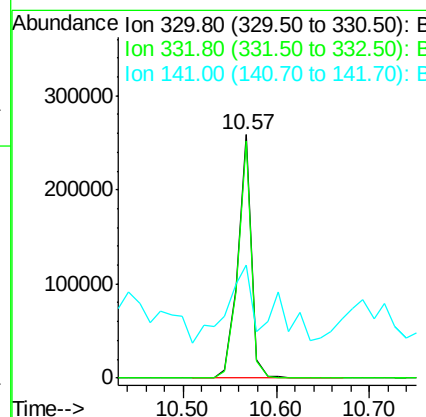
RT: 10.57 min Scan# 742

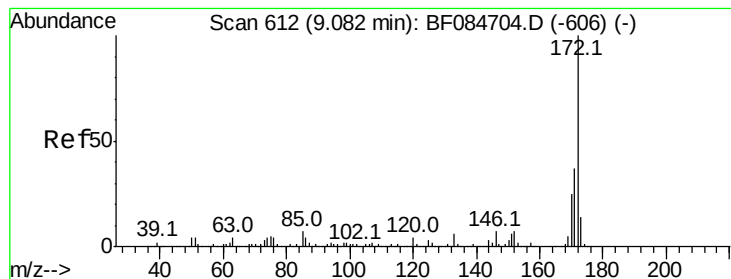
Delta R.T. 0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Tgt Ion:	330	Resp:	265685
Ion Ratio	Lower	Upper	
330	100		
332	97.0	76.6	114.8
141	64.0	27.8	41.6#





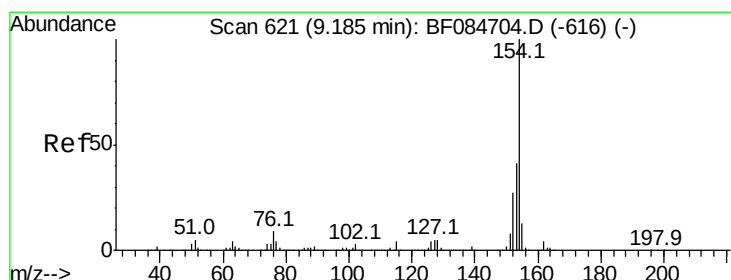
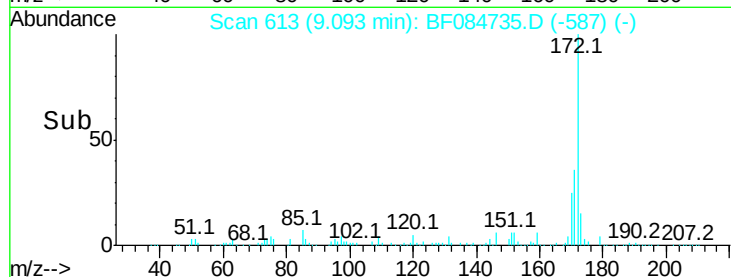
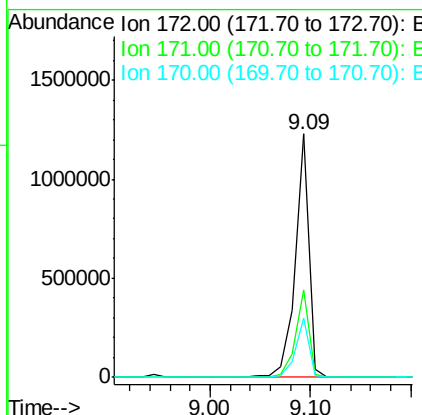
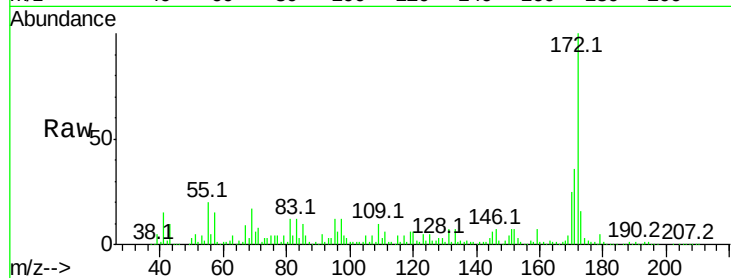
#44
2-Fluorobiphenyl
Concen: 104.61 ng
RT: 9.09 min Scan# 613
Delta R.T. 0.00 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

Tot Ion:172 Resp: 1155073
Ion Ratio Lower Upper
172 100
171 35.9 28.9 43.3
170 24.6 18.6 27.8

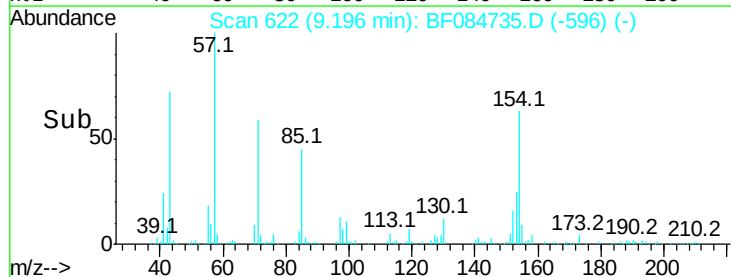
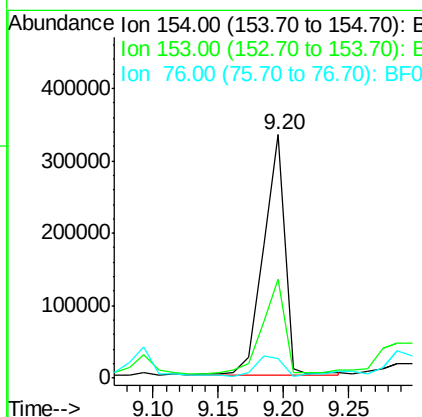
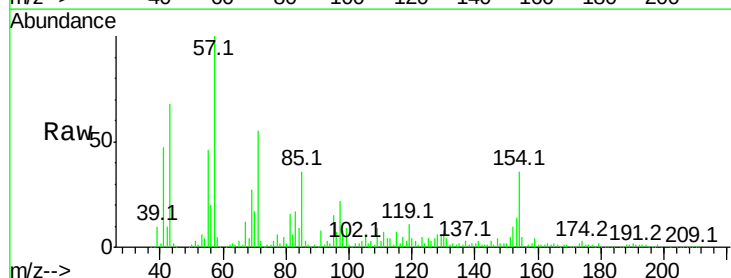
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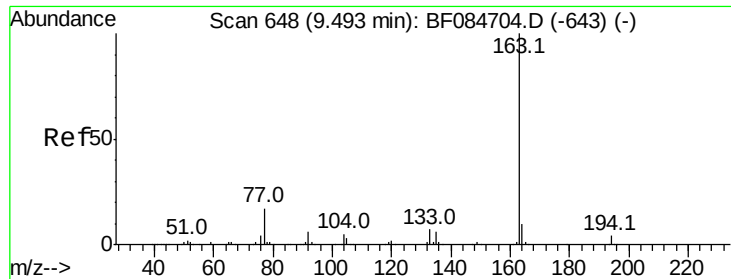
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#45
1,1'-Biphenyl
Concen: 21.43 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.00 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

Tgt Ion:154 Resp: 385708
Ion Ratio Lower Upper
154 100
153 40.6 21.6 61.6
76 8.2 0.0 32.7





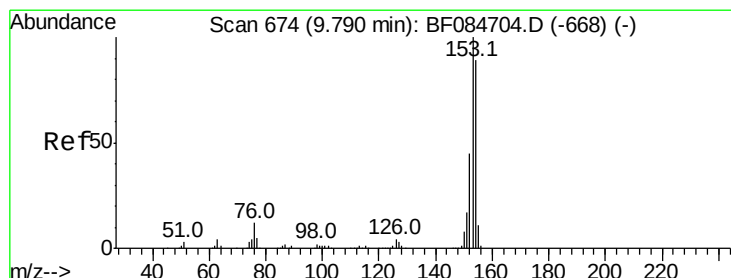
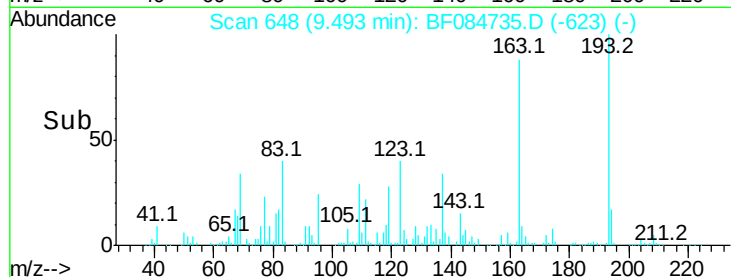
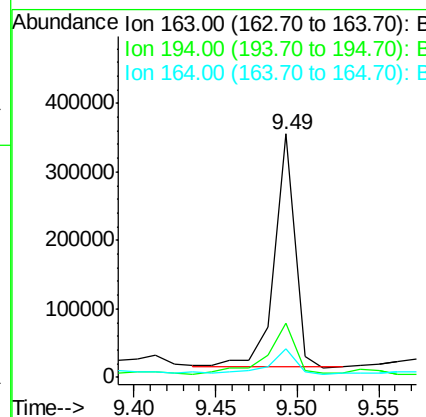
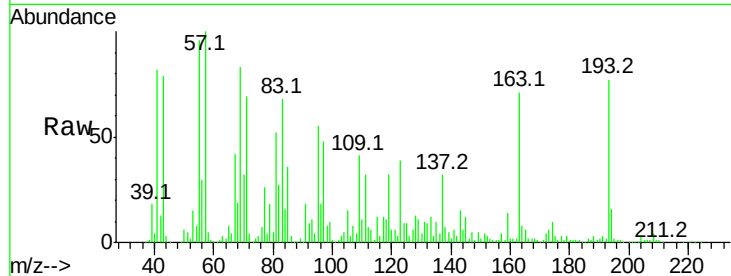
#49
Dimethylphthalate
Concen: 19.36 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

Instrument :
BNA_F
ClientSampleId :
BLFS-SOIL01

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	22.3	8.0	12.0#
164	11.5	8.0	12.0

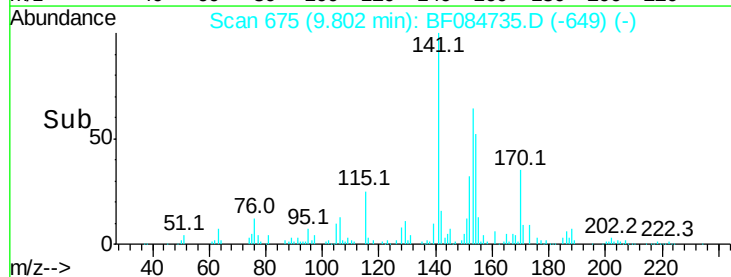
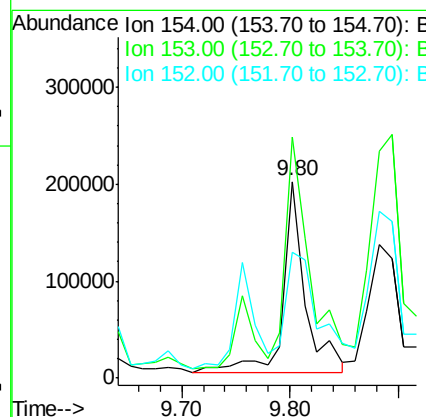
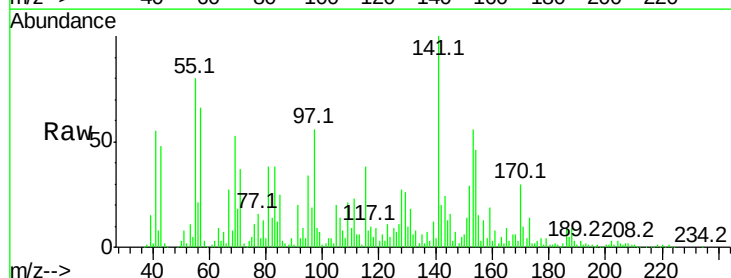
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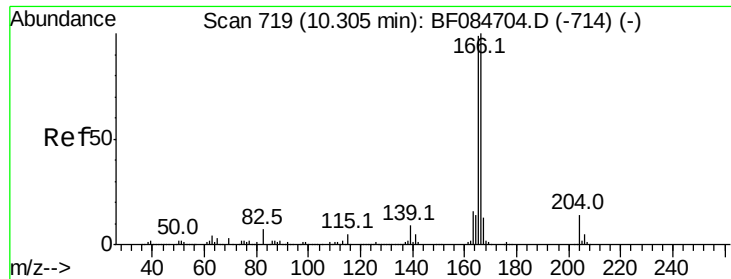
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#51
Acenaphthene
Concen: 21.05 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.00 min
Lab File: BF084735.D
Acq: 2 Feb 2016 3:18

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	122.8	91.5	137.3
152	64.0	43.0	64.6





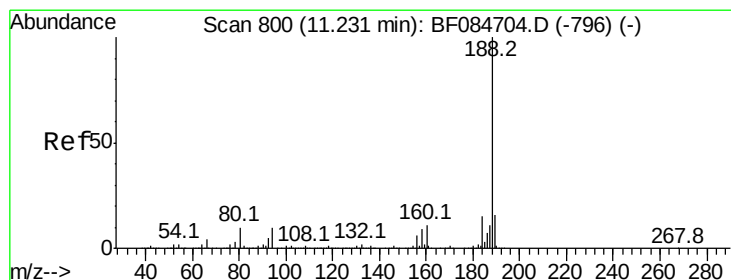
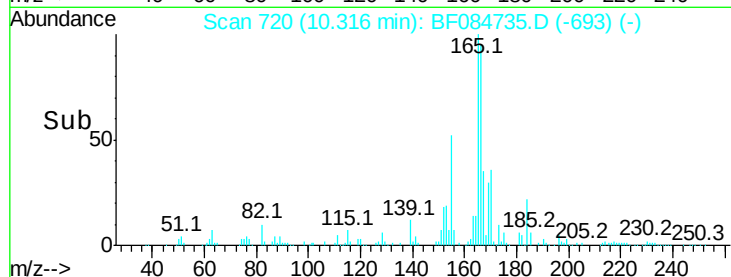
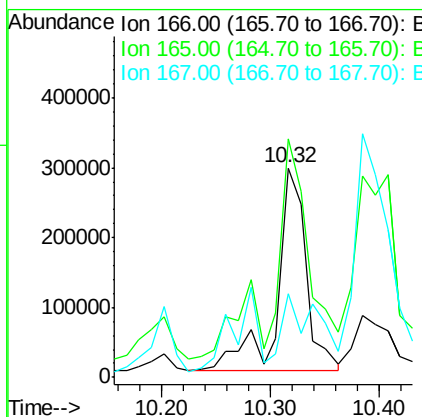
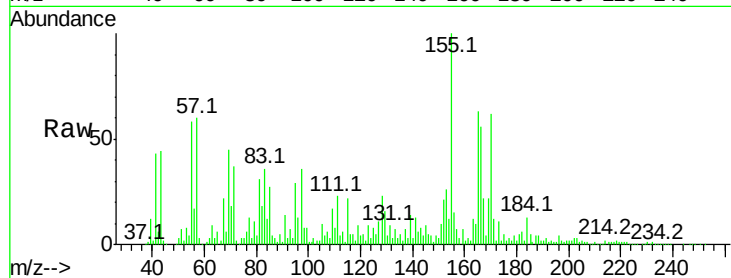
#57
 Fluorene
 Concen: 40.87 ng
 RT: 10.32 min Scan# 720
 Delta R.T. 0.01 min
 Lab File: BF084735.D
 Acq: 2 Feb 2016 3:18

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-SOIL01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	114.0	79.1	118.7		
167	40.1	10.4	15.6		

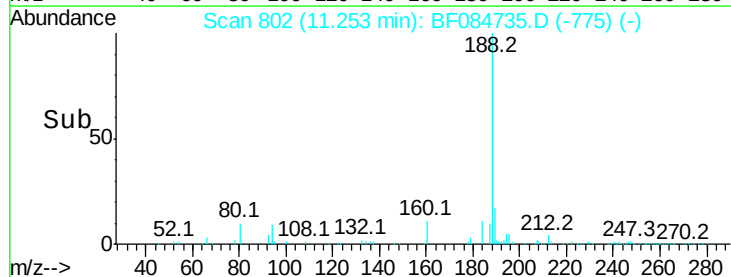
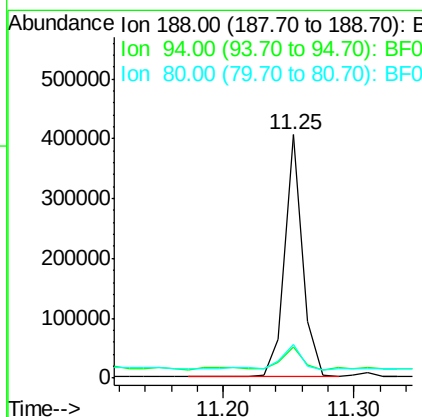
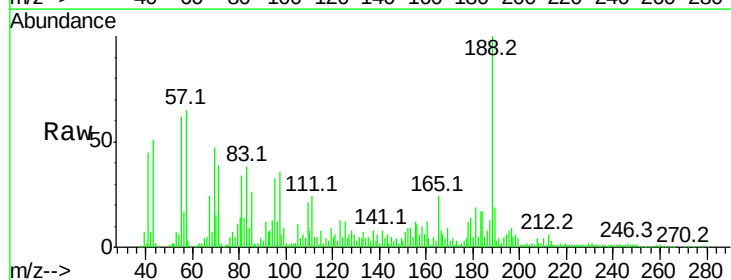
Manual Integrations
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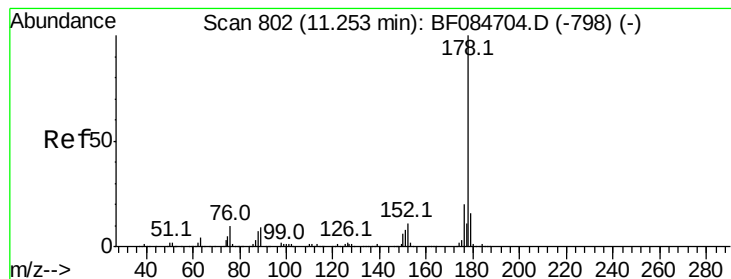
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. 0.01 min
 Lab File: BF084735.D
 Acq: 2 Feb 2016 3:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	12.9	9.0	13.4		
80	13.8	9.6	14.4		





#70

Phenanthrene

Concen: 57.53 ng m

RT: 11.28 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampled :

BLFS-SOIL01

Tot Ion:178 Resp: 1240572

Ion Ratio Lower Upper

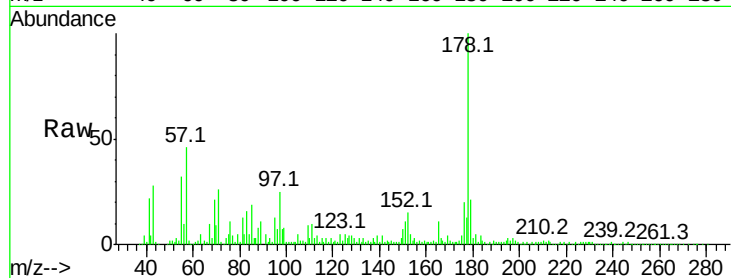
178 100

176 20.3 15.3 22.9

179 20.6 12.0 18.0#

Manual Integrations
APPROVED

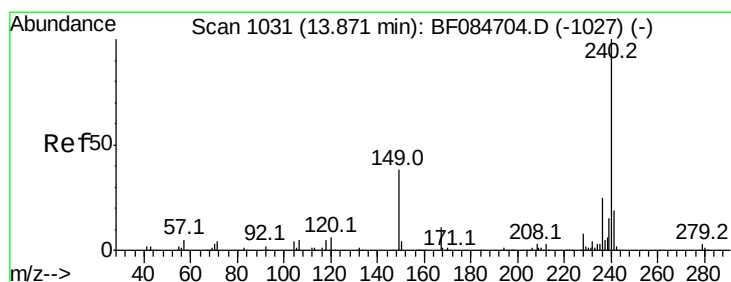
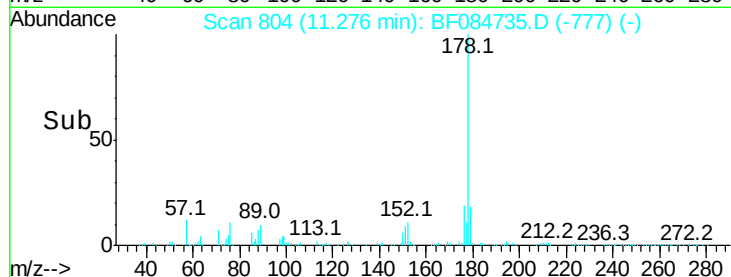
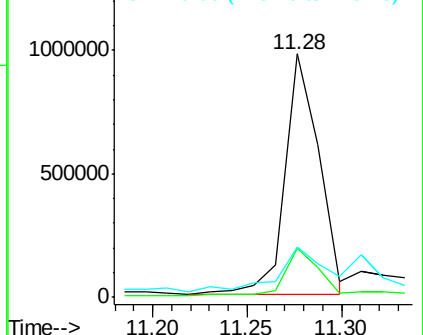
mohammad
2/2/2016 4:18:47 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

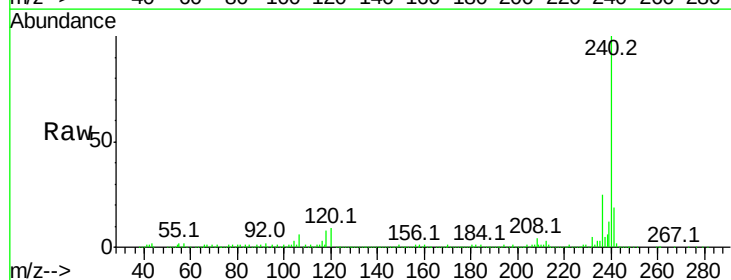
Tgt Ion:240 Resp: 422846

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

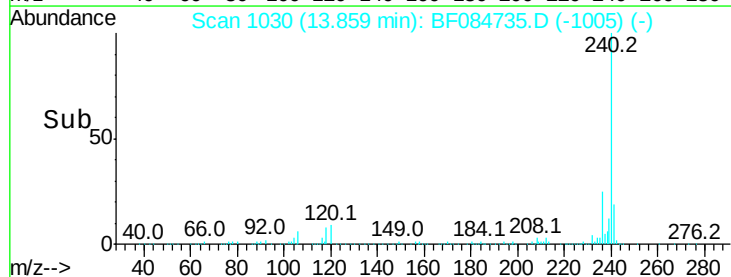
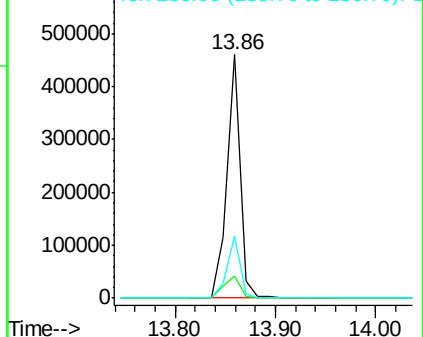
236 25.3 20.6 31.0

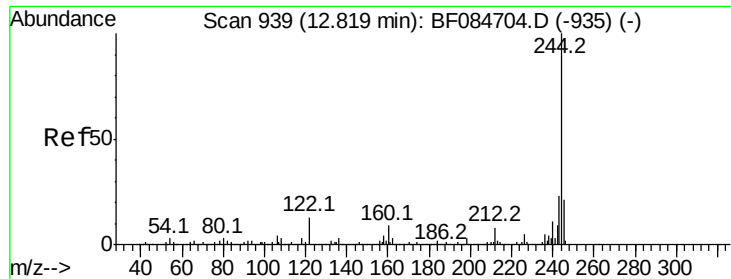


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 58.14 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

Instrument :

BNA_F

ClientSampleId :

BLFS-SOIL01

Tot Ion:244 Resp: 1084901

Ion Ratio Lower Upper

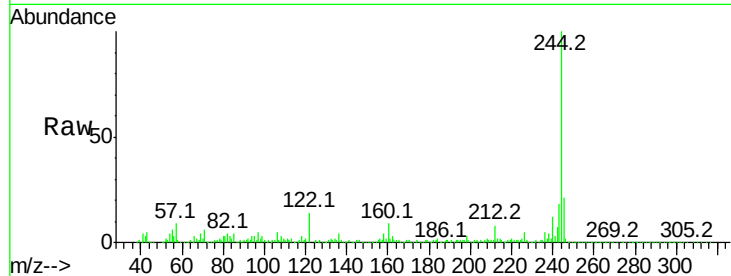
244 100

212 7.6 5.7 8.5

122 14.0 7.4 11.0#

Manual Integrations
APPROVED

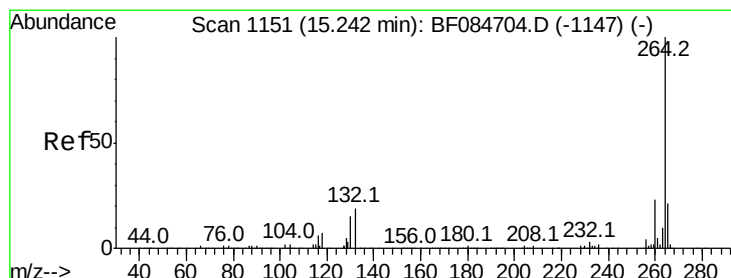
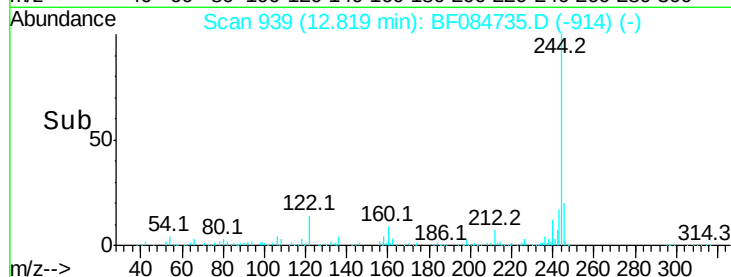
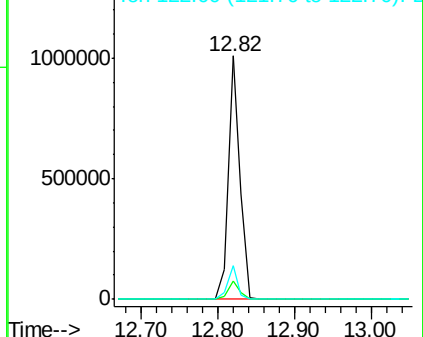
mohammad
2/2/2016 4:18:47 PM



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.24 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF084735.D

Acq: 2 Feb 2016 3:18

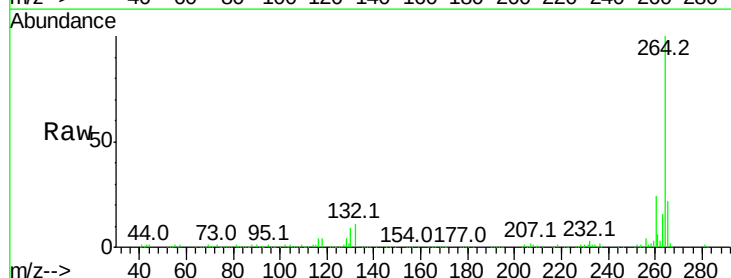
Tgt Ion:264 Resp: 328104

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.8 17.8 26.6



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

