

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
 Data File : BF090894.D
 Acq On : 28 Oct 2016 3:52
 Operator : UM/SJ
 Sample : H5436-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCC41-TOPSOIL

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Quant Time: Oct 28 05:39:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 18:46:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	138274	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	529409	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	255676	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	300499	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	314140	20.00	ng	-0.02
86) Perylene-d12	15.35	264	253027	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1181127	149.35	ng	0.00
7) Phenol-d6	6.42	99	1241342	116.34	ng	0.00
23) Nitrobenzene-d5	7.34	82	843332	104.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	234911	89.40	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1308707	89.88	ng	-0.01
78) Terphenyl-d14	12.89	244	1071847	85.96	ng	-0.01
Target Compounds						
10) Phenol	6.43	94	47395	4.03	ng	# 68
49) Dimethylphthalate	9.54	163	316632	18.54	ng	# 97
74) Fluoranthene	12.51	202	57764	3.45	ng	90
77) Pyrene	12.74	202	51380	2.58	ng	96
80) Benzo(a)anthracene	13.93	228	36191	2.17	ng	# 89
82) Chrysene	13.96	228	35518m	2.11	ng	
87) Benzo(b)fluoranthene	14.95	252	44270m	2.60	ng	

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.00 min

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Acq: 28 Oct 2016 3:52

Instrument :

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ClientSampleId :

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Tot Ion:152 Resp: 138274
Ion Ratio Lower Upper

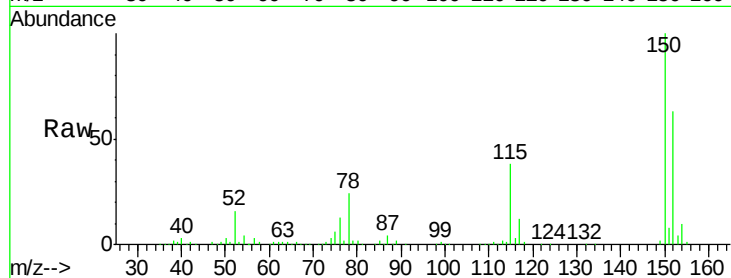
152 100

150 159.7 124.7 187.1

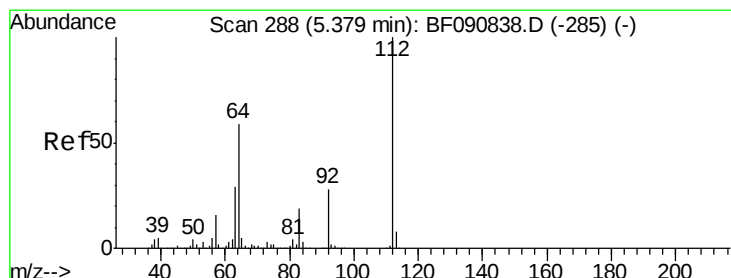
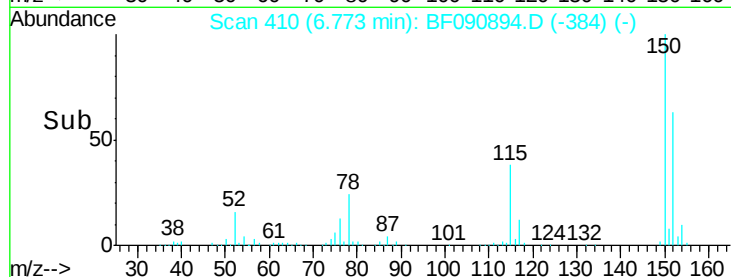
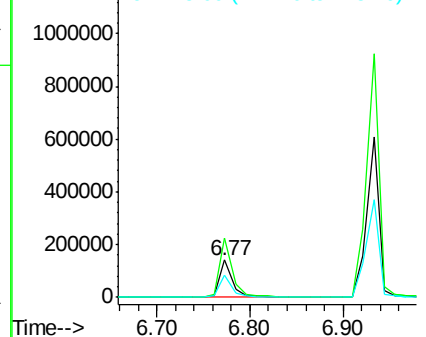
115 61.5 39.0 58.4#

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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: 149.35 ng

RT: 5.37 min Scan# 287

Delta R.T. -0.00 min

Lab File: BF090894.D

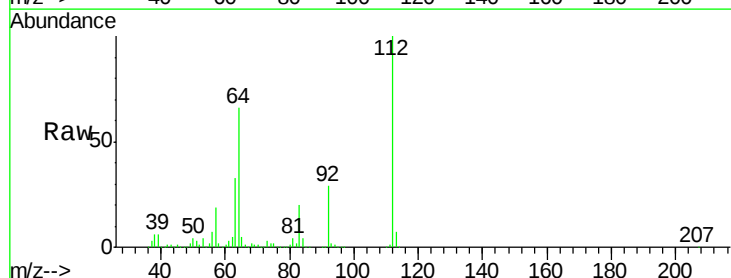
Acq: 28 Oct 2016 3:52

Tgt Ion:112 Resp: 1181127
Ion Ratio Lower Upper

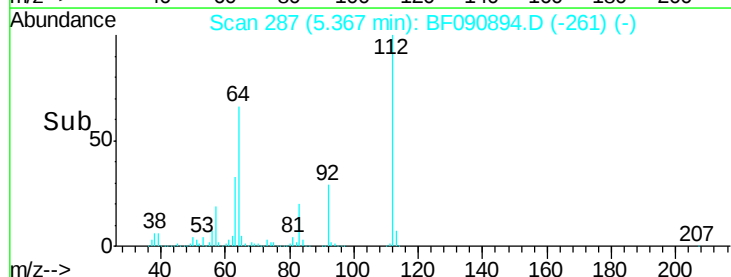
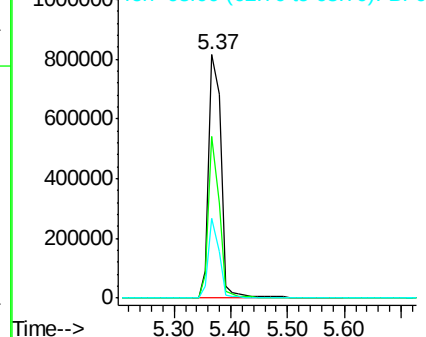
112 100

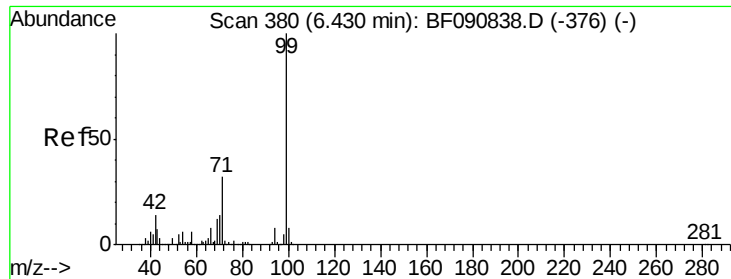
64 66.3 39.7 59.5#

63 32.6 17.4 26.0#



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: 116.34 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Instrument :

BNA_F

ClientSampleId :

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Tot Ion: 99 Resp: 1241342

Ion Ratio Lower Upper

99 100

42 14.3 13.7 20.5

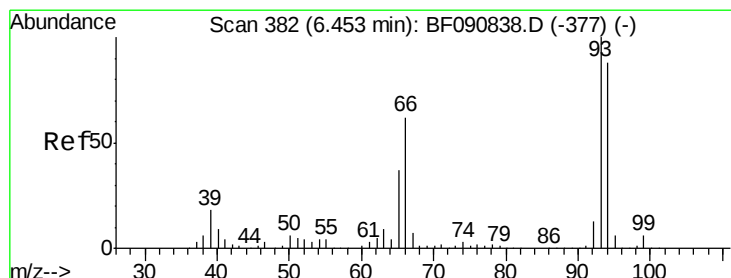
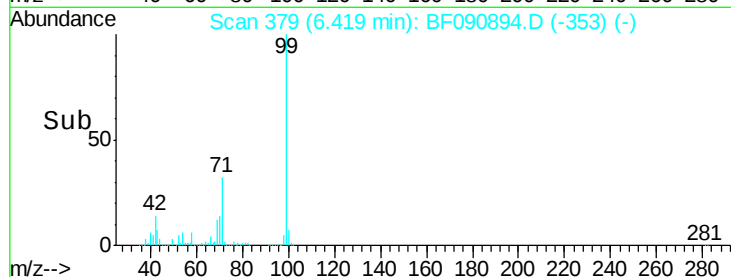
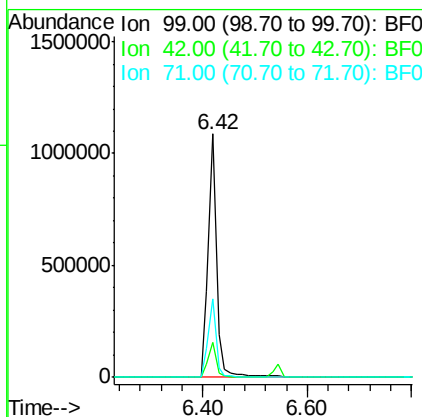
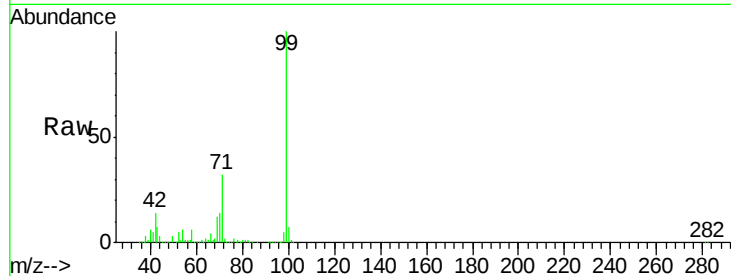
71 32.2 14.2 21.2#

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#10

Phenol

Concen: 4.03 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

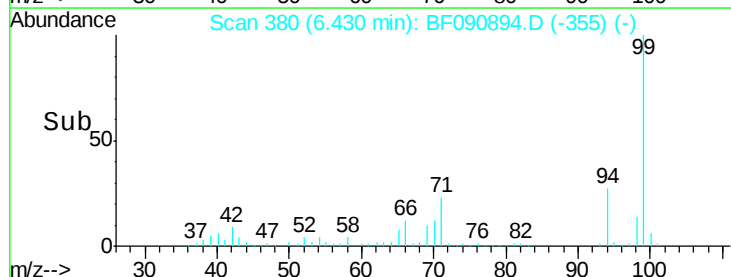
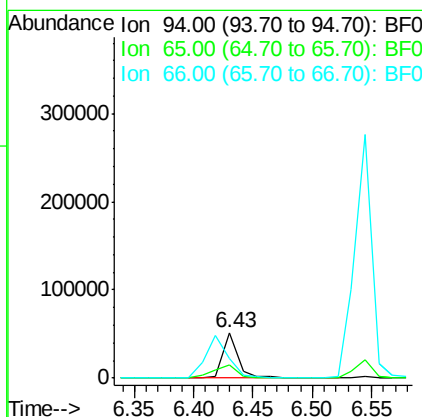
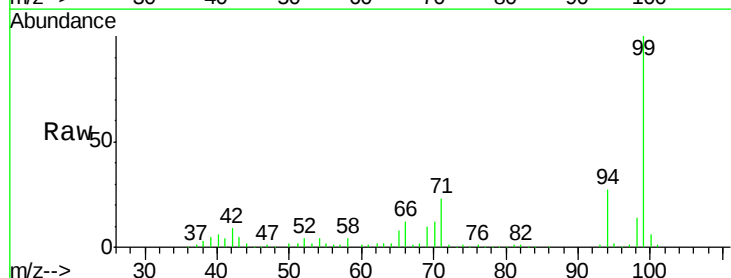
Tgt Ion: 94 Resp: 47395

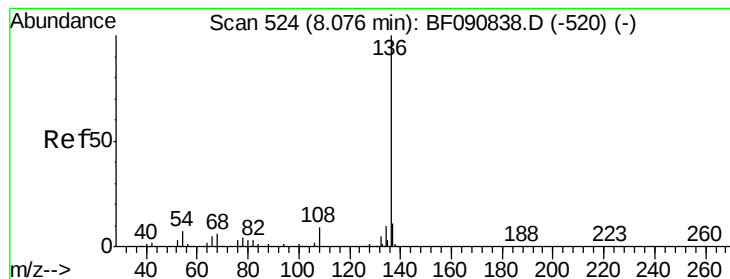
Ion Ratio Lower Upper

94 100

65 27.8 0.7 40.7

66 43.2 0.8 40.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF090894.D

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Instrument :

BNA_F

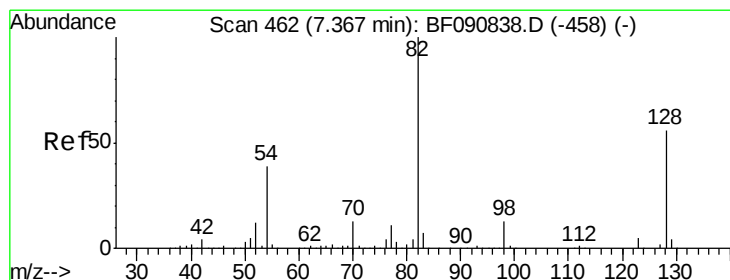
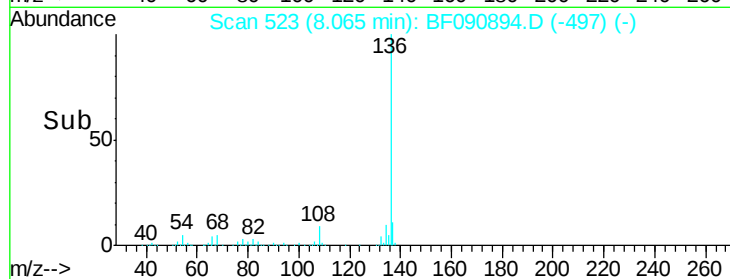
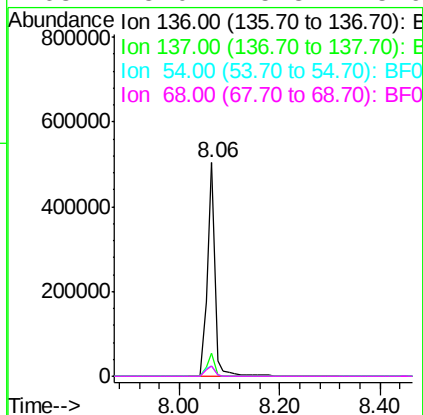
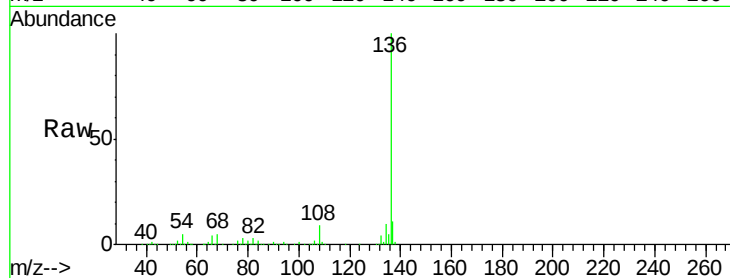
ClientSampleId :

NCC41-TOPSOIL

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	9.0	13.6
54	5.1	8.2	12.2#
68	5.0	5.8	8.6#

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#23

Nitrobenzene-d5

Concen: 104.28 ng

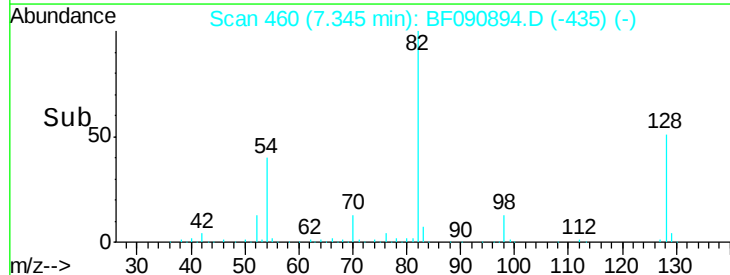
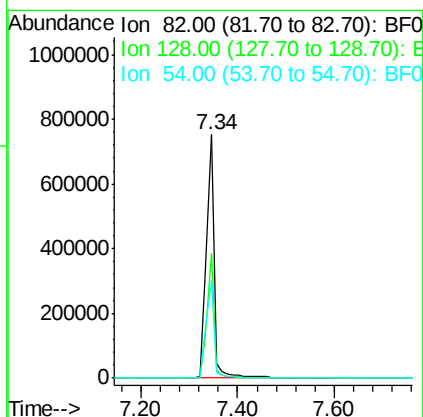
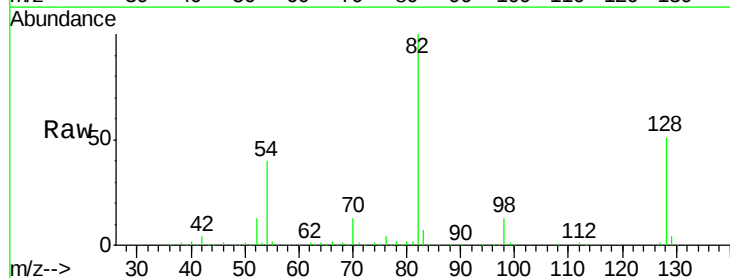
RT: 7.34 min Scan# 460

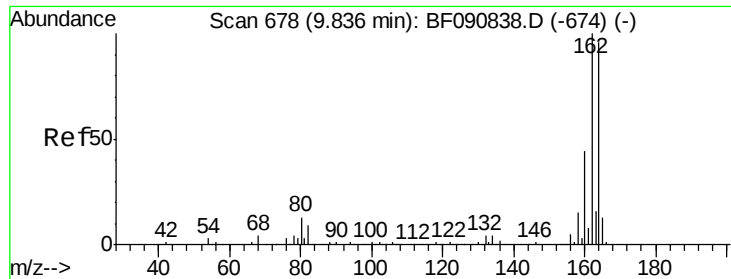
Delta R.T. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	51.1	51.0	76.6
54	40.4	47.5	71.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOIL

Tot Ion:164 Resp: 255676

Ion Ratio Lower Upper

164 100

162 104.3 75.2 112.8

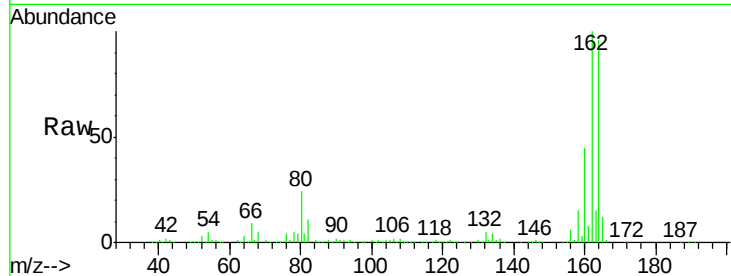
160 46.9 31.5 47.3

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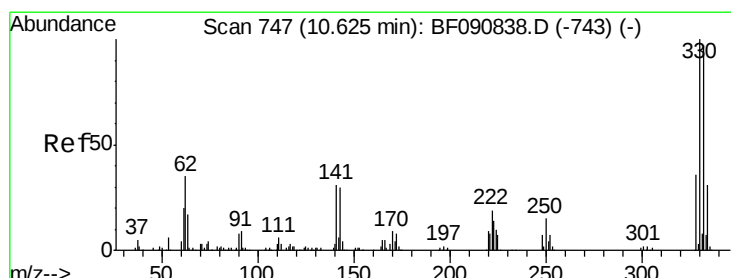
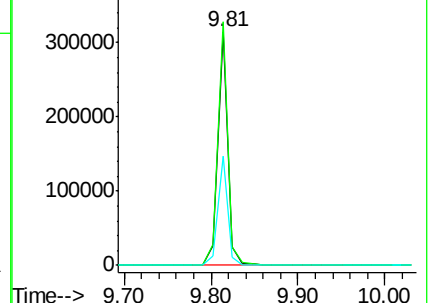
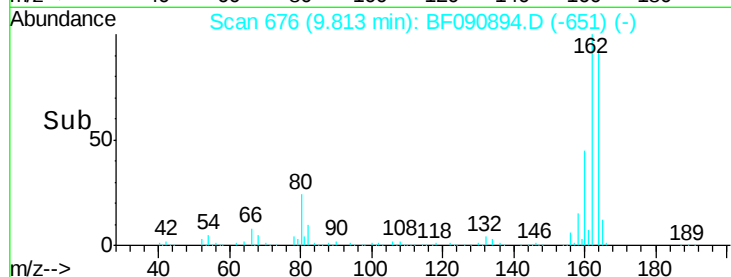
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 89.40 ng

RT: 10.60 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

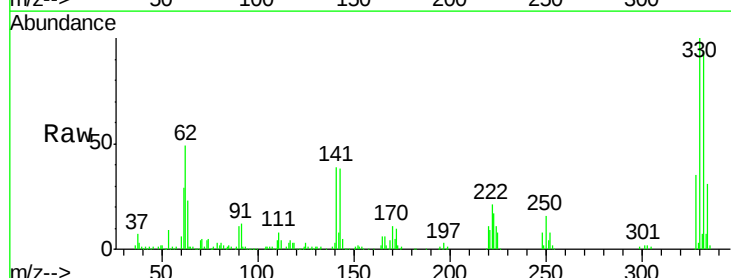
Tgt Ion:330 Resp: 234911

Ion Ratio Lower Upper

330 100

332 94.8 76.6 114.8

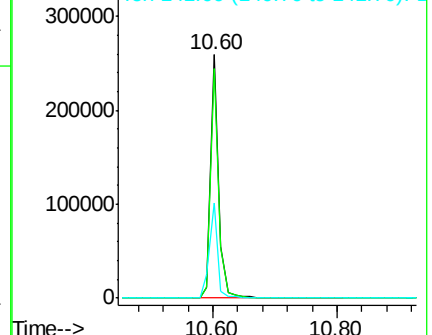
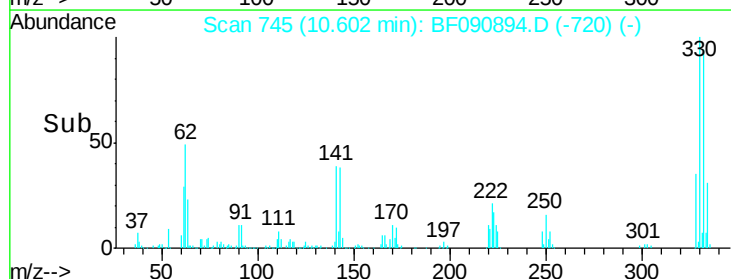
141 40.8 29.7 44.5

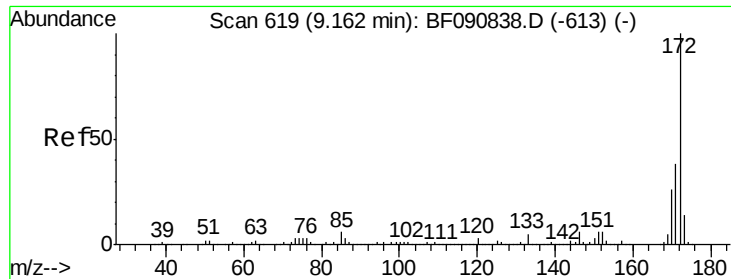


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





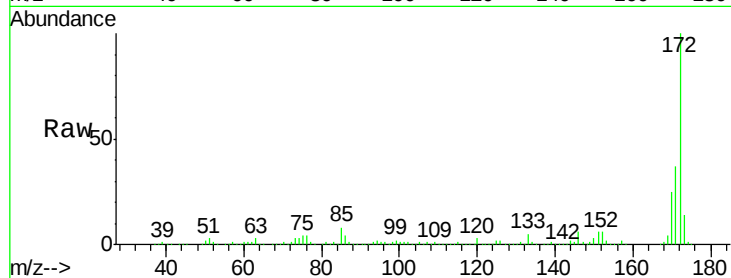
#44
2-Fluorobiphenyl
Concen: 89.88 ng
RT: 9.14 min Scan# 617
Delta R.T. -0.01 min
Lab File: BF090894.D
Acq: 28 Oct 2016 3:52

Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOIL

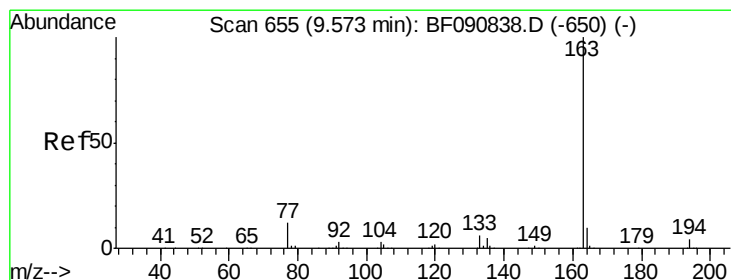
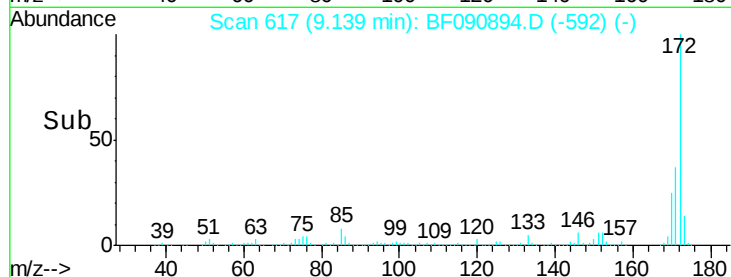
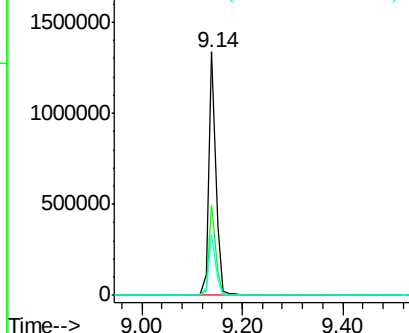
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	26.1	39.1
170	25.0	17.4	26.2

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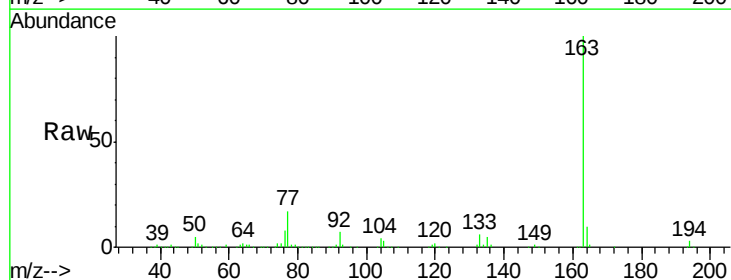


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

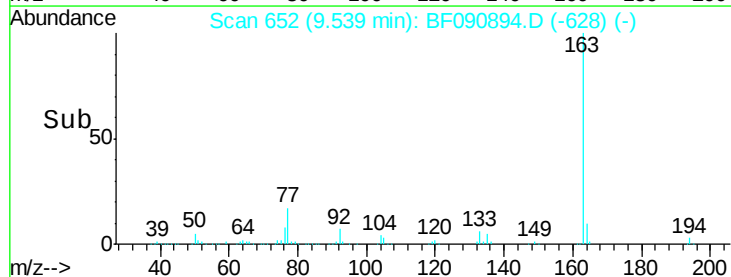
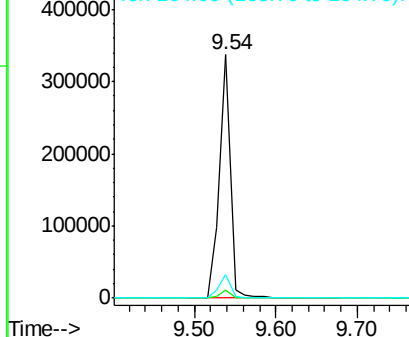


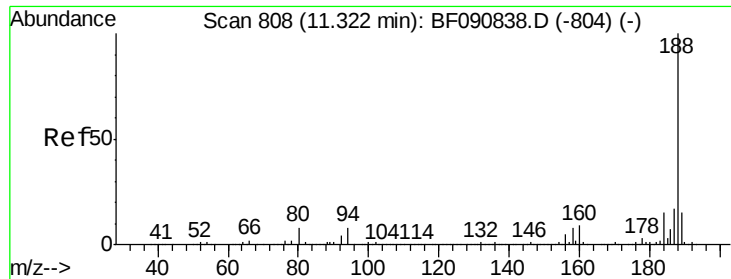
#49
Dimethylphthalate
Concen: 18.54 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF090894.D
Acq: 28 Oct 2016 3:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	4.4	6.6#
164	9.6	8.3	12.5



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





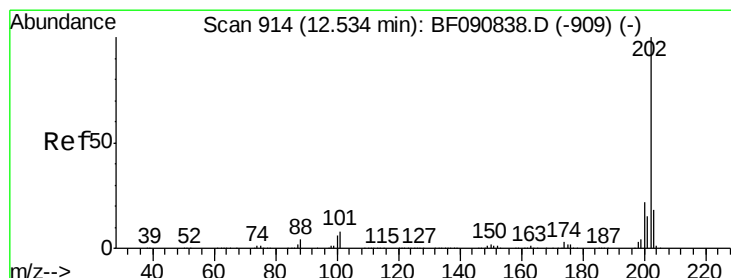
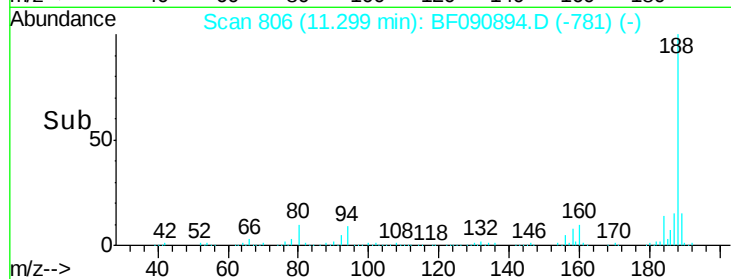
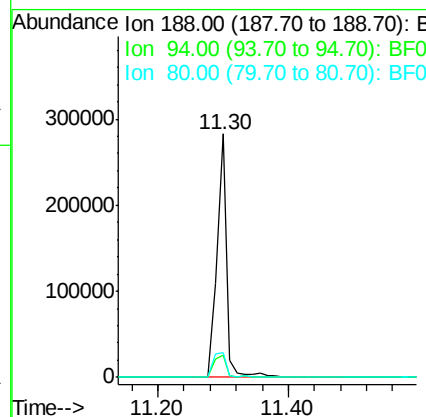
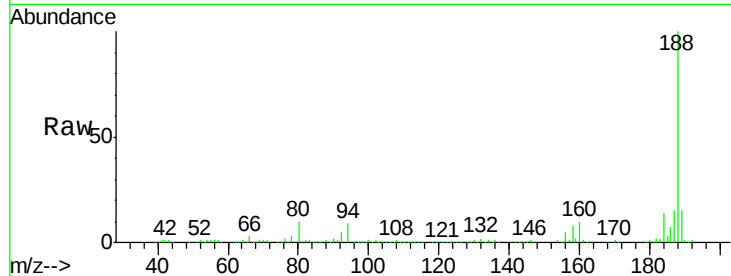
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF090894.D
Acq: 28 Oct 2016 3:52

Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOIL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	11.1	16.7#
80	10.1	11.0	16.4#

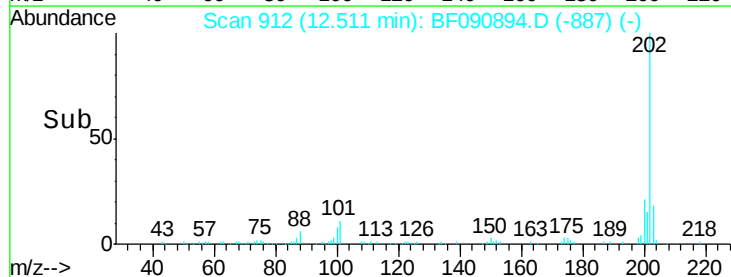
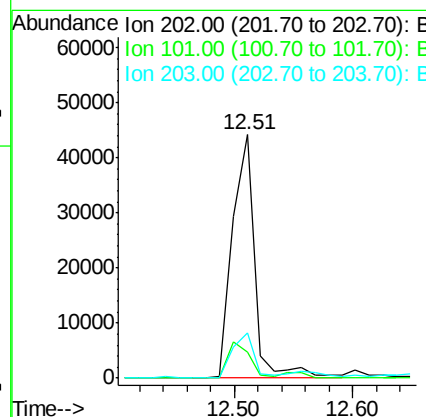
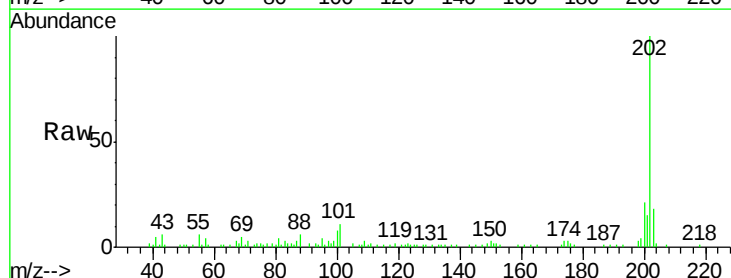
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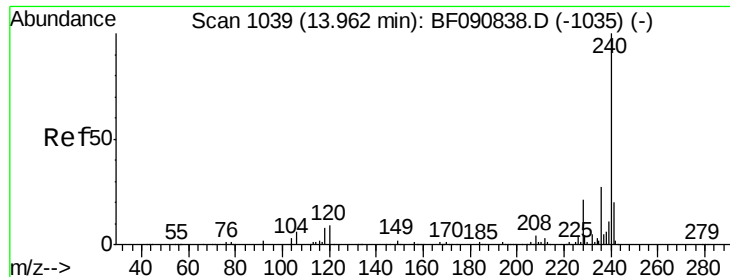
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#74
Fluoranthene
Concen: 3.45 ng
RT: 12.51 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF090894.D
Acq: 28 Oct 2016 3:52

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	0.0	38.3
203	18.4	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Instrument :

BNA_F

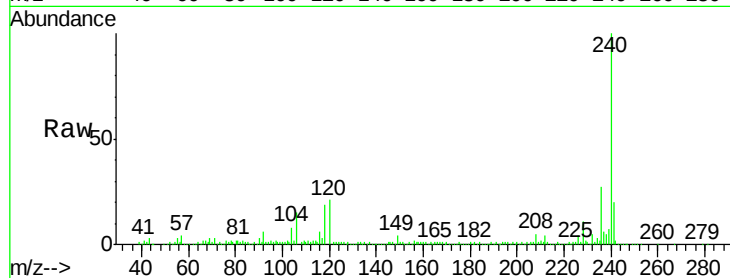
ClientSampleId :

NCC41-TOPSOIL

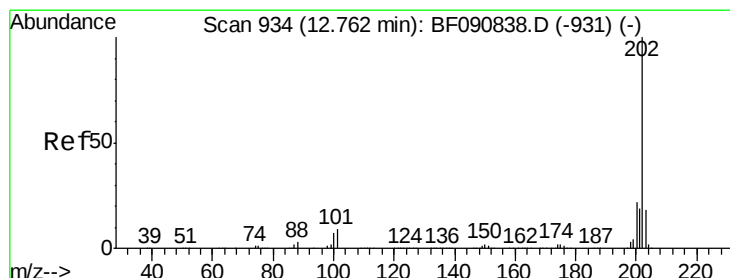
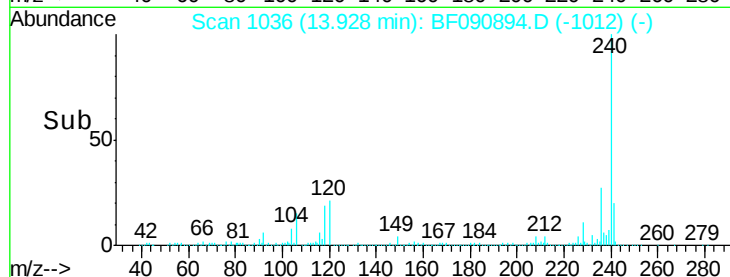
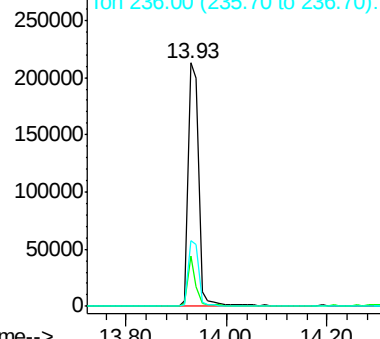
Tot Ion:	240	Resp:	314140
Ion Ratio	Lower	Upper	
240	100		
120	20.9	16.2	24.2
236	27.1	18.4	27.6

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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



#77

Pyrene

Concen: 2.58 ng

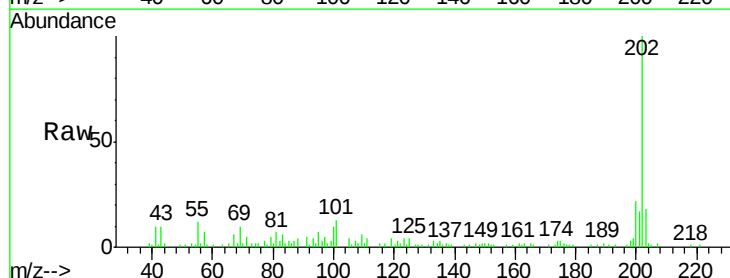
RT: 12.74 min Scan# 932

Delta R.T. -0.01 min

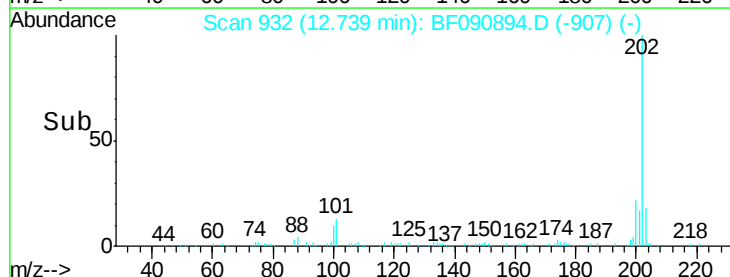
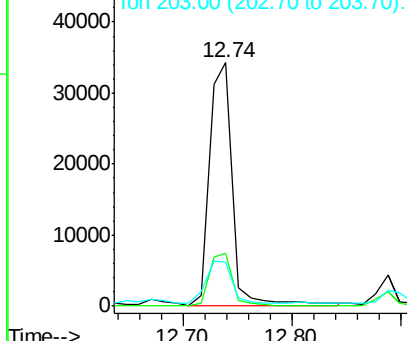
Lab File: BF090894.D

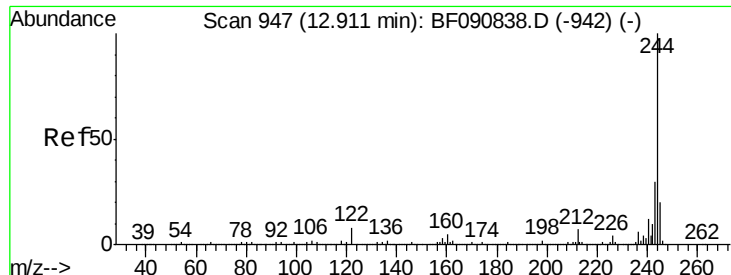
Acq: 28 Oct 2016 3:52

Tgt Ion:	202	Resp:	51380
Ion Ratio	Lower	Upper	
202	100		
200	21.7	15.0	22.4
203	17.9	14.1	21.1



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: 85.96 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOIL

Tot Ion:244 Resp: 1071847

Ion Ratio Lower Upper

244 100

212 7.0 4.3 6.5#

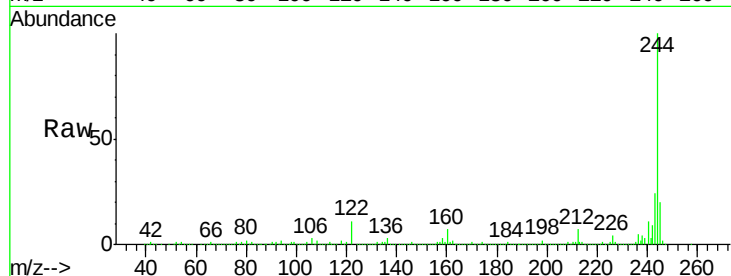
122 10.6 17.4 26.2#

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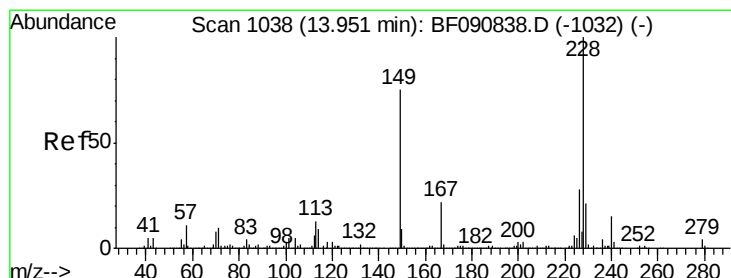
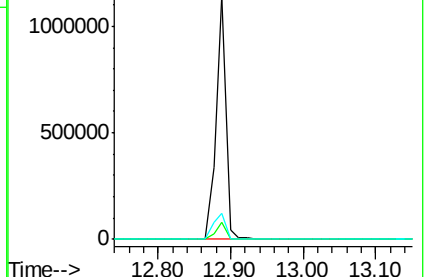
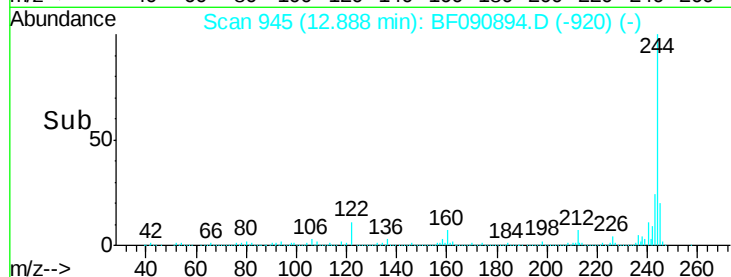
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.17 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

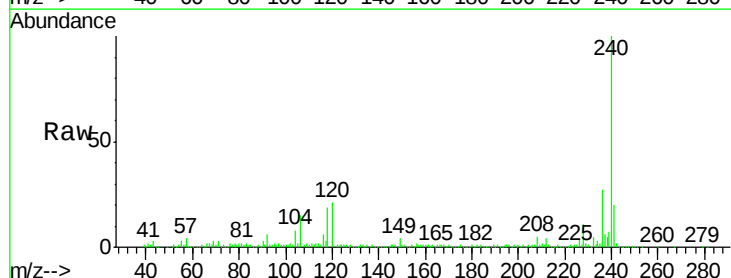
Tgt Ion:228 Resp: 36191

Ion Ratio Lower Upper

228 100

226 32.2 20.0 30.0#

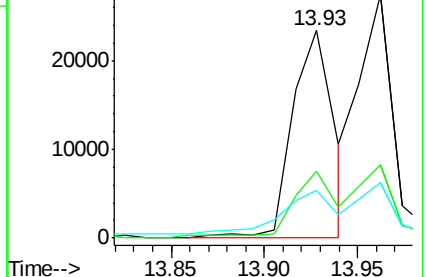
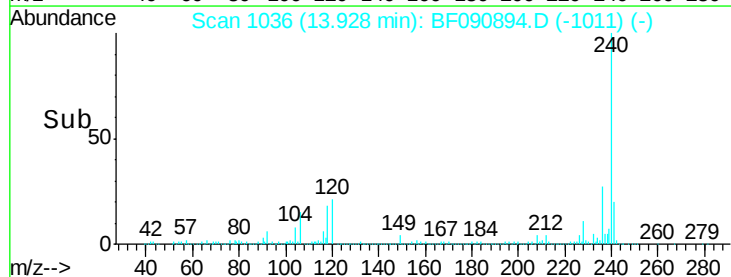
229 22.7 15.4 23.2

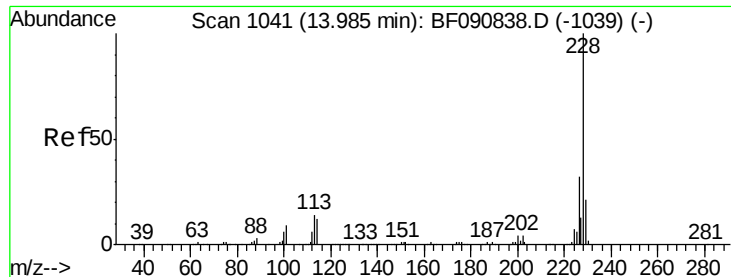


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.11 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Instrument :

BNA_F

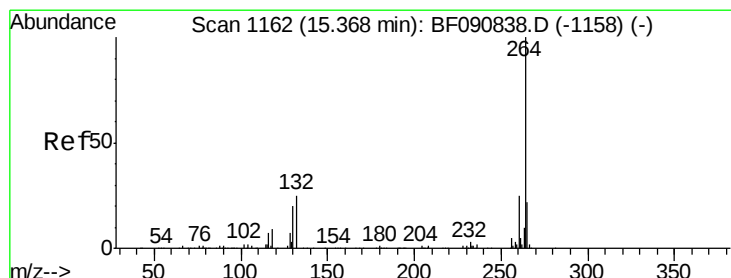
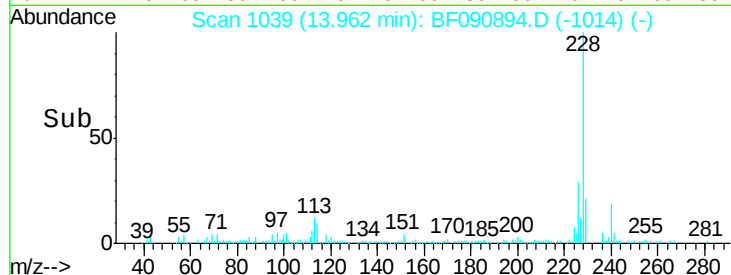
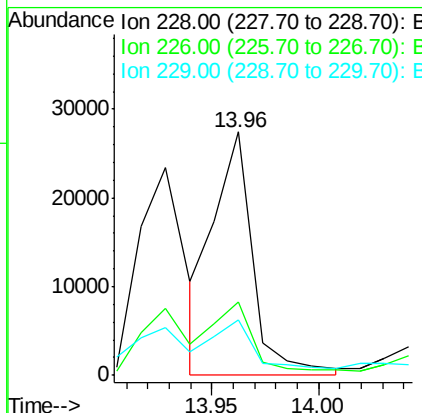
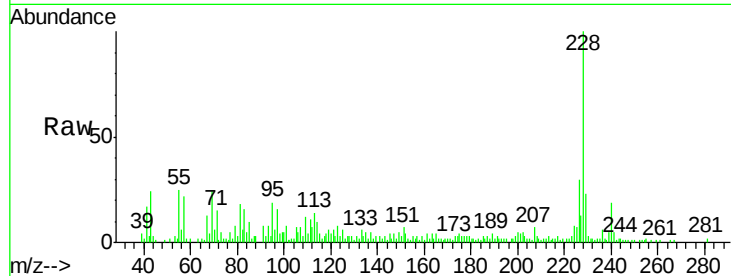
ClientSampleId :

NCC41-TOPSOIL

Tot Ion:	228	Resp:	35518
Ion Ratio		Lower	Upper
228	100		
226	29.9	21.0	31.4
229	22.8	15.6	23.4

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#86

Perylene-d12

Concen: 20.00 ng

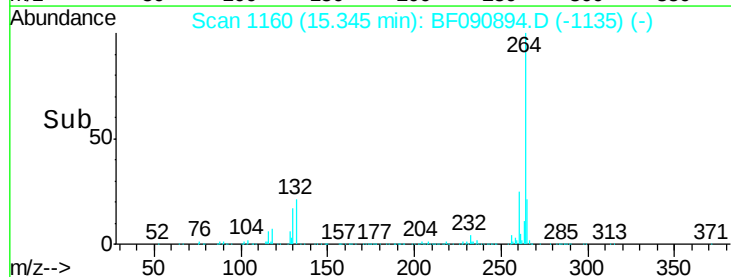
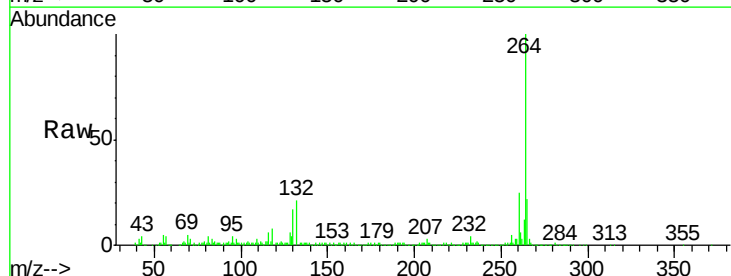
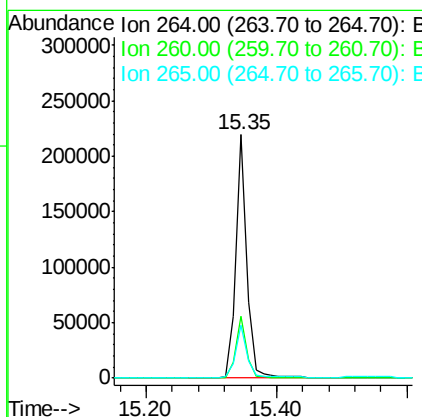
RT: 15.35 min Scan# 1160

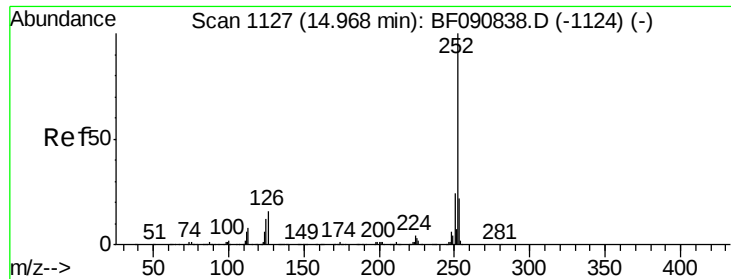
Delta R.T. -0.01 min

Lab File: BF090894.D

Acq: 28 Oct 2016 3:52

Tgt Ion:	264	Resp:	253027
Ion Ratio		Lower	Upper
264	100		
260	25.4	16.7	25.1#
265	21.5	17.2	25.8





#87
 Benzo(b)fluoranthene
 Concen: 2.60 ng m
 RT: 14.95 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: BF090894.D
 Acq: 28 Oct 2016 3:52

Instrument :
 BNA_F
 ClientSampleId :
 NCC41-TOPSOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	22.9	17.1	25.7

Manual Integrations
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