

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
 Data File : BF090903.D
 Acq On : 28 Oct 2016 12:06
 Operator : UM/SJ
 Sample : H5436-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCC41-TOPSOILRE

Manual Integrations
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Quant Time: Oct 28 13:51:22 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 28 13:32:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	145034	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	583344	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	300595	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	381629	20.00	ng	0.00
75) Chrysene-d12	13.92	240	279221	20.00	ng	-0.01
86) Perylene-d12	15.32	264	321565	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1169864	141.03	ng	0.00
7) Phenol-d6	6.41	99	1658756	148.22	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1076326	120.79	ng	0.00
41) 2,4,6-Tribromophenol	10.59	330	307433	99.52	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1548635	90.47	ng	-0.01
78) Terphenyl-d14	12.88	244	1130944	102.04	ng	0.00
Target Compounds						
10) Phenol	6.42	94	50799	4.12	ng	Qvalue 72
49) Dimethylphthalate	9.53	163	340230	16.94	ng	# 96
74) Fluoranthene	12.49	202	60987	2.87	ng	96
77) Pyrene	12.72	202	53395	3.02	ng	95
80) Benzo(a)anthracene	13.91	228	35071	2.37	ng	94
82) Chrysene	13.94	228	30451m	2.03	ng	
85) Indeno(1,2,3-cd)pyrene	16.67	276	27691	2.08	ng	# 92
87) Benzo(b)fluoranthene	14.93	252	55567m	2.57	ng	

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

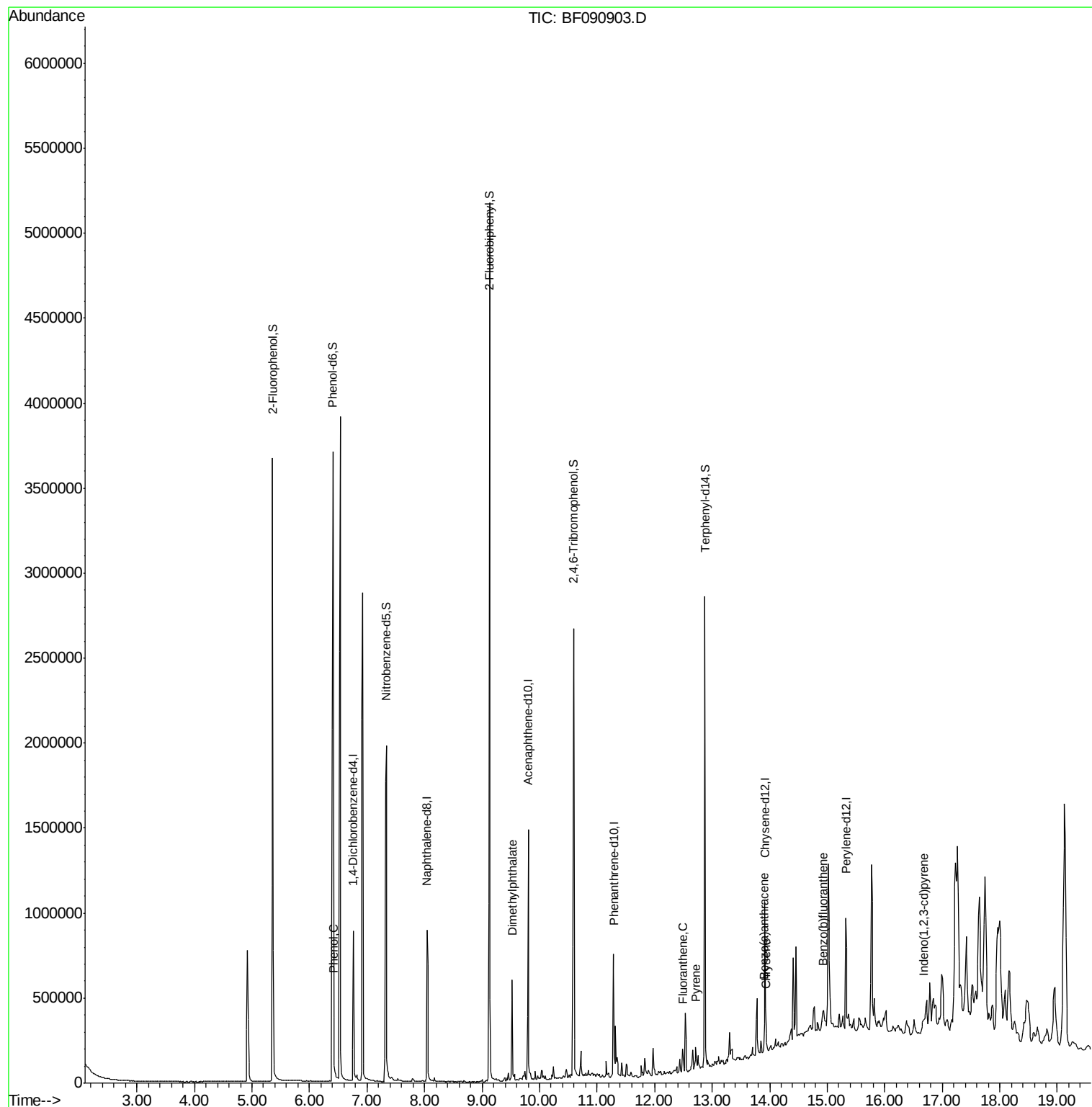
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
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Misc :
ALS Vial : 6 Sample Multiplier: 1

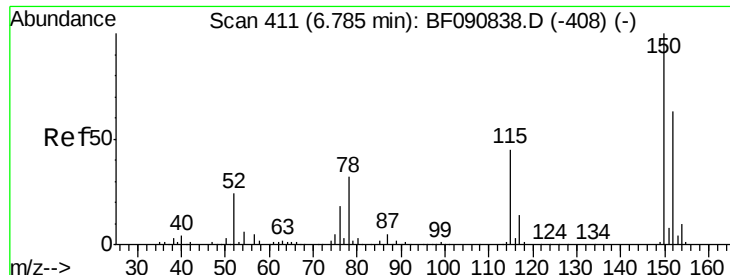
Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOILRE

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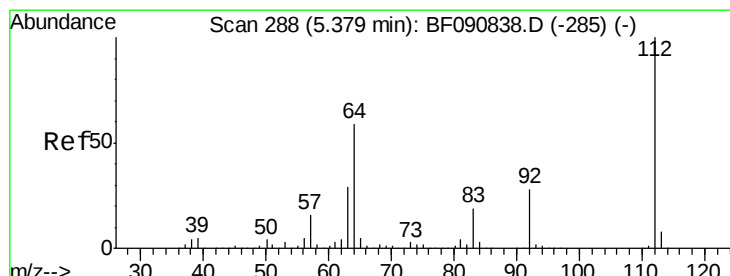
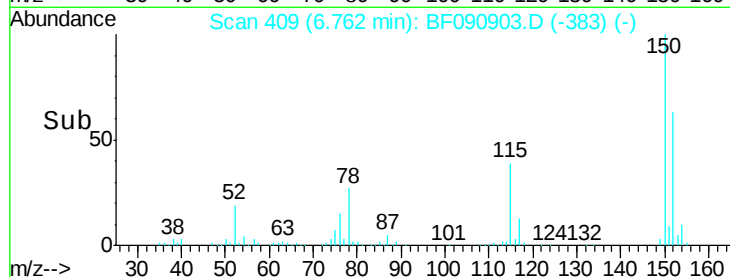
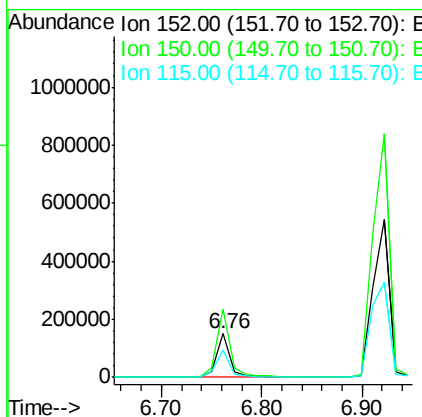
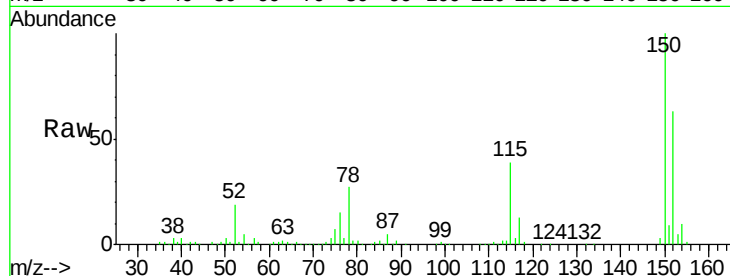
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.76 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: BF090903.D
 Acq: 28 Oct 2016 12:06

Instrument :
 BNA_F
 ClientSampleId :
 NCC41-TOPSOILRE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.7	187.1
115	61.7	39.0	58.4#

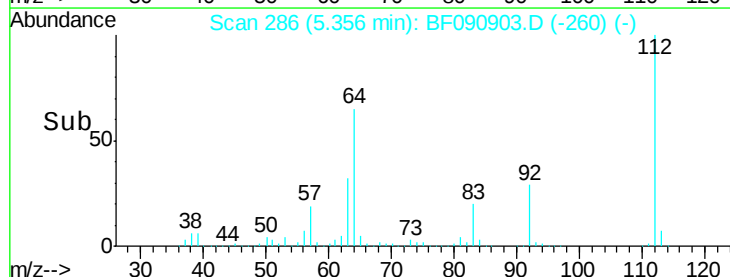
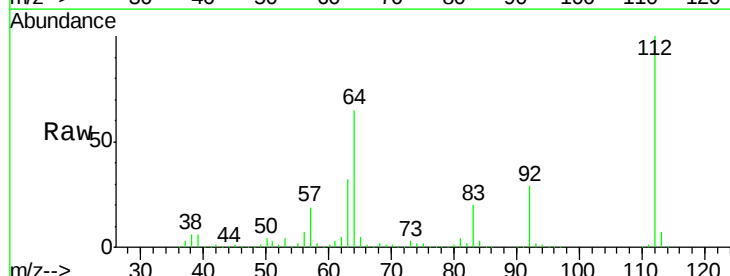
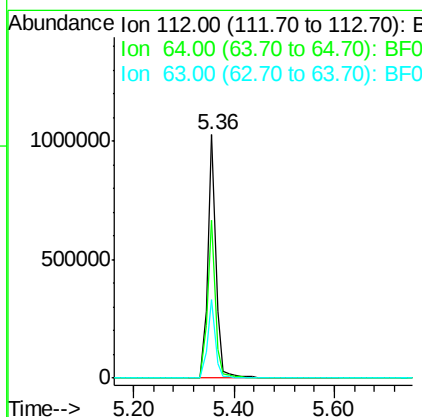
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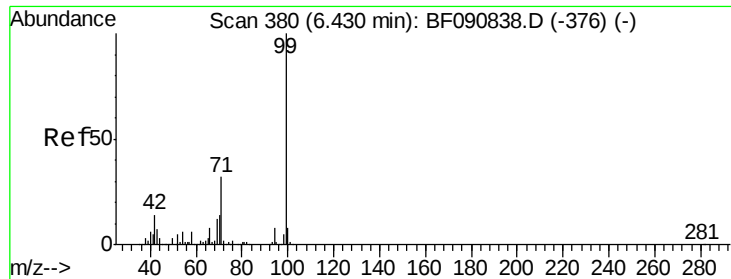
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#5
 2-Fluorophenol
 Concen: 141.03 ng
 RT: 5.36 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: BF090903.D
 Acq: 28 Oct 2016 12:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	39.7	59.5#
63	32.2	17.4	26.0#





#7

Phenol-d6

Concen: 148.22 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOILRE

Tgt Ion: 99 Resp: 1658756

Ion Ratio Lower Upper

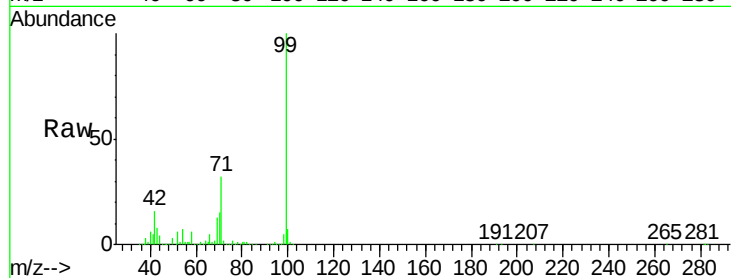
99 100

42 15.6 13.7 20.5

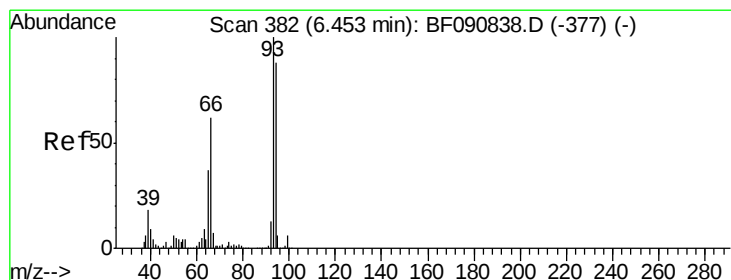
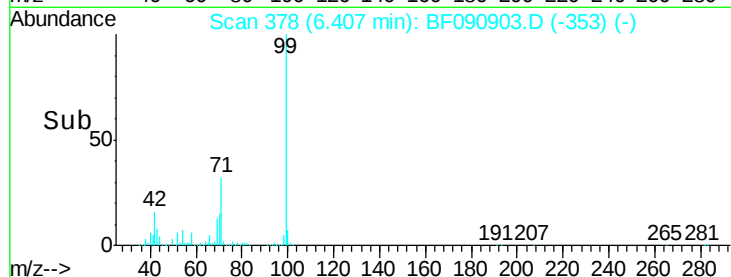
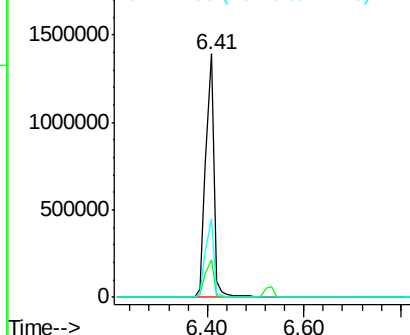
71 32.5 14.2 21.2#

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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



#10

Phenol

Concen: 4.12 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

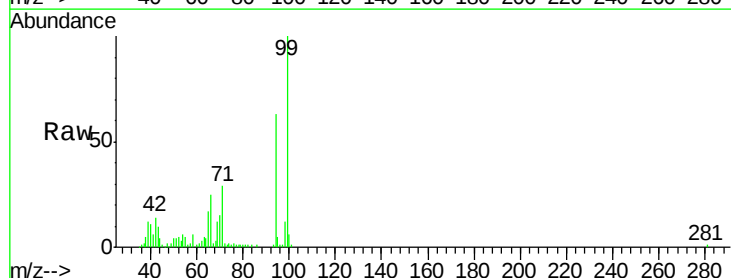
Tgt Ion: 94 Resp: 50799

Ion Ratio Lower Upper

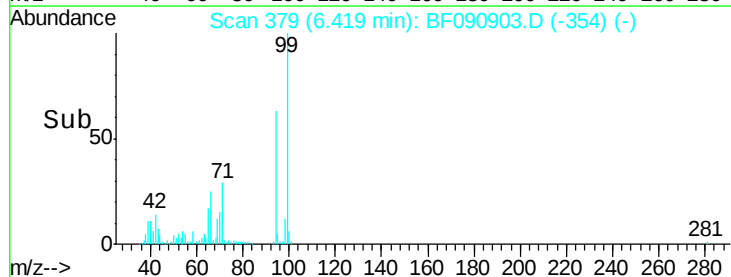
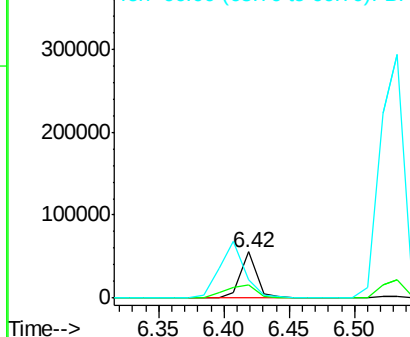
94 100

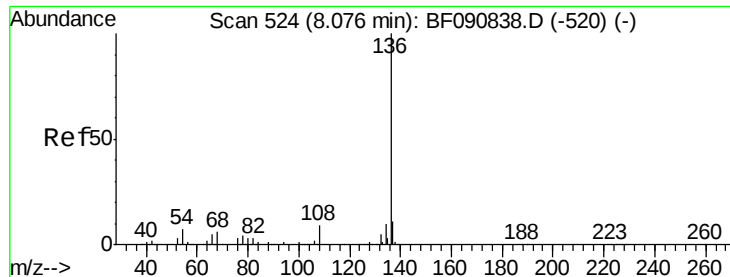
65 27.4 0.7 40.7

66 39.8 0.8 40.8



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

Instrument :

BNA_F

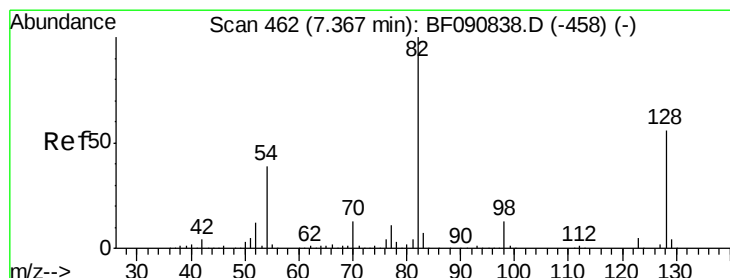
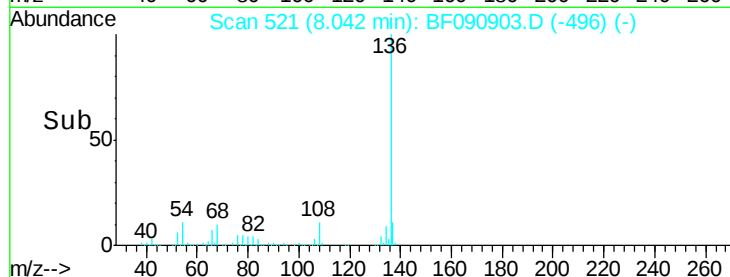
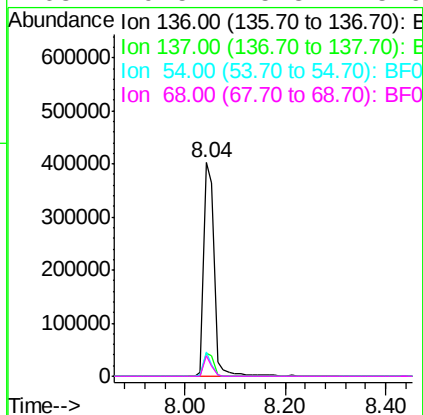
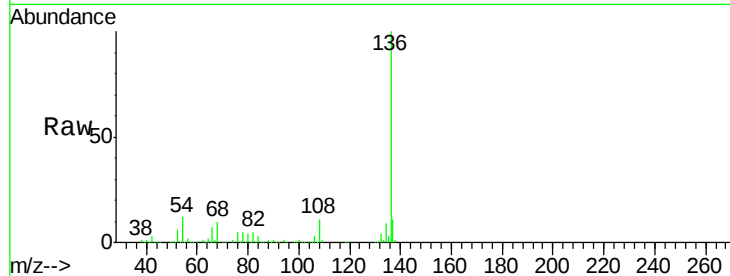
ClientSampleId :

NCC41-TOPSOILRE

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	583344		
137	11.1	9.0	13.6	
54	11.6	8.2	12.2	
68	9.5	5.8	8.6	

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#23

Nitrobenzene-d5

Concen: 120.79 ng

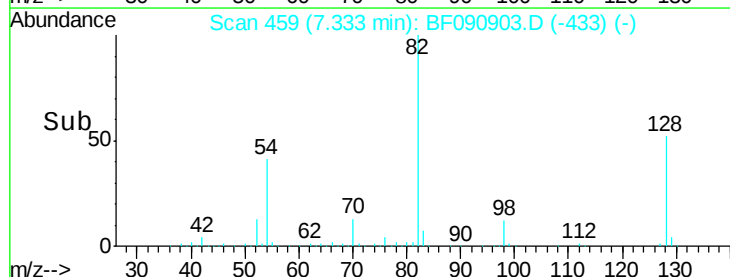
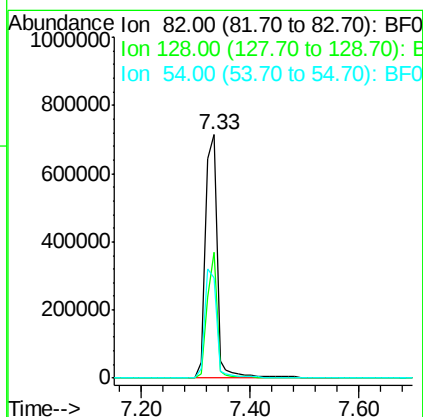
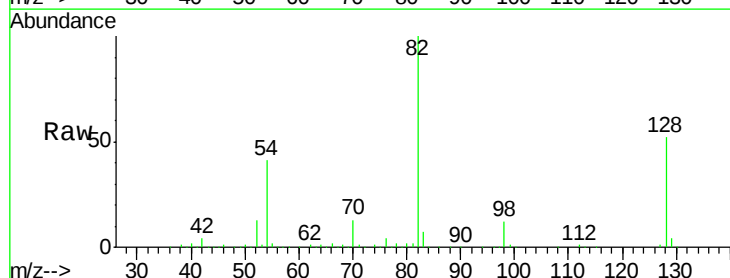
RT: 7.33 min Scan# 459

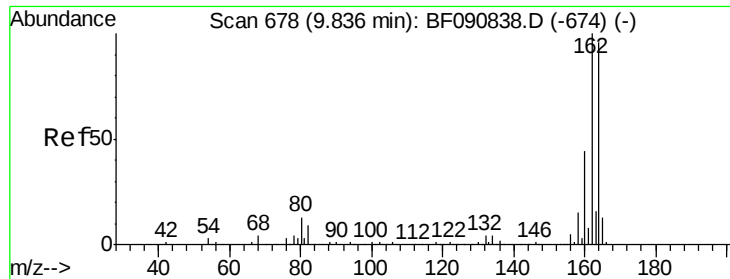
Delta R.T. 0.00 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1076326		
128	51.6	51.0	76.6	
54	41.4	47.5	71.3	





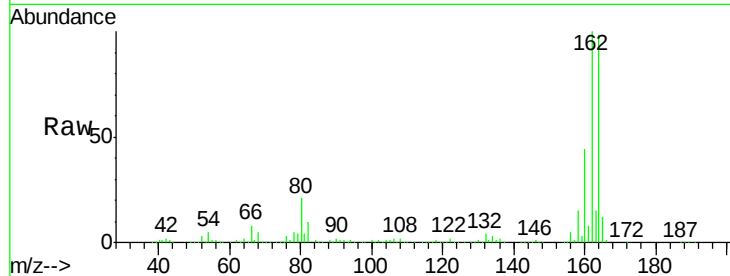
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOILRE

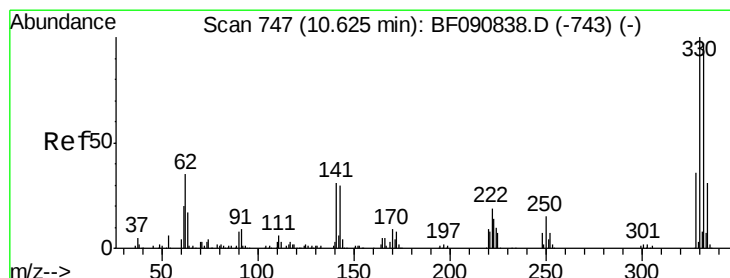
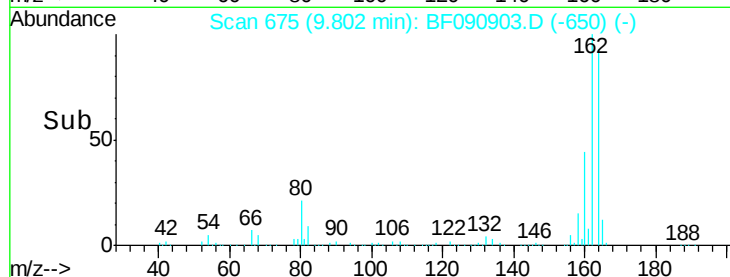
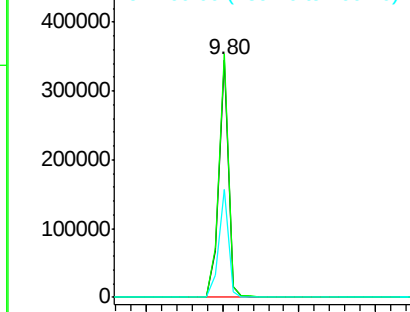
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	300595		
162	102.6	75.2	112.8	
160	45.5	31.5	47.3	

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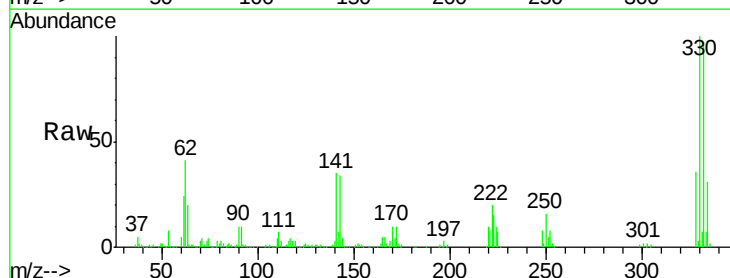


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

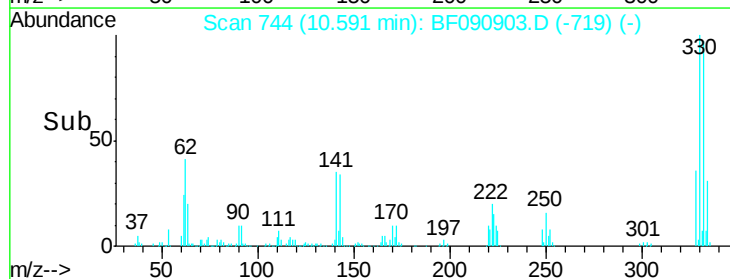
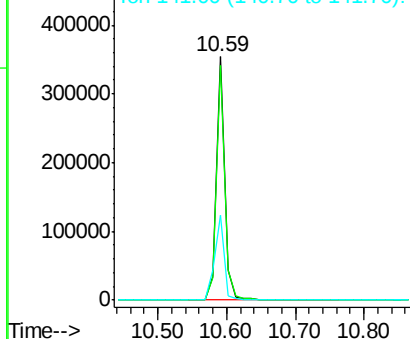


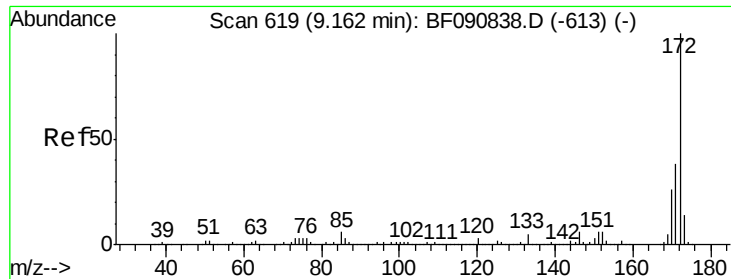
#41
2,4,6-Tribromophenol
Concen: 99.52 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	307433		
332	96.9	76.6	114.8	
141	40.5	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





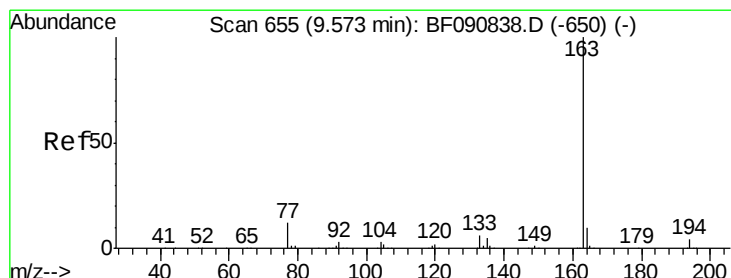
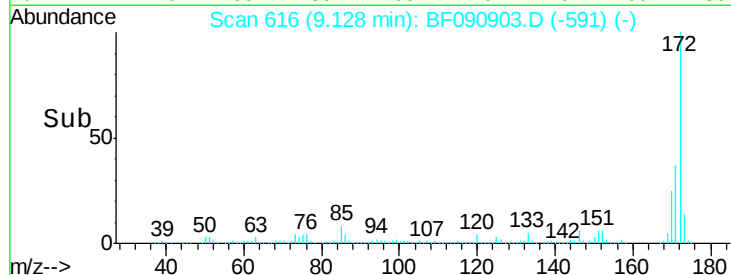
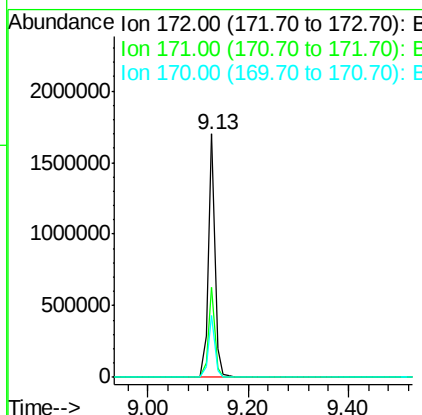
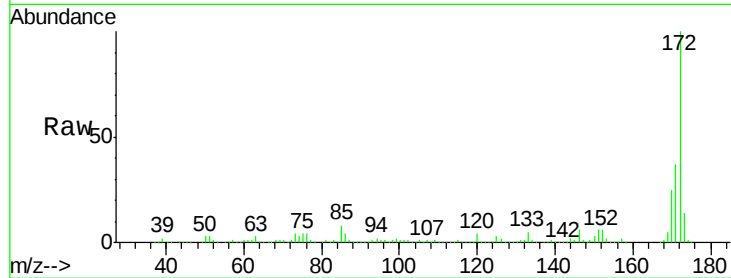
#44
2-Fluorobiphenyl
Concen: 90.47 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.01 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOILRE

Tgt Ion:172 Resp: 1548635
Ion Ratio Lower Upper
172 100
171 37.0 26.1 39.1
170 25.3 17.4 26.2

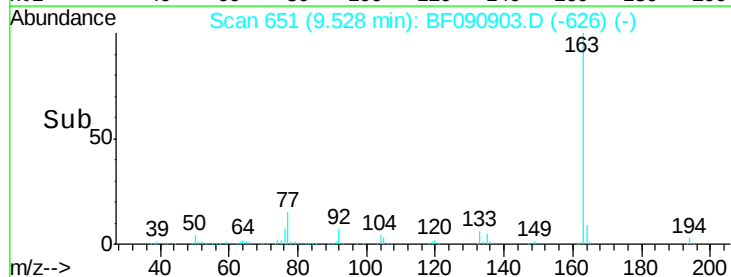
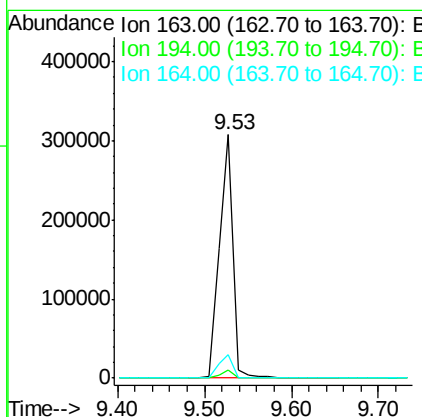
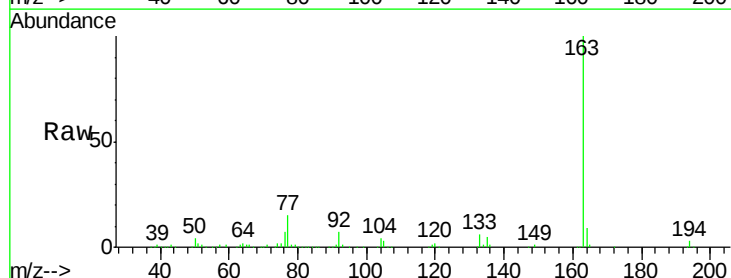
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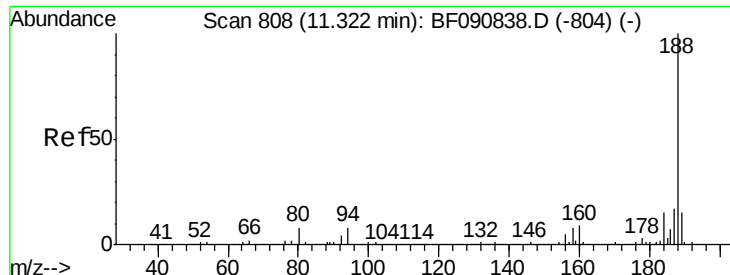
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#49
Dimethylphthalate
Concen: 16.94 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.01 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Tgt Ion:163 Resp: 340230
Ion Ratio Lower Upper
163 100
194 3.5 4.4 6.6#
164 9.4 8.3 12.5





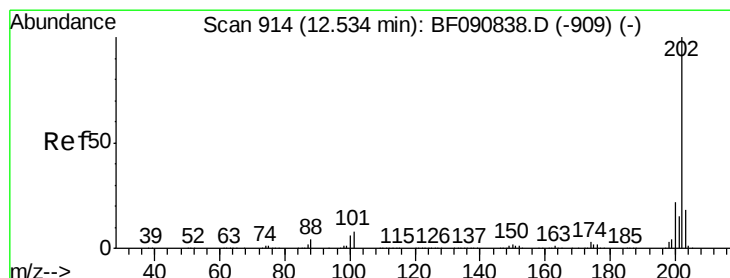
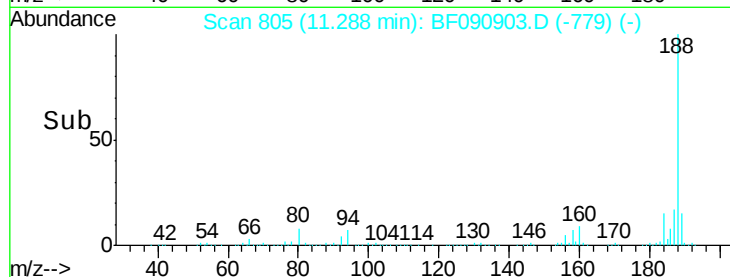
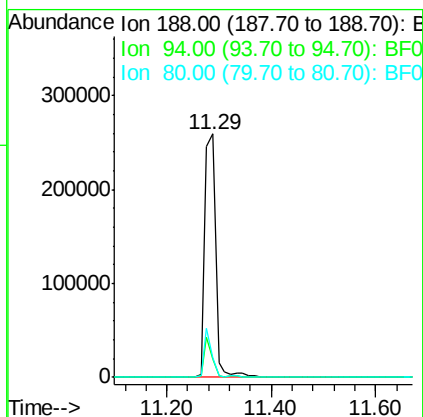
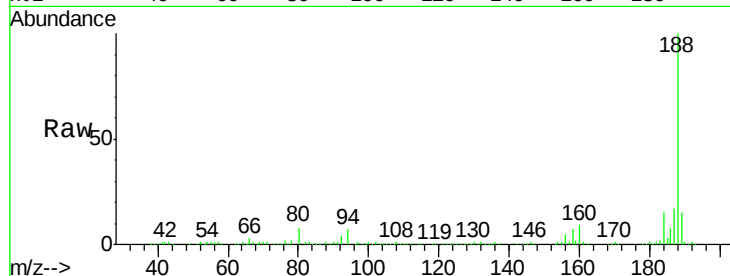
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOILRE

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	381629		
94	7.4	11.1	16.7#	
80	7.9	11.0	16.4#	

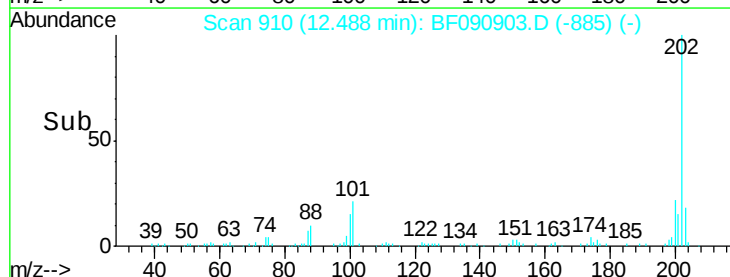
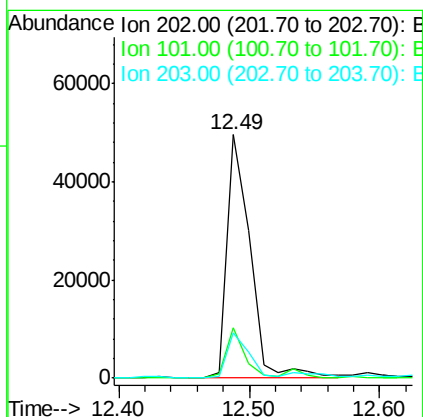
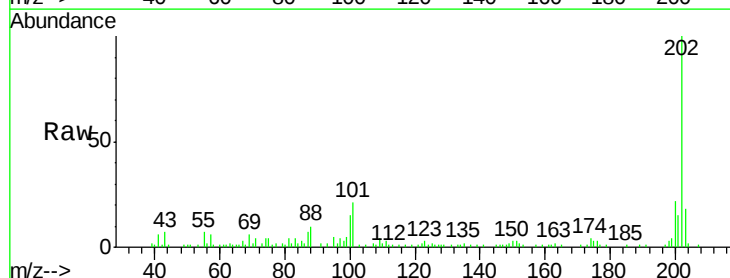
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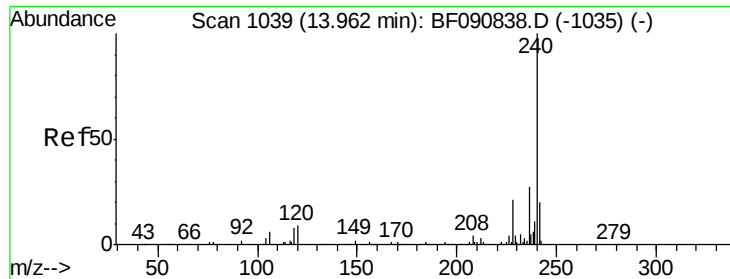
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#74
Fluoranthene
Concen: 2.87 ng
RT: 12.49 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	60987		
101	20.9	0.0	38.3	
203	18.4	0.0	37.3	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

Instrument :

BNA_F

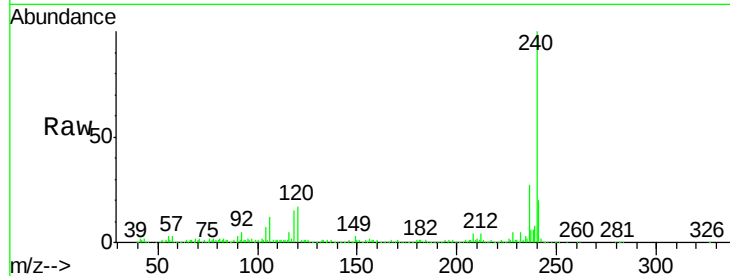
ClientSampleId :

NCC41-TOPSOILRE

Tgt Ion:	240	Resp:	279221
Ion Ratio	Lower	Upper	
240	100		
120	17.1	16.2	24.2
236	27.4	18.4	27.6

Manual Integrations
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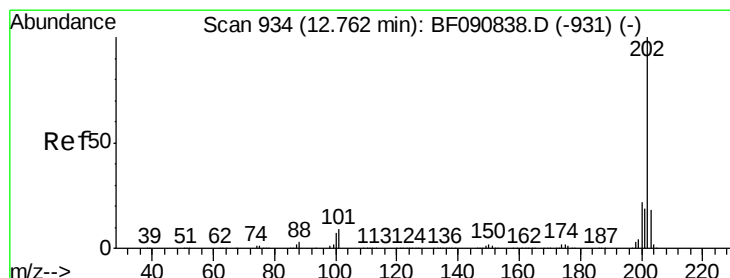
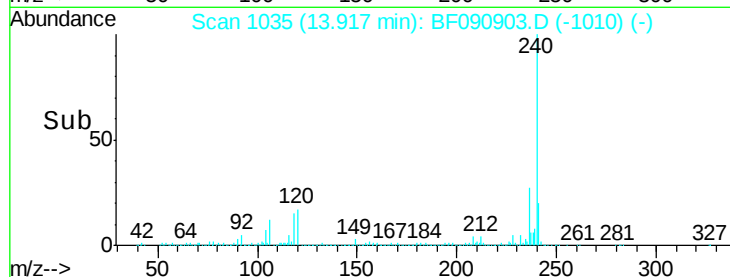
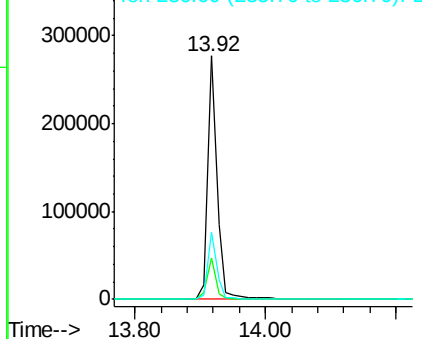
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.02 ng

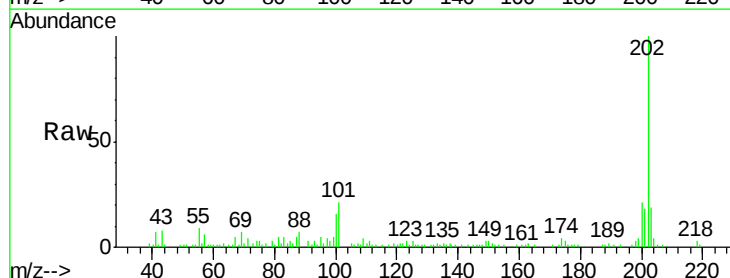
RT: 12.72 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

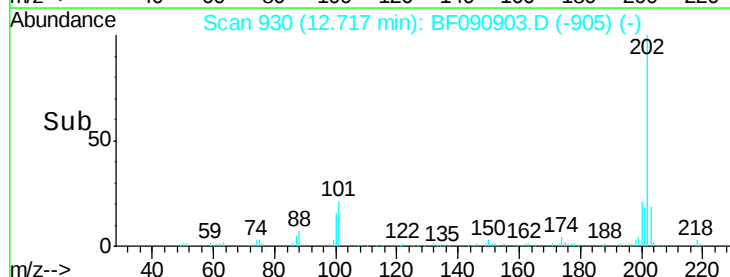
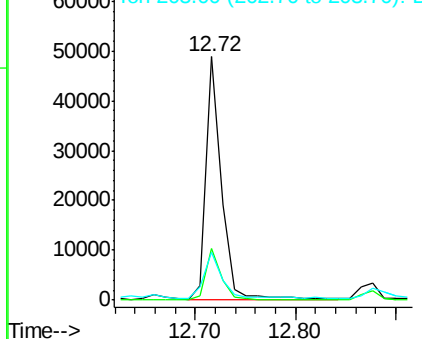
Tgt Ion:	202	Resp:	53395
Ion Ratio	Lower	Upper	
202	100		
200	21.3	15.0	22.4
203	19.4	14.1	21.1

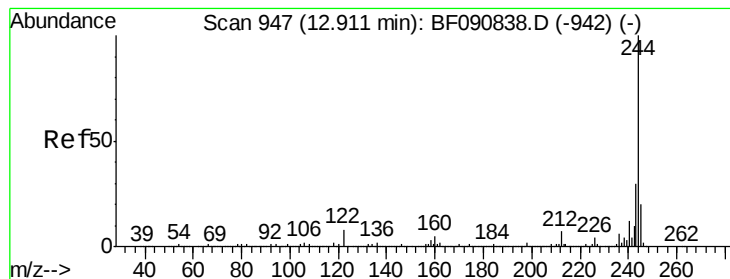


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 102.04 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

Instrument :

BNA_F

ClientSampleId :

NCC41-TOPSOILRE

Tgt Ion:244 Resp: 1130944

Ion Ratio Lower Upper

244 100

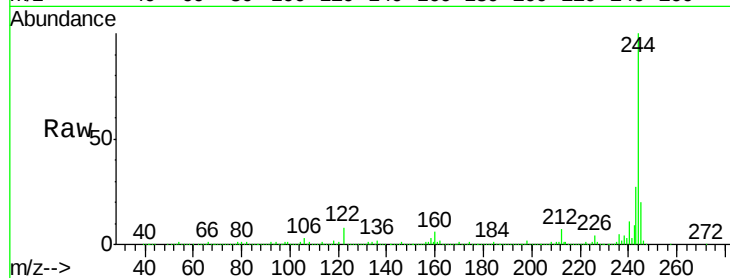
212 6.6 4.3 6.5#

122 8.0 17.4 26.2#

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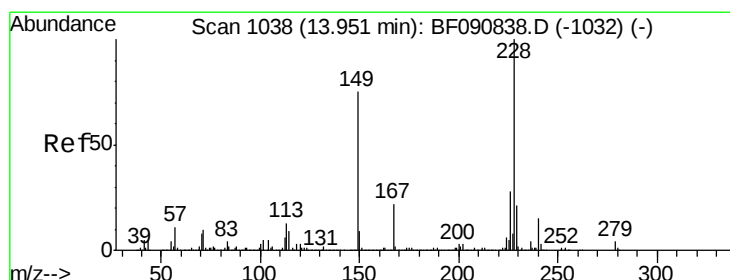
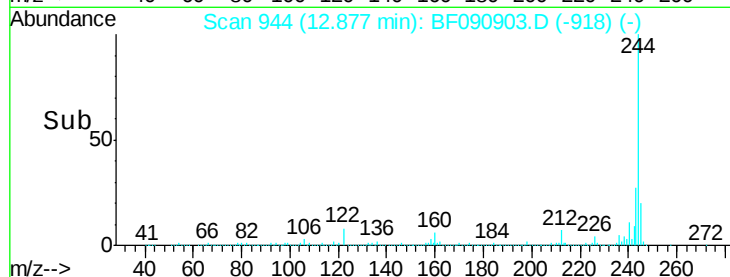
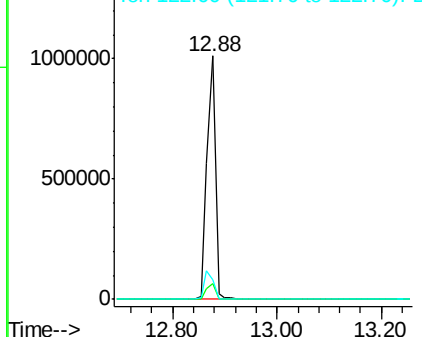
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.37 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF090903.D

Acq: 28 Oct 2016 12:06

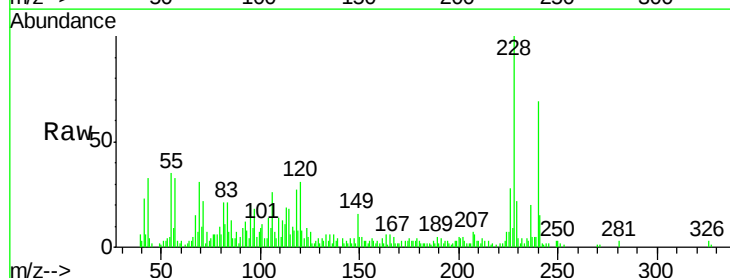
Tgt Ion:228 Resp: 35071

Ion Ratio Lower Upper

228 100

226 28.2 20.0 30.0

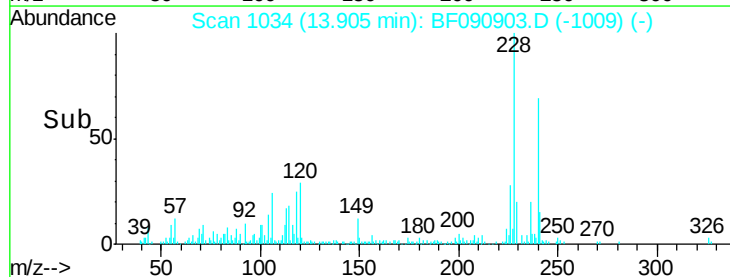
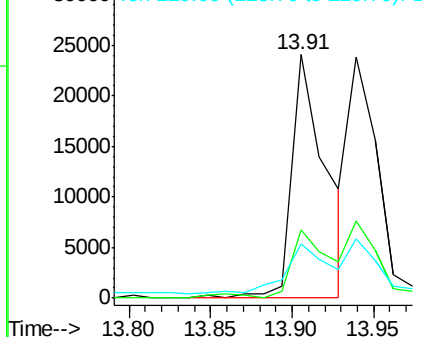
229 22.1 15.4 23.2

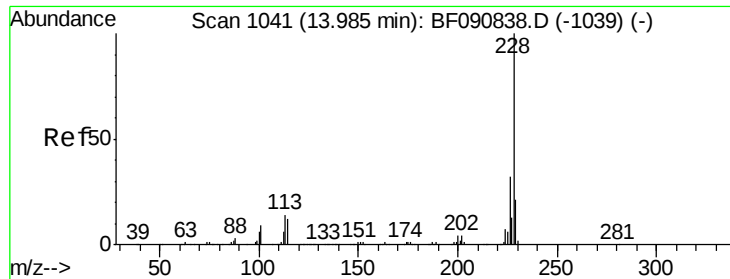


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





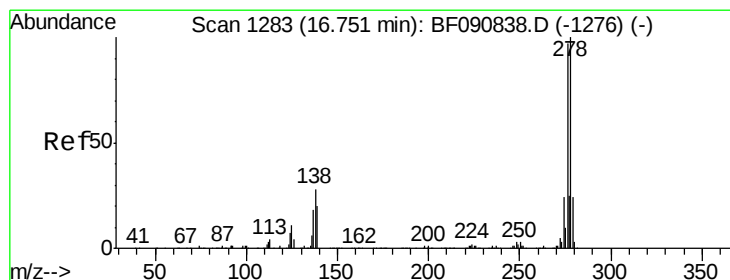
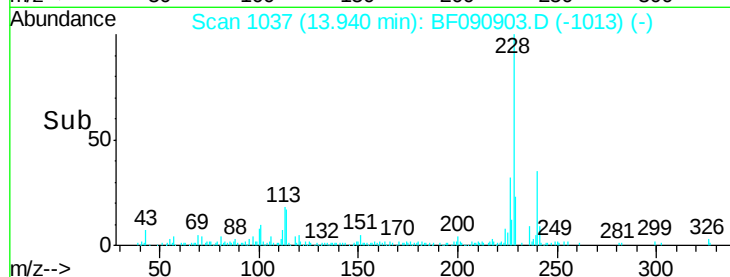
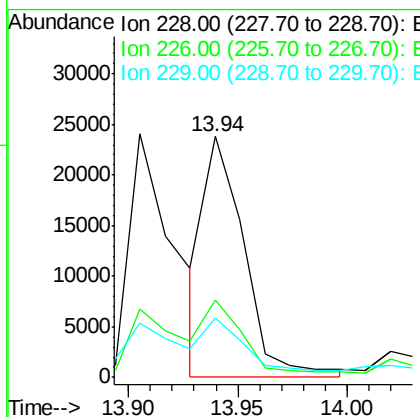
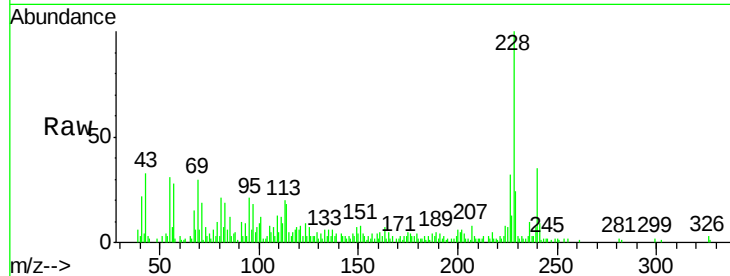
#82
Chrysene
Concen: 2.03 ng m
RT: 13.94 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOILRE

Tgt Ion: 228 Resp: 30451
Ion Ratio Lower Upper
228 100
226 32.2 21.0 31.4#
229 24.4 15.6 23.4#

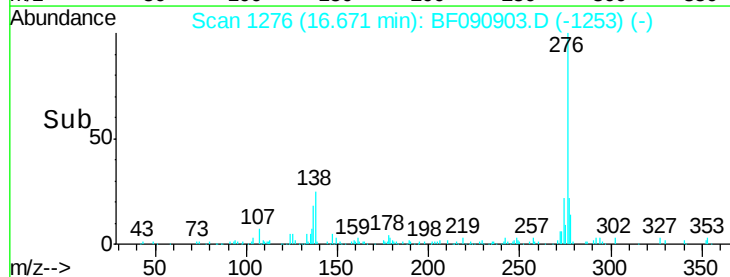
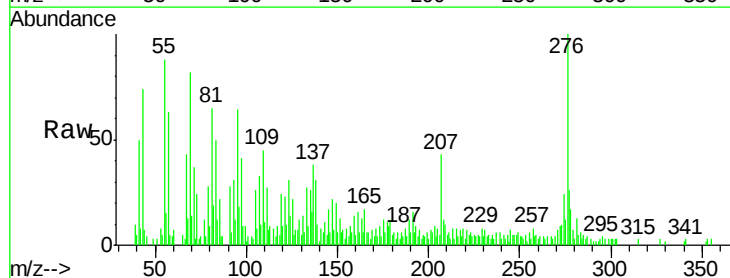
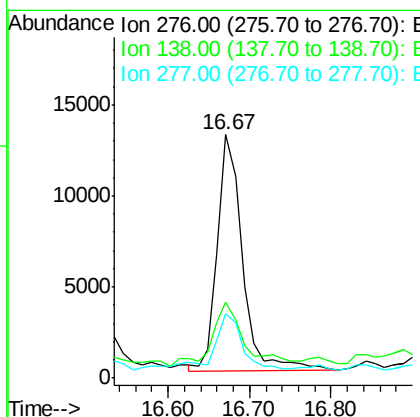
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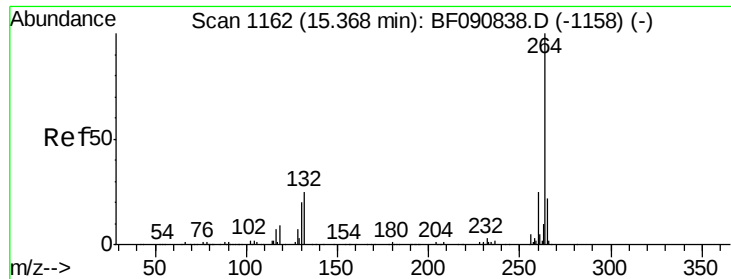
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.08 ng
RT: 16.67 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Tgt Ion: 276 Resp: 27691
Ion Ratio Lower Upper
276 100
138 33.9 25.7 38.5
277 26.6 15.6 23.4#





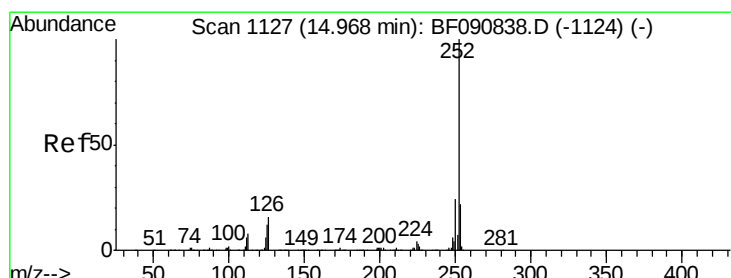
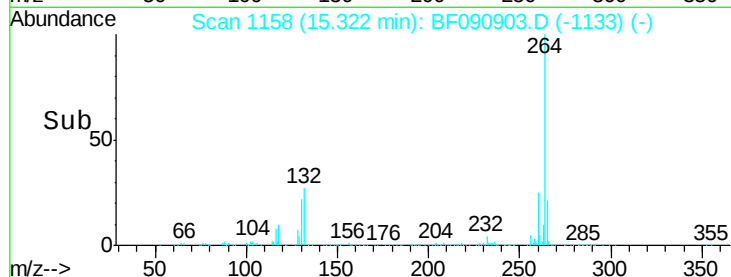
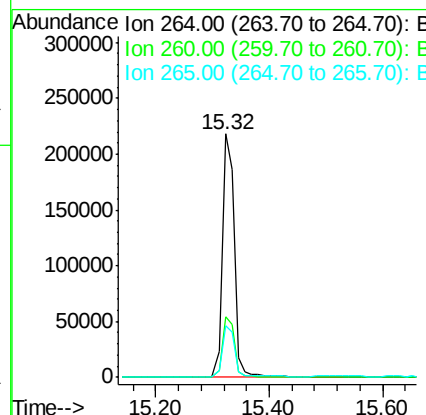
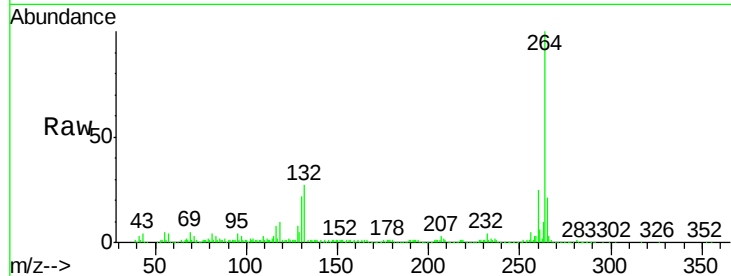
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Instrument :
BNA_F
ClientSampleId :
NCC41-TOPSOILRE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	16.7	25.1
265	21.4	17.2	25.8

Manual Integrations
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#87
Benzo(b)fluoranthene
Concen: 2.57 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF090903.D
Acq: 28 Oct 2016 12:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	21.7	17.1	25.7

