

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
 Data File : BF082147.D
 Acq On : 9 Oct 2015 16:07
 Operator : UM/IZ
 Sample : G3963-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PROPOSED-TOPSOIL

Manual Integrations
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 10/12/2015 2:43:25 PM

Quant Time: Oct 09 16:53:10 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 08 02:46:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	125784	20.00	ng	-0.03
21) Naphthalene-d8	8.14	136	483618	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	211382	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	364109	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	266249	20.00	ng	-0.03
86) Perylene-d12	15.46	264	222644	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	570396	82.32	ng	-0.01
7) Phenol-d6	6.49	99	747789	85.77	ng	-0.01
23) Nitrobenzene-d5	7.42	82	451569	62.24	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	169586	79.22	ng	-0.03
44) 2-Fluorobiphenyl	9.21	172	846364	63.83	ng	-0.03
78) Terphenyl-d14	12.97	244	663342	78.88	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	254909	17.47	ng	# 97
74) Fluoranthene	12.60	202	84905	4.35	ng	88
77) Pyrene	12.82	202	69614	4.38	ng	98
80) Benzo(a)anthracene	14.01	228	34064	2.38	ng	93
82) Chrysene	14.05	228	45364m	3.28	ng	
87) Benzo(b)fluoranthene	15.05	252	53945m	4.24	ng	
88) Benzo(k)fluoranthene	15.08	252	24096m	2.07	ng	
89) Benzo(a)pyrene	15.41	252	34367	3.12	ng	# 86
91) Benzo(g,h,i)perylene	17.32	276	23414	2.47	ng	# 78

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

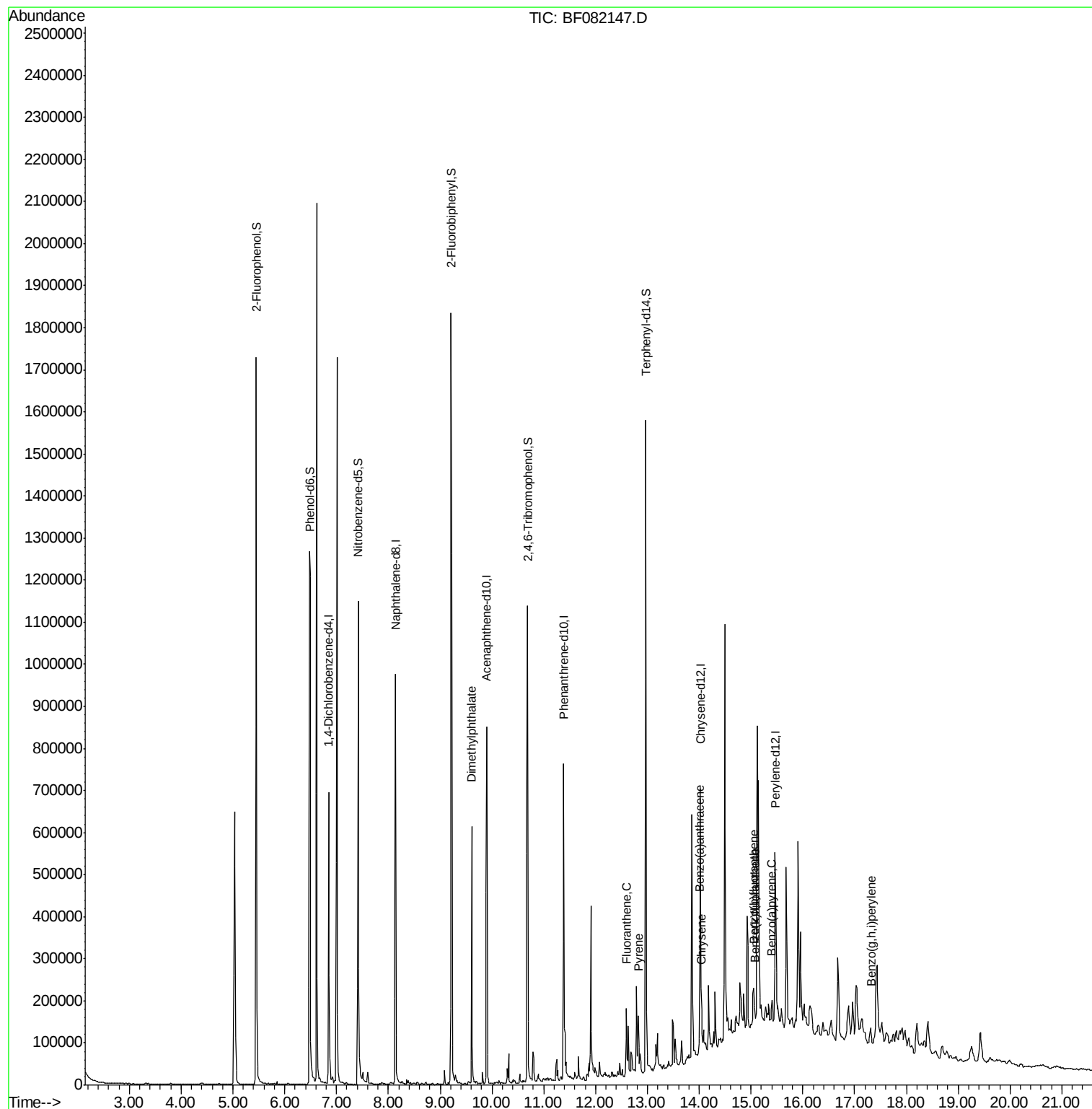
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082147.D
Acq On : 9 Oct 2015 16:07
Operator : UM/IZ
Sample : G3963-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

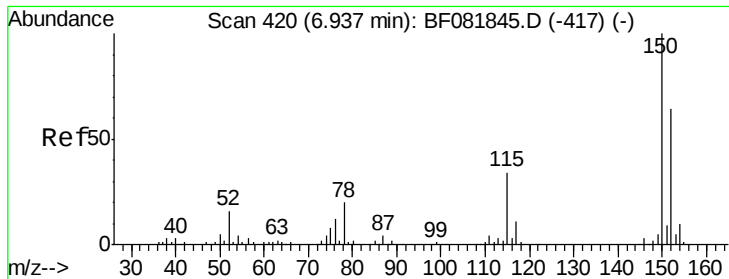
Instrument :
BNA_F
ClientSampleId :
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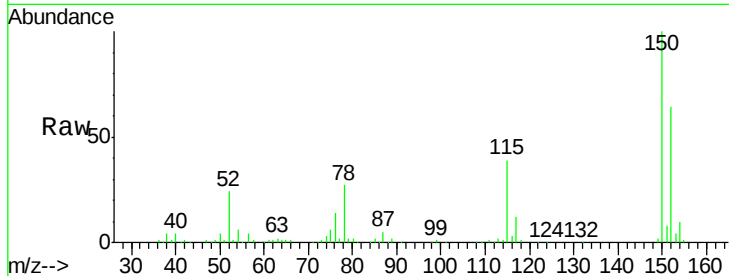
Quant Time: Oct 09 16:53:10 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 08 02:46:05 2015
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 412
 Delta R.T. -0.03 min
 Lab File: BF082147.D
 Acq: 9 Oct 2015 16:07

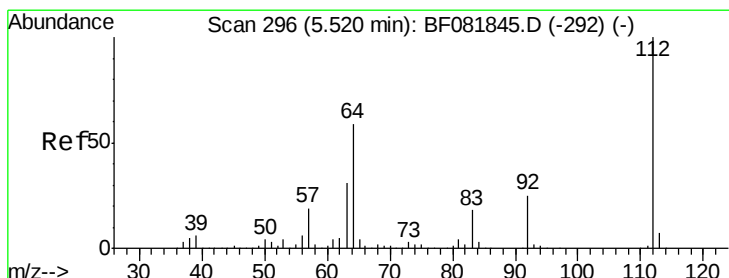
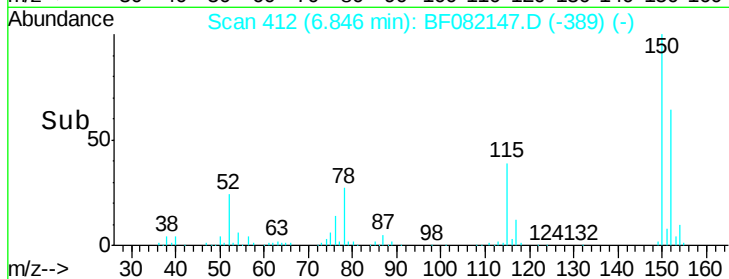
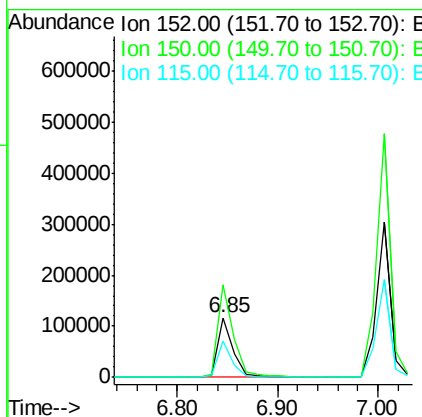
Instrument :
 BNA_F
 ClientSampleId :
 PROPOSED-TOPSOIL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.7	187.1
115	60.4	39.0	58.4

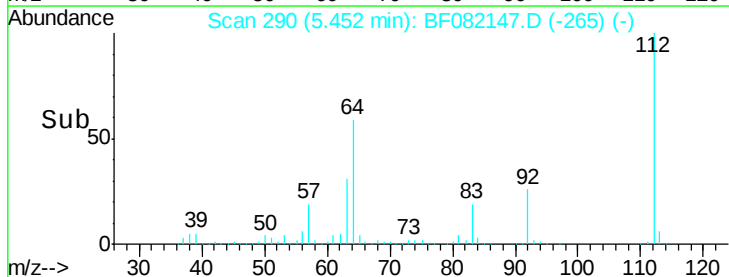
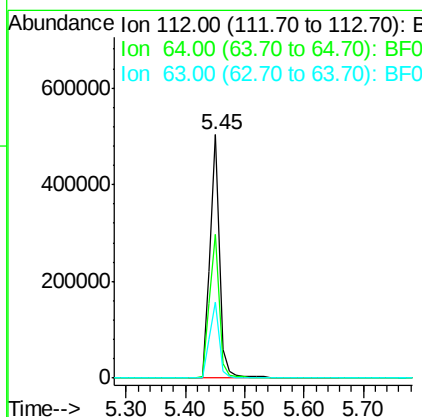
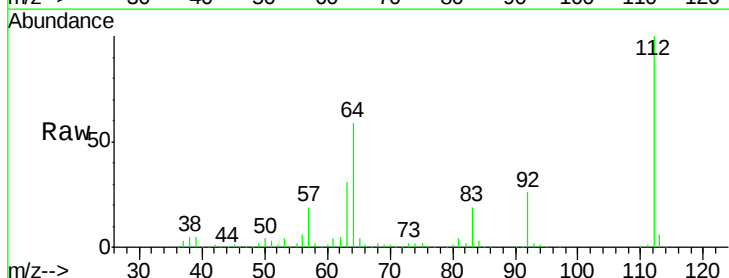
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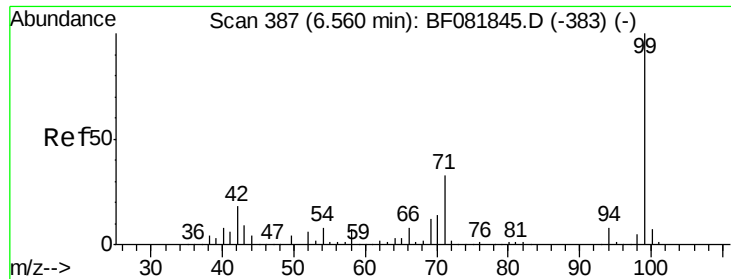
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#5
 2-Fluorophenol
 Concen: 82.32 ng
 RT: 5.45 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: BF082147.D
 Acq: 9 Oct 2015 16:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	39.7	59.5
63	31.3	17.4	26.0





#7

Phenol-d6

Concen: 85.77 ng

RT: 6.49 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF082147.D

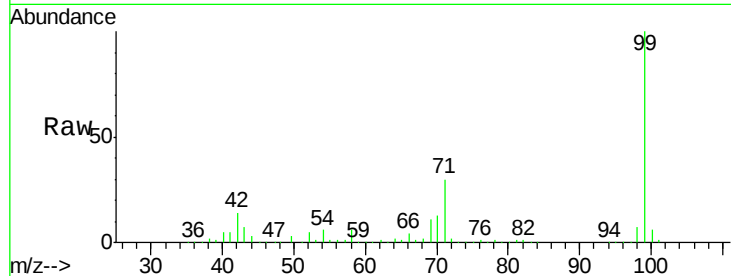
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Instrument :

BNA_F

ClientSampleId :

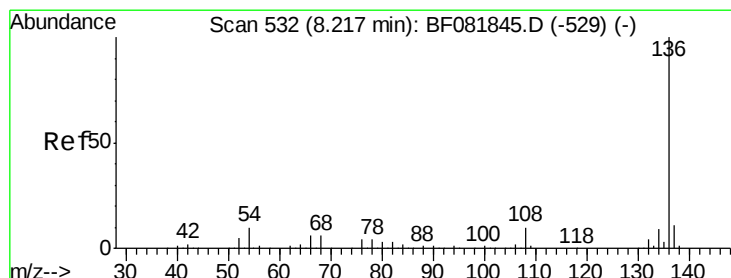
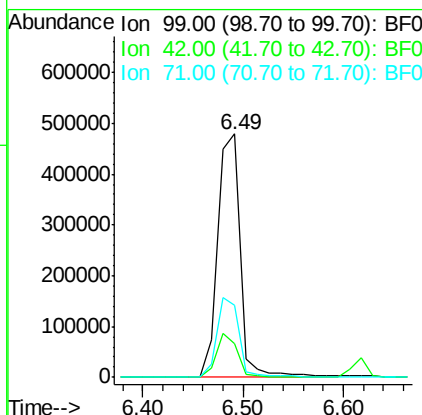
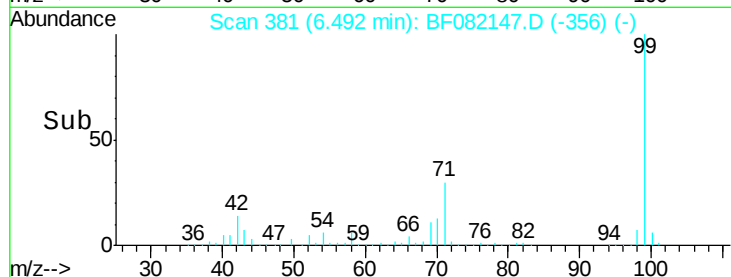
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Tgt Ion	Ratio	Lower	Upper
99	100		
42	14.0	13.7	20.5
71	29.5	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

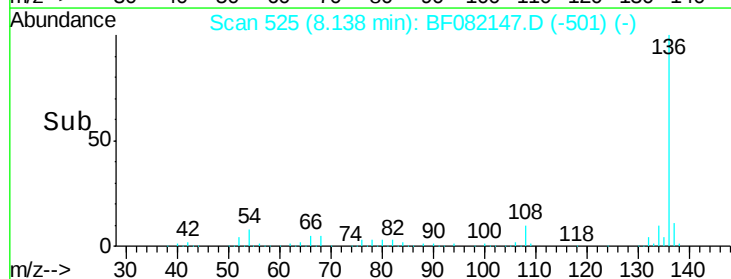
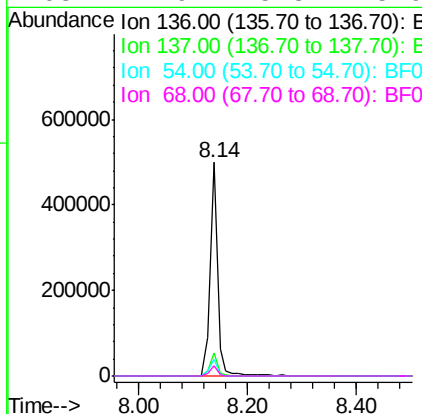
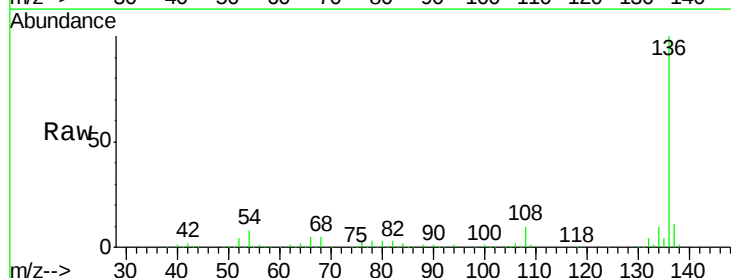
RT: 8.14 min Scan# 525

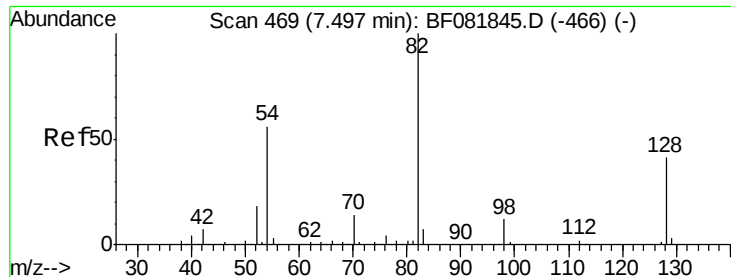
Delta R.T. -0.02 min

Lab File: BF082147.D

Acq: 9 Oct 2015 16:07

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	7.7	8.2	12.2#
68	4.9	5.8	8.6#





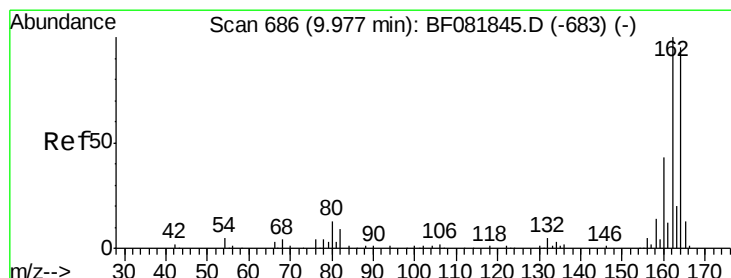
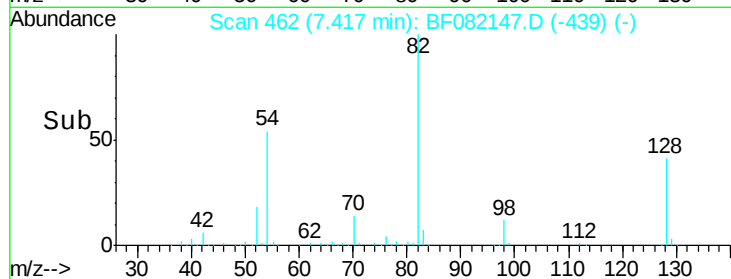
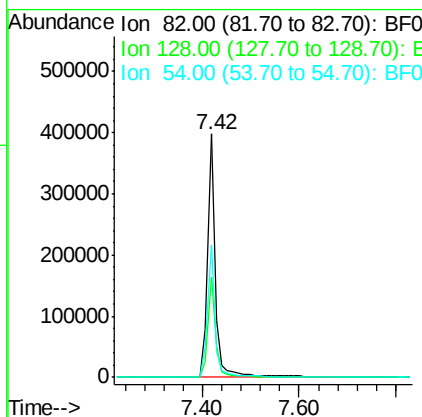
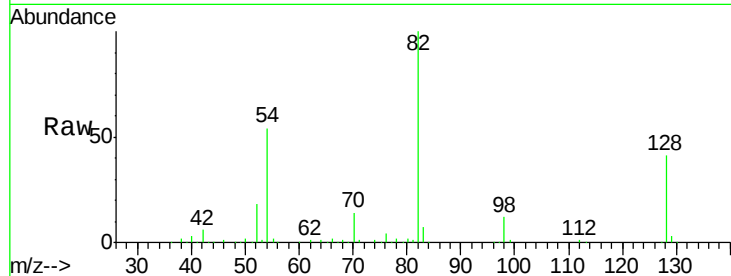
#23
 Nitrobenzene-d5
 Concen: 62.24 ng
 RT: 7.42 min Scan# 462
 Delta R.T. -0.03 min
 Lab File: BF082147.D
 Acq: 9 Oct 2015 16:07

Instrument :
 BNA_F
 ClientSampleId :
 PROPOSED-TOPSOIL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.3	51.0	76.6#
54	54.4	47.5	71.3

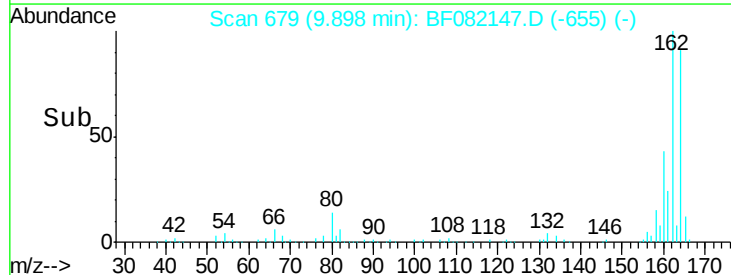
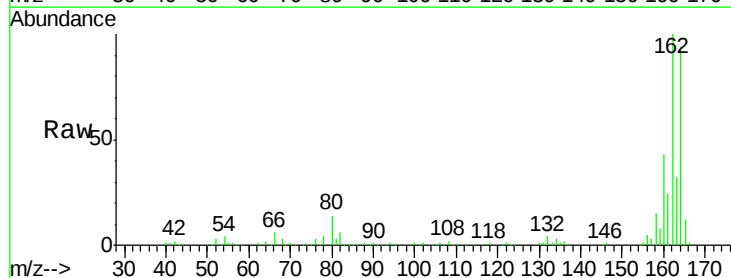
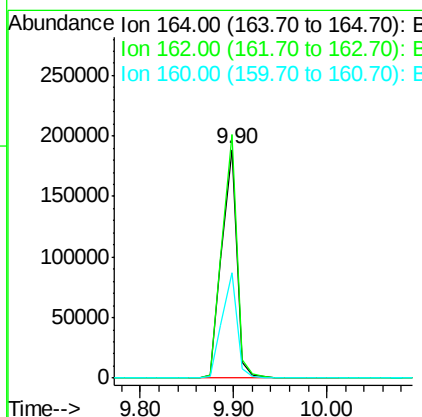
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 679
 Delta R.T. -0.02 min
 Lab File: BF082147.D
 Acq: 9 Oct 2015 16:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.7	75.2	112.8
160	46.4	31.5	47.3





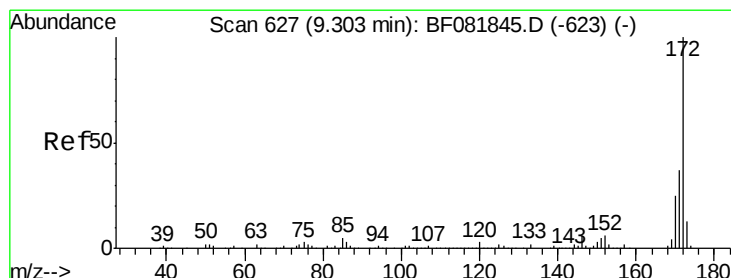
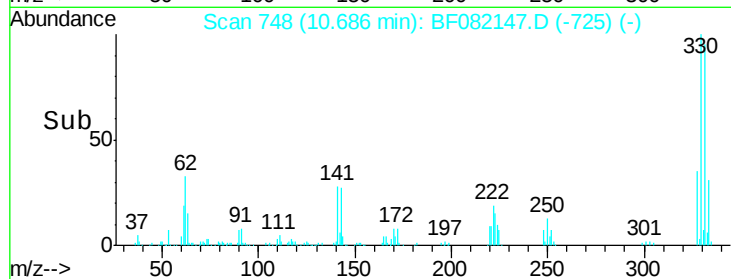
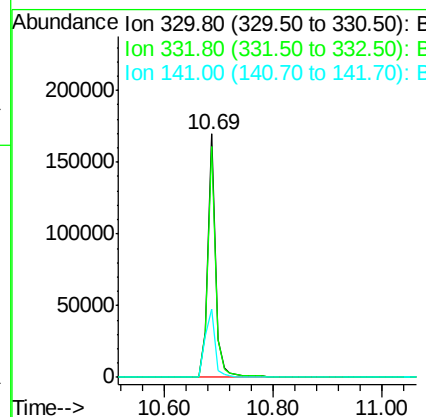
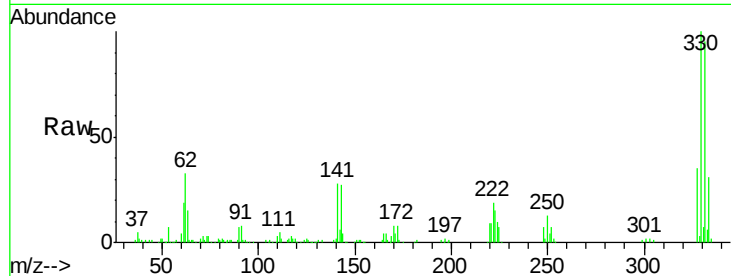
#41
 2,4,6-Tribromophenol
 Concen: 79.22 ng
 RT: 10.69 min Scan# 748
 Delta R.T. -0.03 min
 Lab File: BF082147.D
 Acq: 9 Oct 2015 16:07

Instrument :
 BNA_F
 ClientSampleId :
 PROPOSED-TOPSOIL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	169586		
332	95.0	76.6	114.8	
141	35.3	29.7	44.5	

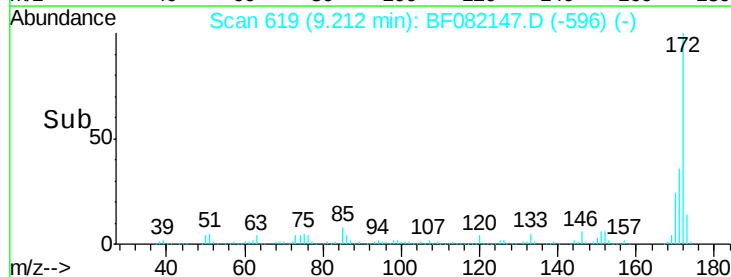
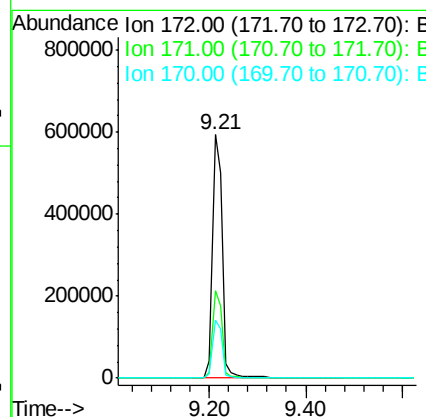
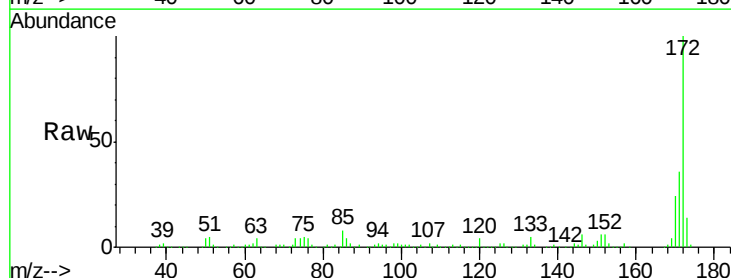
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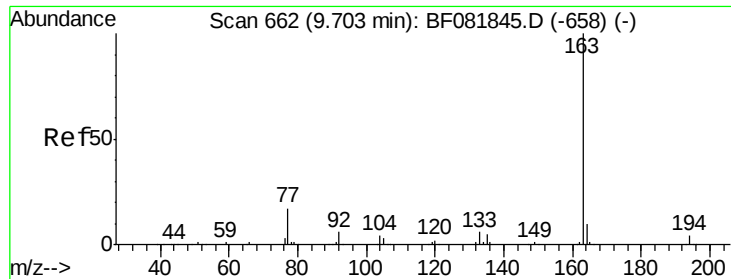
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#44
 2-Fluorobiphenyl
 Concen: 63.83 ng
 RT: 9.21 min Scan# 619
 Delta R.T. -0.03 min
 Lab File: BF082147.D
 Acq: 9 Oct 2015 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	846364		
171	35.9	26.1	39.1	
170	23.7	17.4	26.2	





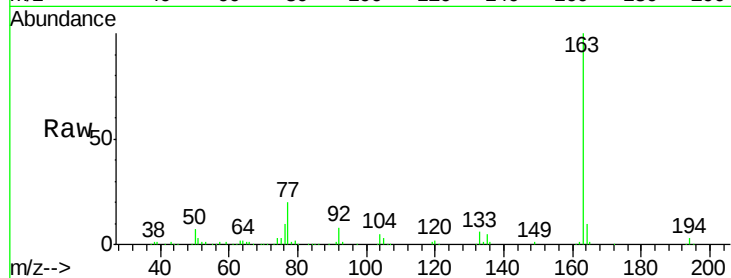
#49
Dimethylphthalate
Concen: 17.47 ng
RT: 9.61 min Scan# 654
Delta R.T. -0.03 min
Lab File: BF082147.D
Acq: 9 Oct 2015 16:07

Instrument :
BNA_F
ClientSampleId :
PROPOSED-TOPSOIL

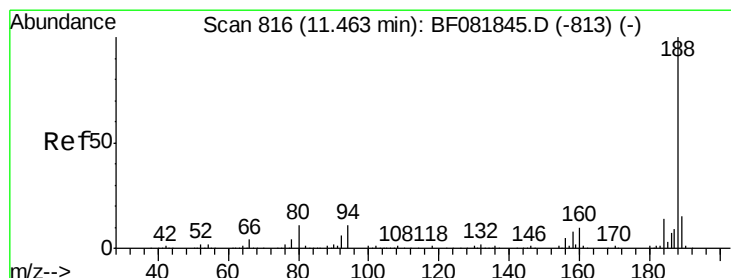
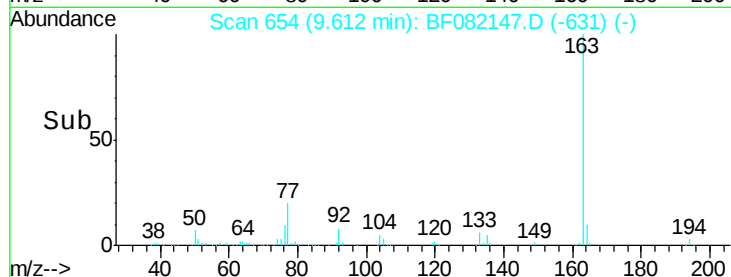
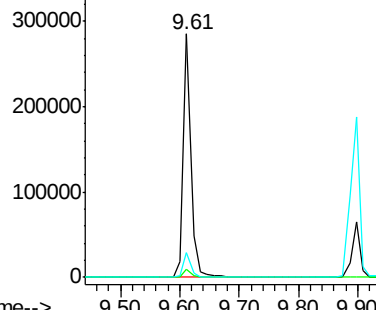
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	254909		
194	3.4	4.4	6.6#	
164	10.1	8.3	12.5	

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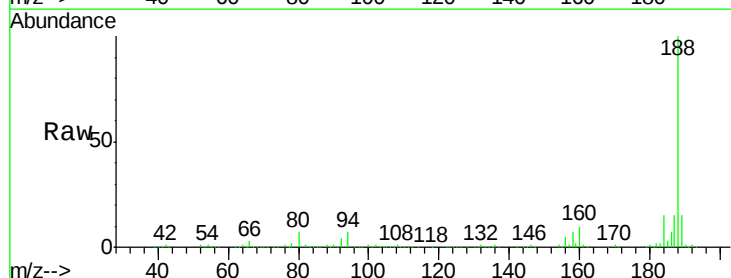


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

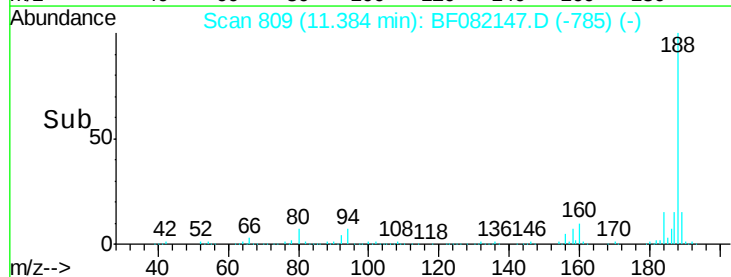
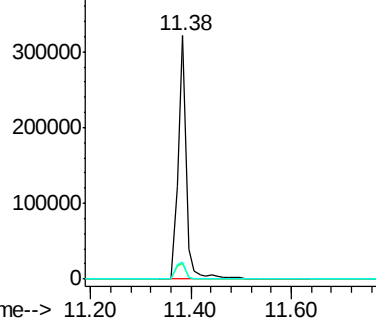


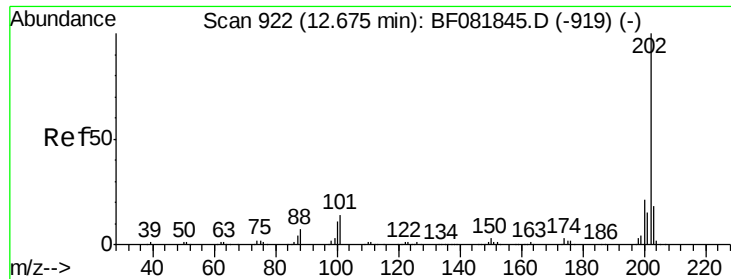
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF082147.D
Acq: 9 Oct 2015 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	364109		
94	6.7	11.1	16.7#	
80	7.0	11.0	16.4#	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





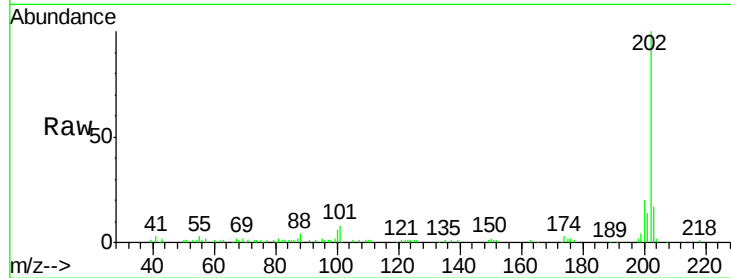
#74
Fluoranthene
Concen: 4.35 ng
RT: 12.60 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF082147.D
Acq: 9 Oct 2015 16:07

Instrument :
BNA_F
ClientSampleId :
PROPOSED-TOPSOIL

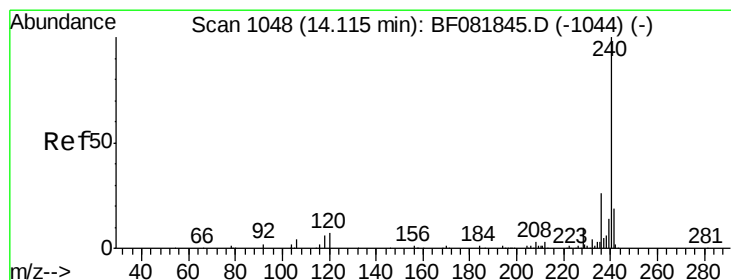
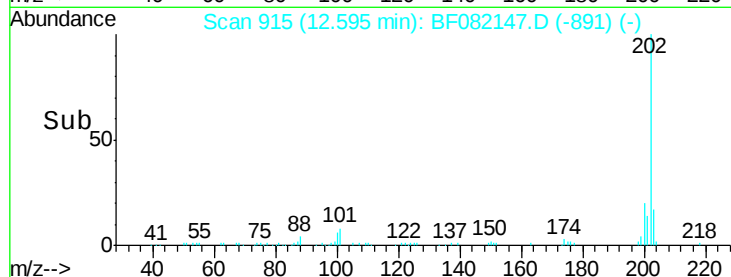
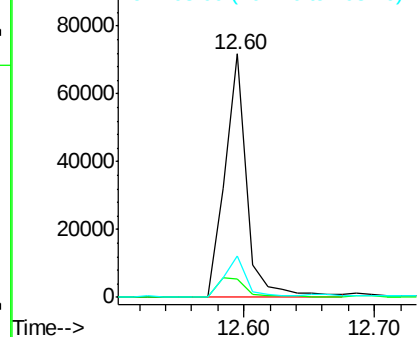
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.6	0.0	38.3
203	17.2	0.0	37.3

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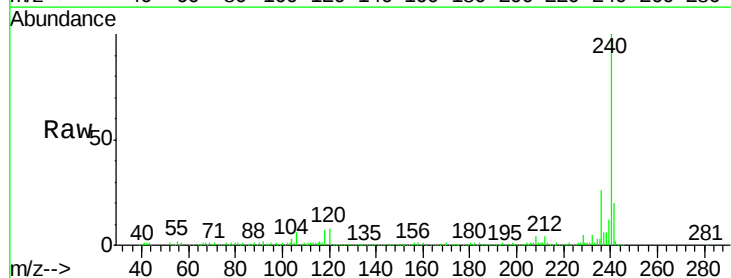


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

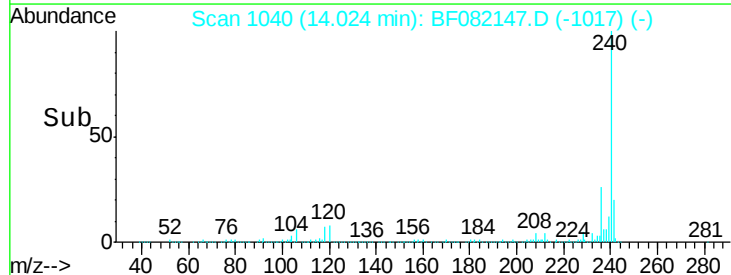
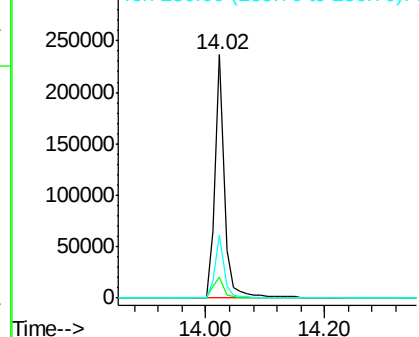


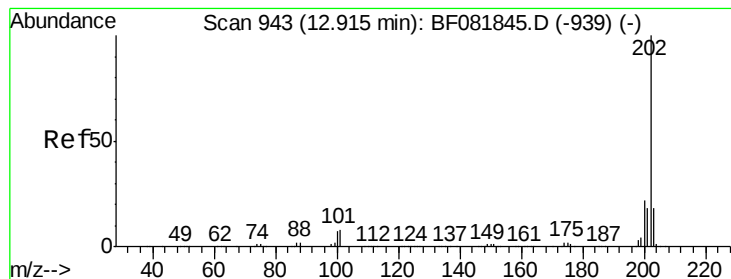
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BF082147.D
Acq: 9 Oct 2015 16:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	8.5	16.2	24.2#
236	26.0	18.4	27.6



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: 4.38 ng

RT: 12.82 min Scan# 935

Delta R.T. -0.03 min

Lab File: BF082147.D

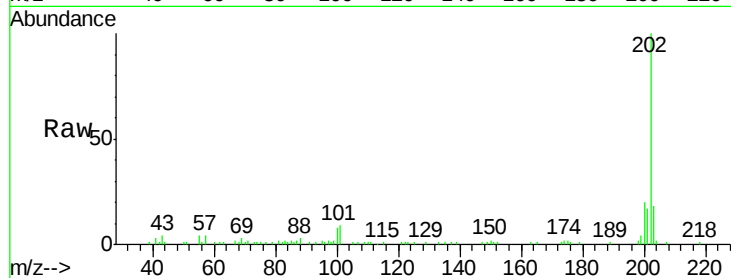
Acq: 9 Oct 2015 16:07

Instrument :

BNA_F

ClientSampleId :

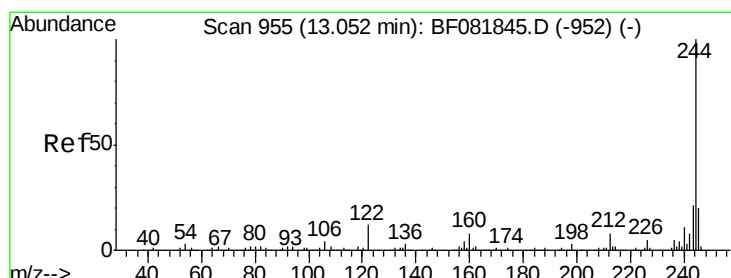
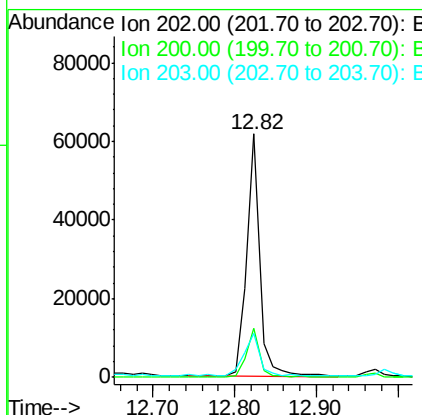
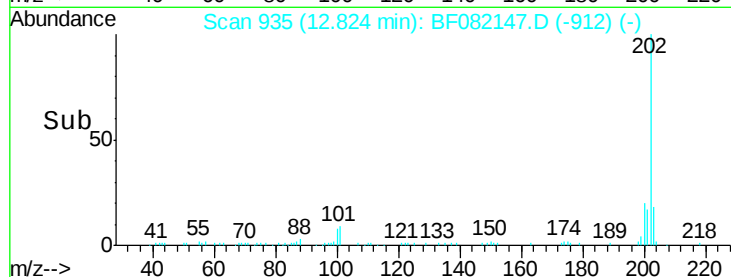
PROPOSED-TOPSOIL



Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	15.0	22.4
203	18.0	14.1	21.1

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#78

Terphenyl-d14

Concen: 78.88 ng

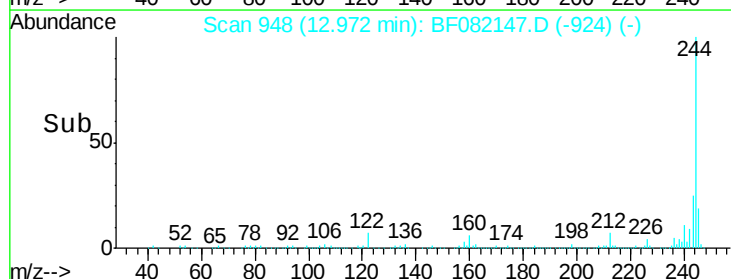
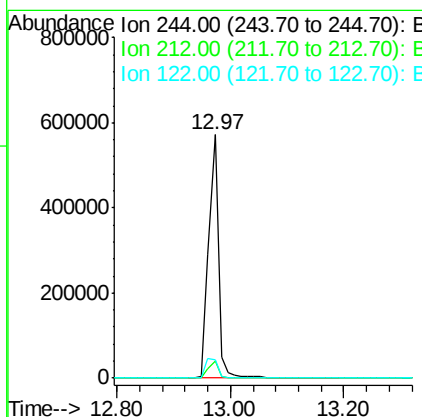
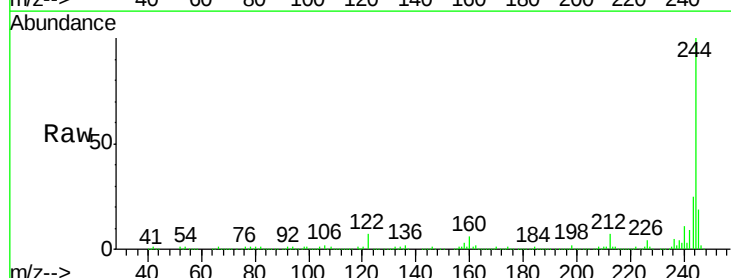
RT: 12.97 min Scan# 948

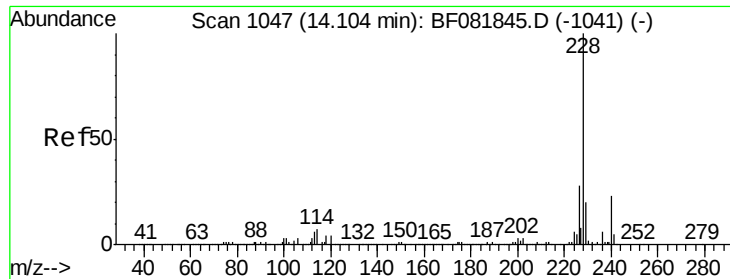
Delta R.T. -0.02 min

Lab File: BF082147.D

Acq: 9 Oct 2015 16:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	4.3	6.5#
122	7.4	17.4	26.2#





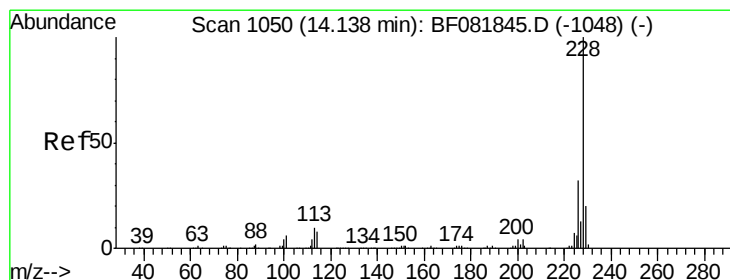
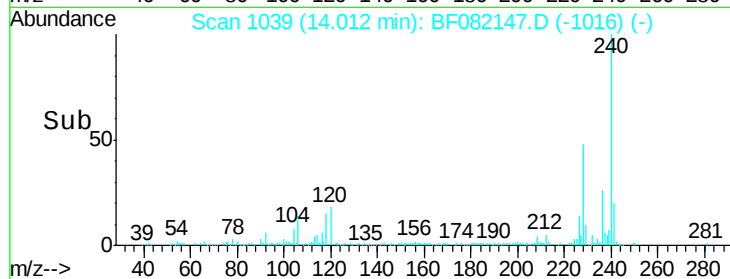
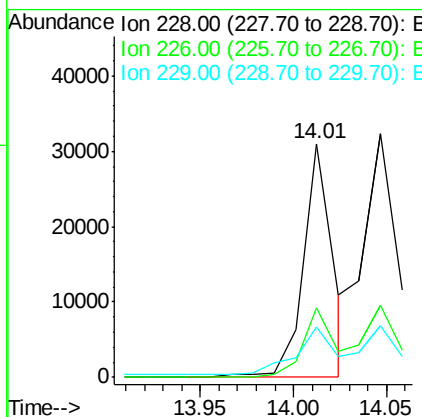
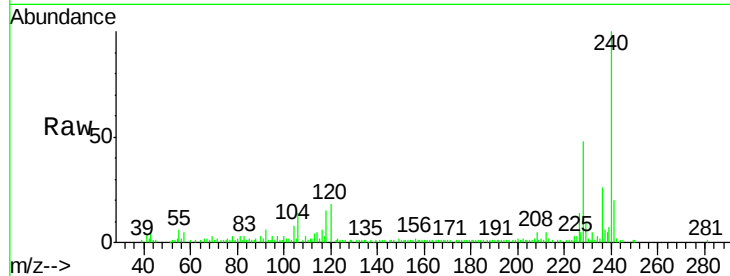
#80
Benzo(a)anthracene
Concen: 2.38 ng
RT: 14.01 min Scan# 1039
Delta R.T. -0.03 min
Lab File: BF082147.D
Acq: 9 Oct 2015 16:07

Instrument :
BNA_F
ClientSampleId :
PROPOSED-TOPSOIL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	20.0	30.0
229	21.3	15.4	23.2

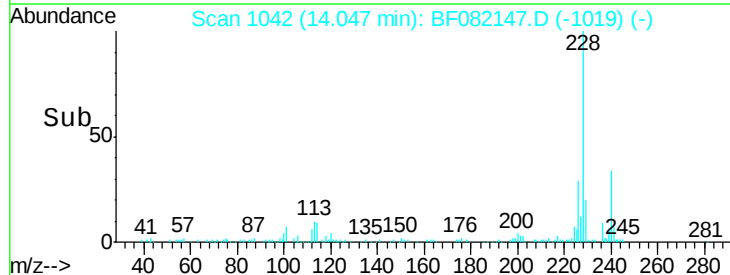
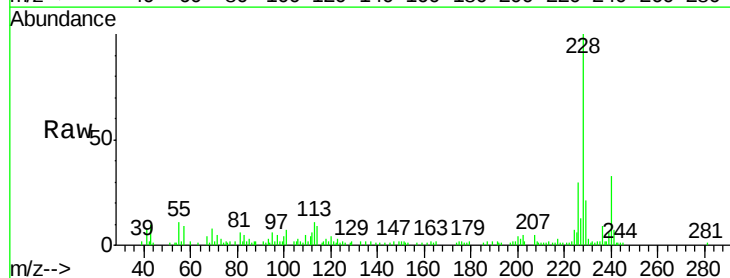
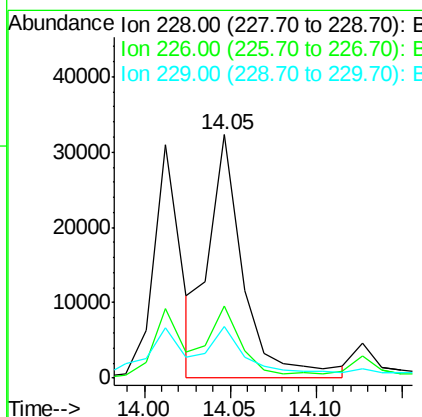
Manual Integrations
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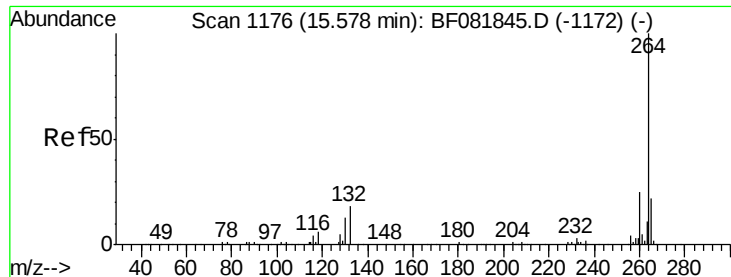
MMDadoda
10/12/2015 2:43:25 PM



#82
Chrysene
Concen: 3.28 ng m
RT: 14.05 min Scan# 1042
Delta R.T. -0.03 min
Lab File: BF082147.D
Acq: 9 Oct 2015 16:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.0	31.4
229	21.3	15.6	23.4





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 1166

Delta R.T. -0.03 min

Lab File: BF082147.D

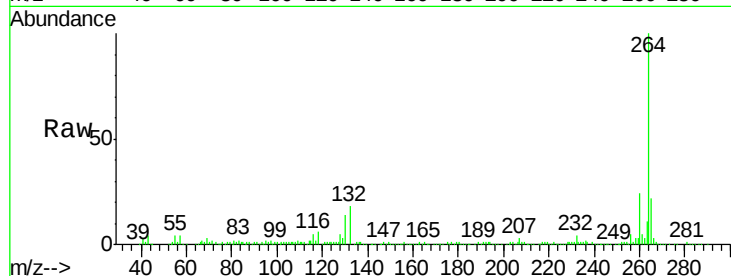
Acq: 9 Oct 2015 16:07

Instrument :

BNA_F

ClientSampleId :

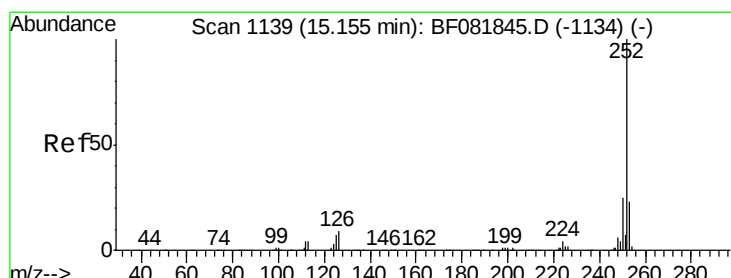
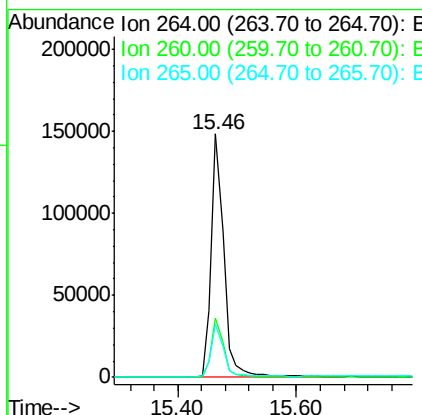
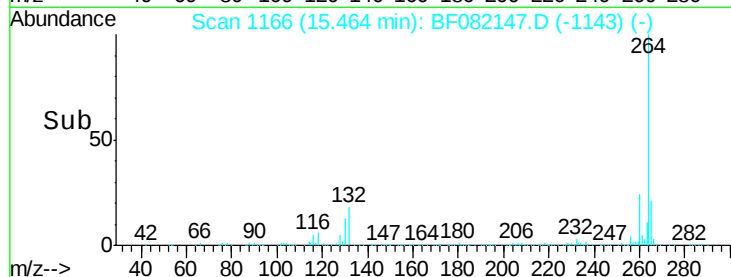
PROPOSED-TOPSOIL



Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	16.7	25.1
265	21.7	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 4.24 ng m

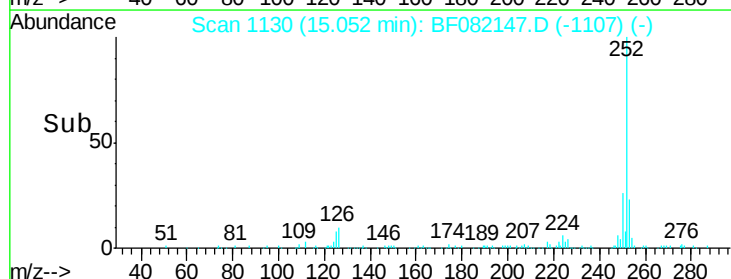
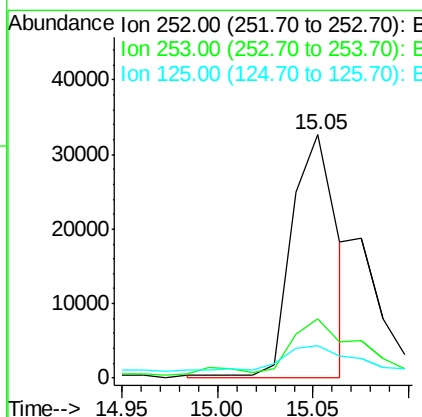
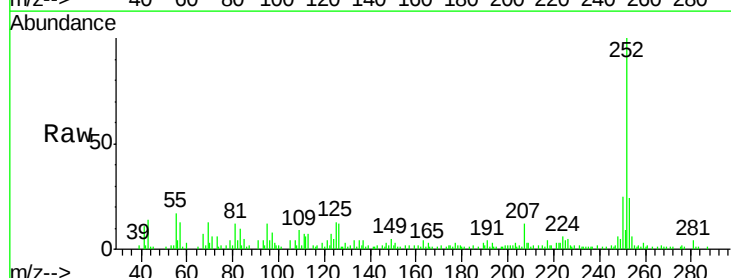
RT: 15.05 min Scan# 1130

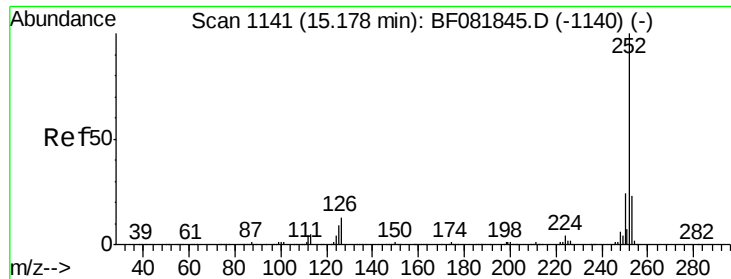
Delta R.T. -0.03 min

Lab File: BF082147.D

Acq: 9 Oct 2015 16:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	13.3	17.1	25.7#





#88

Benzo(k)fluoranthene

Concen: 2.07 ng m

RT: 15.08 min Scan# 1132

Delta R.T. -0.03 min

Lab File: BF082147.D

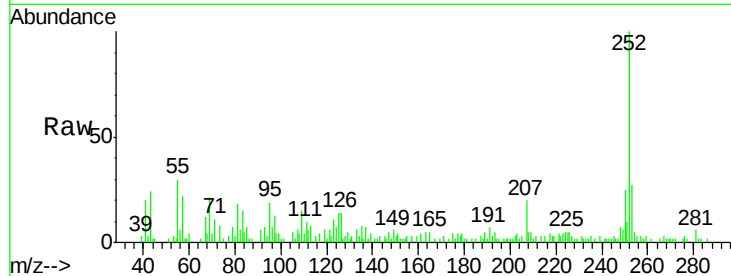
Acq: 9 Oct 2015 16:07

Instrument :

BNA_F

ClientSampleId :

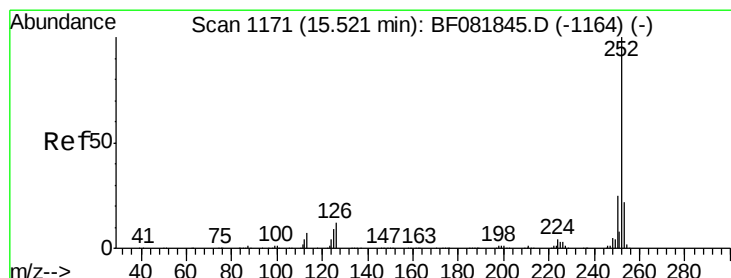
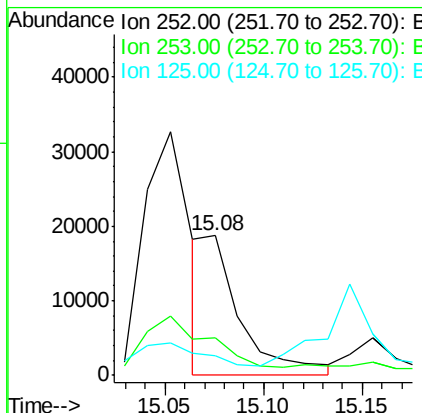
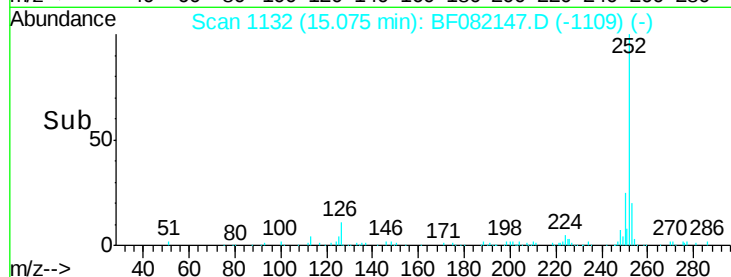
PROPOSED-TOPSOIL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.0	25.4#
125	13.8	16.0	24.0#

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#89

Benzo(a)pyrene

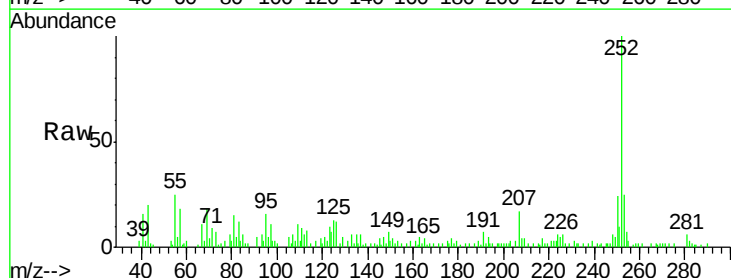
Concen: 3.12 ng

RT: 15.41 min Scan# 1161

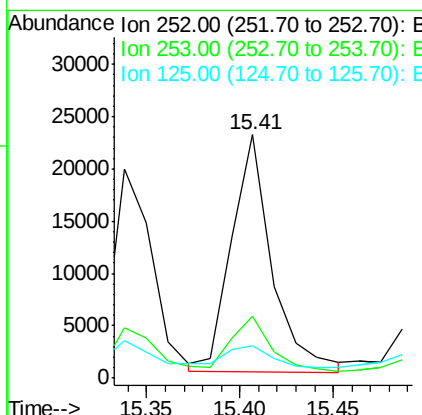
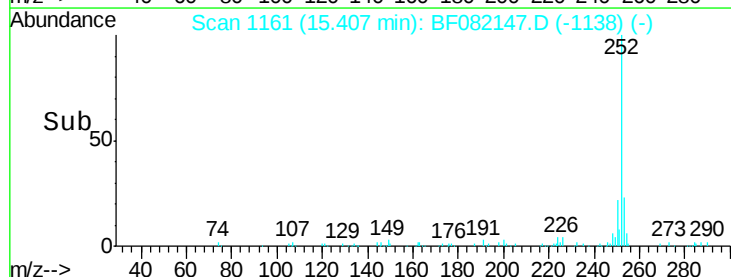
Delta R.T. -0.03 min

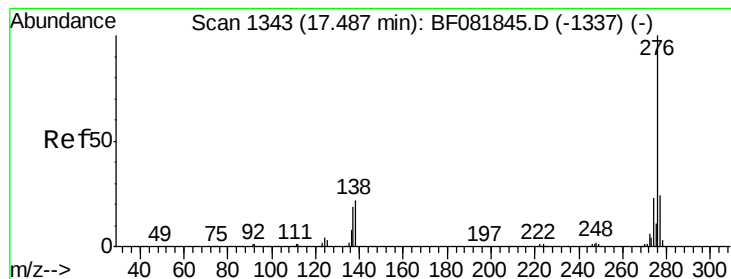
Lab File: BF082147.D

Acq: 9 Oct 2015 16:07



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.2	25.8
125	13.2	18.0	27.0#





#91

Benzo(g,h,i)perylene

Concen: 2.47 ng

RT: 17.32 min Scan# 1328

Delta R.T. -0.06 min

Lab File: BF082147.D

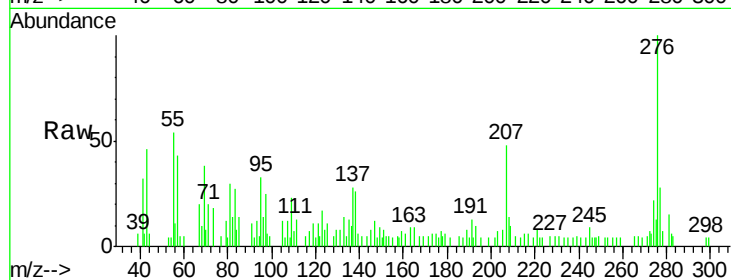
Acq: 9 Oct 2015 16:07

Instrument :

BNA_F

ClientSampleId :

PROPOSED-TOPSOIL



Tgt Ion:	276	Resp:	23414
Ion Ratio	Lower	Upper	
276	100		
277	28.3	17.8	26.6#
138	26.0	34.6	51.8#

Manual Integrations
APPROVED

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