

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086967.D
 Acq On : 13 May 2016 11:04
 Operator : UM/SJ
 Sample : H2916-04RE
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-4KRE

Manual Integrations
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Quant Time: May 13 14:50:23 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	147550m	20.00	ng	-0.08
21) Naphthalene-d8	7.91	136	568307	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	230163	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	345641	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	326670	20.00	ng	-0.08
86) Perylene-d12	15.12	264	258306	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	271976	31.22	ng	-0.08
7) Phenol-d6	6.28	99	406503	34.91	ng	-0.08
23) Nitrobenzene-d5	7.19	82	250003	22.09	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	143730	58.99	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	518415	37.85	ng	-0.08
78) Terphenyl-d14	12.72	244	732025	47.54	ng	-0.08
Target Compounds						
31) Naphthalene	7.93	128	219015	7.69	ng	99
49) Dimethylphthalate	9.39	163	64861	3.69	ng	99
70) Phenanthrene	11.15	178	209702	11.37	ng	99
71) Anthracene	11.21	178	57275	3.04	ng	98
74) Fluoranthene	12.34	202	121524	6.41	ng	91
77) Pyrene	12.56	202	171058	6.84	ng	99
80) Benzo(a)anthracene	13.75	228	59221m	3.23	ng	
82) Chrysene	13.78	228	43406	2.33	ng	98
87) Benzo(b)fluoranthene	14.75	252	40179m	2.39	ng	
89) Benzo(a)pyrene	15.06	252	45838	3.17	ng	# 96

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

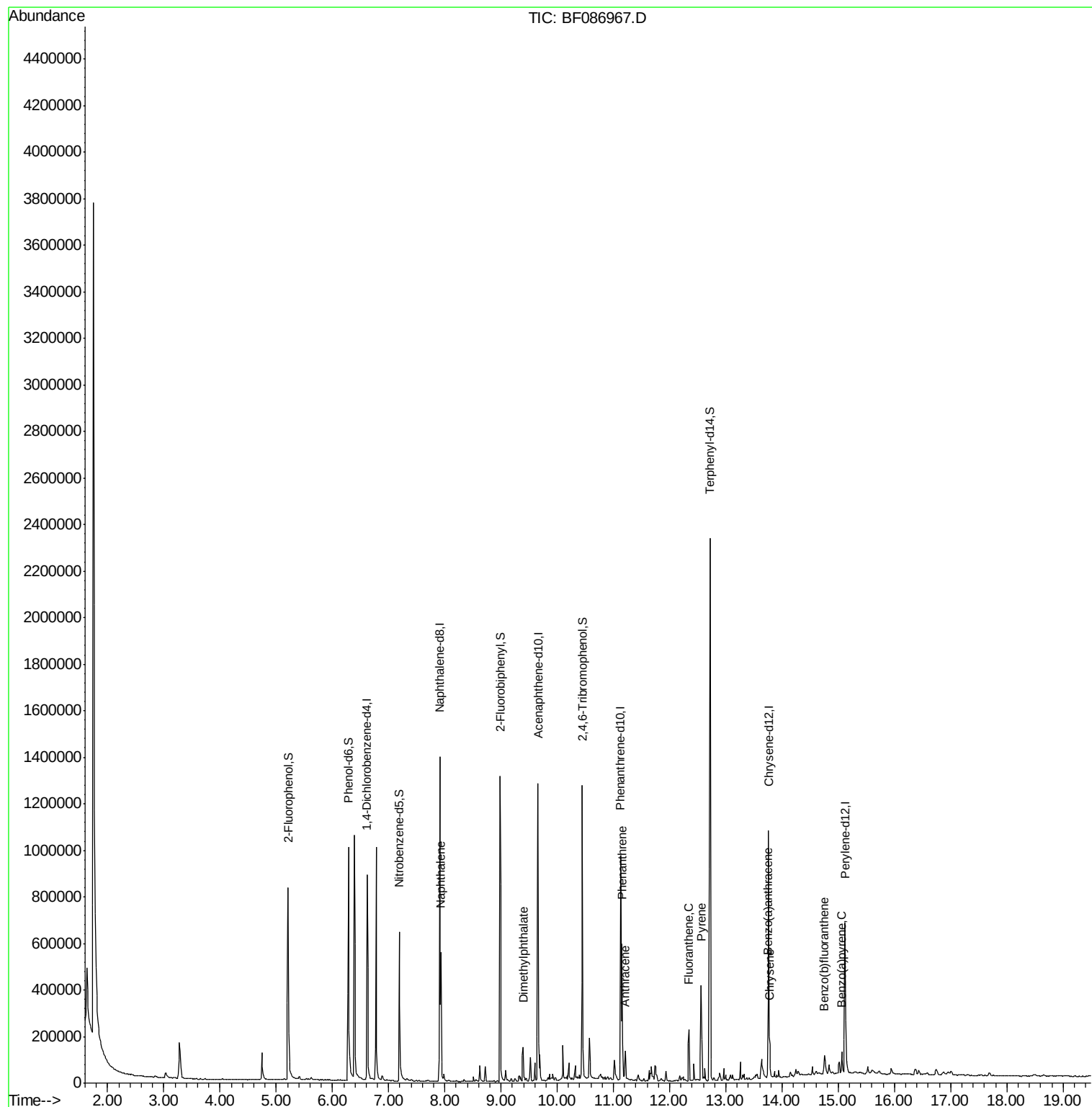
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086967.D
Acq On : 13 May 2016 11:04
Operator : UM/SJ
Sample : H2916-04RE
Misc :
ALS Vial : 41 Sample Multiplier: 1

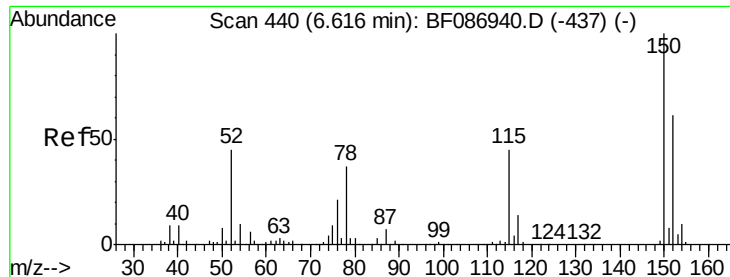
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-4KRE

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Quant Time: May 13 14:50:23 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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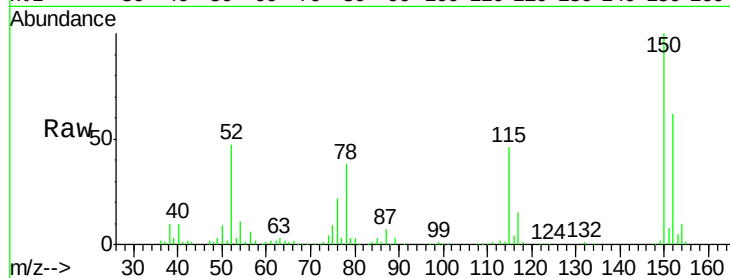




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.62 min Scan# 440
Delta R.T. -0.08 min
Lab File: BF086967.D
Acq: 13 May 2016 11:04

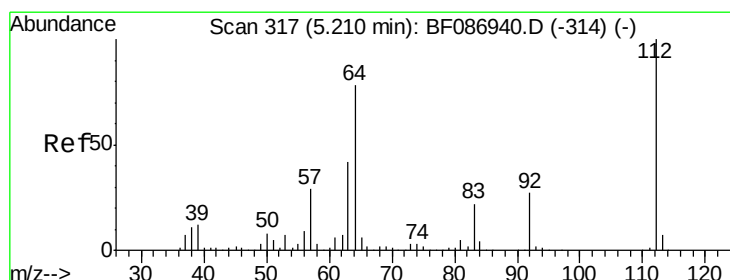
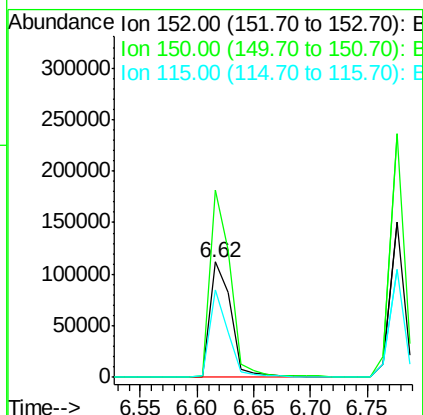
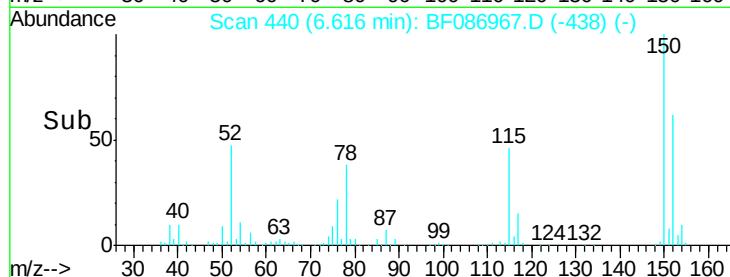
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-4KRE



Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.6	125.8	188.6
115	75.5	51.5	77.3

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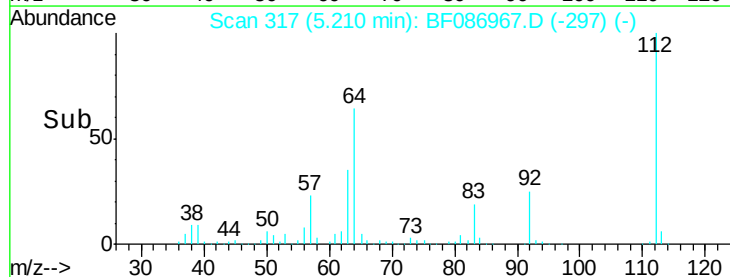
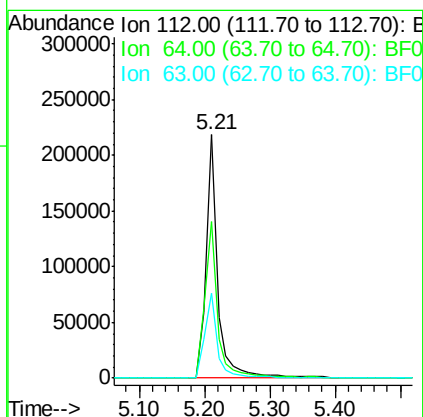
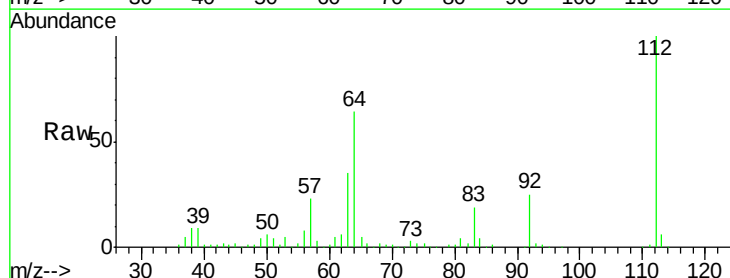
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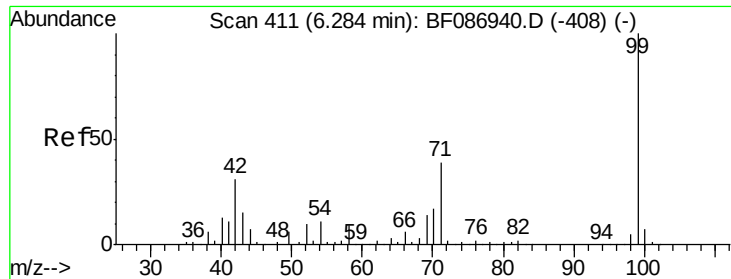


#5

2-Fluorophenol
Concen: 31.22 ng
RT: 5.21 min Scan# 317
Delta R.T. -0.08 min
Lab File: BF086967.D
Acq: 13 May 2016 11:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	52.1	78.1
63	34.8	25.7	38.5





#7

Phenol-d6

Concen: 34.91 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF086967.D

Acq: 13 May 2016 11:04

Instrument :

BNA_F

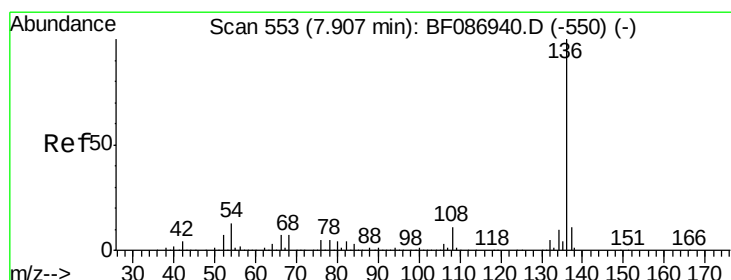
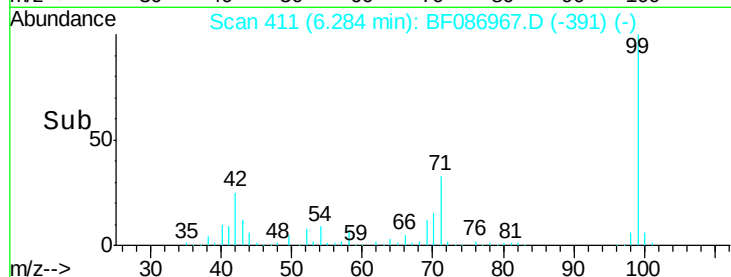
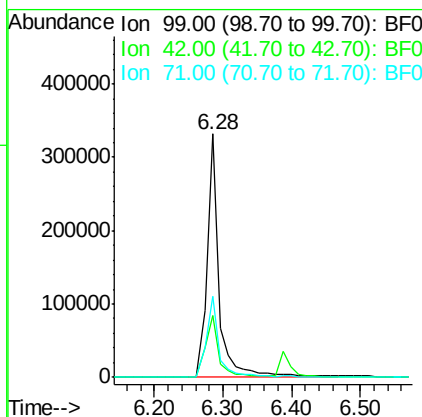
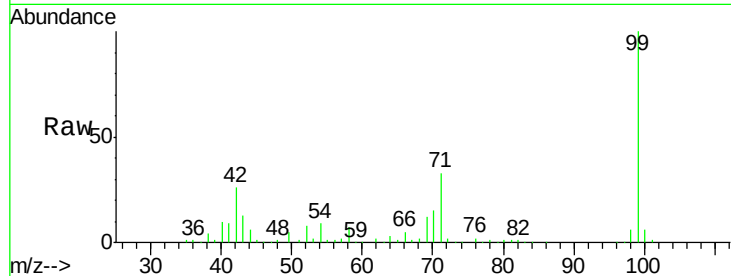
ClientSampleId :

VITALE-FILL-CSPH3-4KRE

Tgt Ion:	99	Resp:	406503
Ion Ratio	Lower	Upper	
99	100		
42	25.6	13.6	20.4#
71	33.2	24.6	36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

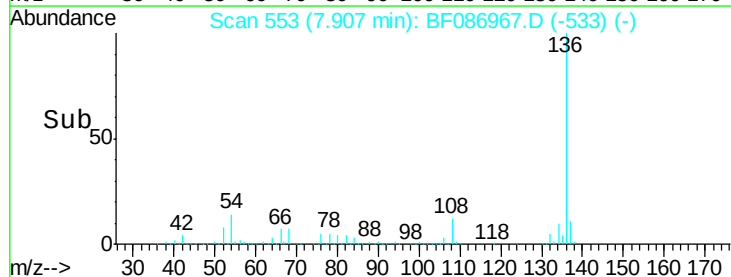
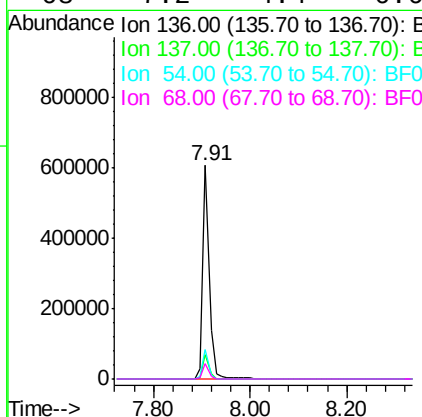
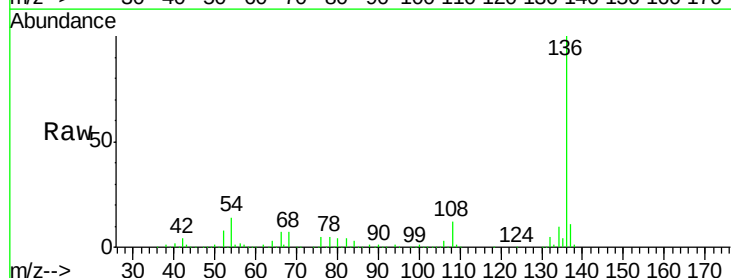
RT: 7.91 min Scan# 553

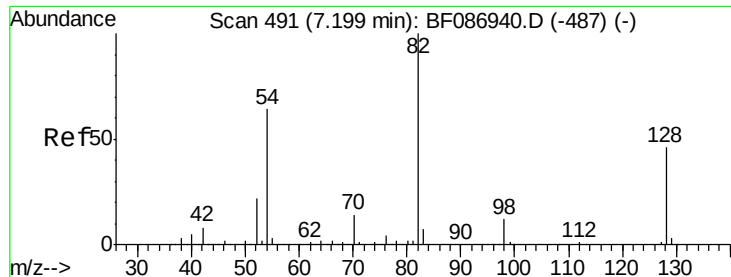
Delta R.T. -0.08 min

Lab File: BF086967.D

Acq: 13 May 2016 11:04

Tgt Ion:	136	Resp:	568307
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.8	13.2
54	13.8	5.0	7.4#
68	7.2	4.4	6.6#





#23

Nitrobenzene-d5

Concen: 22.09 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF086967.D

Acq: 13 May 2016 11:04

Instrument :

BNA_F

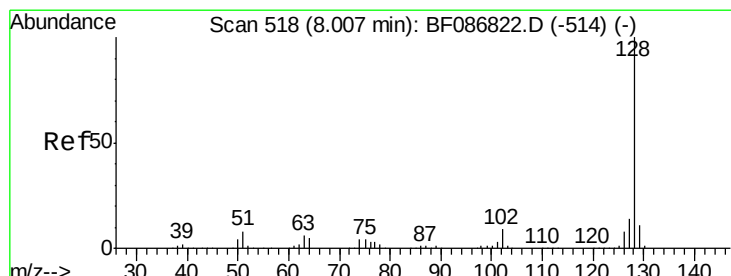
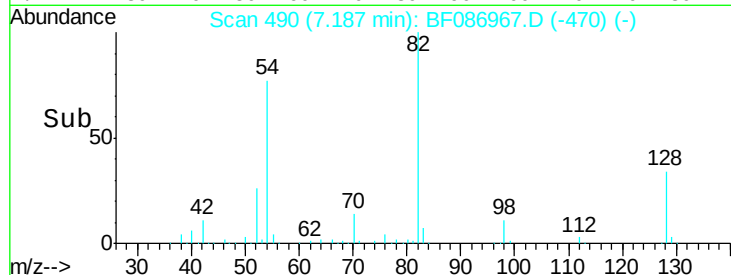
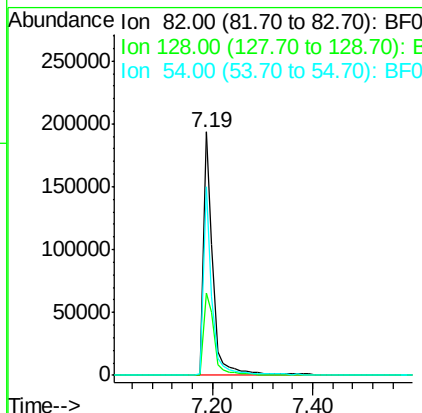
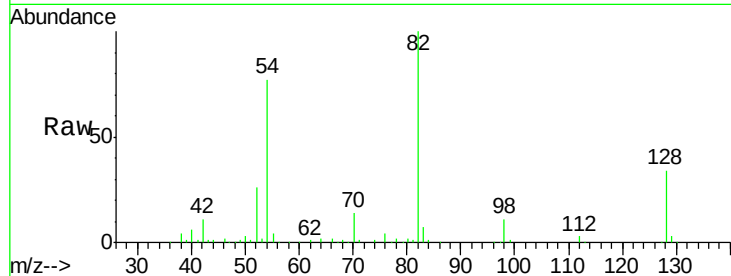
ClientSampleId :

VITALE-FILL-CSPH3-4KRE

Tgt Ion	82	Resp	250003
Ion Ratio	Lower	Upper	
82	100		
128	33.6	40.6	61.0#
54	77.4	38.1	57.1#

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#31

Naphthalene

Concen: 7.69 ng

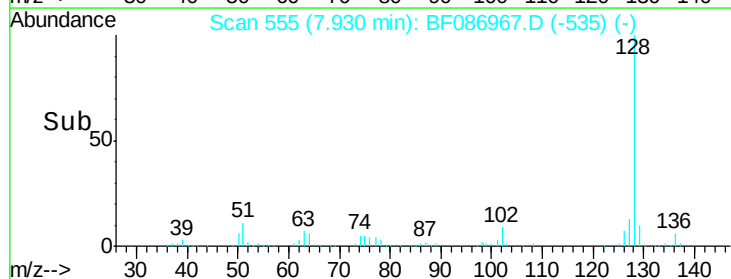
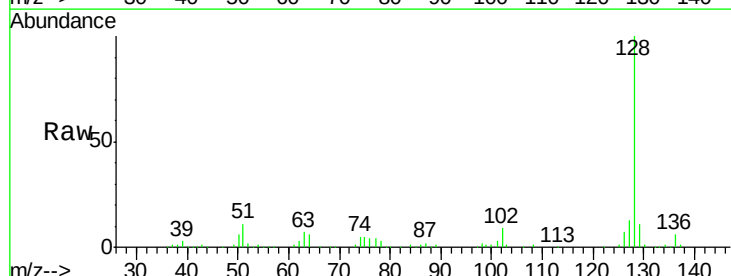
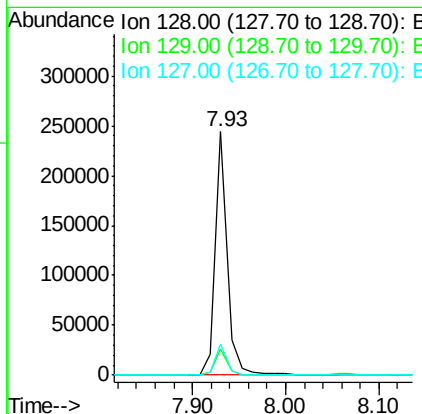
RT: 7.93 min Scan# 555

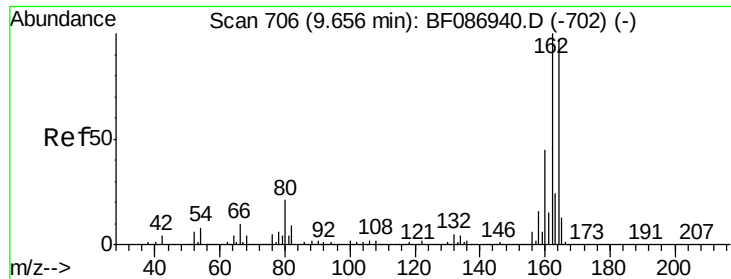
Delta R.T. -0.08 min

Lab File: BF086967.D

Acq: 13 May 2016 11:04

Tgt Ion	128	Resp	219015
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.6	13.0
127	12.6	10.8	16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.08 min

Lab File: BF086967.D

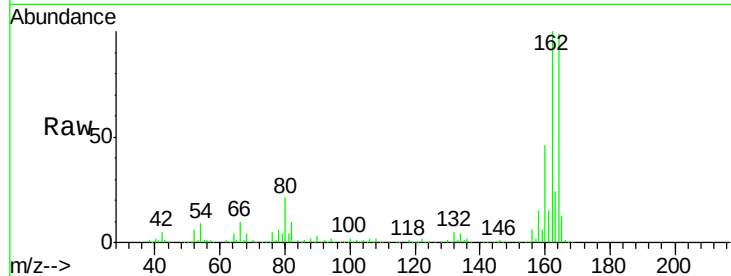
Acq: 13 May 2016 11:04

Instrument :

BNA_F

ClientSampleId :

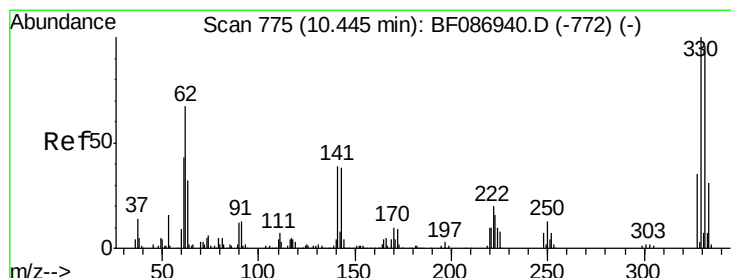
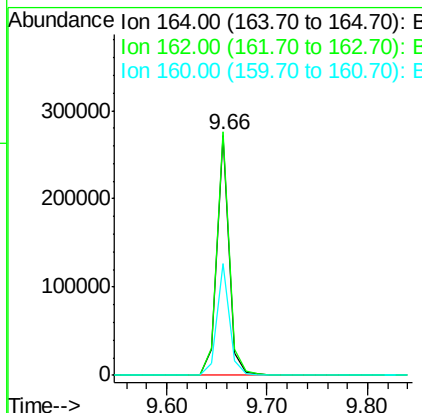
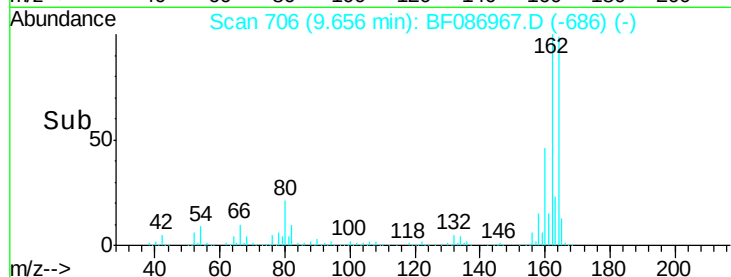
VITALE-FILL-CSPH3-4KRE



Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	82.8	124.2	
160	46.7	36.9	55.3	

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#41

2,4,6-Tribromophenol

Concen: 58.99 ng

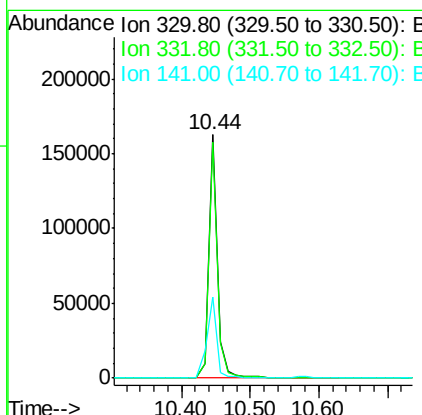
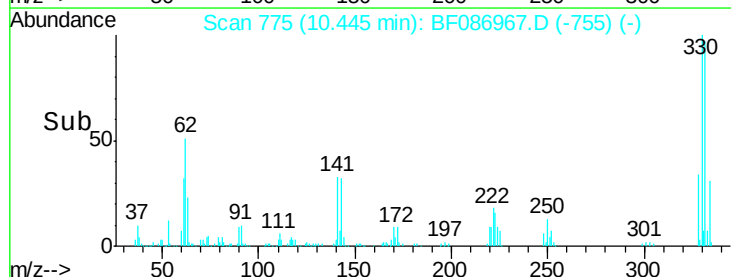
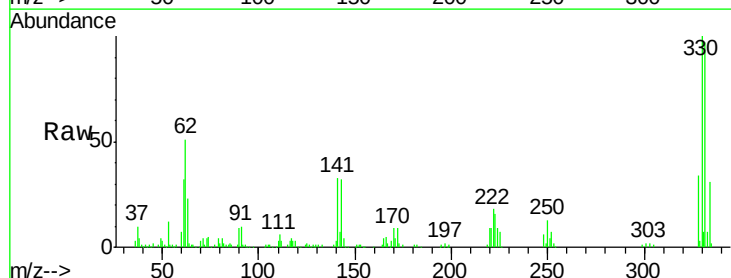
RT: 10.44 min Scan# 775

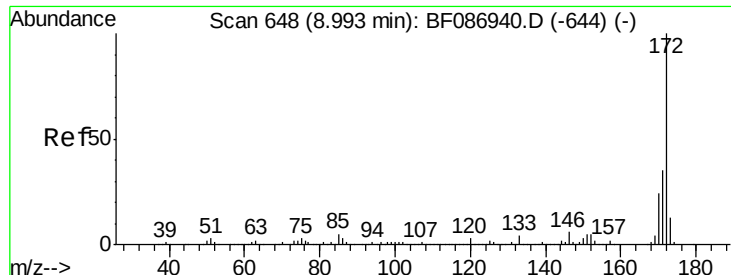
Delta R.T. -0.08 min

Lab File: BF086967.D

Acq: 13 May 2016 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	79.0	118.4	
141	38.2	31.2	46.8	





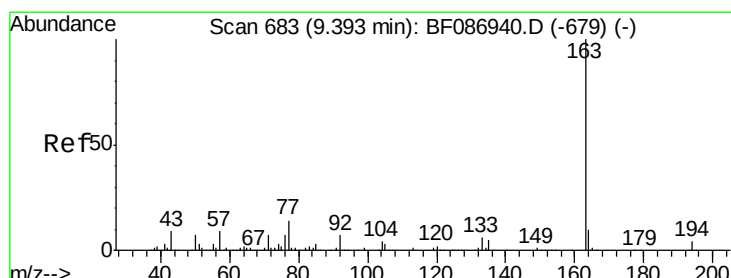
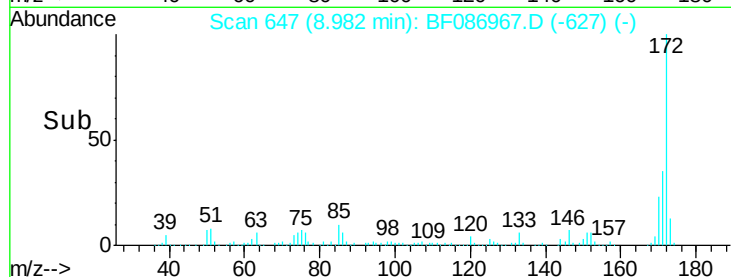
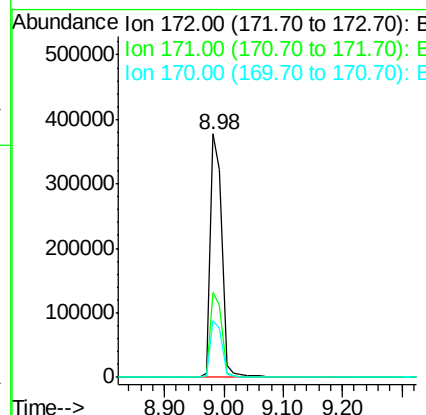
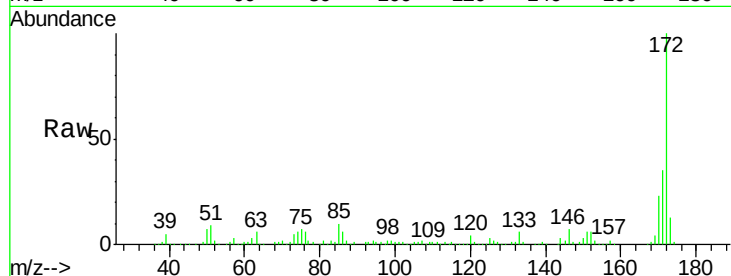
#44
2-Fluorobiphenyl
Concen: 37.85 ng
RT: 8.98 min Scan# 647
Delta R.T. -0.08 min
Lab File: BF086967.D
Acq: 13 May 2016 11:04

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-4KRE

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	518415		
171	34.9	29.0	43.6	
170	23.4	19.8	29.8	

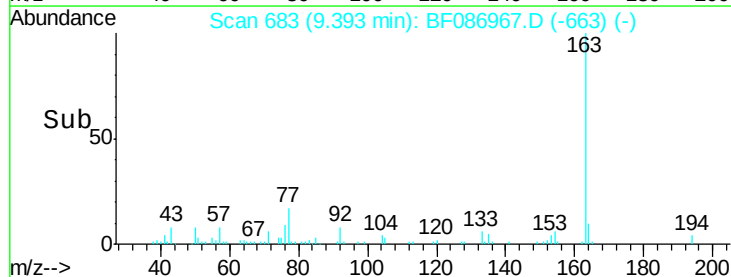
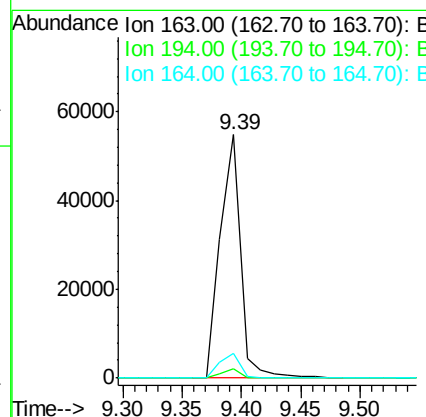
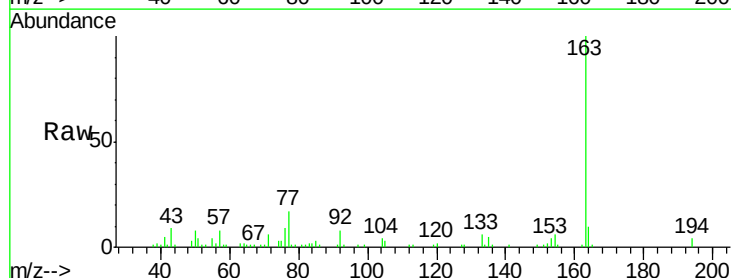
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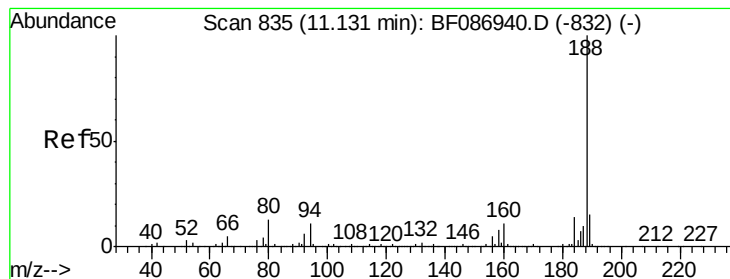
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#49
Dimethylphthalate
Concen: 3.69 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.08 min
Lab File: BF086967.D
Acq: 13 May 2016 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	64861		
194	3.9	2.6	4.0	
164	9.9	8.2	12.4	





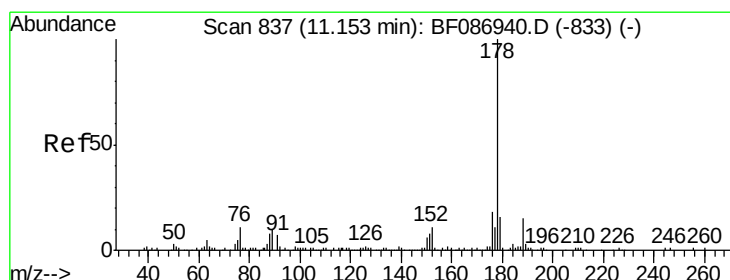
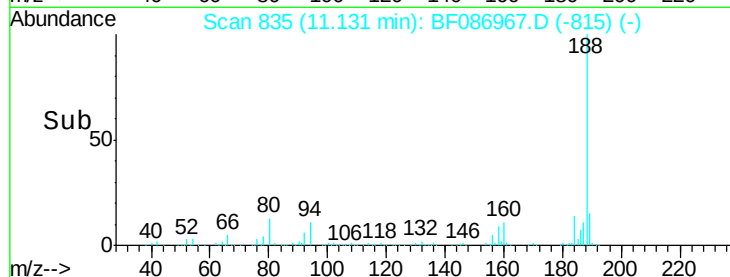
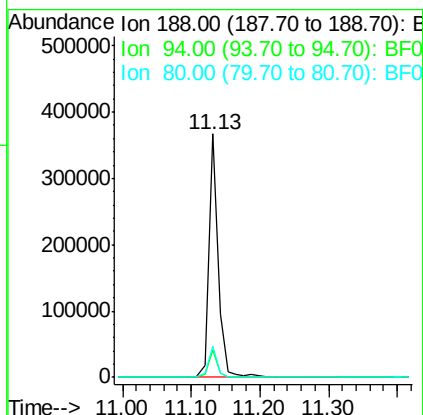
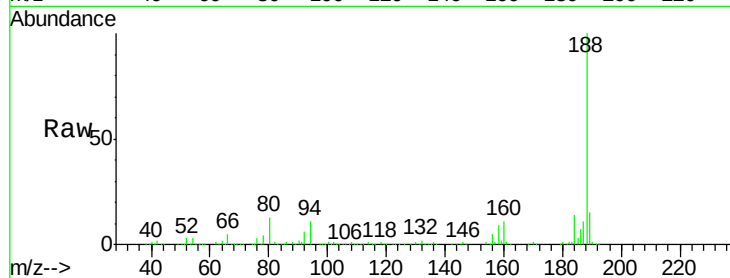
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.08 min
Lab File: BF086967.D
Acq: 13 May 2016 11:04

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-4KRE

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.4	6.8	10.2#
80	12.5	7.1	10.7#

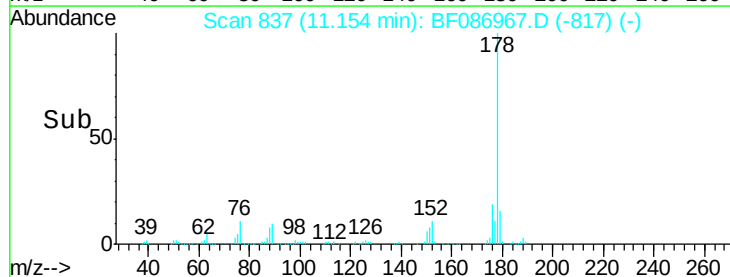
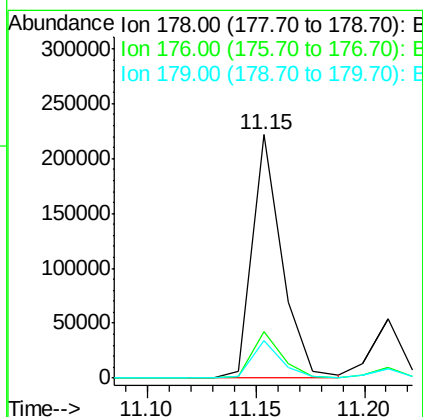
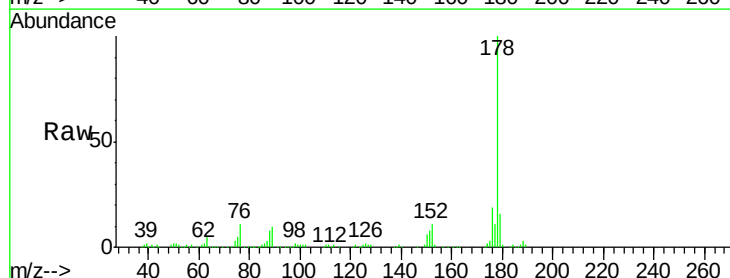
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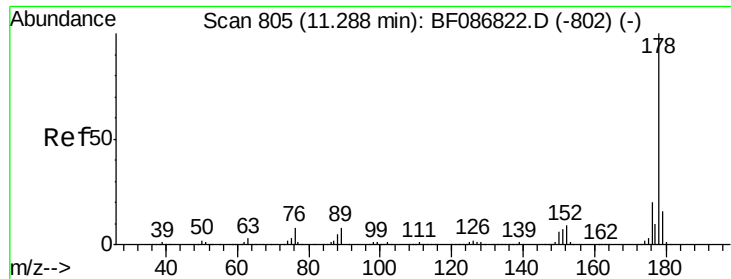
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#70
Phenanthrene
Concen: 11.37 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.08 min
Lab File: BF086967.D
Acq: 13 May 2016 11:04

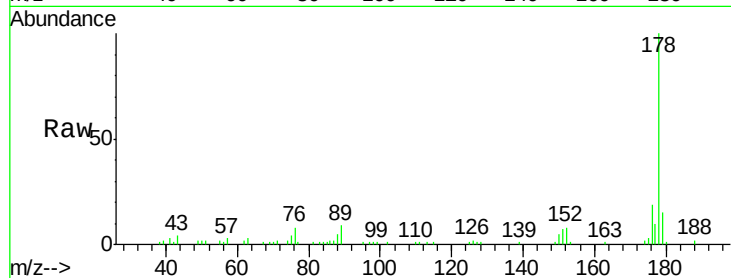
Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.2	16.0	24.0
179	15.5	12.6	18.8





#71
 Anthracene
 Concen: 3.04 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.08 min
 Lab File: BF086967.D
 Acq: 13 May 2016 11:04

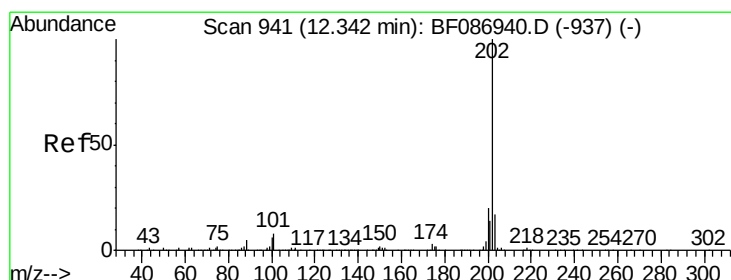
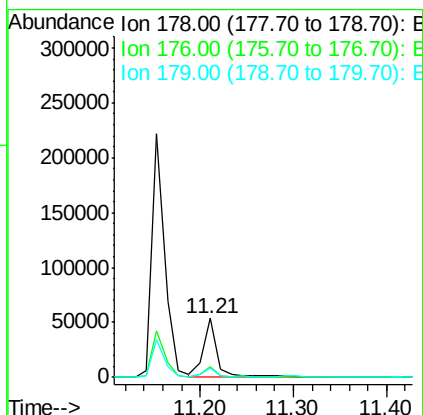
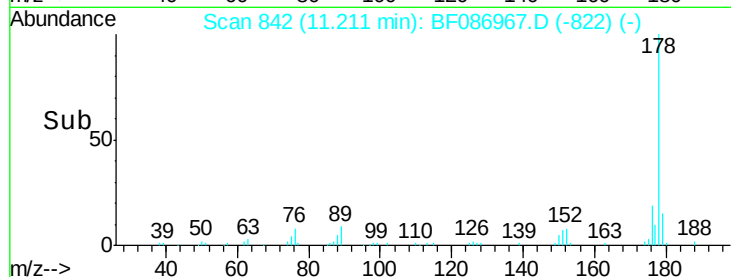
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-4KRE



Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	14.9	12.7	19.1

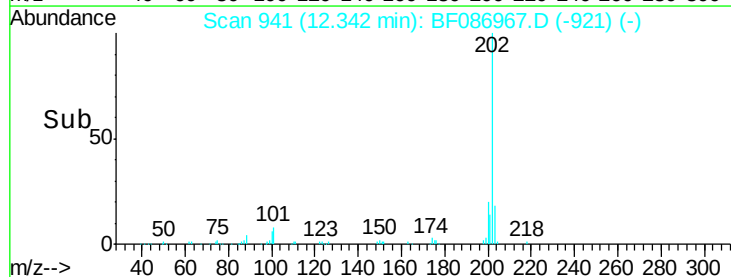
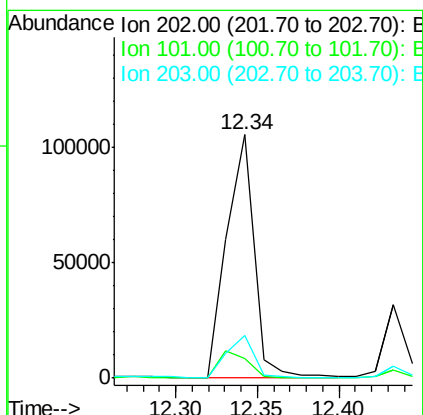
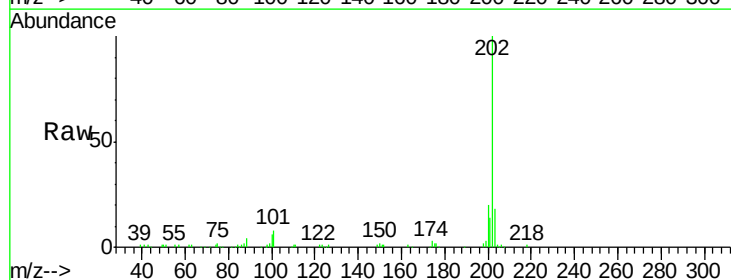
Manual Integrations
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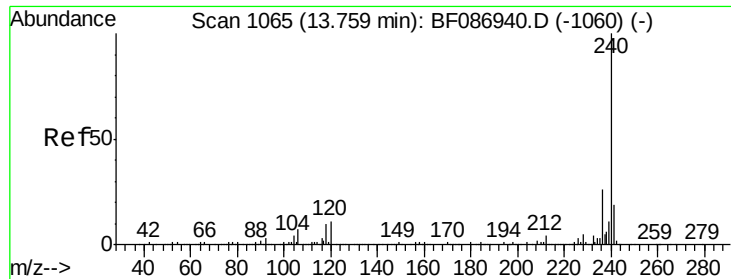
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#74
 Fluoranthene
 Concen: 6.41 ng
 RT: 12.34 min Scan# 941
 Delta R.T. -0.08 min
 Lab File: BF086967.D
 Acq: 13 May 2016 11:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	35.4
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF086967.D

Acq: 13 May 2016 11:04

Instrument :

BNA_F

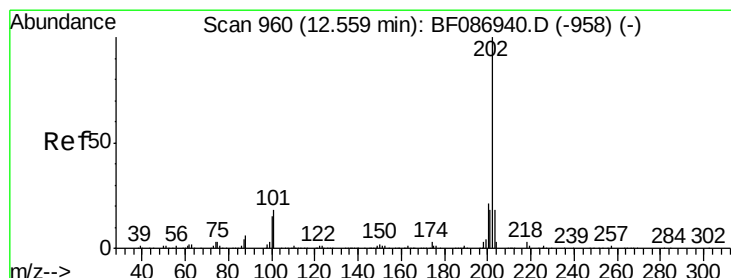
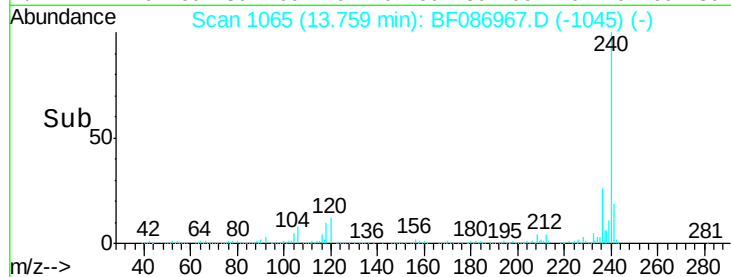
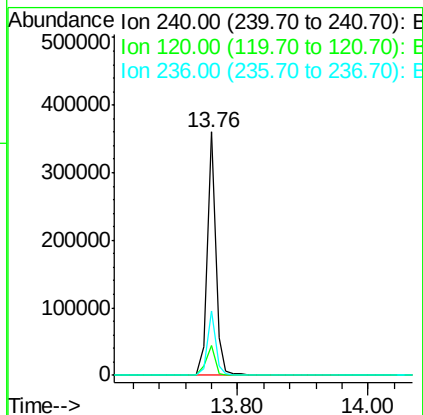
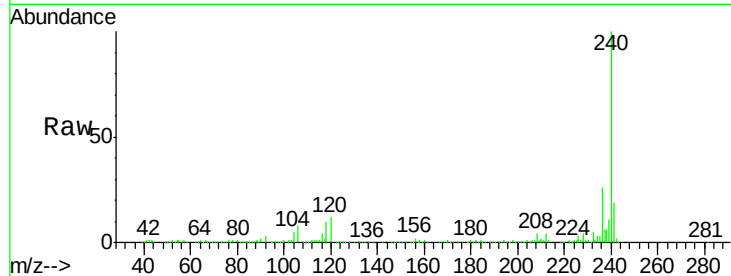
ClientSampleId :

VITALE-FILL-CSPH3-4KRE

Tgt Ion:	240	Resp:	326670
Ion Ratio	Lower	Upper	
240	100		
120	12.2	11.2	16.8
236	26.5	21.2	31.8

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#77

Pyrene

Concen: 6.84 ng

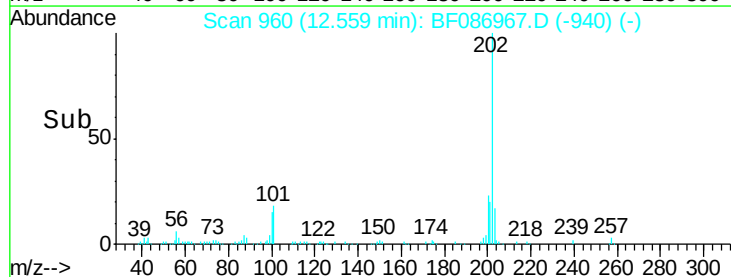
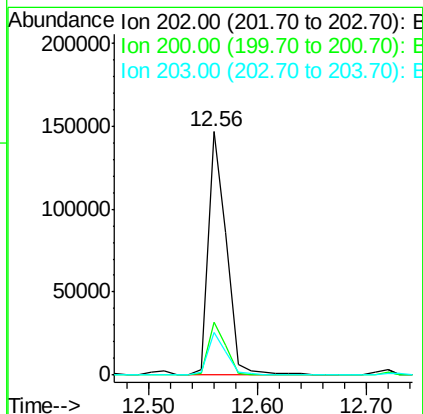
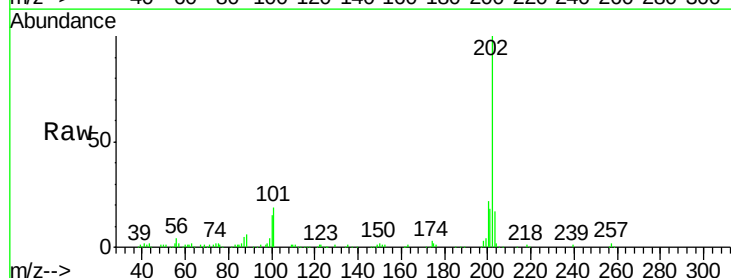
RT: 12.56 min Scan# 960

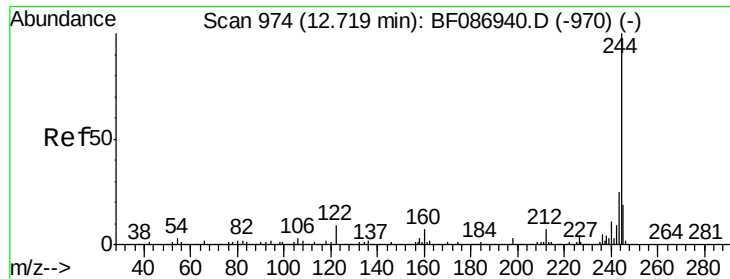
Delta R.T. -0.08 min

Lab File: BF086967.D

Acq: 13 May 2016 11:04

Tgt Ion:	202	Resp:	171058
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.7	26.5
203	17.5	14.2	21.4





#78

Terphenyl-d14

Concen: 47.54 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF086967.D

Acq: 13 May 2016 11:04

Instrument :

BNA_F

ClientSampleId :

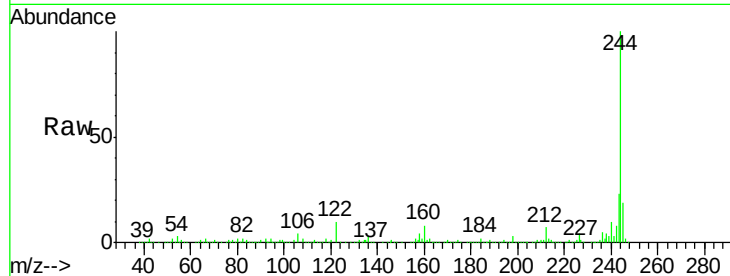
VITALE-FILL-CSPH3-4KRE

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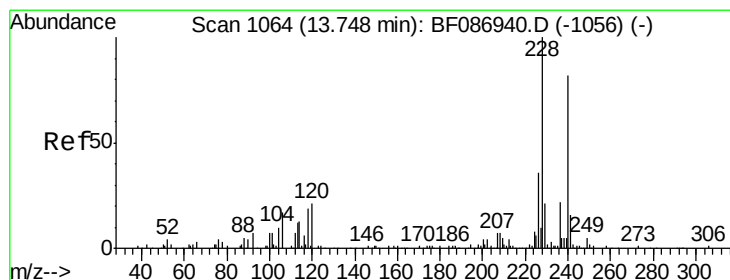
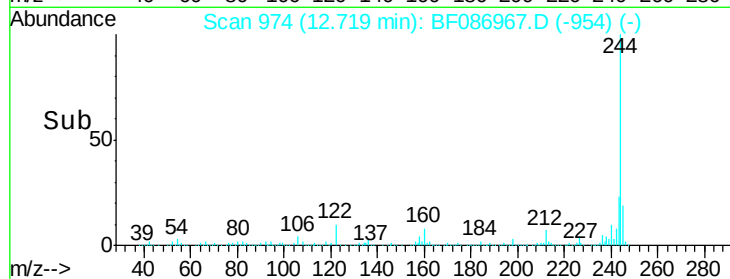
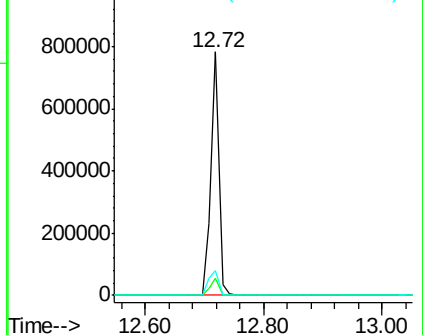
Tgt Ion:	244	Resp:	732025
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.2	9.2
122	10.4	12.0	18.0#



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: 3.23 ng m

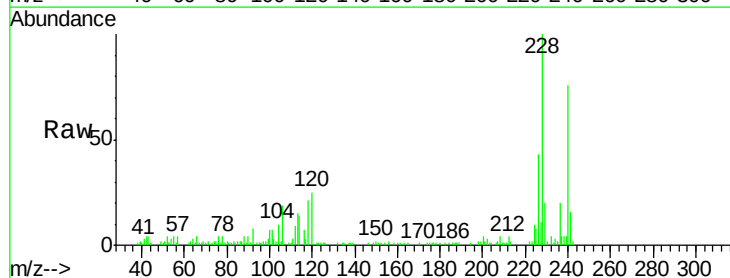
RT: 13.75 min Scan# 1064

Delta R.T. -0.08 min

Lab File: BF086967.D

Acq: 13 May 2016 11:04

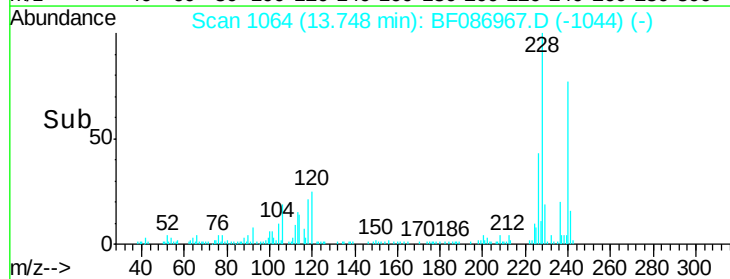
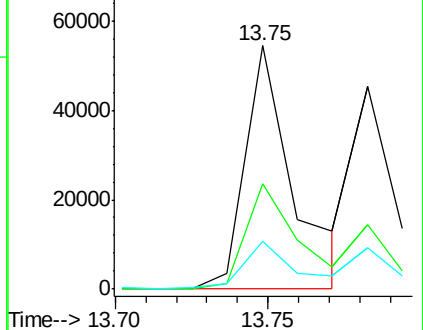
Tgt Ion:	228	Resp:	59221
Ion Ratio	Lower	Upper	
228	100		
226	43.1	22.5	33.7#
229	19.5	16.6	25.0

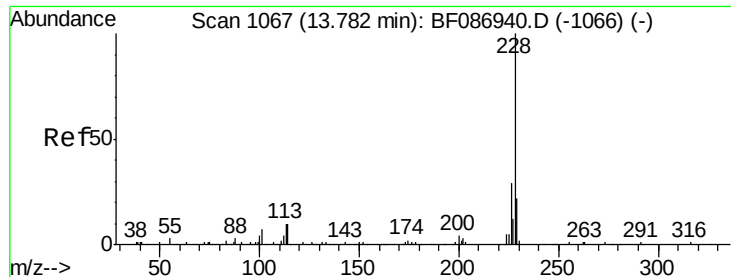


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.33 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.08 min

Lab File: BF086967.D

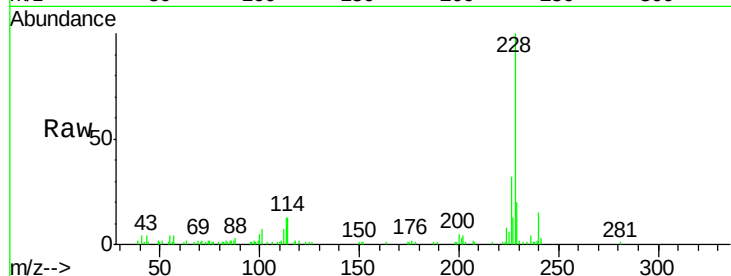
Acq: 13 May 2016 11:04

Instrument :

BNA_F

ClientSampleId :

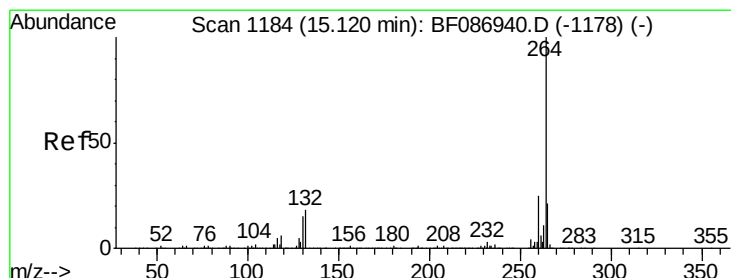
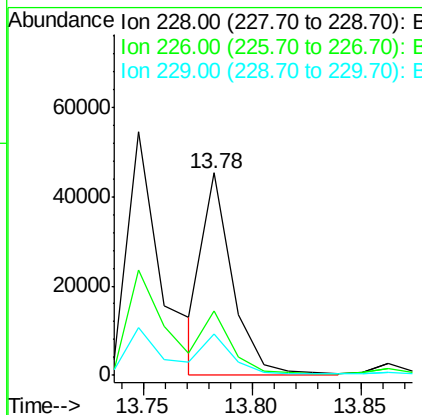
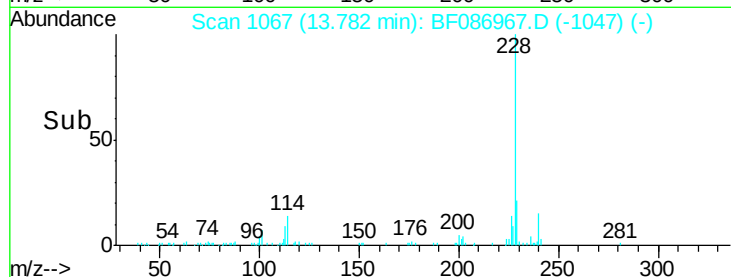
VITALE-FILL-CSPH3-4KRE



Tgt Ion:	228	Resp:	43406
Ion Ratio	Lower	Upper	
228	100		
226	31.9	24.4	36.6
229	20.3	15.8	23.8

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#86

Perylene-d12

Concen: 20.00 ng

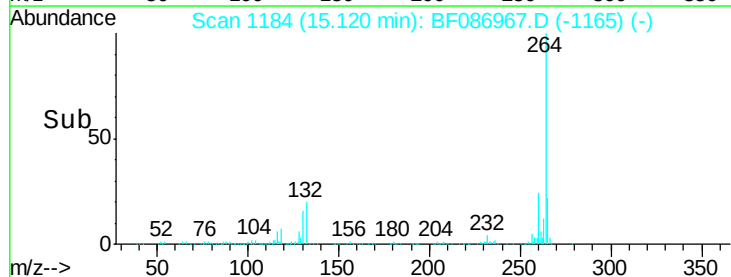
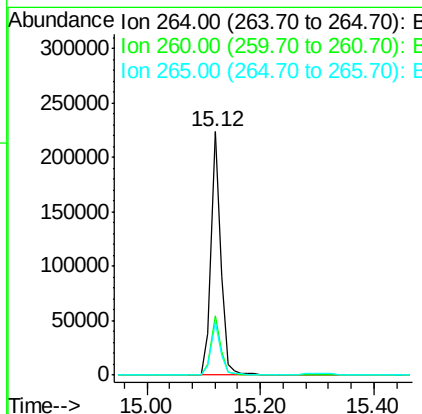
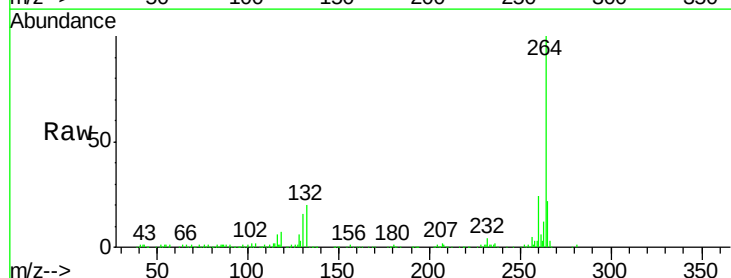
RT: 15.12 min Scan# 1184

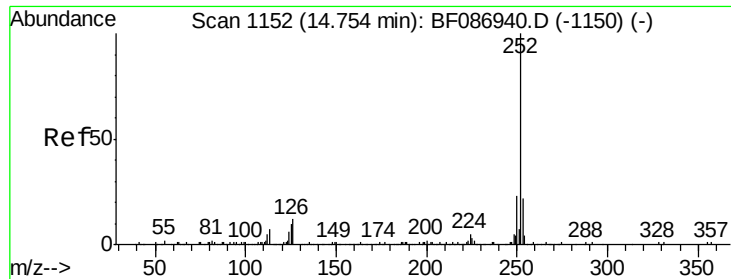
Delta R.T. -0.09 min

Lab File: BF086967.D

Acq: 13 May 2016 11:04

Tgt Ion:	264	Resp:	258306
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.5	29.3
265	21.9	17.3	25.9





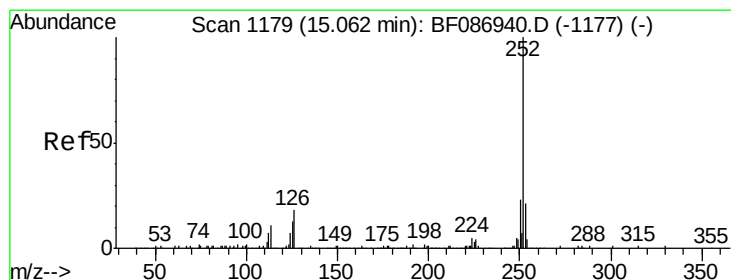
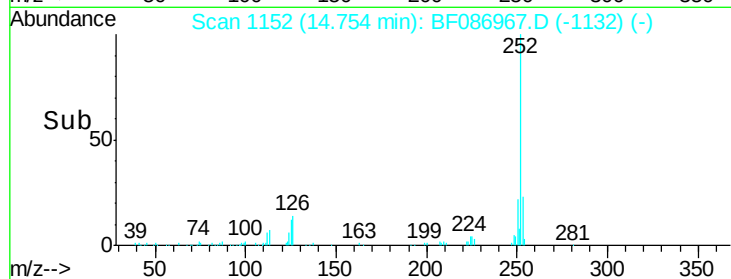
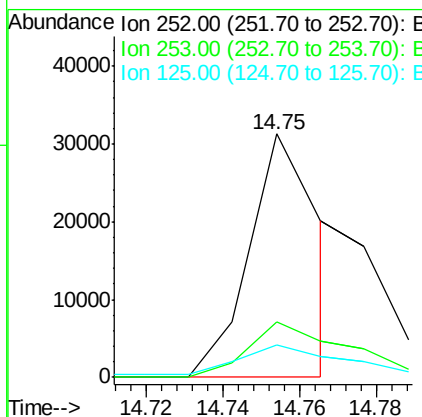
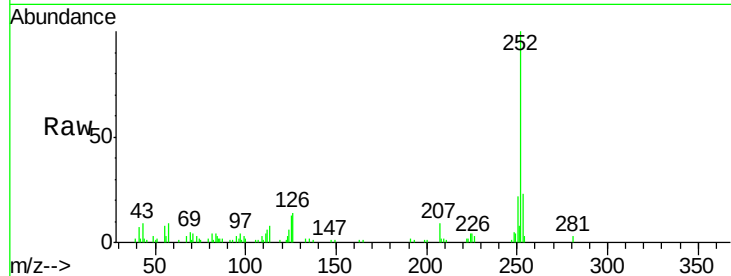
#87
Benzo(b)fluoranthene
Concen: 2.39 ng m
RT: 14.75 min Scan# 1152
Delta R.T. -0.08 min
Lab File: BF086967.D
Acq: 13 May 2016 11:04

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-4KRE

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	40179		
253	22.8	17.8	26.6	
125	13.1	11.4	17.0	

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#89
Benzo(a)pyrene
Concen: 3.17 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.09 min
Lab File: BF086967.D
Acq: 13 May 2016 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	45838		
253	21.9	17.2	25.8	
125	15.1	9.0	13.6	

