

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096954.D
 Acq On : 21 Jul 2017 19:59
 Operator : SJ/JU
 Sample : I4352-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-001-C

Manual Integrations
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Sohil
 7/24/2017 3:05:19 PM

Quant Time: Jul 22 01:53:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	111650	20.00	ng	-0.04
21) Naphthalene-d8	7.83	136	459613	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	166899	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	253723	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	209852	20.00	ng	-0.05
86) Perylene-d12	15.05	264	215969	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	915081	123.23	ng	-0.03
7) Phenol-d6	6.22	99	1104350	123.93	ng	-0.03
23) Nitrobenzene-d5	7.12	82	642247	86.55	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	176747	124.07	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	883739	83.66	ng	-0.05
78) Terphenyl-d14	12.65	244	561436	46.40	ng	-0.05
Target Compounds						
10) Phenol	6.23	94	59384	5.895	ng	97
49) Dimethylphthalate	9.31	163	146575	11.664	ng	99
70) Phenanthrene	11.08	178	59546	4.316	ng	96
74) Fluoranthene	12.26	202	80574	6.102	ng	99
77) Pyrene	12.49	202	66811	3.508	ng	97
80) Benzo(a)anthracene	13.67	228	33447	2.558	ng	96
82) Chrysene	13.71	228	32598m	2.532	ng	
85) Indeno(1,2,3-cd)pyrene	16.31	276	13772	4.441	ng	95
87) Benzo(b)fluoranthene	14.68	252	34619m	2.658	ng	
89) Benzo(a)pyrene	14.99	252	24039	2.012	ng	# 94

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

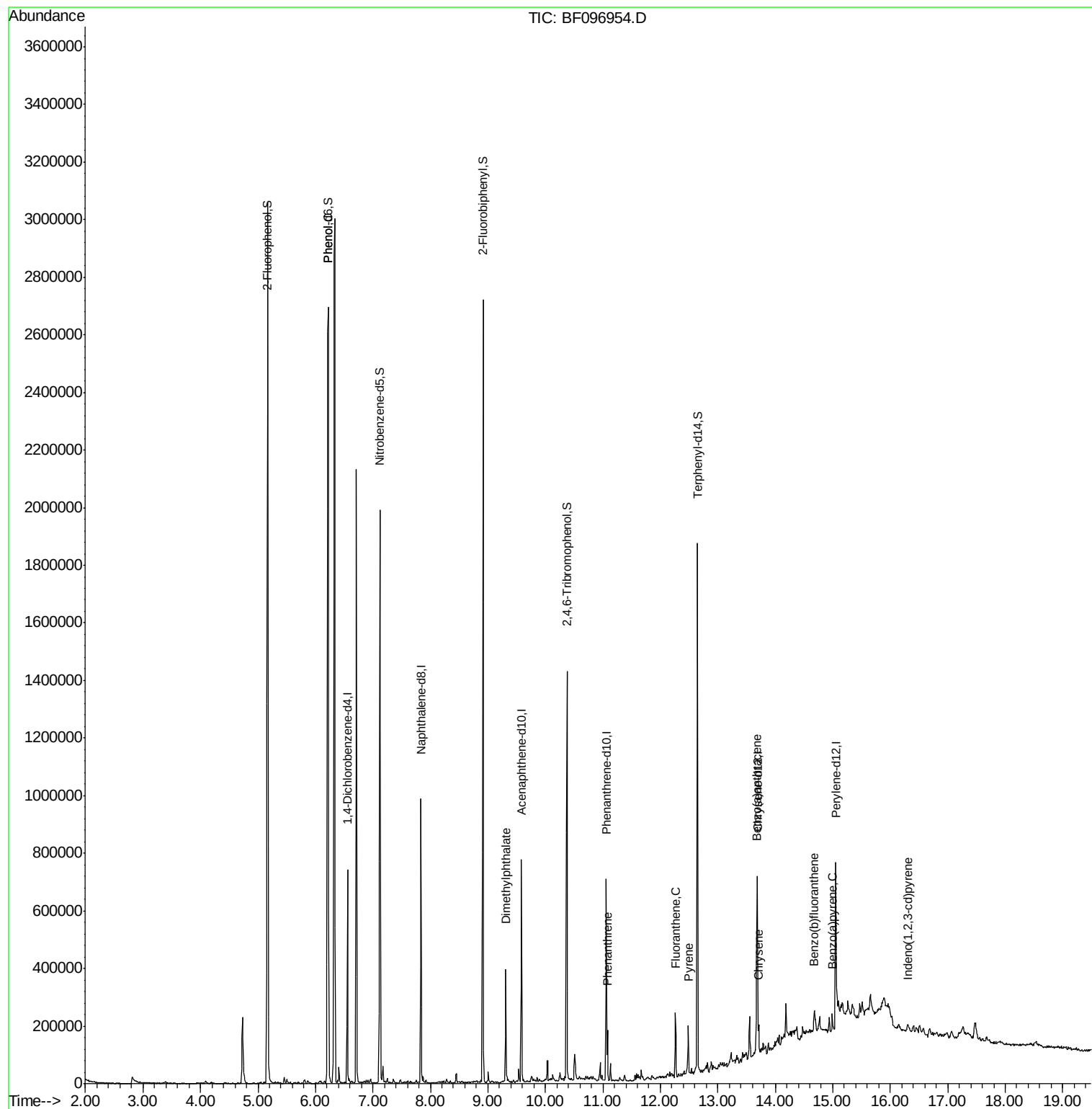
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096954.D
Acq On : 21 Jul 2017 19:59
Operator : SJ/JU
Sample : I4352-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

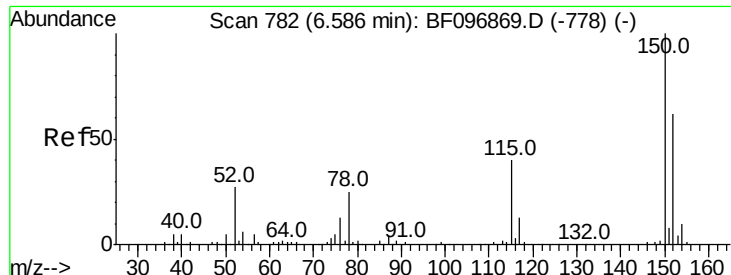
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-C

Manual Integrations
APPROVED

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#1

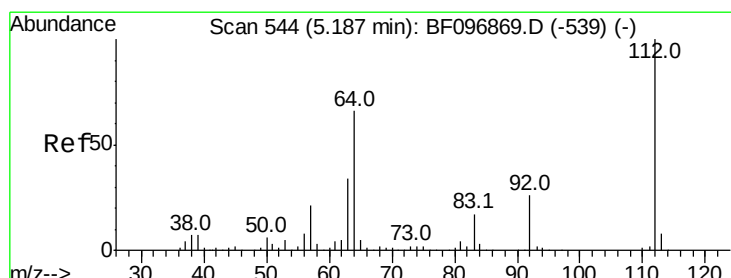
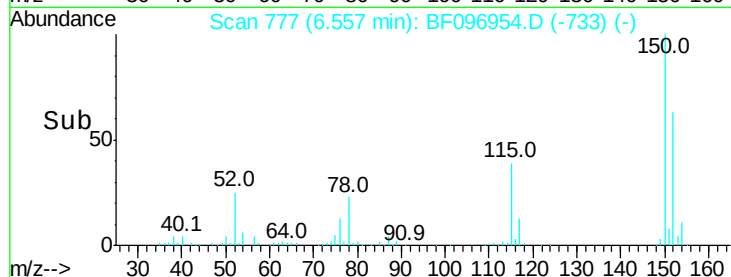
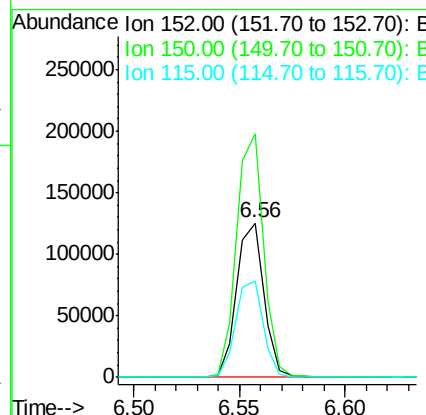
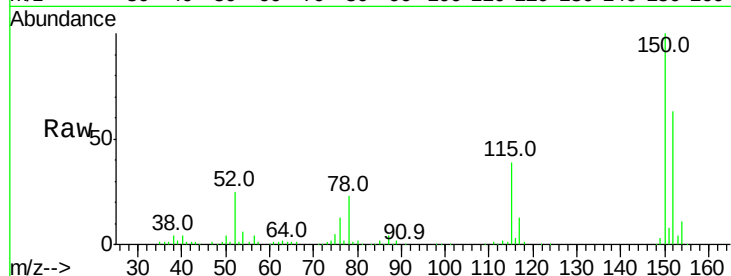
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.56 min Scan# 777
Delta R.T. -0.04 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Instrument :
BNA_F
ClientSampled :
FK-SF-03-001-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.2	189.2
115	62.1	52.2	78.2

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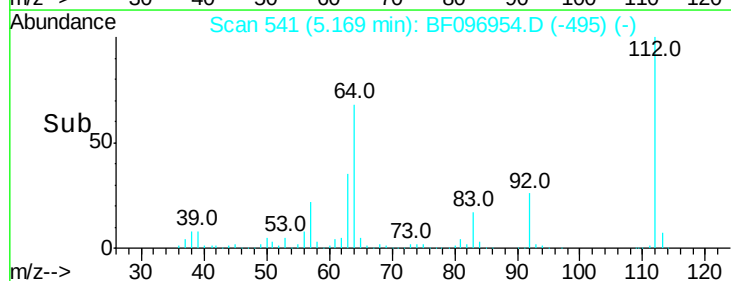
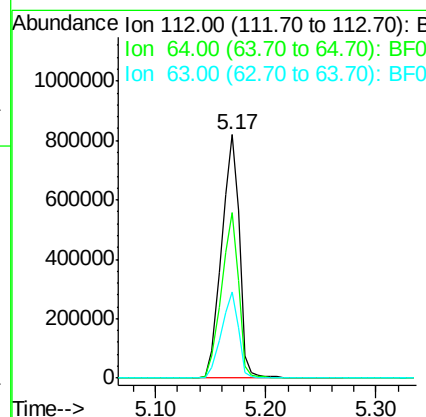
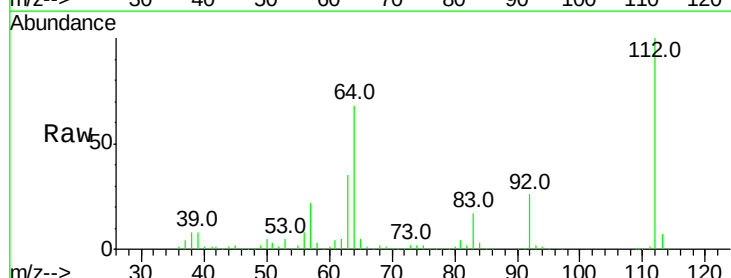
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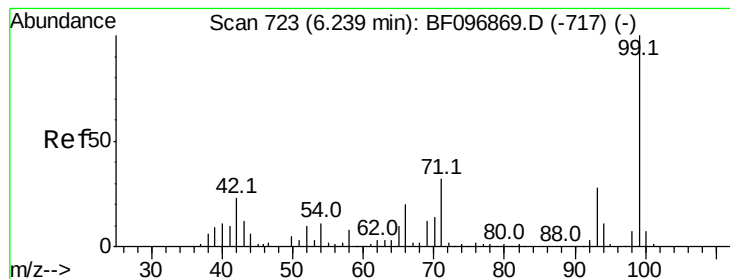


#5

2-Fluorophenol
Concen: 123.233 ng
RT: 5.17 min Scan# 541
Delta R.T. -0.03 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	46.0	69.0
63	35.2	23.4	35.0





#7

Phenol-d6

Concen: 123.932 ng

RT: 6.22 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-001-C

Tot Ion: 99 Resp: 1104350

Ion Ratio Lower Upper

99 100

42 21.5 13.5 20.3#

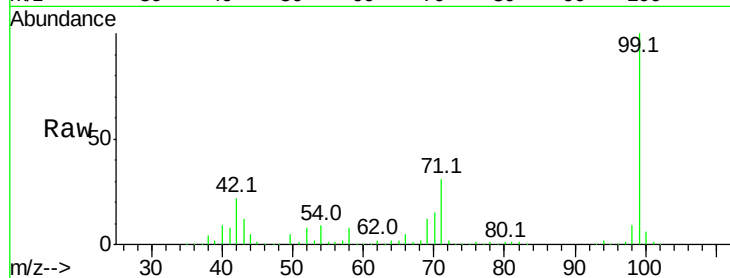
71 31.3 24.5 36.7

Manual Integrations

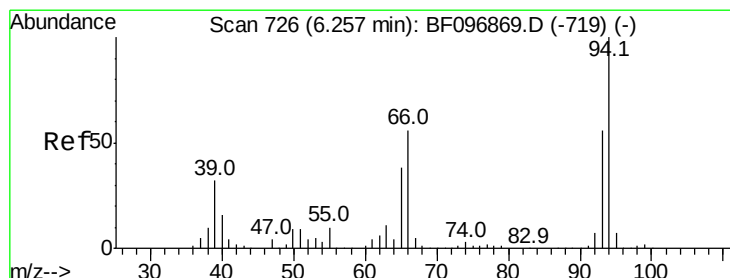
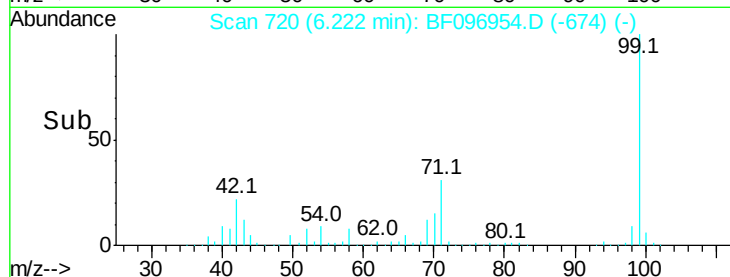
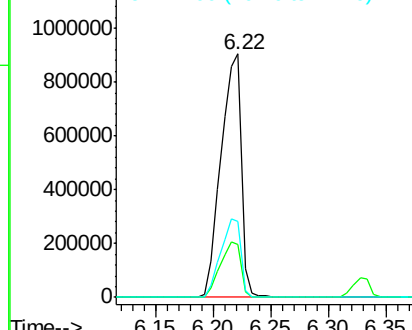
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.895 ng

RT: 6.23 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

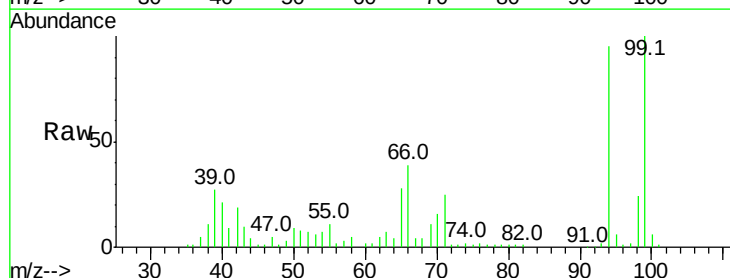
Tgt Ion: 94 Resp: 59384

Ion Ratio Lower Upper

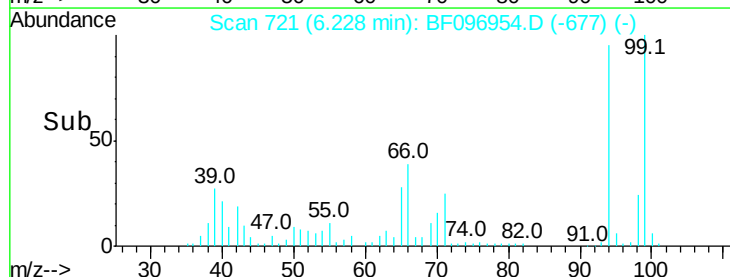
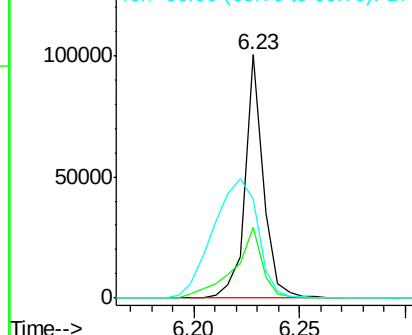
94 100

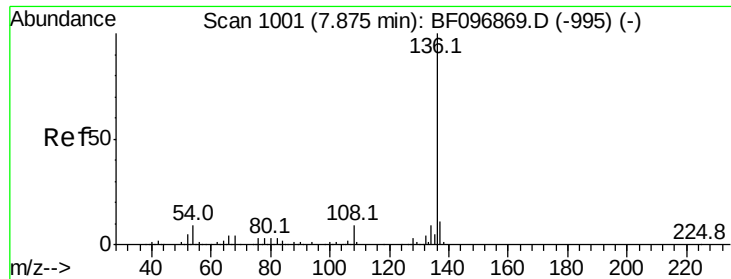
65 29.3 9.9 49.9

66 40.4 23.1 63.1



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: 20.000 ng

RT: 7.83 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Instrument :

BNA_F

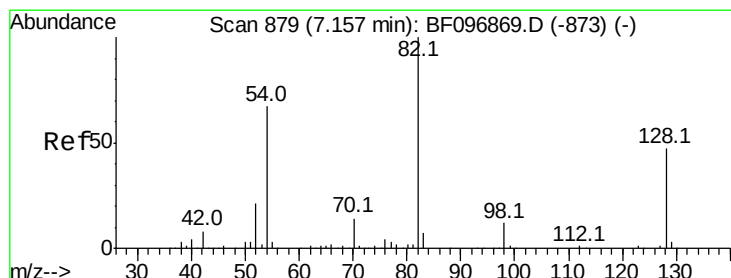
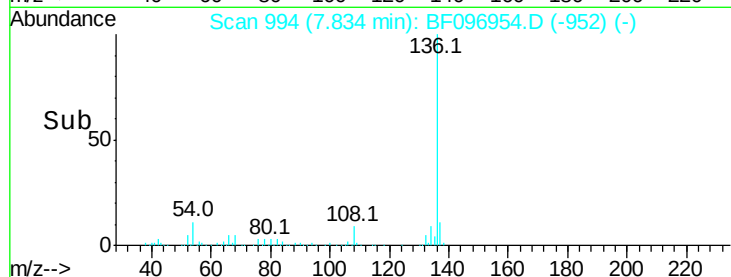
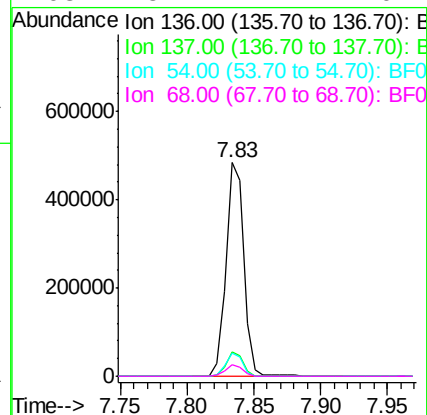
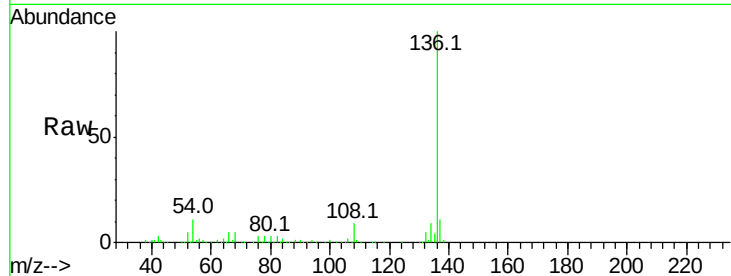
ClientSampleId :

FK-SF-03-001-C

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.5	12.7	
54	10.6	4.9	7.3	
68	5.4	4.1	6.1	

Manual Integrations
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#23

Nitrobenzene-d5

Concen: 86.554 ng

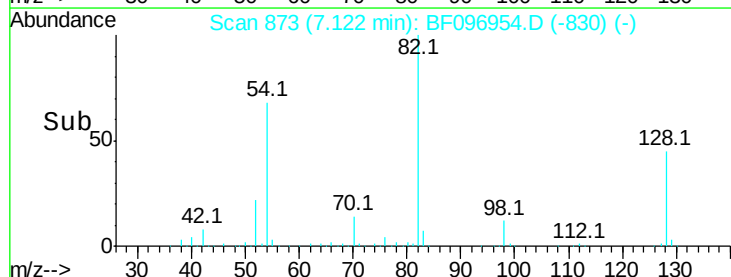
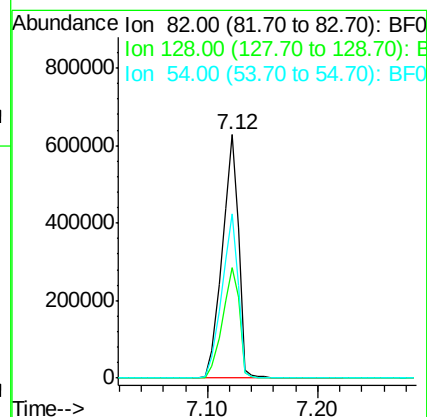
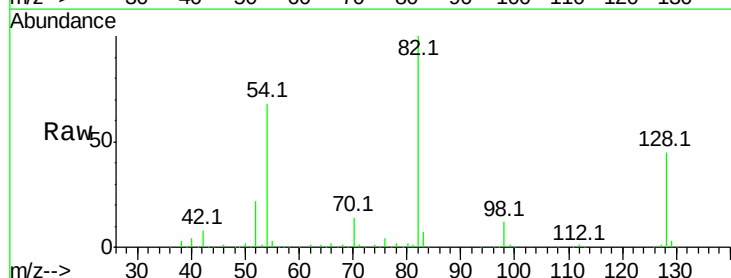
RT: 7.12 min Scan# 873

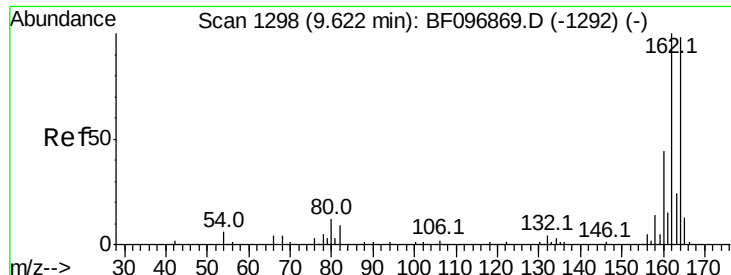
Delta R.T. -0.05 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.4	34.0	51.0	
54	67.5	42.2	63.2	





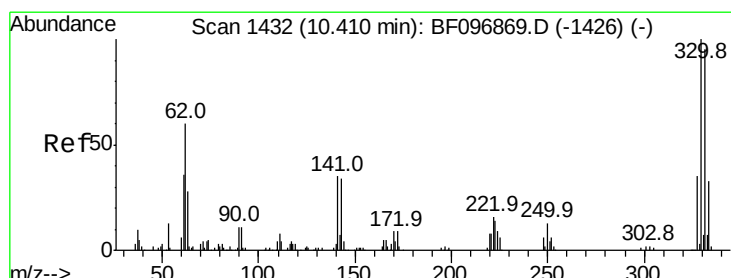
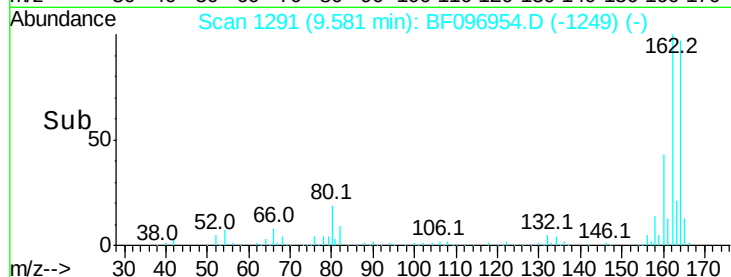
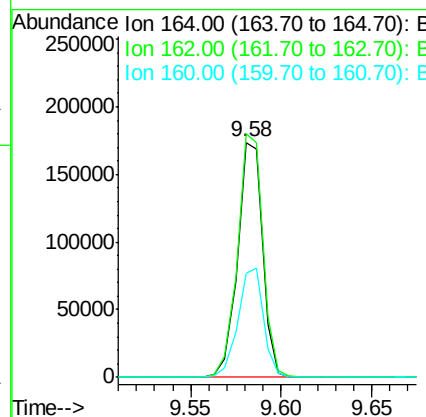
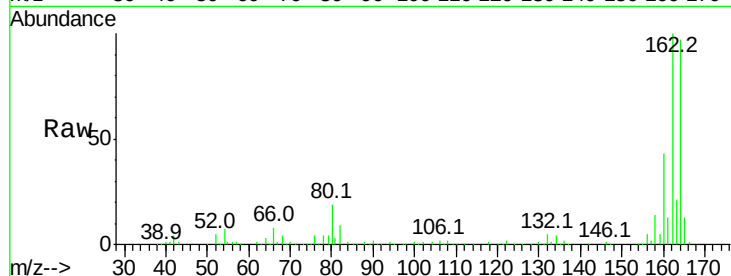
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.58 min Scan# 1291
Delta R.T. -0.05 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-C

Tot Ion	Ratio	Resp	Lower	Upper
164	100	166899		
162	103.6	82.6	123.8	
160	44.2	36.2	54.2	

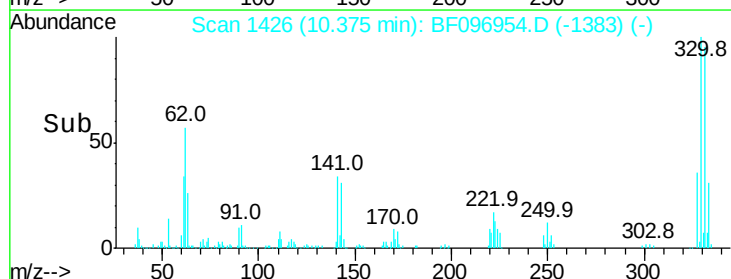
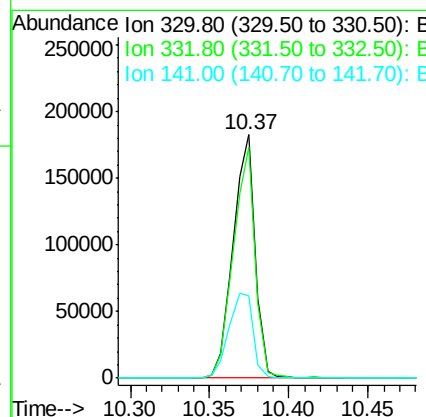
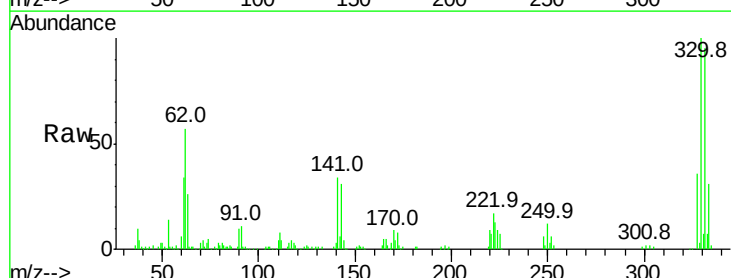
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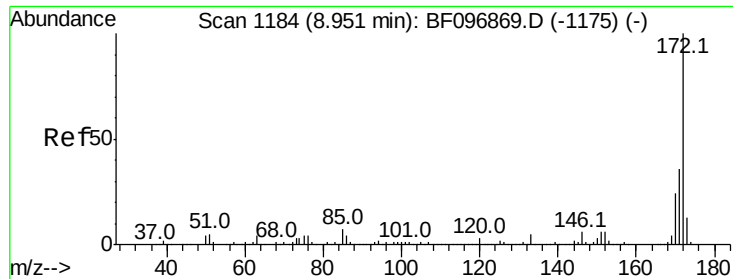
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#41
2,4,6-Tribromophenol
Concen: 124.066 ng
RT: 10.37 min Scan# 1426
Delta R.T. -0.05 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	176747		
332	93.6	76.6	115.0	
141	38.5	31.4	47.2	





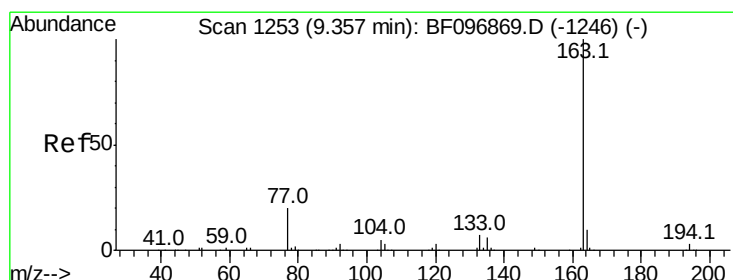
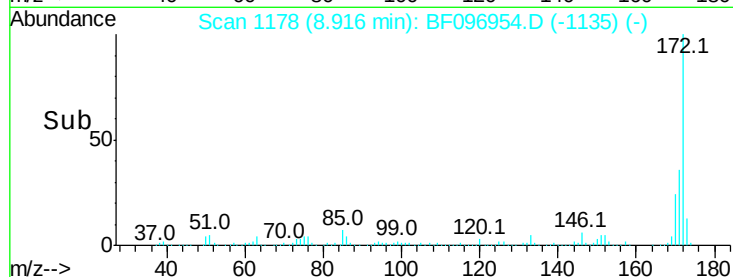
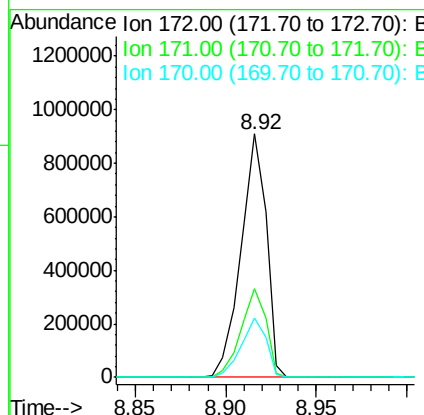
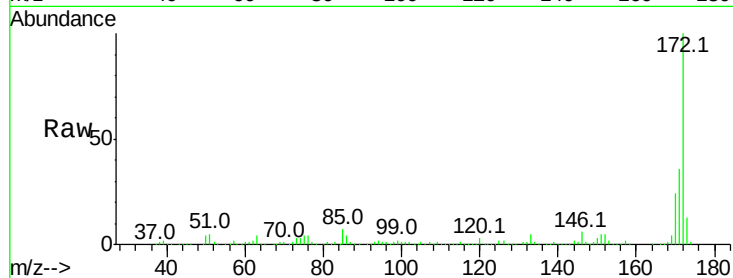
#44
2-Fluorobiphenyl
Concen: 83.658 ng
RT: 8.92 min Scan# 1178
Delta R.T. -0.05 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-C

Tot Ion:	172	Resp:	883739
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.6	44.4
170	24.1	19.8	29.8

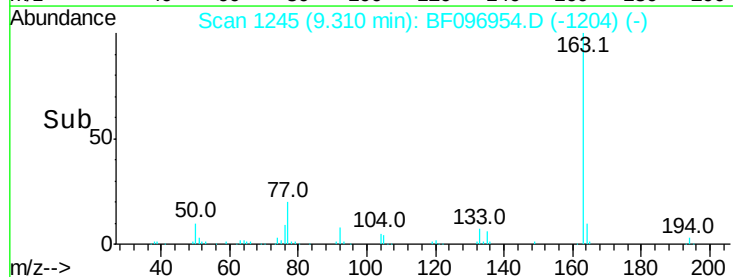
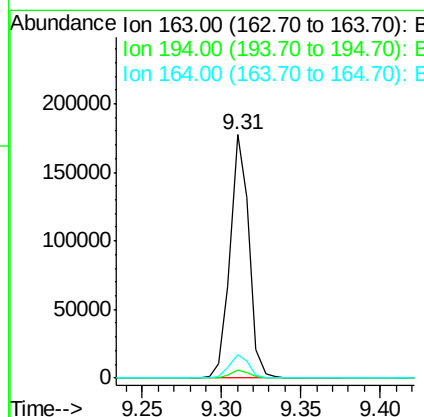
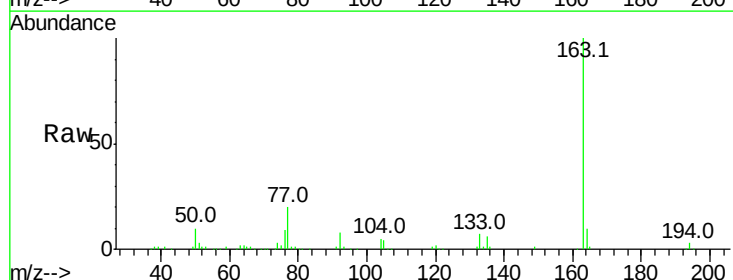
Manual Integrations
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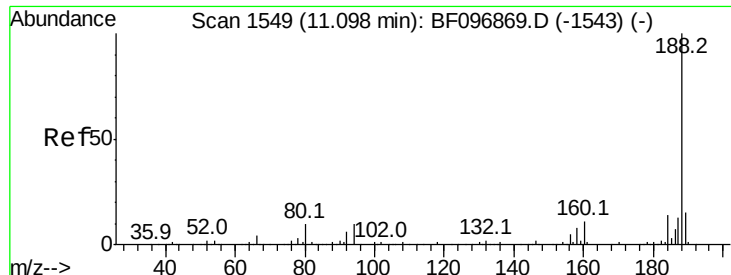
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#49
Dimethylphthalate
Concen: 11.664 ng
RT: 9.31 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Tgt Ion:	163	Resp:	146575
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.6	4.0
164	9.9	8.4	12.6





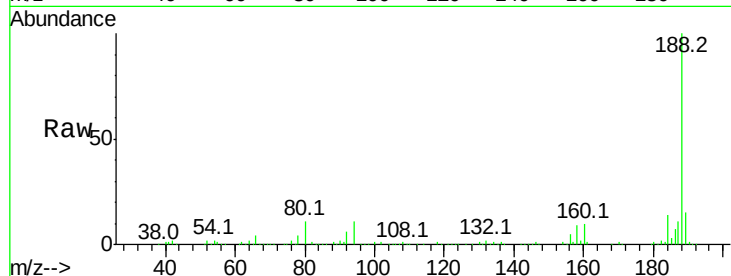
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.06 min Scan# 1542
 Delta R.T. -0.05 min
 Lab File: BF096954.D
 Acq: 21 Jul 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-001-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100	253723		
94	10.9		9.4	14.2
80	11.4		10.2	15.2

Manual Integrations
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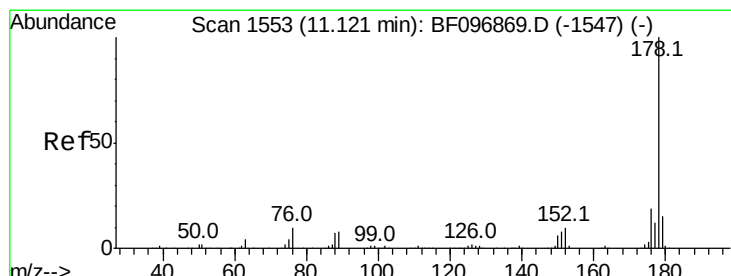
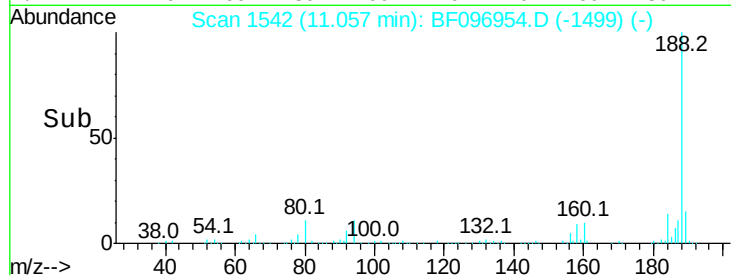
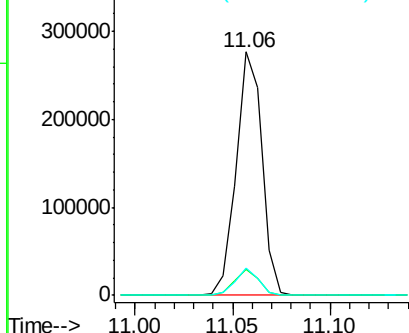
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



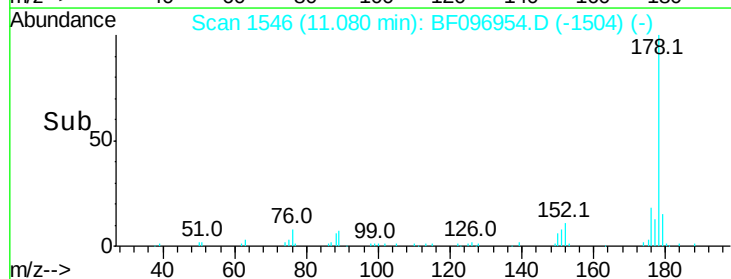
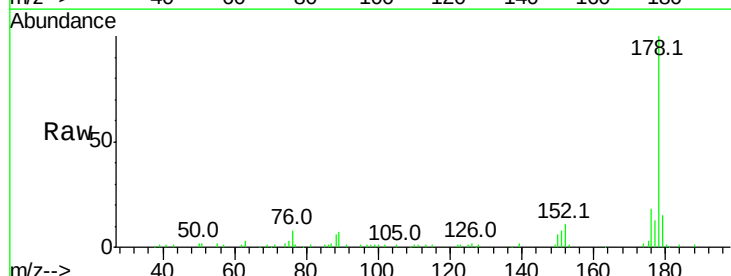
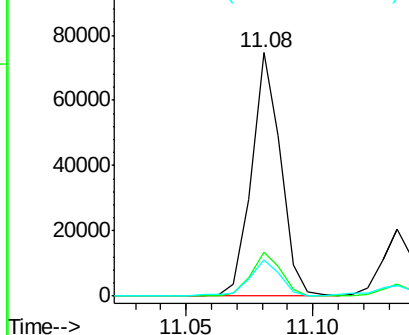
#70
 Phenanthrene
 Concen: 4.316 ng
 RT: 11.08 min Scan# 1546
 Delta R.T. -0.05 min
 Lab File: BF096954.D
 Acq: 21 Jul 2017 19:59

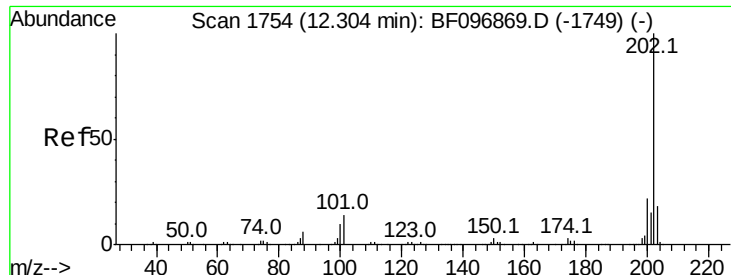
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	59546		
176	18.2		16.2	24.4
179	14.9		12.6	19.0

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





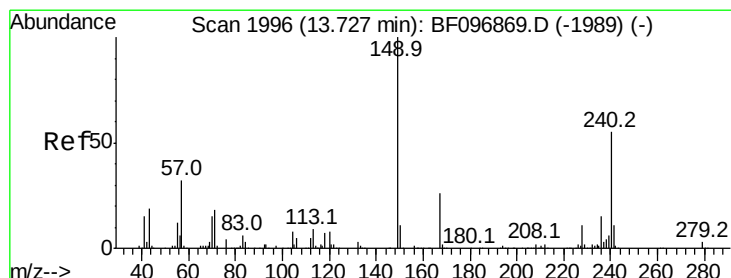
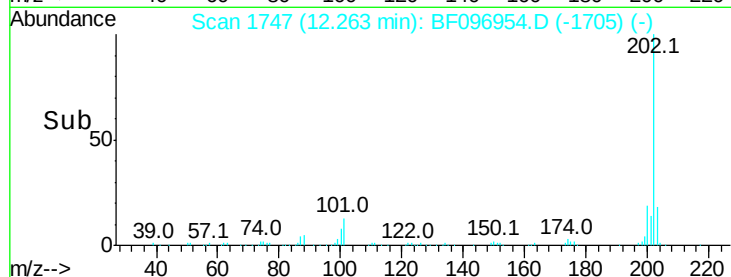
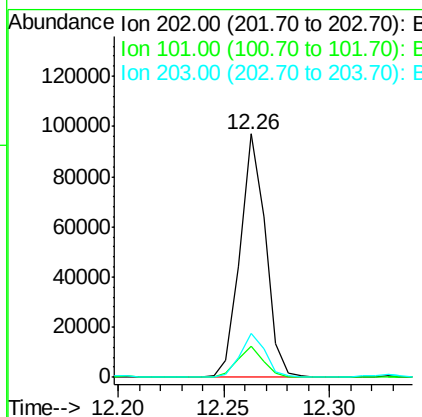
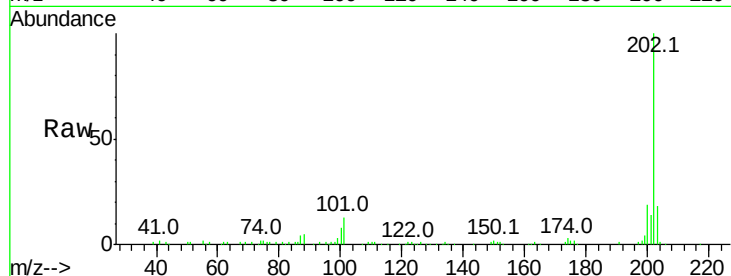
#74
Fluoranthene
Concen: 6.102 ng
RT: 12.26 min Scan# 1747
Delta R.T. -0.05 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.6	0.0	33.2
203	18.1	0.0	38.1

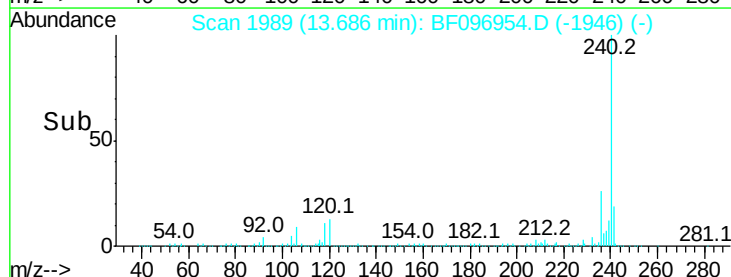
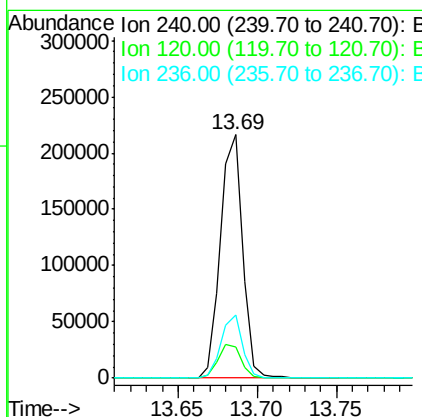
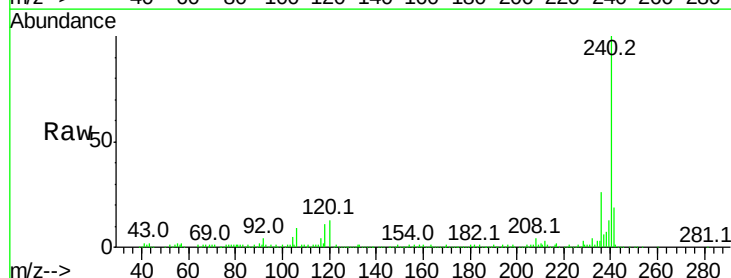
Manual Integrations
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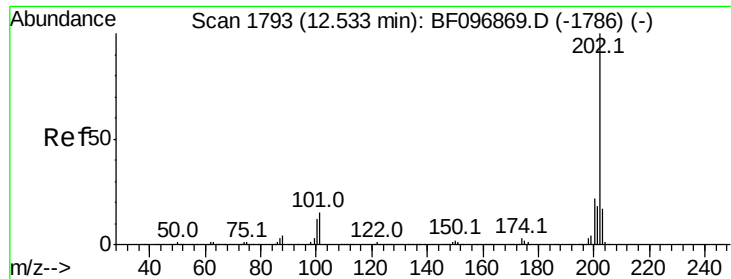
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.69 min Scan# 1989
Delta R.T. -0.05 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.9	5.8	8.8#
236	26.0	20.5	30.7





#77

Pvrene

Concen: 3.508 ng

RT: 12.49 min Scan# 1785

Delta R.T. -0.05 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

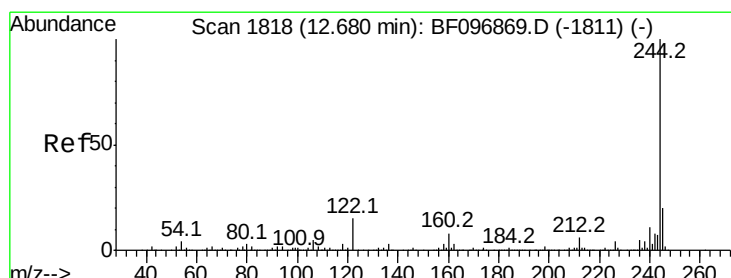
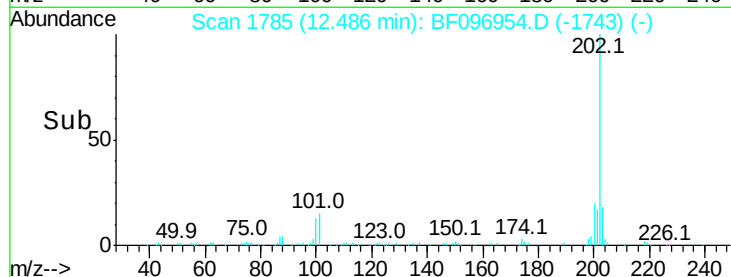
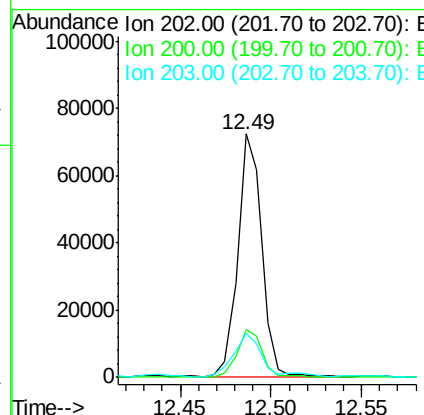
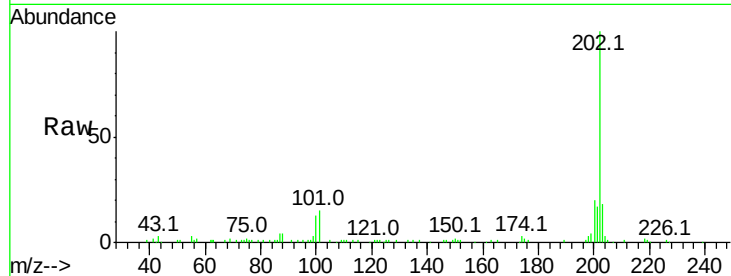
Instrument :
BNA_F

ClientSampleId :
FK-SF-03-001-C

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.6	26.4
203	18.0	14.4	21.6

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#78

Terphenyl-d14

Concen: 46.398 ng

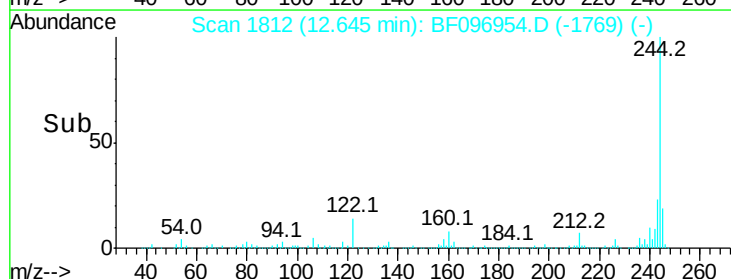
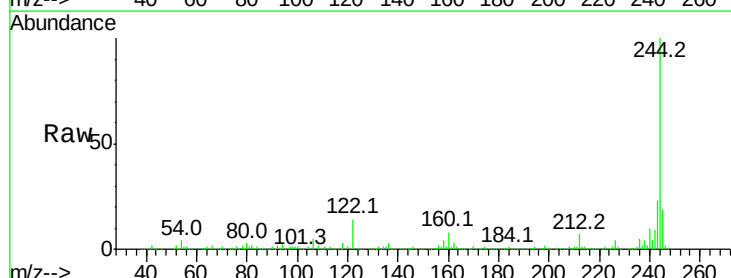
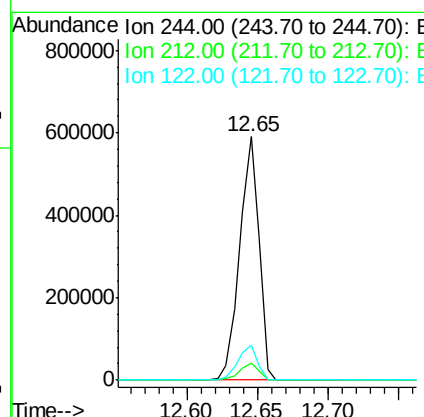
RT: 12.65 min Scan# 1812

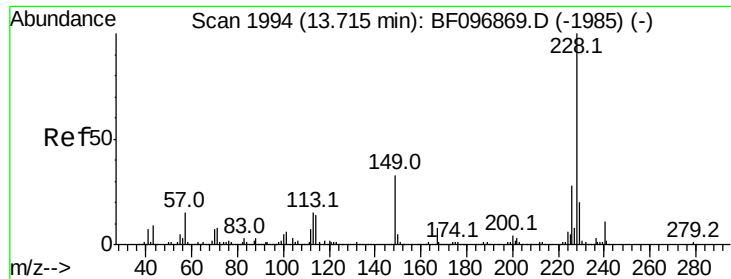
Delta R.T. -0.05 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.5	10.3	15.5





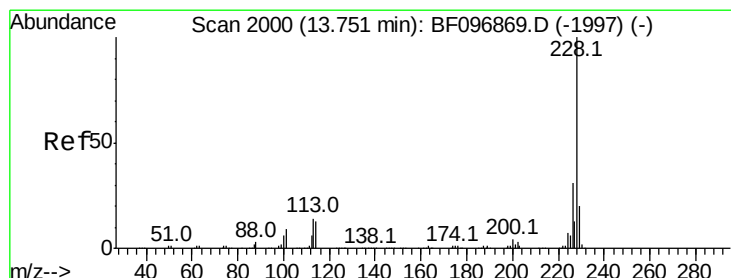
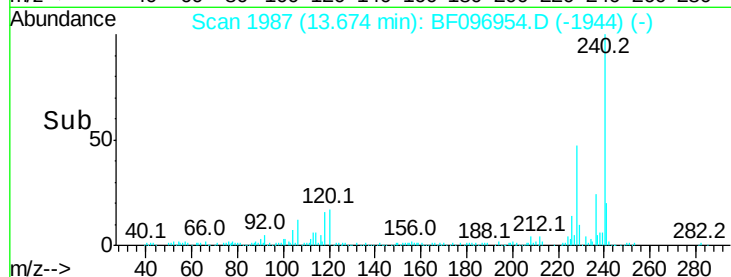
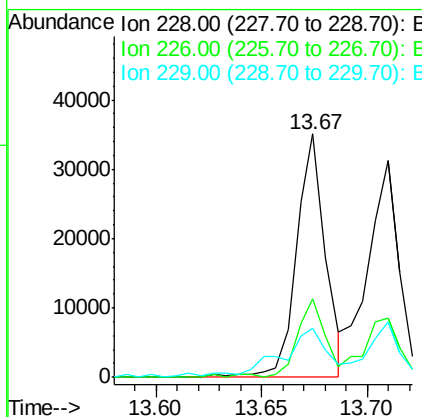
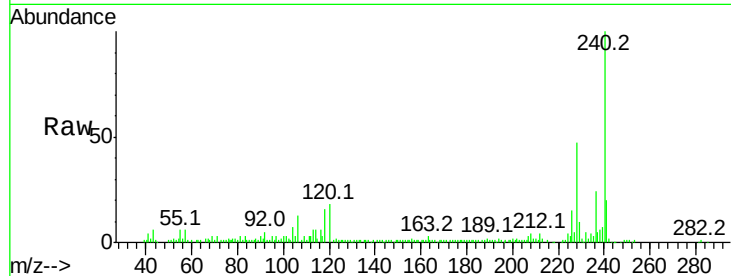
#80
Benzo(a)anthracene
Concen: 2.558 ng
RT: 13.67 min Scan# 1987
Delta R.T. -0.05 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.6	33.8
229	20.4	16.3	24.5

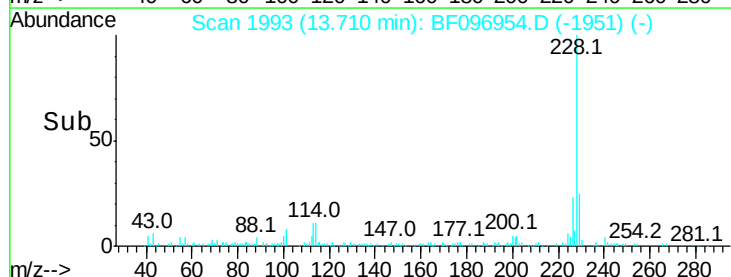
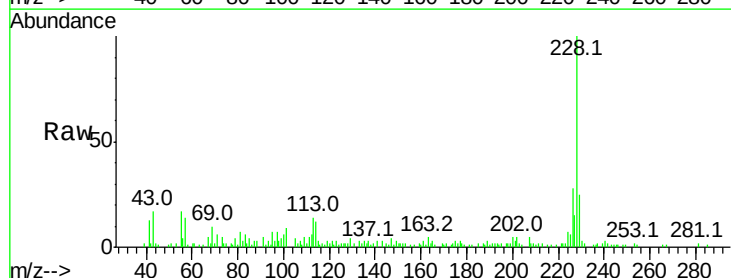
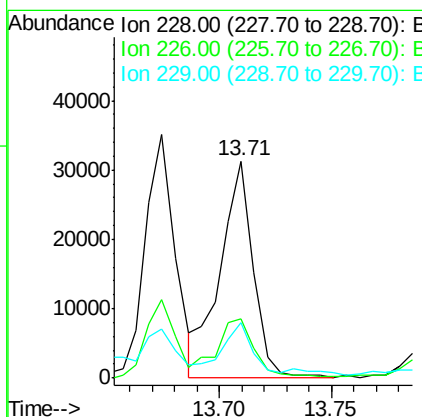
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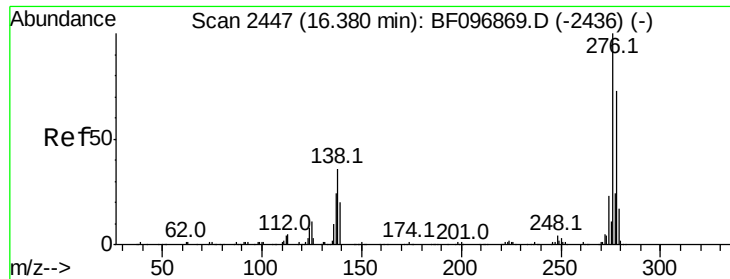
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#82
Chrysene
Concen: 2.532 ng m
RT: 13.71 min Scan# 1993
Delta R.T. -0.05 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	24.9	37.3
229	25.4	15.8	23.6#





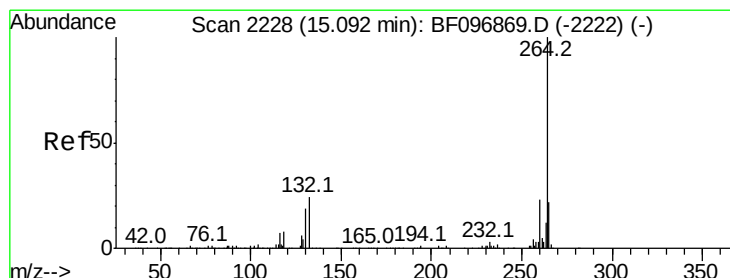
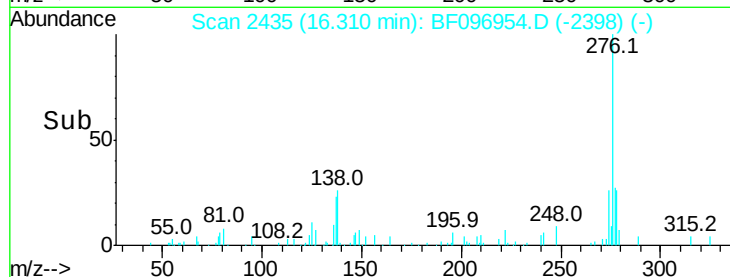
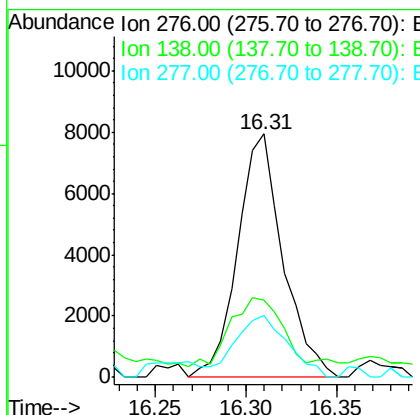
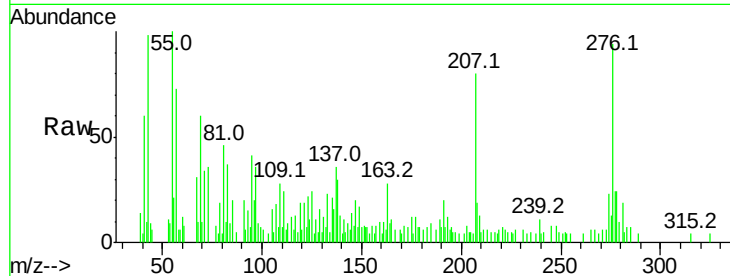
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.441 ng
RT: 16.31 min Scan# 2435
Delta R.T. -0.08 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.8	27.8	41.6
277	29.1	20.2	30.4

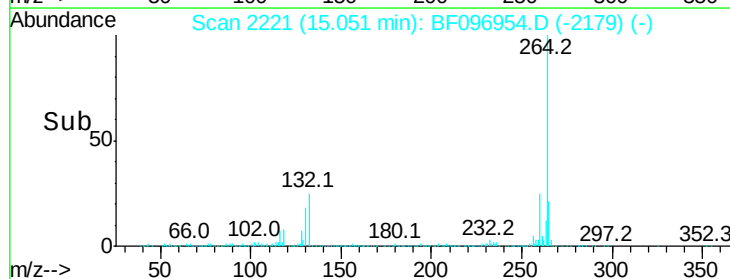
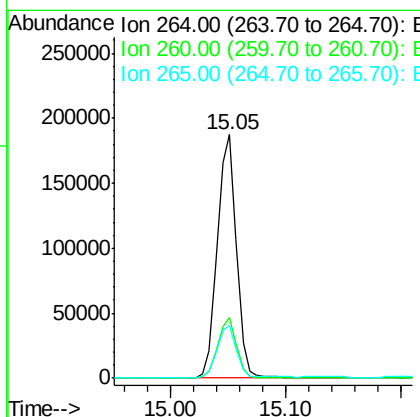
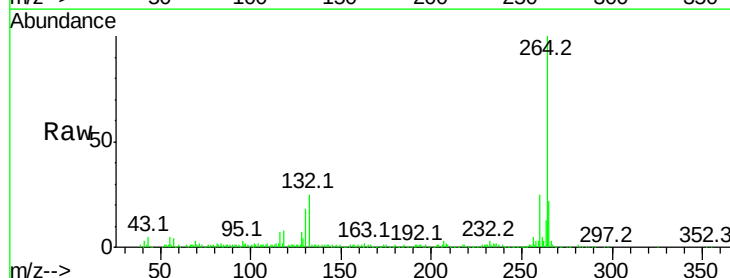
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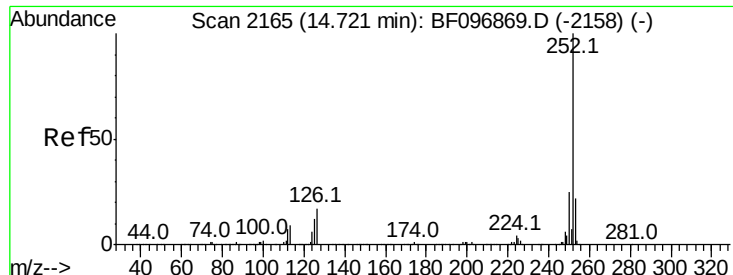
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.05 min Scan# 2221
Delta R.T. -0.05 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 2.658 ng

RT: 14.68 min Scan# 2158

Delta R.T. -0.05 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Instrument :

BNA_F

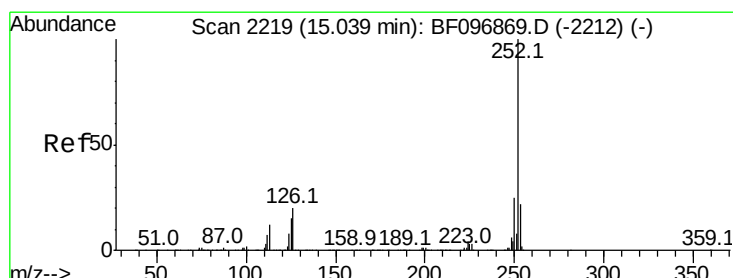
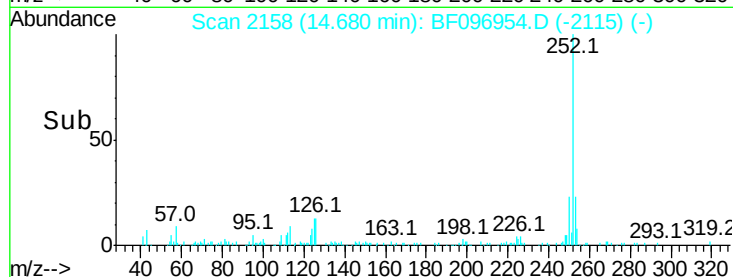
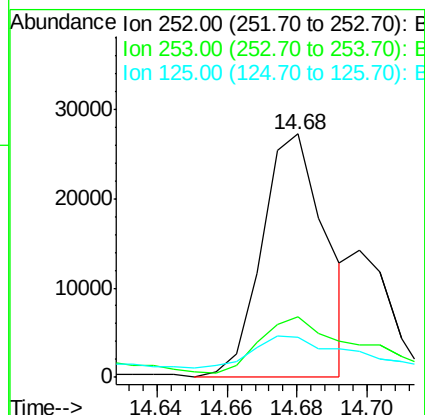
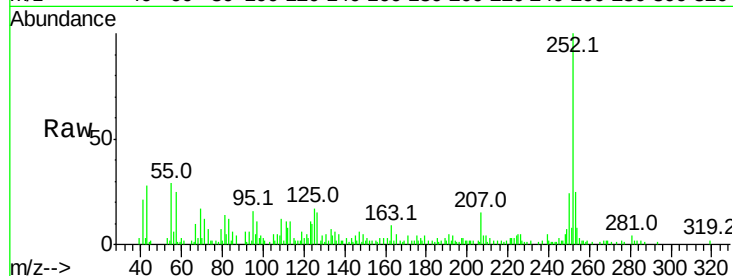
ClientSampleId :

FK-SF-03-001-C

Tot Ion:	252	Resp:	34619
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.1	27.1
125	16.6	9.8	14.8#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 2.012 ng

RT: 14.99 min Scan# 2211

Delta R.T. -0.06 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Tgt Ion:	252	Resp:	24039
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.5	26.3
125	18.3	11.0	16.4#

