

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
 Data File : BF092449.D
 Acq On : 25 Jan 2017 00:36
 Operator : UM/SJ
 Sample : I1383-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-001-C

Manual Integrations
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 1/25/2017 3:50:05 PM

Quant Time: Jan 25 04:56:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	152295	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	591066	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	306731	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	445776	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	321423	20.00	ng	-0.01
86) Perylene-d12	15.63	264	326249	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	767452	78.40	ng	0.01
7) Phenol-d6	6.59	99	1179307	94.58	ng	0.00
23) Nitrobenzene-d5	7.53	82	631199	58.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	97645	46.71	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1090831	65.76	ng	-0.01
78) Terphenyl-d14	13.11	244	779779	64.60	ng	-0.01
Target Compounds						
10) Phenol	6.60	94	57257	3.80	ng	Qvalue # 57
31) Naphthalene	8.28	128	103540	3.42	ng	98
49) Dimethylphthalate	9.73	163	88480	4.54	ng	99
51) Acenaphthene	10.05	154	62060	3.76	ng	95
54) Dibenzofuran	10.22	168	74669	3.33	ng	99
57) Fluorene	10.58	166	70331	4.23	ng	98
70) Phenanthrene	11.54	178	482445	19.65	ng	98
71) Anthracene	11.58	178	112325	4.68	ng	99
72) Carbazole	11.74	167	107029	4.67	ng	97
74) Fluoranthene	12.73	202	352114	14.66	ng	97
77) Pyrene	12.96	202	287786	12.36	ng	98
80) Benzo(a)anthracene	14.15	228	115130	6.66	ng	97
82) Chrysene	14.18	228	98795m	5.36	ng	
85) Indeno(1,2,3-cd)pyrene	17.11	276	54733	4.01	ng	# 93
87) Benzo(b)fluoranthene	15.20	252	115841m	5.53	ng	
88) Benzo(k)fluoranthene	15.22	252	48923m	2.81	ng	
89) Benzo(a)pyrene	15.56	252	87701	4.95	ng	# 95
91) Benzo(g,h,i)perylene	17.55	276	55093	3.80	ng	# 86

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

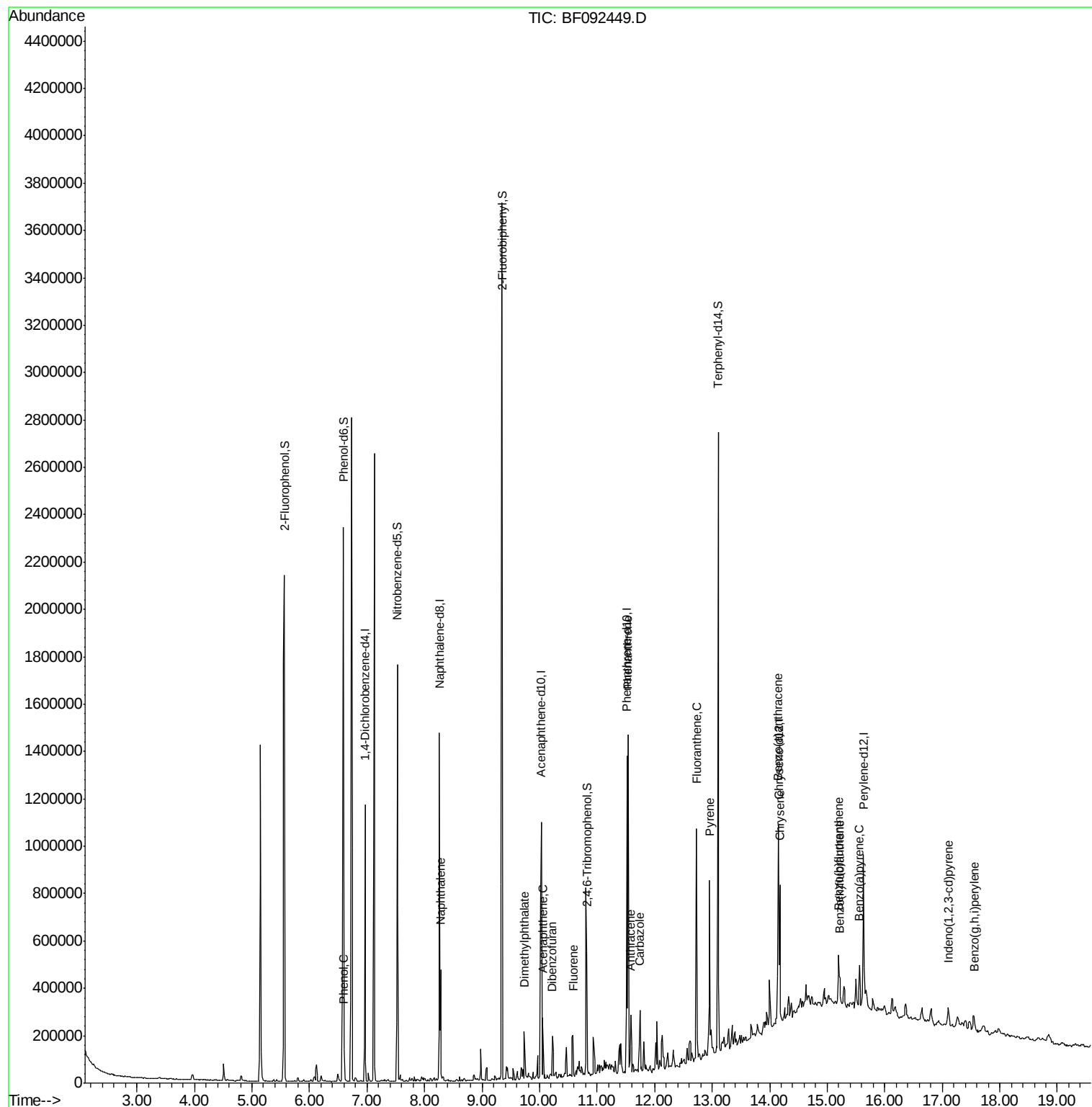
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
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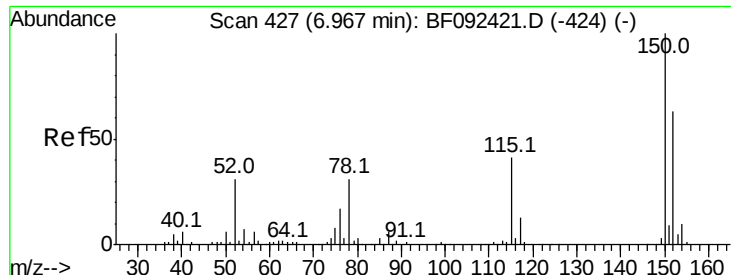
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#1

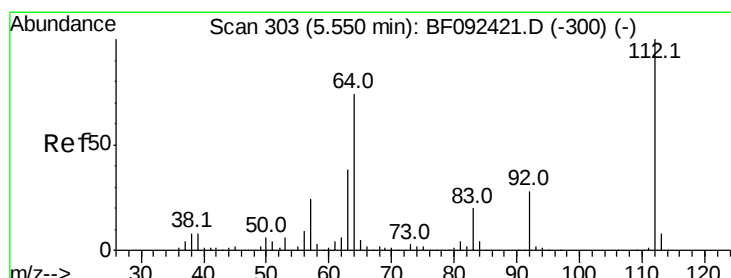
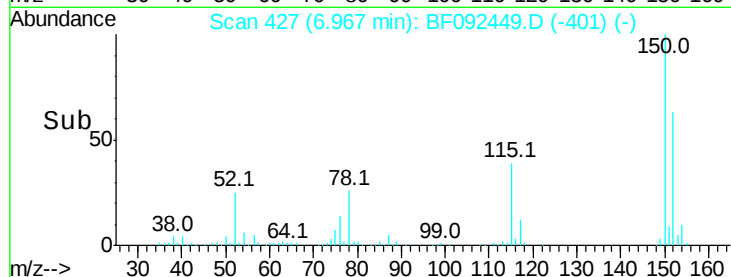
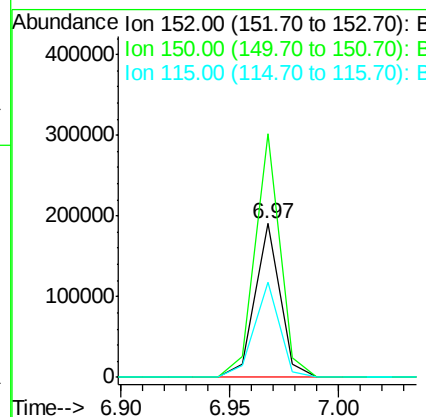
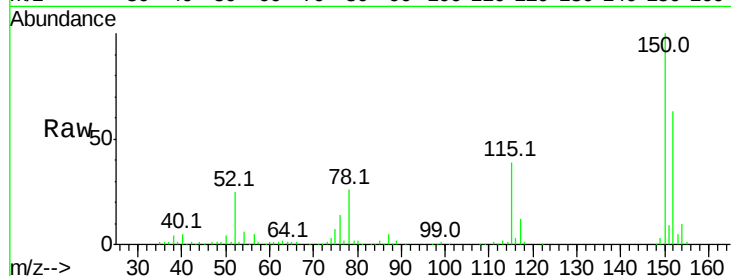
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-001-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.9	187.3
115	62.0	46.0	69.0

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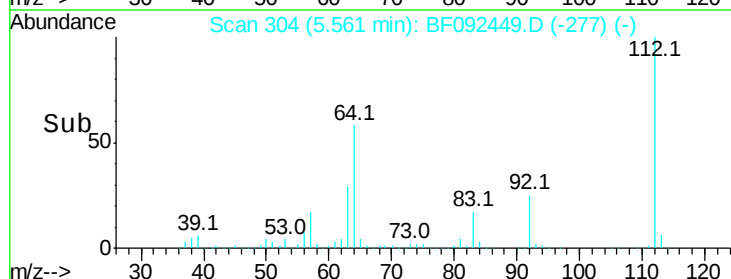
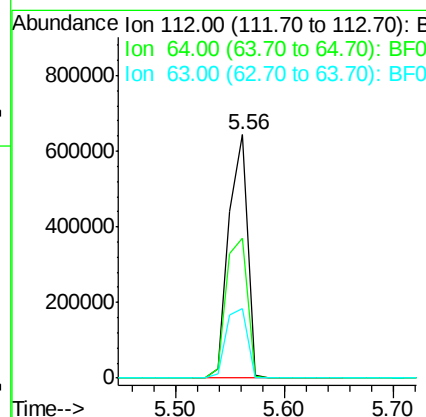
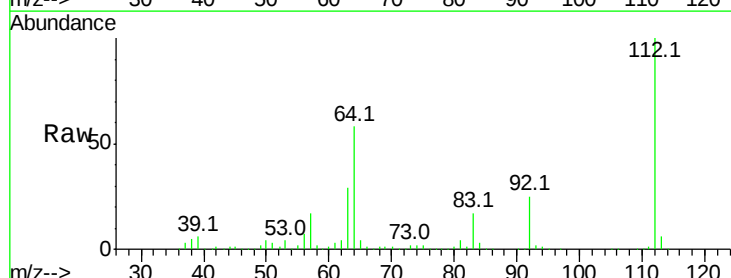
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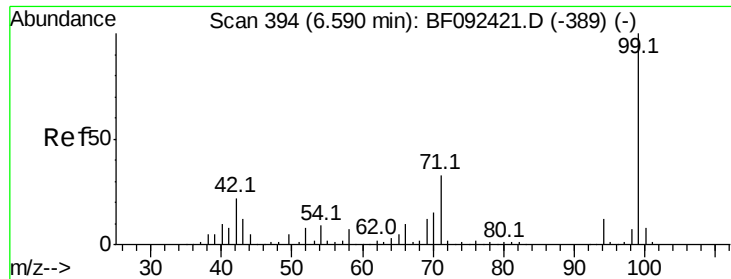


#5

2-Fluorophenol
Concen: 78.40 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	46.1	69.1
63	28.7	23.8	35.6





#7

Phenol-d6

Concen: 94.58 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092449.D

Acq: 25 Jan 2017 00:36

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-001-C

Tot Ion: 99 Resp: 1179307

Ion Ratio Lower Upper

99 100

42 16.5 15.6 23.4

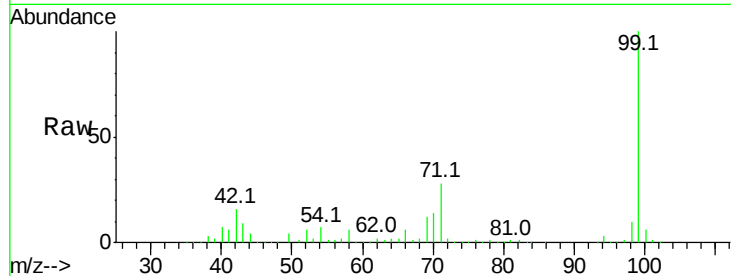
71 28.2 27.5 41.3

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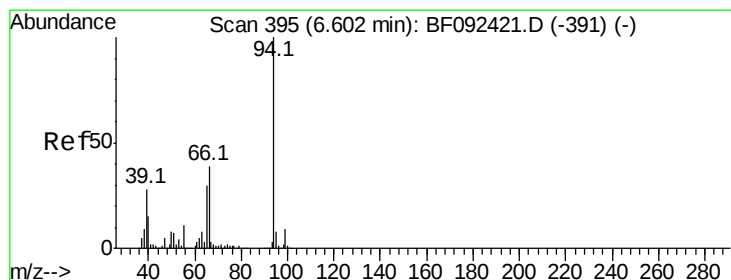
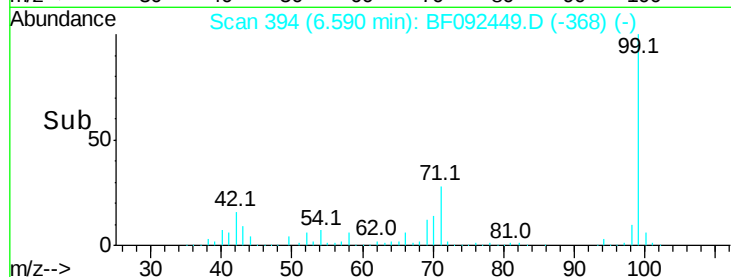
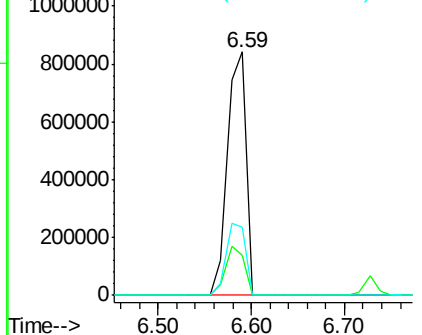
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.80 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092449.D

Acq: 25 Jan 2017 00:36

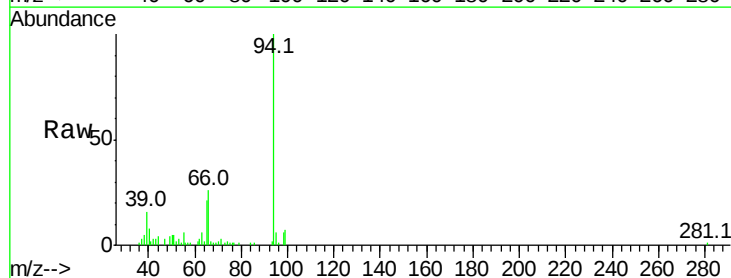
Tgt Ion: 94 Resp: 57257

Ion Ratio Lower Upper

94 100

65 20.5 21.4 61.4#

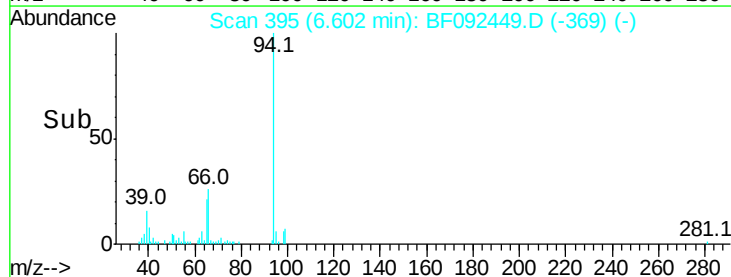
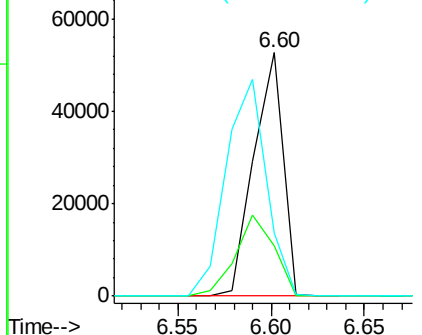
66 26.0 44.0 84.0#

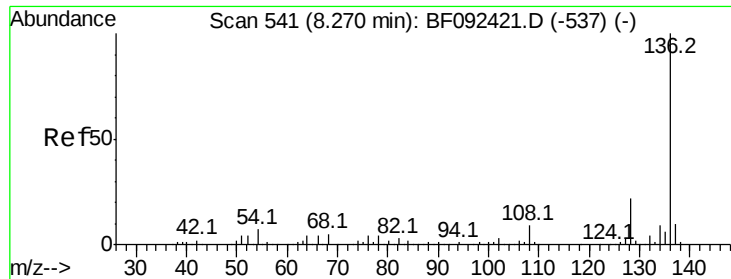


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





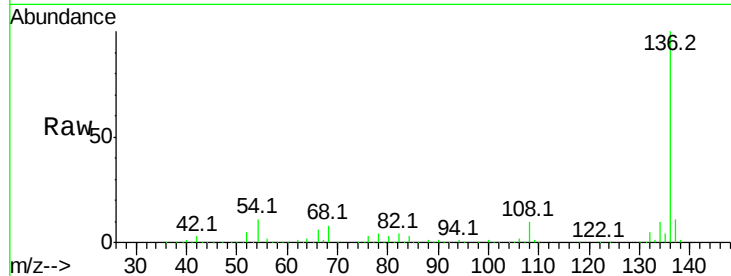
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-001-C

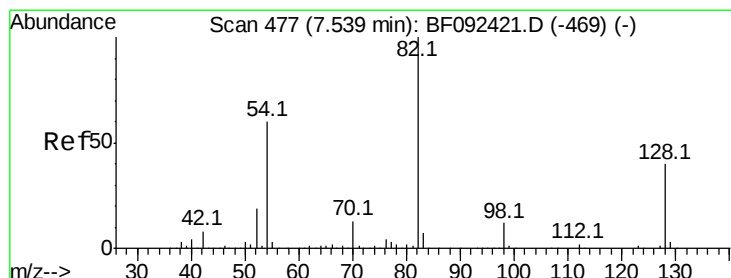
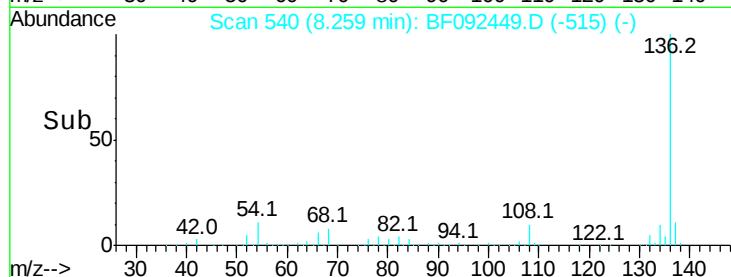
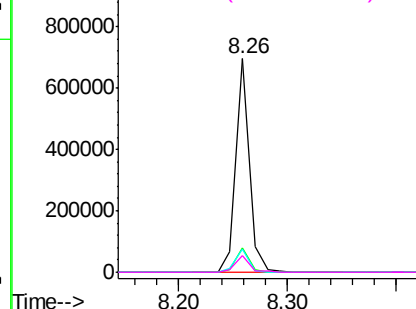
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.4	12.6	
54	11.1	4.5	6.7#	
68	7.9	3.6	5.4#	

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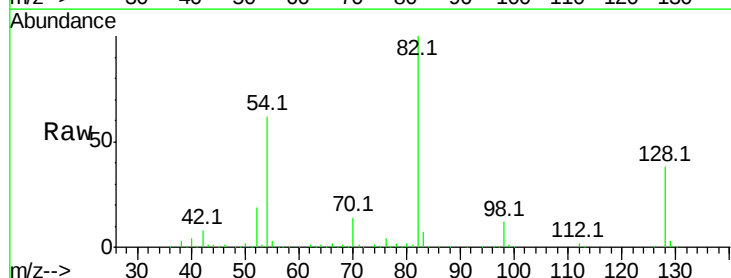


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

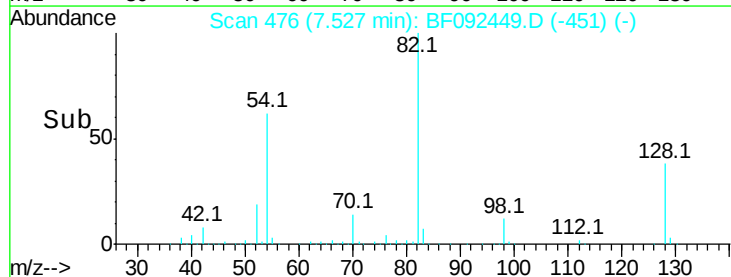
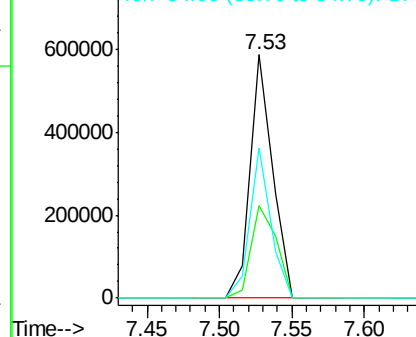


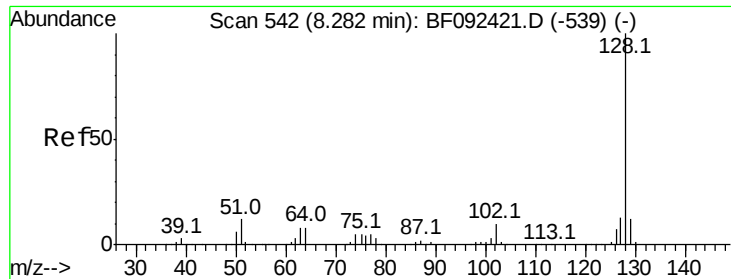
#23
Nitrobenzene-d5
Concen: 58.33 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.9	34.6	52.0	
54	61.9	39.5	59.3#	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





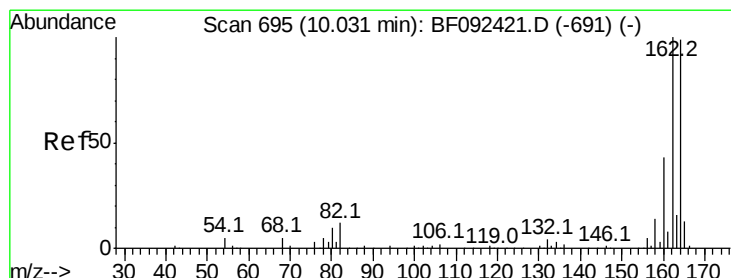
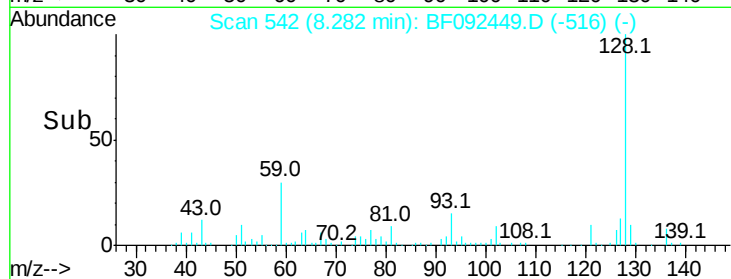
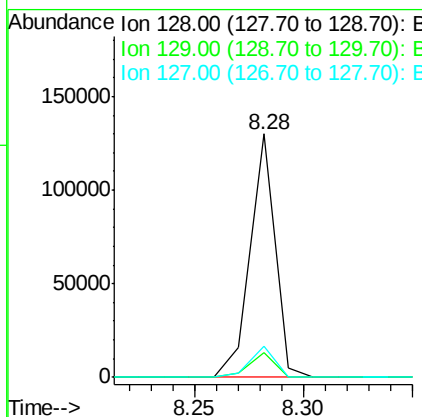
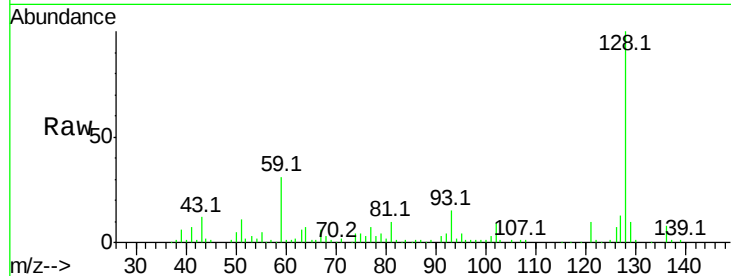
#31
Naphthalene
Concen: 3.42 ng
RT: 8.28 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-001-C

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.5	14.3
127	13.0	10.8	16.2

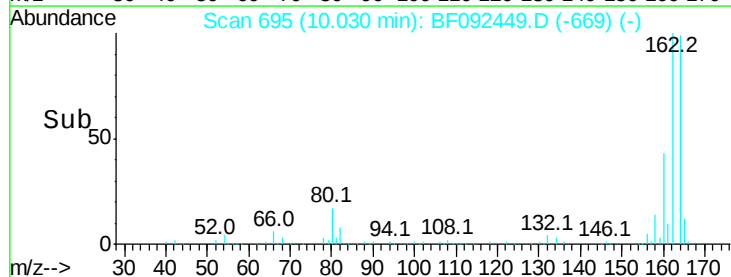
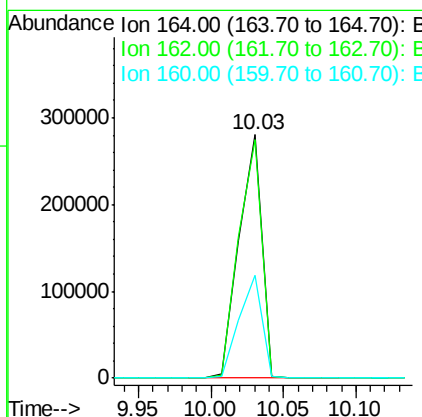
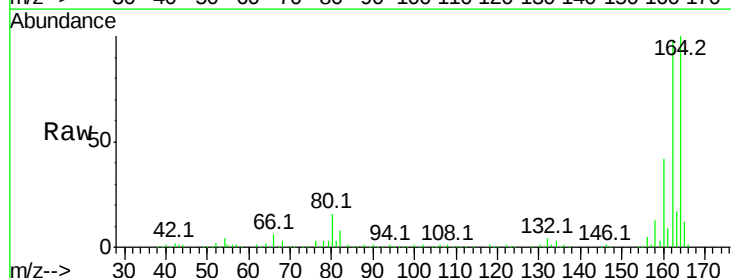
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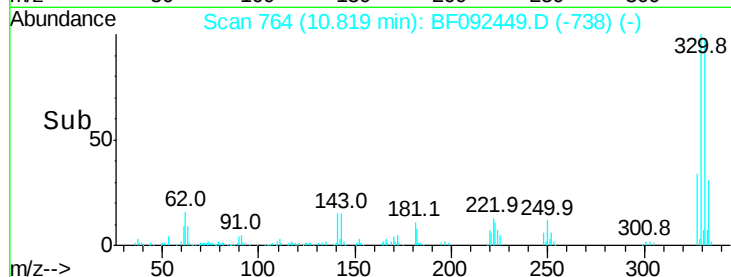
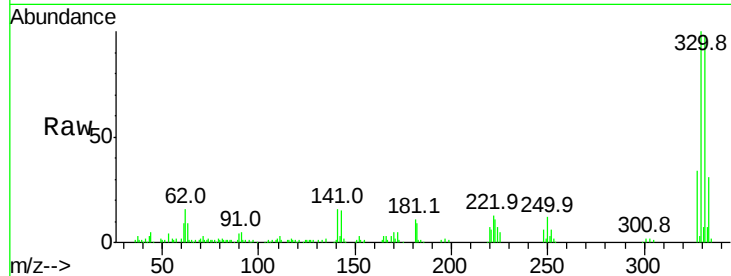
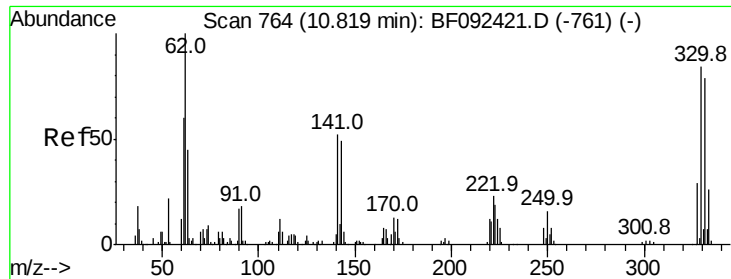
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.0	80.2	120.2
160	42.0	36.9	55.3





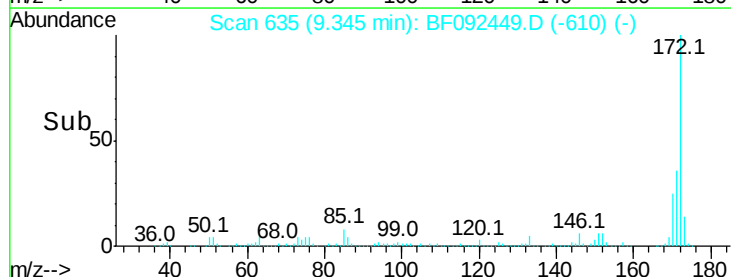
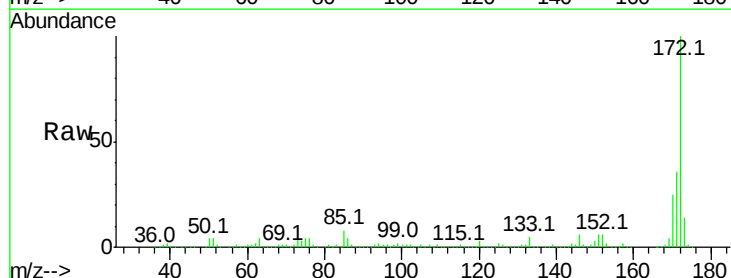
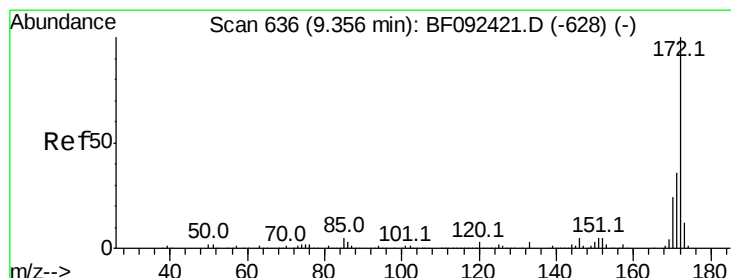
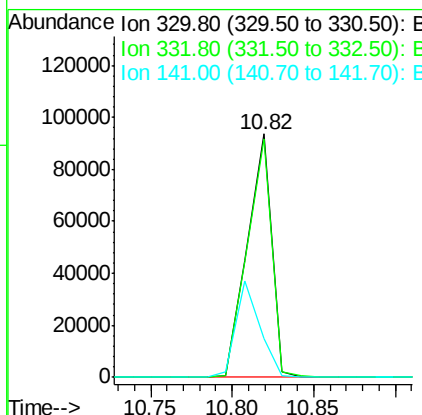
#41
 2,4,6-Tribromophenol
 Concen: 46.71 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BF092449.D
 Acq: 25 Jan 2017 00:36

Tot Ion	Ratio	Resp	Lower	Upper
330	100	97645		
332	98.1		77.4	116.2
141	39.4		34.1	51.1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-001-C

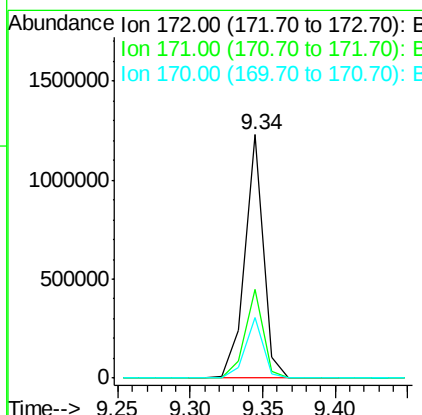
Manual Integrations
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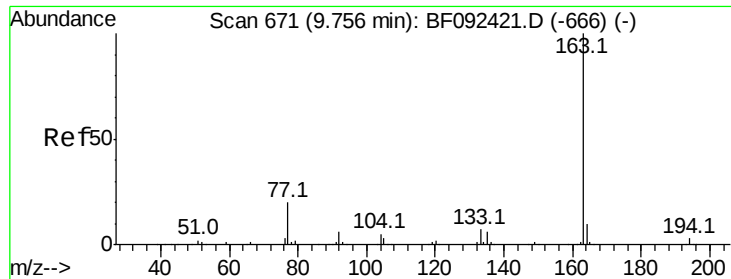
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#44
 2-Fluorobiphenyl
 Concen: 65.76 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092449.D
 Acq: 25 Jan 2017 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1090831		
171	36.4		29.4	44.0
170	24.7		20.2	30.4





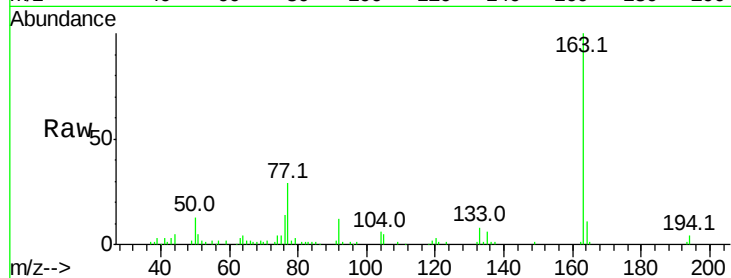
#49
Dimethylphthalate
Concen: 4.54 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-001-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	88480		
194	3.6		3.0	4.4
164	10.7		8.0	12.0

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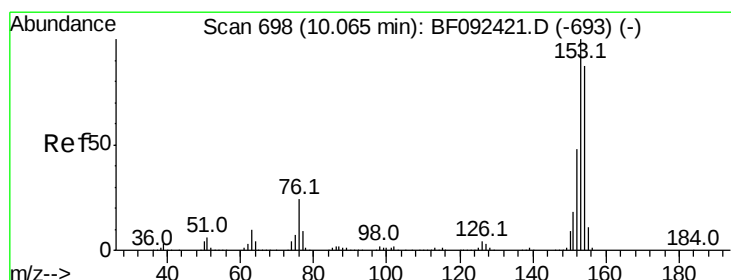
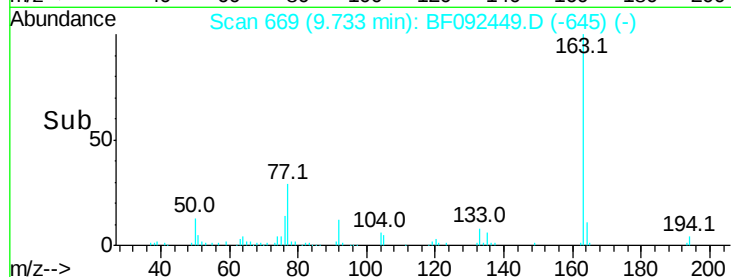
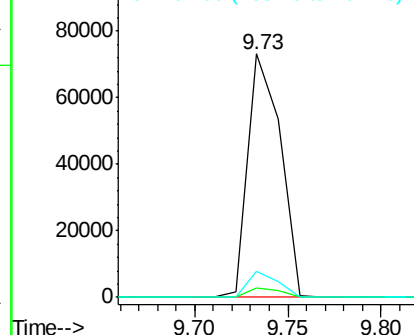


Abundance

Ion 163.00 (162.70 to 163.70): E

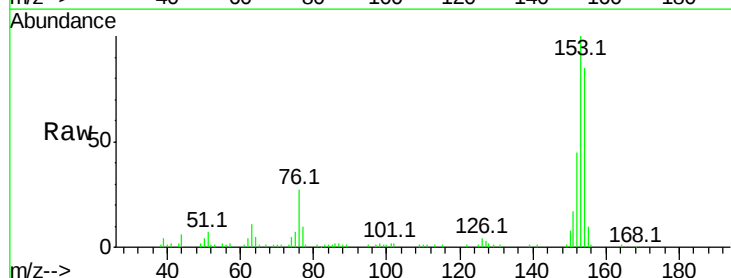
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 3.76 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.01 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	62060		
153	117.8		88.6	133.0
152	53.4		41.6	62.4

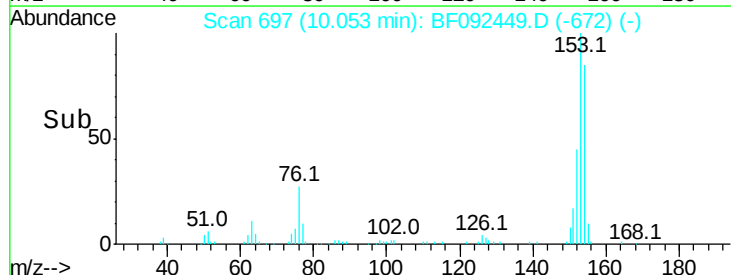
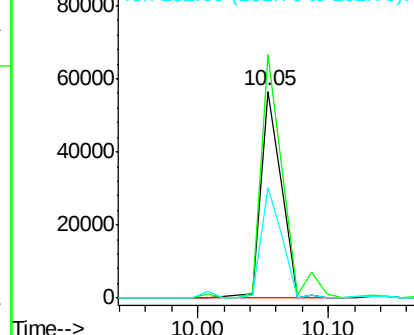


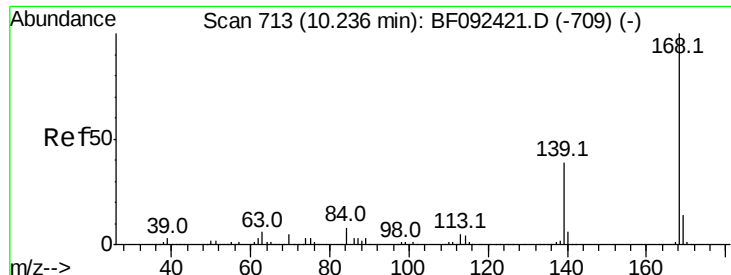
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





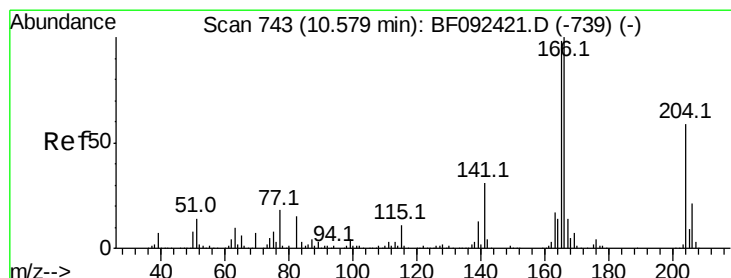
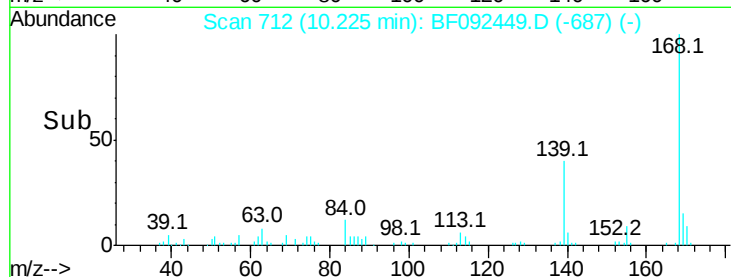
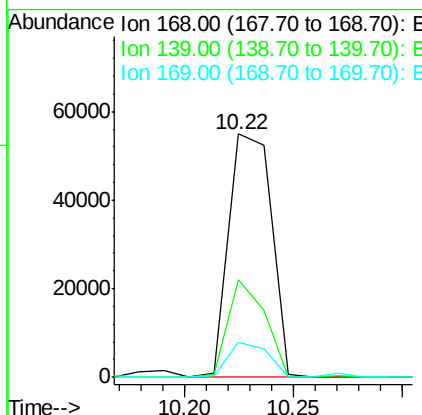
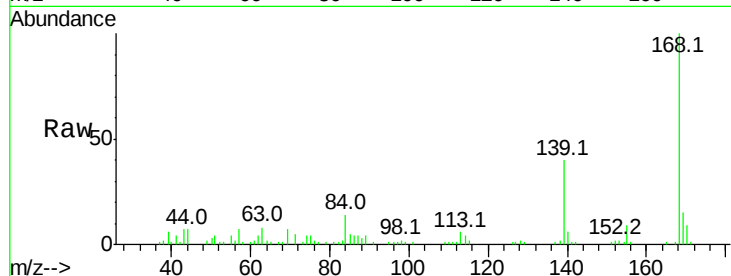
#54
Dibenzofuran
Concen: 3.33 ng
RT: 10.22 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-001-C

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.3	32.6	49.0
169	14.5	11.3	16.9

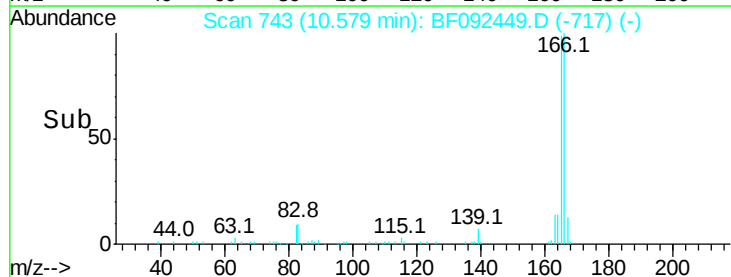
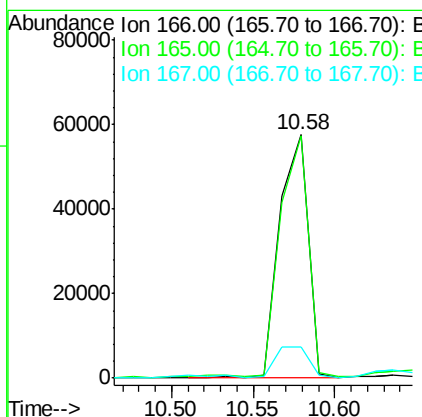
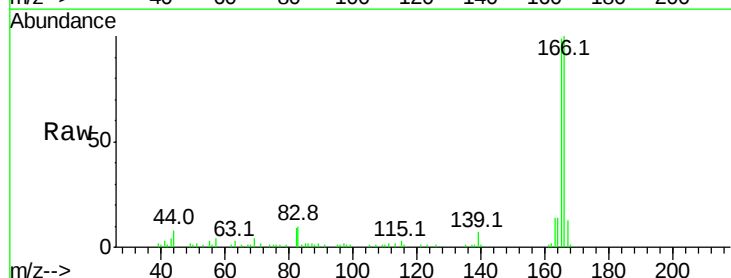
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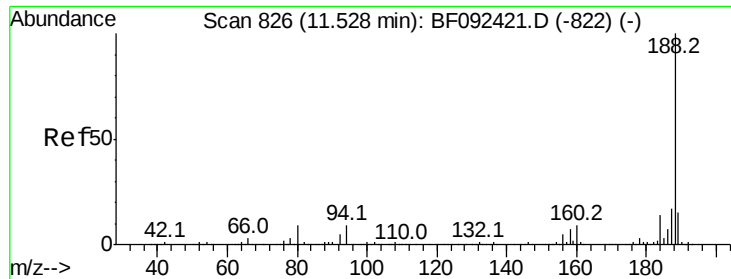
mohammad
1/25/2017 3:50:05 PM



#57
Fluorene
Concen: 4.23 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.00 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	77.8	116.8
167	12.7	10.8	16.2





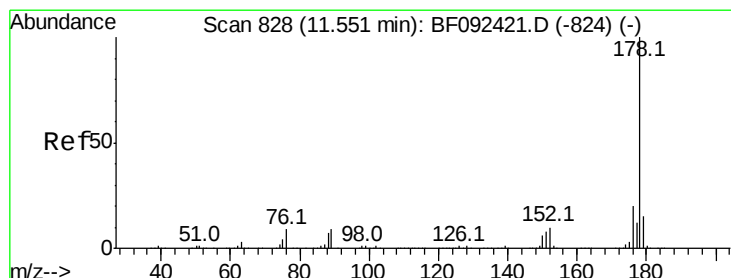
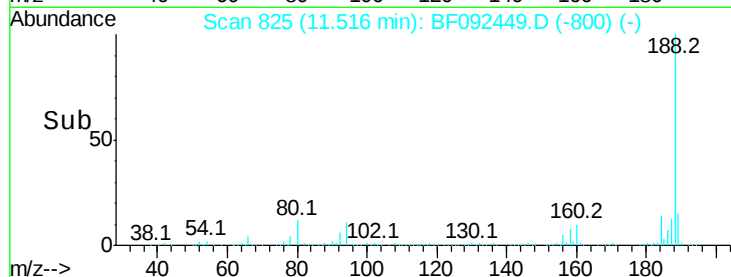
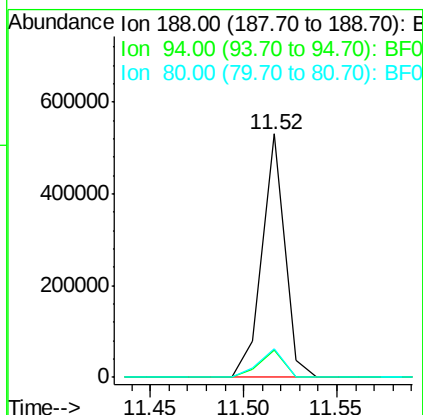
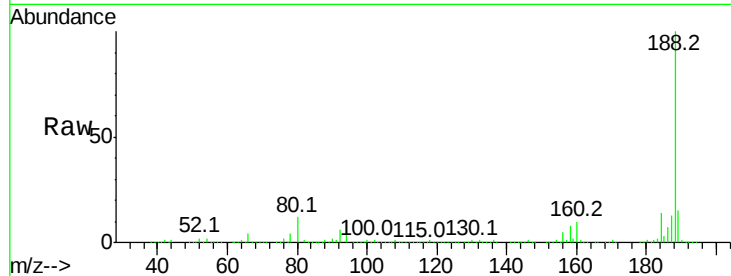
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-001-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100	445776		
94	11.3	10.0	15.0	
80	11.9	11.2	16.8	

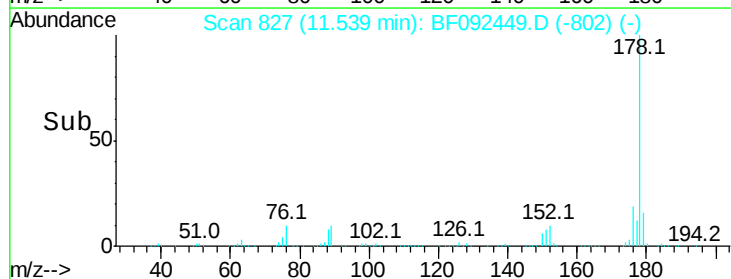
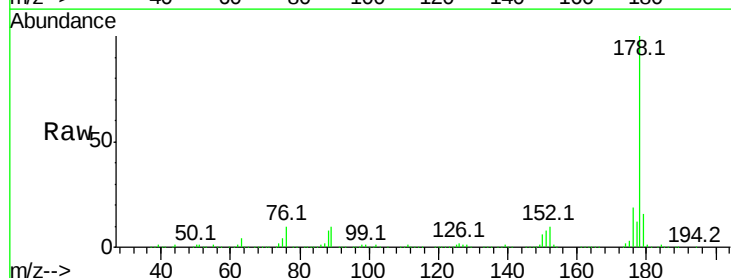
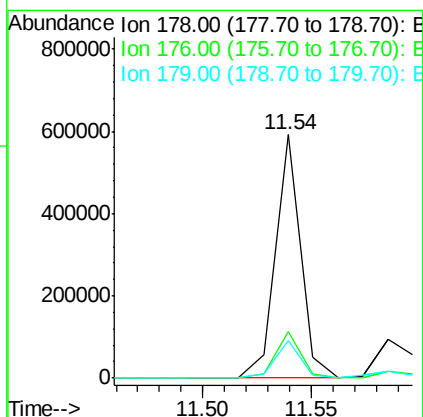
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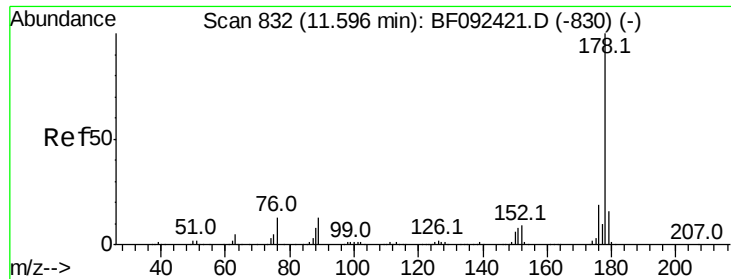
mohammad
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#70
Phenanthrene
Concen: 19.65 ng
RT: 11.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	482445		
176	19.3	16.6	25.0	
179	15.6	12.8	19.2	





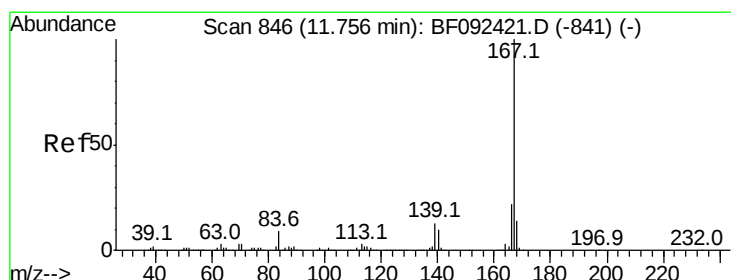
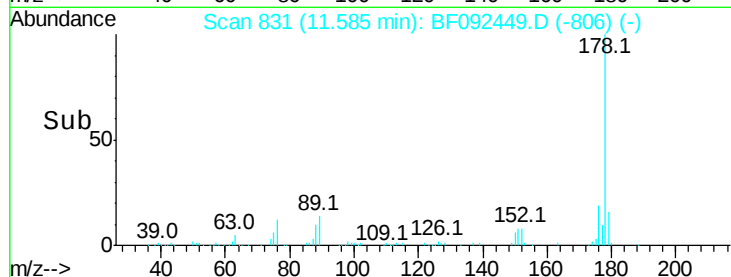
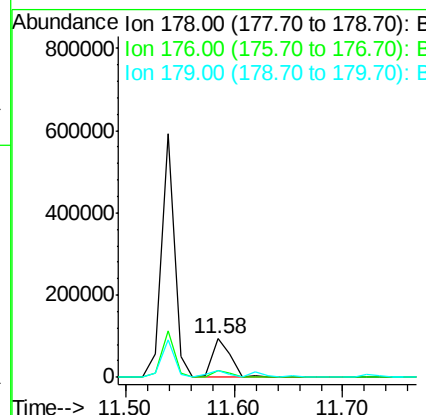
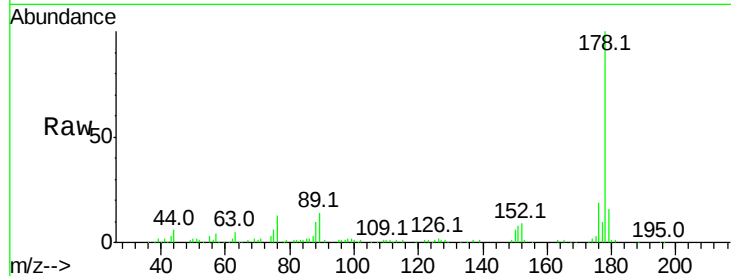
#71
 Anthracene
 Concen: 4.68 ng
 RT: 11.58 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: BF092449.D
 Acq: 25 Jan 2017 00:36

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-001-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	16.3	13.2	19.8

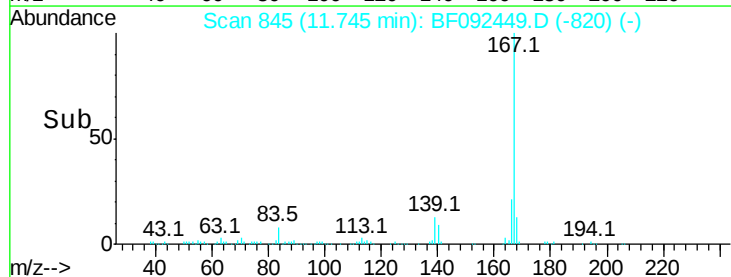
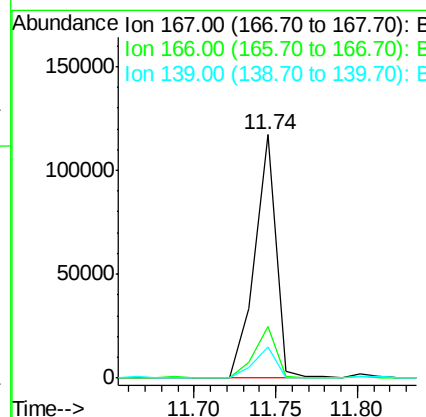
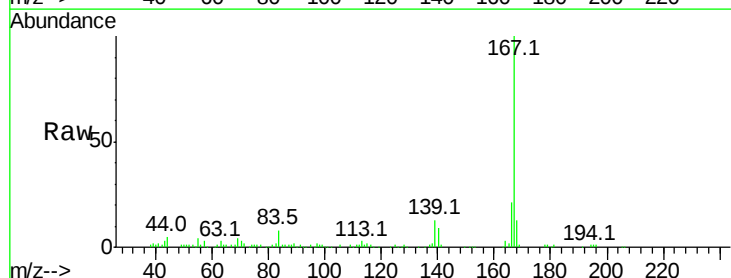
Manual Integrations
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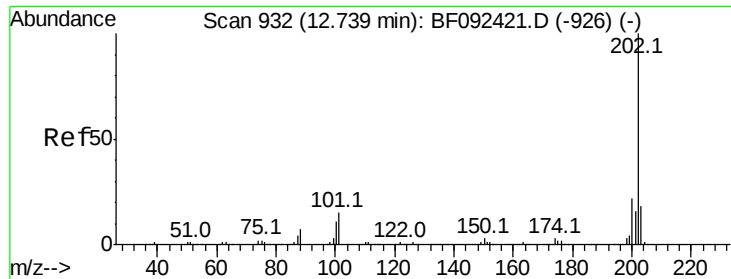
mohammad
 1/25/2017 3:50:05 PM



#72
 Carbazole
 Concen: 4.67 ng
 RT: 11.74 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BF092449.D
 Acq: 25 Jan 2017 00:36

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.2	27.2
139	13.0	11.4	17.2





#74

Fluoranthene

Concen: 14.66 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF092449.D

Acq: 25 Jan 2017 00:36

Instrument :

BNA_F

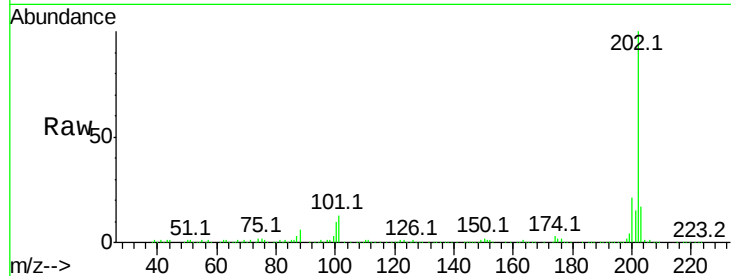
ClientSampleId :

FK-SF-01-001-C

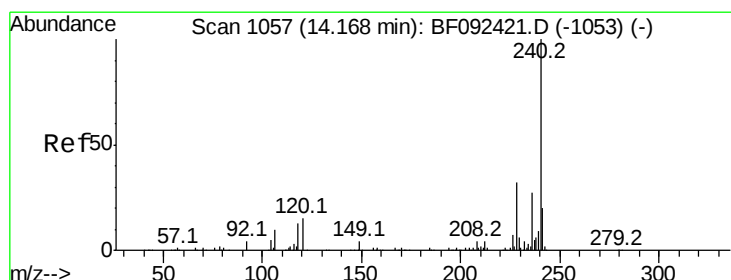
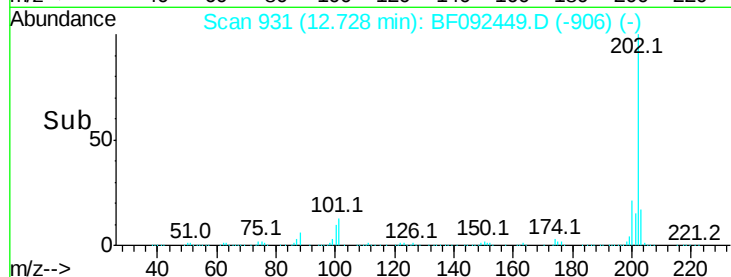
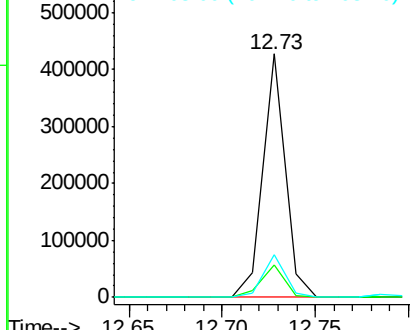
Tot Ion	Ratio	Resp	Lower	Upper
202	100	352114		
101	13.4	0.0	34.6	
203	17.3	0.0	38.7	

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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

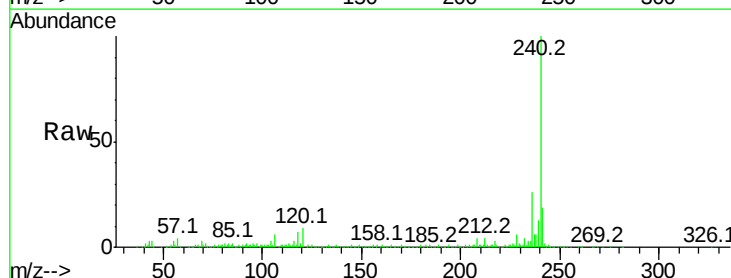
RT: 14.16 min Scan# 1056

Delta R.T. -0.01 min

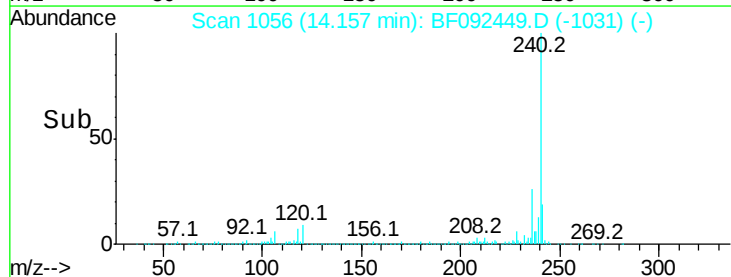
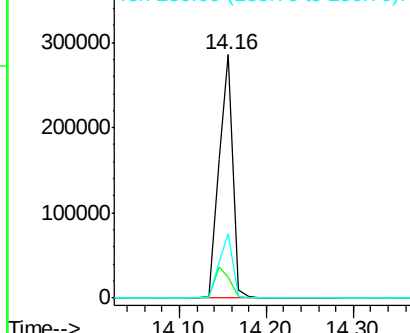
Lab File: BF092449.D

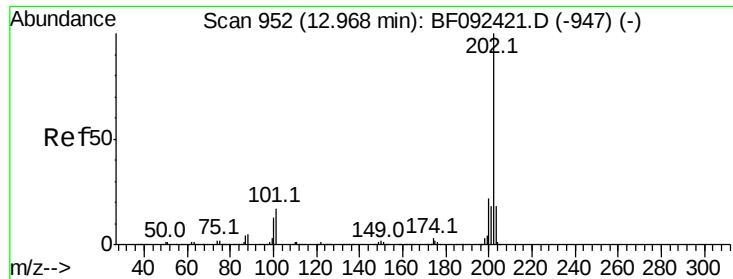
Acq: 25 Jan 2017 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	321423		
120	8.7	12.9	19.3#	
236	26.2	20.9	31.3	



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

Pvrene

Concen: 12.36 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF092449.D

Acq: 25 Jan 2017 00:36

Instrument :

BNA_F

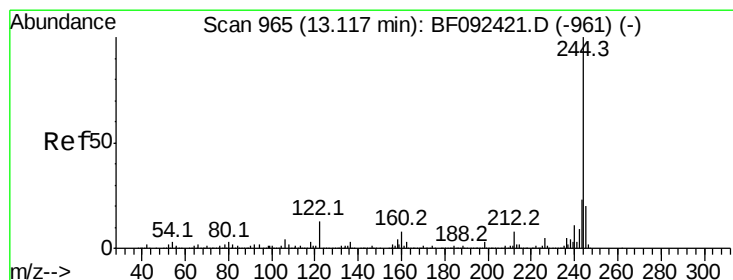
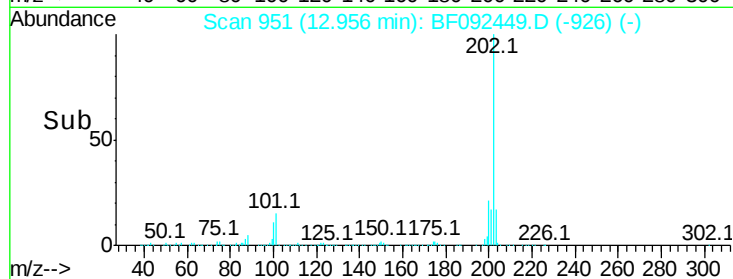
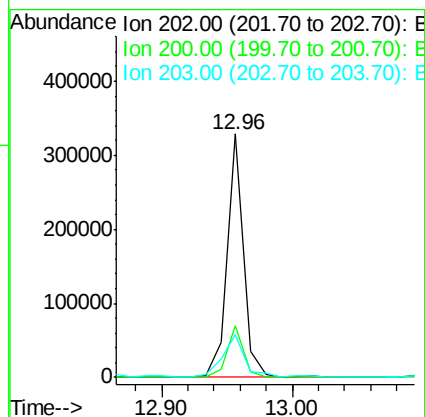
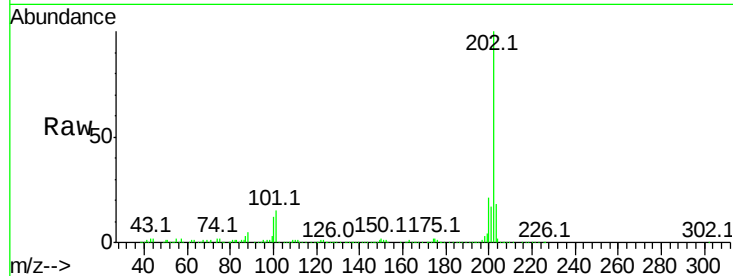
ClientSampleId :

FK-SF-01-001-C

Tot Ion:	202	Resp:	287786
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.7	26.5
203	17.8	14.7	22.1

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#78

Terphenyl-d14

Concen: 64.60 ng

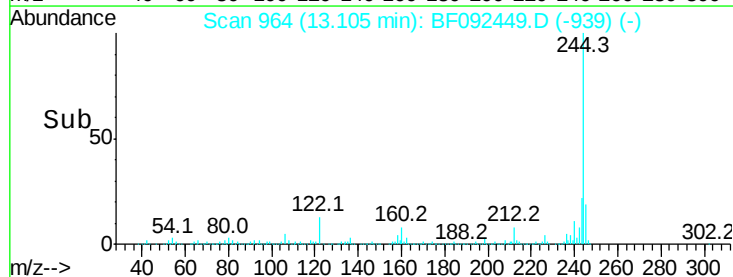
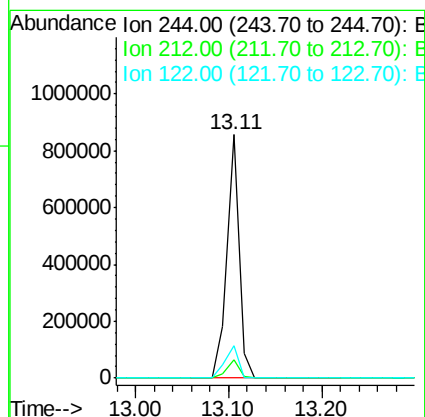
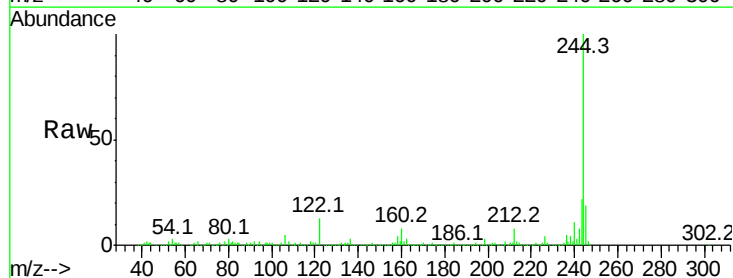
RT: 13.11 min Scan# 964

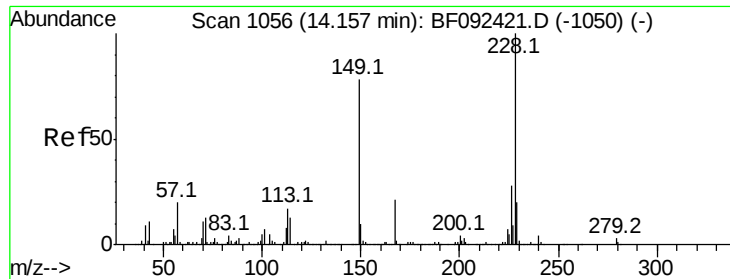
Delta R.T. -0.01 min

Lab File: BF092449.D

Acq: 25 Jan 2017 00:36

Tgt Ion:	244	Resp:	779779
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	13.3	11.4	17.2





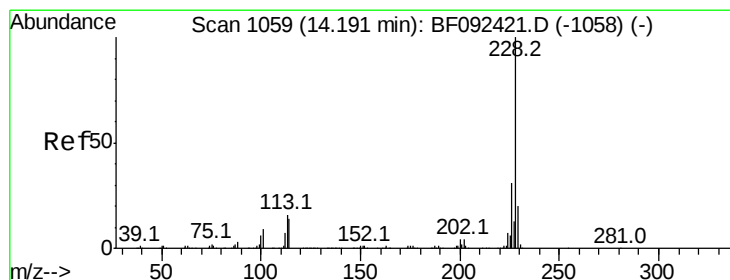
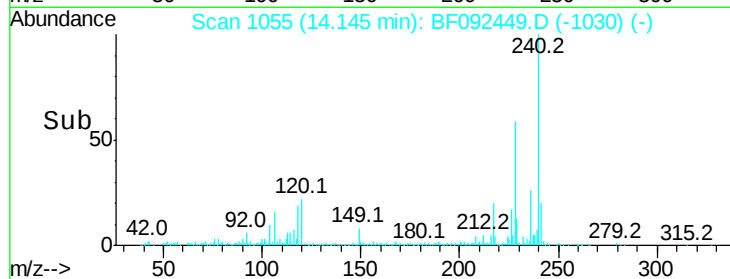
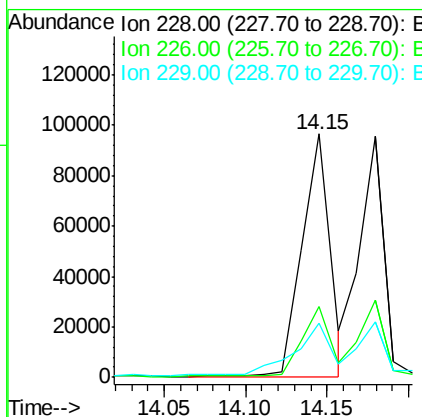
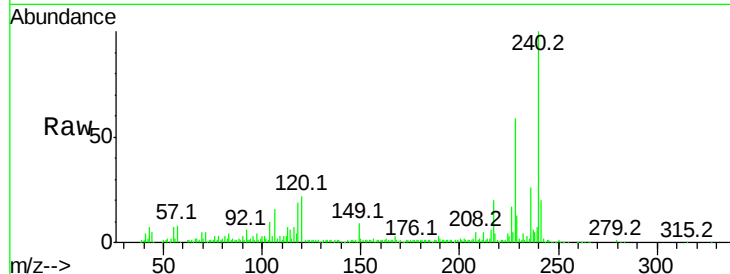
#80
Benzo(a)anthracene
Concen: 6.66 ng
RT: 14.15 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-001-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.4	33.6
229	22.3	16.2	24.4

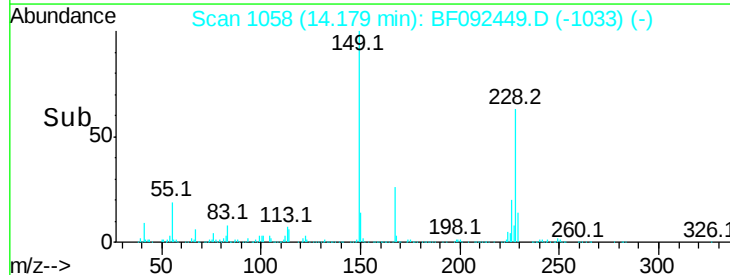
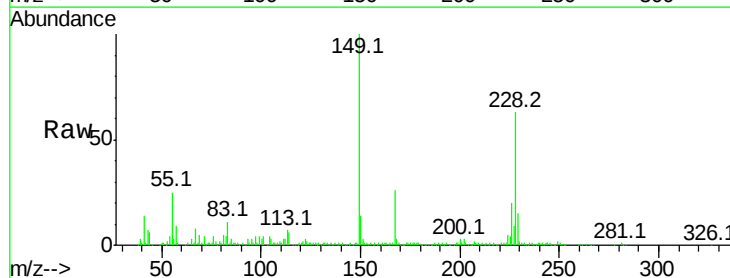
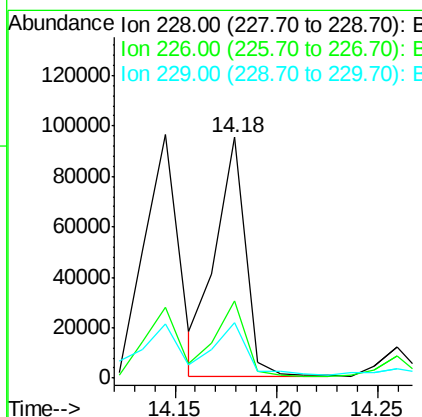
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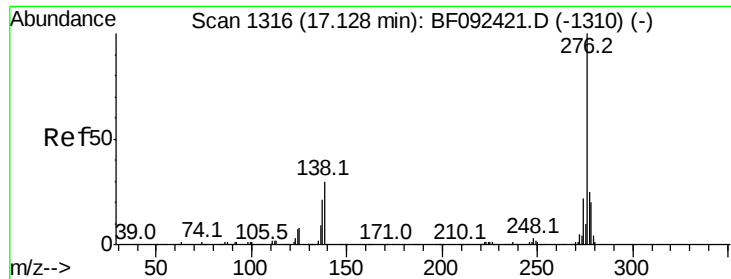
mohammad
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#82
Chrysene
Concen: 5.36 ng m
RT: 14.18 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.4	38.0
229	23.3	16.2	24.2





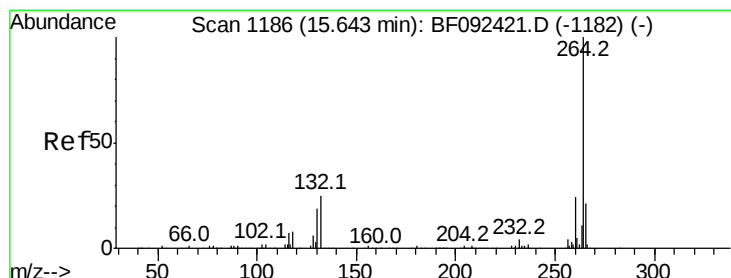
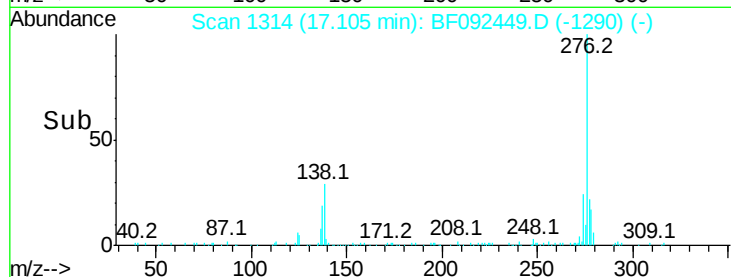
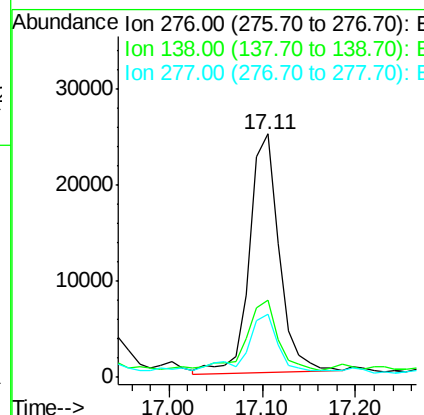
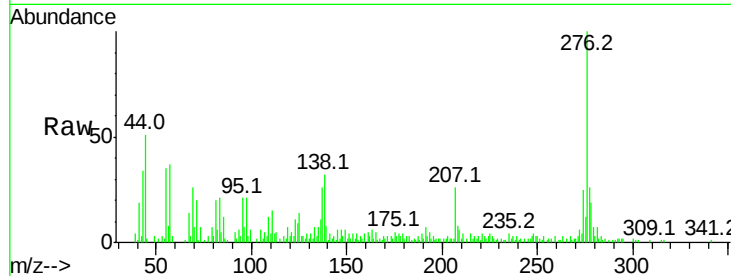
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.01 ng
RT: 17.11 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-001-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.8	21.8	32.6#
277	24.6	20.2	30.4

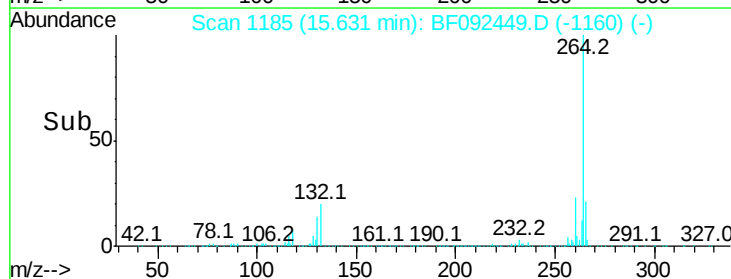
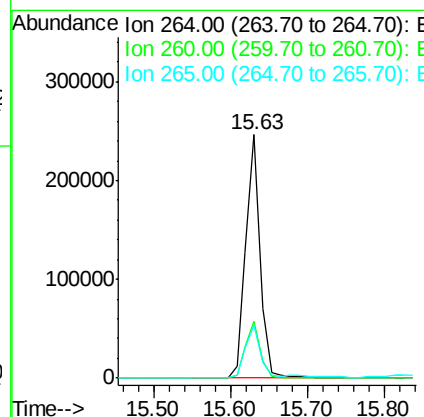
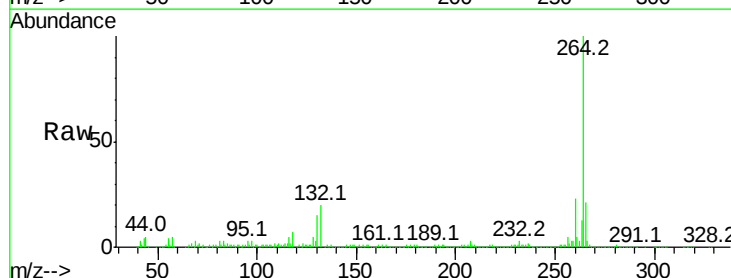
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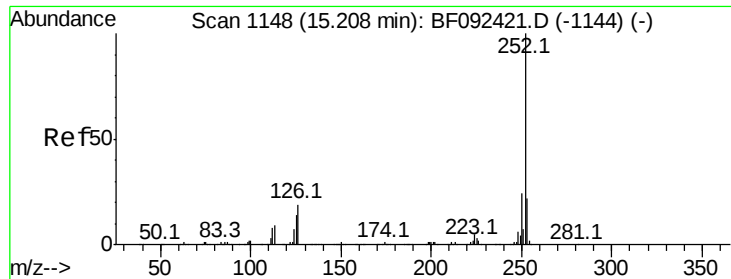
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 5.53 ng m

RT: 15.20 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF092449.D

Acq: 25 Jan 2017 00:36

Instrument :

BNA_F

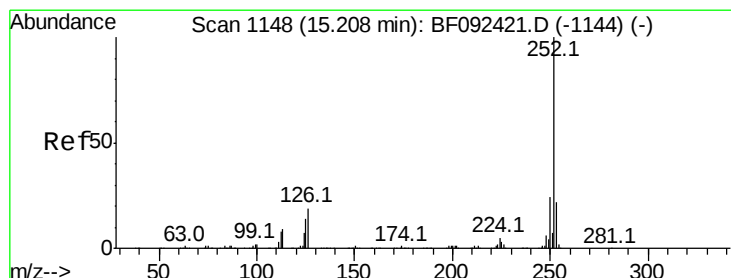
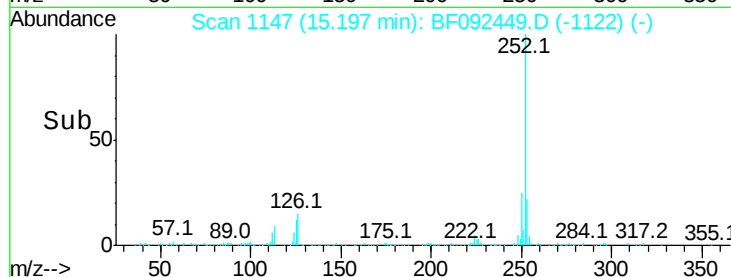
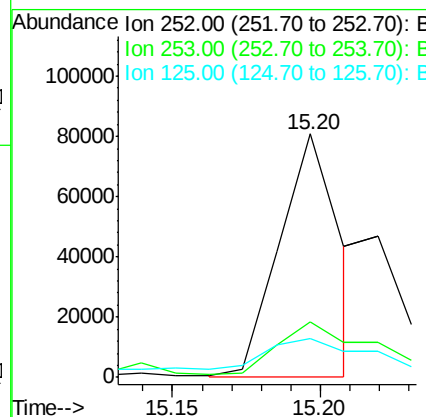
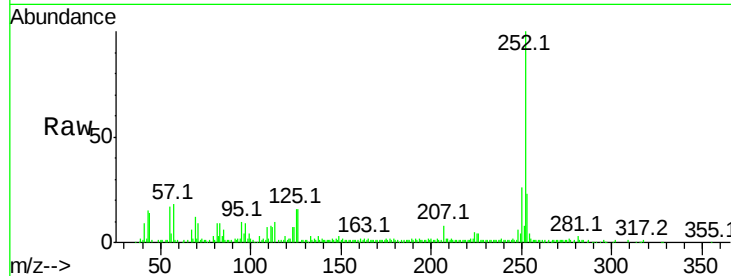
ClientSampleId :

FK-SF-01-001-C

Tot Ion:	252	Resp:	115841
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.2	27.4
125	15.9	9.8	14.6#

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#88

Benzo(k)fluoranthene

Concen: 2.81 ng m

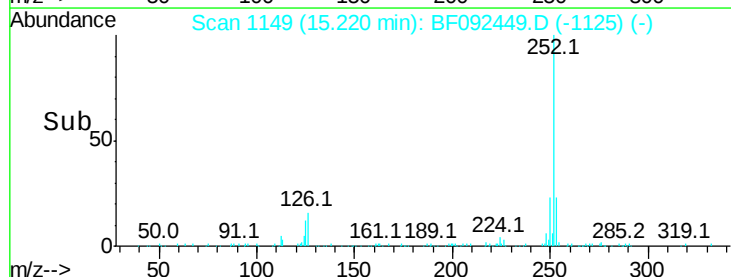
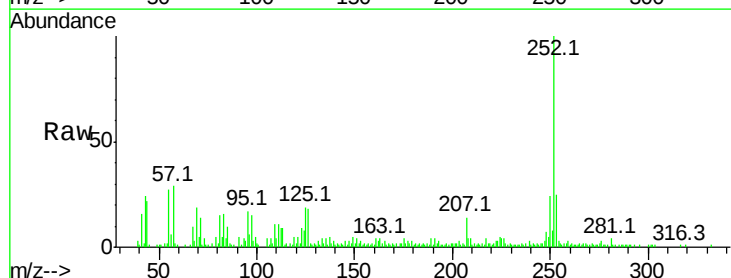
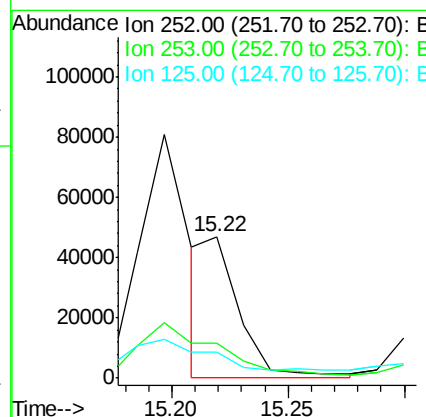
RT: 15.22 min Scan# 1149

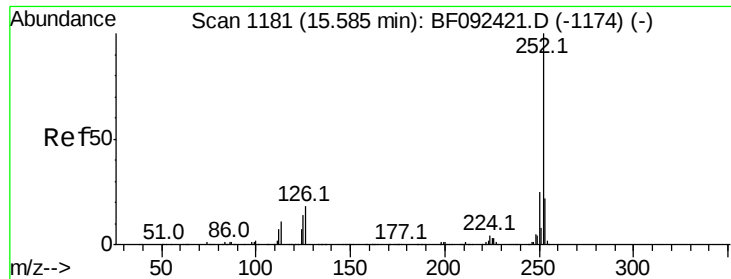
Delta R.T. -0.02 min

Lab File: BF092449.D

Acq: 25 Jan 2017 00:36

Tgt Ion:	252	Resp:	48923
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.5	27.7
125	18.8	8.9	13.3#





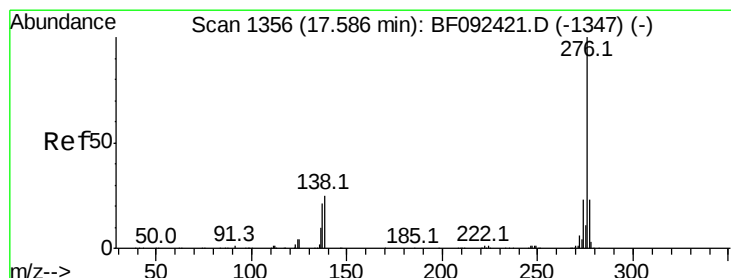
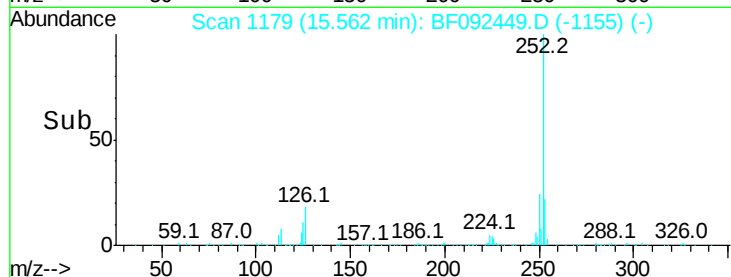
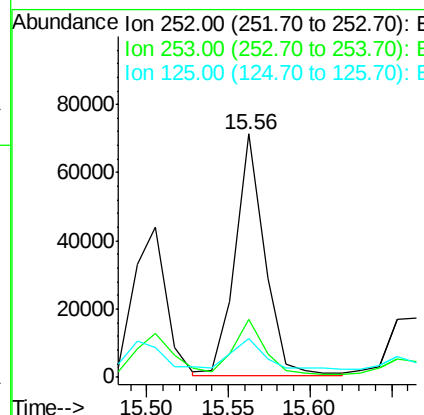
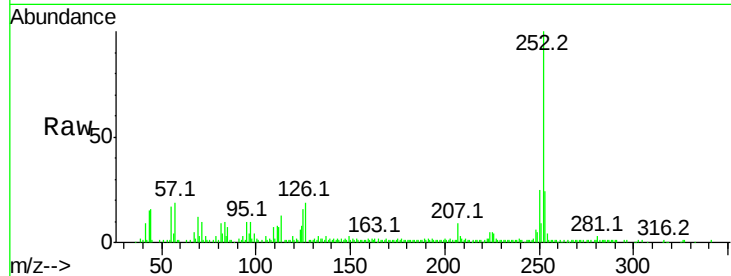
#89
Benzo(a)pyrene
Concen: 4.95 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-001-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	16.1	10.0	15.0

Manual Integrations
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1/25/2017 3:50:05 PM



#91
Benzo(g,h,i)perylene
Concen: 3.80 ng
RT: 17.55 min Scan# 1353
Delta R.T. -0.03 min
Lab File: BF092449.D
Acq: 25 Jan 2017 00:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	19.2	28.8
138	30.0	16.0	24.0

