

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
 Data File : BF098045.D
 Acq On : 25 Aug 2017 22:11
 Operator : SJ/JU
 Sample : I4956-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-B

Manual Integrations
 APPROVED

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Quant Time: Aug 26 00:14:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	117082	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	441322	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	169970	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	259794	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	247632	20.00	ng	-0.01
86) Perylene-d12	15.30	264	192836	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	857197	111.36	ng	0.00
7) Phenol-d6	6.37	99	1158312	110.75	ng	-0.01
23) Nitrobenzene-d5	7.30	82	681811	83.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	142988	96.96	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	938025	81.08	ng	-0.01
78) Terphenyl-d14	12.84	244	605513	50.99	ng	-0.01
Target Compounds						
10) Phenol	6.39	94	36761	3.005	ng	Qvalue 96
49) Dimethylphthalate	9.49	163	129898	10.455	ng	98
70) Phenanthrene	11.27	178	110529	7.984	ng	98
71) Anthracene	11.33	178	35981	2.563	ng	99
74) Fluoranthene	12.46	202	182229	12.611	ng	97
77) Pyrene	12.69	202	153452	7.577	ng	98
80) Benzo(a)anthracene	13.87	228	80539	5.427	ng	96
82) Chrysene	13.91	228	66737	4.520	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	22538	2.075	ng	# 92
87) Benzo(b)fluoranthene	14.90	252	71539m	5.886	ng	
88) Benzo(k)fluoranthene	14.92	252	27158m	2.378	ng	
89) Benzo(a)pyrene	15.24	252	48355	4.494	ng	# 95
91) Benzo(a,h,i)perylene	17.09	276	23233	2.542	ng	94

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

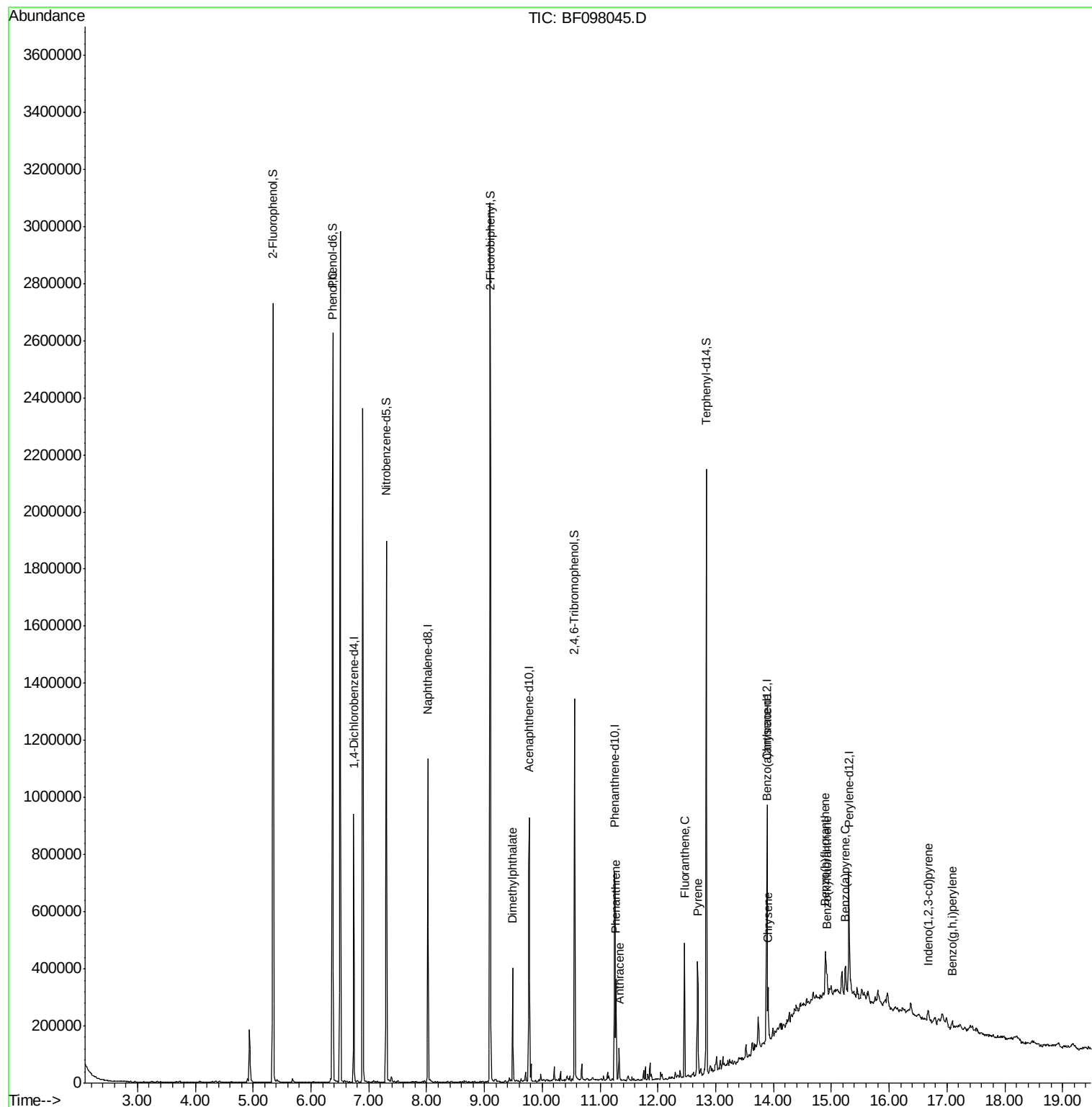
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
Data File : BF098045.D
Acq On : 25 Aug 2017 22:11
Operator : SJ/JU
Sample : I4956-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

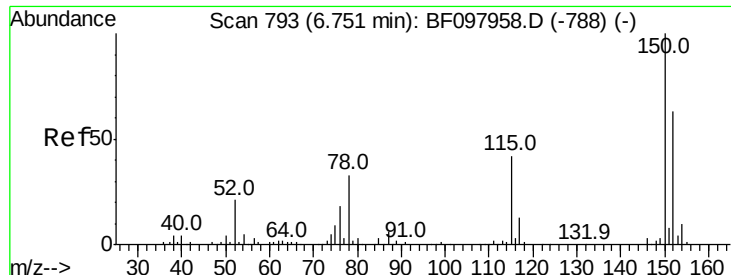
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-010-B

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Quant Time: Aug 26 00:14:07 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

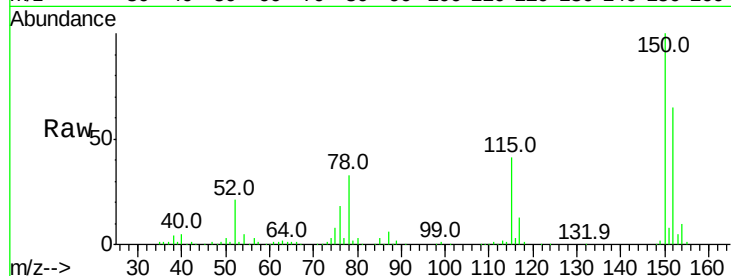
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-010-B

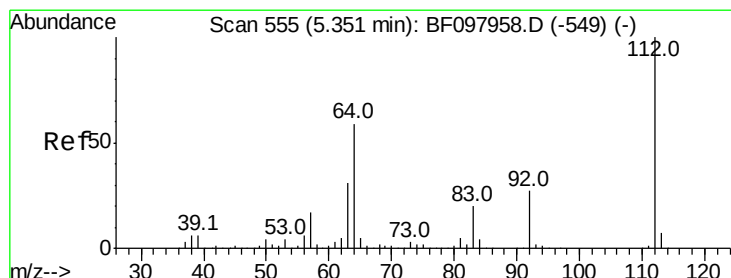
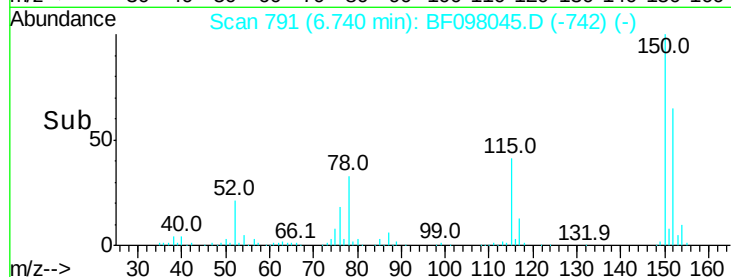
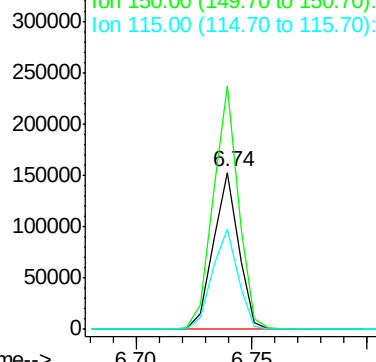
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	63.9	52.2	78.2

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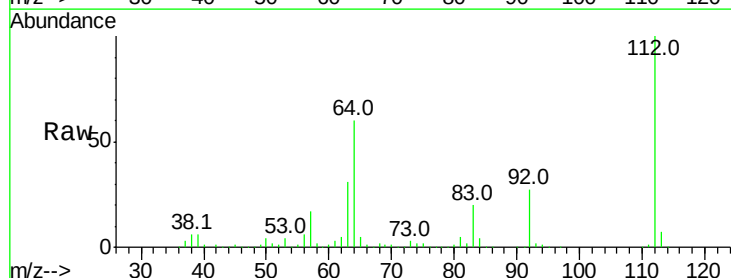
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



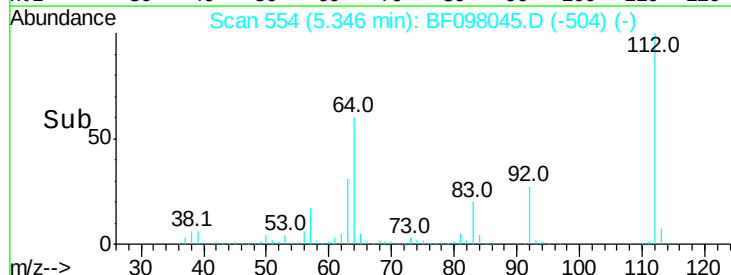
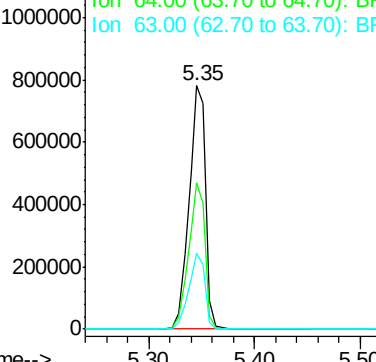
#5

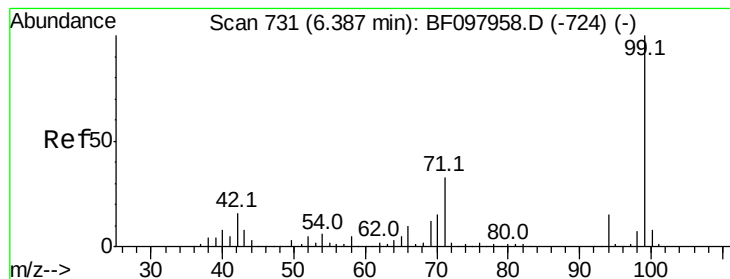
2-Fluorophenol
Concen: 111.363 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	46.0	69.0
63	31.3	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.754 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

Instrument :

BNA_F

ClientSampled :

FK-GF-02-010-B

Tot Ion: 99 Resp: 1158312

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

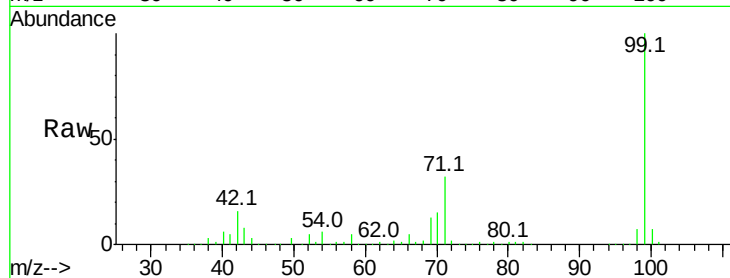
71 32.5 24.5 36.7

Manual Integrations

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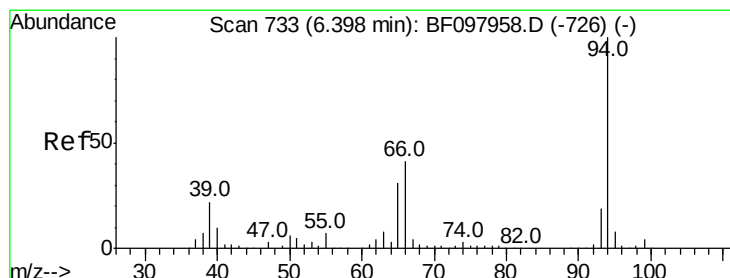
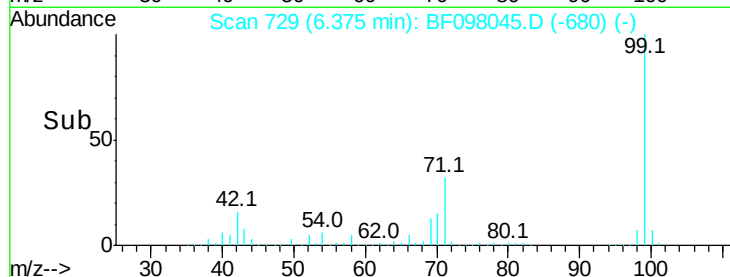
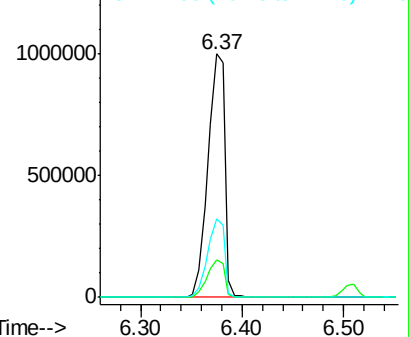
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.005 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

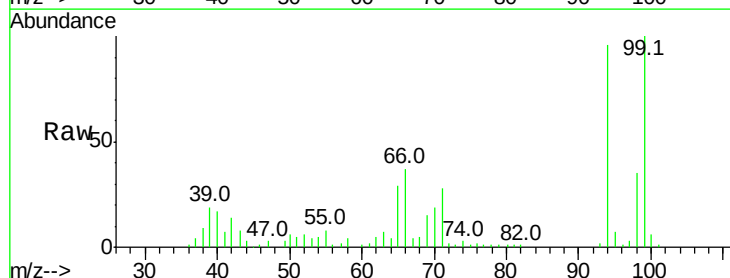
Tgt Ion: 94 Resp: 36761

Ion Ratio Lower Upper

94 100

65 30.3 9.9 49.9

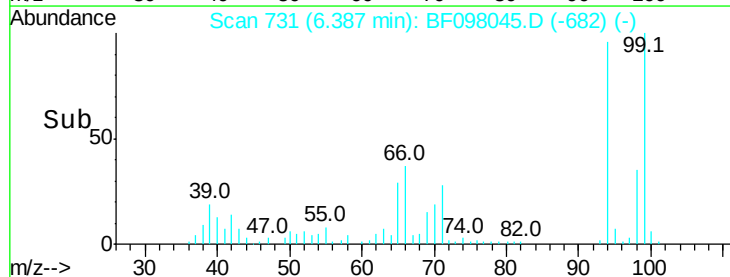
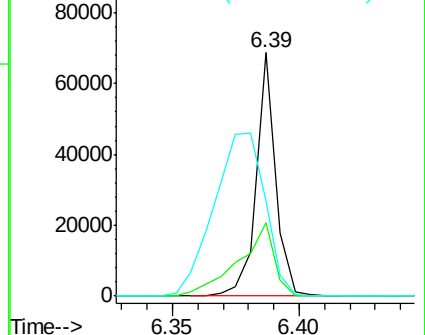
66 39.1 23.1 63.1

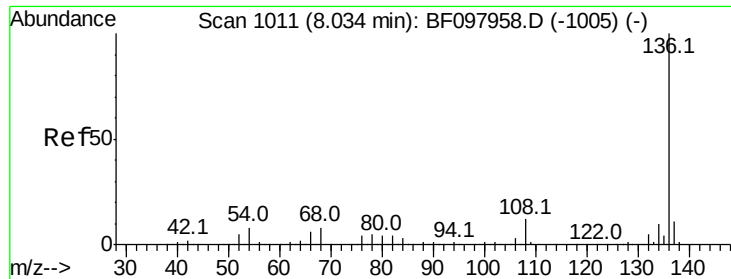


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





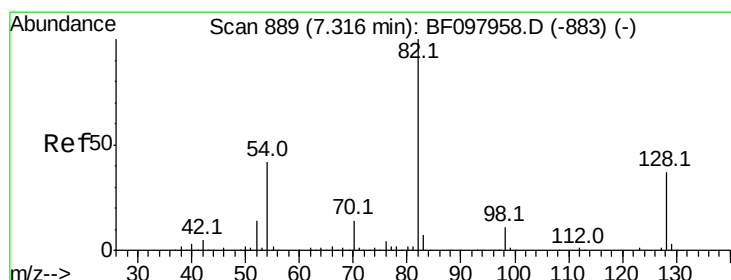
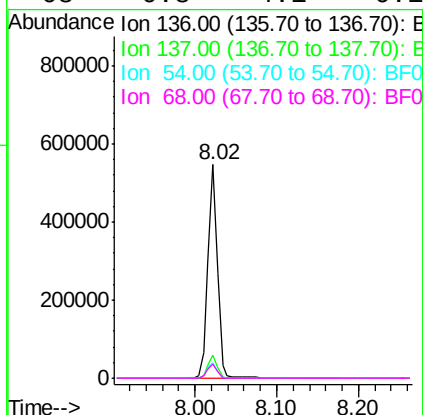
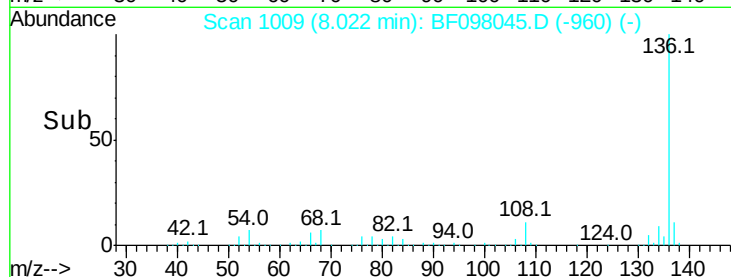
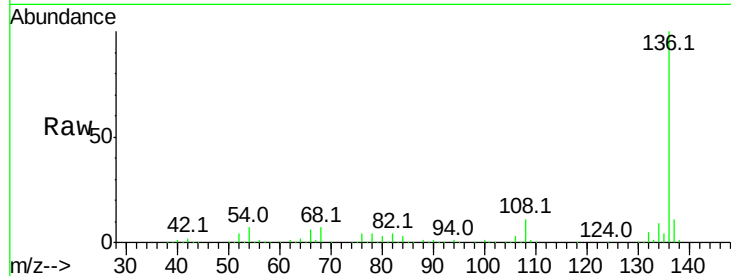
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-010-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	7.2	4.9	7.3	
68	6.8	4.1	6.1	

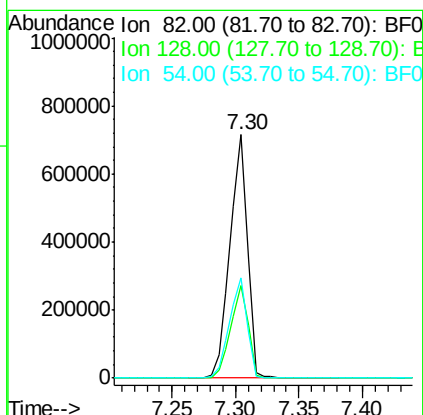
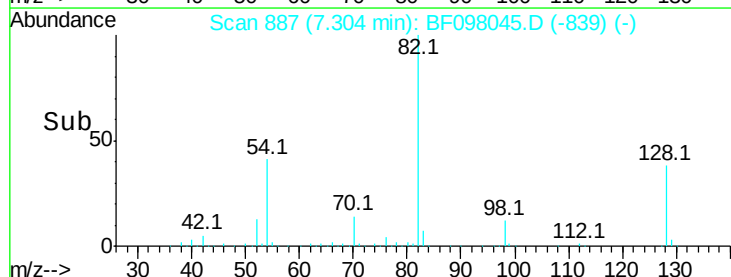
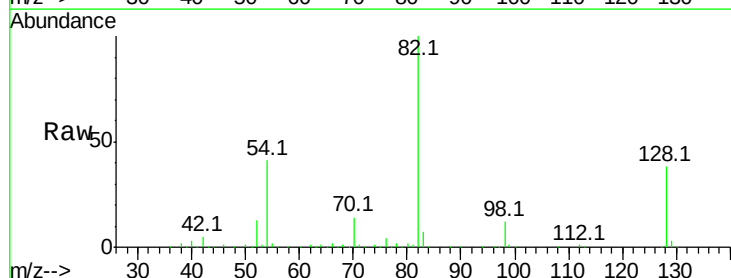
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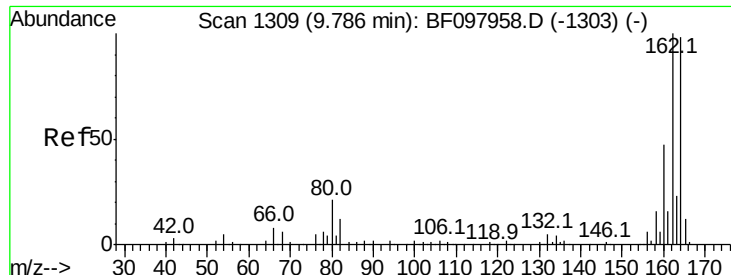
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#23
Nitrobenzene-d5
Concen: 83.928 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.2	34.0	51.0	
54	41.4	42.2	63.2	





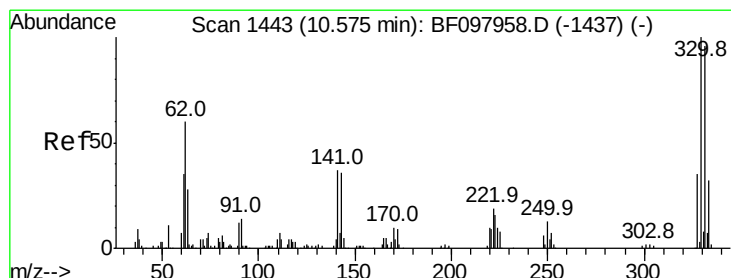
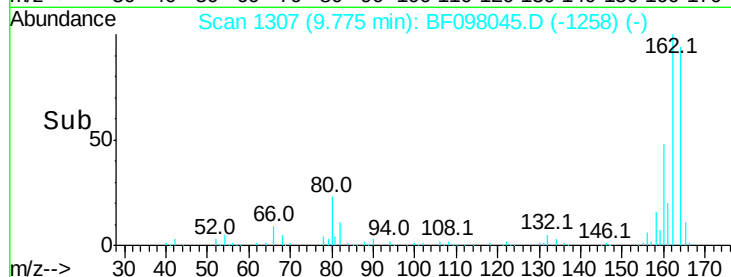
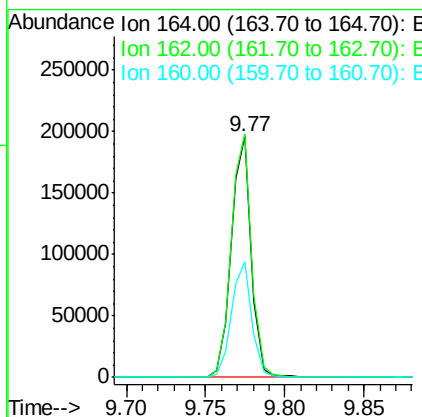
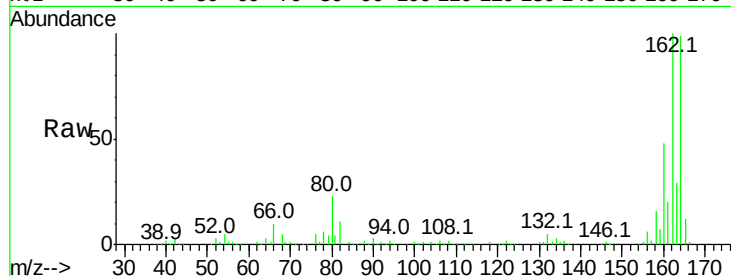
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100	169970		
162	101.0	82.6	123.8	
160	48.0	36.2	54.2	

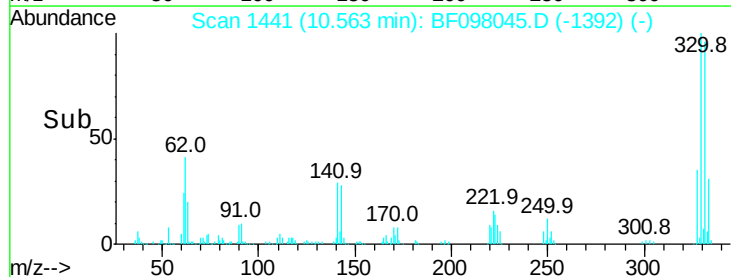
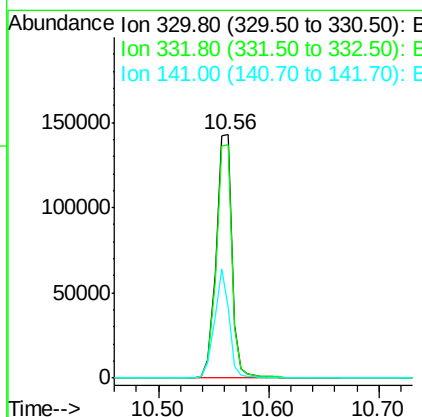
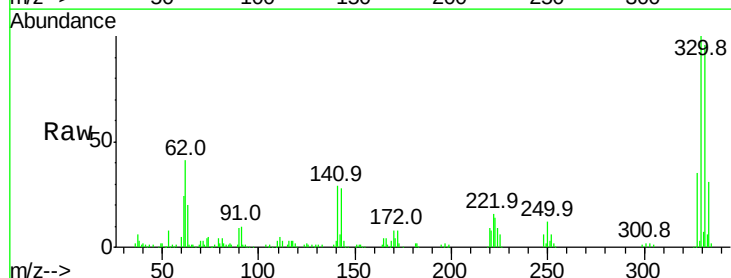
Manual Integrations
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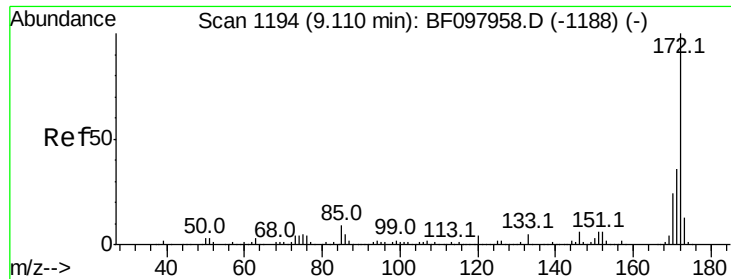
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#41
 2,4,6-Tribromophenol
 Concen: 96.956 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	142988		
332	95.2	76.6	115.0	
141	40.5	31.4	47.2	





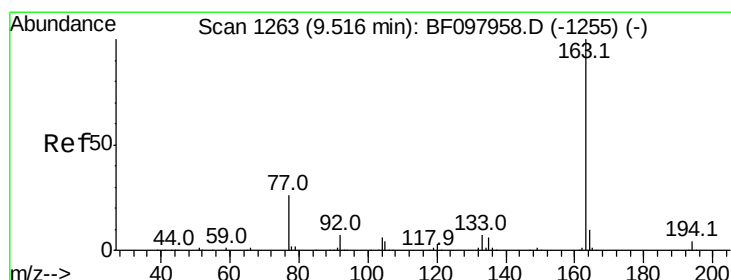
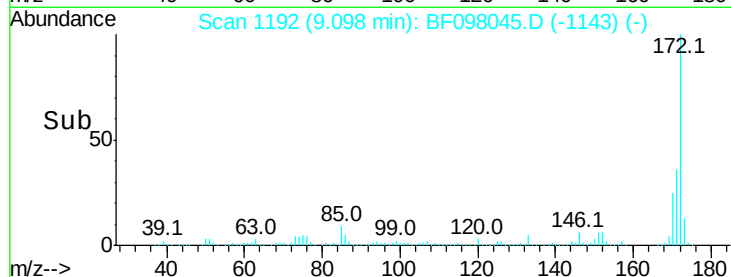
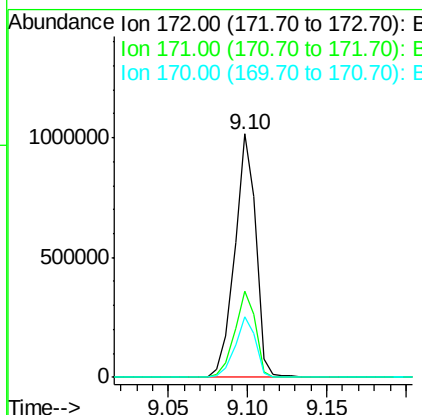
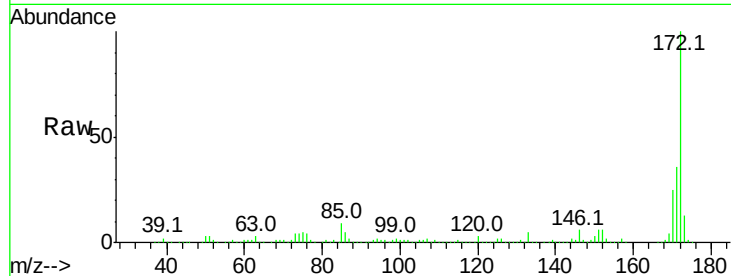
#44
2-Fluorobiphenyl
Concen: 81.082 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-010-B

Tot Ion	Ratio	Resp	Lower	Upper
172	100	938025		
171	35.6		29.6	44.4
170	24.7		19.8	29.8

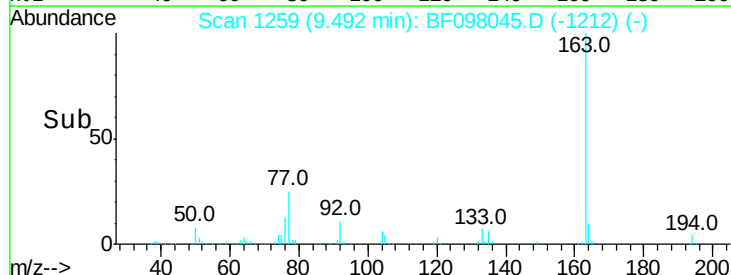
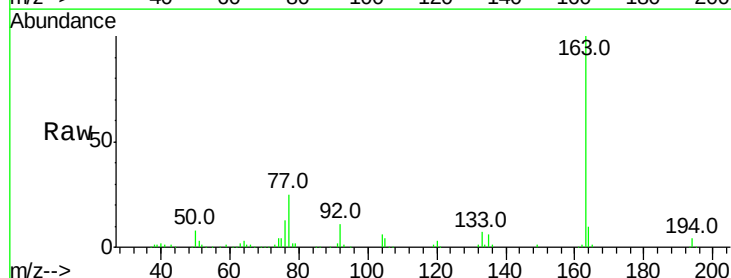
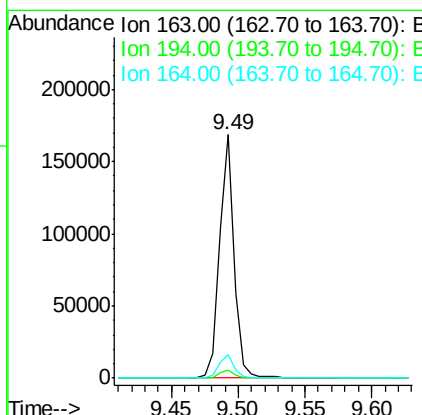
Manual Integrations
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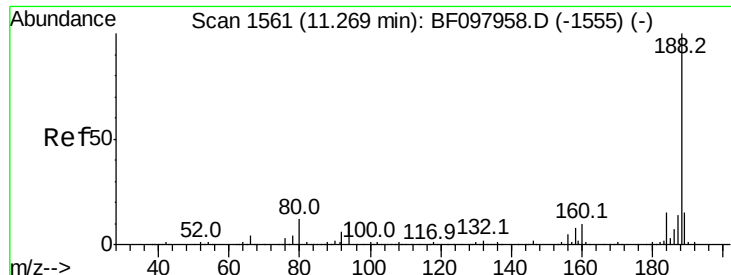
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#49
Dimethylphthalate
Concen: 10.455 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	129898		
194	3.5		2.6	4.0
164	9.6		8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

Instrument :

BNA_F

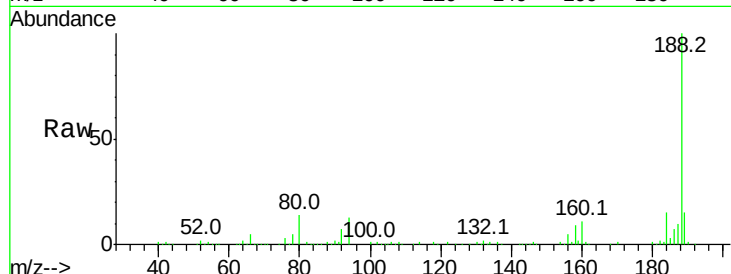
ClientSampleId :

FK-GF-02-010-B

Tot Ion:	188	Resp:	259794
Ion Ratio	Lower	Upper	
188	100		
94	12.7	9.4	14.2
80	13.7	10.2	15.2

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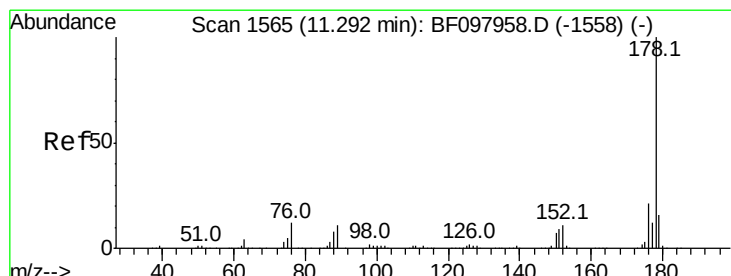
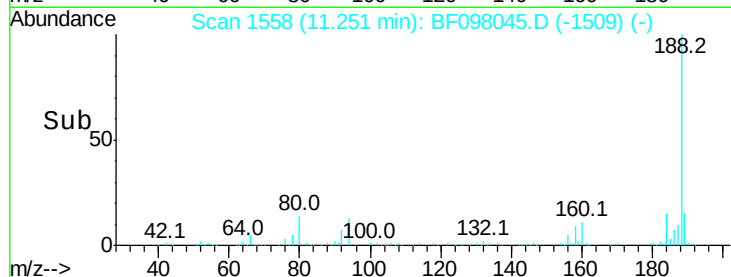
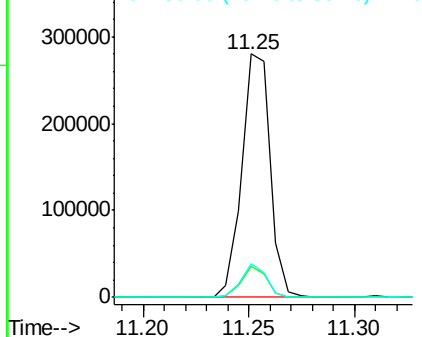
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 7.984 ng

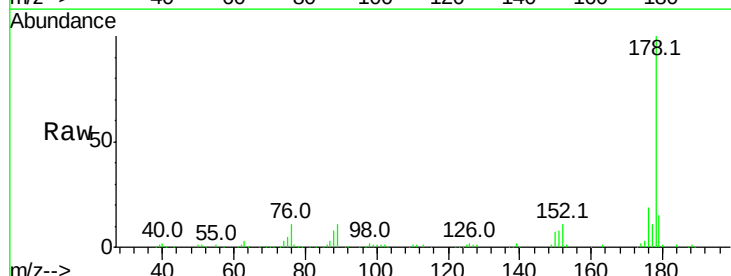
RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

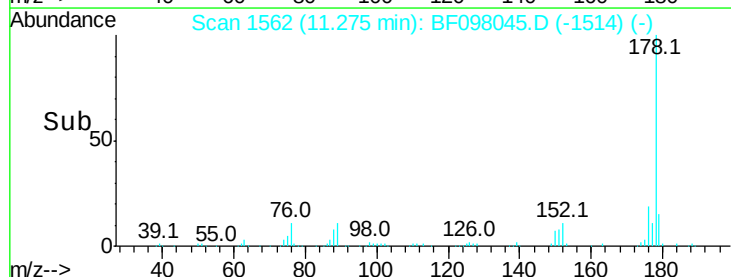
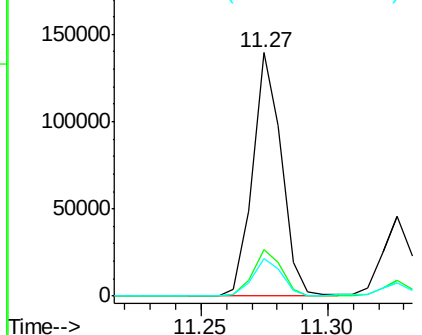
Tgt Ion:	178	Resp:	110529
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	15.5	12.6	19.0

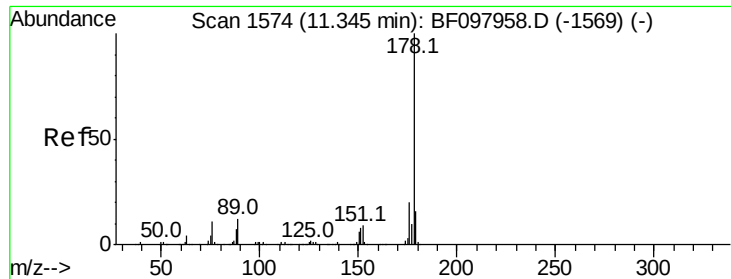


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





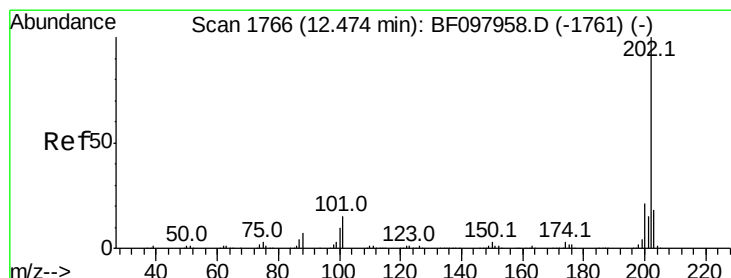
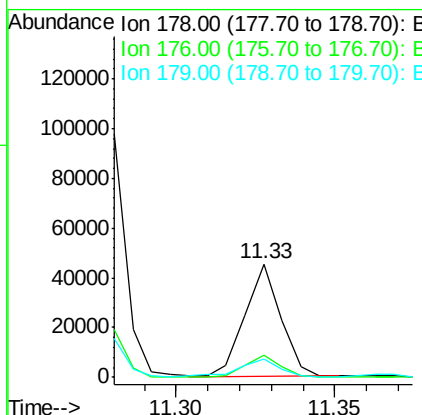
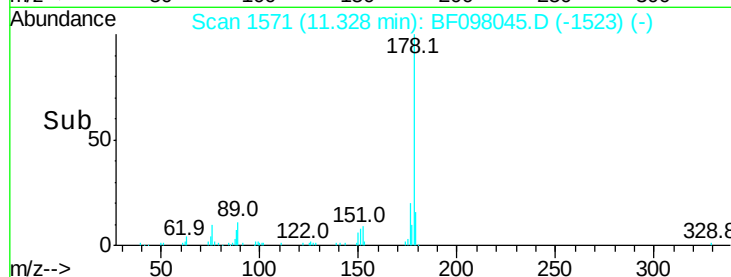
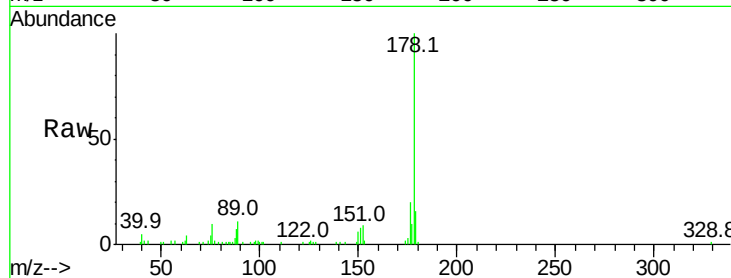
#71
 Anthracene
 Concen: 2.563 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	16.2	12.7	19.1

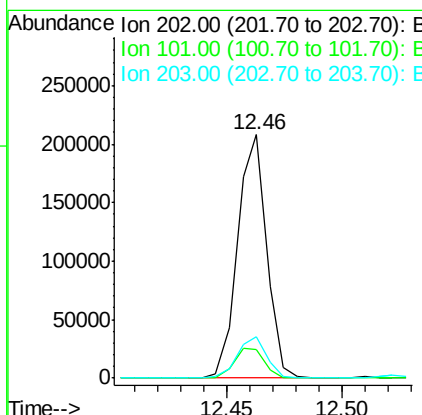
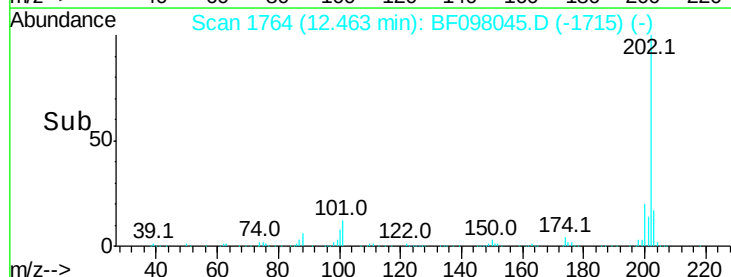
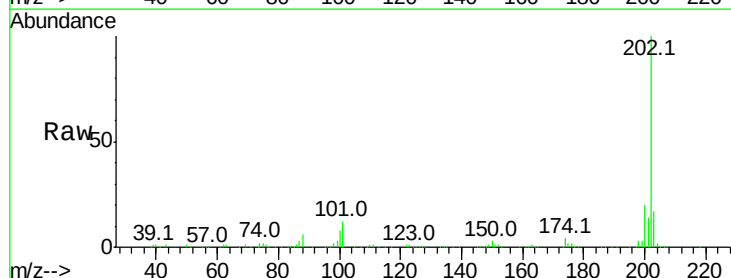
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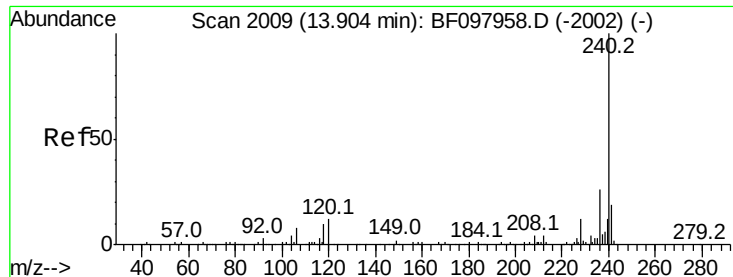
Sohil
 8/28/2017 3:13:31 PM



#74
 Fluoranthene
 Concen: 12.611 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

Instrument :

BNA_F

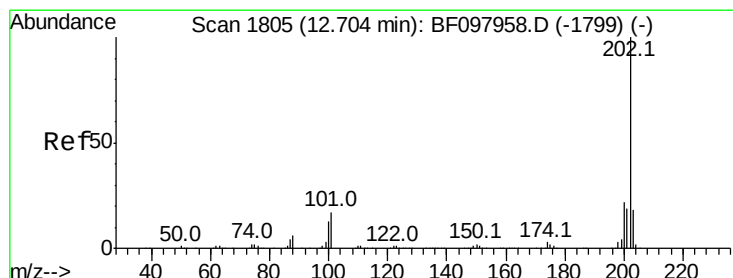
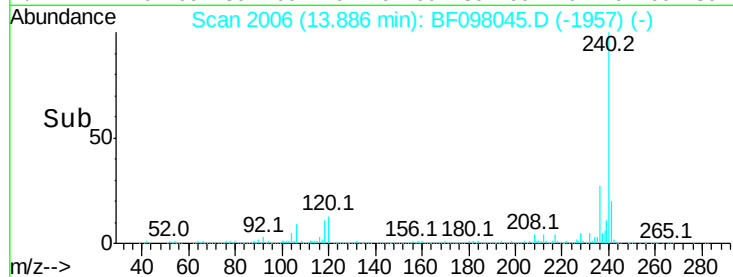
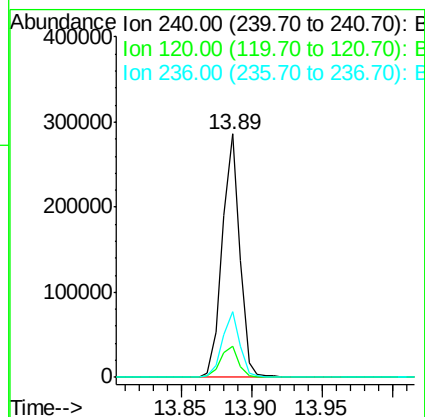
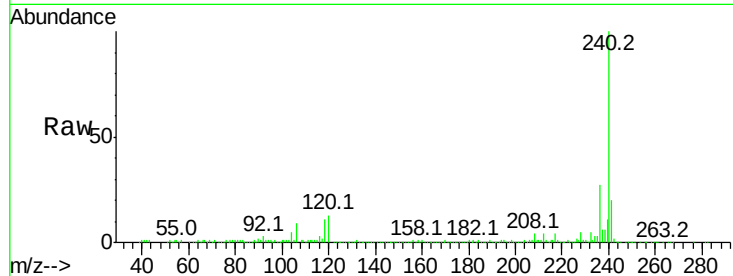
ClientSampleId :

FK-GF-02-010-B

Tot Ion:	240	Resp:	247632
Ion Ratio	Lower	Upper	
240	100		
120	12.7	5.8	8.8#
236	26.9	20.5	30.7

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#77

Pyrene

Concen: 7.577 ng

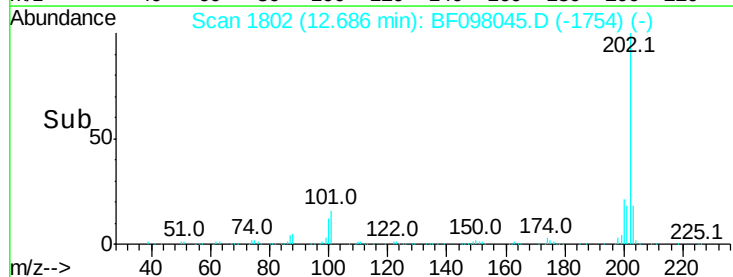
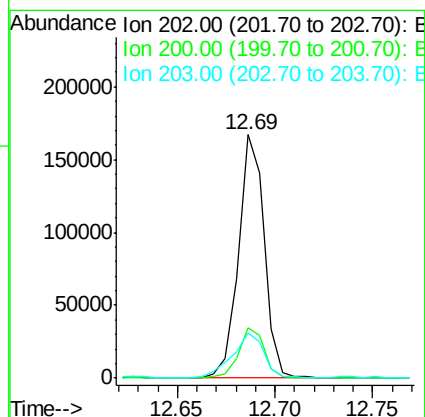
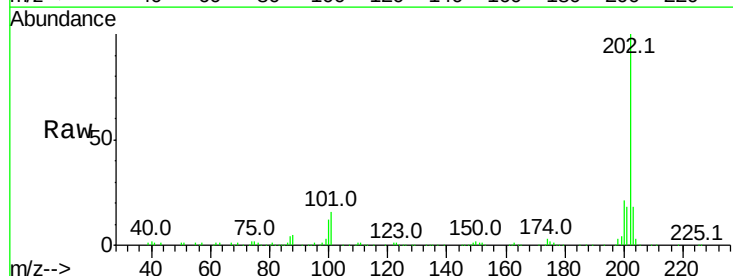
RT: 12.69 min Scan# 1802

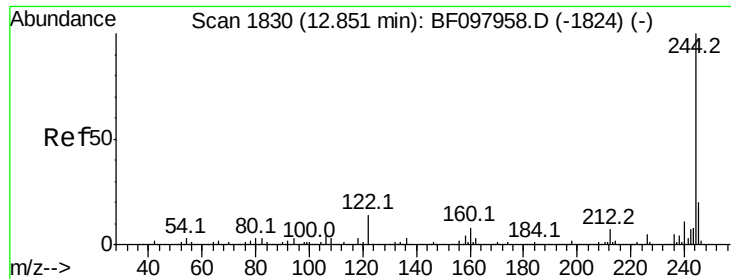
Delta R.T. -0.02 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

Tgt Ion:	202	Resp:	153452
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.6	26.4
203	18.5	14.4	21.6





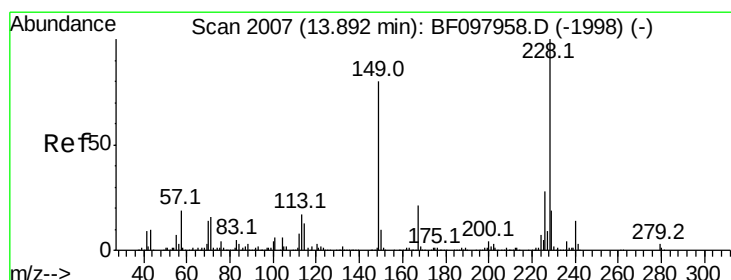
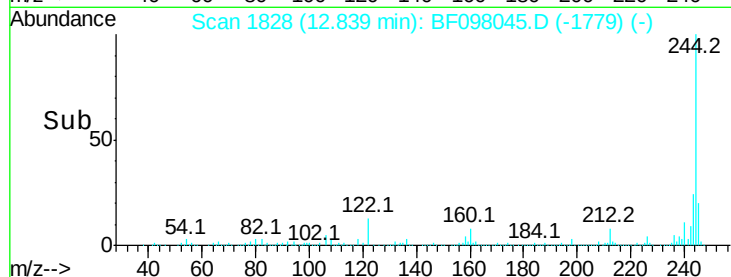
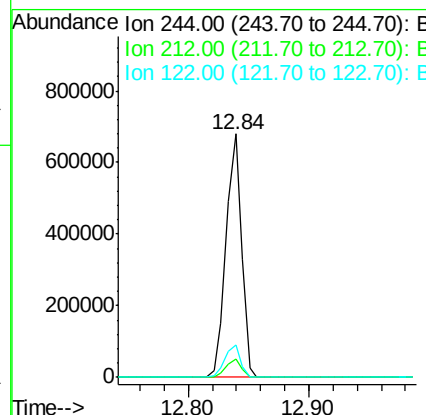
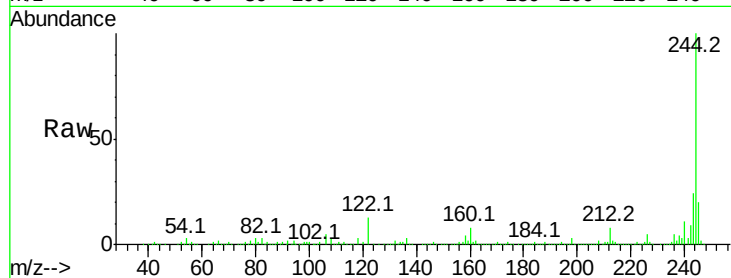
#78
 Terphenyl-d14
 Concen: 50.991 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	13.1	10.3	15.5

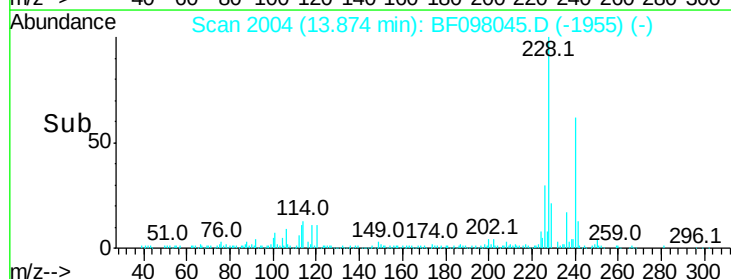
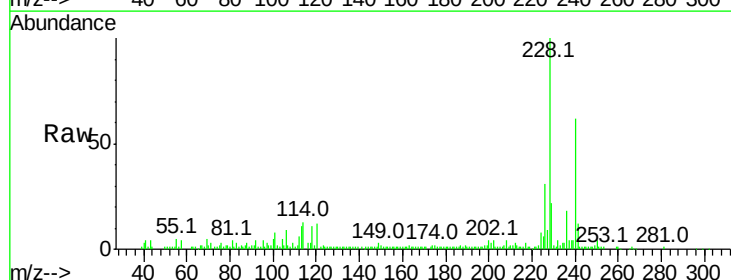
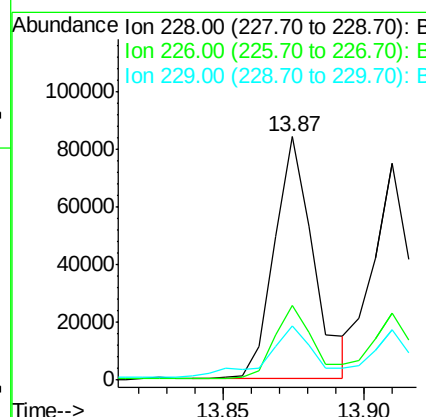
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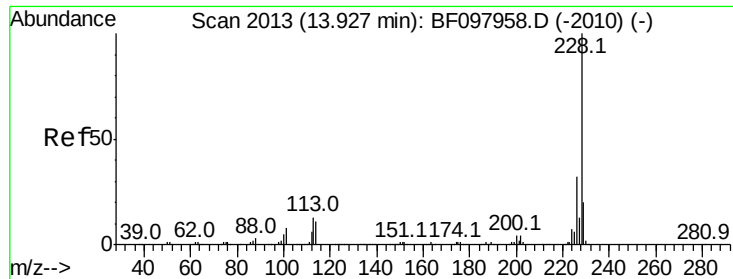
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#80
 Benzo(a)anthracene
 Concen: 5.427 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	22.0	16.3	24.5





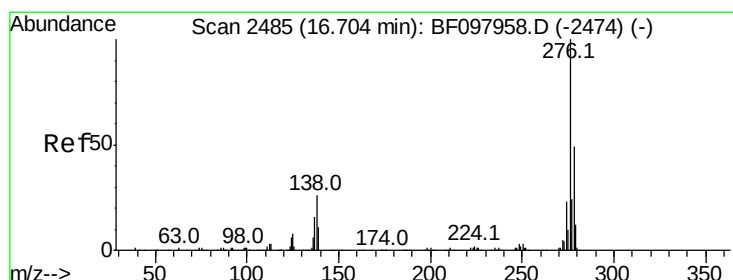
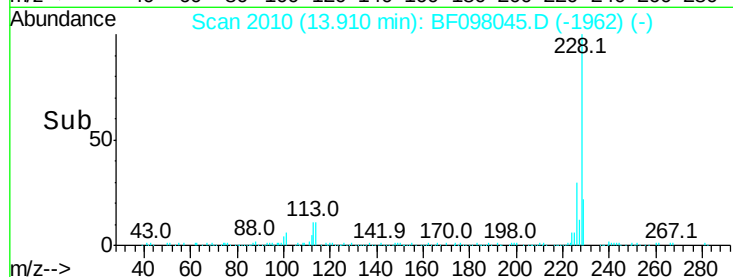
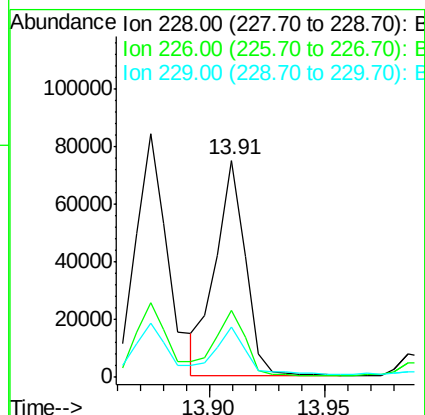
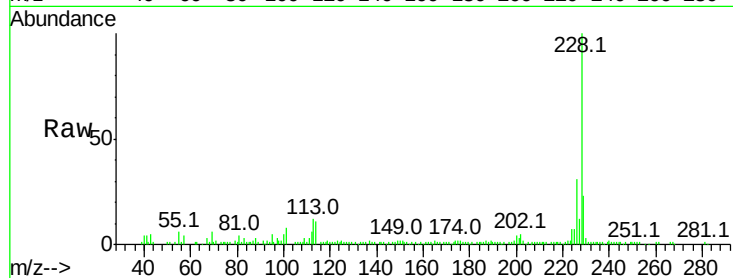
#82
Chrysene
Concen: 4.520 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-010-B

Tot Ion:	228	Resp:	66737
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.9	37.3
229	23.0	15.8	23.6

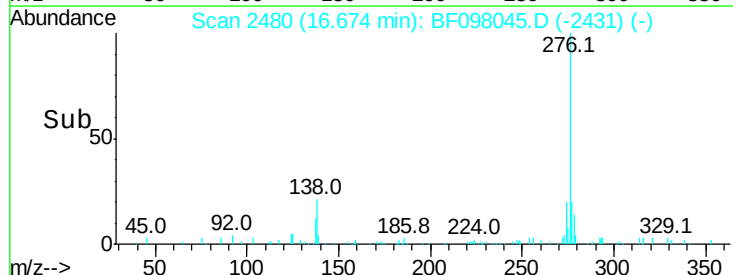
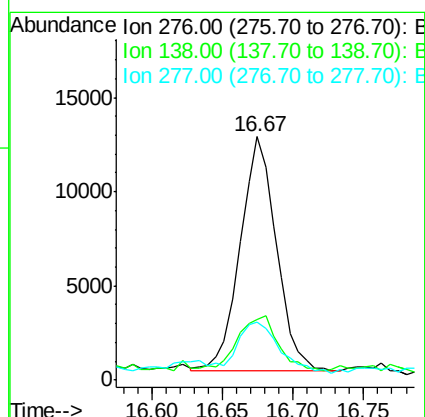
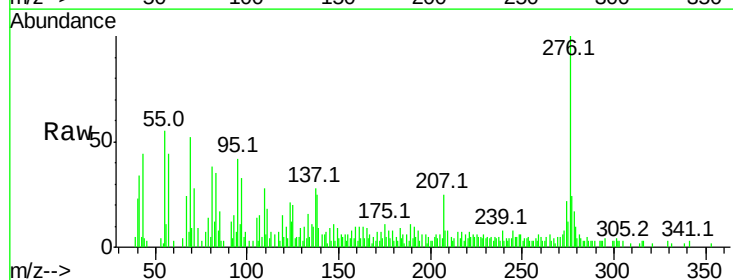
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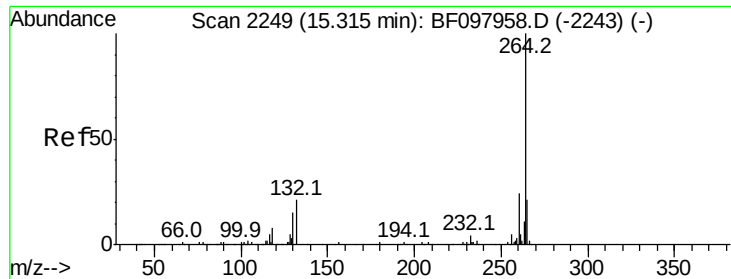
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.075 ng
RT: 16.67 min Scan# 2480
Delta R.T. -0.01 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Tgt Ion:	276	Resp:	22538
Ion Ratio	Lower	Upper	
276	100		
138	27.0	27.8	41.6#
277	24.6	20.2	30.4





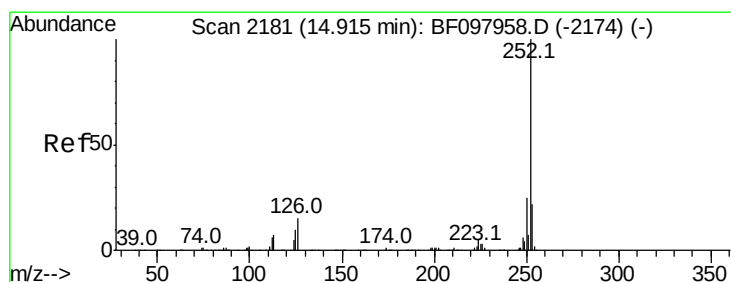
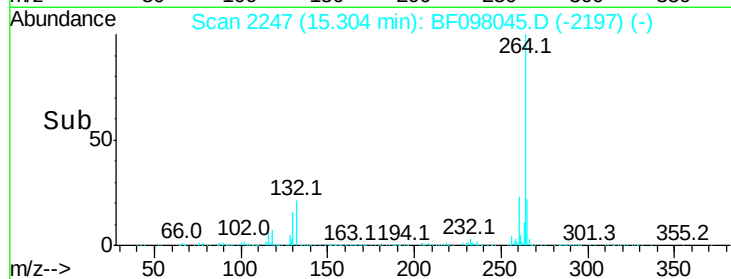
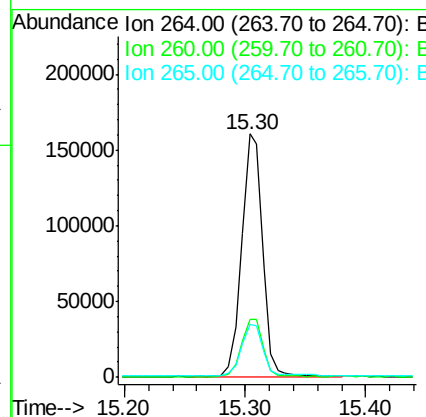
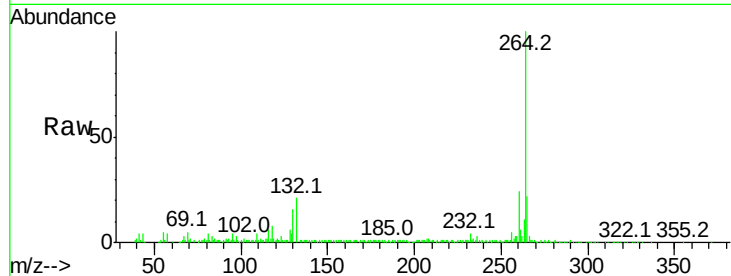
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-010-B

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.7	19.5	29.3	
265	21.8	17.2	25.8	

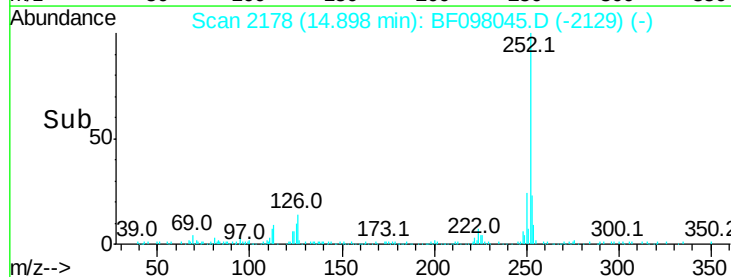
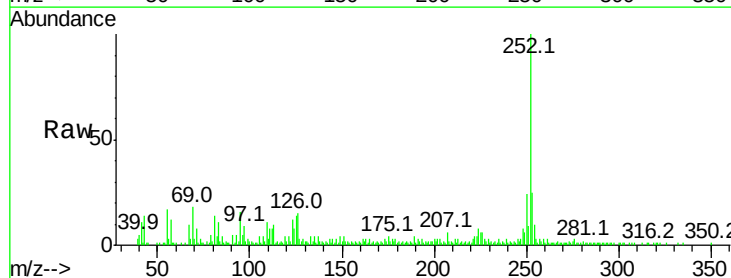
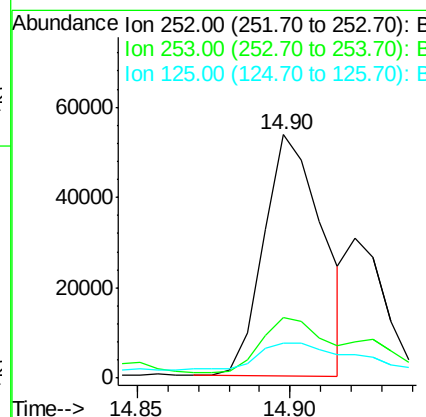
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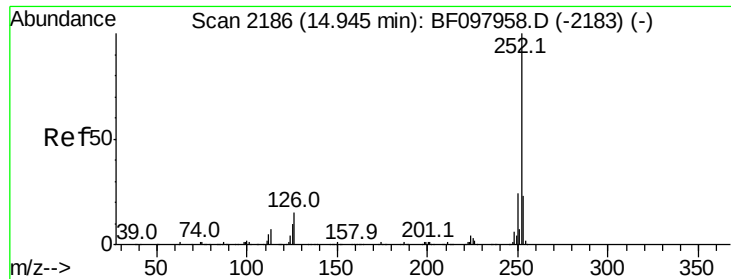
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#87
Benzo(b)fluoranthene
Concen: 5.886 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.9	18.1	27.1	
125	14.1	9.8	14.8	





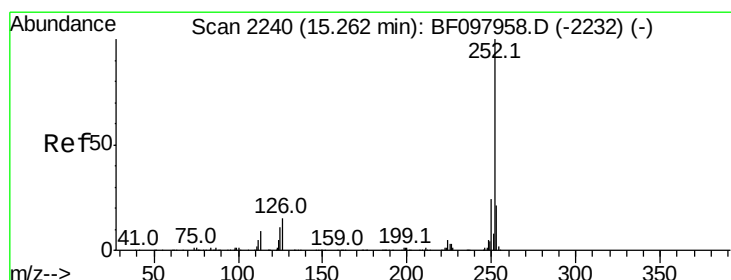
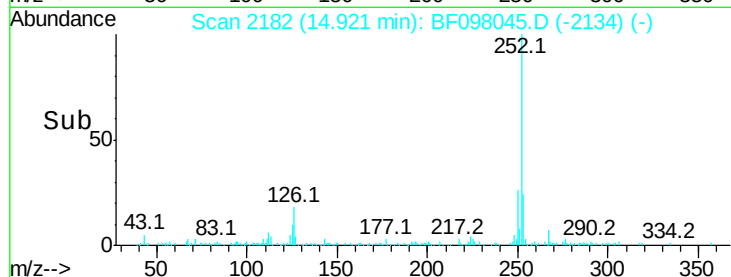
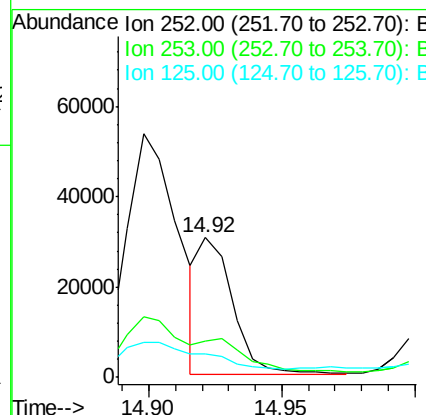
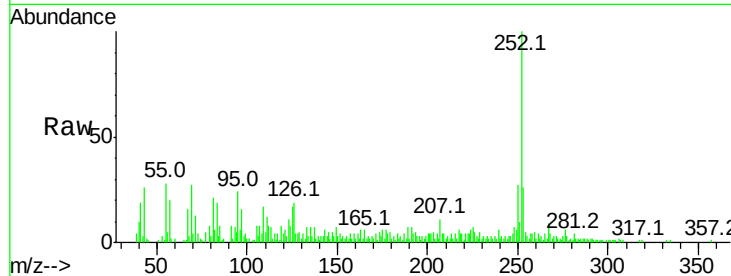
#88
Benzo(k)fluoranthene
Concen: 2.378 ng/mL
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Instrument :
BNA_F
ClientSampled :
FK-GF-02-010-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.4	27.6
125	16.7	13.1	19.7

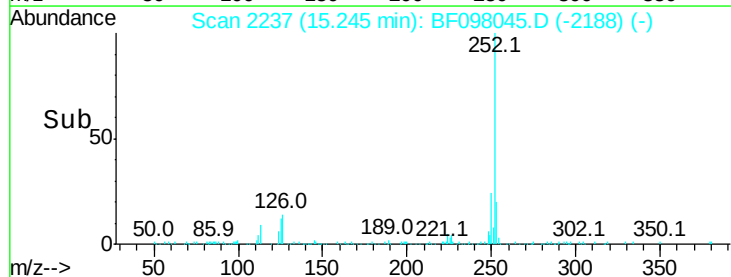
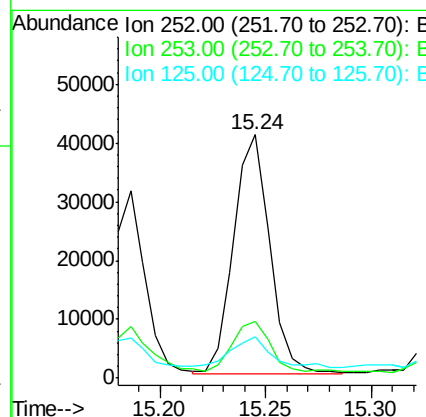
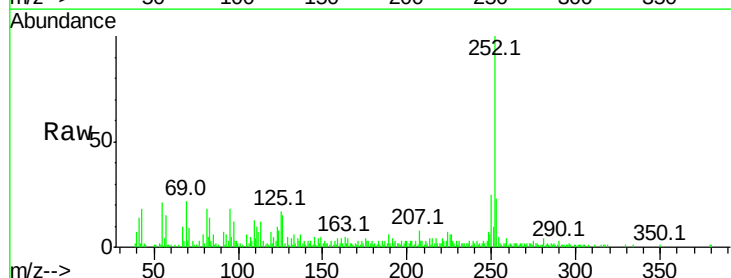
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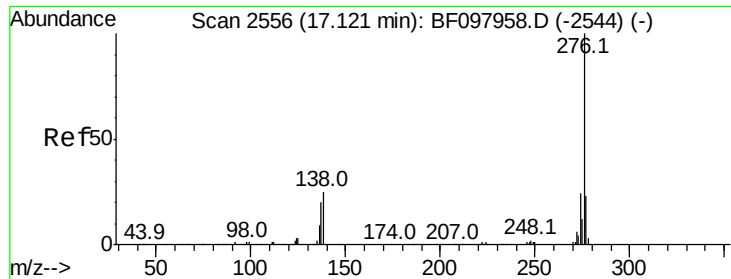
Sohil
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#89
Benzo(a)pyrene
Concen: 4.494 ng/mL
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	16.8	11.0	16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.542 ng
 RT: 17.09 min Scan# 2550
 Delta R.T. -0.02 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-B

Tot Ion:	276	Resp:	23233
Ion Ratio	Lower	Upper	
276	100		
277	27.8	18.6	28.0
138	33.4	25.4	38.0

Manual Integrations
 APPROVED

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