

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096363.D
 Acq On : 1 Jul 2017 3:48
 Operator : SJ/MA
 Sample : I3930-12
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3-8.5-11

Manual Integrations
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mohammad
 7/3/2017 11:38:04 AM

Quant Time: Jul 01 06:35:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	147899	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	562784	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	205700	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	328296	20.00	ng	-0.01
75) Chrysene-d12	13.90	240	277245	20.00	ng	-0.01
86) Perylene-d12	15.33	264	193073	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	879640	85.69	ng	0.00
7) Phenol-d6	6.39	99	1052419	84.66	ng	0.00
23) Nitrobenzene-d5	7.32	82	575060	70.74	ng	-0.04
41) 2,4,6-Tribromophenol	10.58	330	184992	114.27	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	801457	71.35	ng	-0.03
78) Terphenyl-d14	12.86	244	620808	55.87	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.06	128	59385	2.19	ng	99
37) 2-Methylnaphthalene	8.75	142	41991	2.38	ng	97
49) Dimethylphthalate	9.51	163	159869	10.86	ng	99
74) Fluoranthene	12.48	202	106791	5.86	ng	96
77) Pyrene	12.71	202	105774	4.64	ng	97
80) Benzo(a)anthracene	13.89	228	47544	2.81	ng	# 90
82) Chrysene	13.93	228	47948	2.74	ng	# 95
87) Benzo(b)fluoranthene	14.92	252	44714m	3.53	ng	
89) Benzo(a)pyrene	15.26	252	26625	2.38	ng	# 72
91) Benzo(g,h,i)perylene	17.12	276	19925	2.19	ng	# 91

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

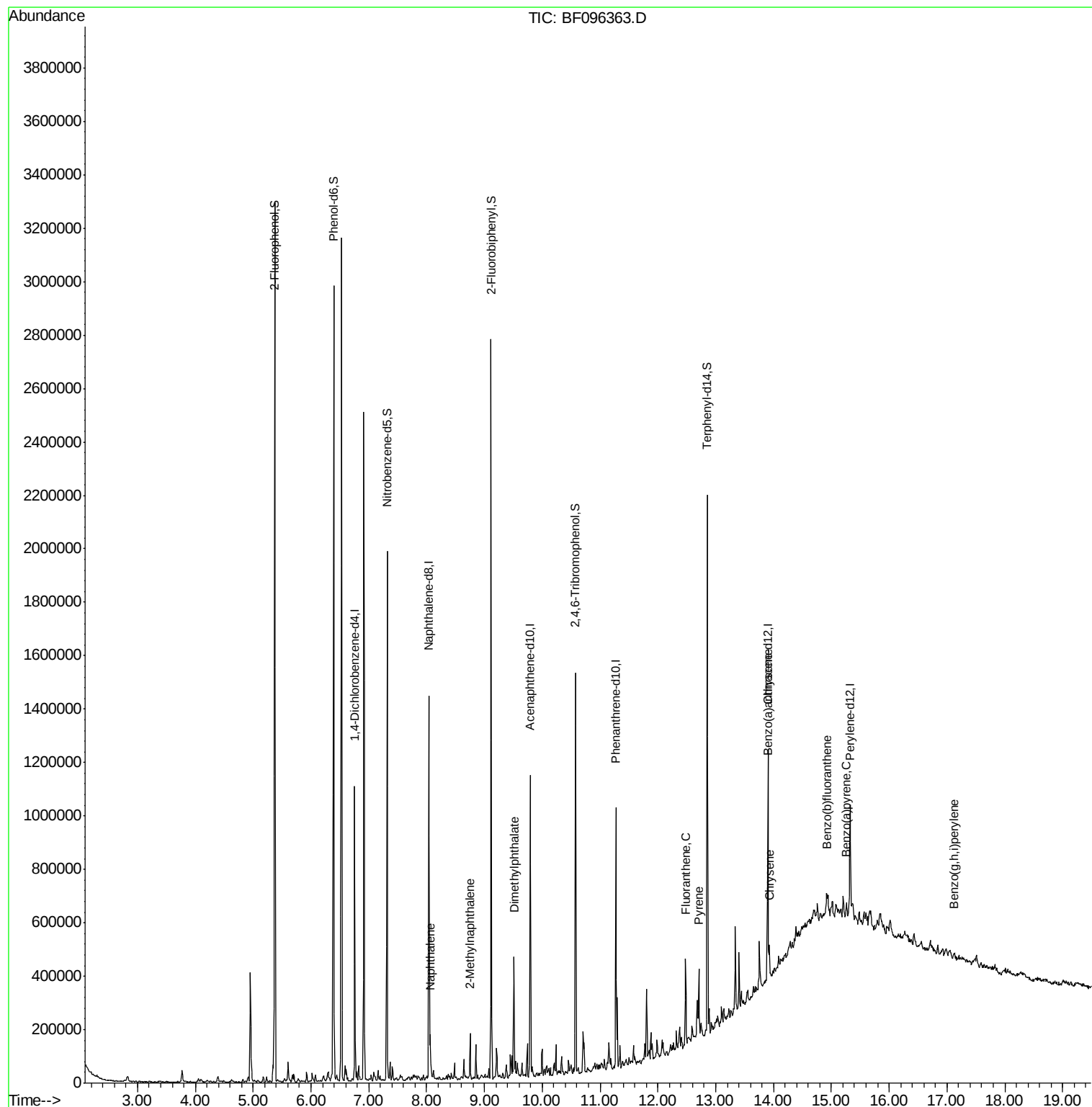
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
Data File : BF096363.D
Acq On : 1 Jul 2017 3:48
Operator : SJ/MA
Sample : I3930-12
Misc :
ALS Vial : 40 Sample Multiplier: 1

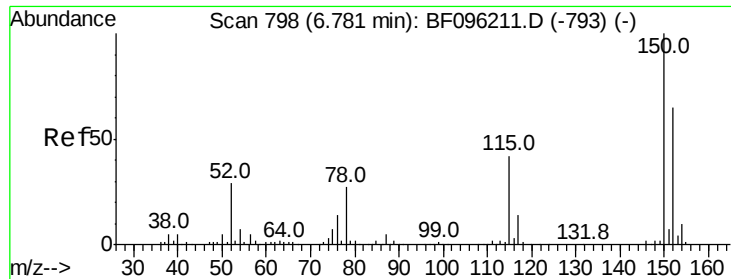
Instrument :
BNA_F
ClientSampleId :
B3-8.5-11

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#1

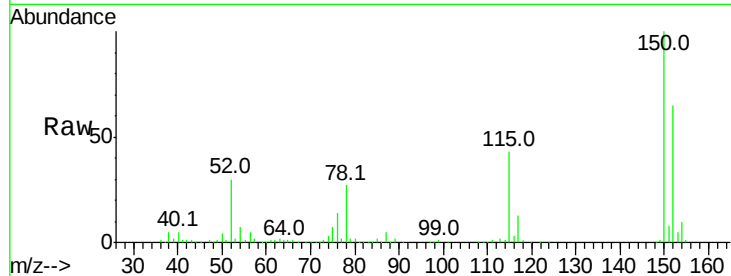
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF096363.D
Acq: 1 Jul 2017 3:48

Instrument :
BNA_F
ClientSampleId :
B3-8.5-11

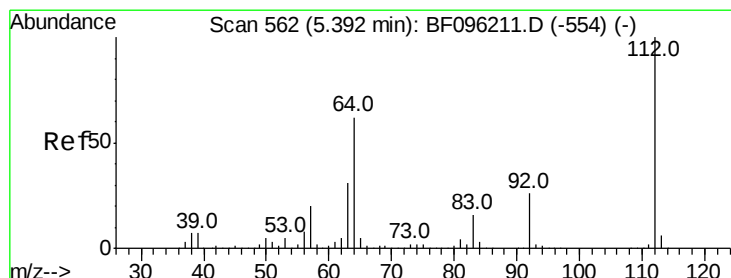
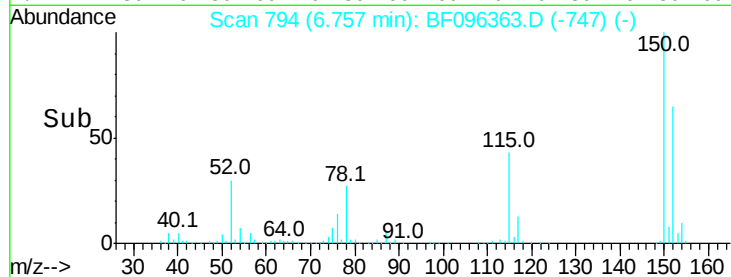
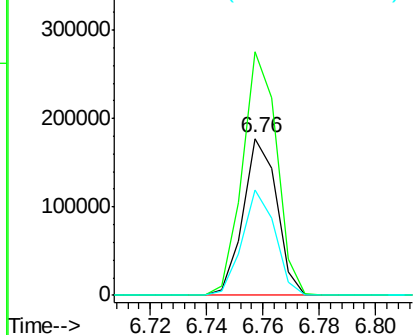
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.2
115	66.9	52.2	78.2

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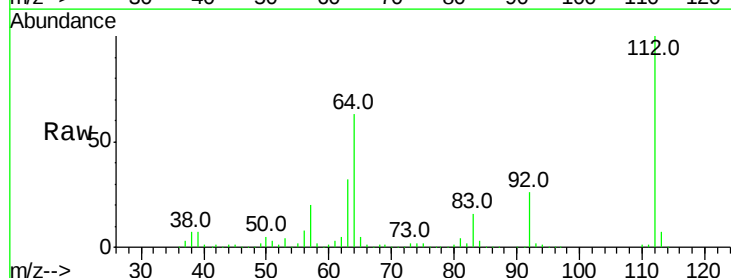
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



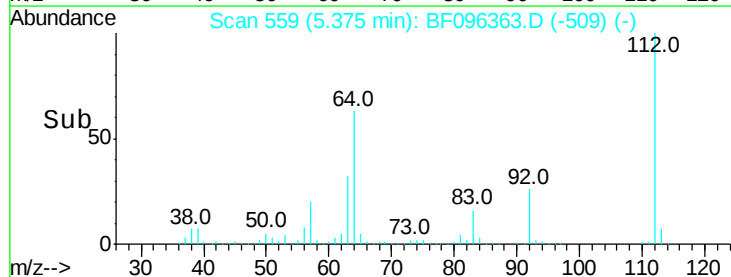
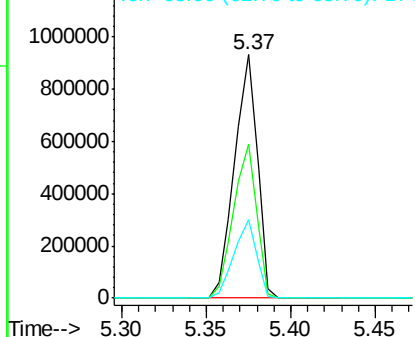
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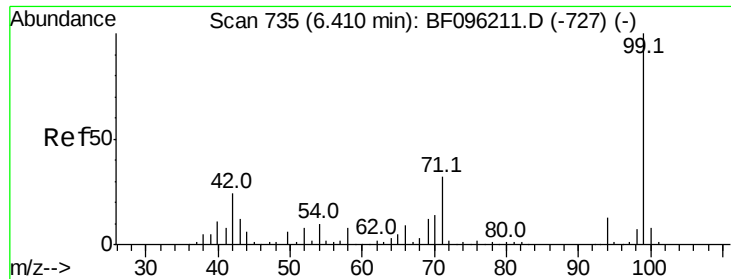
2-Fluorophenol
Concen: 85.69 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096363.D
Acq: 1 Jul 2017 3:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	46.0	69.0
63	32.0	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: 84.66 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096363.D

Acq: 1 Jul 2017 3:48

Instrument :

BNA_F

ClientSampled :

B3-8.5-11

Tot Ion: 99 Resp: 1052419

Ion Ratio Lower Upper

99 100

42 22.2 13.5 20.3#

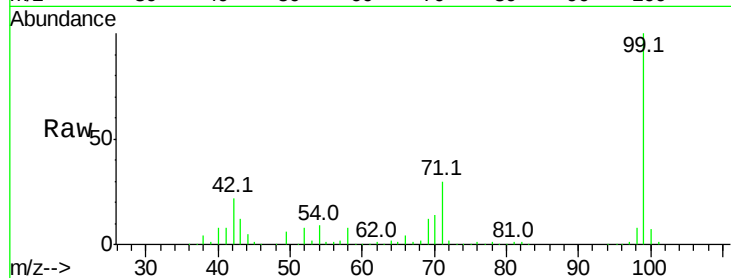
71 30.4 24.5 36.7

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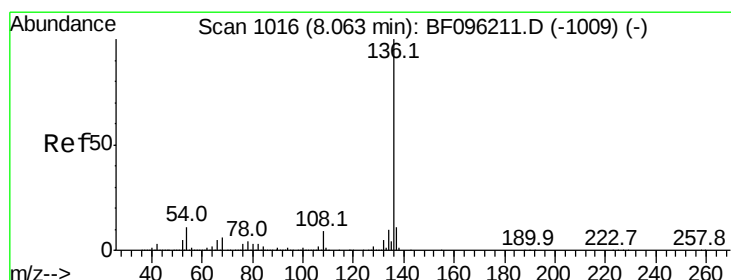
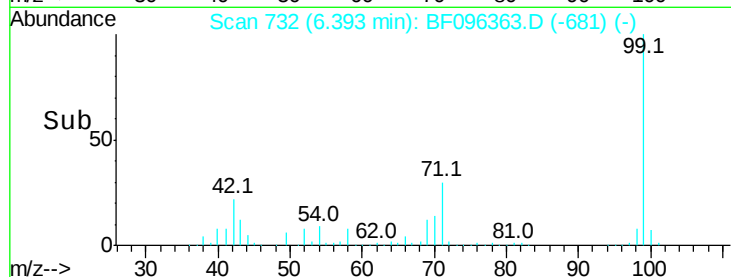
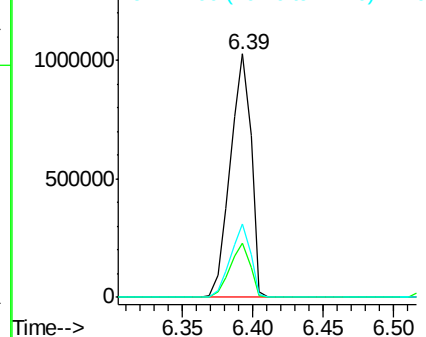
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BF096363.D

Acq: 1 Jul 2017 3:48

Tgt Ion: 136 Resp: 562784

Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.7 4.9 7.3#

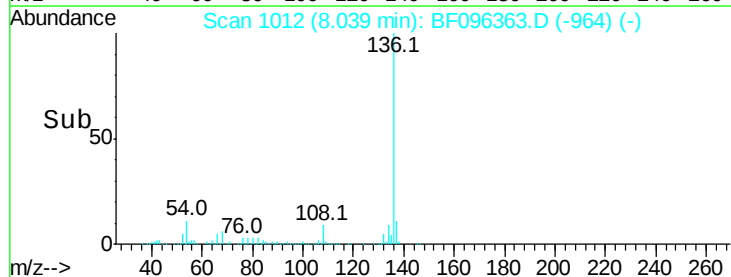
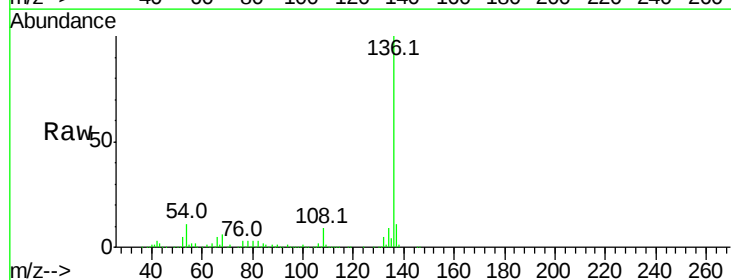
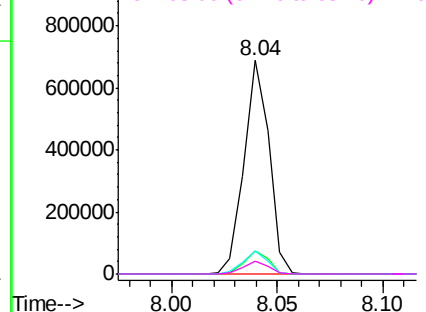
68 6.3 4.1 6.1#

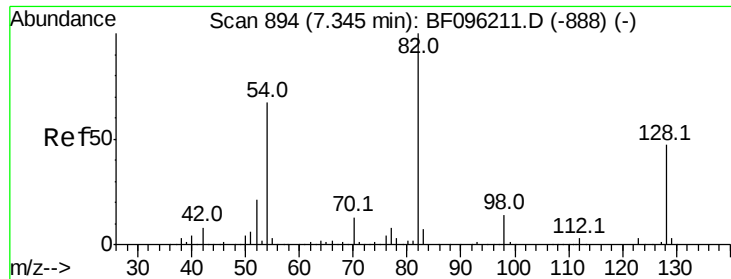
Abundance Ion 136.00 (135.70 to 136.70): E

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





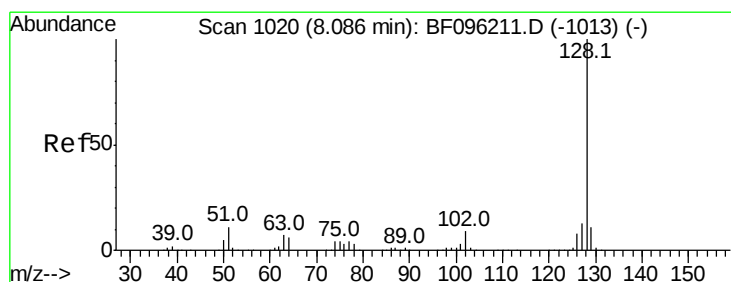
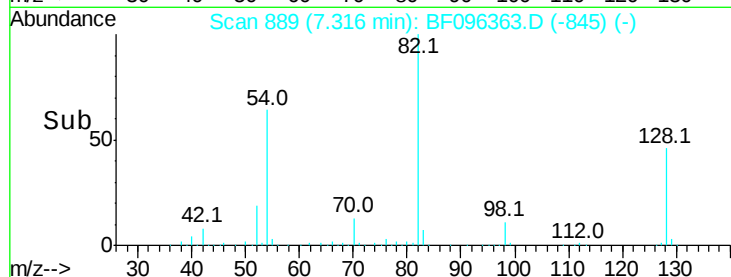
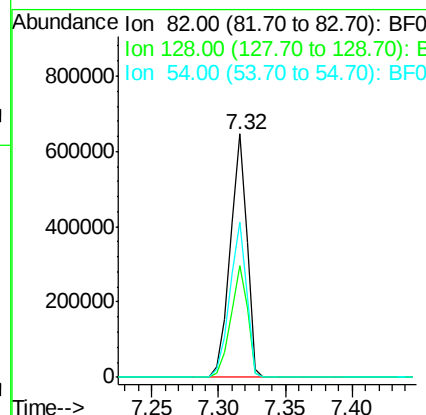
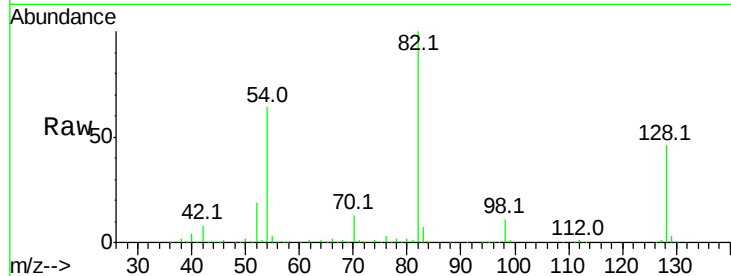
#23
 Nitrobenzene-d5
 Concen: 70.74 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.04 min
 Lab File: BF096363.D
 Acq: 1 Jul 2017 3:48

Instrument :
 BNA_F
 ClientSampleId :
 B3-8.5-11

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.1	34.0	51.0	
54	63.8	42.2	63.2	

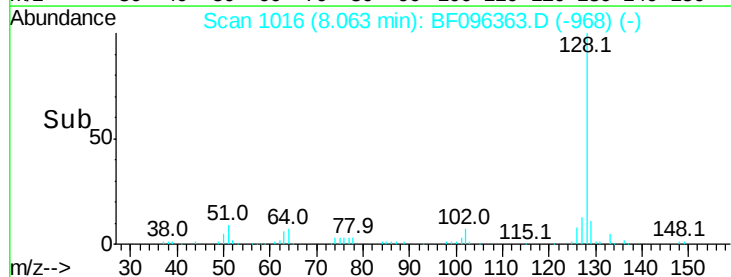
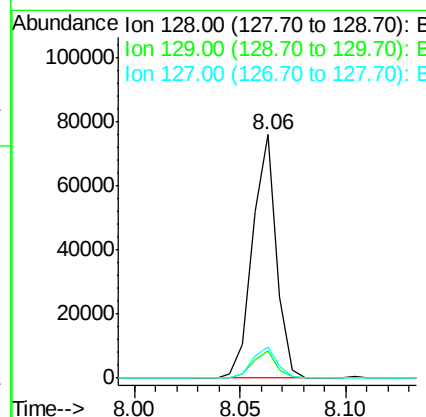
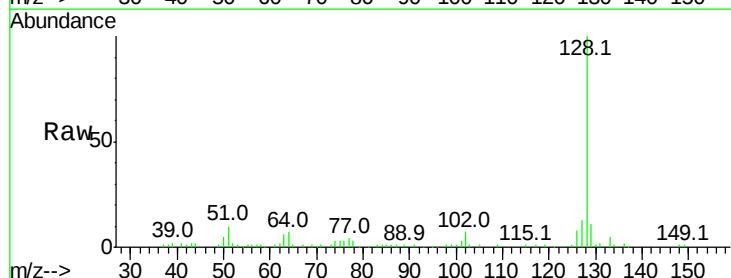
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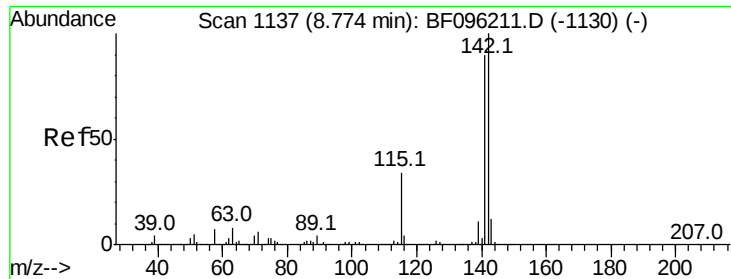
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#31
 Naphthalene
 Concen: 2.19 ng
 RT: 8.06 min Scan# 1016
 Delta R.T. -0.02 min
 Lab File: BF096363.D
 Acq: 1 Jul 2017 3:48

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.1	9.0	13.6	
127	12.9	10.8	16.2	





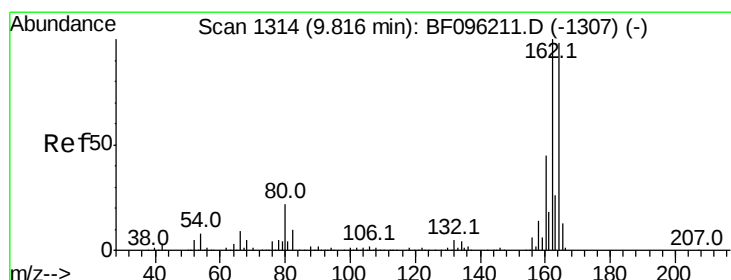
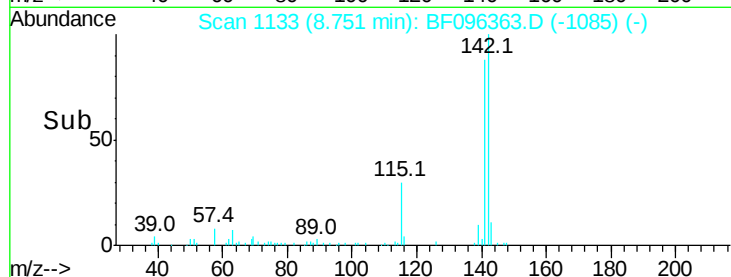
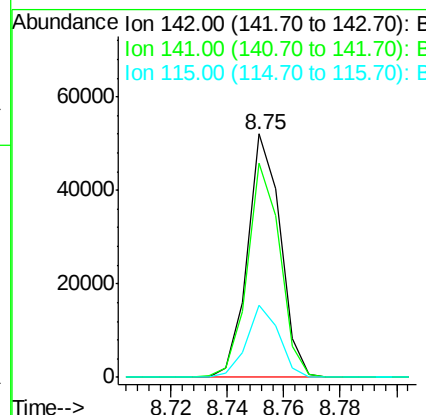
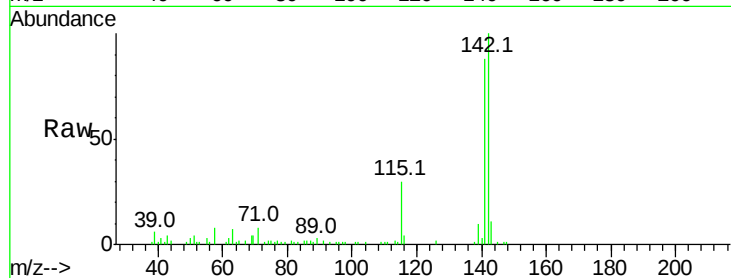
#37
2-Methylnaphthalene
Concen: 2.38 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.02 min
Lab File: BF096363.D
Acq: 1 Jul 2017 3:48

Instrument :
BNA_F
ClientSampleId :
B3-8.5-11

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.3	106.9
115	29.7	27.1	40.7

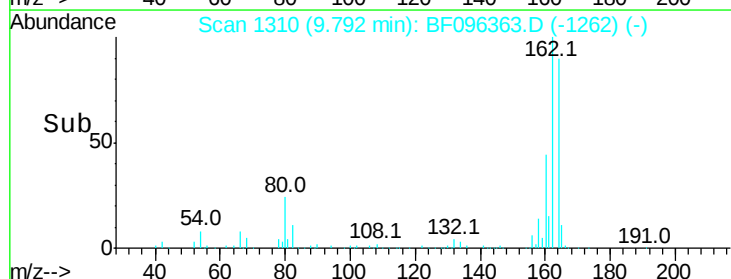
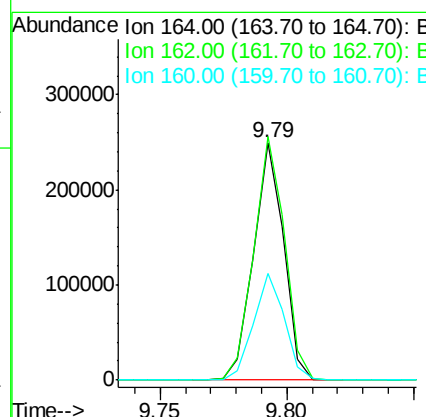
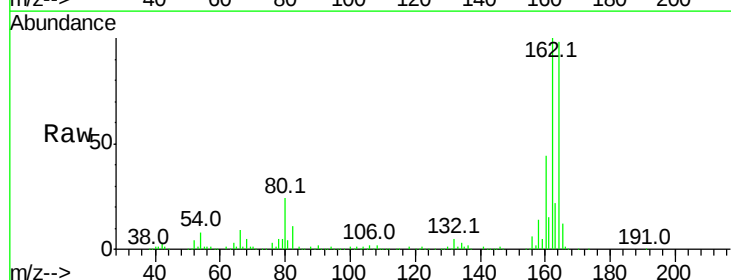
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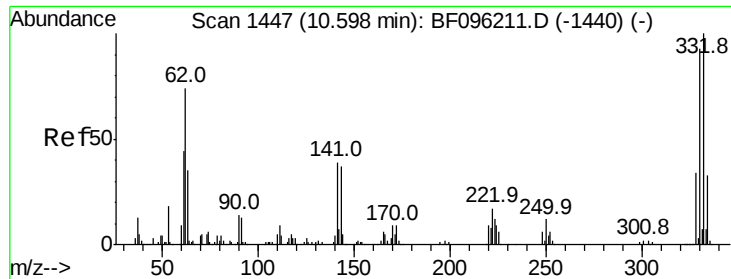
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF096363.D
Acq: 1 Jul 2017 3:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	44.7	36.2	54.2





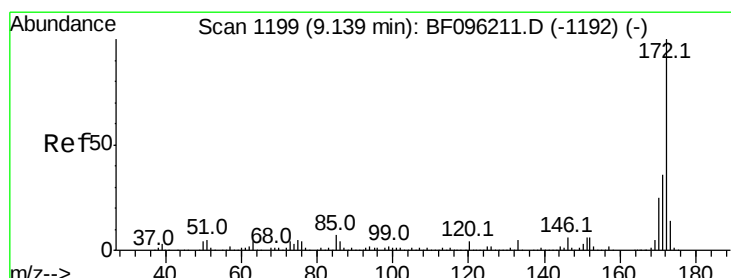
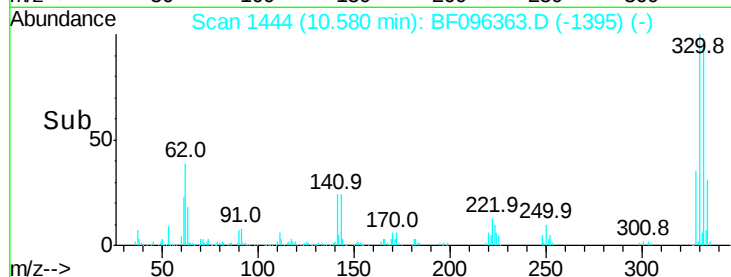
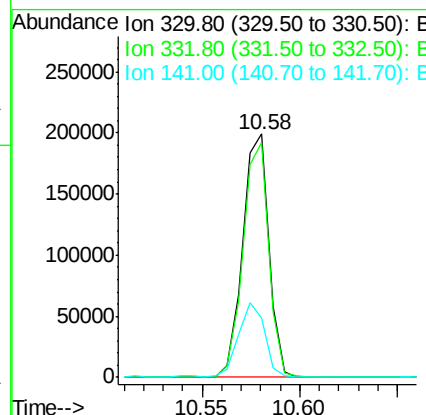
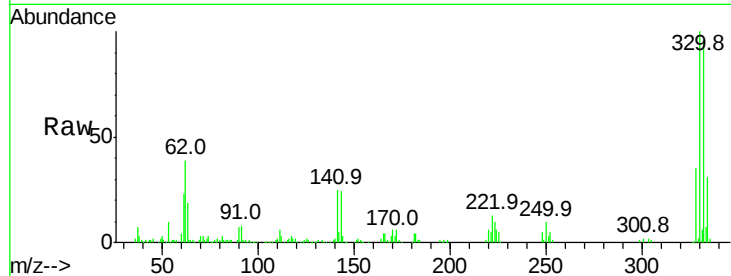
#41
 2,4,6-Tribromophenol
 Concen: 114.27 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: BF096363.D
 Acq: 1 Jul 2017 3:48

Instrument :
 BNA_F
 ClientSampled :
 B3-8.5-11

Tot Ion	Ratio	Resp	Lower	Upper
330	100	184992		
332	95.0	76.6	115.0	
141	30.4	31.4	47.2#	

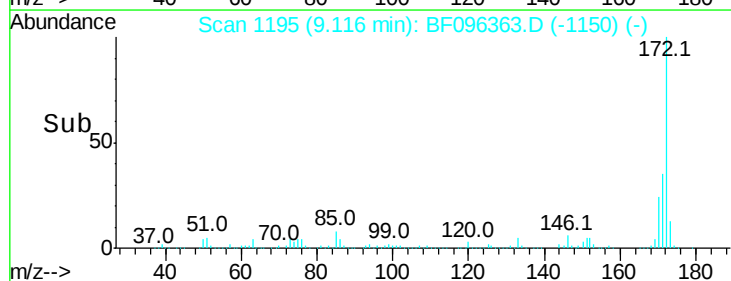
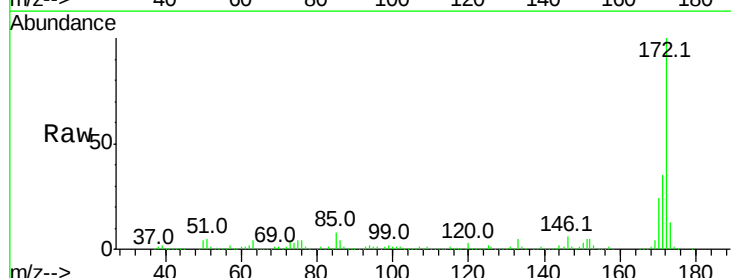
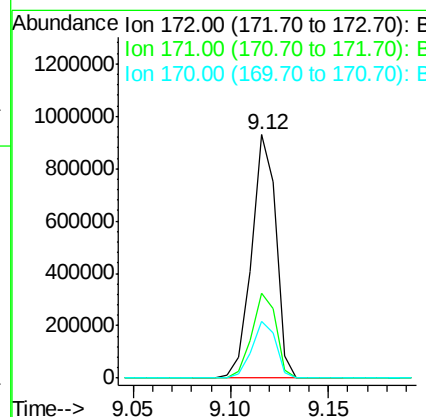
Manual Integrations
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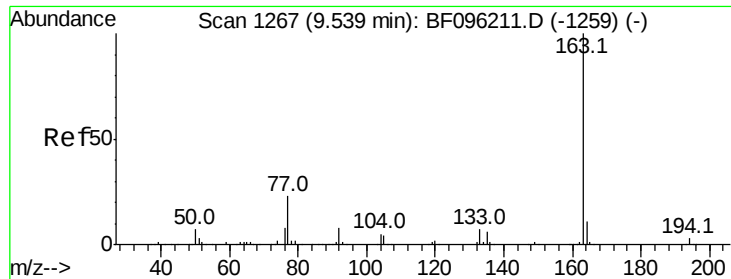
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#44
 2-Fluorobiphenyl
 Concen: 71.35 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.03 min
 Lab File: BF096363.D
 Acq: 1 Jul 2017 3:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	801457		
171	34.9	29.6	44.4	
170	23.5	19.8	29.8	





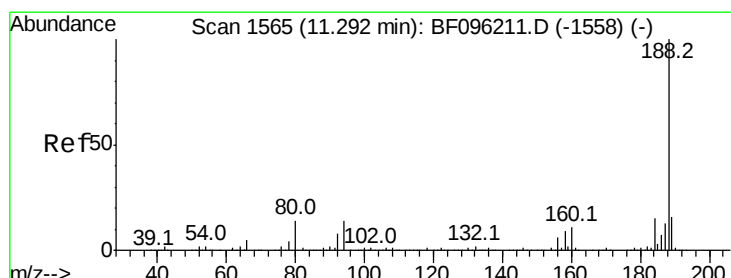
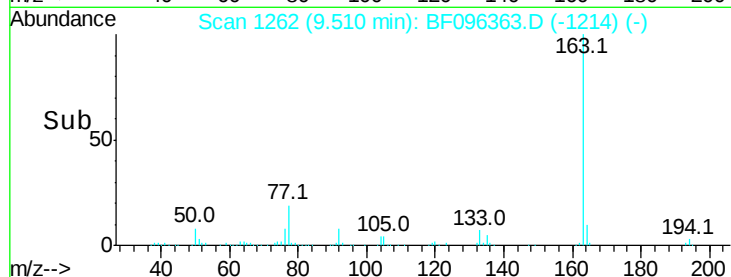
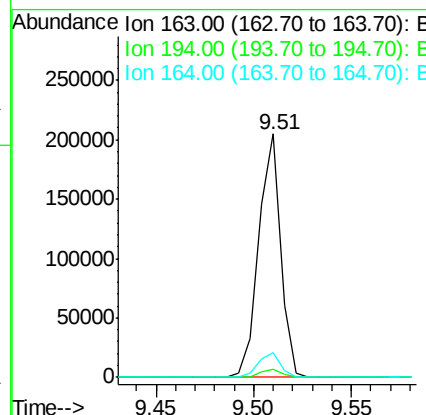
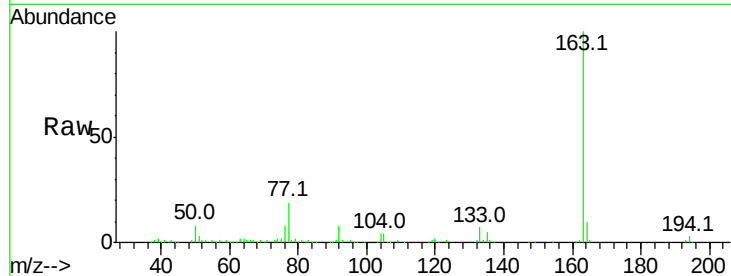
#49
Dimethylphthalate
Concen: 10.86 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF096363.D
Acq: 1 Jul 2017 3:48

Instrument :
BNA_F
ClientSampleId :
B3-8.5-11

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.9	8.4	12.6

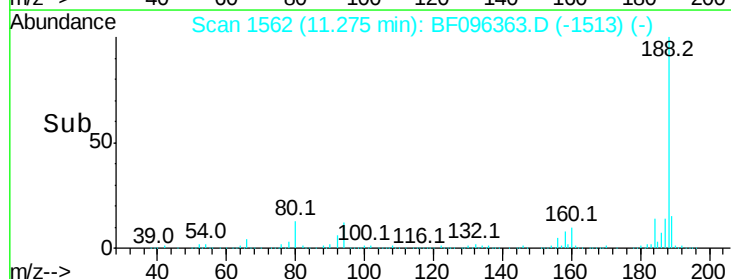
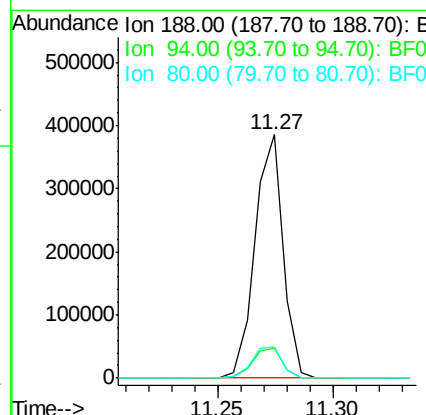
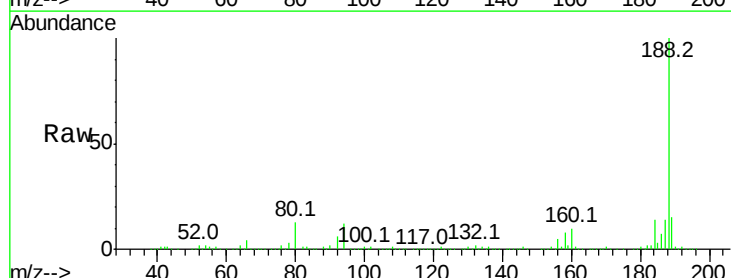
Manual Integrations
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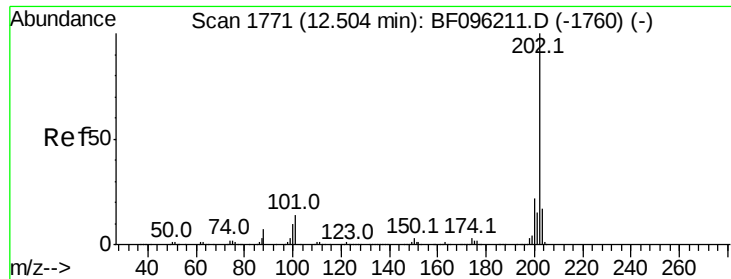
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF096363.D
Acq: 1 Jul 2017 3:48

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	12.2	9.4	14.2
80	12.6	10.2	15.2





#74

Fluoranthene

Concen: 5.86 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF096363.D

Acq: 1 Jul 2017 3:48

Instrument :

BNA_F

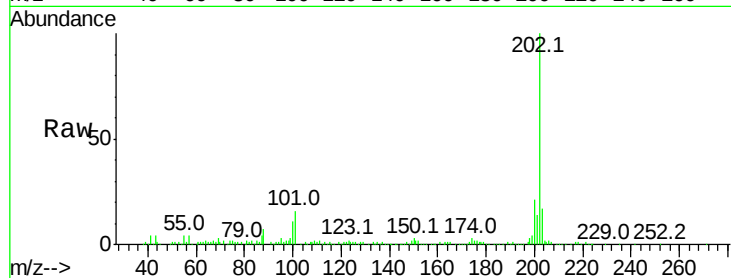
ClientSampleId :

B3-8.5-11

Tot Ion:	202	Resp:	106791
Ion Ratio	Lower	Upper	
202	100		
101	16.1	0.0	33.2
203	17.4	0.0	38.1

Manual Integrations
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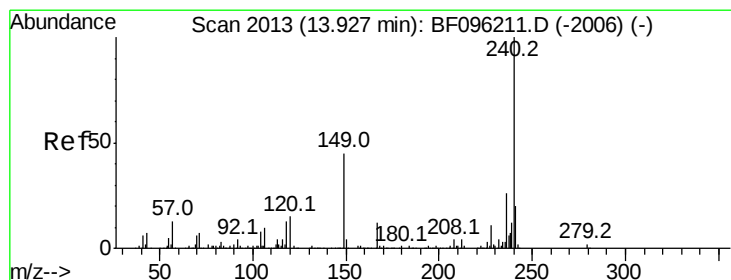
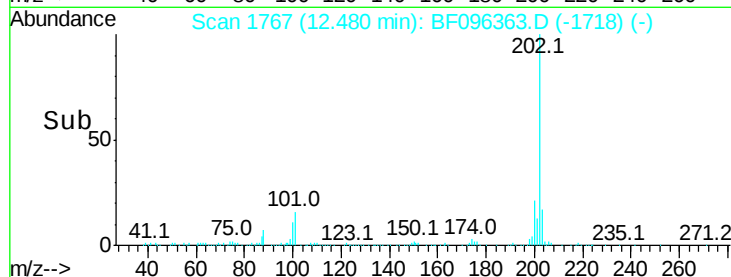
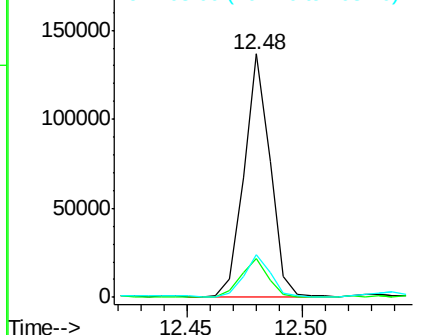
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Abundance Ion 202.00 (201.70 to 202.70): E

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

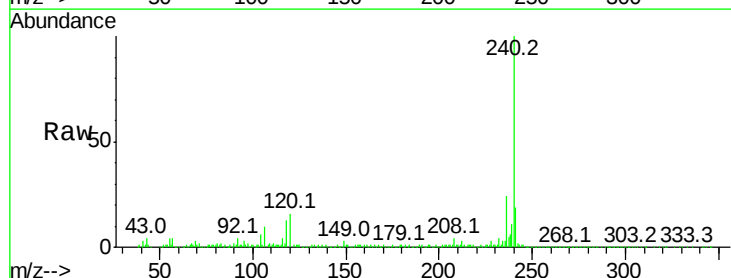
RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF096363.D

Acq: 1 Jul 2017 3:48

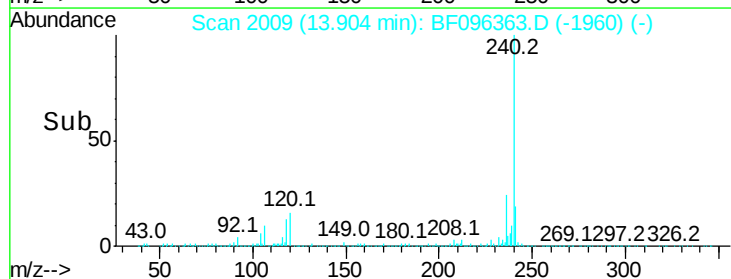
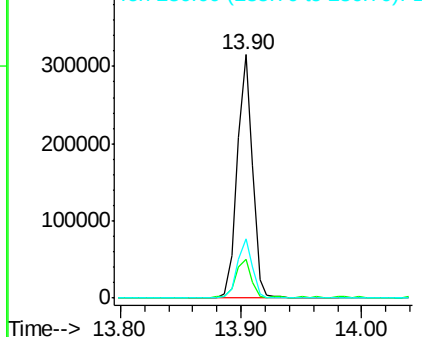
Tgt Ion:	240	Resp:	277245
Ion Ratio	Lower	Upper	
240	100		
120	15.9	5.8	8.8#
236	24.4	20.5	30.7

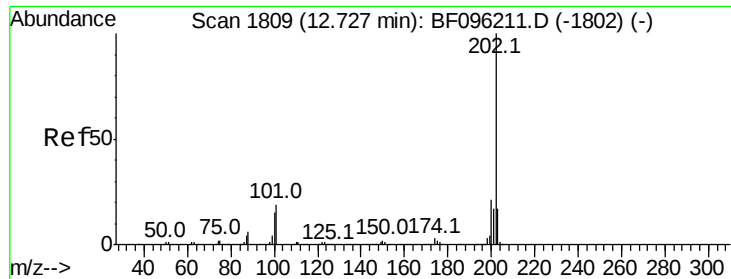


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.64 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF096363.D

Acq: 1 Jul 2017 3:48

Instrument :

BNA_F

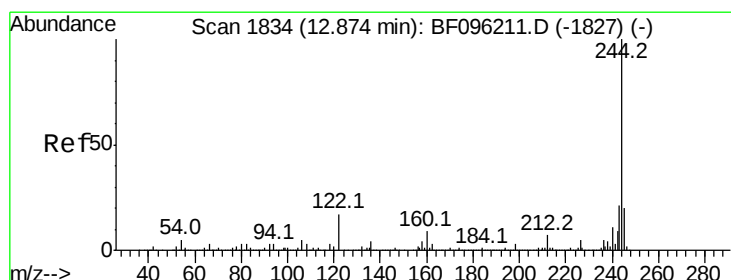
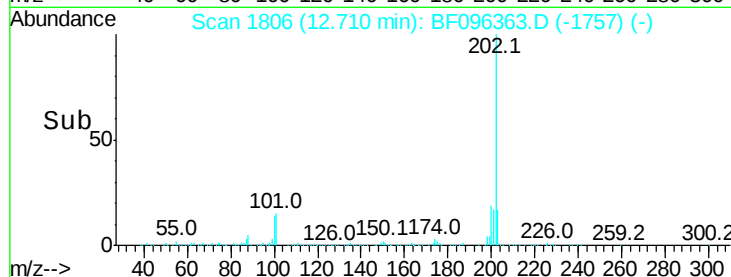
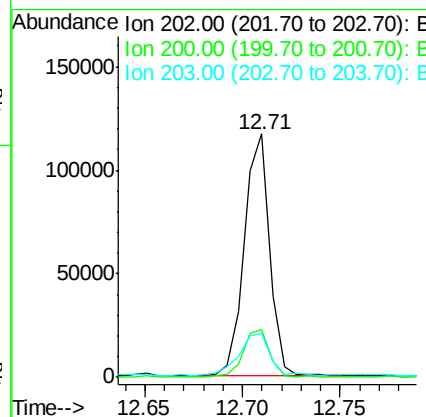
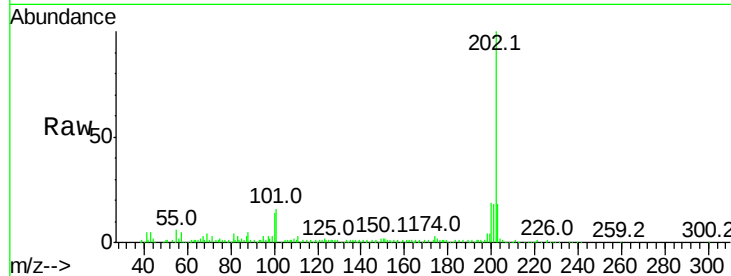
ClientSampleId :

B3-8.5-11

Tot Ion:	202	Resp:	105774
Ion Ratio	Lower	Upper	
202	100		
200	19.5	17.6	26.4
203	17.9	14.4	21.6

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#78

Terphenyl-d14

Concen: 55.87 ng

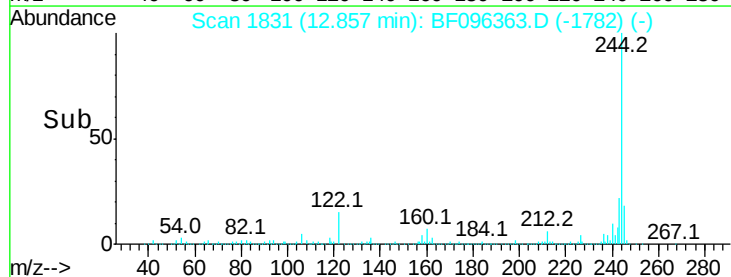
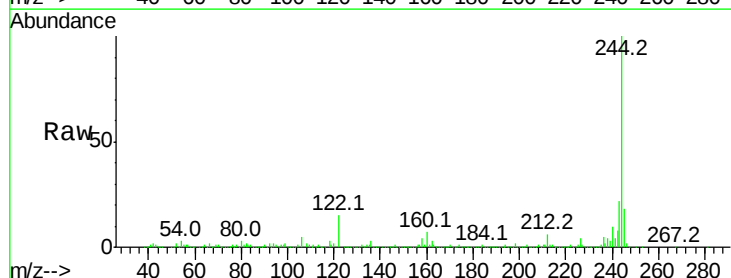
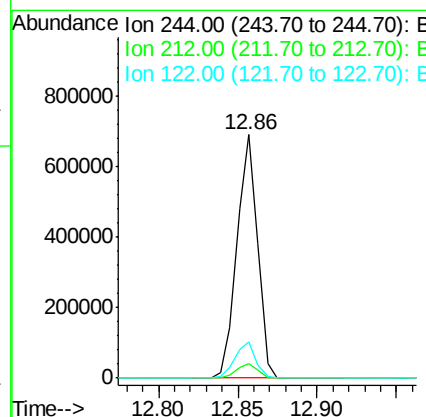
RT: 12.86 min Scan# 1831

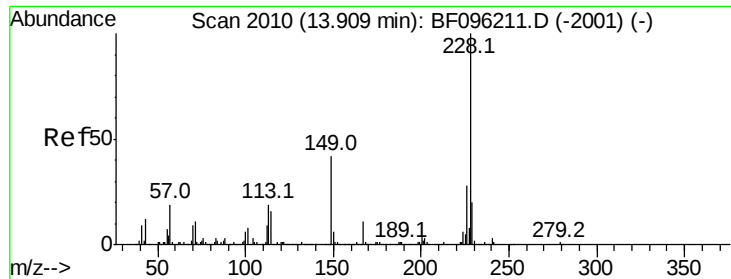
Delta R.T. -0.01 min

Lab File: BF096363.D

Acq: 1 Jul 2017 3:48

Tgt Ion:	244	Resp:	620808
Ion Ratio	Lower	Upper	
244	100		
212	6.2	6.0	9.0
122	14.7	10.3	15.5





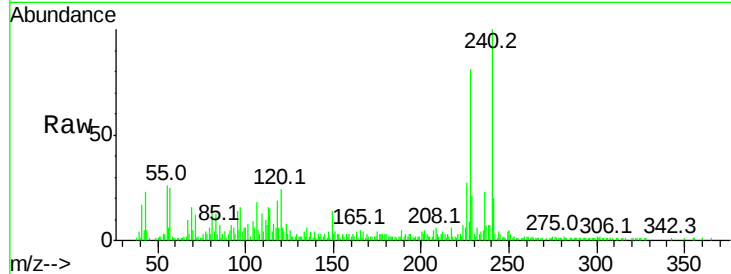
#80
Benzo(a)anthracene
Concen: 2.81 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF096363.D
Acq: 1 Jul 2017 3:48

Instrument :
BNA_F
ClientSampleId :
B3-8.5-11

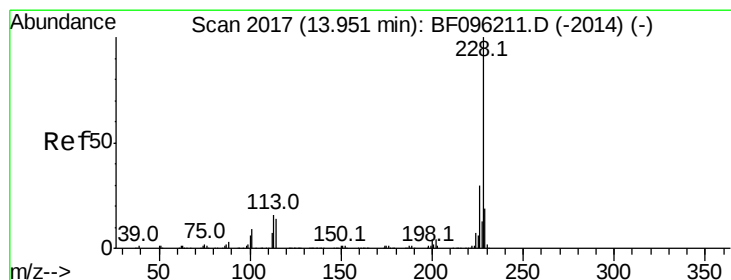
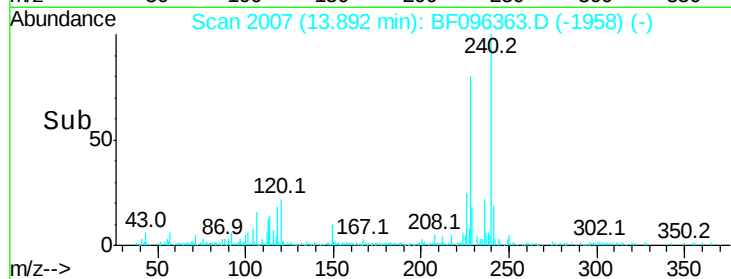
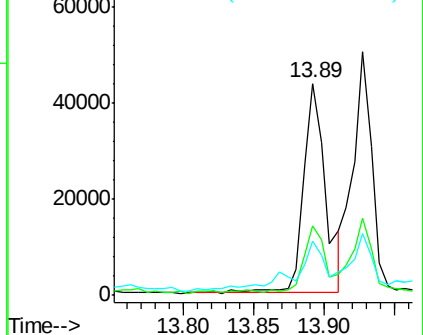
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.6	33.8
229	25.5	16.3	24.5

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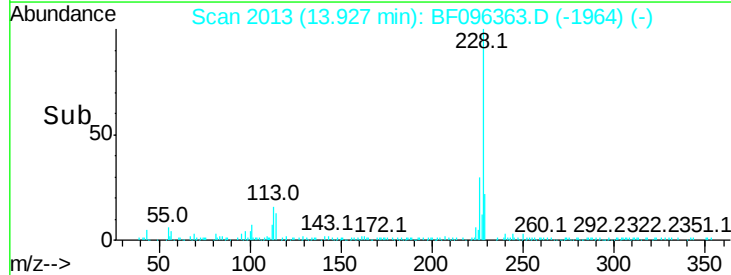
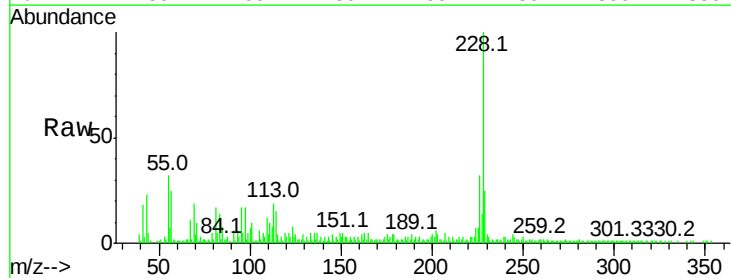
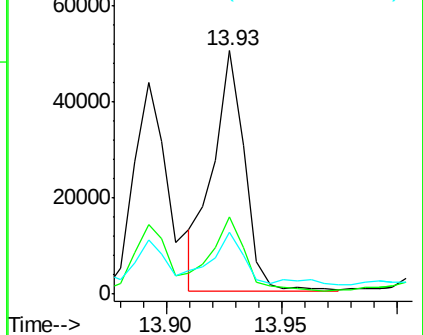
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

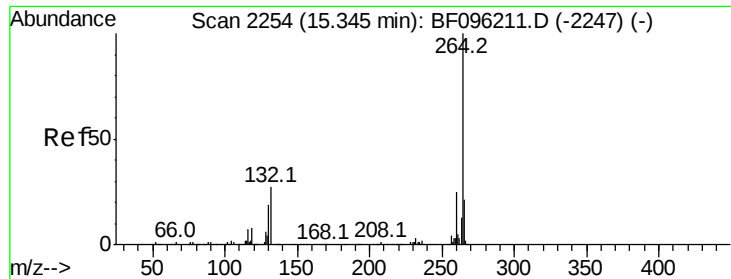


#82
Chrysene
Concen: 2.74 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF096363.D
Acq: 1 Jul 2017 3:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.9	37.3
229	25.4	15.8	23.6

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





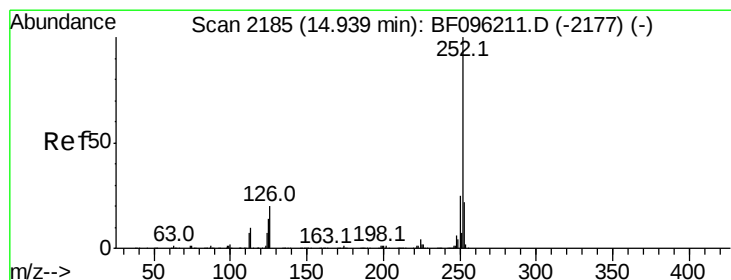
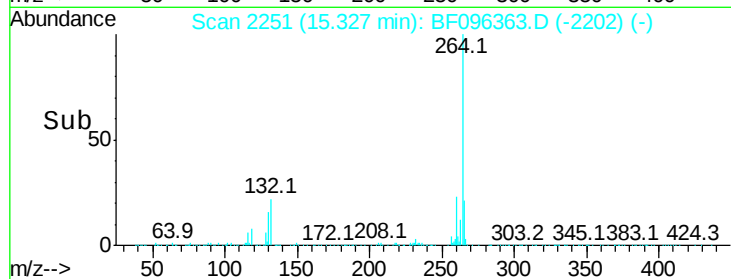
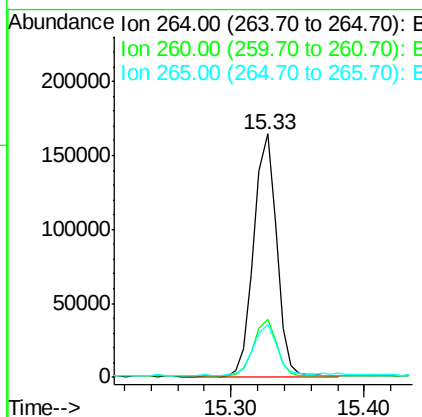
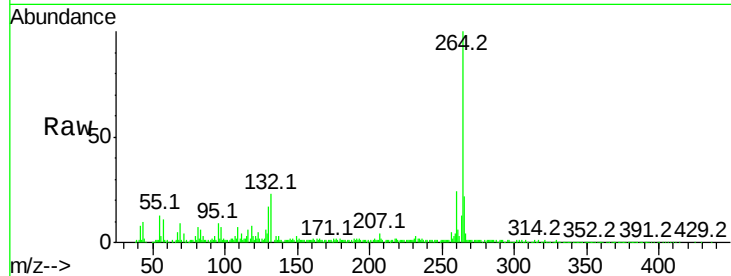
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: BF096363.D
 Acq: 1 Jul 2017 3:48

Instrument :
 BNA_F
 ClientSampleId :
 B3-8.5-11

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.8	17.2	25.8

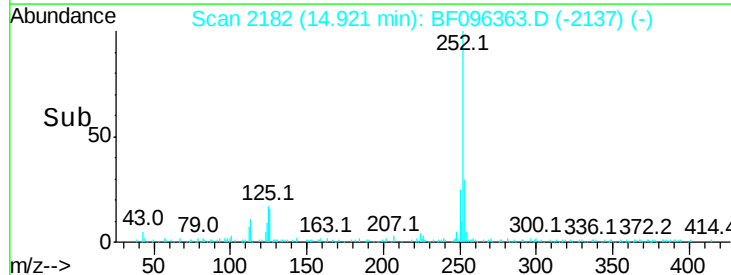
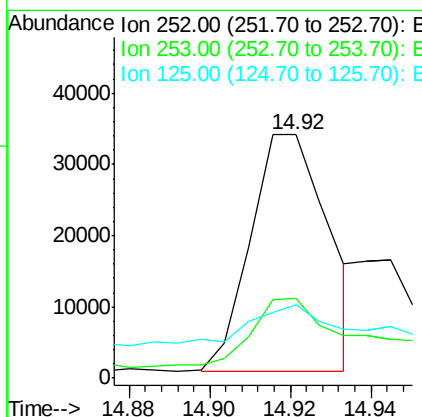
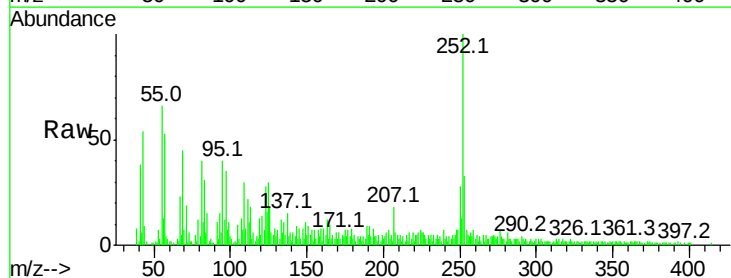
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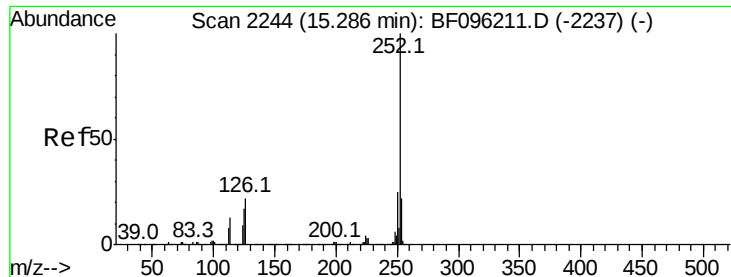
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#87
 Benzo(b)fluoranthene
 Concen: 3.53 ng m
 RT: 14.92 min Scan# 2182
 Delta R.T. -0.04 min
 Lab File: BF096363.D
 Acq: 1 Jul 2017 3:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.9	18.1	27.1#
125	30.0	9.8	14.8#





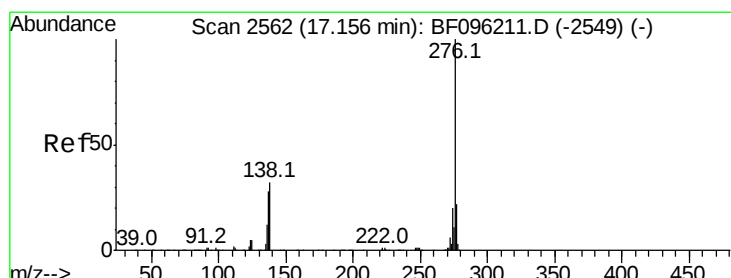
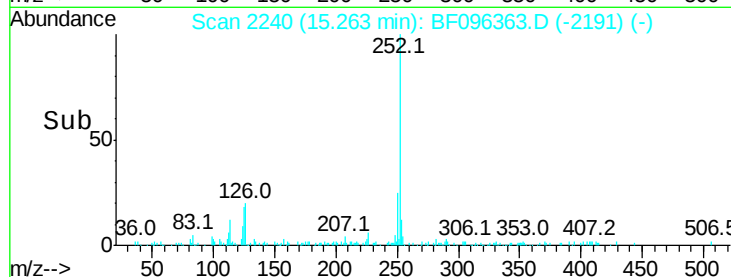
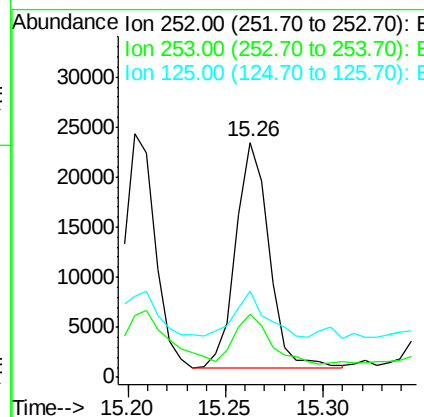
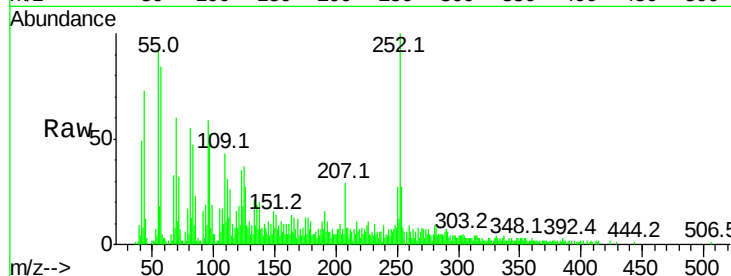
#89
Benzo(a)pyrene
Concen: 2.38 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF096363.D
Acq: 1 Jul 2017 3:48

Instrument :
BNA_F
ClientSampleId :
B3-8.5-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.5	26.3#
125	36.7	11.0	16.4#

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#91
Benzo(g,h,i)perylene
Concen: 2.19 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF096363.D
Acq: 1 Jul 2017 3:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.8	18.6	28.0#
138	35.9	25.4	38.0

