

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
 Data File : BF087875.D
 Acq On : 10 Jun 2016 15:29
 Operator : UM/SJ
 Sample : H3426-09 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-55

Manual Integrations
 APPROVED

SOHIL
 6/13/2016 7:10:59 PM

Quant Time: Jun 10 18:22:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	130487m	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	528863	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	231768	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	347198	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	266774	20.00	ng	-0.03
86) Perylene-d12	15.36	264	234345	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	431650	56.55	ng	-0.02
7) Phenol-d6	6.44	99	553110	59.79	ng	-0.03
23) Nitrobenzene-d5	7.37	82	267158	29.50	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	97357	39.78	ng	-0.05
44) 2-Fluorobiphenyl	9.18	172	585062	36.50	ng	-0.03
78) Terphenyl-d14	12.90	244	361153	30.81	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.12	128	52635	2.01	ng	98
49) Dimethylphthalate	9.56	163	43384	2.58	ng	100
51) Acenaphthene	9.87	154	44298	2.98	ng	99
70) Phenanthrene	11.35	178	509646	27.97	ng	100
71) Anthracene	11.39	178	148771	8.10	ng	98
72) Carbazole	11.55	167	56504	3.29	ng	98
74) Fluoranthene	12.54	202	638009	33.18	ng	95
77) Pyrene	12.77	202	562142	28.40	ng	98
80) Benzo(a)anthracene	13.94	228	337305	22.19	ng	98
82) Chrysene	13.98	228	208561	14.58	ng	97
85) Indeno(1,2,3-cd)pyrene	16.72	276	106153	7.99	ng	# 100
87) Benzo(b)fluoranthene	14.96	252	365847m	22.40	ng	
88) Benzo(k)fluoranthene	14.98	252	37391m	3.03	ng	
89) Benzo(a)pyrene	15.30	252	216132	16.36	ng	97
91) Benzo(a,h,i)perylene	17.12	276	99810	7.91	ng	99

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

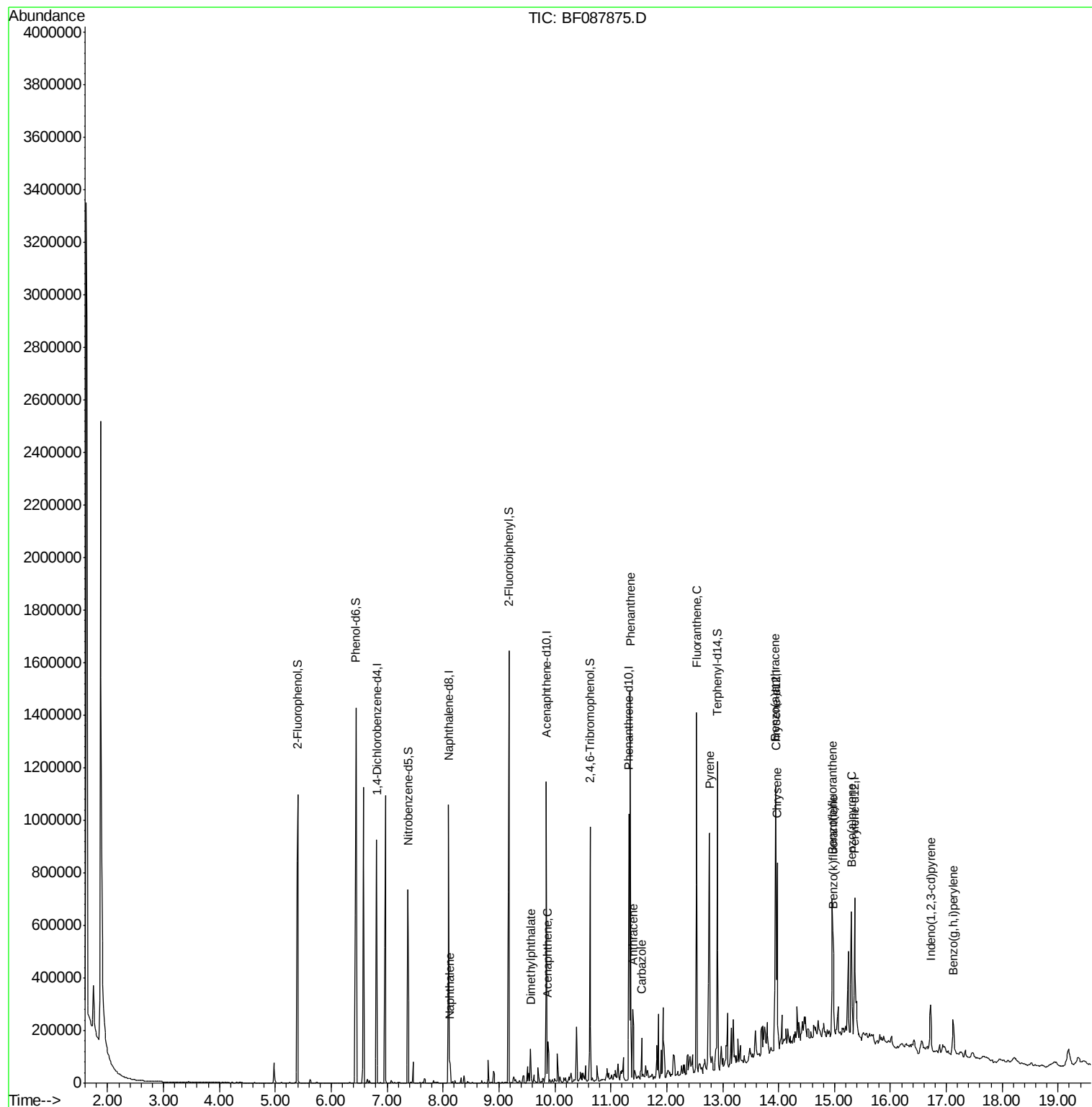
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
Data File : BF087875.D
Acq On : 10 Jun 2016 15:29
Operator : UM/SJ
Sample : H3426-09 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SS-55

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Quant Time: Jun 10 18:22:38 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

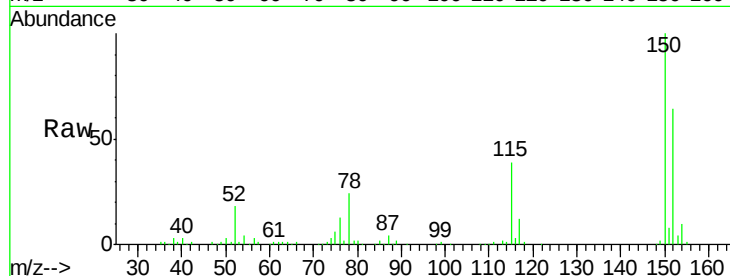
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/mL
RT: 6.81 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF087875.D
Acq: 10 Jun 2016 15:29

Instrument :
BNA_F
ClientSampleId :
SS-55

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
150	155.9	123.8	185.6	
115	60.1	39.6	59.4	

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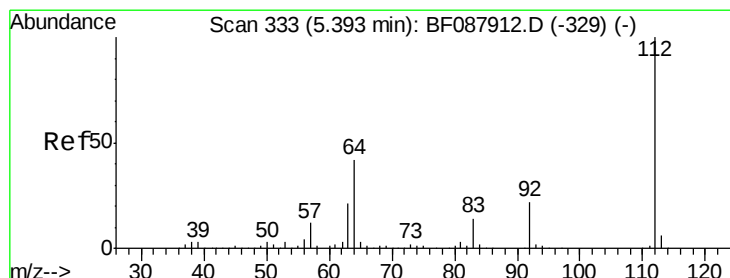
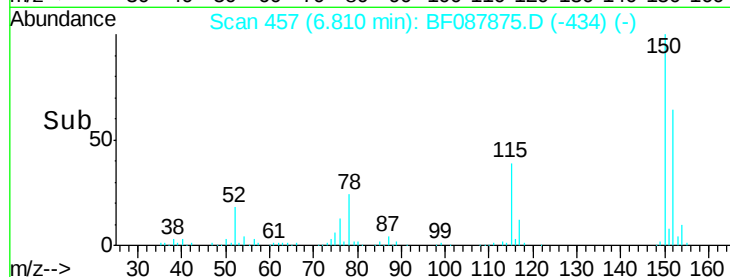
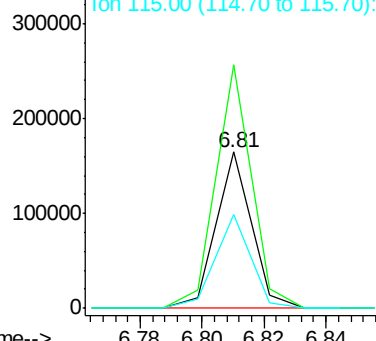


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

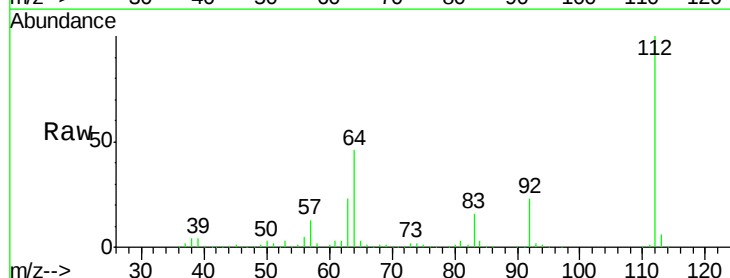
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 56.55 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF087875.D
Acq: 10 Jun 2016 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
64	45.7	42.2	63.2	
63	23.0	21.8	32.8	

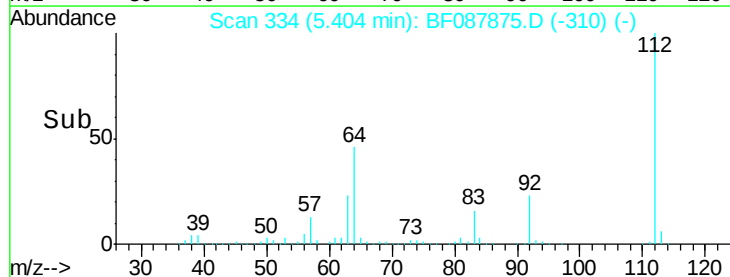
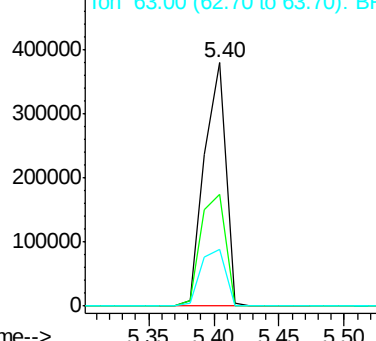


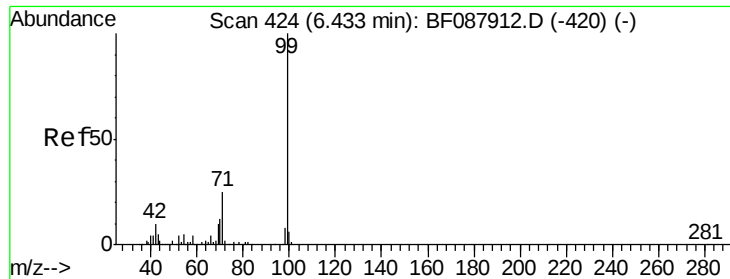
Abundance

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: 59.79 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087875.D

Acq: 10 Jun 2016 15:29

Instrument :

BNA_F

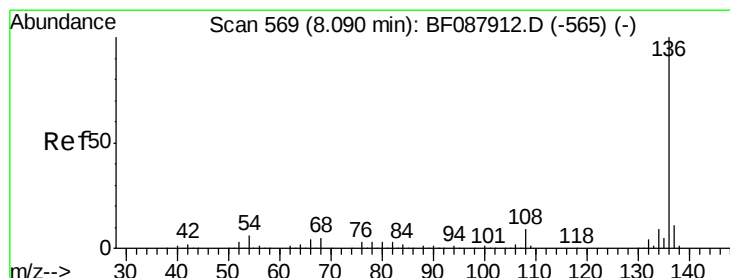
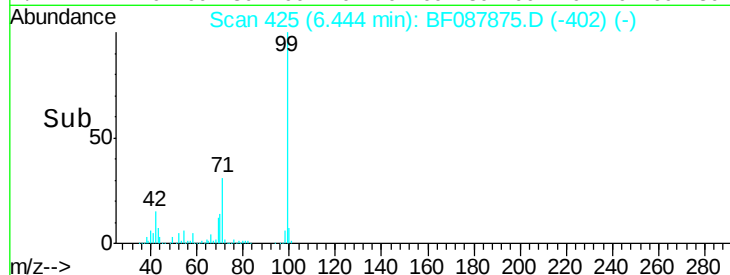
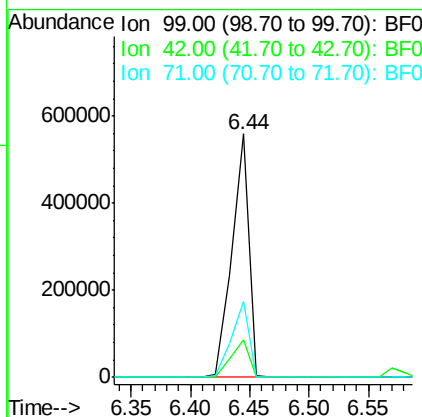
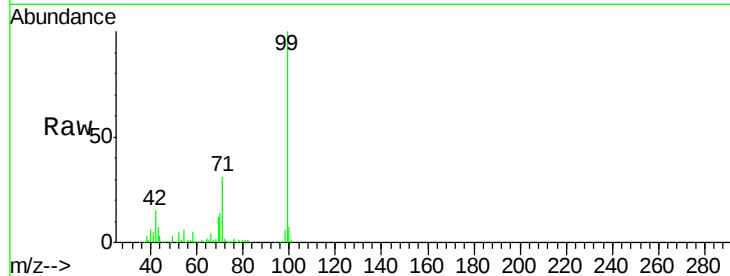
ClientSampleId :

SS-55

Tot Ion:	99	Resp:	553110
Ion Ratio	Lower	Upper	
99	100		
42	15.2	12.2	18.2
71	31.2	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

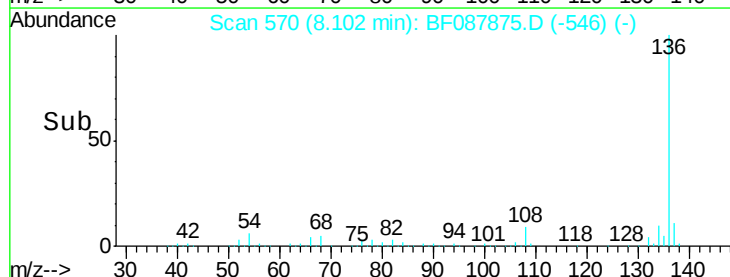
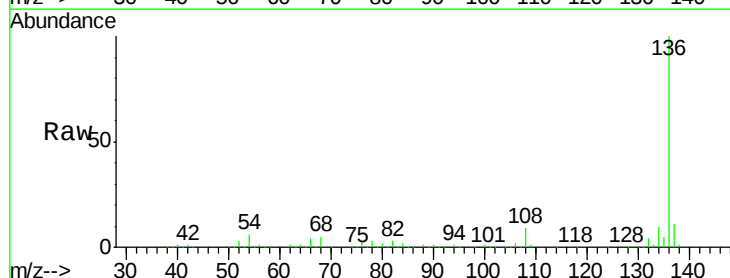
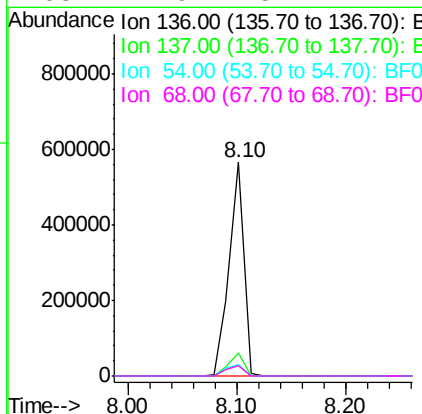
RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087875.D

Acq: 10 Jun 2016 15:29

Tgt Ion:	136	Resp:	528863
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	5.7	6.6	10.0#
68	4.9	5.1	7.7#





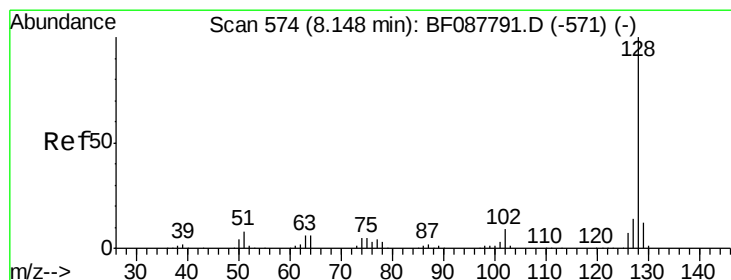
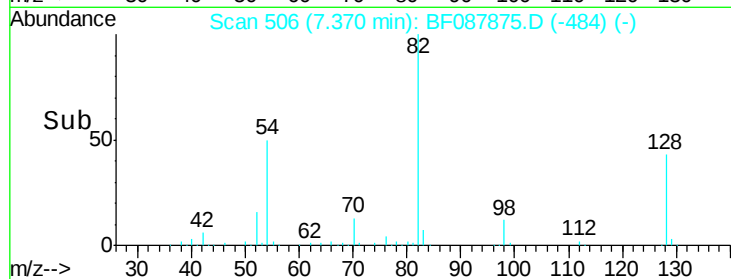
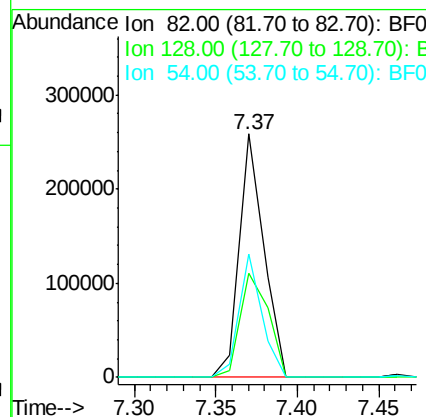
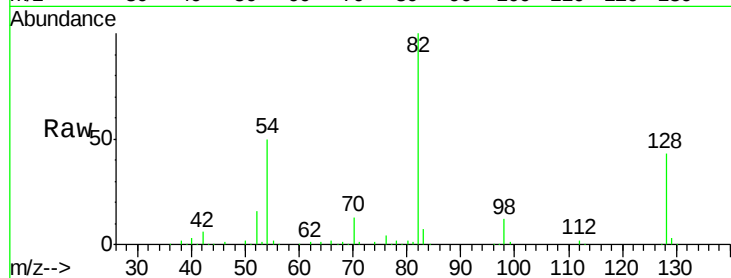
#23
Nitrobenzene-d5
Concen: 29.50 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.05 min
Lab File: BF087875.D
Acq: 10 Jun 2016 15:29

Instrument :
BNA_F
ClientSampleId :
SS-55

Tot Ion	Ratio	Resp	Lower	Upper
82	100	267158		
128	42.8		35.9	53.9
54	50.5		40.9	61.3

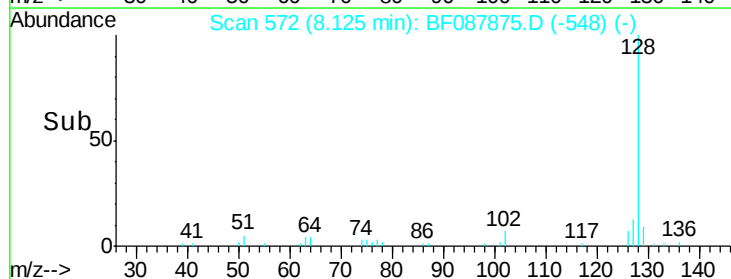
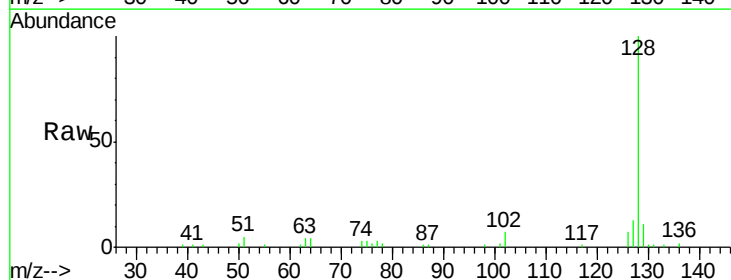
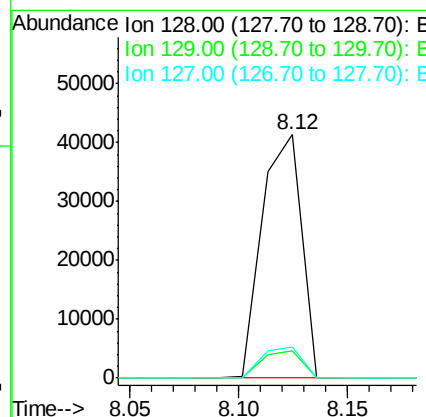
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#31
Naphthalene
Concen: 2.01 ng
RT: 8.12 min Scan# 572
Delta R.T. -0.02 min
Lab File: BF087875.D
Acq: 10 Jun 2016 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	52635		
129	11.0		9.4	14.2
127	12.8		10.9	16.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087875.D

Acq: 10 Jun 2016 15:29

Instrument :

BNA_F

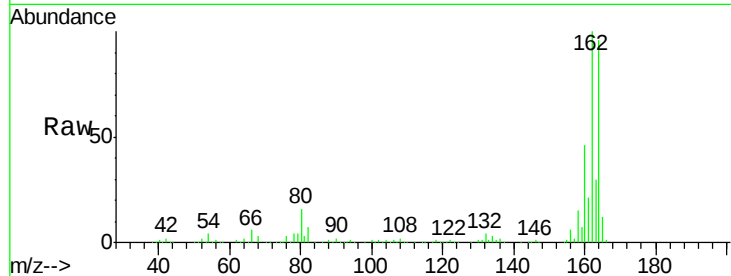
ClientSampleId :

SS-55

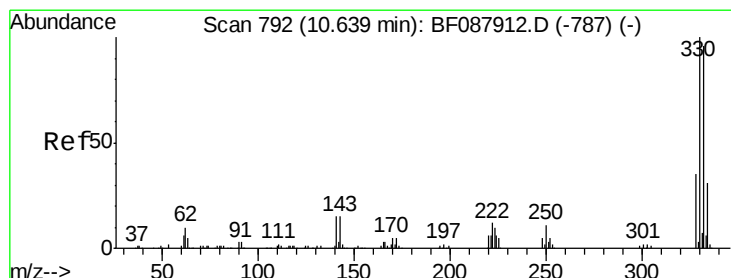
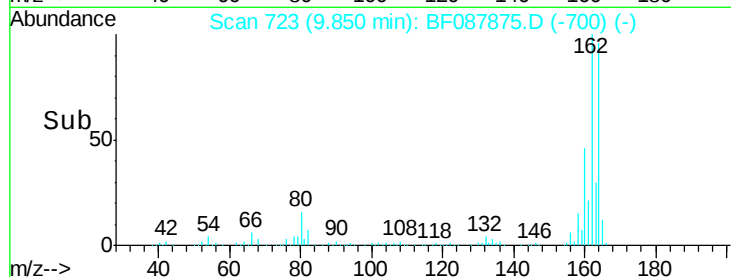
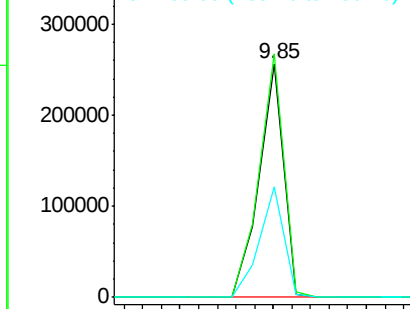
Tot Ion:	164	Resp:	231768
Ion Ratio	Lower	Upper	
164	100		
162	104.2	85.4	128.2
160	47.5	39.5	59.3

Manual Integrations
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 39.78 ng

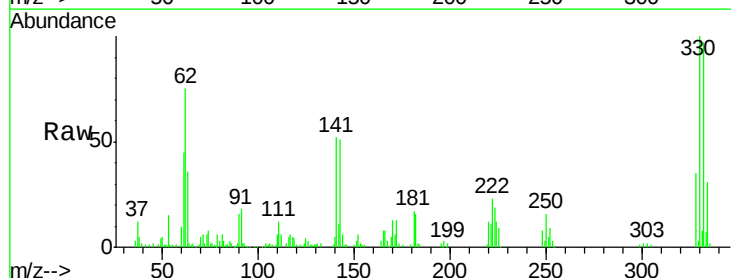
RT: 10.63 min Scan# 791

Delta R.T. -0.05 min

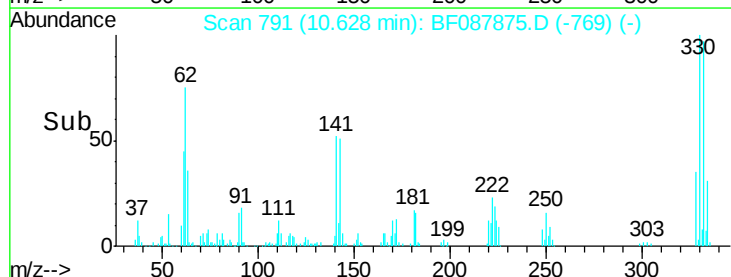
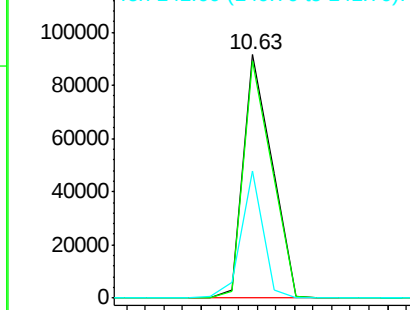
Lab File: BF087875.D

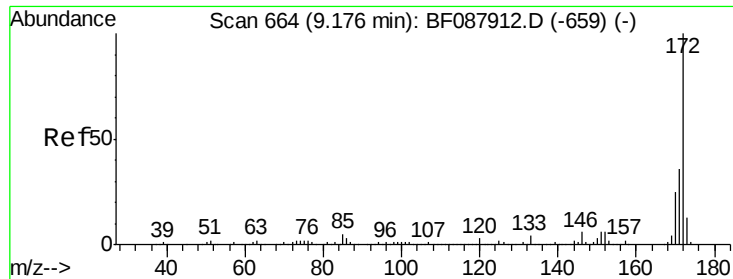
Acq: 10 Jun 2016 15:29

Tgt Ion:	330	Resp:	97357
Ion Ratio	Lower	Upper	
330	100		
332	96.9	0.0	0.0#
141	40.6	0.0	0.0#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





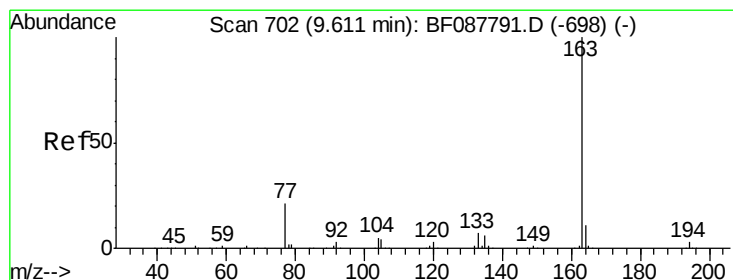
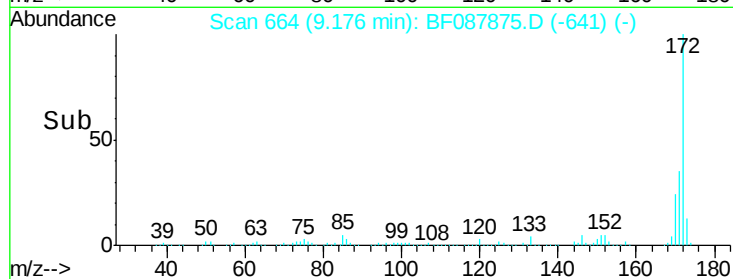
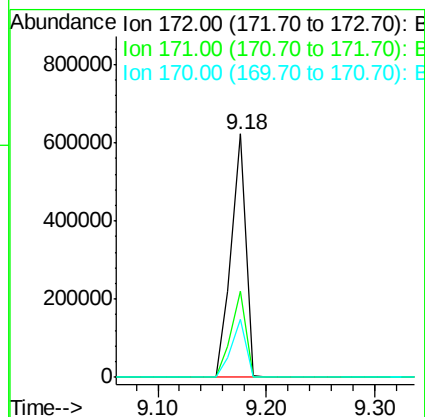
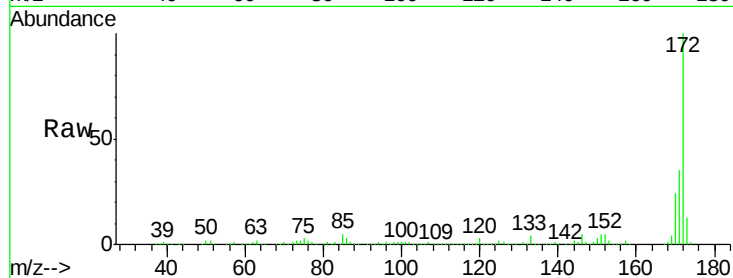
#44
2-Fluorobiphenyl
Concen: 36.50 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087875.D
Acq: 10 Jun 2016 15:29

Instrument :
BNA_F
ClientSampleId :
SS-55

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.7	19.2	28.8

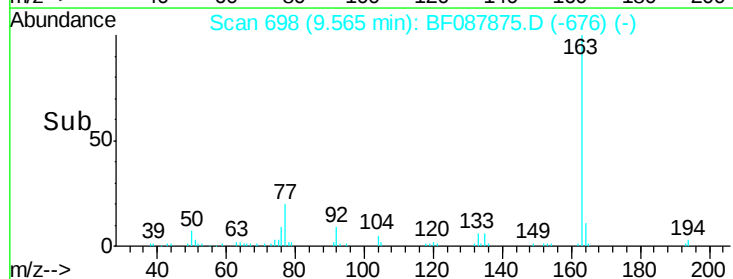
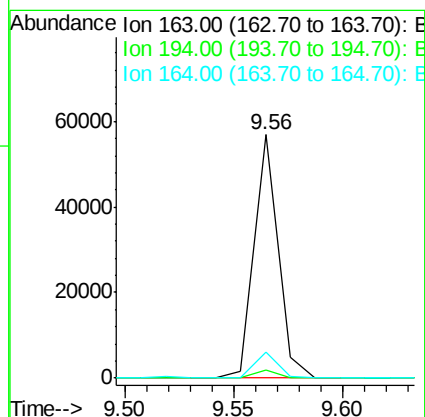
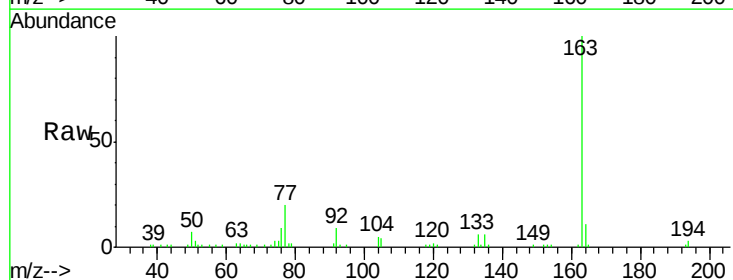
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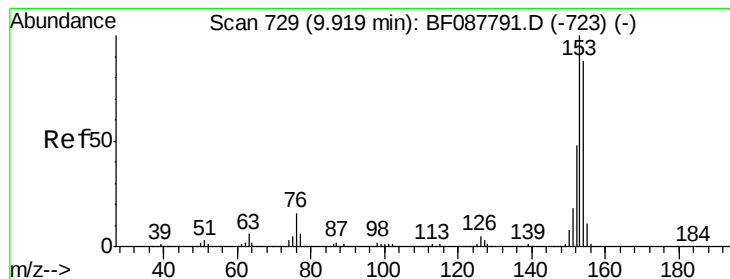
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#49
Dimethylphthalate
Concen: 2.58 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF087875.D
Acq: 10 Jun 2016 15:29

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.5	8.3	12.5





#51

Acenaphthene

Concen: 2.98 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.05 min

Lab File: BF087875.D

Acq: 10 Jun 2016 15:29

Instrument :

BNA_F

ClientSampled :

SS-55

Tot Ion:154 Resp: 44298

Ion Ratio Lower Upper

154 100

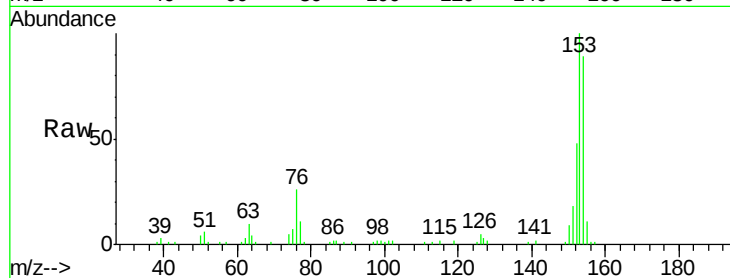
153 112.7 89.5 134.3

152 53.6 42.7 64.1

Manual Integrations
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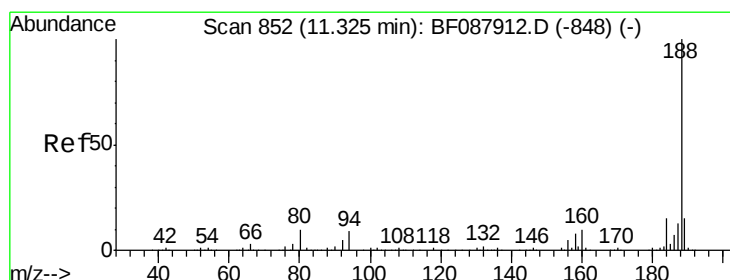
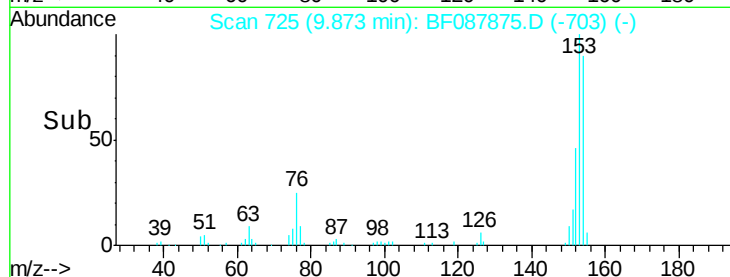
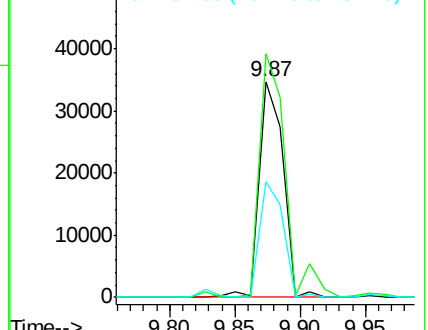
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087875.D

Acq: 10 Jun 2016 15:29

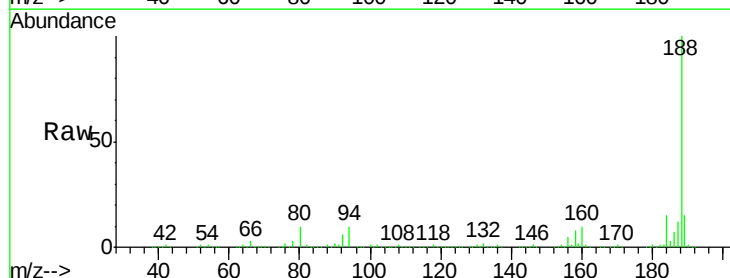
Tgt Ion:188 Resp: 347198

Ion Ratio Lower Upper

188 100

94 9.9 9.0 13.6

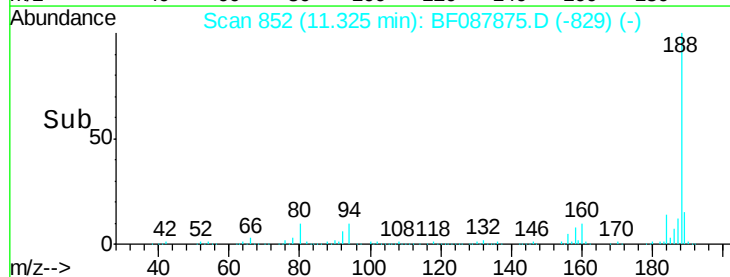
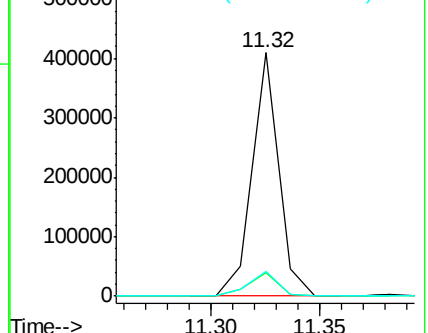
80 10.4 10.0 15.0

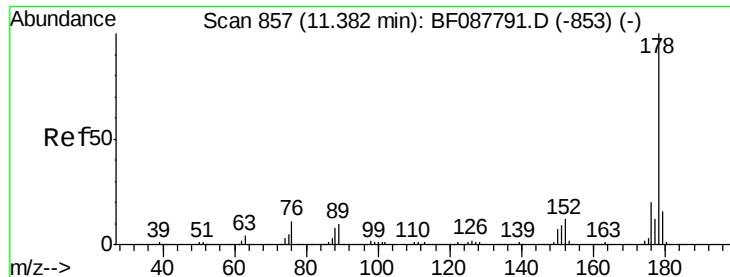


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





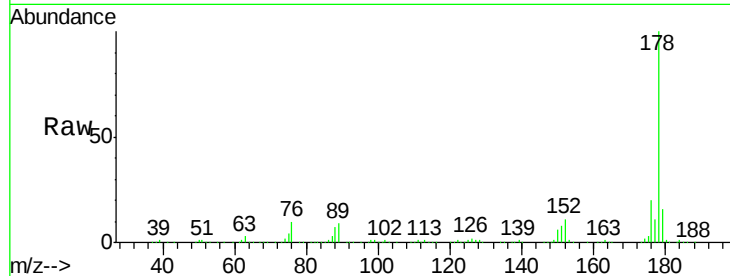
#70
Phenanthrene
Concen: 27.97 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087875.D
Acq: 10 Jun 2016 15:29

Instrument :
BNA_F
ClientSampleId :
SS-55

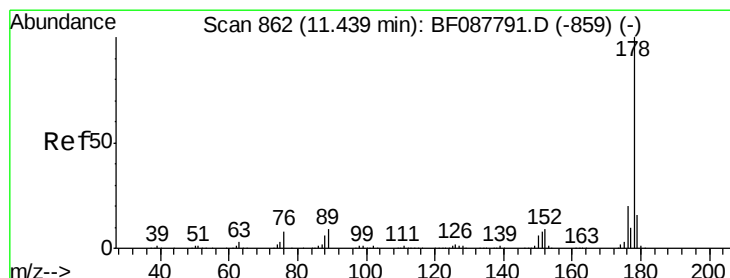
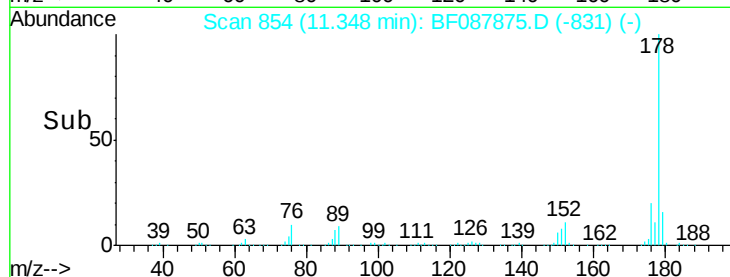
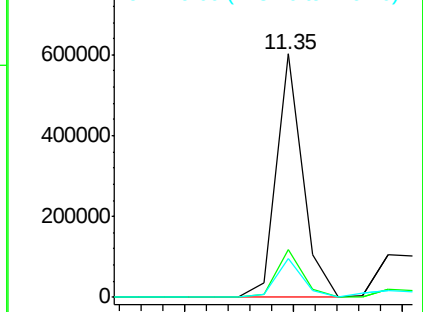
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	16.0	13.0	19.4

Manual Integrations
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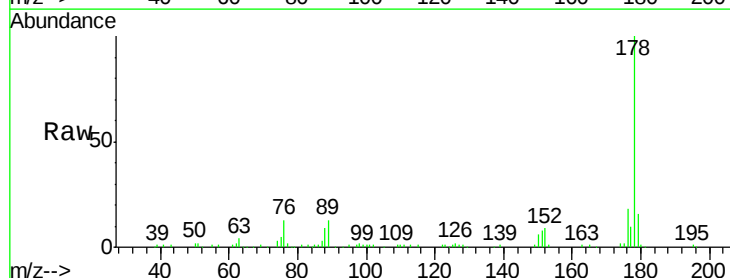


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

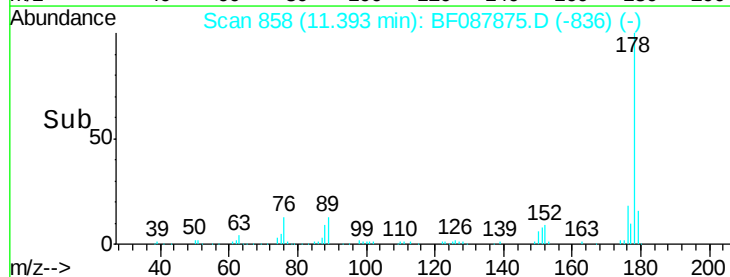
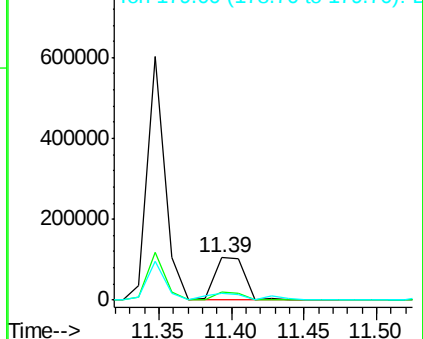


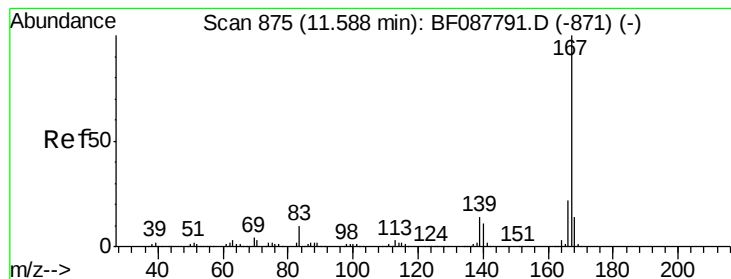
#71
Anthracene
Concen: 8.10 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.05 min
Lab File: BF087875.D
Acq: 10 Jun 2016 15:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.6	23.4
179	16.1	12.8	19.2



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





#72

Carbazole

Concen: 3.29 ng

RT: 11.55 min Scan# 872

Delta R.T. -0.03 min

Lab File: BF087875.D

Acq: 10 Jun 2016 15:29

Instrument :

BNA_F

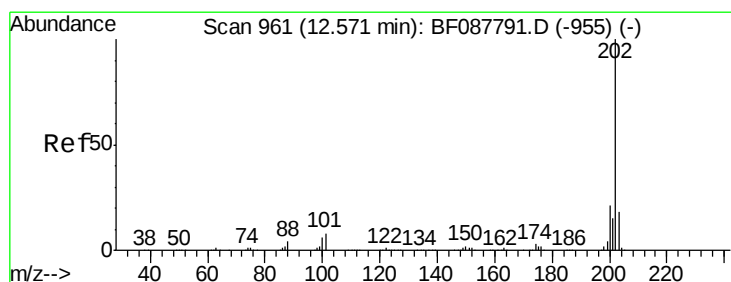
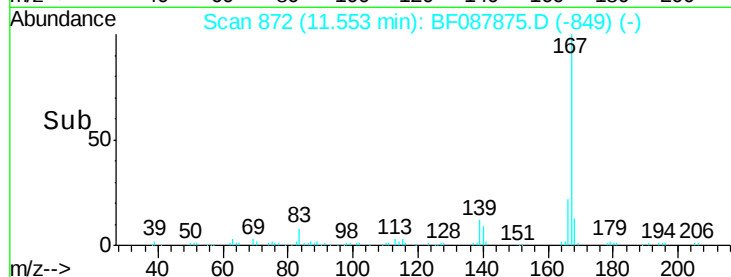
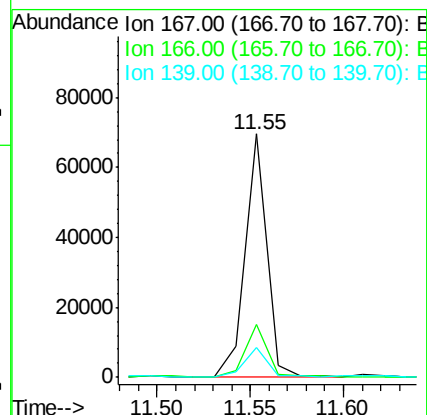
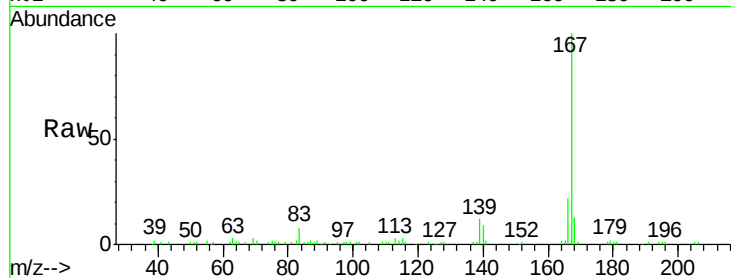
ClientSampleId :

SS-55

Tot Ion:	167	Resp:	56504
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.8	26.6
139	12.4	11.2	16.8

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#74

Fluoranthene

Concen: 33.18 ng

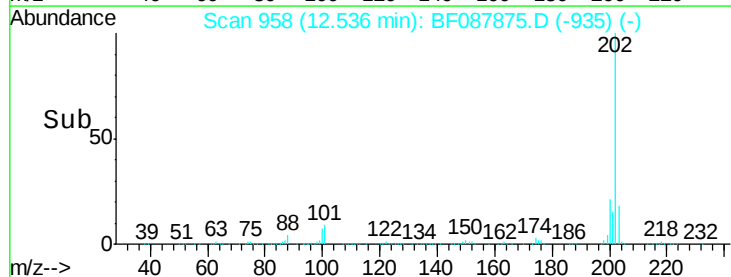
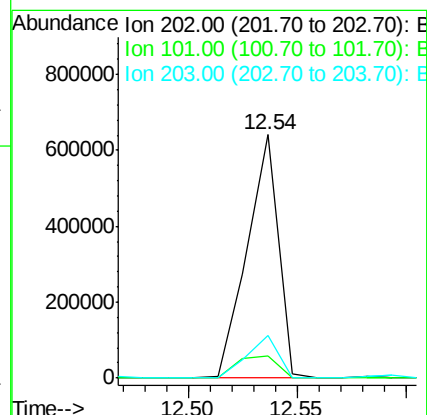
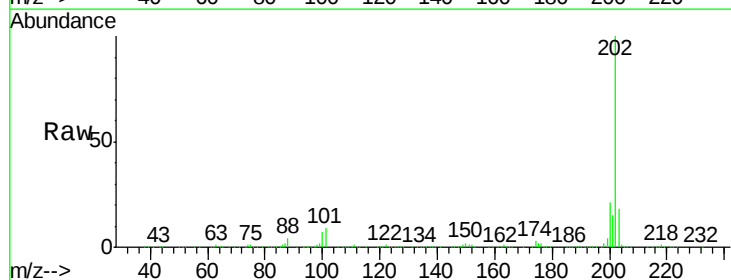
RT: 12.54 min Scan# 958

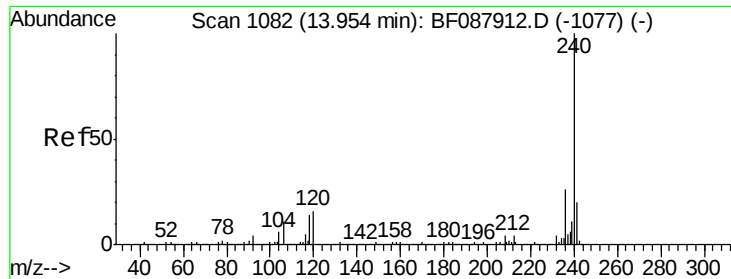
Delta R.T. -0.03 min

Lab File: BF087875.D

Acq: 10 Jun 2016 15:29

Tgt Ion:	202	Resp:	638009
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	33.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087875.D

Acq: 10 Jun 2016 15:29

Instrument :

BNA_F

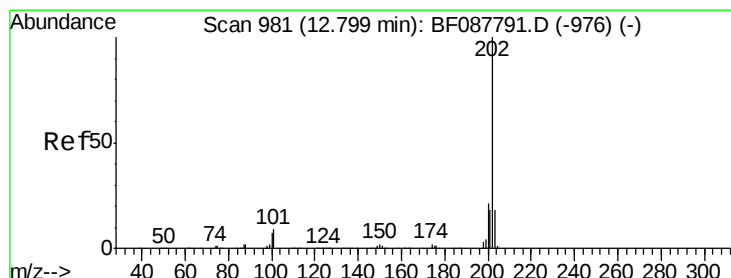
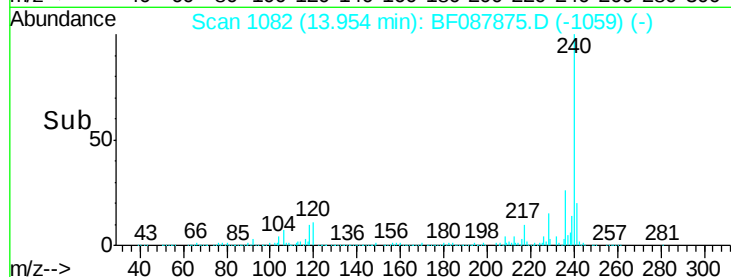
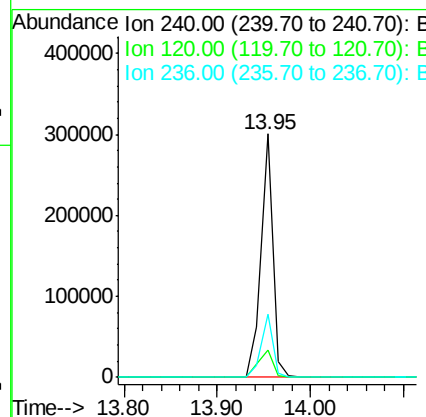
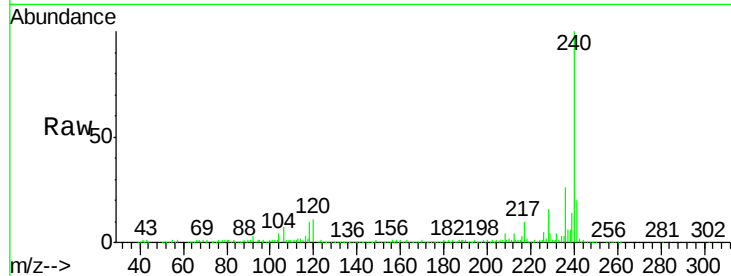
ClientSampleId :

SS-55

Tot Ion:	240	Resp:	266774
Ion Ratio	Lower	Upper	
240	100		
120	11.0	6.8	10.2#
236	26.1	20.2	30.2

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#77

Pyrene

Concen: 28.40 ng

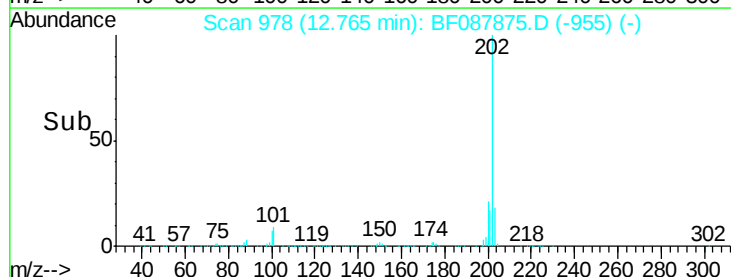
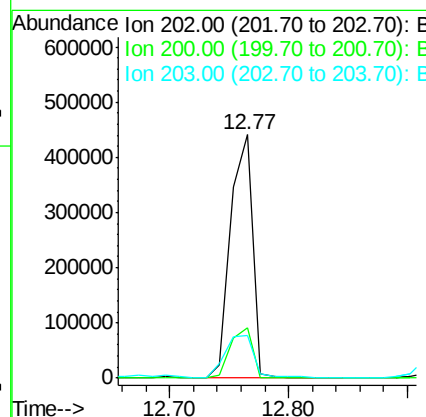
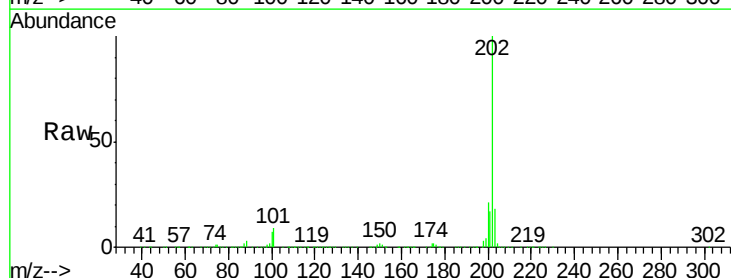
RT: 12.77 min Scan# 978

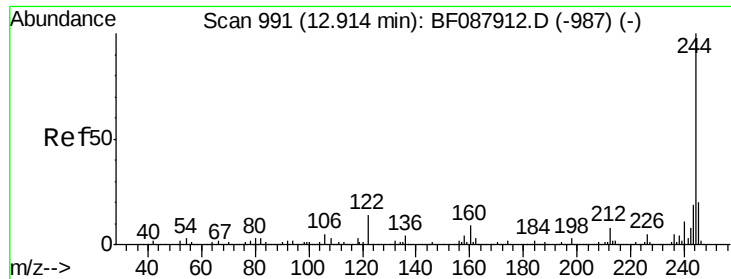
Delta R.T. -0.03 min

Lab File: BF087875.D

Acq: 10 Jun 2016 15:29

Tgt Ion:	202	Resp:	562142
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.7	14.5	21.7





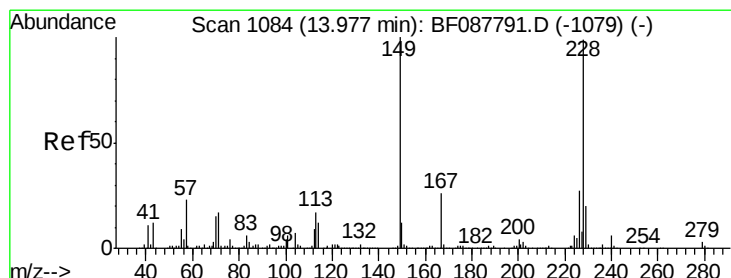
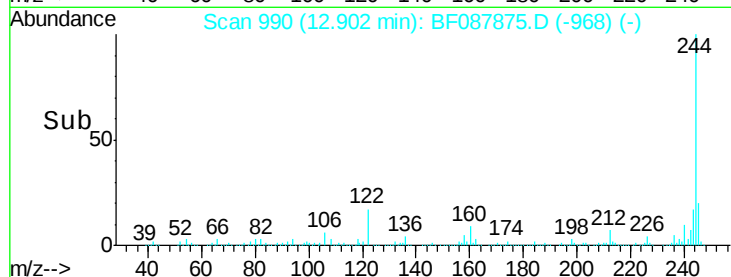
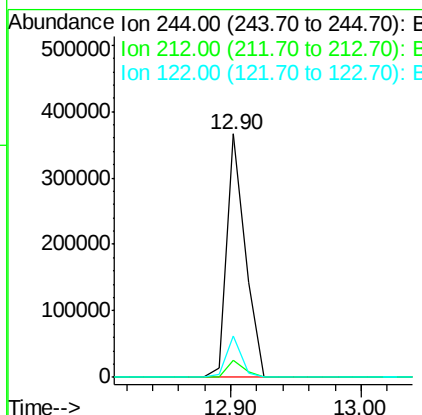
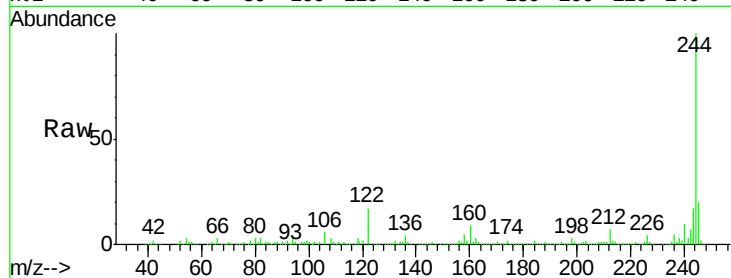
#78
 Terphenyl-d14
 Concen: 30.81 ng
 RT: 12.90 min Scan# 990
 Delta R.T. -0.05 min
 Lab File: BF087875.D
 Acq: 10 Jun 2016 15:29

Instrument :
 BNA_F
 ClientSampled :
 SS-55

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.3	6.0	9.0	
122	16.8	11.2	16.8	

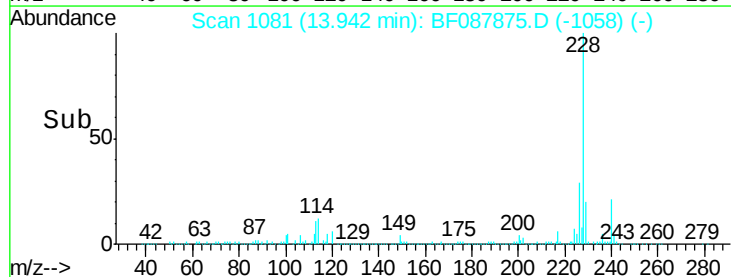
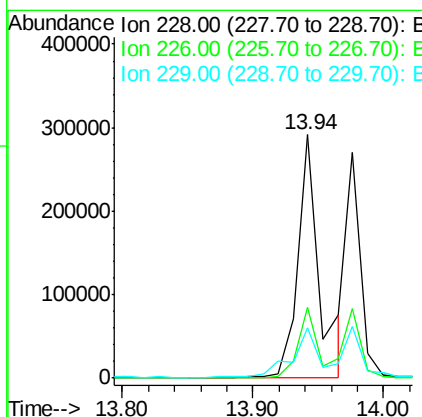
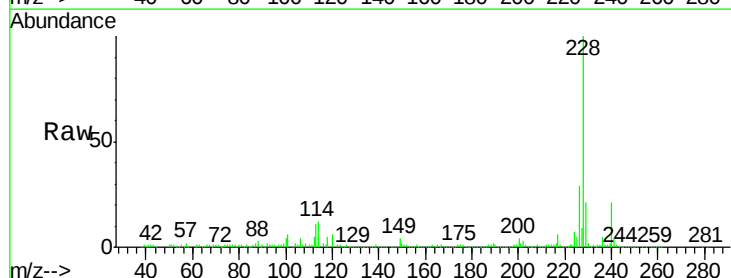
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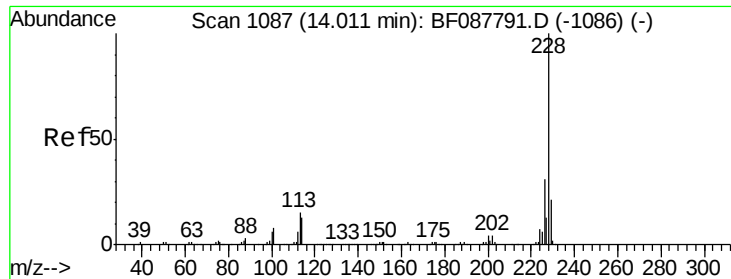
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#80
 Benzo(a)anthracene
 Concen: 22.19 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.03 min
 Lab File: BF087875.D
 Acq: 10 Jun 2016 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.3	22.3	33.5	
229	20.7	16.0	24.0	





#82

Chrysene

Concen: 14.58 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087875.D

Acq: 10 Jun 2016 15:29

Instrument :

BNA_F

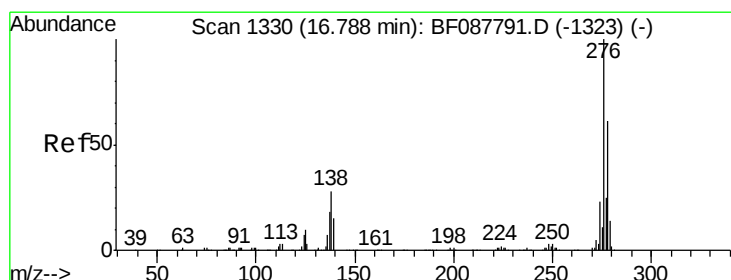
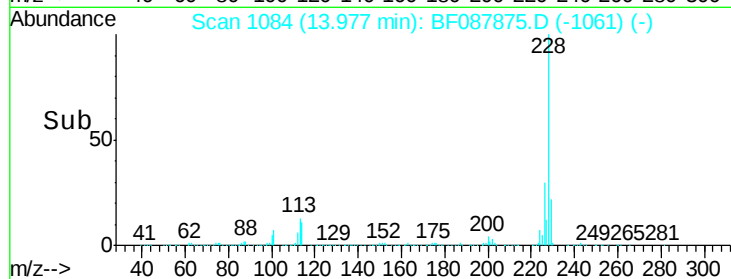
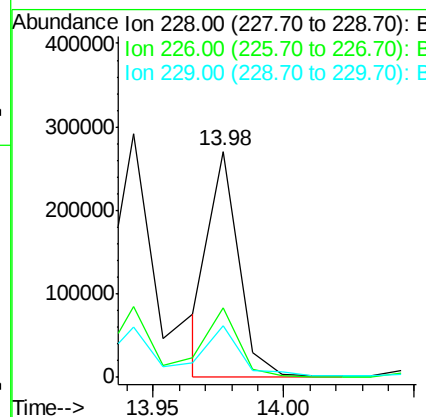
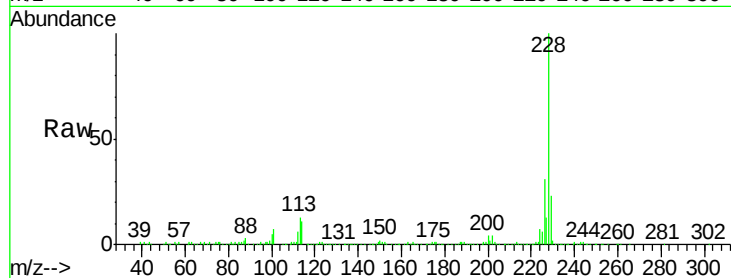
ClientSampleId :

SS-55

Tot Ion:	228	Resp:	208561
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.4	38.2
229	22.9	16.3	24.5

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.99 ng

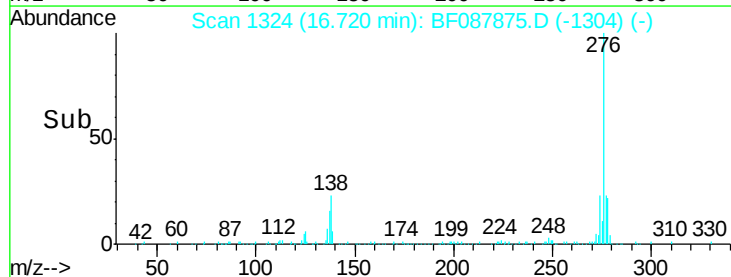
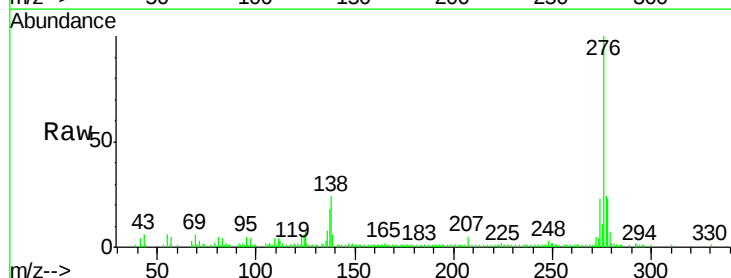
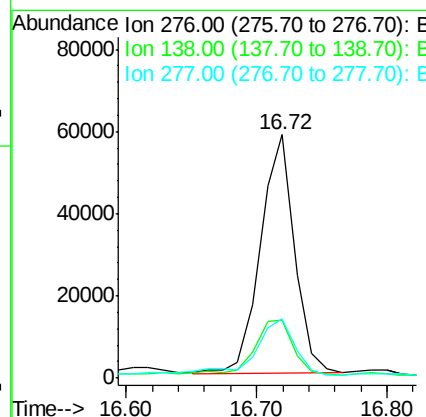
RT: 16.72 min Scan# 1324

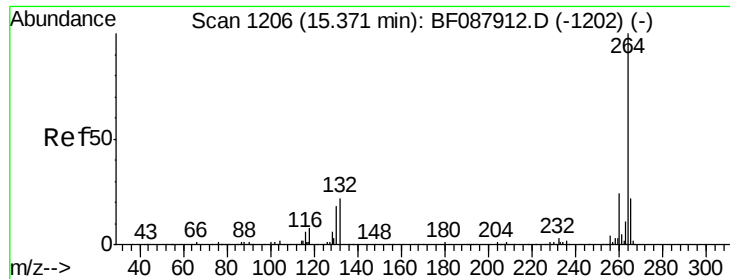
Delta R.T. -0.07 min

Lab File: BF087875.D

Acq: 10 Jun 2016 15:29

Tgt Ion:	276	Resp:	106153
Ion Ratio	Lower	Upper	
276	100		
138	28.7	0.0	0.0#
277	30.6	0.0	0.0#





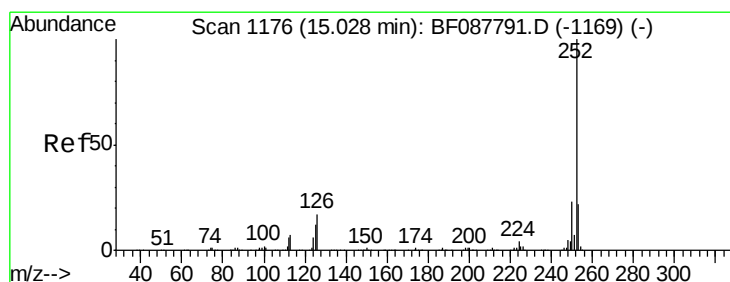
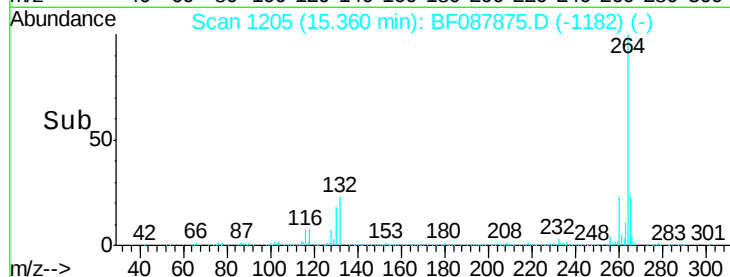
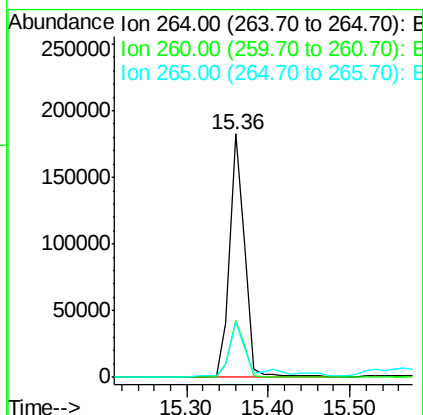
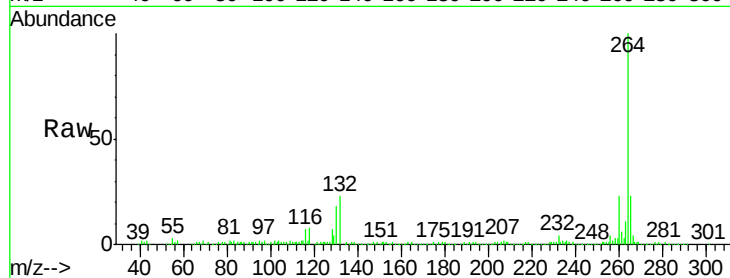
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087875.D
Acq: 10 Jun 2016 15:29

Instrument :
BNA_F
ClientSampleId :
SS-55

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.9	16.9	25.3

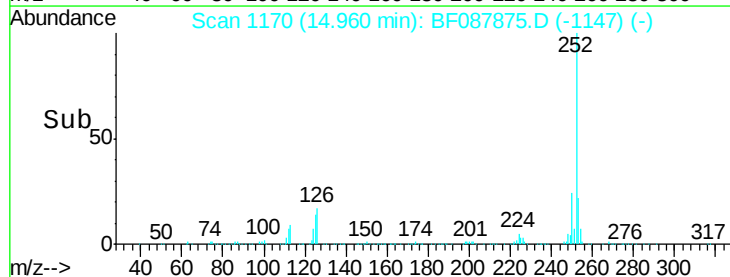
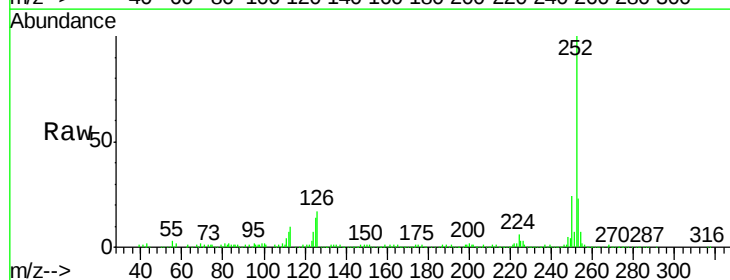
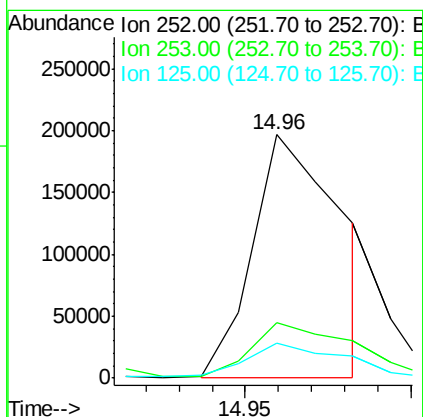
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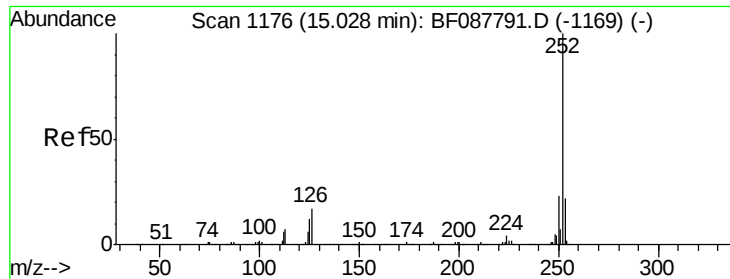
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#87
Benzo(b)fluoranthene
Concen: 22.40 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087875.D
Acq: 10 Jun 2016 15:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	14.4	7.1	10.7#





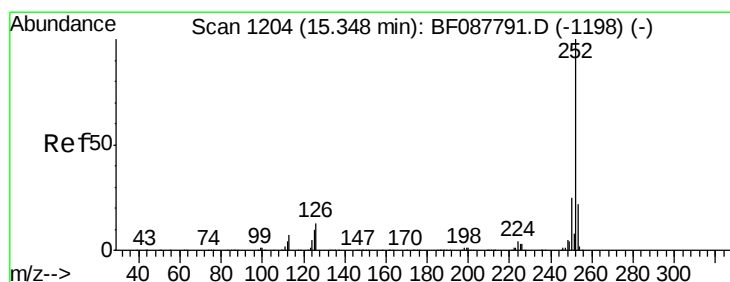
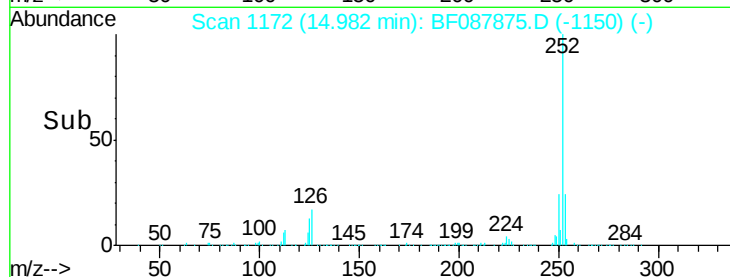
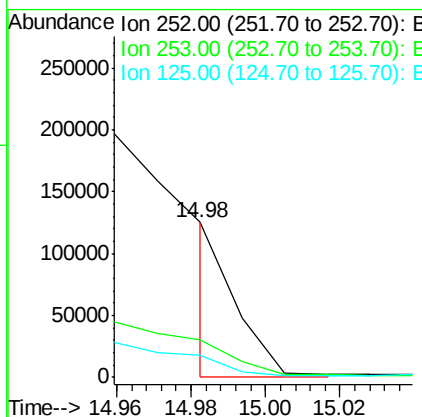
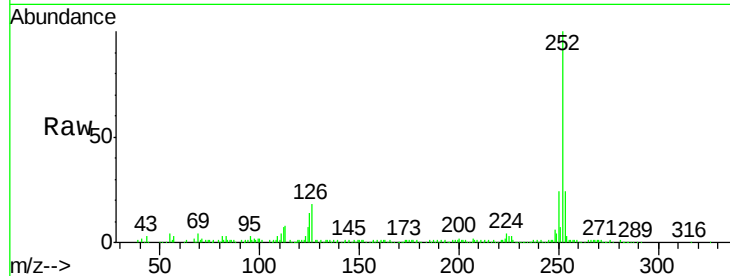
#88
Benzo(k)fluoranthene
Concen: 3.03 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.05 min
Lab File: BF087875.D
Acq: 10 Jun 2016 15:29

Instrument :
BNA_F
ClientSampled :
SS-55

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	14.0	11.2	16.8

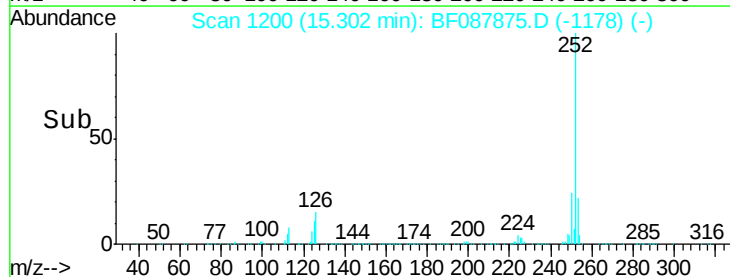
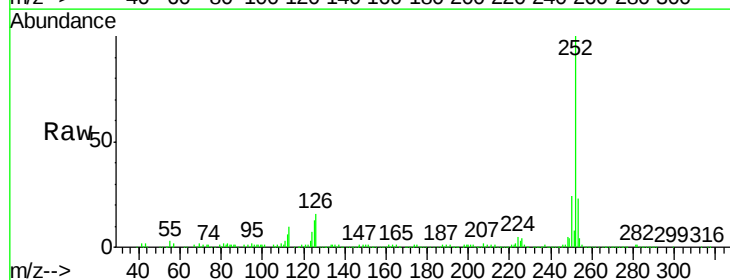
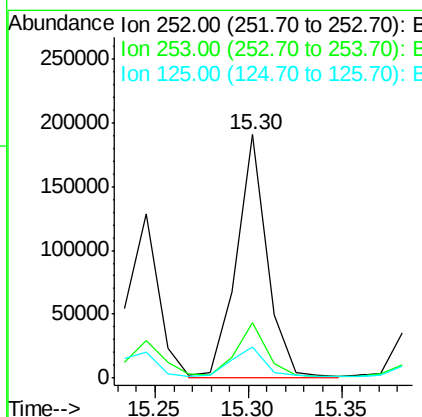
Manual Integrations
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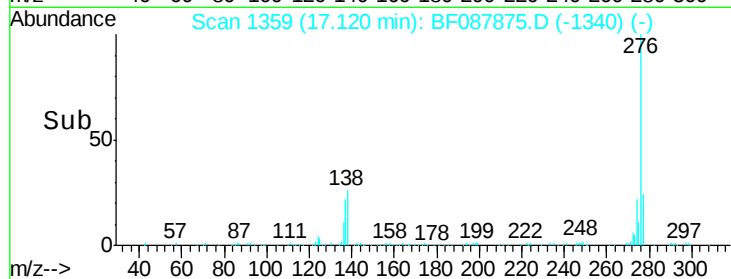
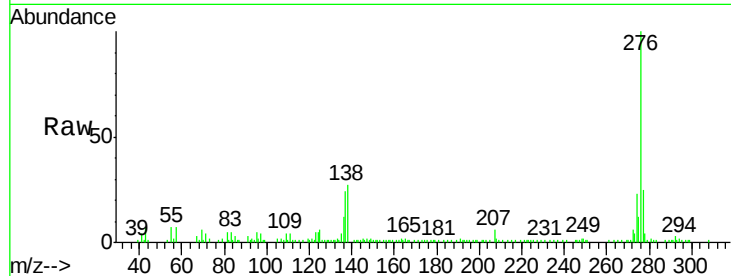
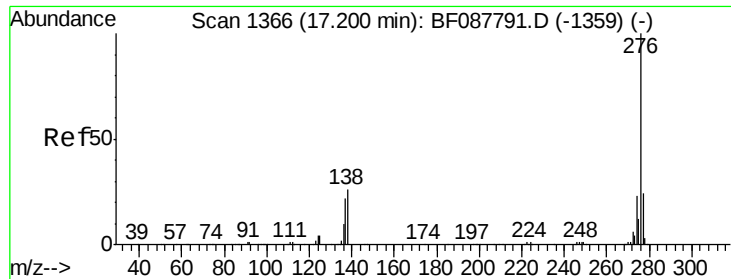
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#89
Benzo(a)pyrene
Concen: 16.36 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087875.D
Acq: 10 Jun 2016 15:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	12.9	12.5	18.7





#91
Benzo(a,h,i)perylene
Concen: 7.91 ng
RT: 17.12 min Scan# 1359
Delta R.T. -0.08 min
Lab File: BF087875.D
Acq: 10 Jun 2016 15:29

Instrument :
BNA_F
ClientSampleId :
SS-55

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.9	28.3
138	26.8	21.4	32.2

Manual Integrations
APPROVED

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6/13/2016 7:10:59 PM

