

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
 Data File : BF087873.D
 Acq On : 10 Jun 2016 14:32
 Operator : UM/SJ
 Sample : H3426-06 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-52

Manual Integrations
 APPROVED

SOHIL
 6/13/2016 7:10:53 PM

Quant Time: Jun 10 18:16:55 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	137069m	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	539797	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	227618	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	416615	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	290258	20.00	ng	-0.03
86) Perylene-d12	15.36	264	292998	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	301225	37.57	ng	-0.03
7) Phenol-d6	6.44	99	435526	44.82	ng	-0.03
23) Nitrobenzene-d5	7.37	82	225222	24.36	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	80263	33.40	ng	-0.05
44) 2-Fluorobiphenyl	9.18	172	495280	30.64	ng	-0.03
78) Terphenyl-d14	12.90	244	331252	25.97	ng	-0.05
Target Compounds						
49) Dimethylphthalate	9.56	163	43547	2.64	ng	Qvalue 100
70) Phenanthrene	11.35	178	252861	11.57	ng	98
71) Anthracene	11.39	178	62048	2.81	ng	98
74) Fluoranthene	12.52	202	303446	13.15	ng	96
77) Pyrene	12.75	202	278080	12.91	ng	99
80) Benzo(a)anthracene	13.94	228	147905	8.94	ng	99
82) Chrysene	13.98	228	124859m	8.02	ng	
85) Indeno(1,2,3-cd)pyrene	16.71	276	67852	4.69	ng	# 100
87) Benzo(b)fluoranthene	14.96	252	167607m	8.21	ng	
88) Benzo(k)fluoranthene	14.98	252	60589m	3.93	ng	
89) Benzo(a)pyrene	15.30	252	126365m	7.65	ng	
91) Benzo(a,h,i)perylene	17.12	276	60721	3.85	ng	99

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

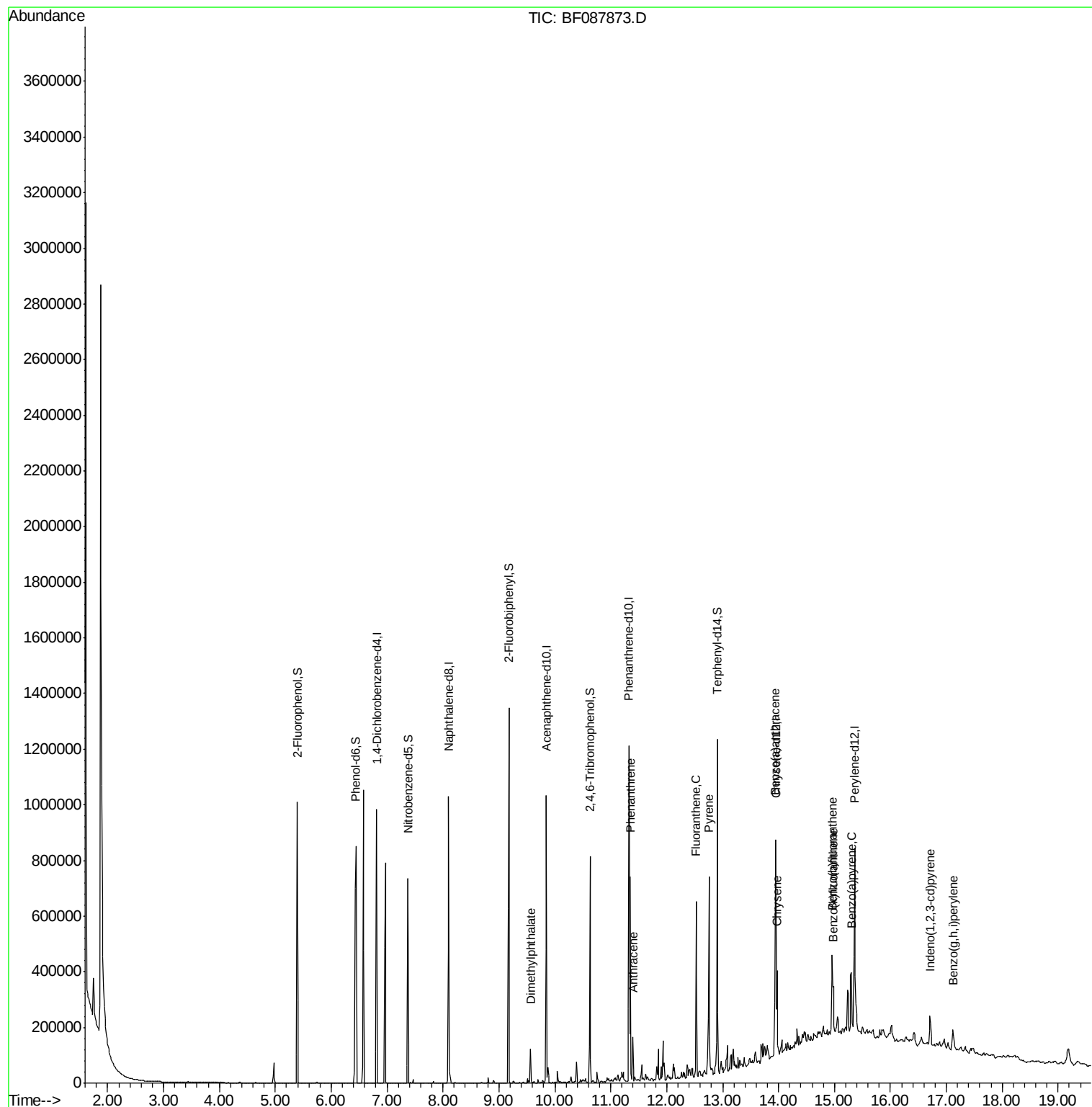
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
Data File : BF087873.D
Acq On : 10 Jun 2016 14:32
Operator : UM/SJ
Sample : H3426-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

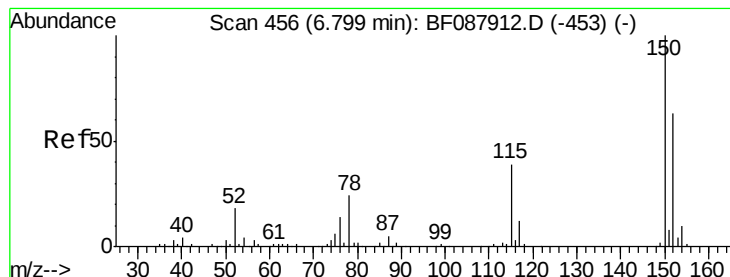
Instrument :
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SS-52

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
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#1

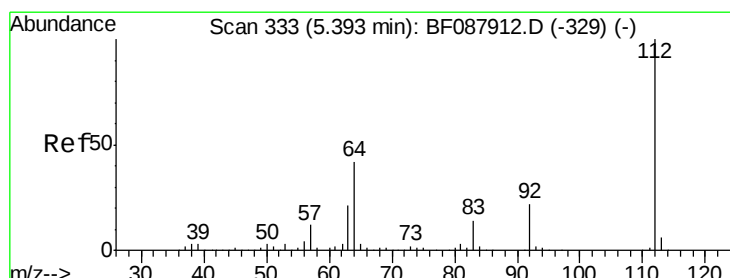
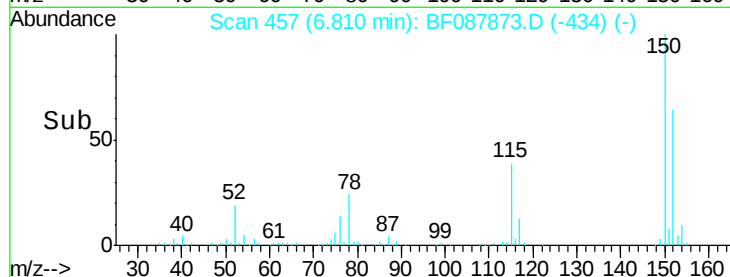
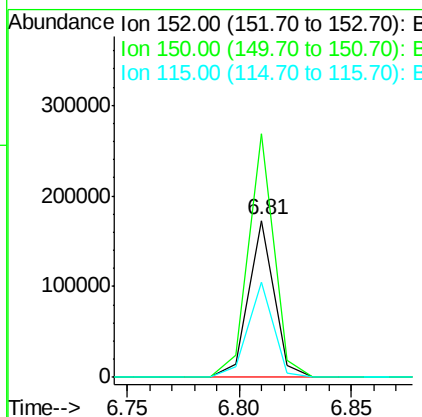
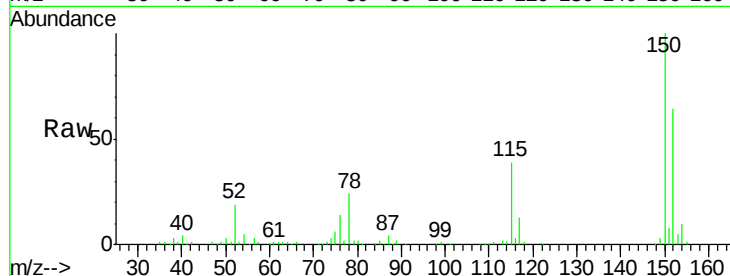
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.81 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF087873.D
Acq: 10 Jun 2016 14:32

Instrument :
BNA_F
ClientSampleId :
SS-52

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	123.8	185.6
115	61.0	39.6	59.4

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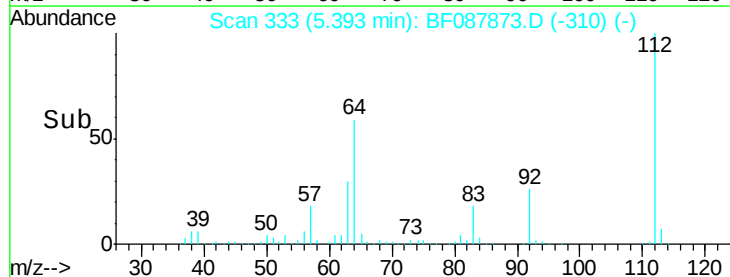
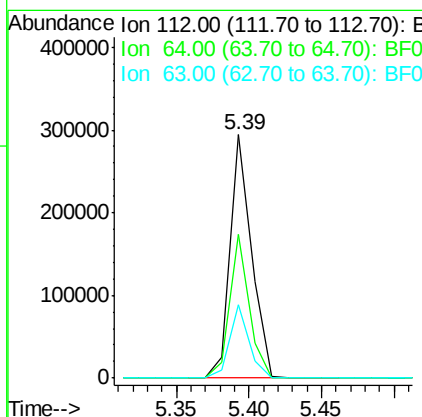
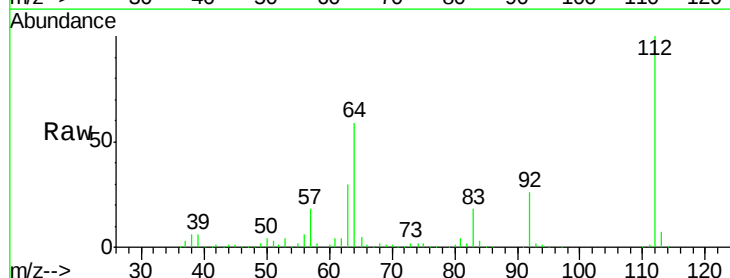
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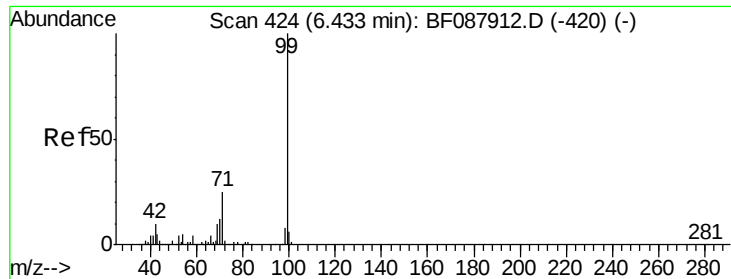


#5

2-Fluorophenol
Concen: 37.57 ng
RT: 5.39 min Scan# 333
Delta R.T. -0.03 min
Lab File: BF087873.D
Acq: 10 Jun 2016 14:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	42.2	63.2
63	30.2	21.8	32.8





#7

Phenol-d6

Concen: 44.82 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Instrument :

BNA_F

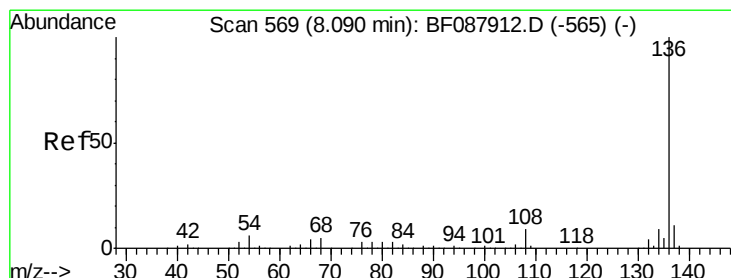
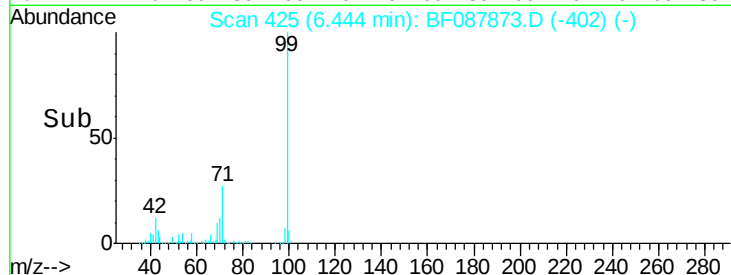
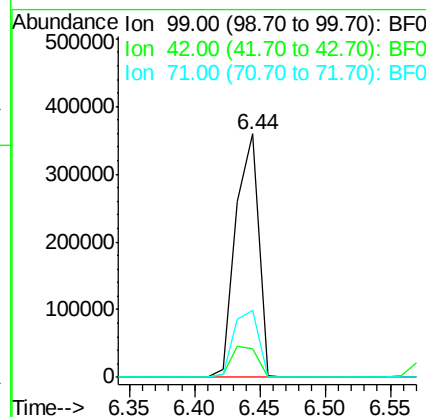
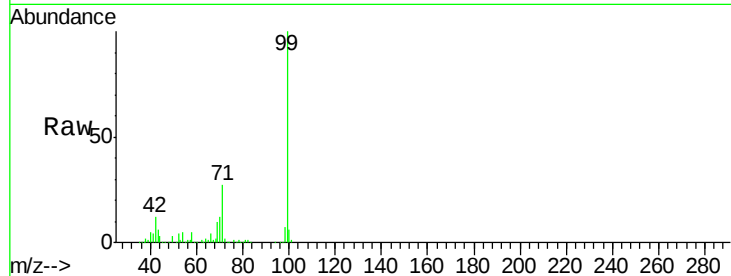
ClientSampleId :

SS-52

Tot Ion:	99	Resp:	43526
Ion Ratio	Lower	Upper	
99	100		
42	11.8	12.2	18.2#
71	27.3	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

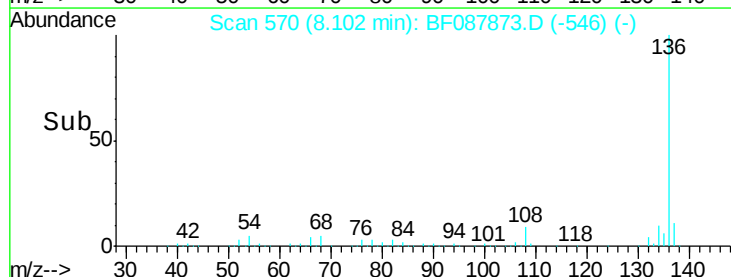
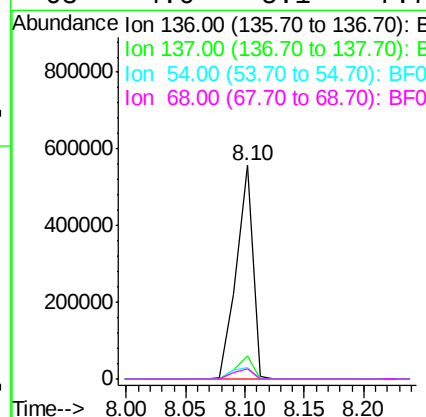
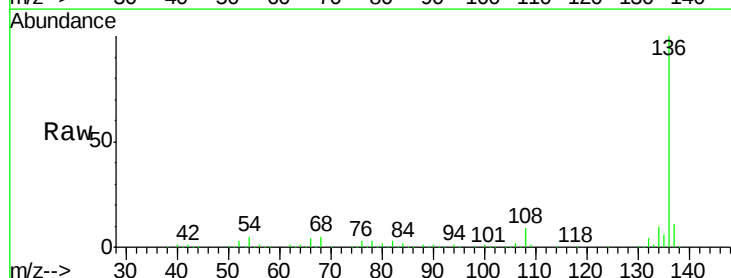
RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Tgt Ion:	136	Resp:	539797
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	5.3	6.6	10.0#
68	4.6	5.1	7.7#





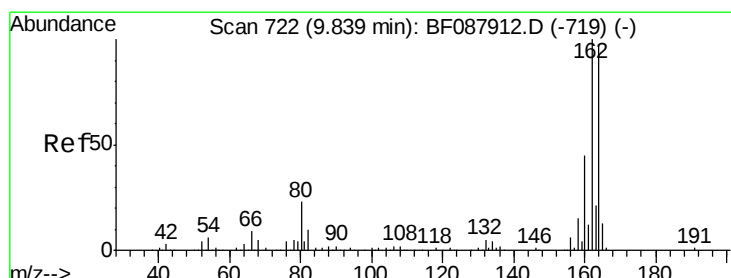
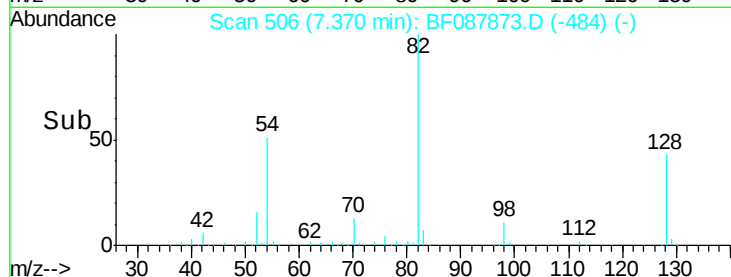
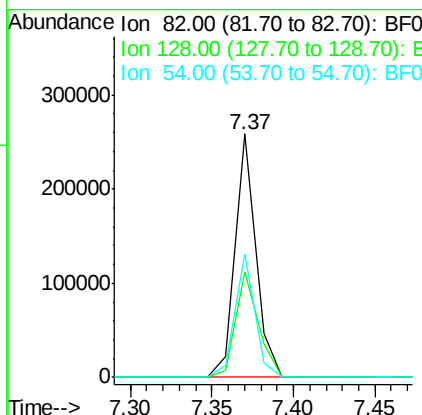
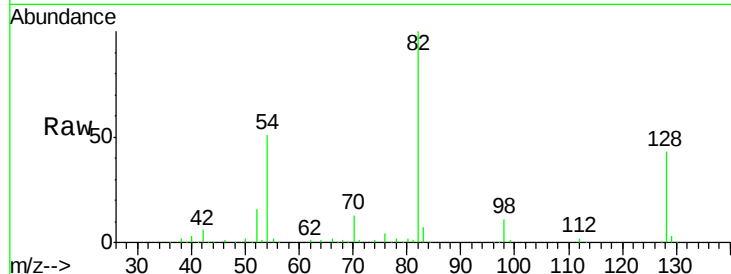
#23
 Nitrobenzene-d5
 Concen: 24.36 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

Instrument :
 BNA_F
 ClientSampleId :
 SS-52

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.9	53.9
54	50.7	40.9	61.3

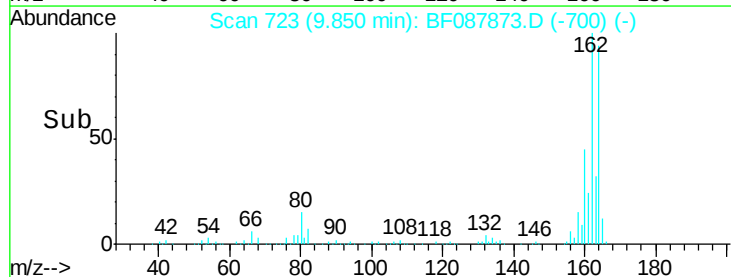
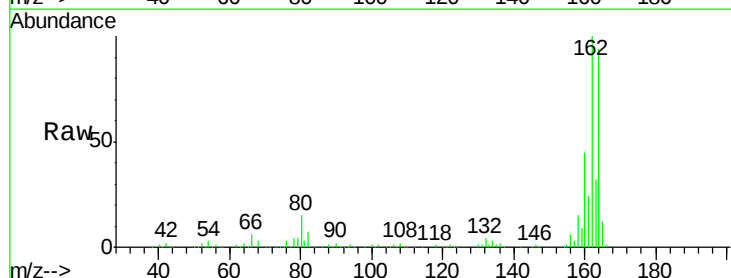
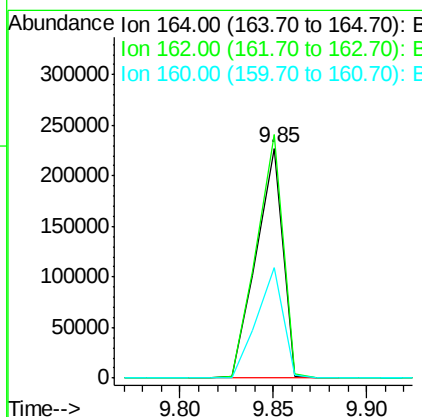
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	85.4	128.2
160	48.1	39.5	59.3





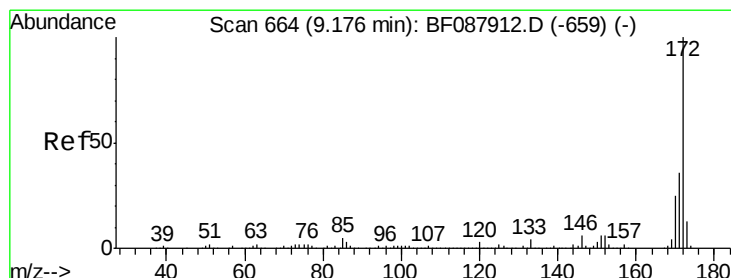
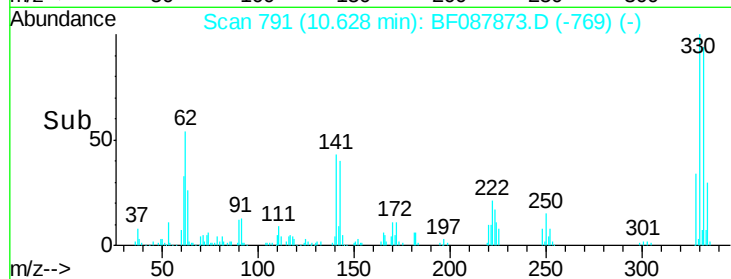
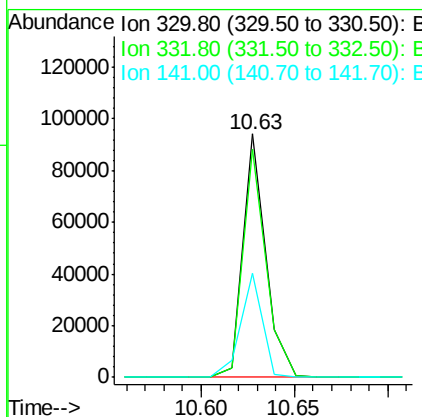
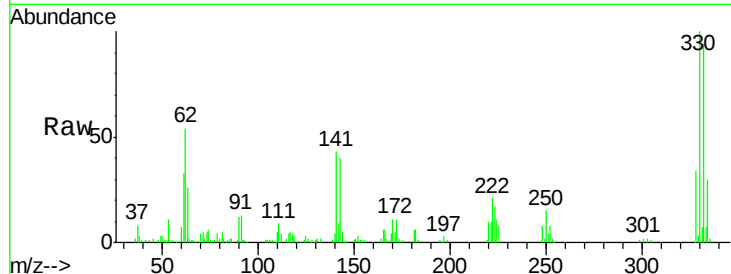
#41
 2,4,6-Tribromophenol
 Concen: 33.40 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.05 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

Instrument :
 BNA_F
 ClientSampleId :
 SS-52

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	94.8	0.0	0.0#
141	41.1	0.0	0.0#

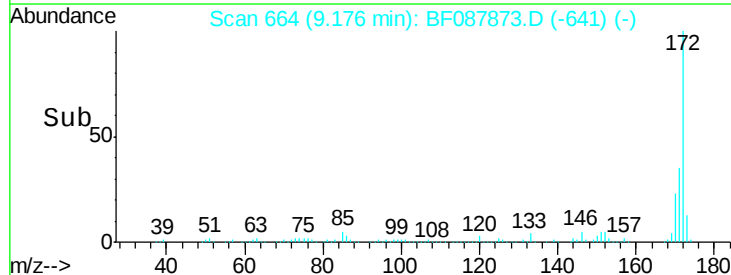
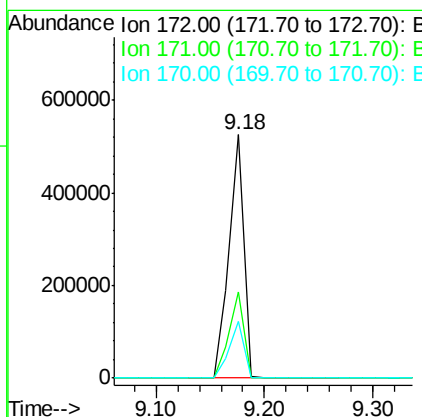
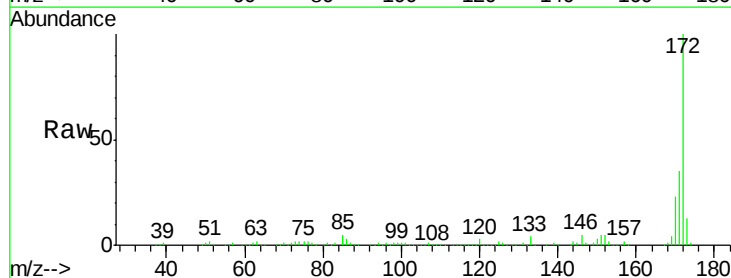
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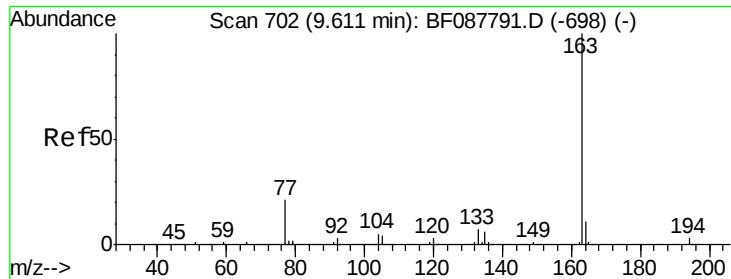
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#44
 2-Fluorobiphenyl
 Concen: 30.64 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.4	19.2	28.8





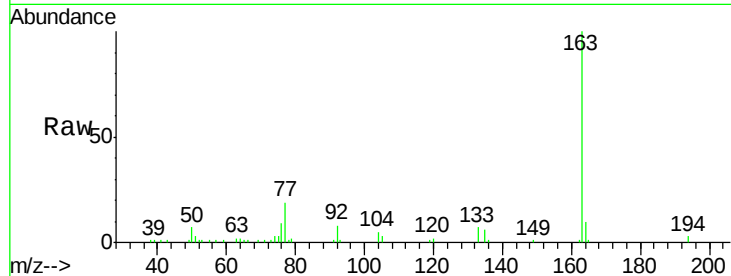
#49
Dimethylphthalate
Concen: 2.64 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF087873.D
Acq: 10 Jun 2016 14:32

Instrument :
BNA_F
ClientSampleId :
SS-52

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.3	8.3	12.5

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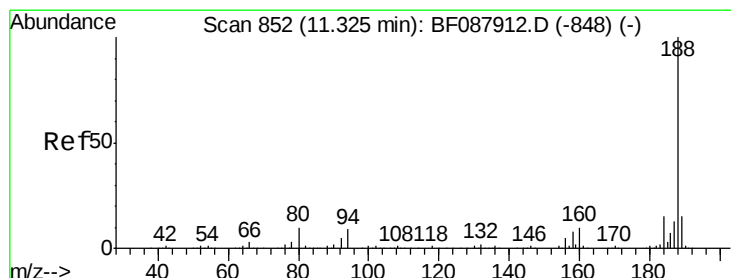
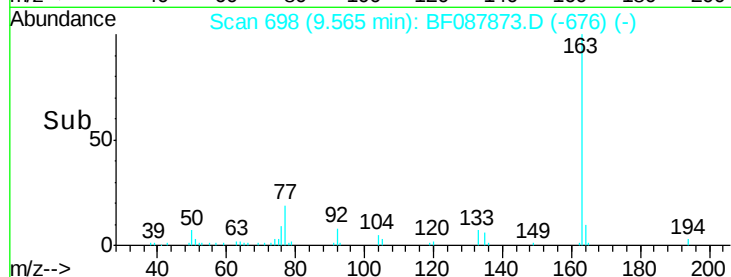
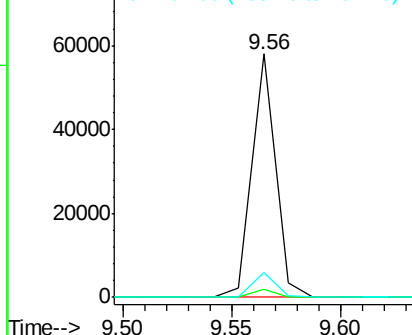


Abundance

Ion 163.00 (162.70 to 163.70): E

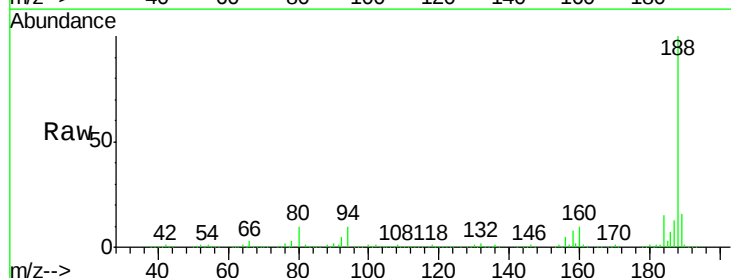
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087873.D
Acq: 10 Jun 2016 14:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.0	13.6
80	9.8	10.0	15.0

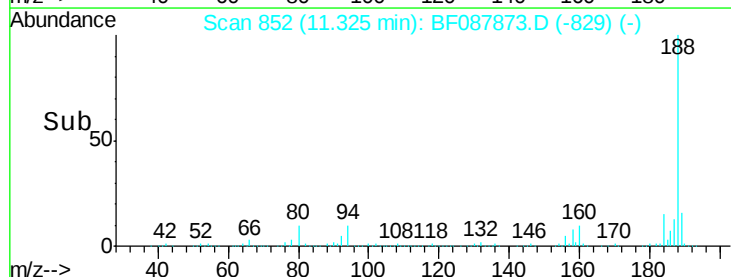
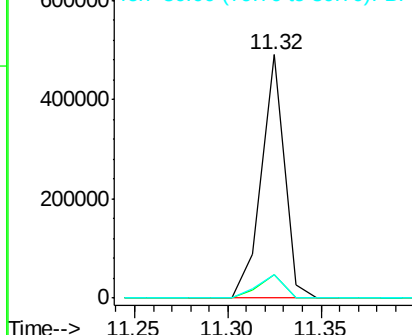


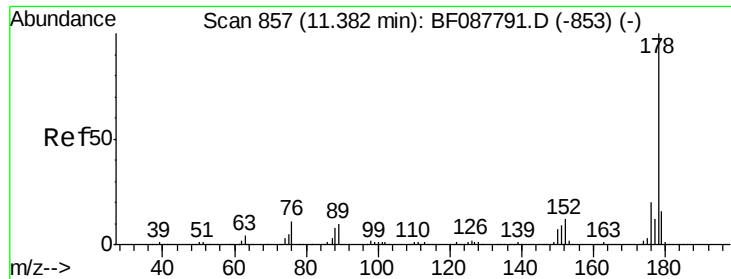
Abundance

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





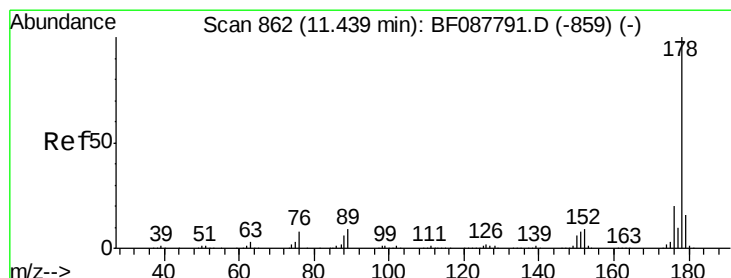
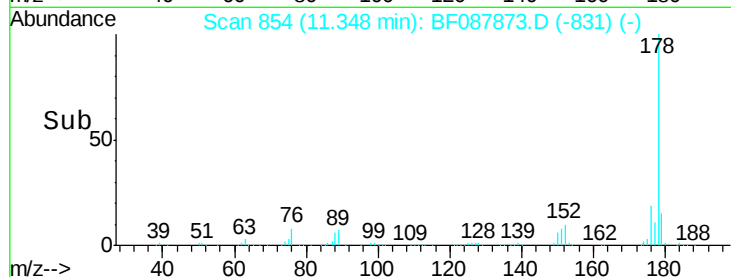
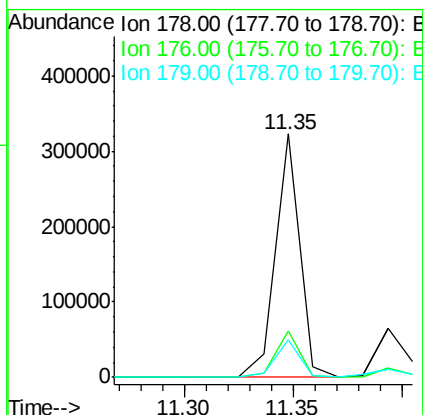
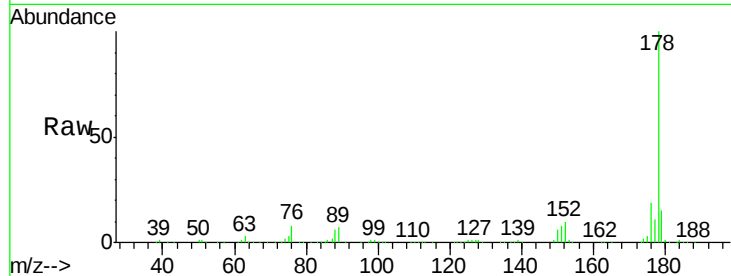
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Phenanthrene
Concen: 11.57 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087873.D
Acq: 10 Jun 2016 14:32

Instrument :
BNA_F
ClientSampleId :
SS-52

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.3	13.0	19.4

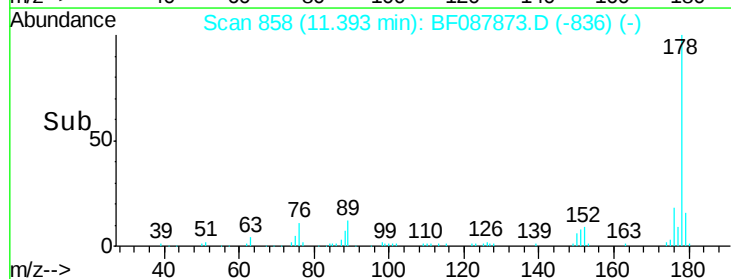
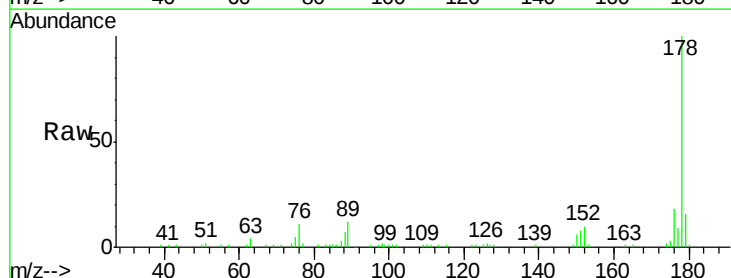
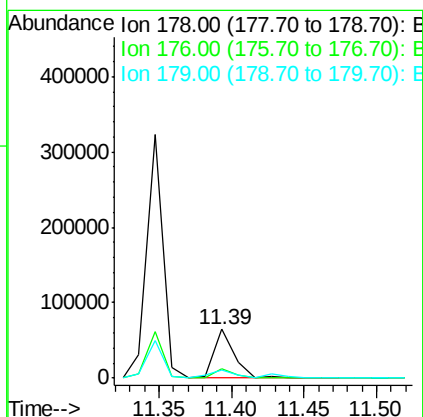
Manual Integrations
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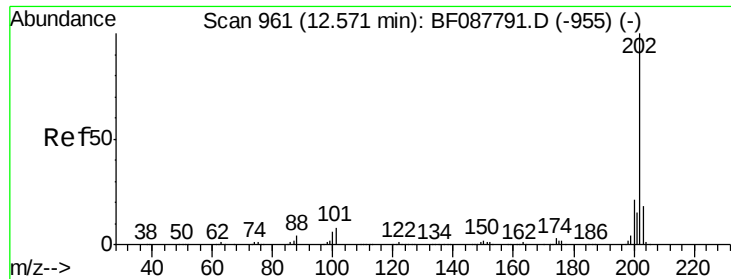
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#71
Anthracene
Concen: 2.81 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.05 min
Lab File: BF087873.D
Acq: 10 Jun 2016 14:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	15.7	12.8	19.2





#74

Fluoranthene

Concen: 13.15 ng

RT: 12.52 min Scan# 957

Delta R.T. -0.05 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Instrument :

BNA_F

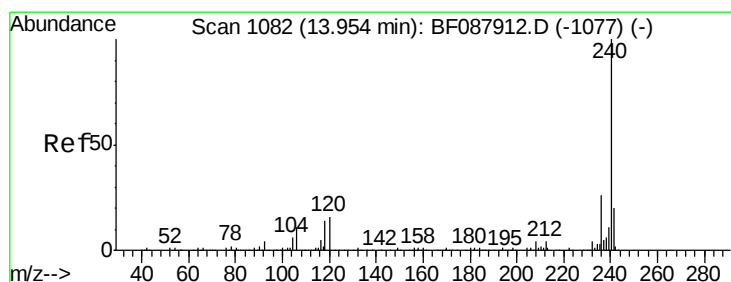
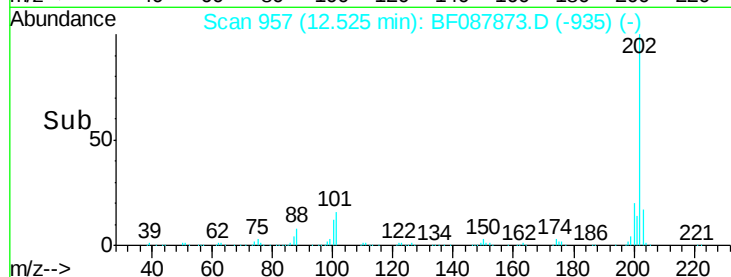
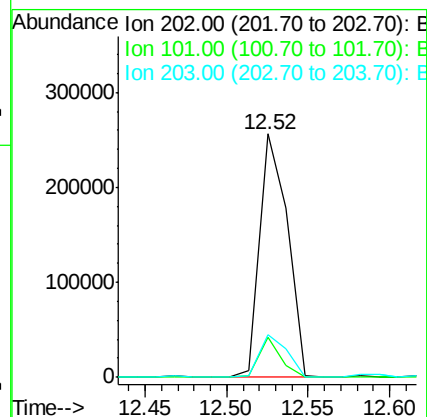
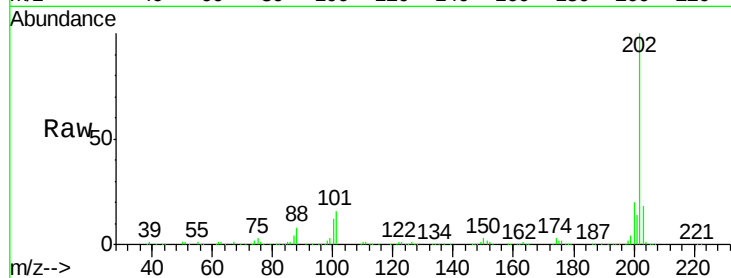
ClientSampleId :

SS-52

Tot Ion	Ratio	Resp	Lower	Upper
202	100	303446		
101	16.3	0.0	33.1	
203	17.6	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

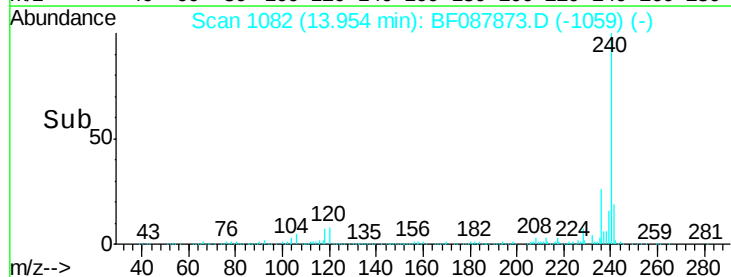
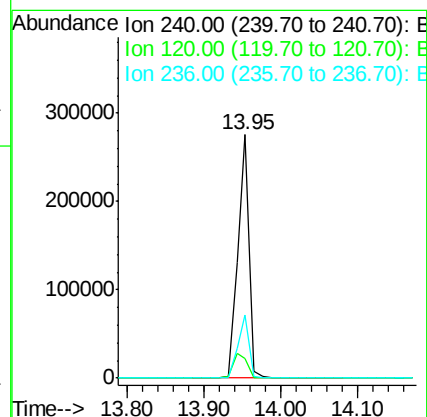
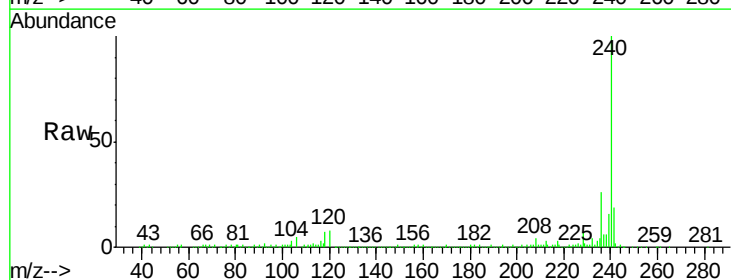
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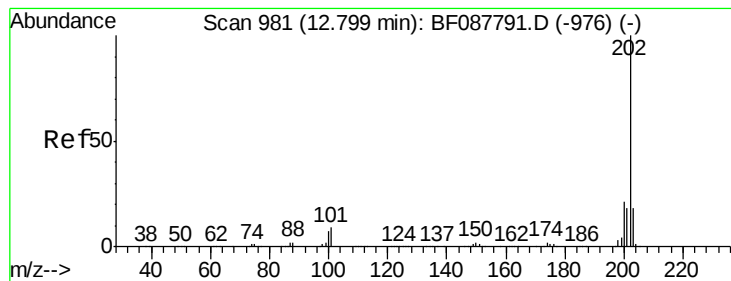
Delta R.T. -0.03 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	290258		
120	8.1	6.8	10.2	
236	25.8	20.2	30.2	





#77

Pvrene

Concen: 12.91 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Instrument :

BNA_F

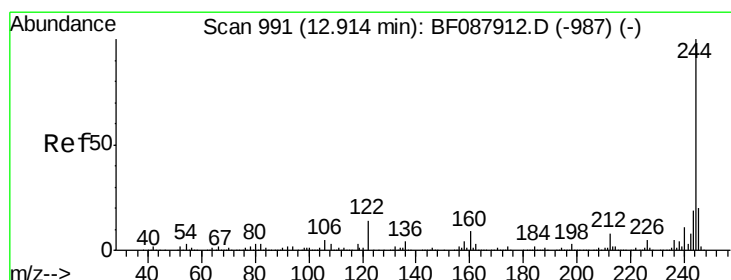
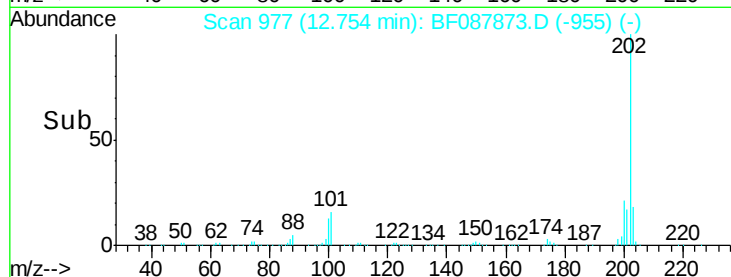
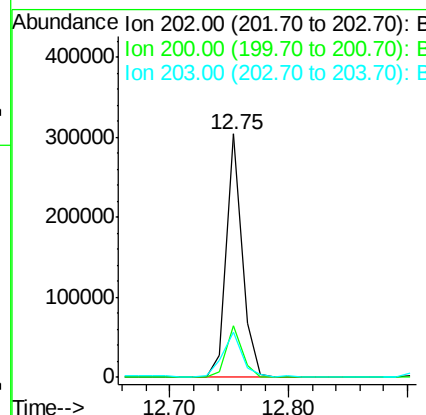
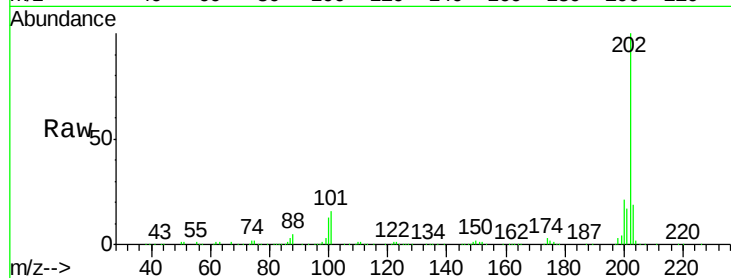
ClientSampleId :

SS-52

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		278080		
200	21.1	17.4	26.2		
203	18.5	14.5	21.7		

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#78

Terphenyl-d14

Concen: 25.97 ng

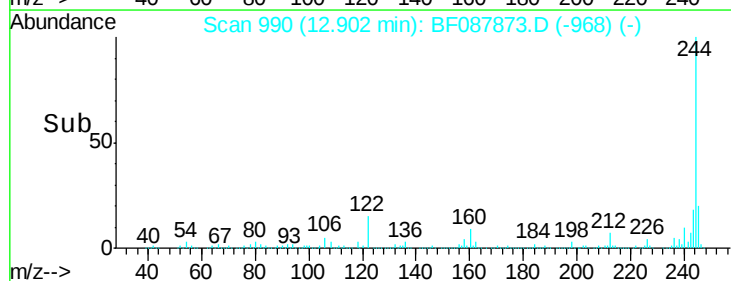
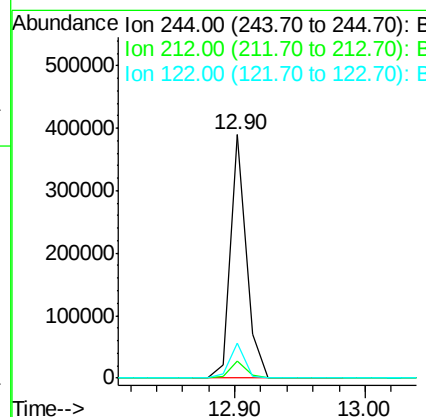
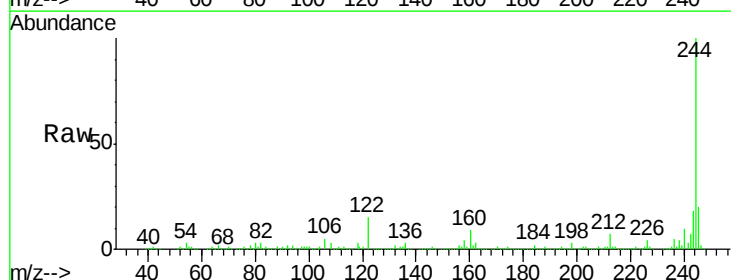
RT: 12.90 min Scan# 990

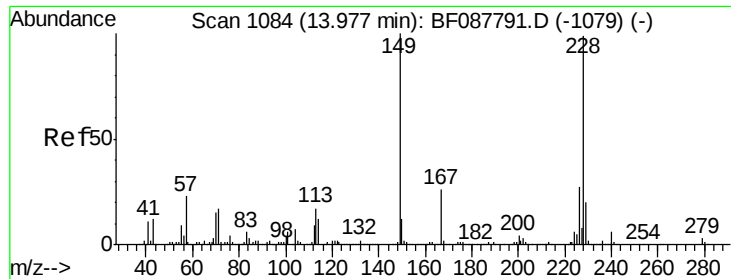
Delta R.T. -0.05 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		331252		
212	7.2	6.0	9.0		
122	14.6	11.2	16.8		





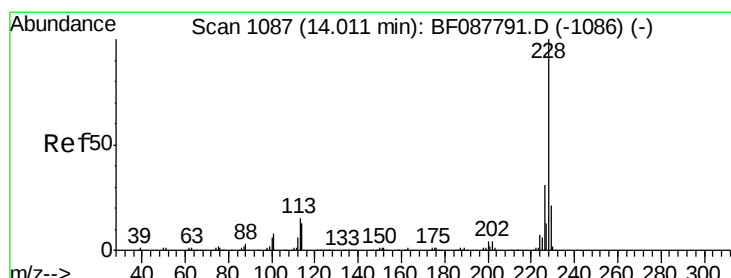
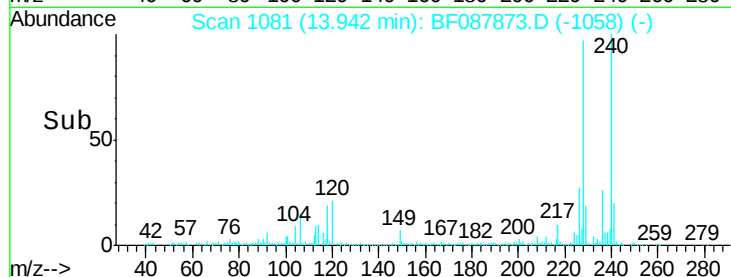
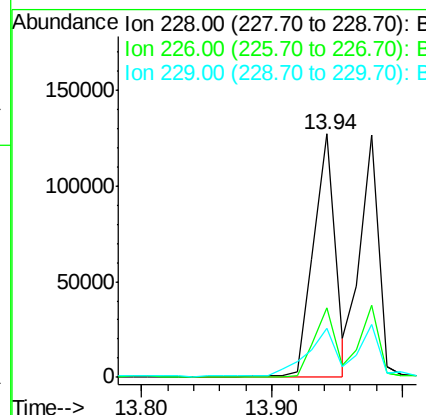
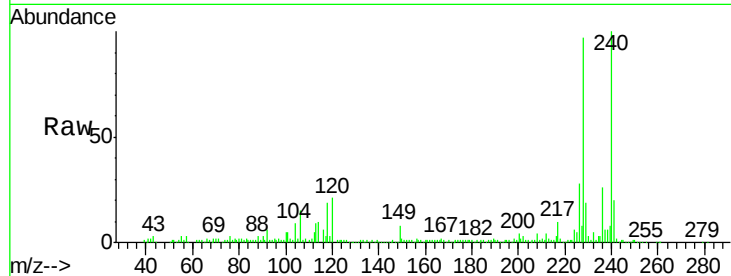
#80
Benzo(a)anthracene
Concen: 8.94 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.03 min
Lab File: BF087873.D
Acq: 10 Jun 2016 14:32

Instrument :
BNA_F
ClientSampleId :
SS-52

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.3	33.5
229	20.0	16.0	24.0

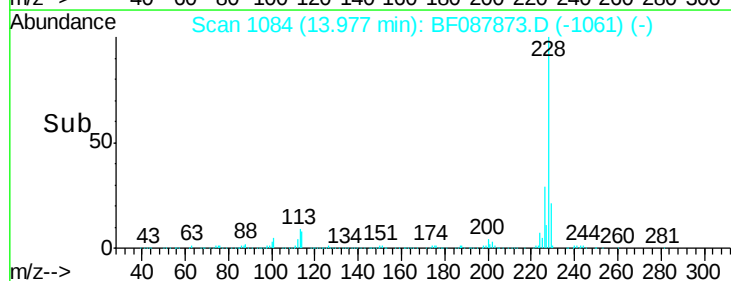
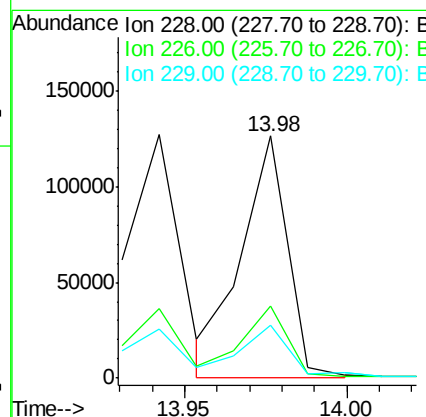
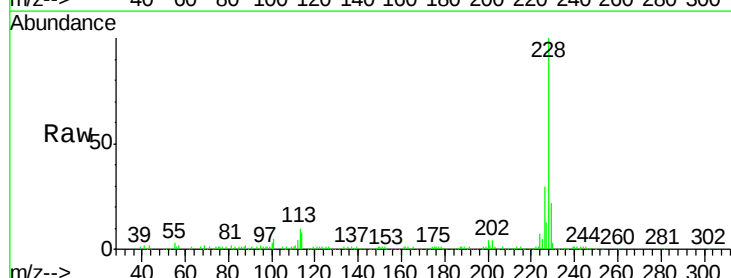
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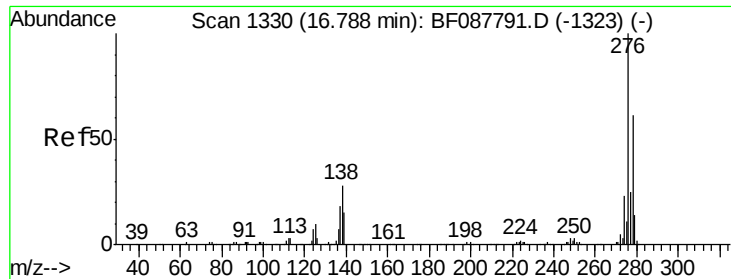
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#82
Chrysene
Concen: 8.02 ng m
RT: 13.98 min Scan# 1084
Delta R.T. -0.03 min
Lab File: BF087873.D
Acq: 10 Jun 2016 14:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.4	38.2
229	21.8	16.3	24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.69 ng

RT: 16.71 min Scan# 1323

Delta R.T. -0.08 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Instrument :

BNA_F

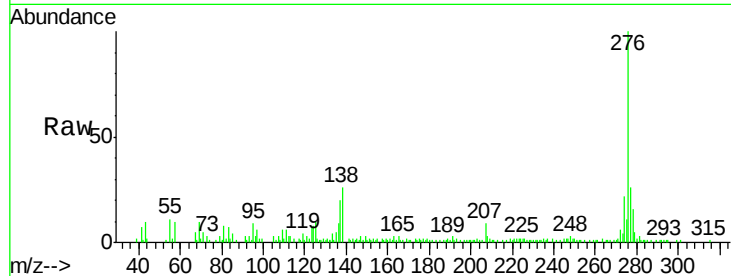
ClientSampled :

SS-52

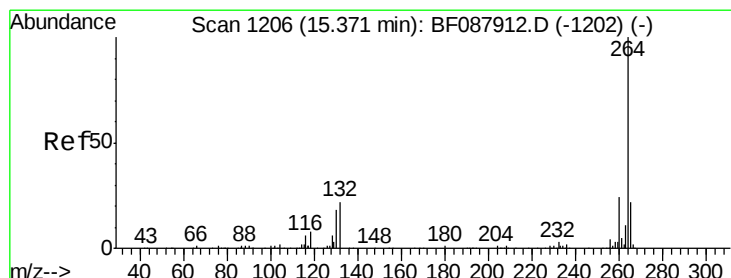
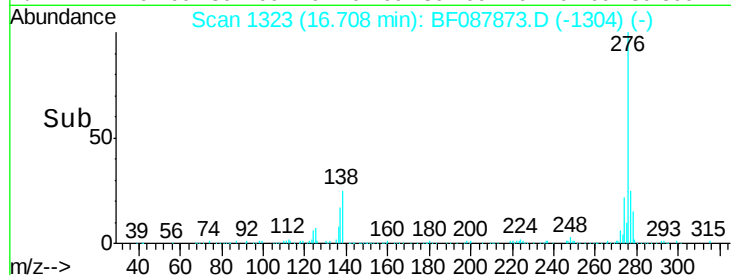
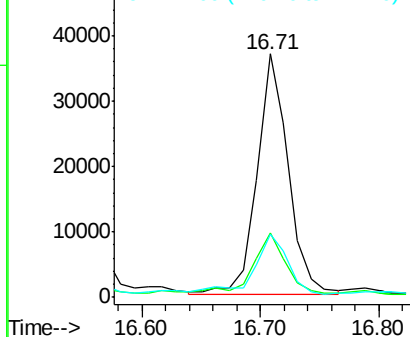
Tot Ion:	276	Resp:	67852
Ion Ratio	Lower	Upper	
276	100		
138	28.3	0.0	0.0#
277	29.2	0.0	0.0#

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

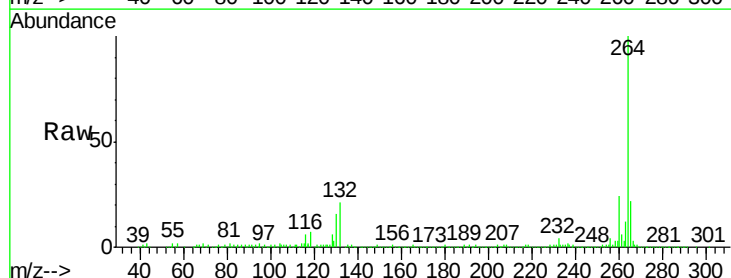
RT: 15.36 min Scan# 1205

Delta R.T. -0.03 min

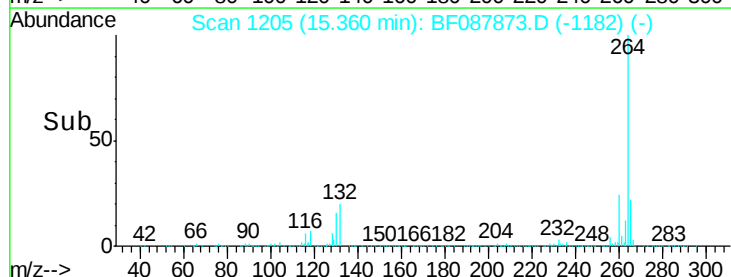
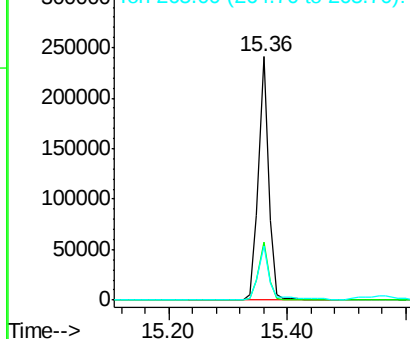
Lab File: BF087873.D

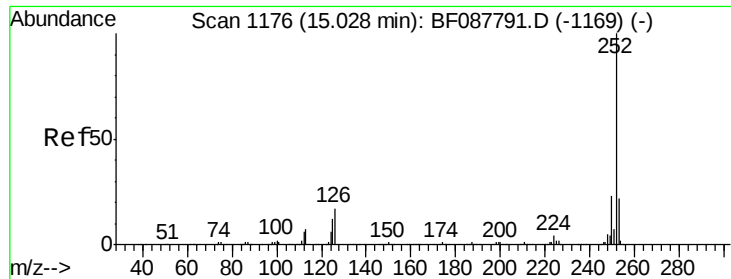
Acq: 10 Jun 2016 14:32

Tgt Ion:	264	Resp:	292998
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	22.4	16.9	25.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.21 ng m

RT: 14.96 min Scan# 1170

Delta R.T. -0.03 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Instrument :

BNA_F

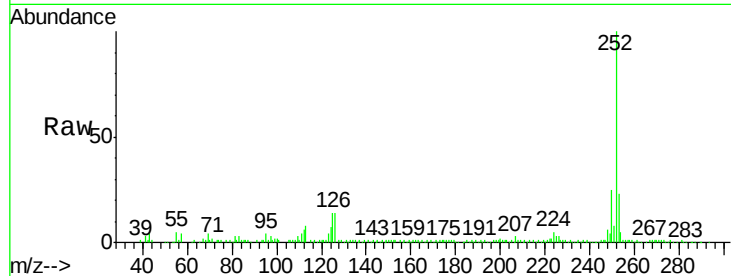
ClientSampled :

SS-52

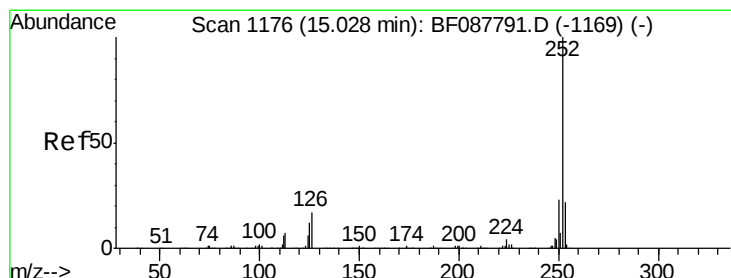
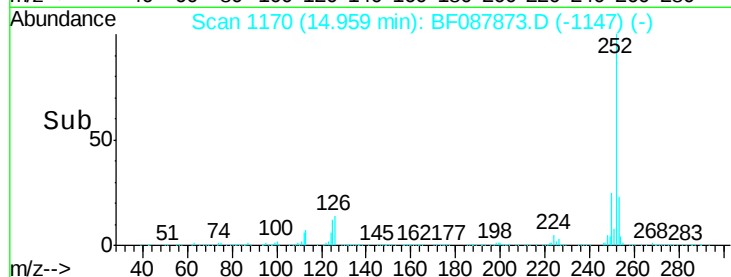
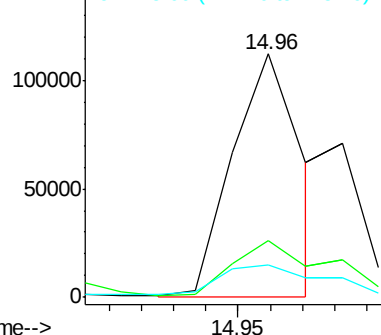
Tot Ion:	252	Resp:	167607
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.2
125	13.5	7.1	10.7#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.93 ng m

RT: 14.98 min Scan# 1172

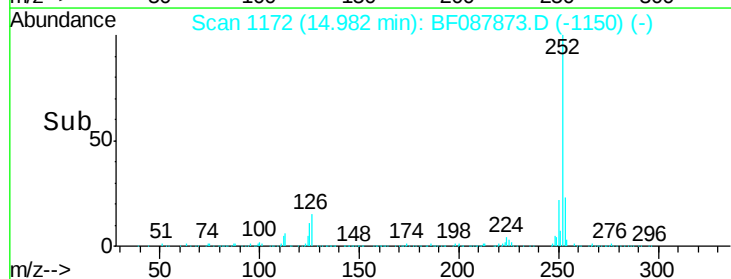
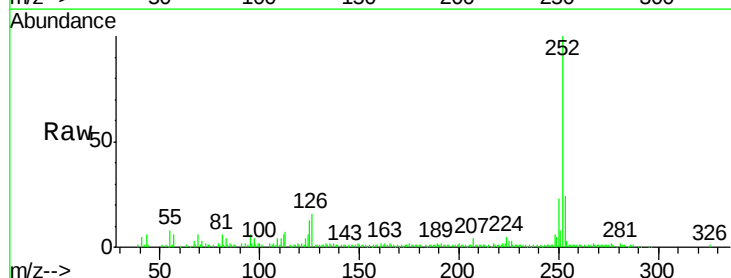
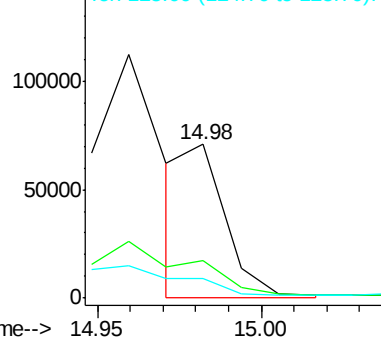
Delta R.T. -0.05 min

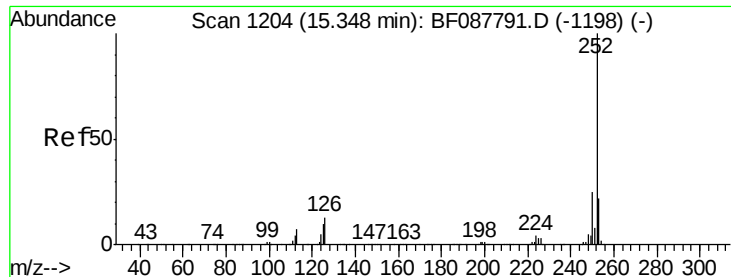
Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Tgt Ion:	252	Resp:	60589
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.0	27.0
125	12.6	11.2	16.8

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





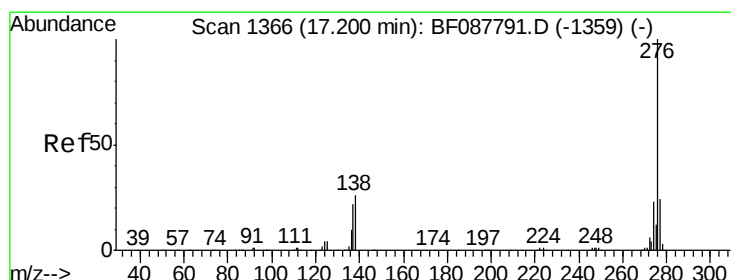
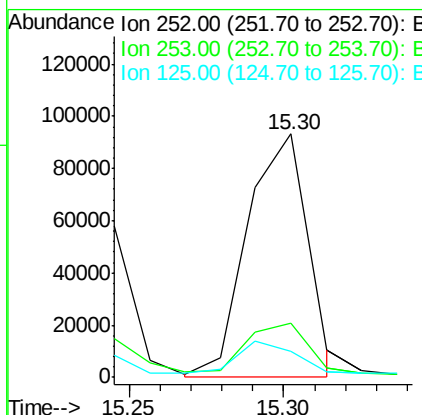
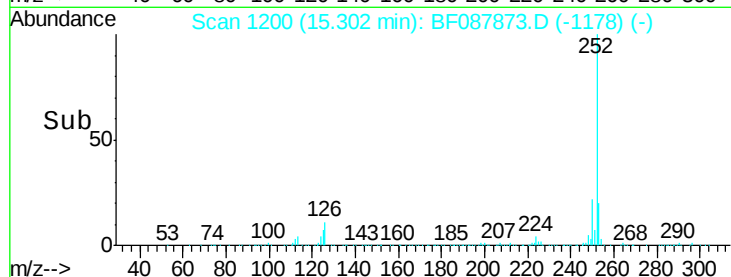
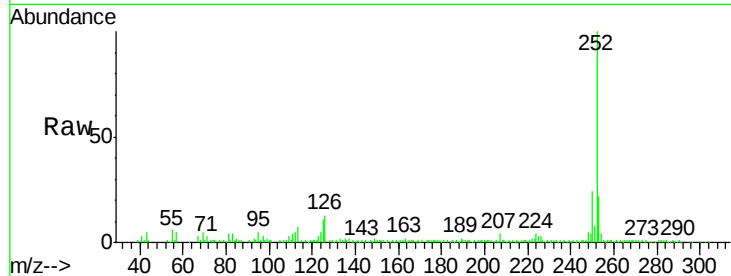
#89
Benzo(a)pyrene
Concen: 7.65 ng/ml
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087873.D
Acq: 10 Jun 2016 14:32

Instrument :
BNA_F
ClientSampleId :
SS-52

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	10.7	12.5	18.7

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.85 ng/ml
RT: 17.12 min Scan# 1359
Delta R.T. -0.08 min
Lab File: BF087873.D
Acq: 10 Jun 2016 14:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	25.7	21.4	32.2

