

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
 Data File : BF087885.D
 Acq On : 10 Jun 2016 20:19
 Operator : UM/SJ
 Sample : H3395-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-938-PLATFORM(0-4)

Manual Integrations
 APPROVED

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 6/13/2016 7:11:20 PM

Quant Time: Jun 11 02:21:51 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	111903	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	473526	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	203706	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	303930	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	251424	20.00	ng	-0.03
86) Perylene-d12	15.36	264	211966	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	805380	123.04	ng	-0.01
7) Phenol-d6	6.46	99	1061505	133.81	ng	-0.02
23) Nitrobenzene-d5	7.38	82	633312	78.10	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	196711	91.45	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	930511	70.84	ng	-0.03
78) Terphenyl-d14	12.91	244	636631	57.62	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	9.70	152	44656	2.13	ng	99
49) Dimethylphthalate	9.56	163	109621	7.43	ng	99
70) Phenanthrene	11.35	178	101751	6.38	ng	97
71) Anthracene	11.39	178	39231	2.44	ng	99
74) Fluoranthene	12.54	202	338337	20.10	ng	94
77) Pyrene	12.75	202	306570	16.43	ng	98
80) Benzo(a)anthracene	13.94	228	190416	13.29	ng	# 93
82) Chrysene	13.98	228	197667m	14.66	ng	
85) Indeno(1,2,3-cd)pyrene	16.71	276	69548	5.55	ng	# 100
87) Benzo(b)fluoranthene	14.96	252	231322m	15.66	ng	
88) Benzo(k)fluoranthene	14.97	252	97414m	8.74	ng	
89) Benzo(a)pyrene	15.30	252	137234m	11.48	ng	
91) Benzo(a,h,i)perylene	17.12	276	61049	5.35	ng	98

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

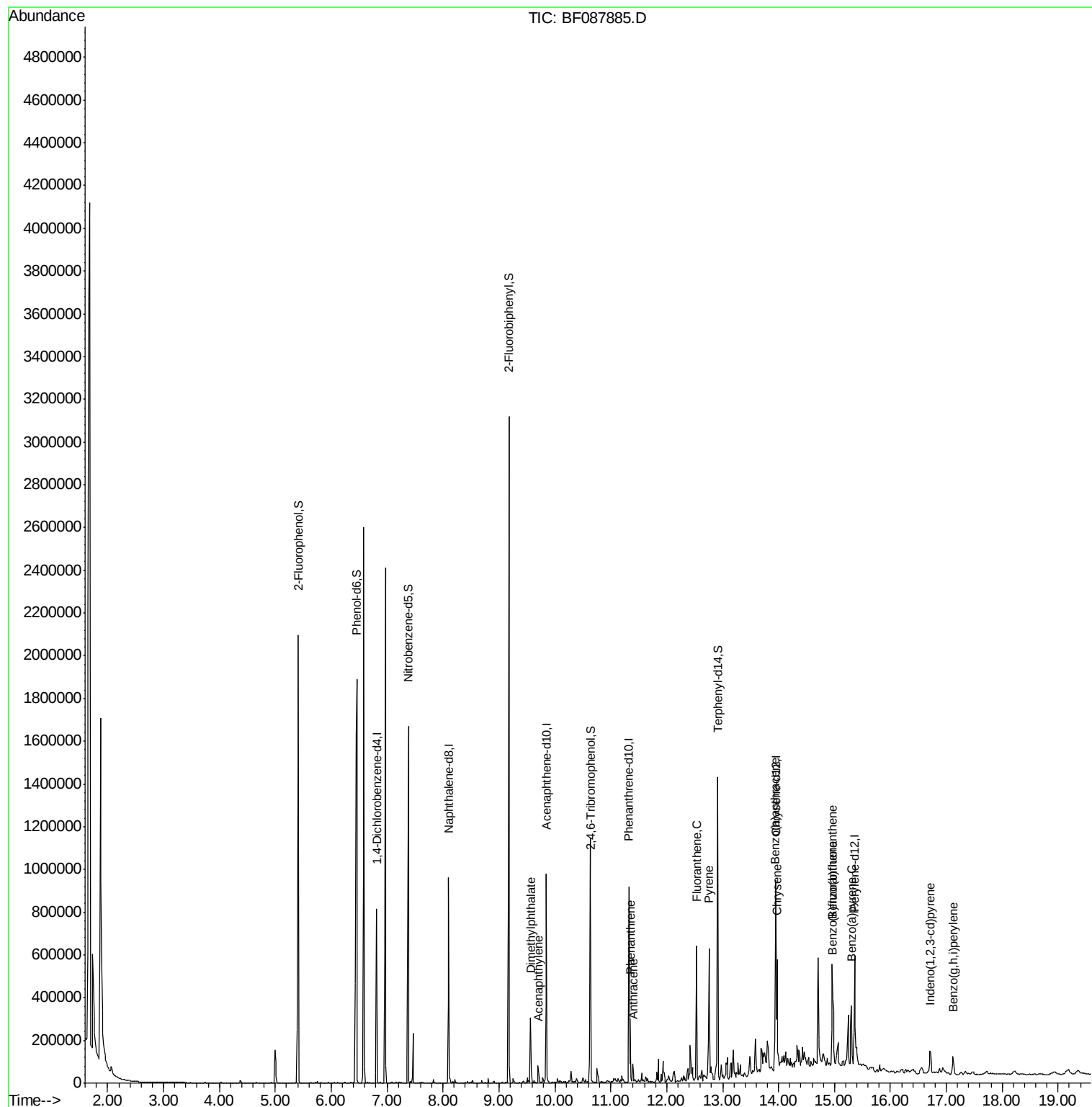
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
Data File : BF087885.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

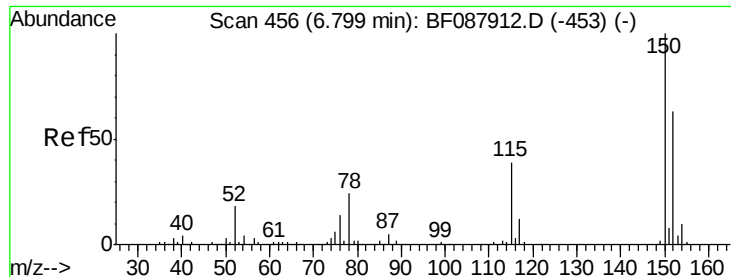
Instrument :
BNA_F
ClientSampleId :
STA-938-PLATFORM(0-4)

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#1

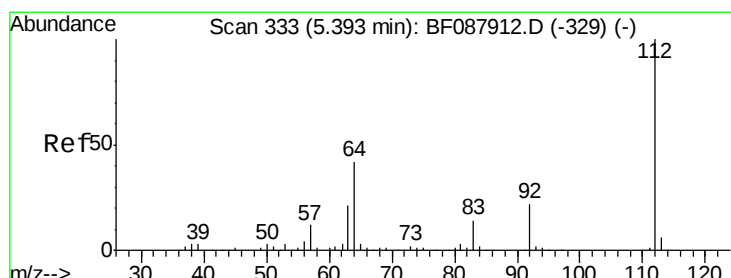
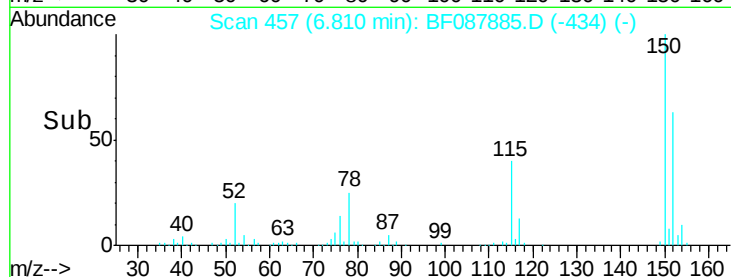
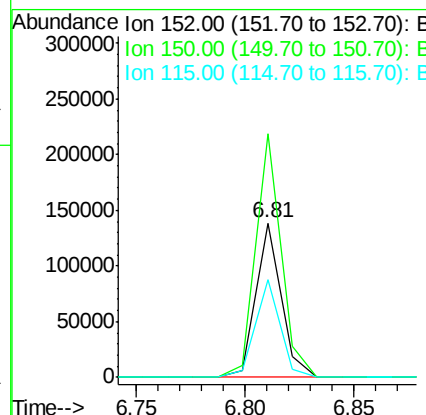
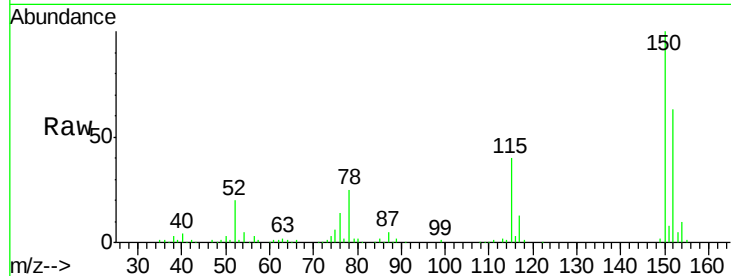
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF087885.D
Acq: 10 Jun 2016 20:19

Instrument :
BNA_F
ClientSampleId :
STA-938-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	123.8	185.6
115	63.1	39.6	59.4

Manual Integrations
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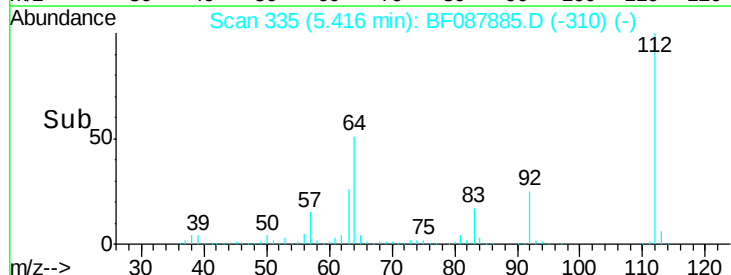
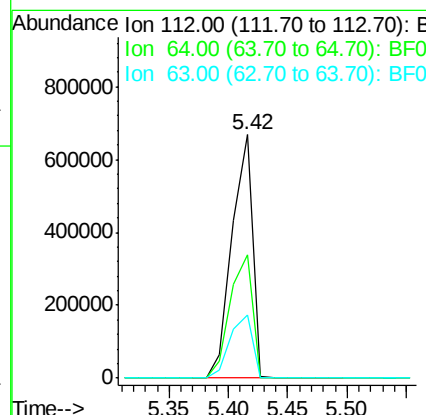
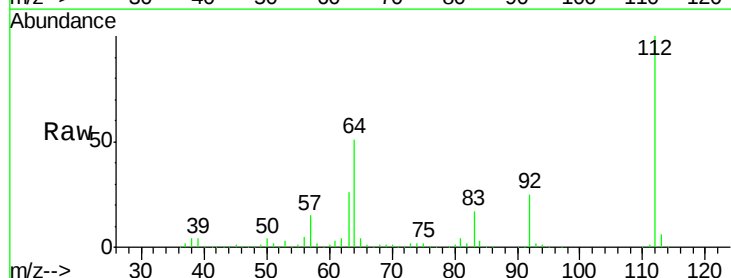
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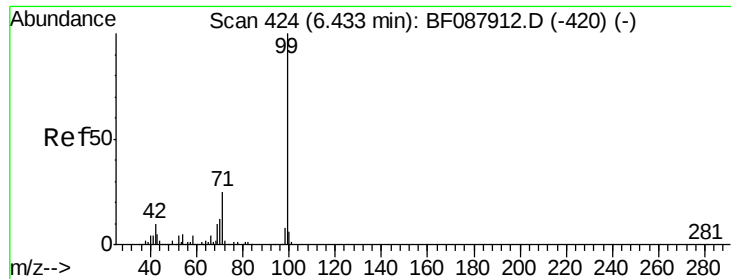


#5

2-Fluorophenol
Concen: 123.04 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087885.D
Acq: 10 Jun 2016 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	42.2	63.2
63	26.1	21.8	32.8





#7

Phenol-d6

Concen: 133.81 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087885.D

Acq: 10 Jun 2016 20:19

Instrument :

BNA_F

ClientSampleId :

STA-938-PLATFORM(0-4)

Tot Ion: 99 Resp: 1061505

Ion Ratio Lower Upper

99 100

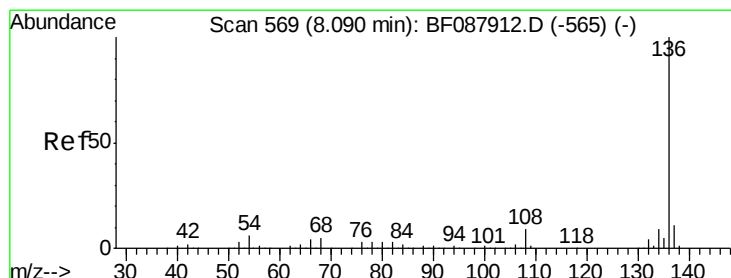
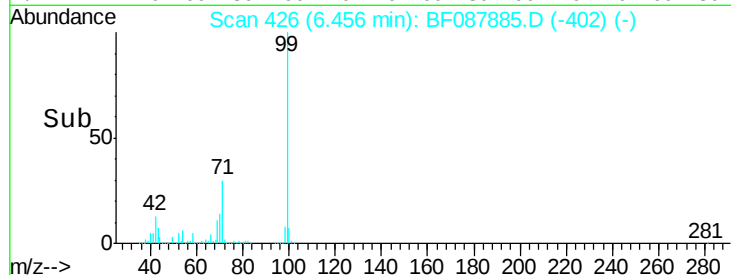
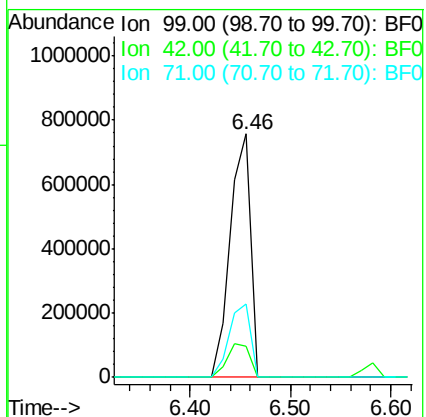
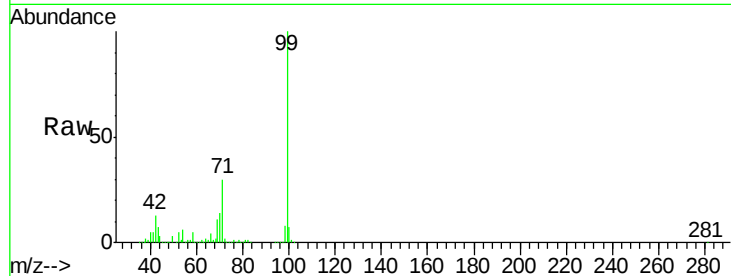
42 13.0 12.2 18.2

71 30.0 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: BF087885.D

Acq: 10 Jun 2016 20:19

Tgt Ion: 136 Resp: 473526

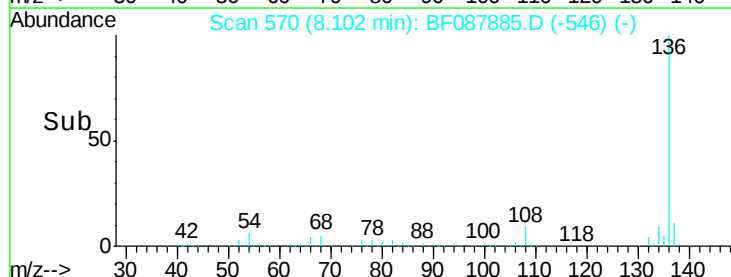
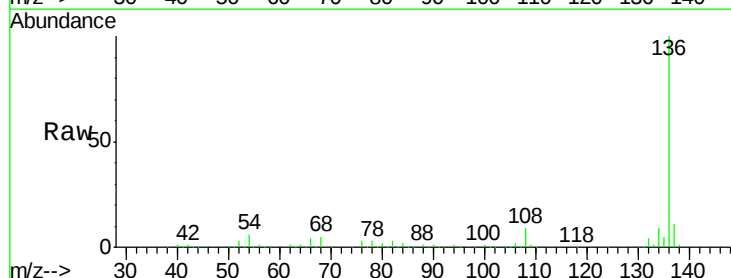
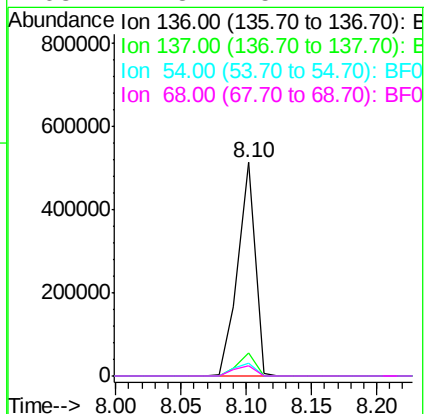
Ion Ratio Lower Upper

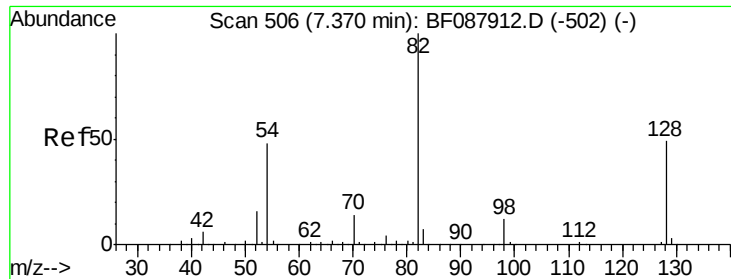
136 100

137 10.8 9.1 13.7

54 5.7 6.6 10.0#

68 4.8 5.1 7.7#





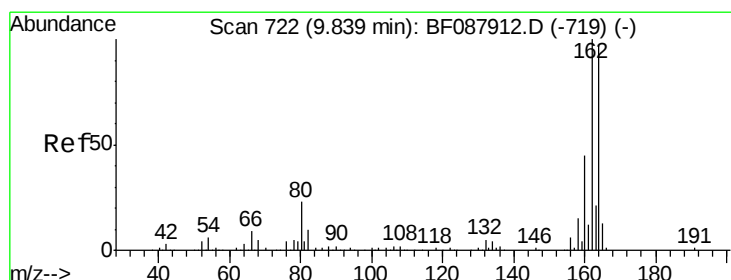
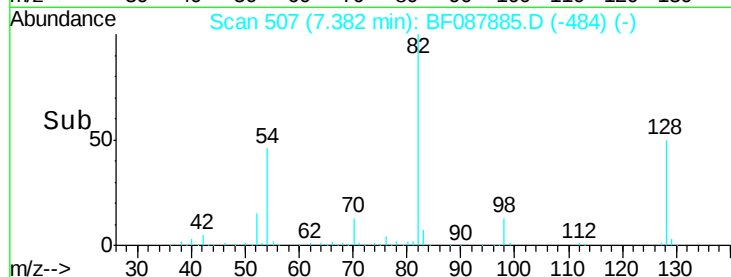
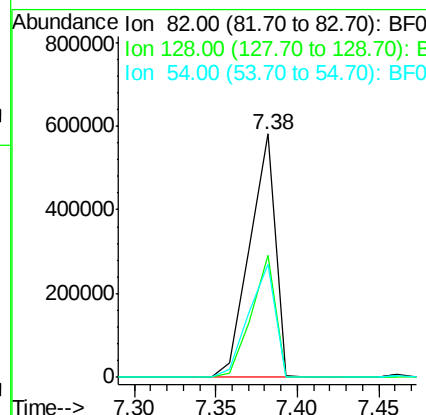
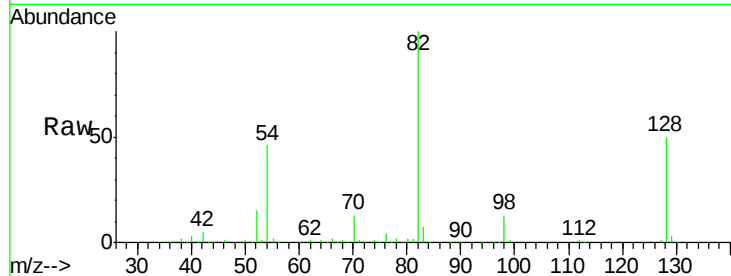
#23
Nitrobenzene-d5
Concen: 78.10 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087885.D
Acq: 10 Jun 2016 20:19

Instrument :
BNA_F
ClientSampleId :
STA-938-PLATFORM(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	50.0	35.9	53.9	
54	46.5	40.9	61.3	

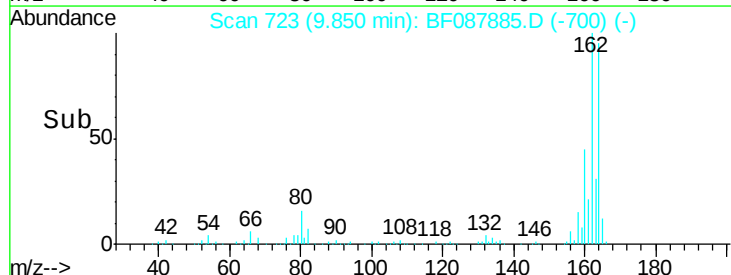
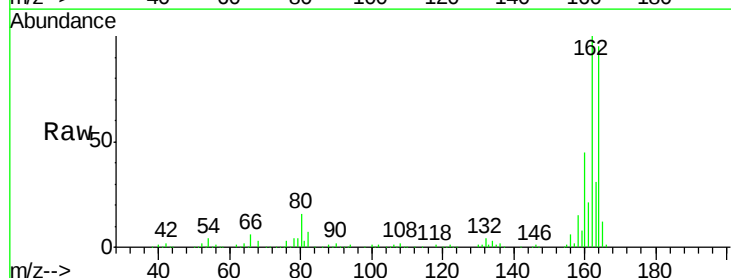
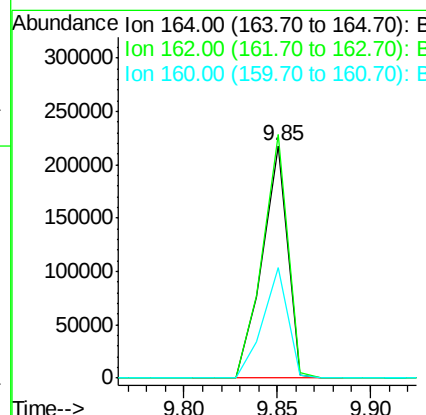
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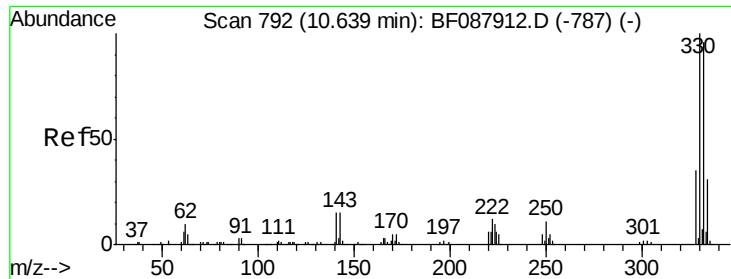
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF087885.D
Acq: 10 Jun 2016 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.9	85.4	128.2	
160	47.7	39.5	59.3	





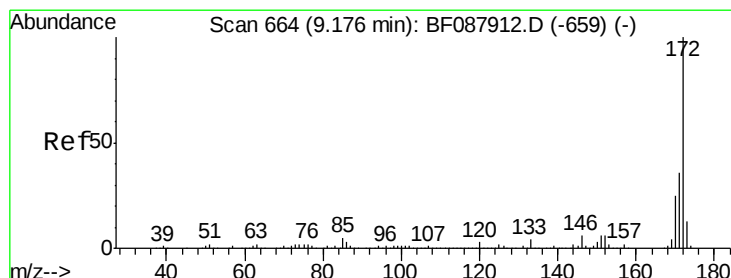
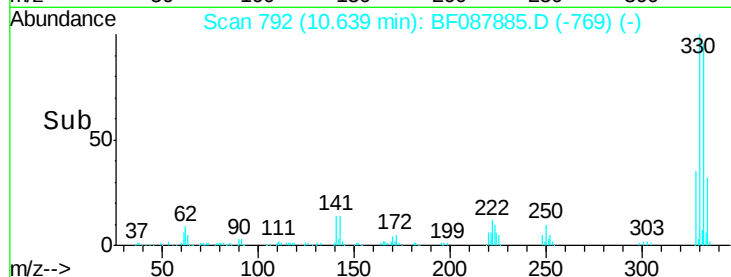
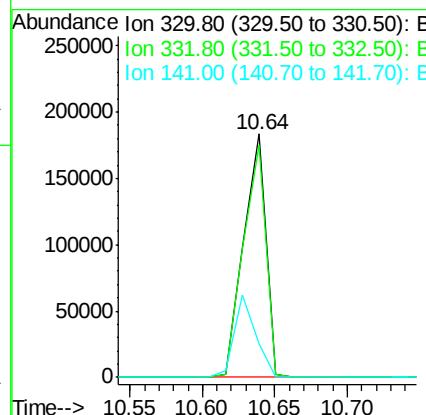
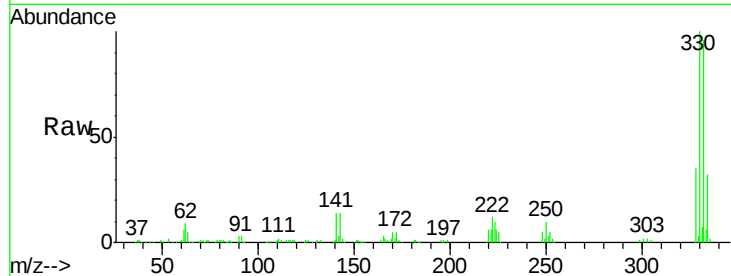
#41
 2,4,6-Tribromophenol
 Concen: 91.45 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087885.D
 Acq: 10 Jun 2016 20:19

Instrument :
 BNA_F
 ClientSampleId :
 STA-938-PLATFORM(0-4)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	32.8	0.0	0.0#

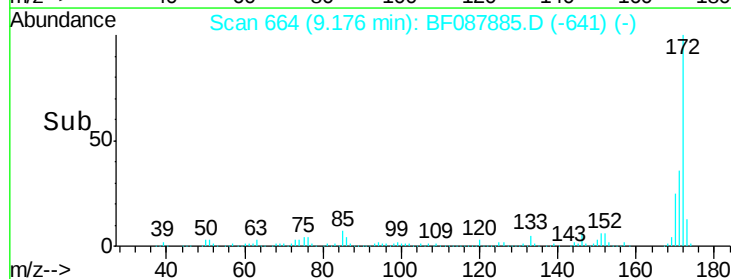
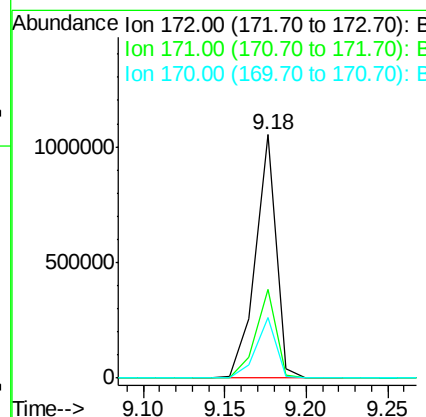
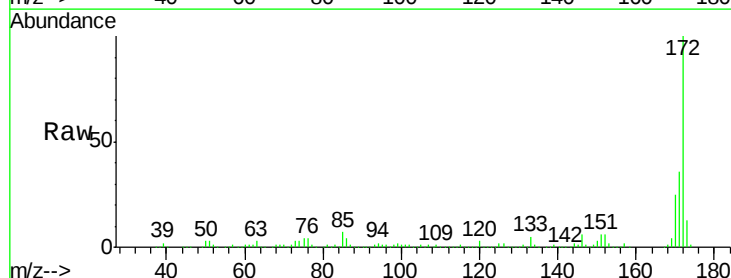
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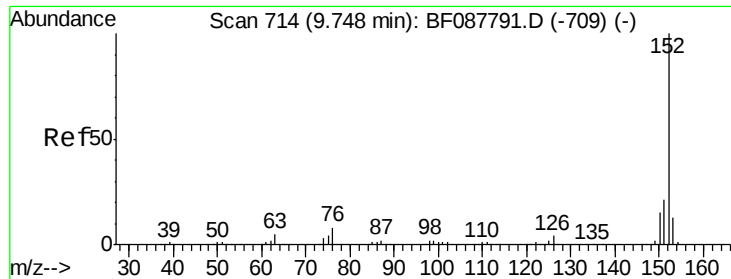
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#44
 2-Fluorobiphenyl
 Concen: 70.84 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087885.D
 Acq: 10 Jun 2016 20:19

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.3	28.6	43.0
170	24.7	19.2	28.8





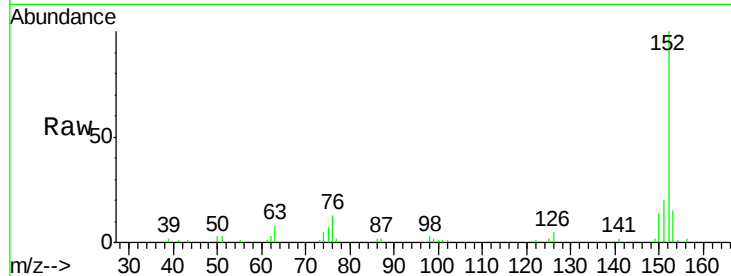
#48
Acenaphthylene
Concen: 2.13 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.05 min
Lab File: BF087885.D
Acq: 10 Jun 2016 20:19

Instrument :
BNA_F
ClientSampleId :
STA-938-PLATFORM(0-4)

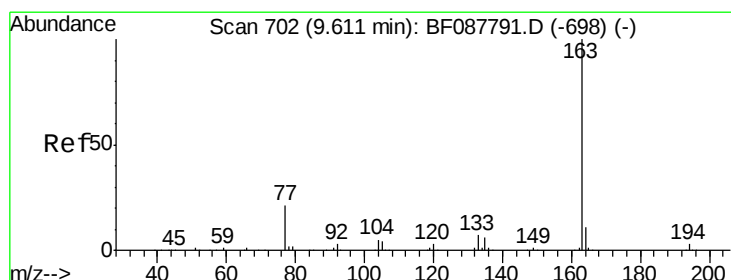
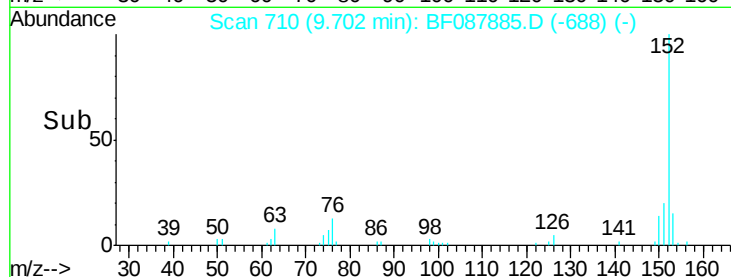
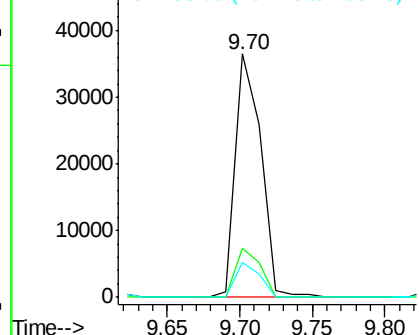
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.4
153	14.5	11.0	16.6

Manual Integrations
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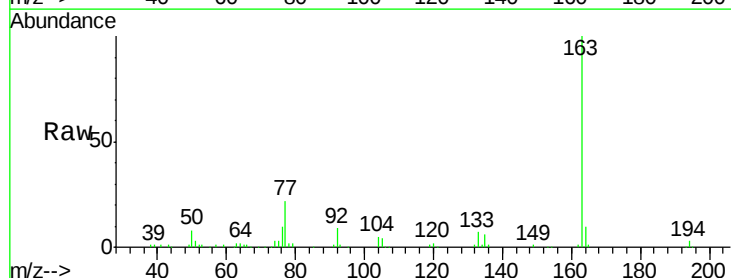


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

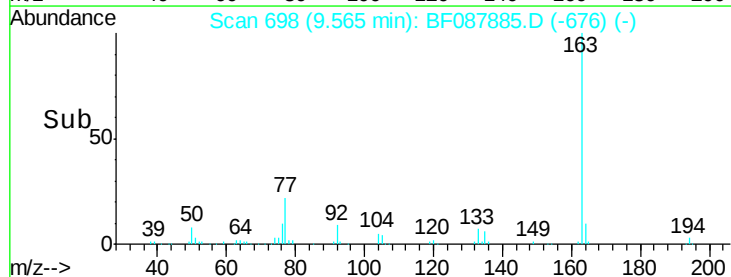
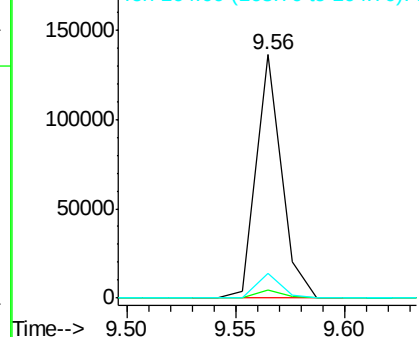


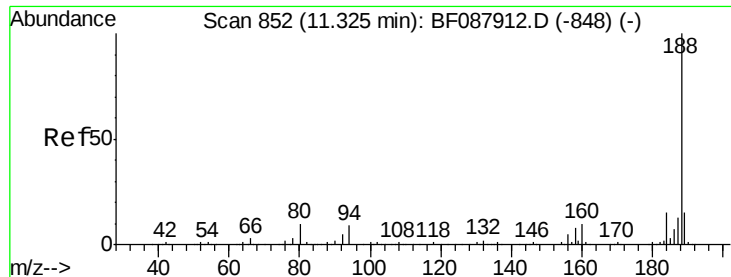
#49
Dimethylphthalate
Concen: 7.43 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF087885.D
Acq: 10 Jun 2016 20:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	10.1	8.3	12.5



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: BF087885.D

Acq: 10 Jun 2016 20:19

Instrument :

BNA_F

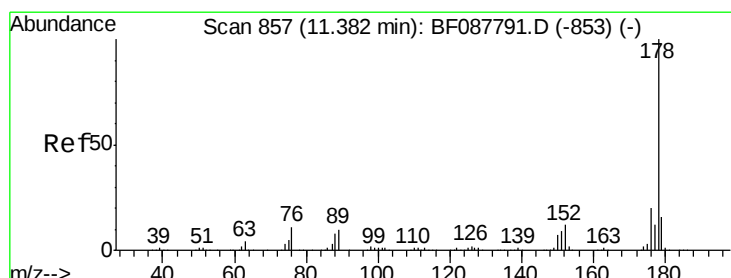
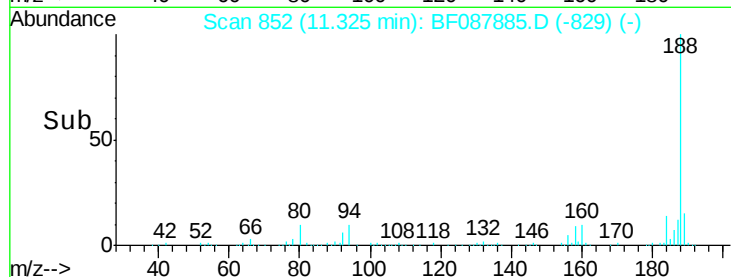
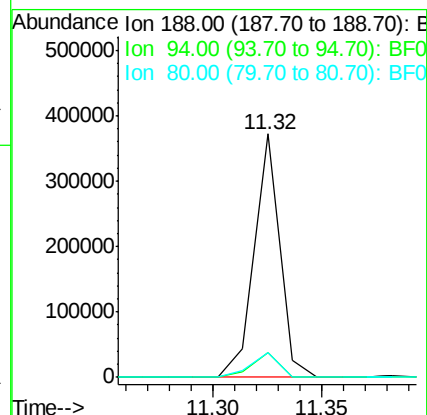
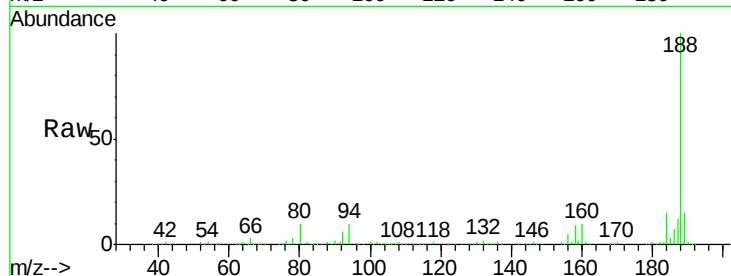
ClientSampleId :

STA-938-PLATFORM(0-4)

Tot Ion:	188	Resp:	303930
Ion Ratio	Lower	Upper	
188	100		
94	10.0	9.0	13.6
80	10.3	10.0	15.0

Manual Integrations
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#70

Phenanthrene

Concen: 6.38 ng

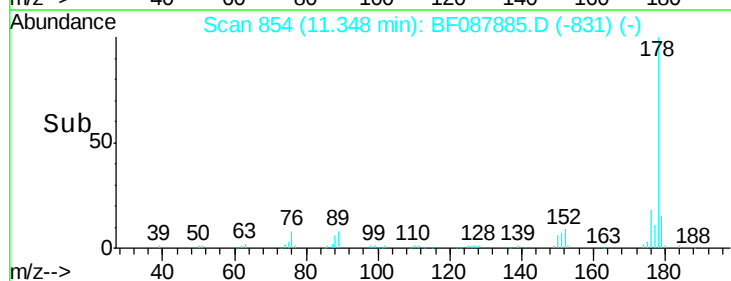
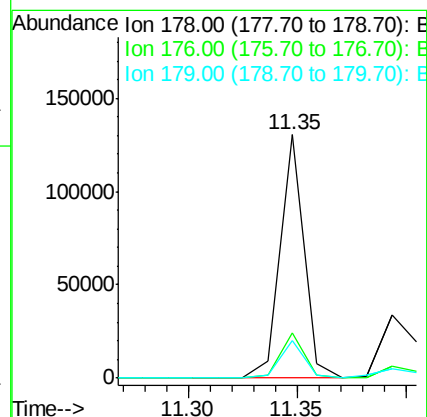
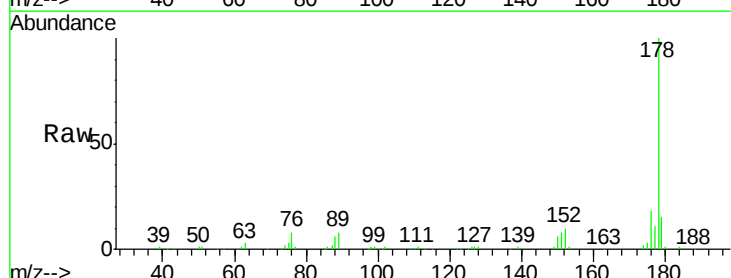
RT: 11.35 min Scan# 854

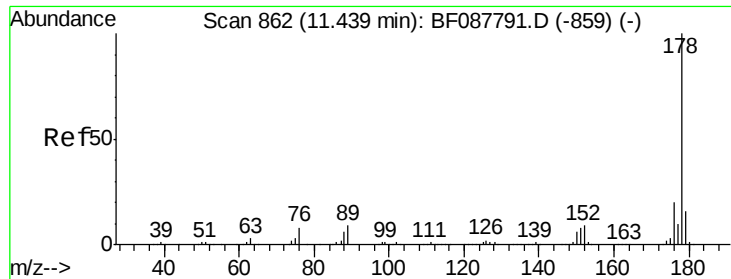
Delta R.T. -0.03 min

Lab File: BF087885.D

Acq: 10 Jun 2016 20:19

Tgt Ion:	178	Resp:	101751
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.8	23.6
179	15.3	13.0	19.4





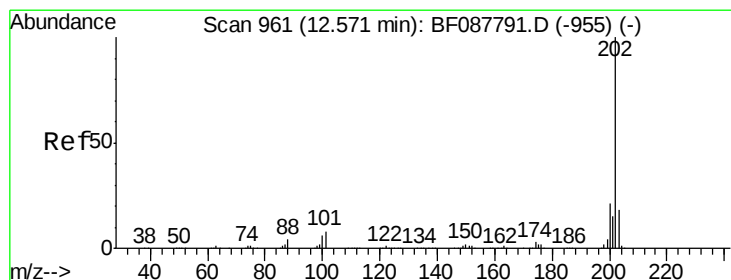
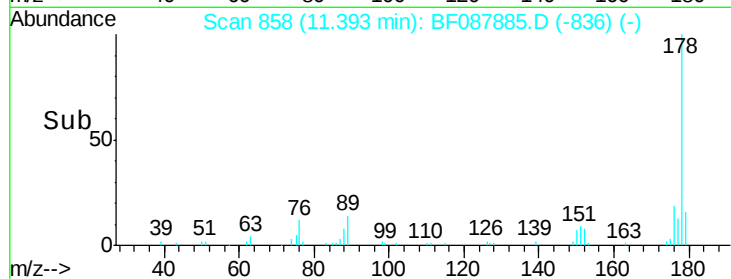
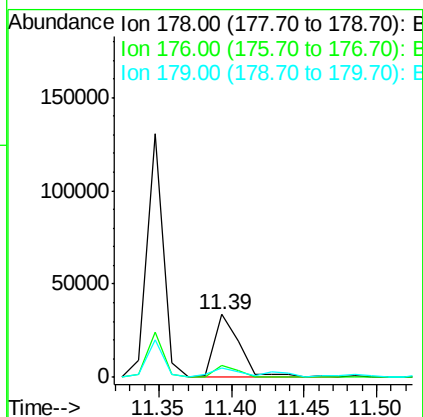
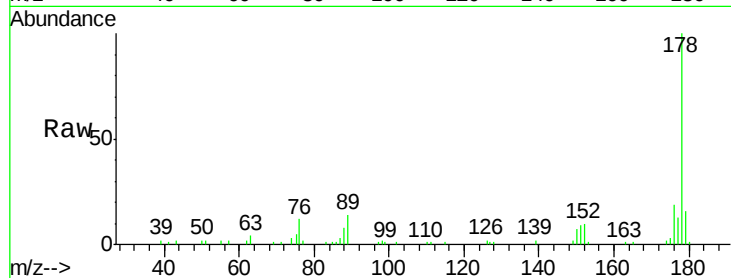
#71
 Anthracene
 Concen: 2.44 ng
 RT: 11.39 min Scan# 858
 Delta R.T. -0.05 min
 Lab File: BF087885.D
 Acq: 10 Jun 2016 20:19

Instrument :
 BNA_F
 ClientSampleId :
 STA-938-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.6	12.8	19.2

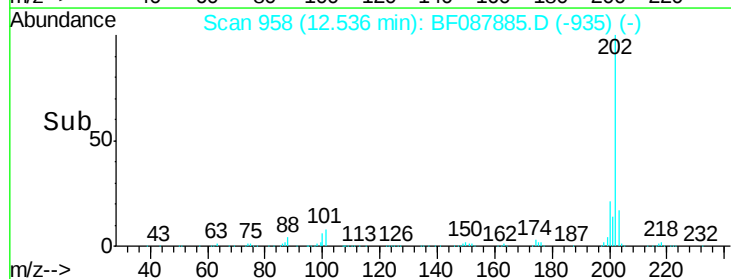
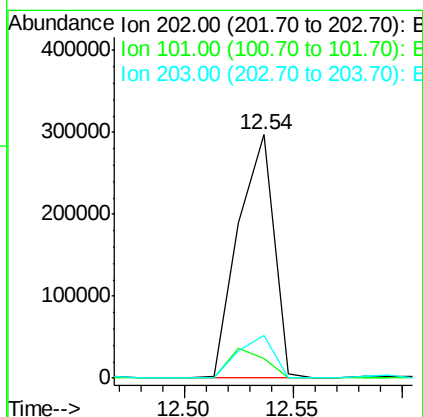
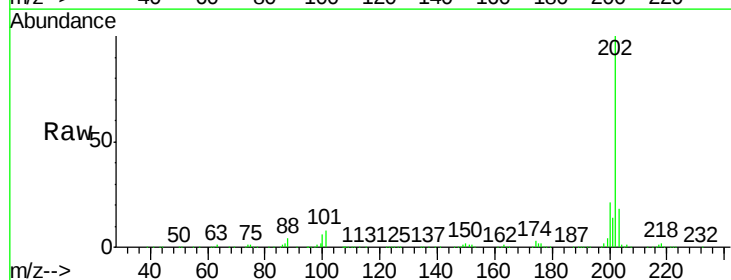
Manual Integrations
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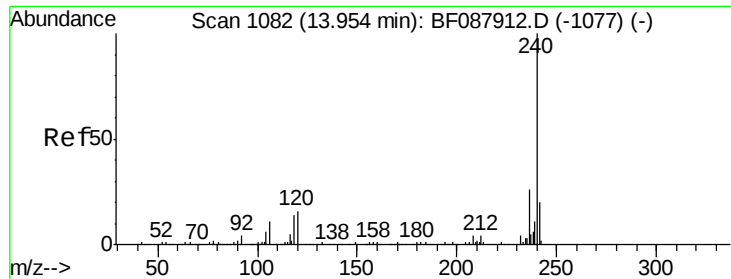
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#74
 Fluoranthene
 Concen: 20.10 ng
 RT: 12.54 min Scan# 958
 Delta R.T. -0.03 min
 Lab File: BF087885.D
 Acq: 10 Jun 2016 20:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	33.1
203	17.5	0.0	38.1





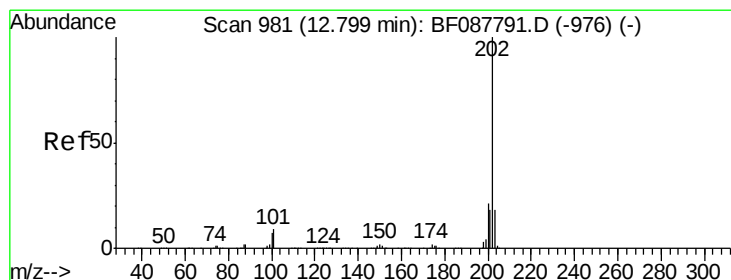
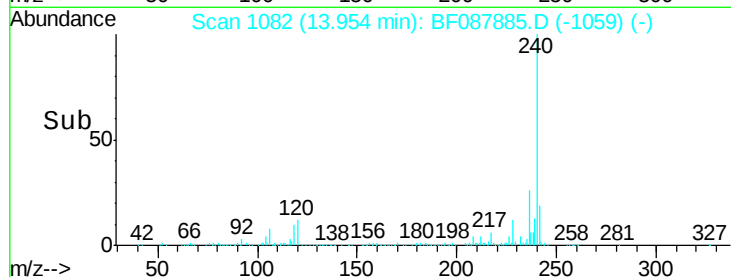
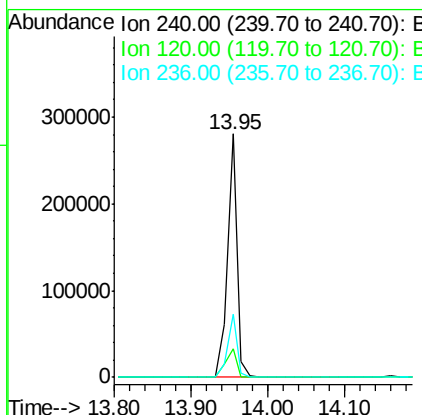
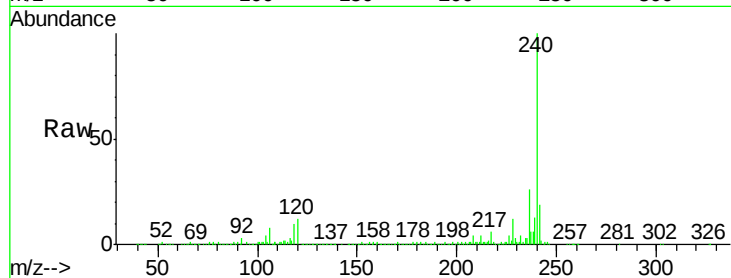
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.03 min
Lab File: BF087885.D
Acq: 10 Jun 2016 20:19

Instrument :
BNA_F
ClientSampleId :
STA-938-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	6.8	10.2#
236	25.7	20.2	30.2

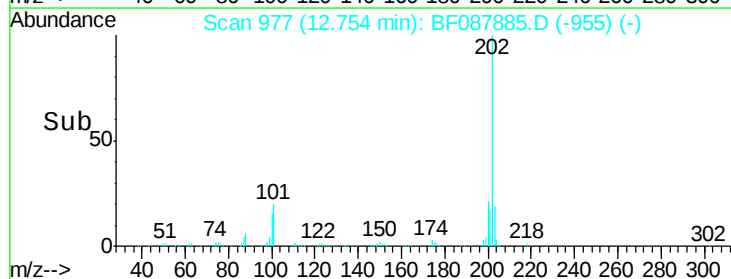
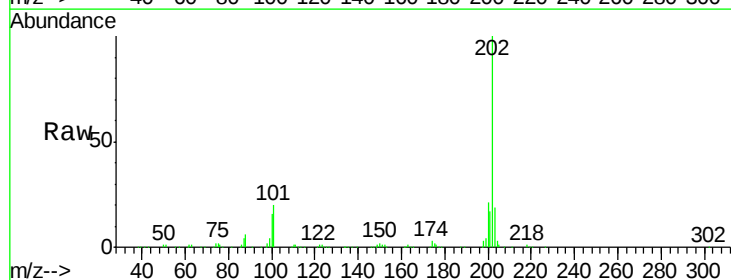
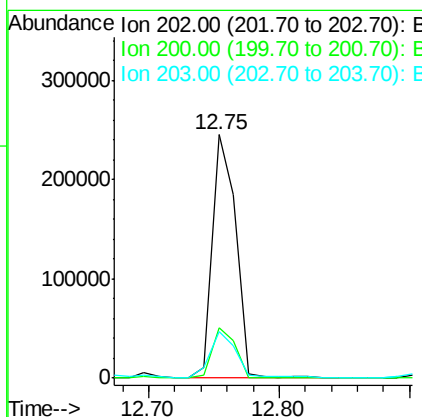
Manual Integrations
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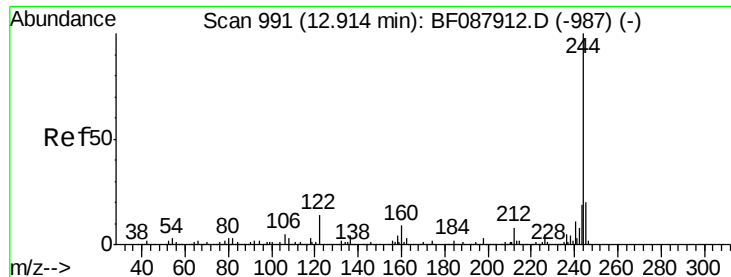
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#77
Pyrene
Concen: 16.43 ng
RT: 12.75 min Scan# 977
Delta R.T. -0.05 min
Lab File: BF087885.D
Acq: 10 Jun 2016 20:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	19.0	14.5	21.7





#78

Terphenyl-d14

Concen: 57.62 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087885.D

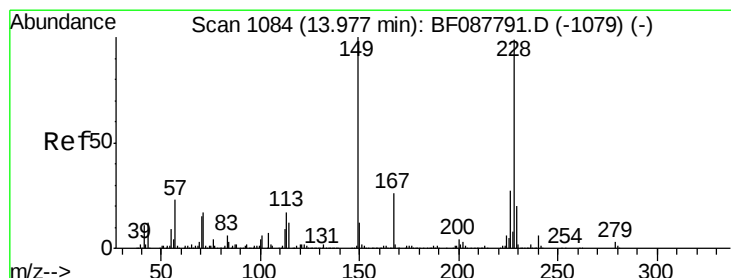
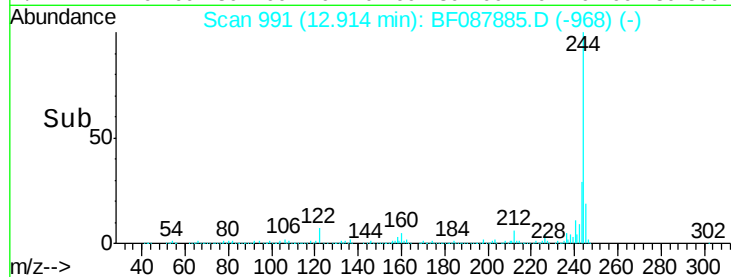
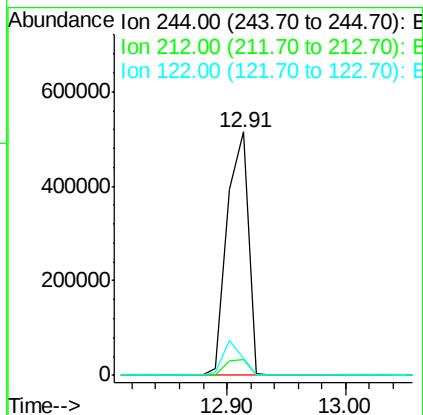
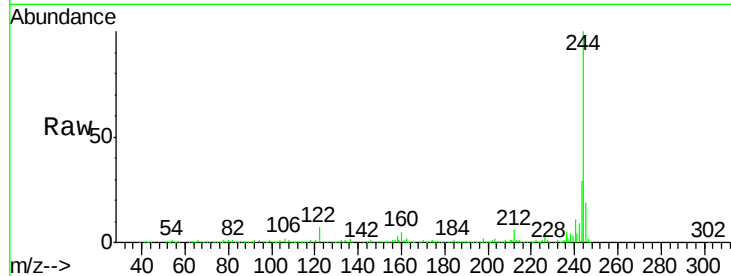
Acq: 10 Jun 2016 20:19

Instrument :
BNA_F
ClientSampleId :
STA-938-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.0	9.0
122	7.1	11.2	16.8#

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#80

Benzo(a)anthracene

Concen: 13.29 ng

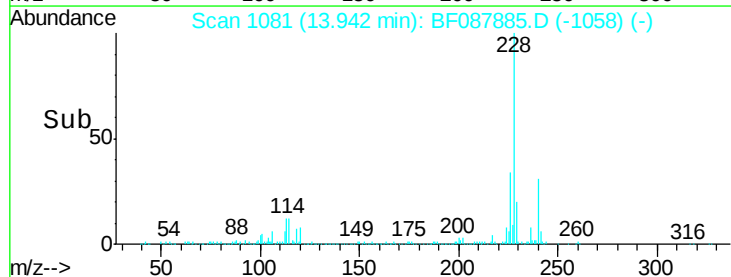
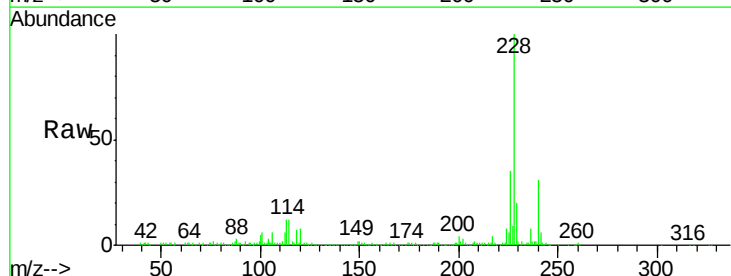
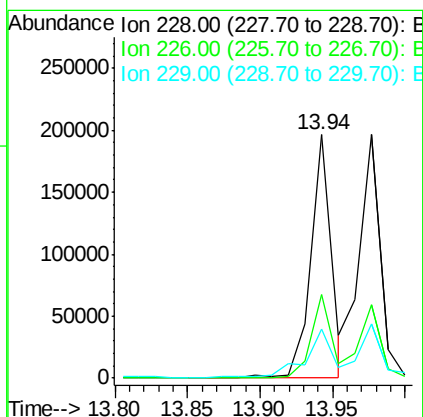
RT: 13.94 min Scan# 1081

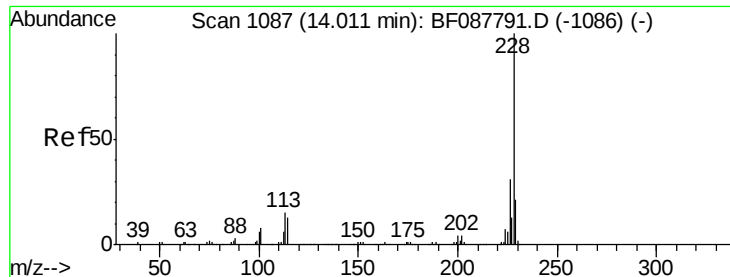
Delta R.T. -0.03 min

Lab File: BF087885.D

Acq: 10 Jun 2016 20:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.5	22.3	33.5#
229	20.0	16.0	24.0





#82

Chrysene

Concen: 14.66 ng/mL

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087885.D

Acq: 10 Jun 2016 20:19

Instrument :

BNA_F

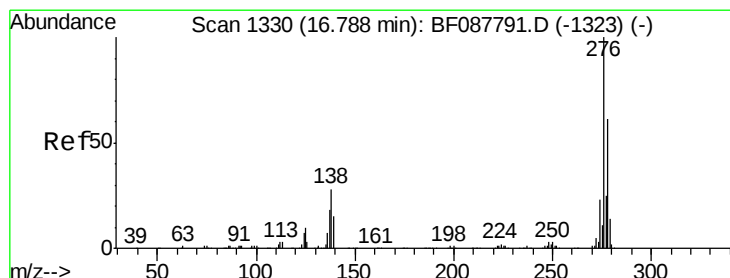
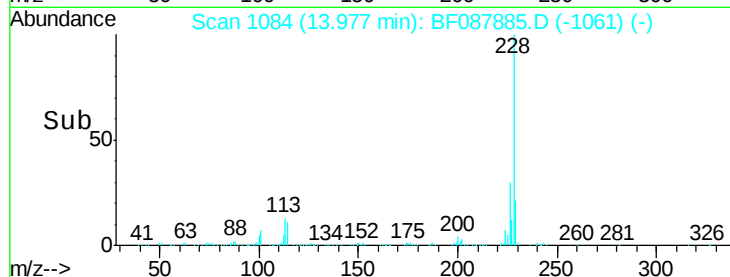
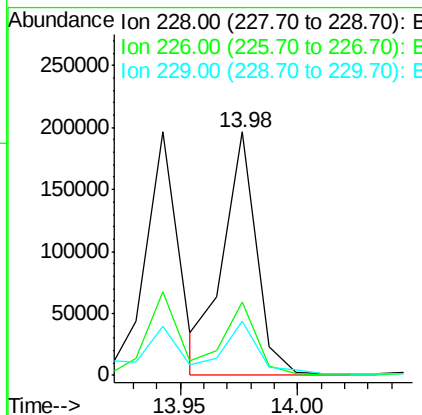
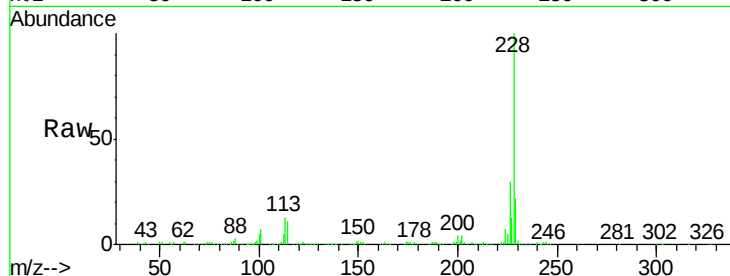
ClientSampleId :

STA-938-PLATFORM(0-4)

Tot Ion:	228	Resp:	197667
Ion Ratio		Lower	Upper
228	100		
226	30.1	25.4	38.2
229	22.3	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.55 ng/mL

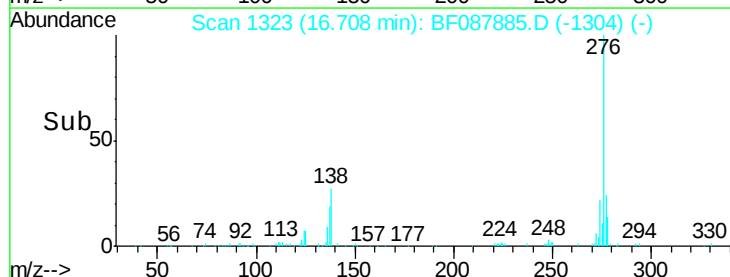
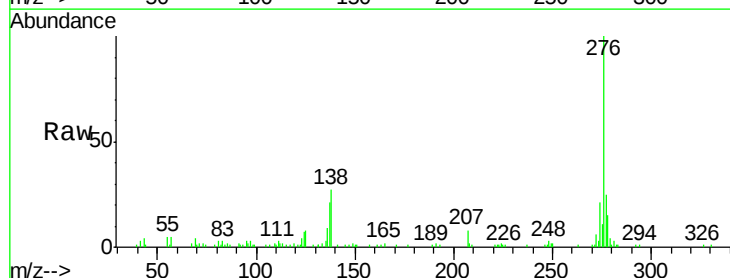
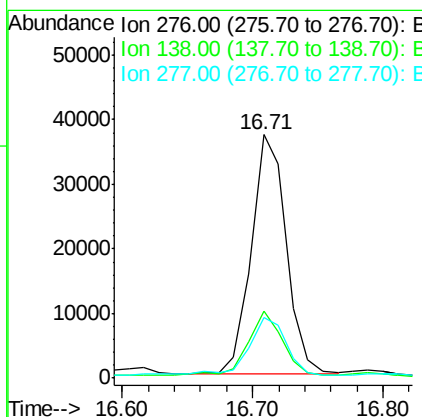
RT: 16.71 min Scan# 1323

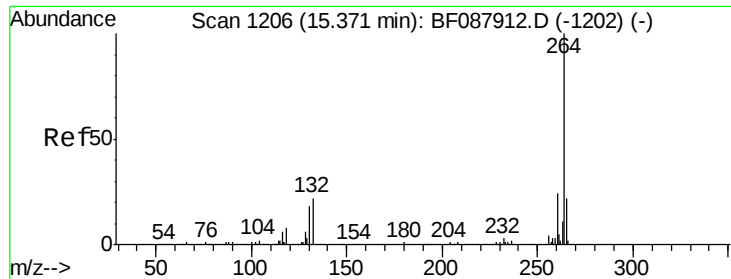
Delta R.T. -0.08 min

Lab File: BF087885.D

Acq: 10 Jun 2016 20:19

Tgt Ion:	276	Resp:	69548
Ion Ratio		Lower	Upper
276	100		
138	27.0	0.0	0.0#
277	32.2	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: BF087885.D

Acq: 10 Jun 2016 20:19

Instrument :

BNA_F

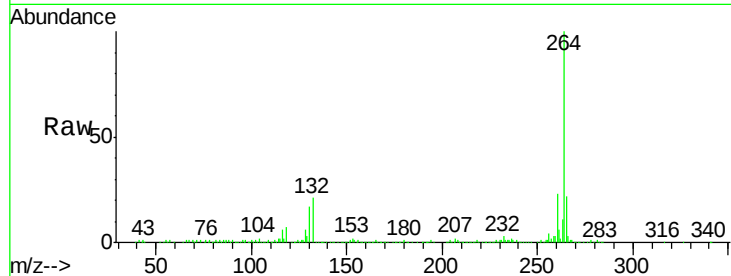
ClientSampleId :

STA-938-PLATFORM(0-4)

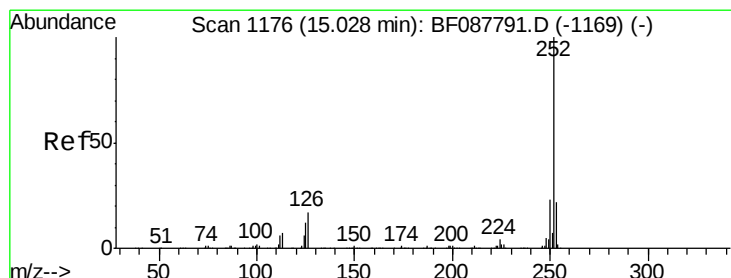
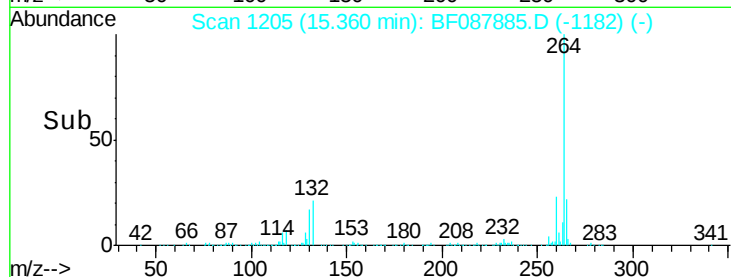
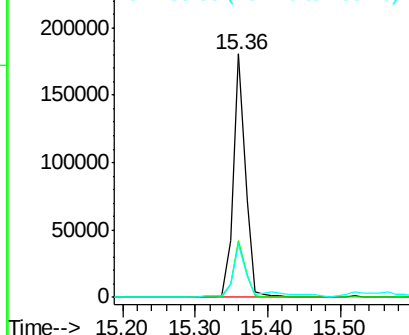
Tot Ion:	264	Resp:	211966
Ion Ratio		Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.8	16.9	25.3

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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: 15.66 ng m

RT: 14.96 min Scan# 1170

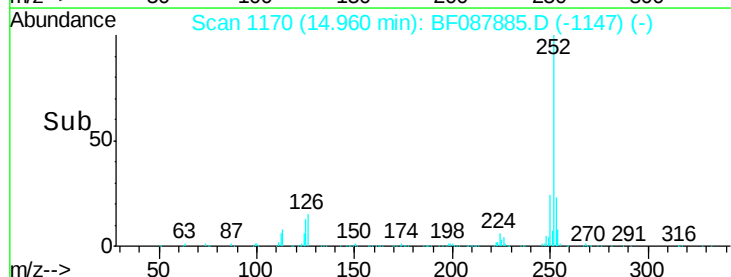
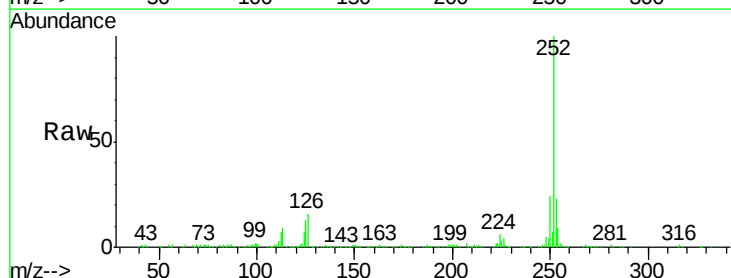
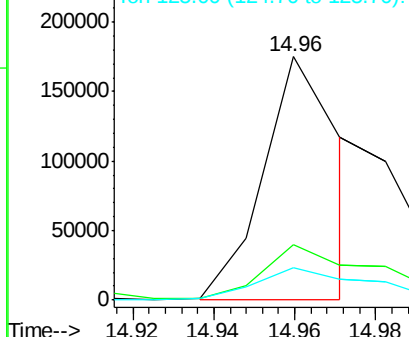
Delta R.T. -0.03 min

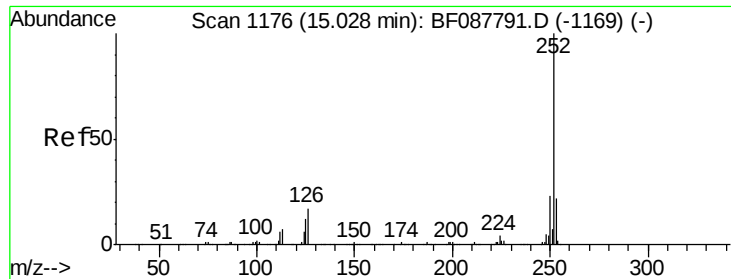
Lab File: BF087885.D

Acq: 10 Jun 2016 20:19

Tgt Ion:	252	Resp:	231322
Ion Ratio		Lower	Upper
252	100		
253	22.8	17.4	26.2
125	13.4	7.1	10.7#

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





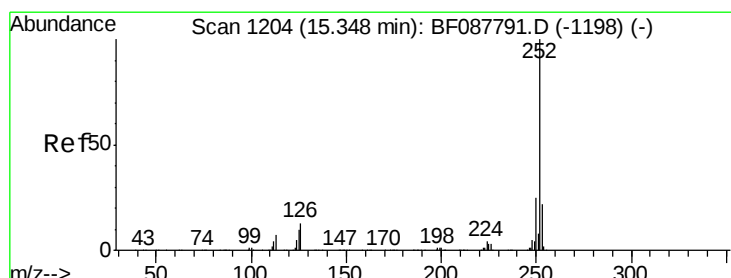
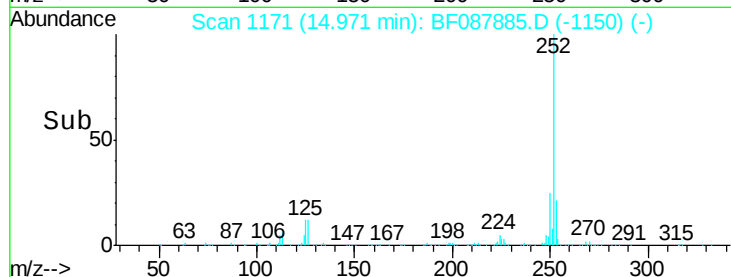
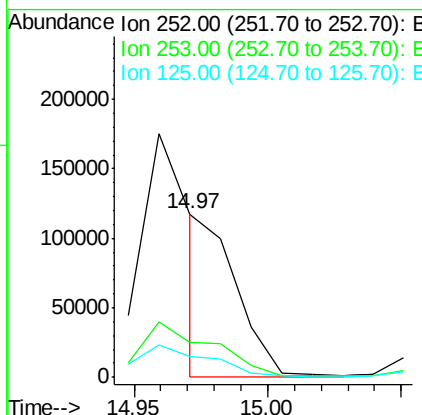
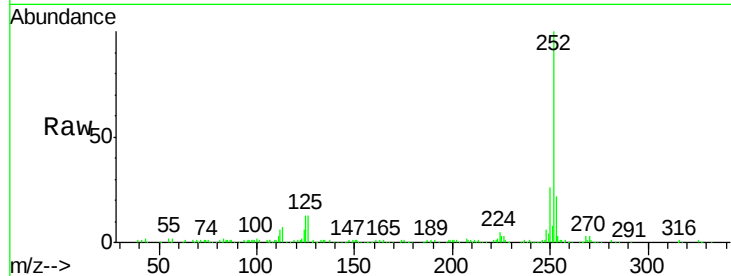
#88
Benzo(k)fluoranthene
Concen: 8.74 ng m
RT: 14.97 min Scan# 1171
Delta R.T. -0.06 min
Lab File: BF087885.D
Acq: 10 Jun 2016 20:19

Instrument :
BNA_F
ClientSampleId :
STA-938-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	13.1	11.2	16.8

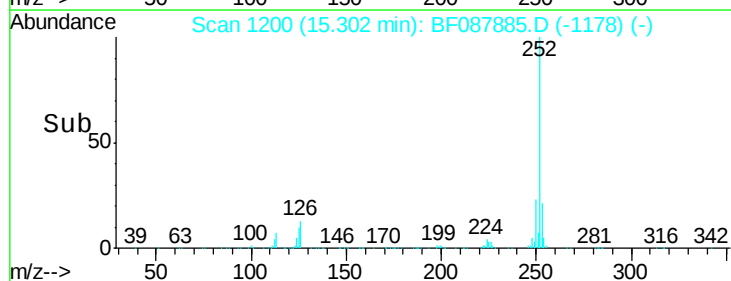
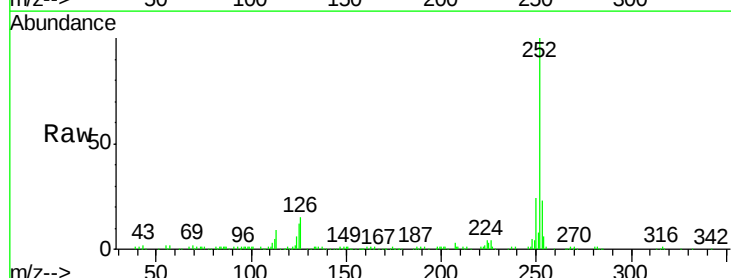
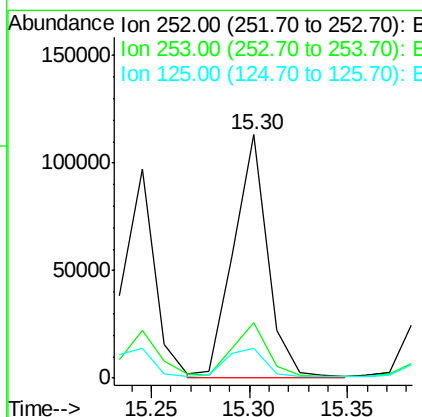
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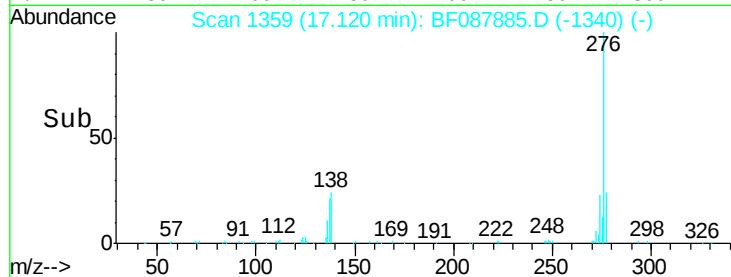
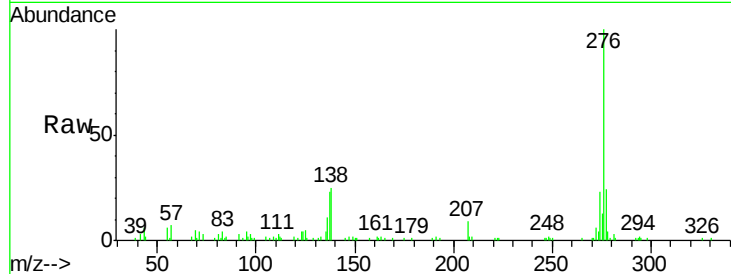
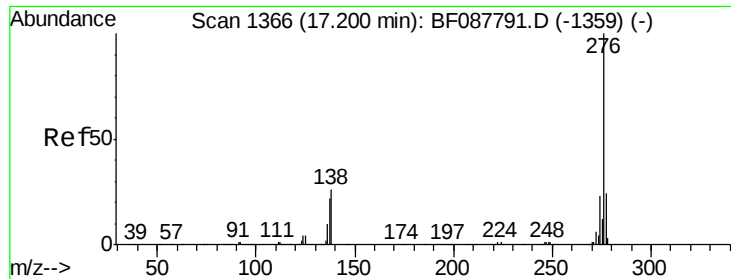
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#89
Benzo(a)pyrene
Concen: 11.48 ng m
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087885.D
Acq: 10 Jun 2016 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	12.1	12.5	18.7#





#91

Benzo(a,h,i)perylene

Concen: 5.35 ng

RT: 17.12 min Scan# 1359

Delta R.T. -0.08 min

Lab File: BF087885.D

Acq: 10 Jun 2016 20:19

Instrument :

BNA_F

ClientSampleId :

STA-938-PLATFORM(0-4)

Tot Ion:	276	Resp:	61049
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.9	28.3
138	25.3	21.4	32.2

Manual Integrations
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