

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
 Data File : BF087883.D
 Acq On : 10 Jun 2016 19:20
 Operator : UM/SJ
 Sample : H3395-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-928-PLATFORM(0-4)

Manual Integrations
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 6/13/2016 7:11:13 PM

Quant Time: Jun 11 02:12:14 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	121596	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	483452	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	205790	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	276291	20.00	ng	-0.03
75) Chrysene-d12	13.97	240	234112	20.00	ng	-0.02
86) Perylene-d12	15.37	264	220358	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	891305	125.31	ng	-0.01
7) Phenol-d6	6.46	99	1154028	133.88	ng	-0.02
23) Nitrobenzene-d5	7.38	82	693574	83.77	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	193012	88.83	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	938774	70.73	ng	-0.03
78) Terphenyl-d14	12.91	244	661815	64.33	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	9.71	152	317683	15.00	ng	98
49) Dimethylphthalate	9.56	163	92854	6.23	ng	99
70) Phenanthrene	11.35	178	364967	25.17	ng	100
71) Anthracene	11.40	178	229224	15.67	ng	97
72) Carbazole	11.55	167	35719	2.61	ng	99
74) Fluoranthene	12.55	202	1434304	93.74	ng	94
77) Pyrene	12.76	202	1257756	72.40	ng	99
80) Benzo(a)anthracene	13.95	228	901247	67.55	ng	# 92
82) Chrysene	13.99	228	758511m	60.43	ng	
85) Indeno(1,2,3-cd)pyrene	16.73	276	367292	31.50	ng	# 100
87) Benzo(b)fluoranthene	14.98	252	1222979m	79.63	ng	
88) Benzo(k)fluoranthene	14.99	252	268623m	23.19	ng	
89) Benzo(a)pyrene	15.31	252	646821	52.05	ng	98
90) Dibenzo(a,h)anthracene	16.74	278	99600	8.63	ng	96
91) Benzo(a,h,i)perylene	17.14	276	300288	25.29	ng	99

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

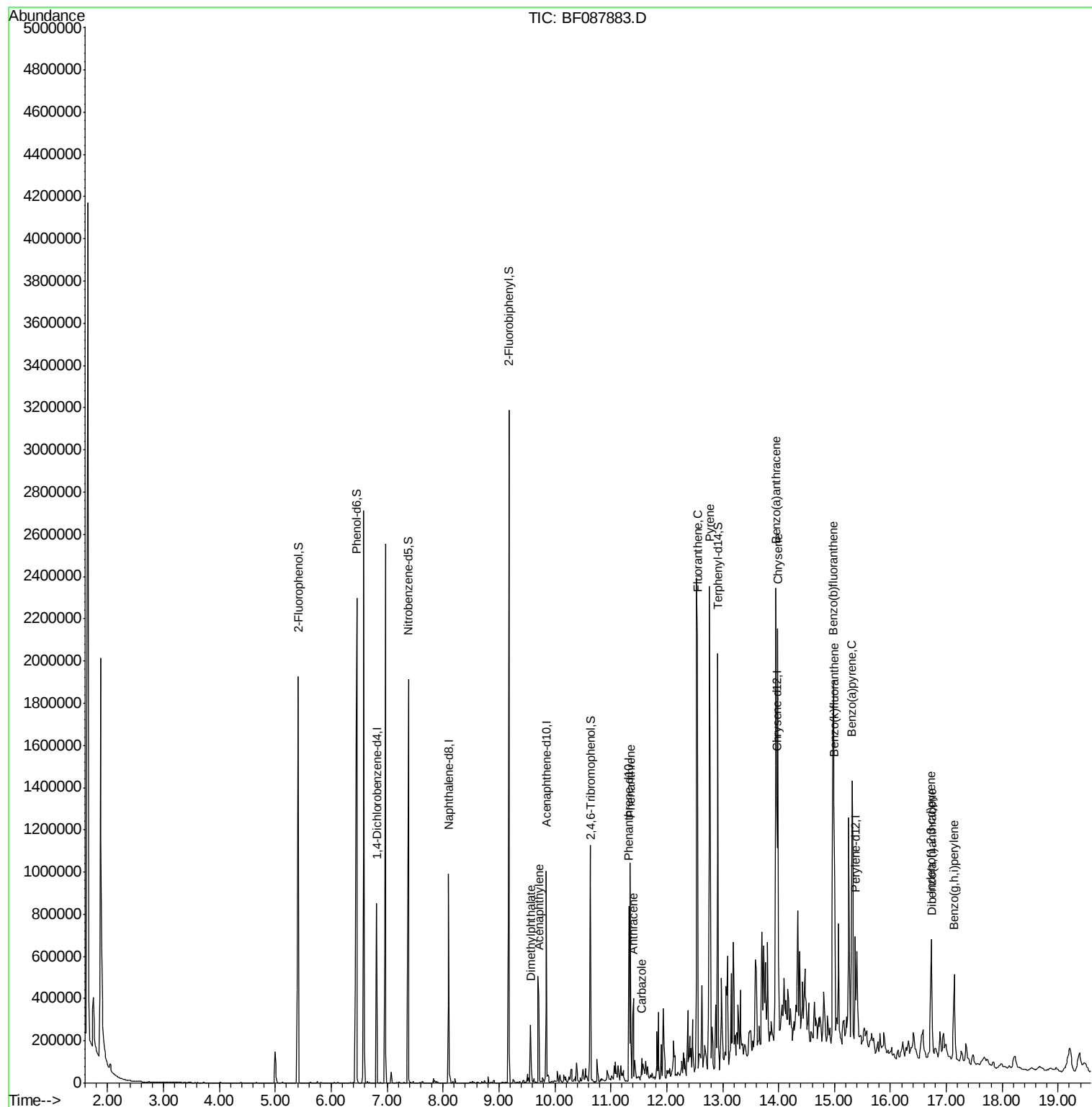
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
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#1

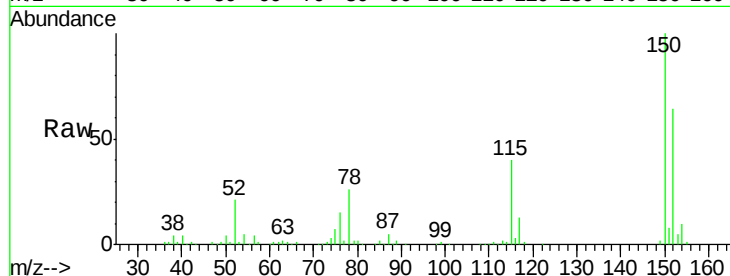
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF087883.D
Acq: 10 Jun 2016 19:20

Instrument :
BNA_F
ClientSampleId :
STA-928-PLATFORM(0-4)

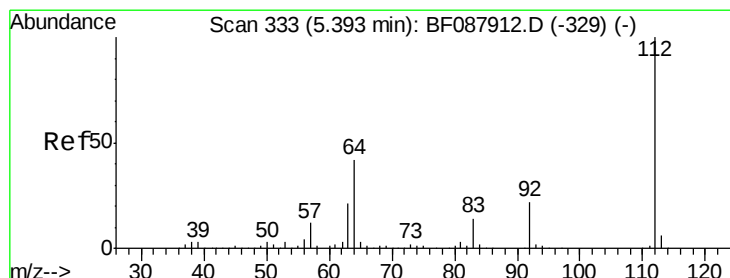
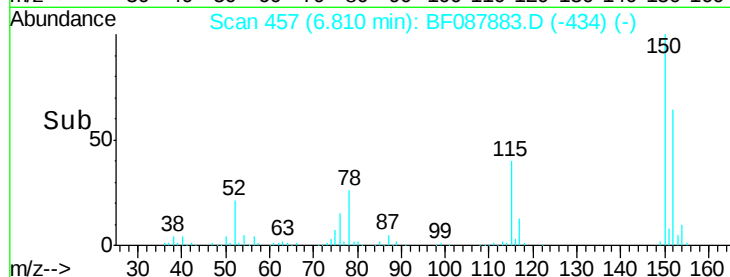
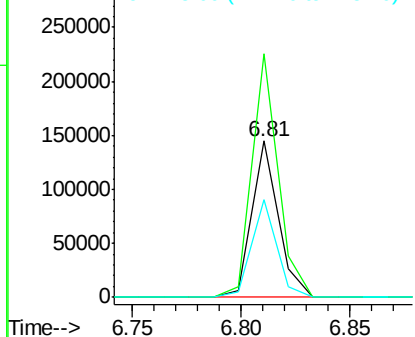
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.8	185.6
115	62.6	39.6	59.4

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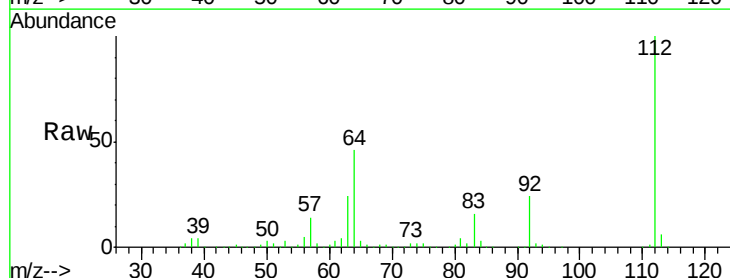
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



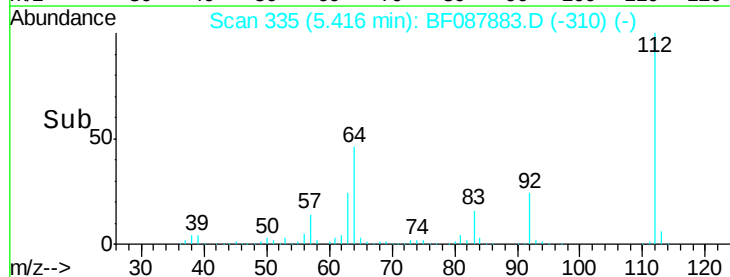
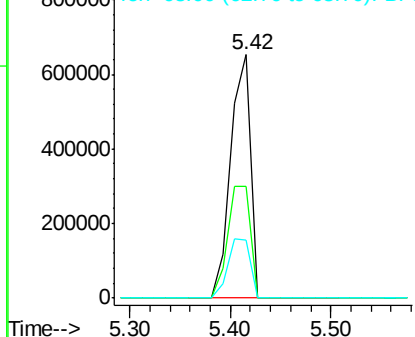
#5

2-Fluorophenol
Concen: 125.31 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087883.D
Acq: 10 Jun 2016 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.1	42.2	63.2
63	23.9	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: 133.88 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087883.D

Acq: 10 Jun 2016 19:20

Instrument :

BNA_F

ClientSampleId :

STA-928-PLATFORM(0-4)

Tot Ion: 99 Resp: 1154028

Ion Ratio Lower Upper

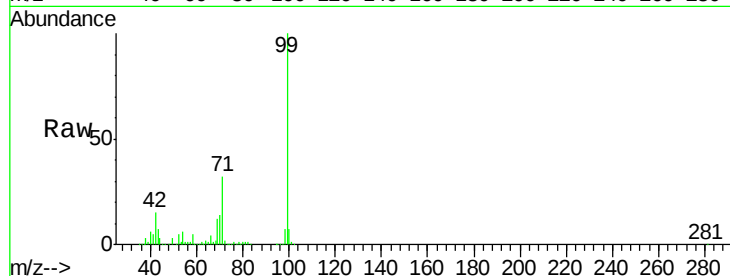
99 100

42 14.8 12.2 18.2

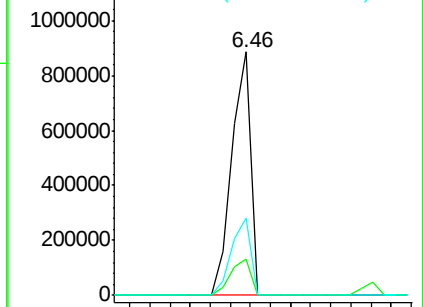
71 32.0 23.4 35.0

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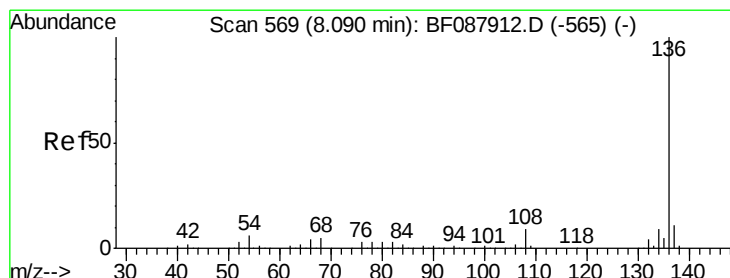
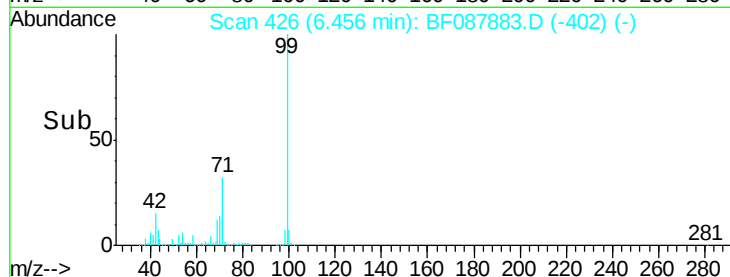
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087883.D

Acq: 10 Jun 2016 19:20

Tgt Ion: 136 Resp: 483452

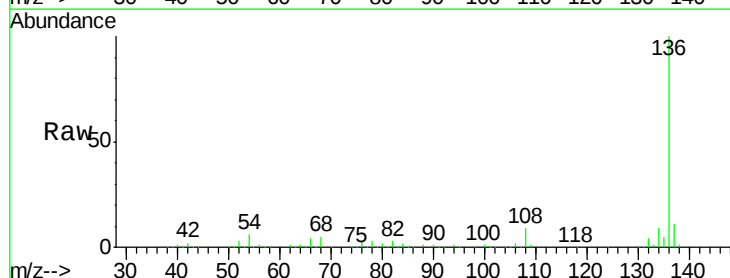
Ion Ratio Lower Upper

136 100

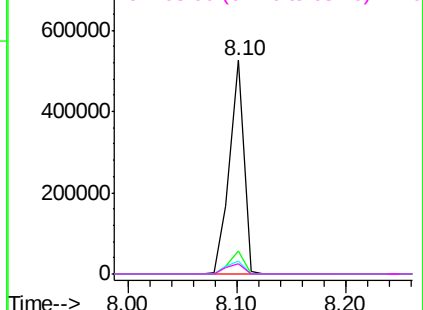
137 10.9 9.1 13.7

54 5.8 6.6 10.0#

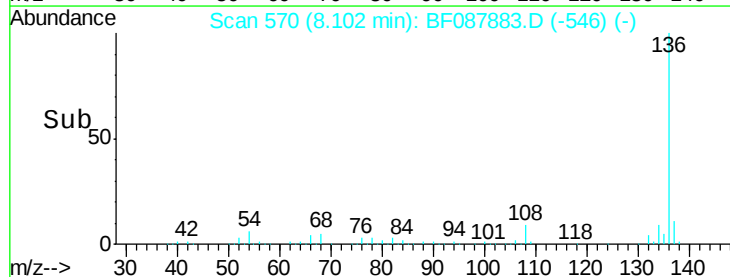
68 5.1 5.1 7.7#



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



Time-->





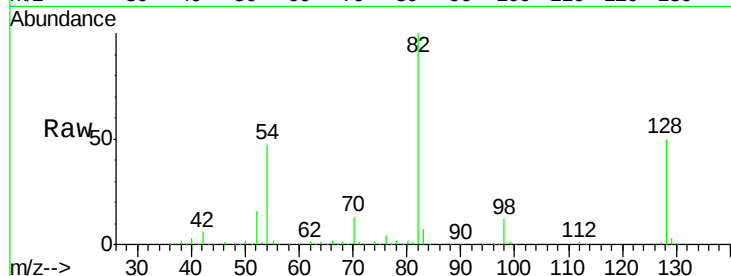
#23
Nitrobenzene-d5
Concen: 83.77 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087883.D
Acq: 10 Jun 2016 19:20

Instrument :
BNA_F
ClientSampleId :
STA-928-PLATFORM(0-4)

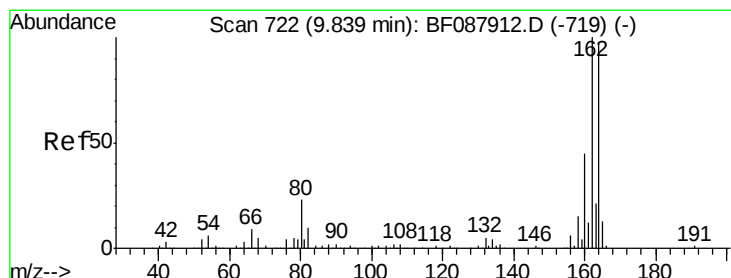
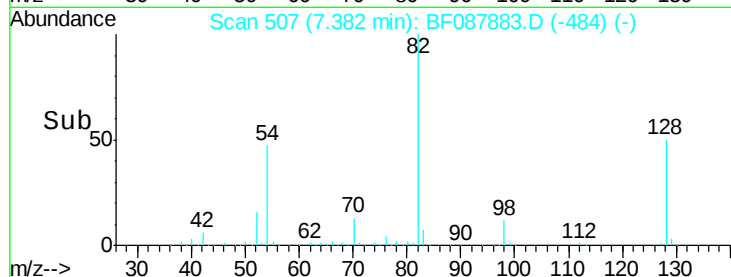
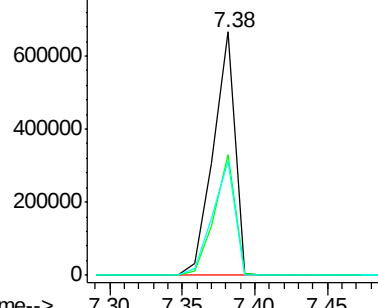
Tot Ion	Ratio	Resp	Lower	Upper
82	100	693574		
128	49.5	35.9	53.9	
54	46.9	40.9	61.3	

Manual Integrations
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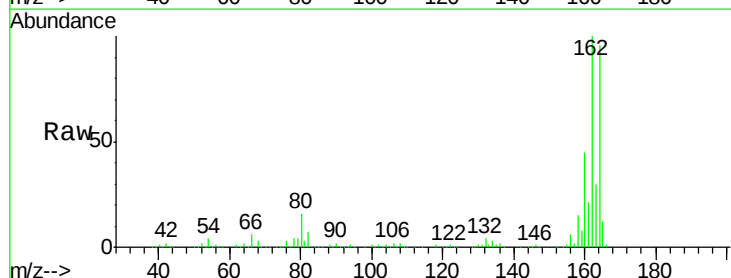


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

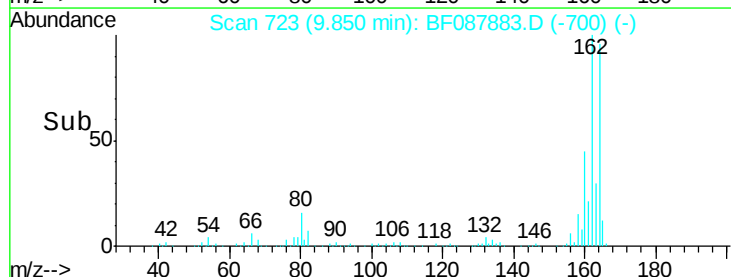
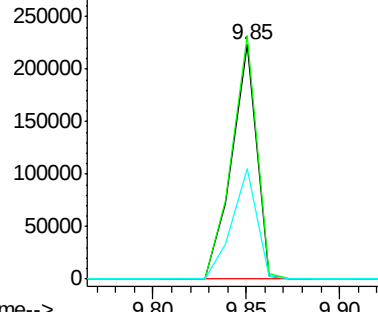


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF087883.D
Acq: 10 Jun 2016 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	205790		
162	103.8	85.4	128.2	
160	47.0	39.5	59.3	



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





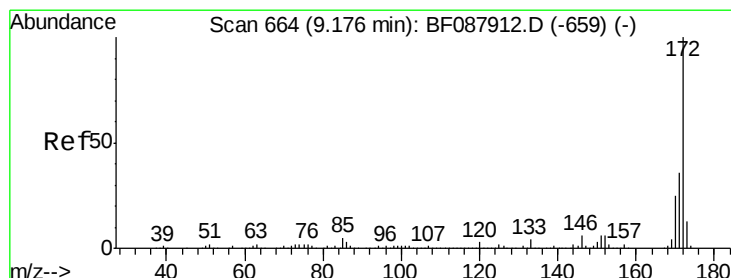
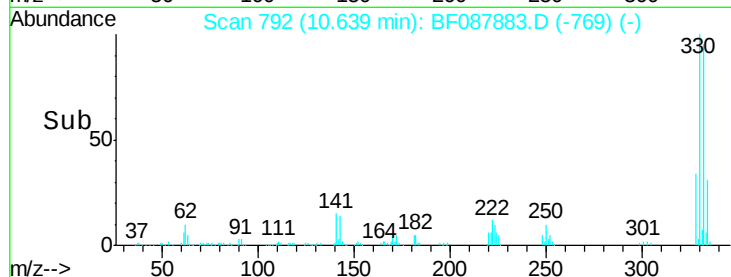
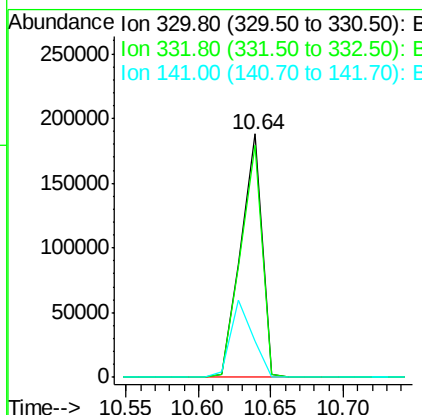
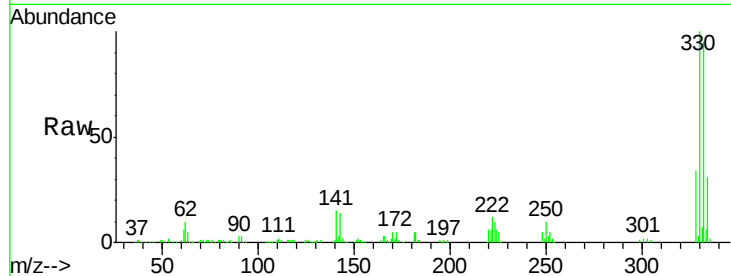
#41
 2,4,6-Tribromophenol
 Concen: 88.83 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087883.D
 Acq: 10 Jun 2016 19:20

Instrument :
 BNA_F
 ClientSampleId :
 STA-928-PLATFORM(0-4)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	33.9	0.0	0.0#

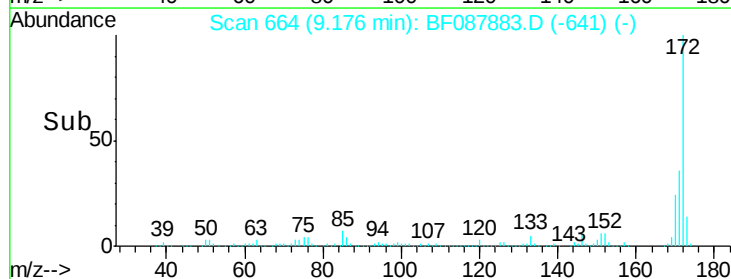
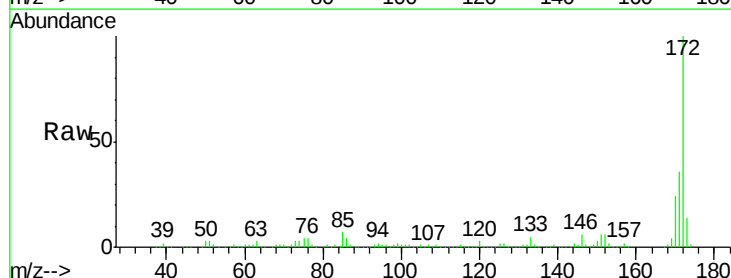
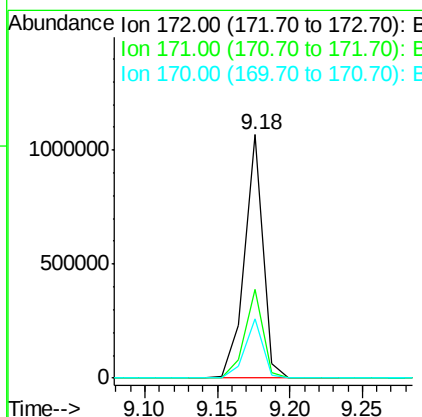
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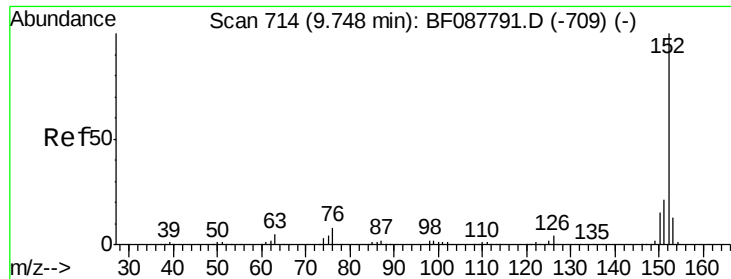
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#44
 2-Fluorobiphenyl
 Concen: 70.73 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087883.D
 Acq: 10 Jun 2016 19:20

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.3	28.6	43.0
170	24.4	19.2	28.8





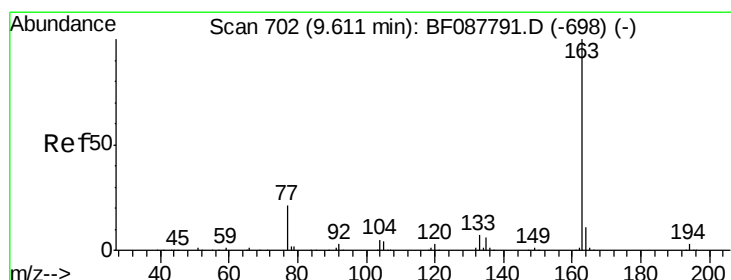
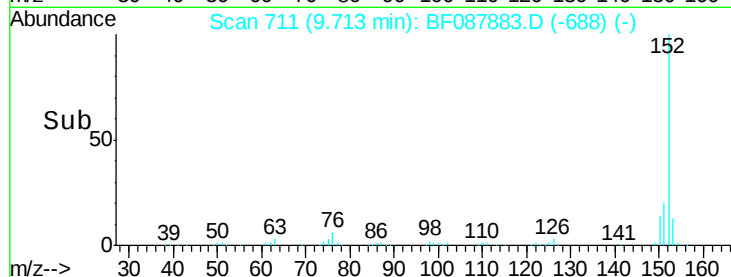
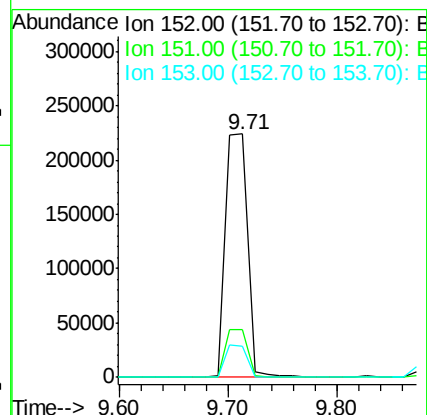
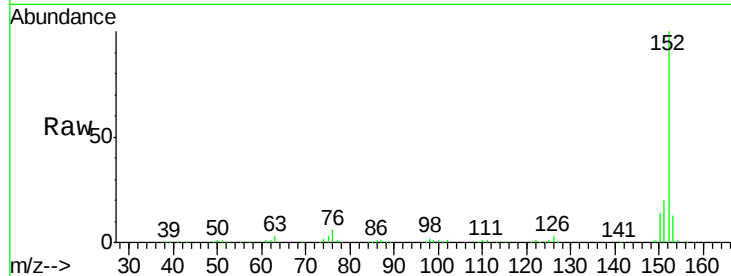
#48
Acenaphthylene
Concen: 15.00 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF087883.D
Acq: 10 Jun 2016 19:20

Instrument :
BNA_F
ClientSampleId :
STA-928-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.4
153	12.5	11.0	16.6

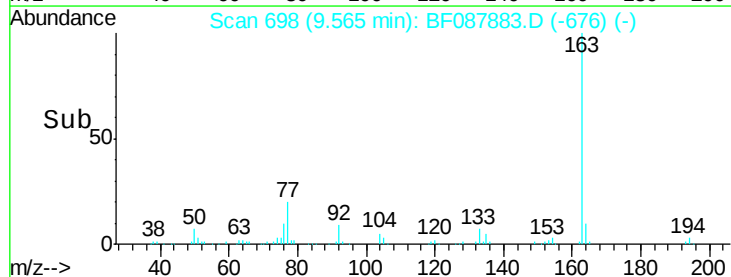
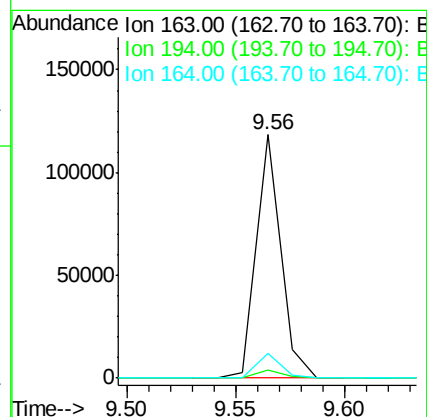
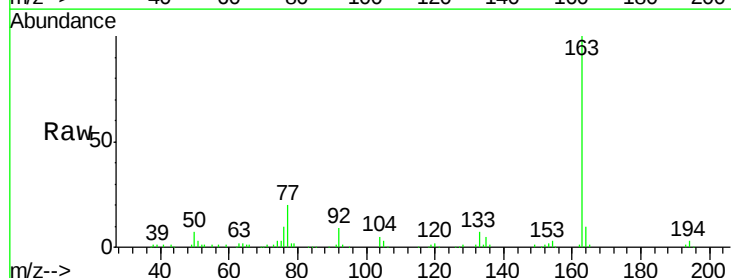
Manual Integrations
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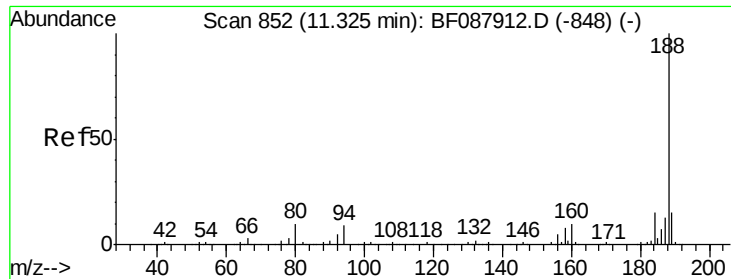
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#49
Dimethylphthalate
Concen: 6.23 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF087883.D
Acq: 10 Jun 2016 19:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.2	8.3	12.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087883.D

Acq: 10 Jun 2016 19:20

Instrument :

BNA_F

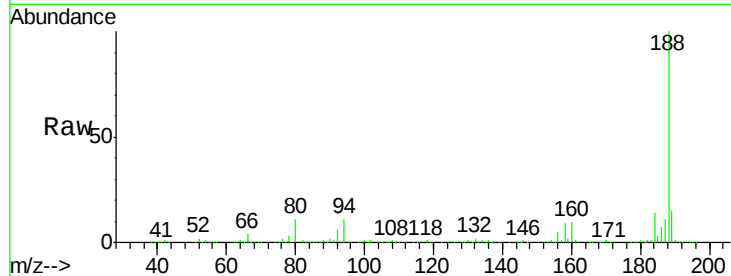
ClientSampleId :

STA-928-PLATFORM(0-4)

Tot Ion:	188	Resp:	276291
Ion Ratio	Lower	Upper	
188	100		
94	10.8	9.0	13.6
80	11.4	10.0	15.0

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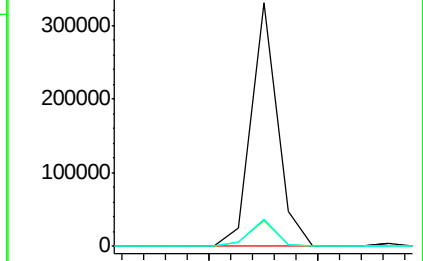
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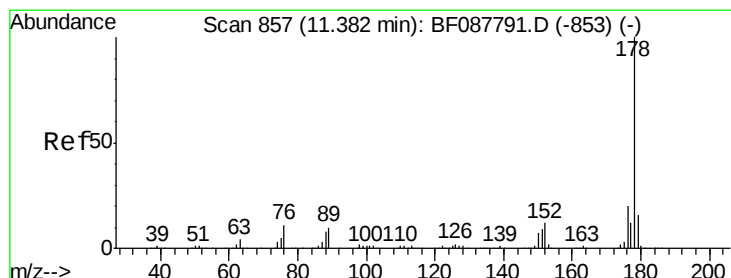
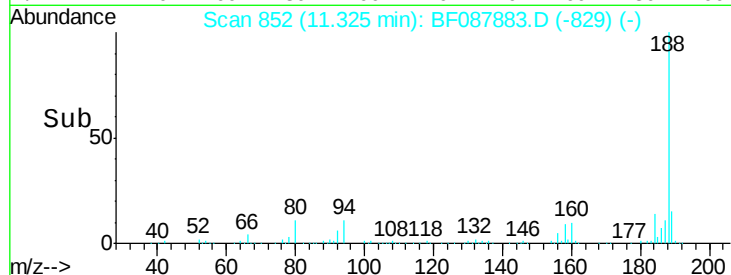
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 25.17 ng

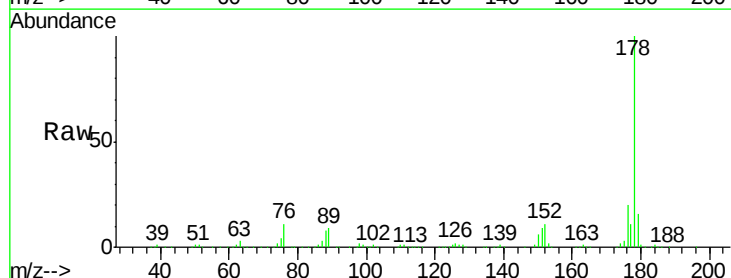
RT: 11.35 min Scan# 854

Delta R.T. -0.03 min

Lab File: BF087883.D

Acq: 10 Jun 2016 19:20

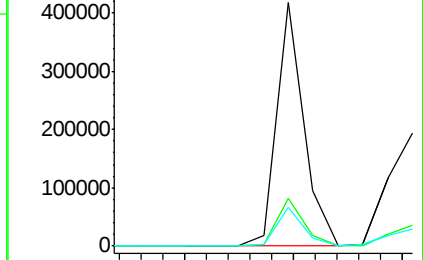
Tgt Ion:	178	Resp:	364967
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.8	23.6
179	15.9	13.0	19.4



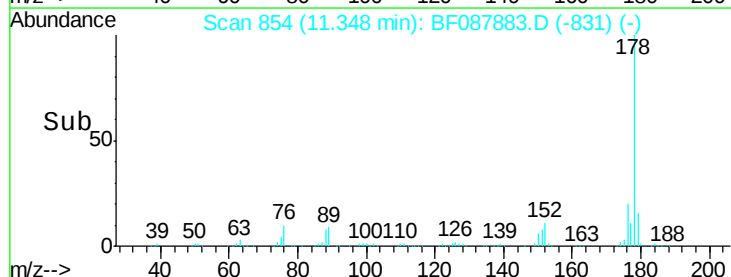
Abundance Ion 178.00 (177.70 to 178.70): E

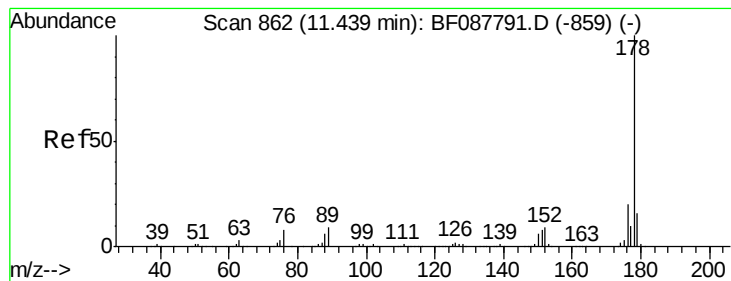
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





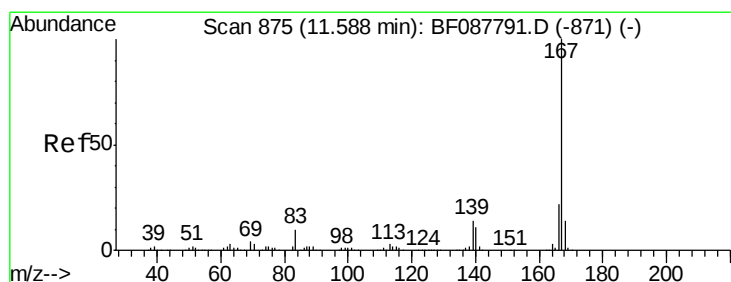
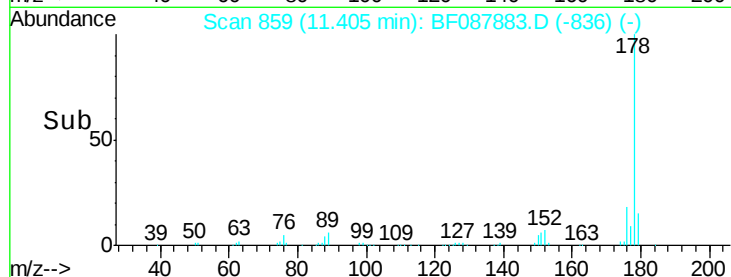
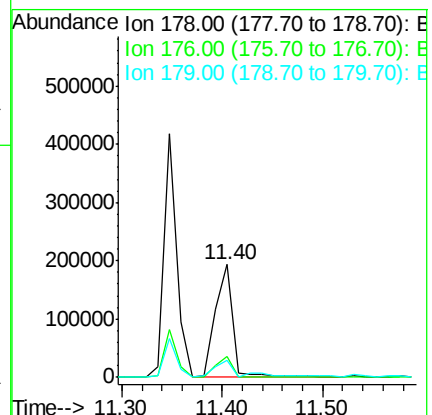
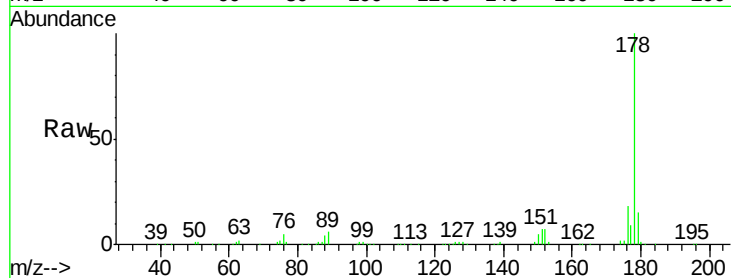
#71
 Anthracene
 Concen: 15.67 ng
 RT: 11.40 min Scan# 859
 Delta R.T. -0.03 min
 Lab File: BF087883.D
 Acq: 10 Jun 2016 19:20

Instrument :
 BNA_F
 ClientSampleId :
 STA-928-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	14.9	12.8	19.2

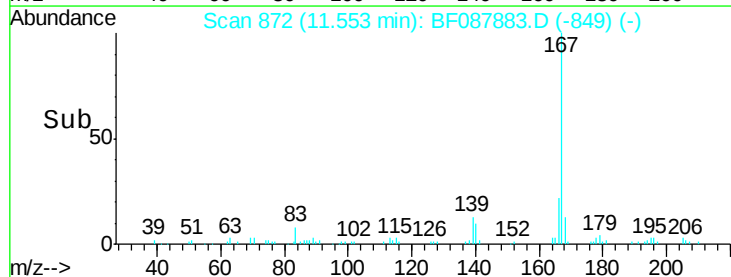
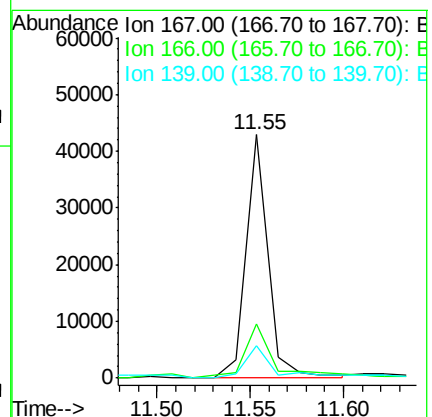
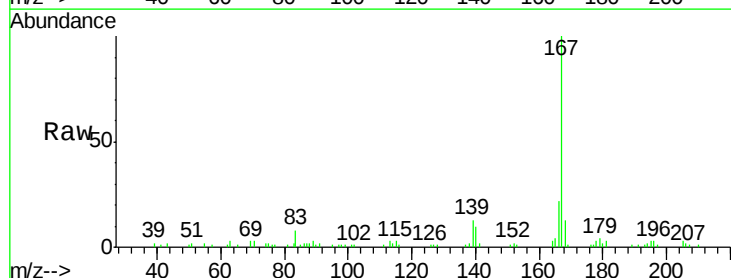
Manual Integrations
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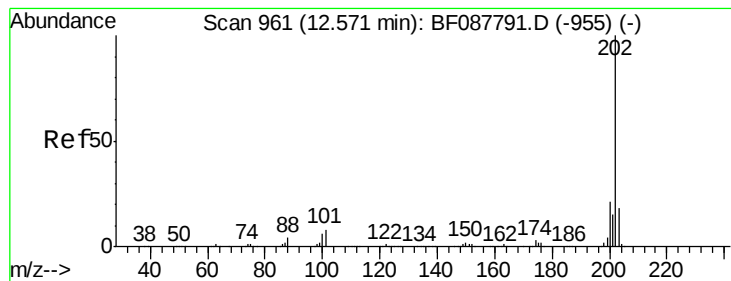
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#72
 Carbazole
 Concen: 2.61 ng
 RT: 11.55 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: BF087883.D
 Acq: 10 Jun 2016 19:20

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.8	26.6
139	13.4	11.2	16.8





#74

Fluoranthene

Concen: 93.74 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF087883.D

Acq: 10 Jun 2016 19:20

Instrument :

BNA_F

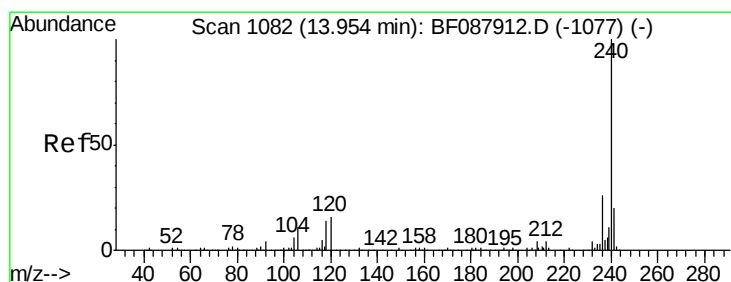
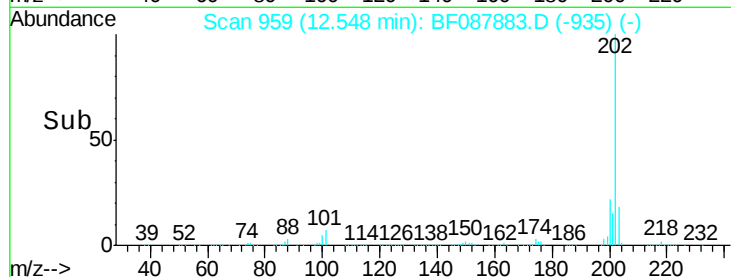
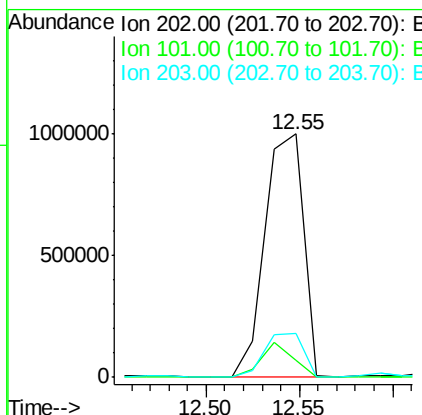
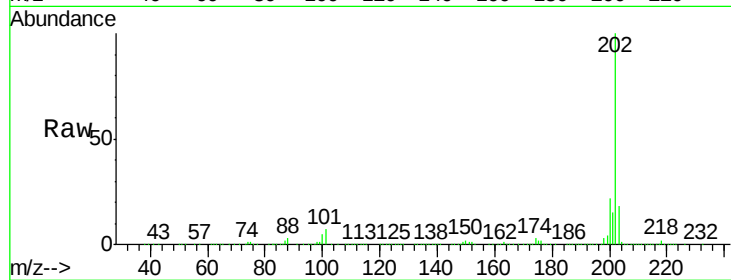
ClientSampleId :

STA-928-PLATFORM(0-4)

Tot Ion:	202	Resp:	1434304
Ion Ratio	Lower	Upper	
202	100		
101	7.1	0.0	33.1
203	18.0	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

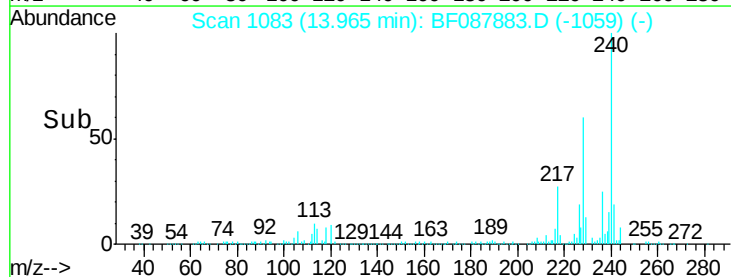
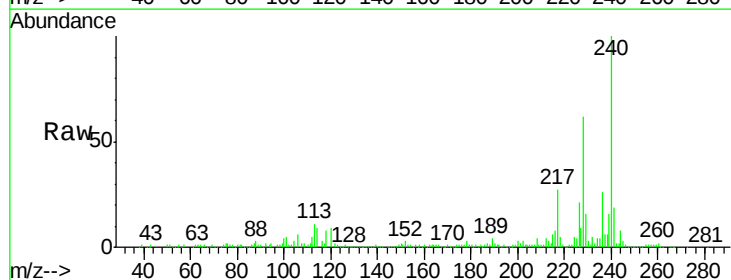
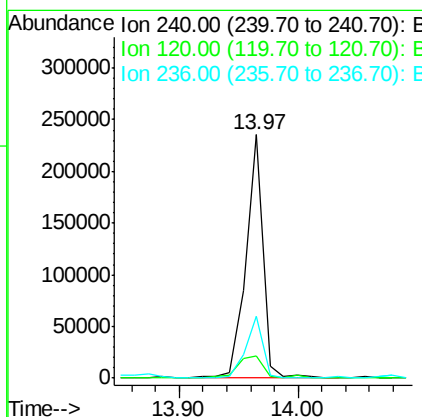
RT: 13.97 min Scan# 1083

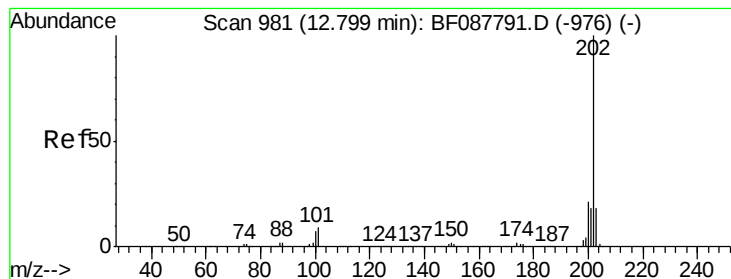
Delta R.T. -0.02 min

Lab File: BF087883.D

Acq: 10 Jun 2016 19:20

Tgt Ion:	240	Resp:	234112
Ion Ratio	Lower	Upper	
240	100		
120	9.1	6.8	10.2
236	25.5	20.2	30.2





#77

Pvrene

Concen: 72.40 ng

RT: 12.76 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF087883.D

Acq: 10 Jun 2016 19:20

Instrument :

BNA_F

ClientSampleId :

STA-928-PLATFORM(0-4)

Tot Ion:202 Resp: 1257756

Ion Ratio Lower Upper

202 100

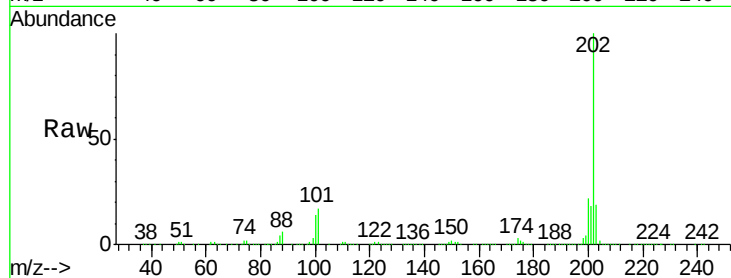
200 21.8 17.4 26.2

203 19.0 14.5 21.7

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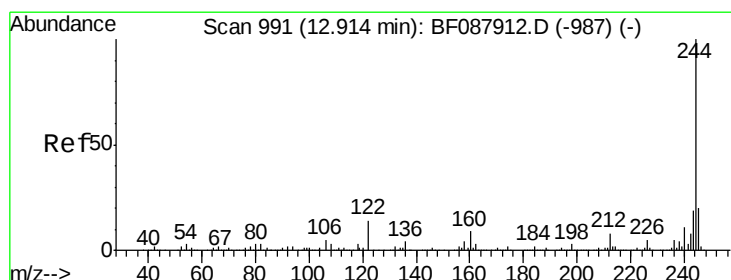
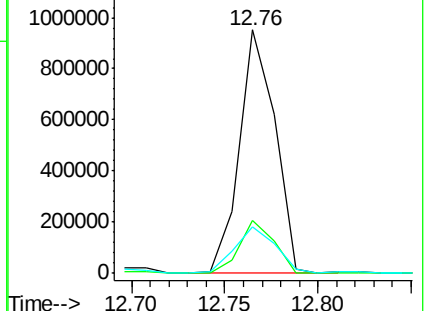
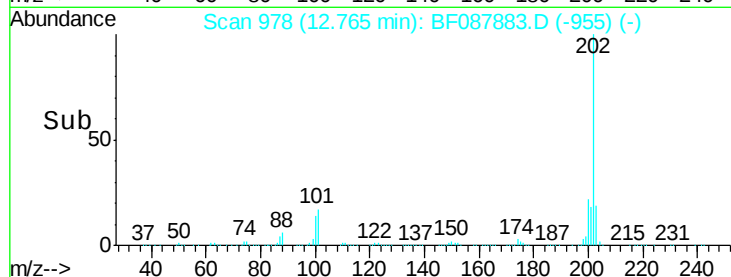
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 64.33 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087883.D

Acq: 10 Jun 2016 19:20

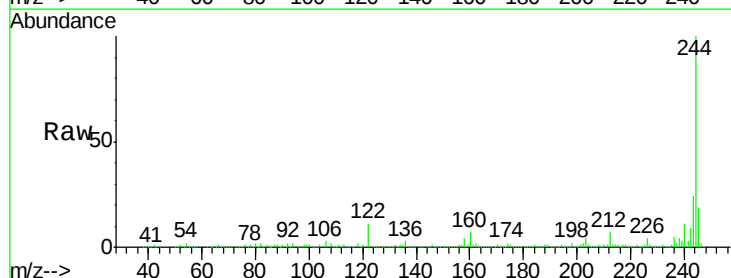
Tgt Ion:244 Resp: 661815

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

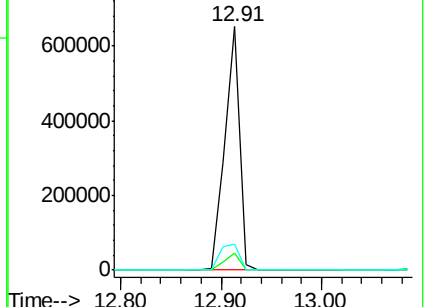
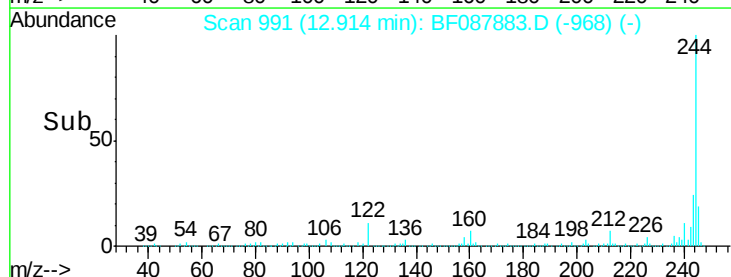
122 10.7 11.2 16.8#

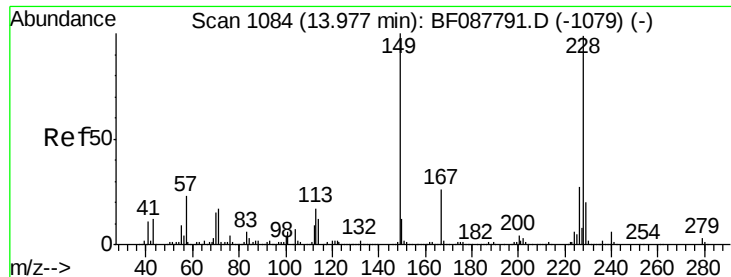


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





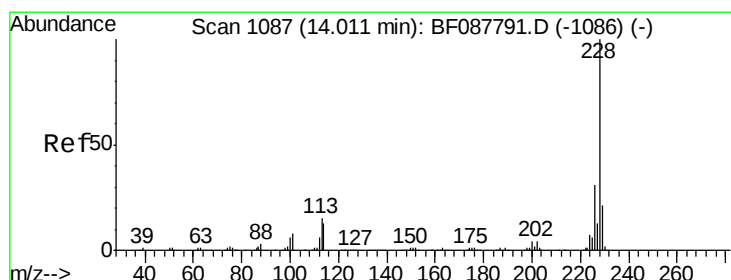
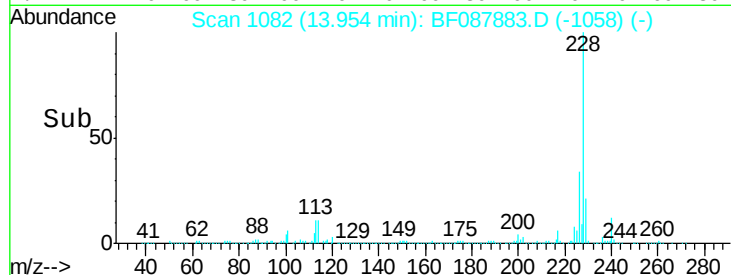
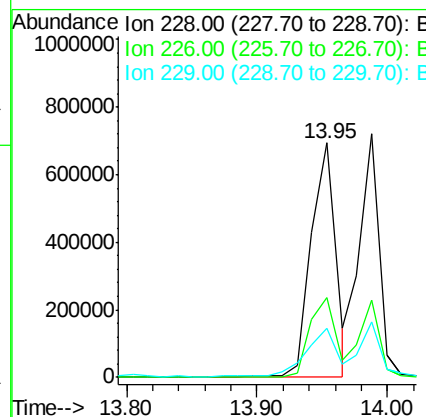
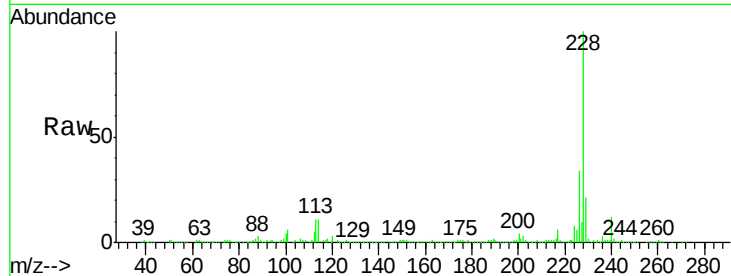
#80
Benzo(a)anthracene
Concen: 67.55 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BF087883.D
Acq: 10 Jun 2016 19:20

Instrument :
BNA_F
ClientSampleId :
STA-928-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.9	22.3	33.5#
229	21.0	16.0	24.0

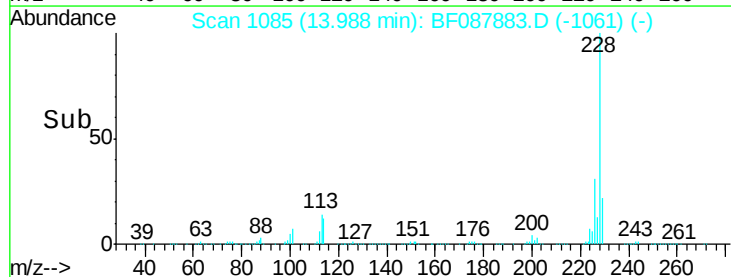
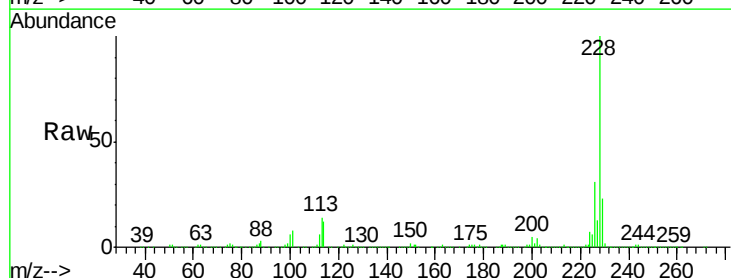
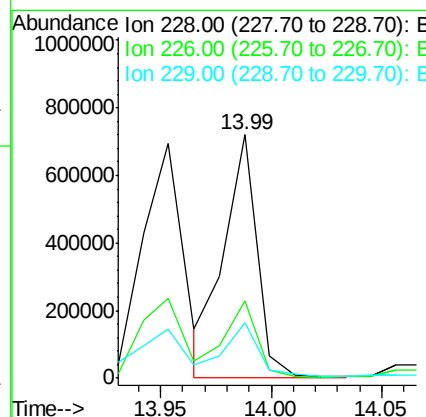
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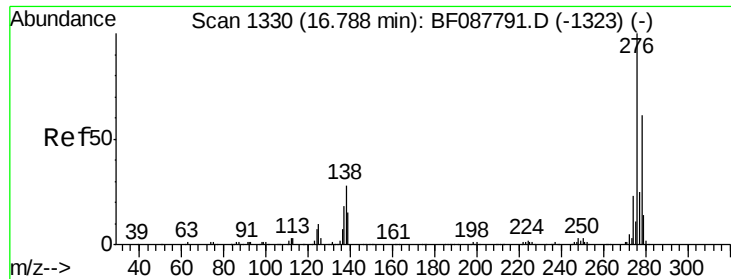
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#82
Chrysene
Concen: 60.43 ng m
RT: 13.99 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BF087883.D
Acq: 10 Jun 2016 19:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.4	38.2
229	22.9	16.3	24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 31.50 ng

RT: 16.73 min Scan# 1325

Delta R.T. -0.06 min

Lab File: BF087883.D

Acq: 10 Jun 2016 19:20

Instrument :

BNA_F

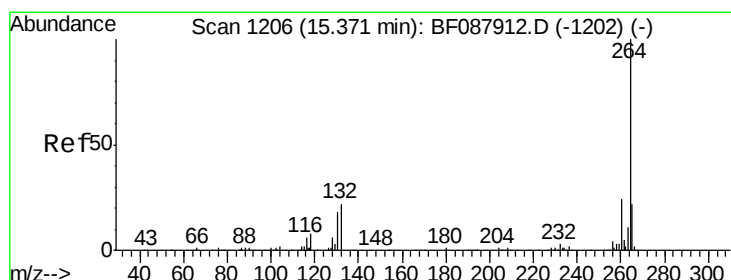
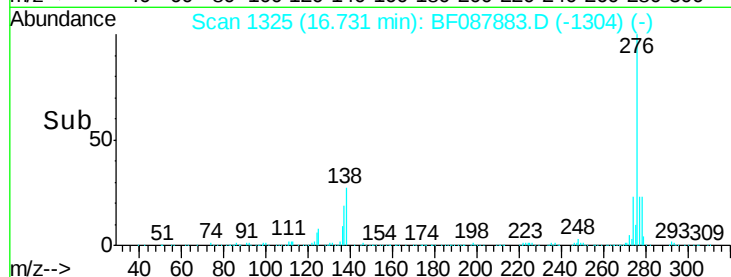
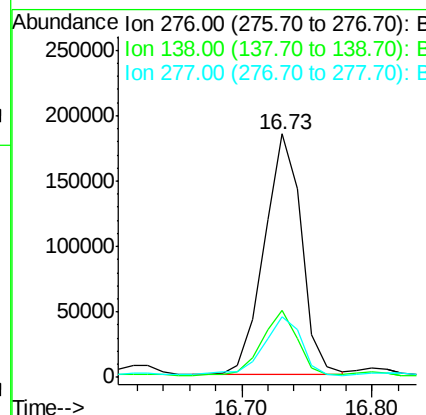
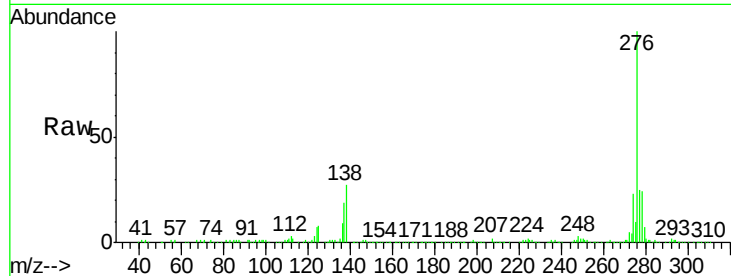
ClientSampleId :

STA-928-PLATFORM(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
276	100	367292		
138	26.7	0.0	0.0#	
277	25.8	0.0	0.0#	

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#86

Perylene-d12

Concen: 20.00 ng

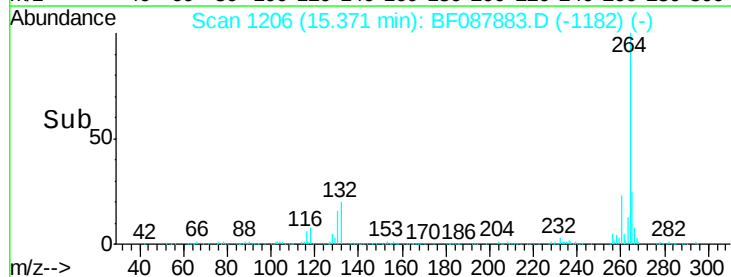
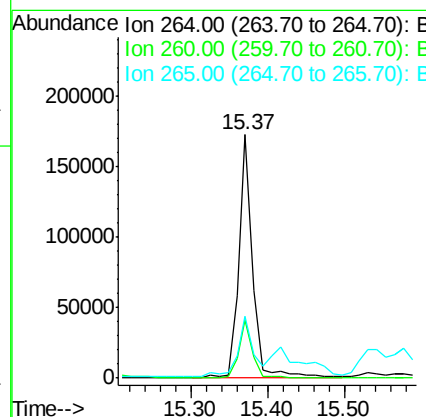
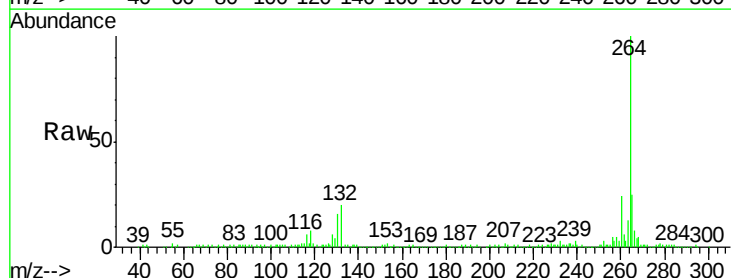
RT: 15.37 min Scan# 1206

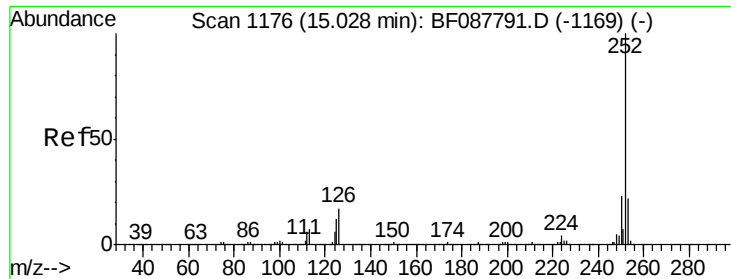
Delta R.T. -0.02 min

Lab File: BF087883.D

Acq: 10 Jun 2016 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	220358		
260	23.8	19.2	28.8	
265	25.2	16.9	25.3	





#87

Benzo(b)fluoranthene

Concen: 79.63 ng m

RT: 14.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF087883.D

Acq: 10 Jun 2016 19:20

Instrument :

BNA_F

ClientSampleId :

STA-928-PLATFORM(0-4)

Tot Ion:252 Resp: 1222979

Ion Ratio Lower Upper

252 100

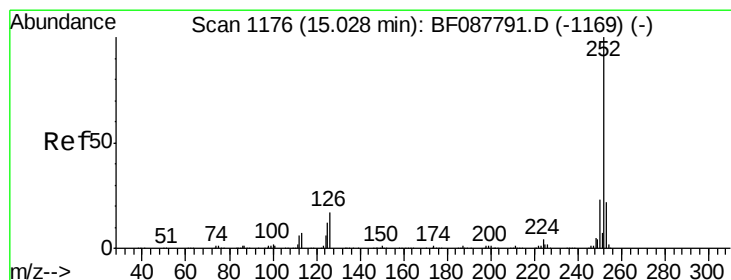
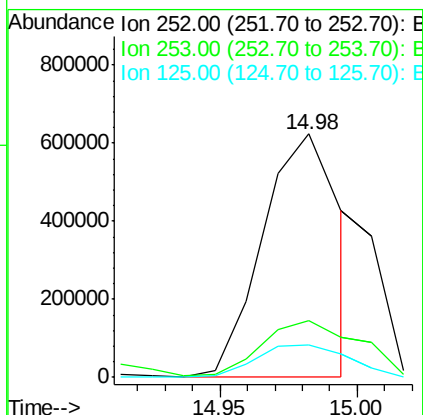
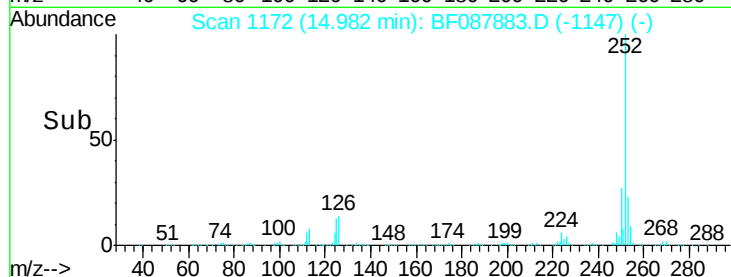
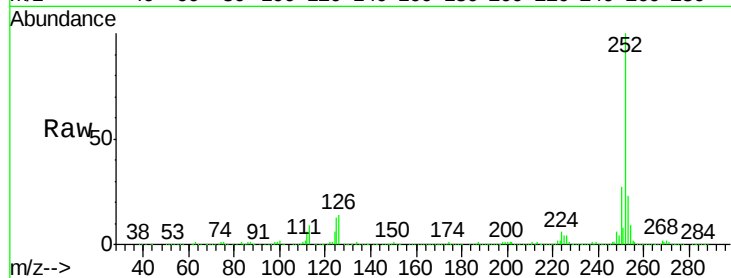
253 23.3 17.4 26.2

125 13.5 7.1 10.7#

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#88

Benzo(k)fluoranthene

Concen: 23.19 ng m

RT: 14.99 min Scan# 1173

Delta R.T. -0.03 min

Lab File: BF087883.D

Acq: 10 Jun 2016 19:20

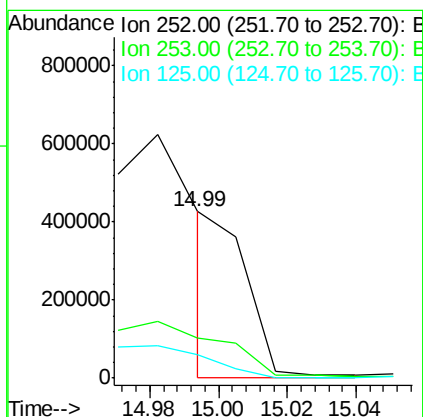
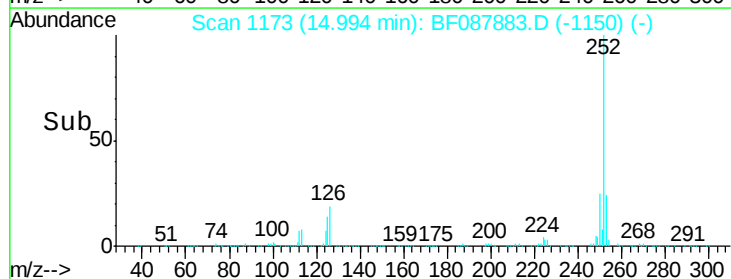
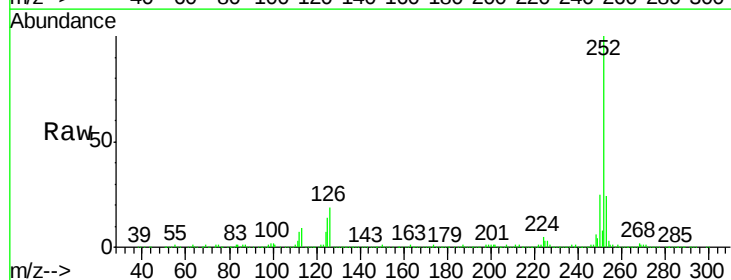
Tgt Ion:252 Resp: 268623

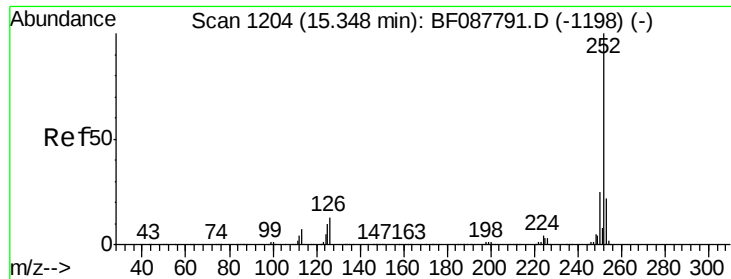
Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

125 14.4 11.2 16.8





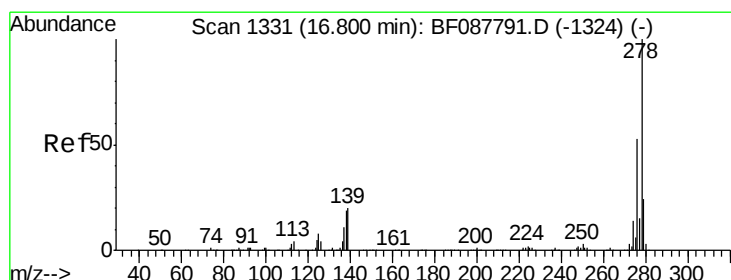
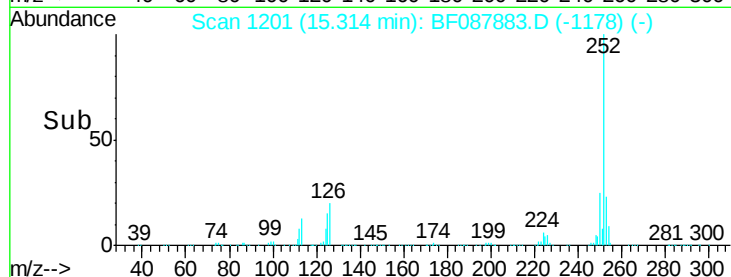
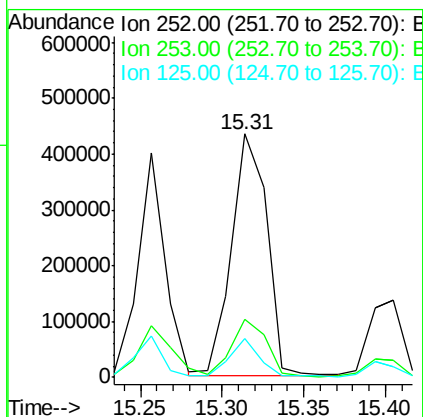
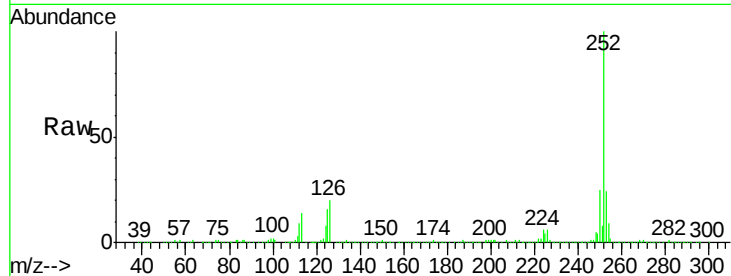
#89
Benzo(a)pyrene
Concen: 52.05 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF087883.D
Acq: 10 Jun 2016 19:20

Instrument :
BNA_F
ClientSampleId :
STA-928-PLATFORM(0-4)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.8	17.9	26.9
125	15.8	12.5	18.7

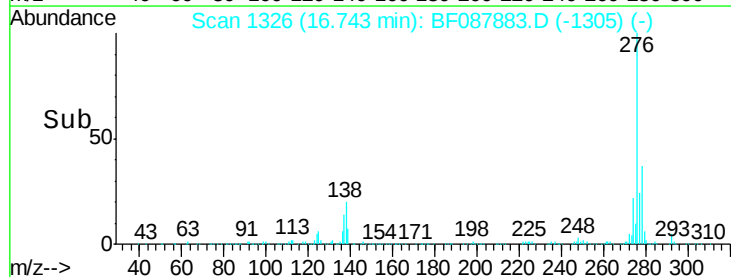
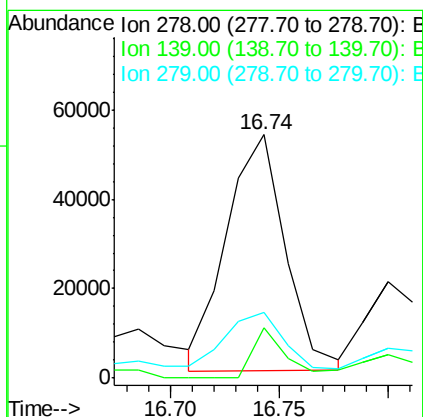
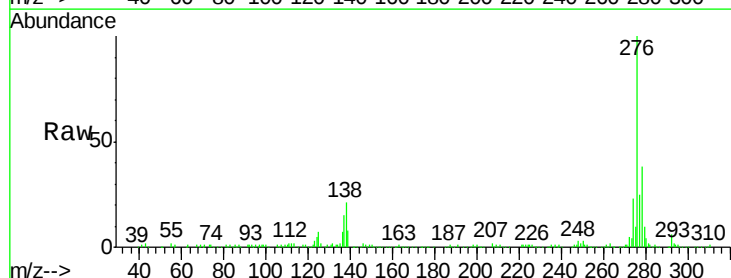
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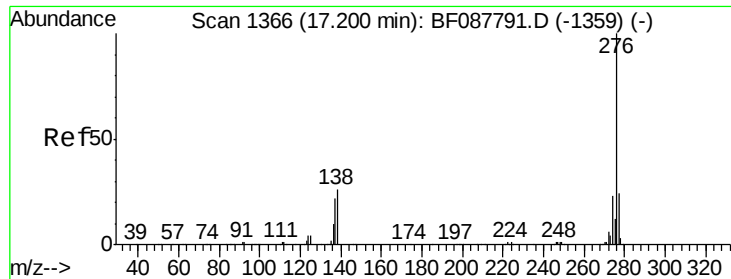
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#90
Dibenzo(a,h)anthracene
Concen: 8.63 ng
RT: 16.74 min Scan# 1326
Delta R.T. -0.06 min
Lab File: BF087883.D
Acq: 10 Jun 2016 19:20

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	20.5	15.7	23.5
279	26.8	19.4	29.2





#91
 Benzo(a,h,i)perylene
 Concen: 25.29 ng
 RT: 17.14 min Scan# 1361
 Delta R.T. -0.06 min
 Lab File: BF087883.D
 Acq: 10 Jun 2016 19:20

Instrument :
 BNA_F
 ClientSampleId :
 STA-928-PLATFORM(0-4)

Tot Ion:	276	Resp:	300288
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.9	28.3
138	27.6	21.4	32.2

Manual Integrations
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