

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
 Data File : BF087889.D
 Acq On : 10 Jun 2016 22:15
 Operator : UM/SJ
 Sample : H3395-19
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-964-PLATFORM(0-4)

Manual Integrations
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 6/13/2016 7:11:42 PM

Quant Time: Jun 11 02:40:13 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	122038	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	474545	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	201676	20.00	ng	-0.03
63) Phenanthrene-d10	11.33	188	287781	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	202353	20.00	ng	-0.03
86) Perylene-d12	15.37	264	189777	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	573485	80.34	ng	-0.02
7) Phenol-d6	6.44	99	810193	93.65	ng	-0.03
23) Nitrobenzene-d5	7.38	82	587432	72.29	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	152638	71.68	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	834039	63.57	ng	-0.03
78) Terphenyl-d14	12.91	244	507915	57.12	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	8.12	128	103819	4.42	ng	98
37) 2-Methylnaphthalene	8.81	142	68950	4.45	ng	98
48) Acenaphthylene	9.71	152	180254	8.68	ng	98
49) Dimethylphthalate	9.56	163	122374	8.38	ng	99
54) Dibenzofuran	10.06	168	38327	2.15	ng	# 93
70) Phenanthrene	11.35	178	293877	19.46	ng	99
71) Anthracene	11.41	178	180759	11.87	ng	98
72) Carbazole	11.55	167	80923	5.68	ng	98
74) Fluoranthene	12.54	202	694957	43.61	ng	99
77) Pyrene	12.77	202	692482	46.12	ng	100
80) Benzo(a)anthracene	13.94	228	443124m	38.43	ng	
82) Chrysene	13.99	228	370762	34.18	ng	96
83) Bis(2-ethylhexyl)phthalate	13.94	149	22227	2.75	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.73	276	162682	16.14	ng	# 100
87) Benzo(b)fluoranthene	14.97	252	479841m	36.28	ng	
88) Benzo(k)fluoranthene	14.98	252	184964m	18.54	ng	
89) Benzo(a)pyrene	15.31	252	271271m	25.35	ng	
90) Dibenzo(a,h)anthracene	16.74	278	42516	4.28	ng	# 91
91) Benzo(a,h,i)perylene	17.14	276	146701	14.35	ng	98

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

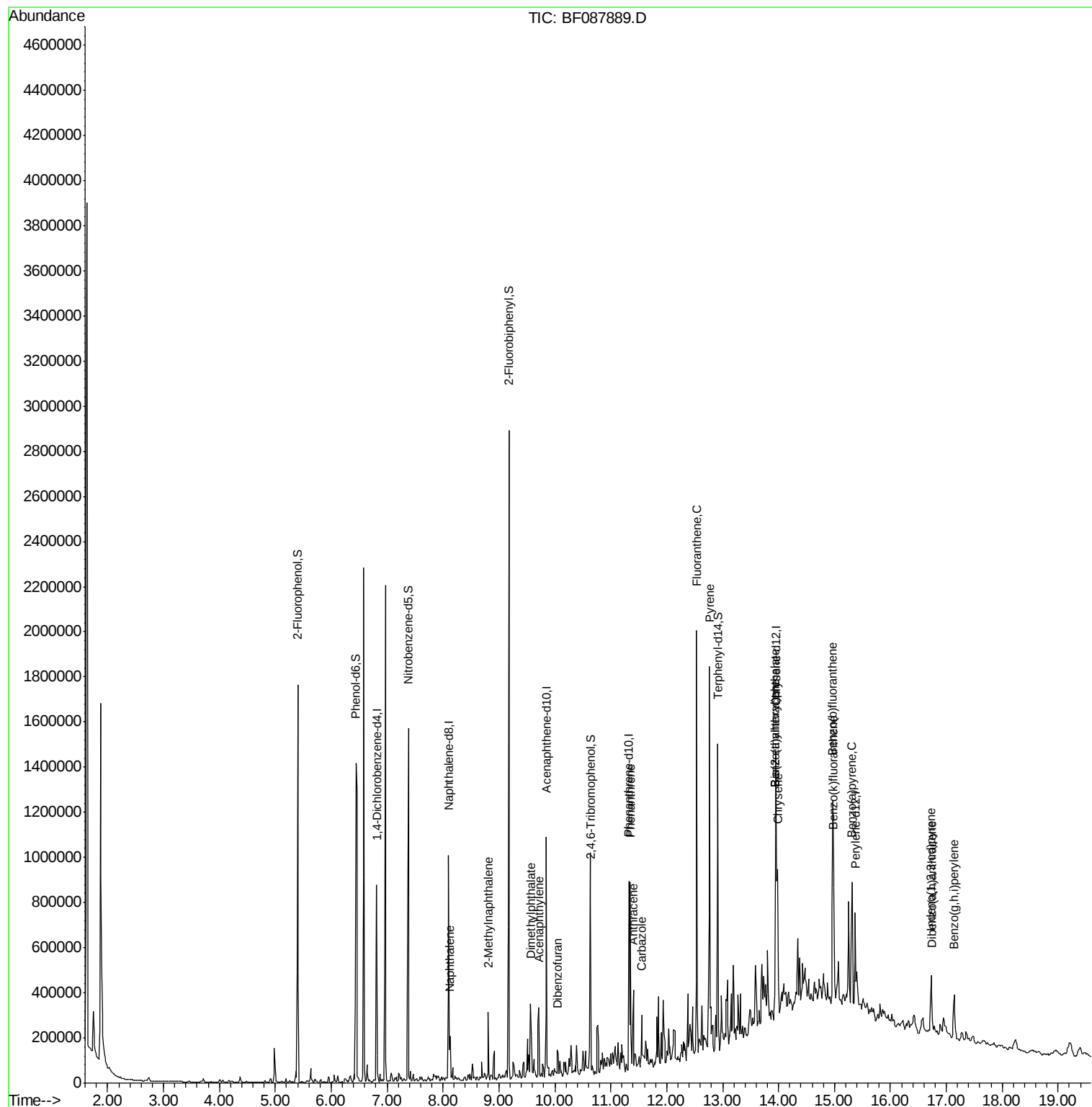
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
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ALS Vial : 22 Sample Multiplier: 1

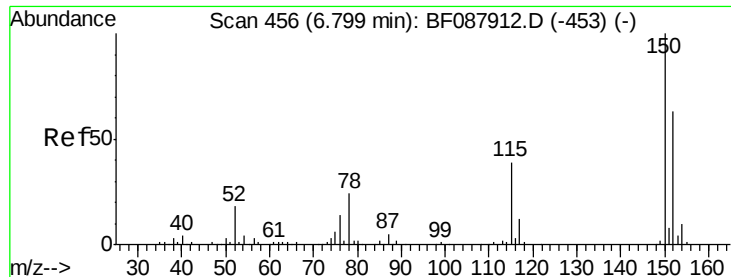
Instrument :
BNA_F
ClientSampleId :
STA-964-PLATFORM(0-4)

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#1

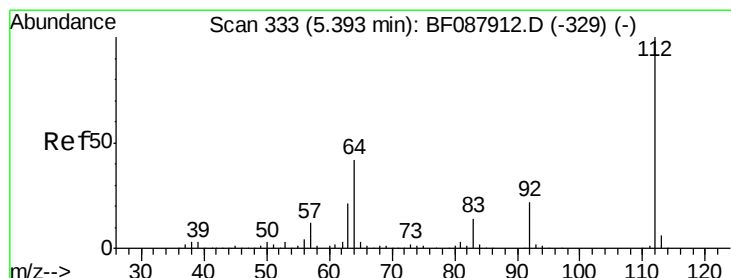
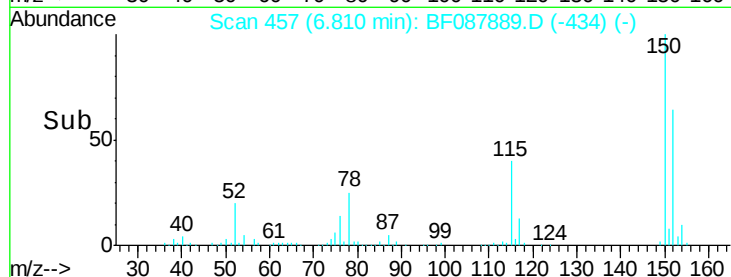
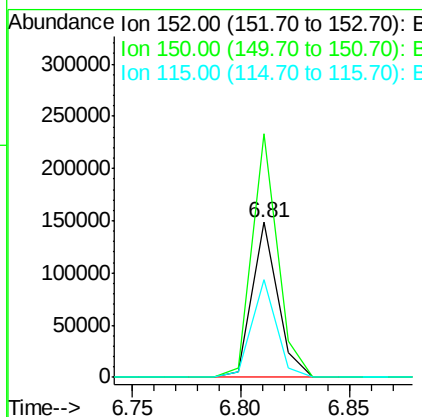
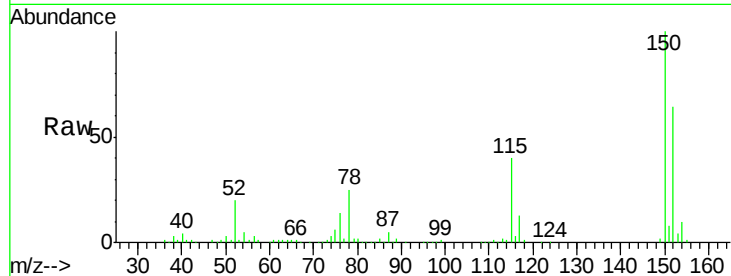
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF087889.D
Acq: 10 Jun 2016 22:15

Instrument :
BNA_F
ClientSampleId :
STA-964-PLATFORM(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	122038		
150	156.9	123.8	185.6	
115	63.2	39.6	59.4	

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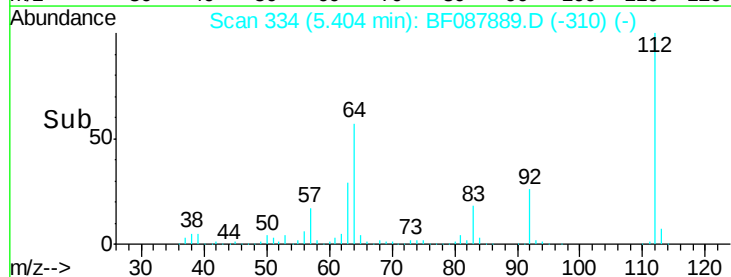
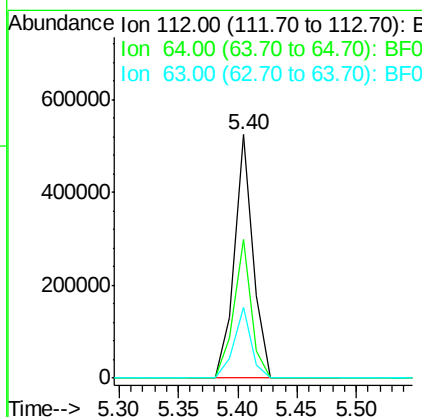
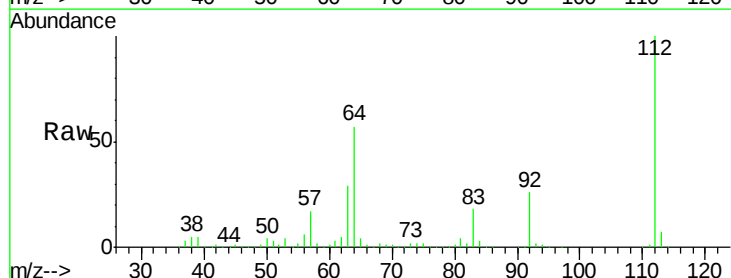
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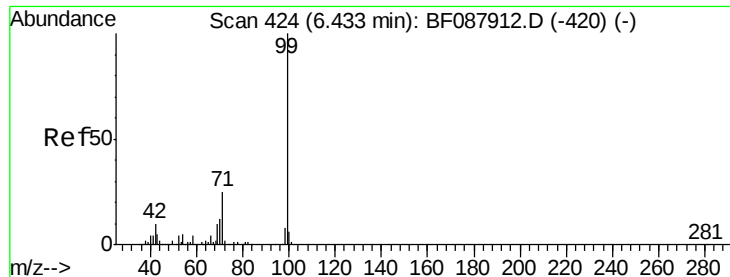


#5

2-Fluorophenol
Concen: 80.34 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF087889.D
Acq: 10 Jun 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	573485		
64	57.1	42.2	63.2	
63	29.3	21.8	32.8	





#7

Phenol-d6

Concen: 93.65 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087889.D

Acq: 10 Jun 2016 22:15

Instrument :

BNA_F

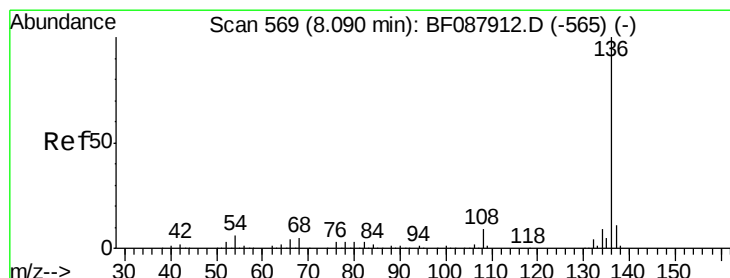
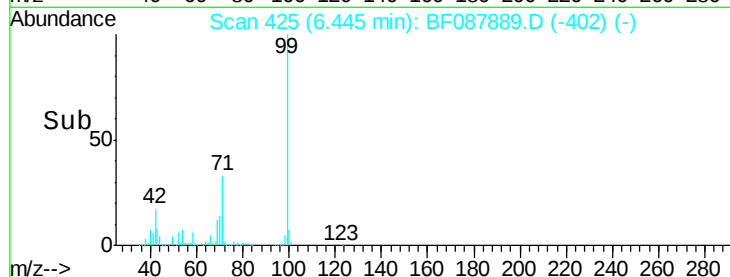
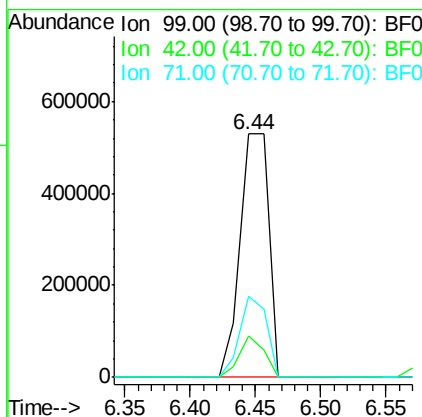
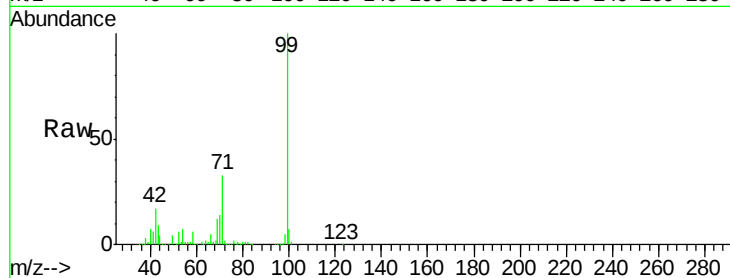
ClientSampleId :

STA-964-PLATFORM(0-4)

Tot Ion:	99	Resp:	810193
Ion Ratio		Lower	Upper
99	100		
42	16.9	12.2	18.2
71	33.1	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

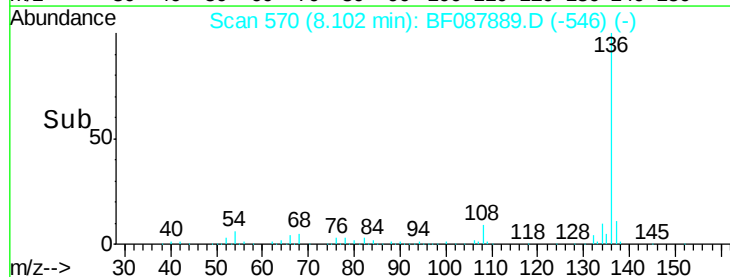
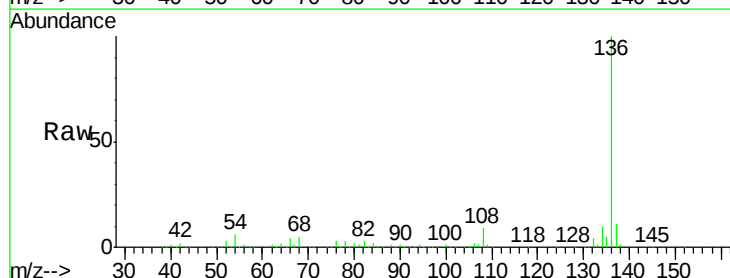
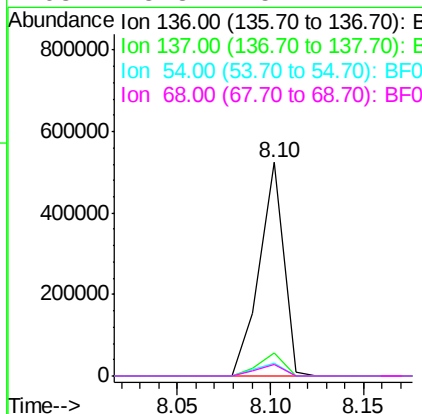
RT: 8.10 min Scan# 570

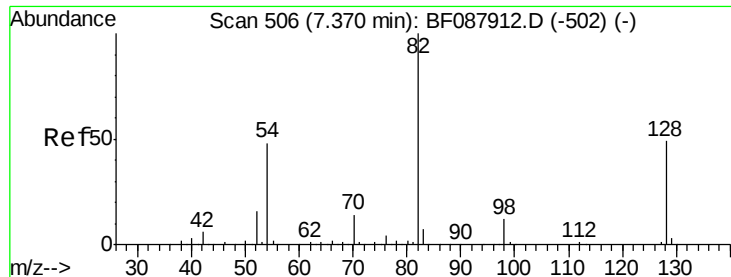
Delta R.T. -0.02 min

Lab File: BF087889.D

Acq: 10 Jun 2016 22:15

Tgt Ion:	136	Resp:	474545
Ion Ratio		Lower	Upper
136	100		
137	10.8	9.1	13.7
54	6.1	6.6	10.0#
68	5.3	5.1	7.7





#23

Nitrobenzene-d5

Concen: 72.29 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087889.D

Acq: 10 Jun 2016 22:15

Instrument :

BNA_F

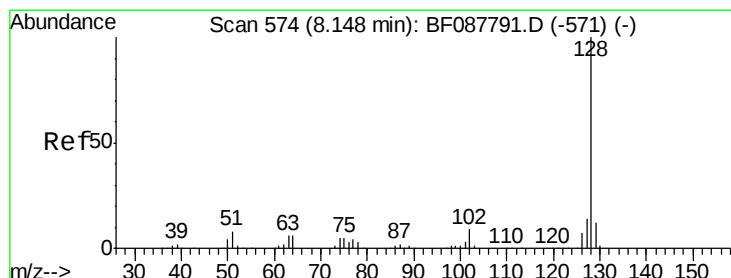
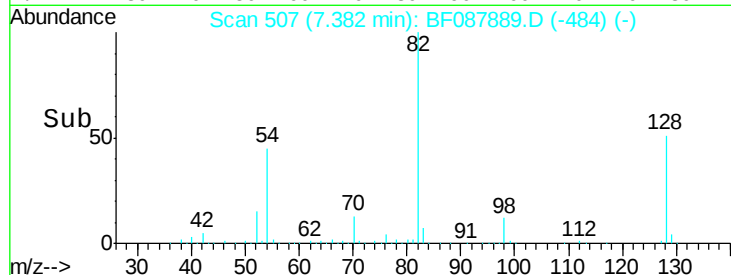
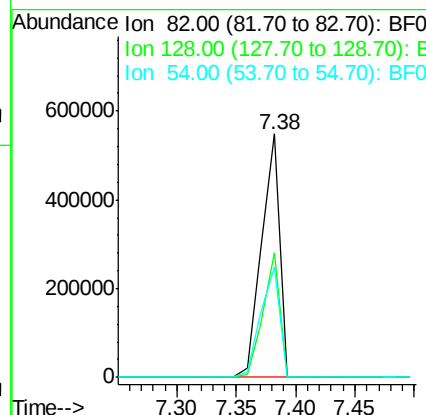
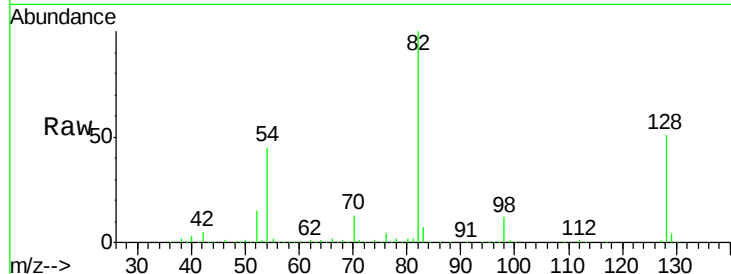
ClientSampleId :

STA-964-PLATFORM(0-4)

Tot Ion:	82	Resp:	587432
Ion Ratio	Lower	Upper	
82	100		
128	51.1	35.9	53.9
54	45.2	40.9	61.3

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#31

Naphthalene

Concen: 4.42 ng

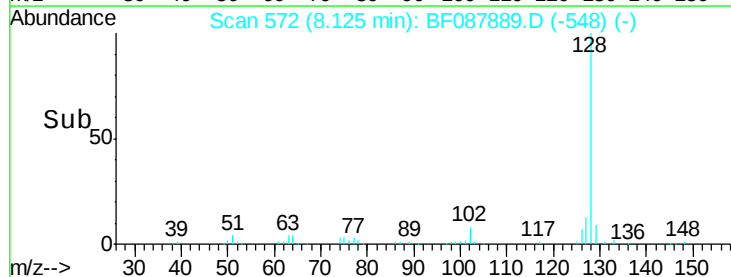
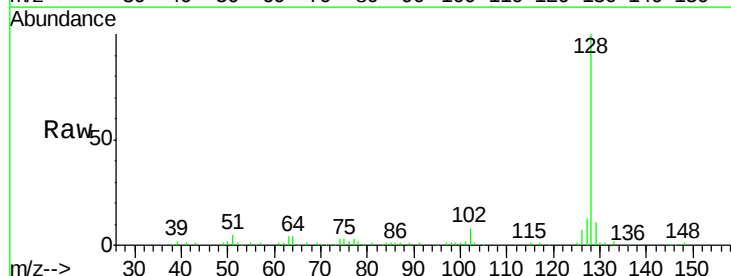
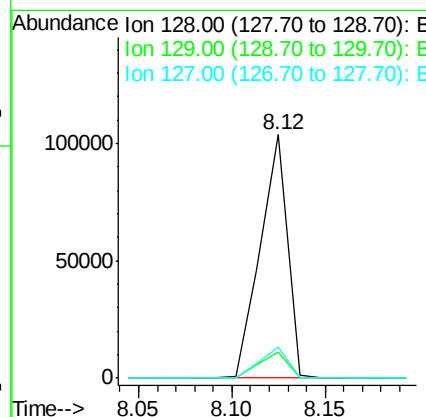
RT: 8.12 min Scan# 572

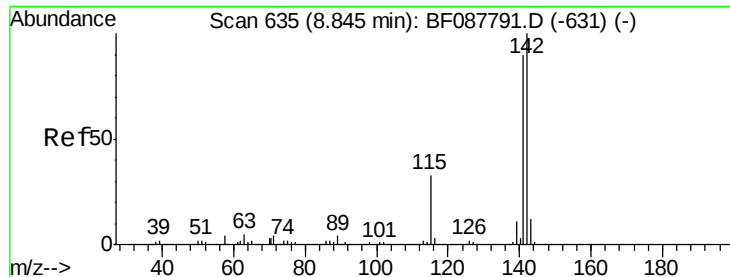
Delta R.T. -0.02 min

Lab File: BF087889.D

Acq: 10 Jun 2016 22:15

Tgt Ion:	128	Resp:	103819
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.4	14.2
127	13.0	10.9	16.3





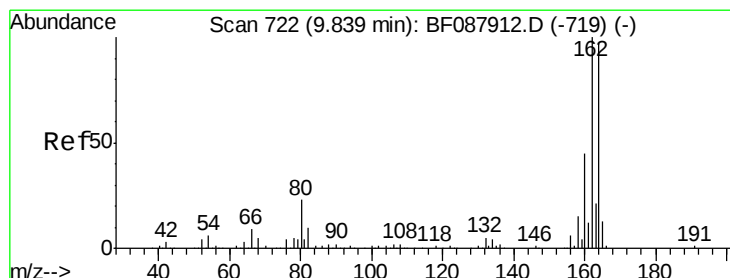
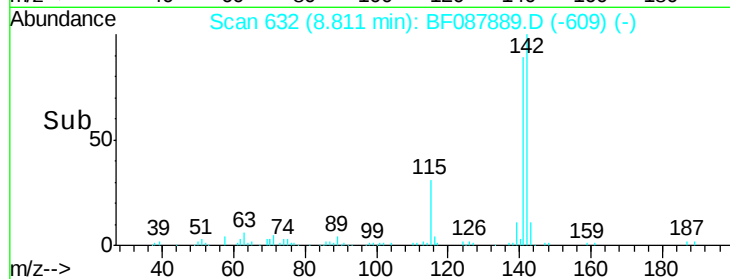
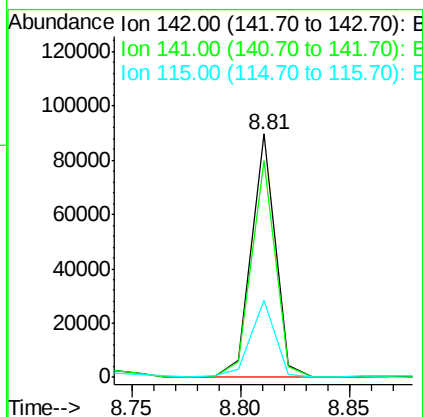
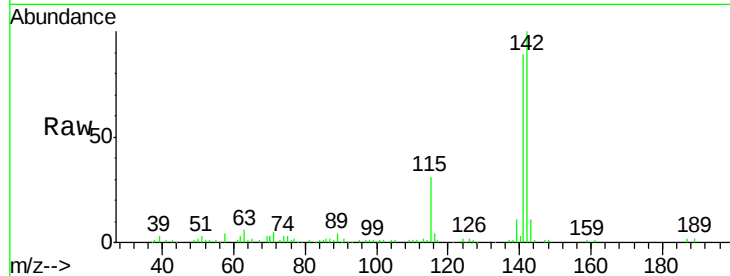
#37
2-Methylnaphthalene
Concen: 4.45 ng
RT: 8.81 min Scan# 632
Delta R.T. -0.03 min
Lab File: BF087889.D
Acq: 10 Jun 2016 22:15

Instrument :
BNA_F
ClientSampleId :
STA-964-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.0	106.6
115	31.5	22.6	33.8

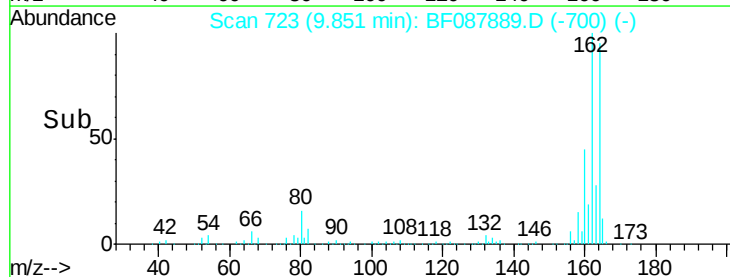
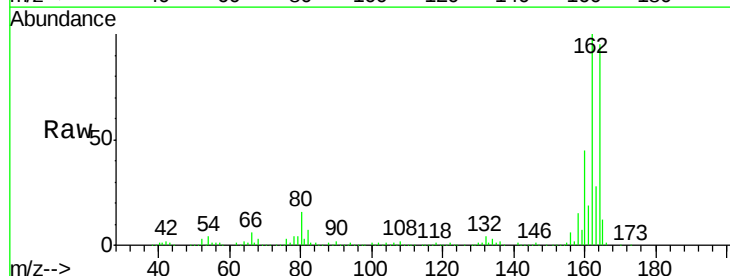
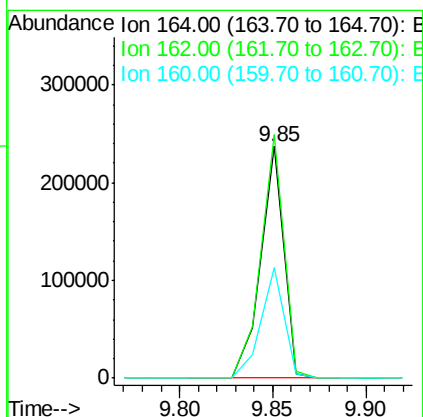
Manual Integrations
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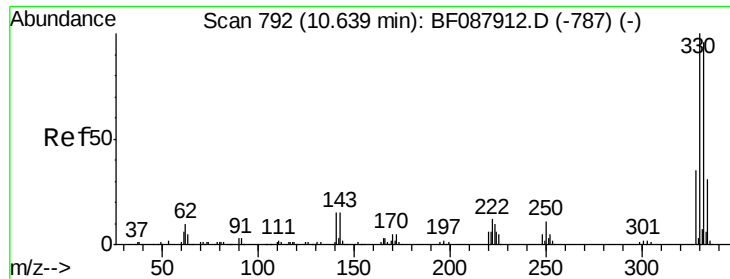
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF087889.D
Acq: 10 Jun 2016 22:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	85.4	128.2
160	47.6	39.5	59.3





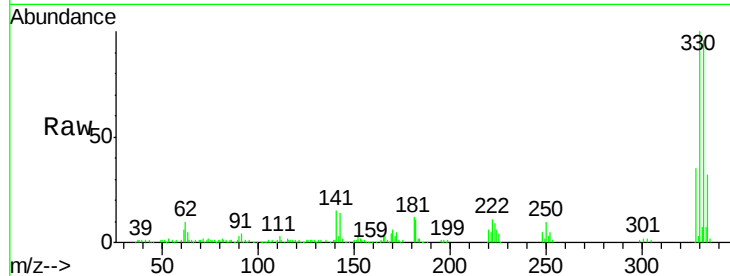
#41
 2,4,6-Tribromophenol
 Concen: 71.68 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087889.D
 Acq: 10 Jun 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 STA-964-PLATFORM(0-4)

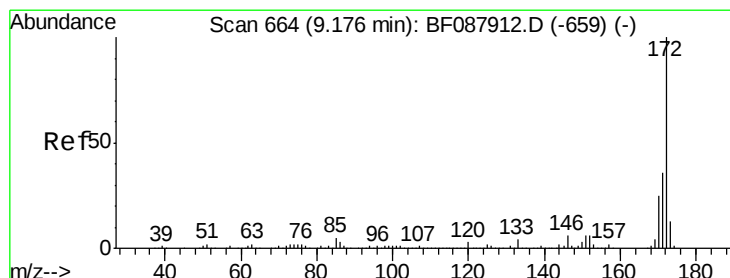
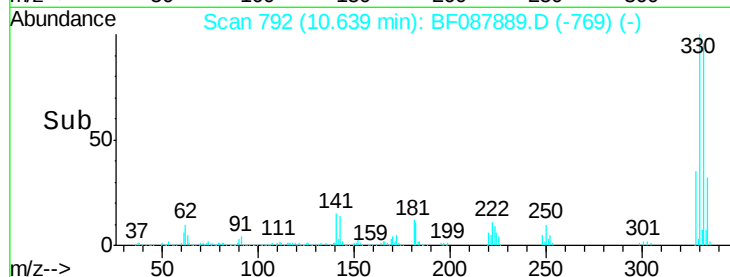
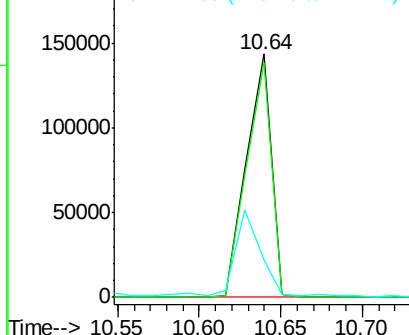
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	37.7	0.0	0.0#

Manual Integrations
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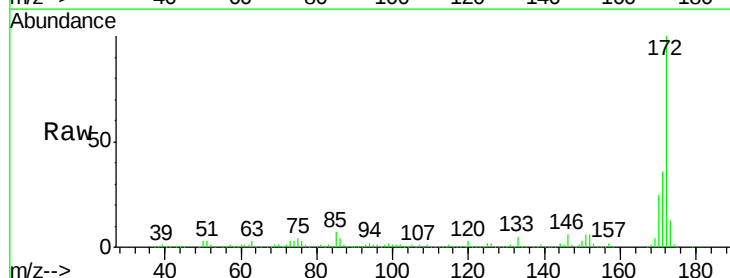


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

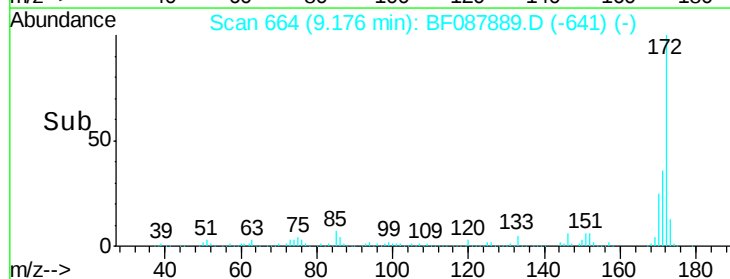
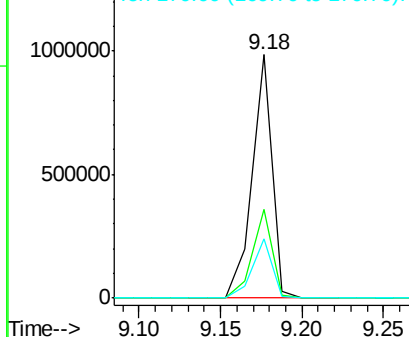


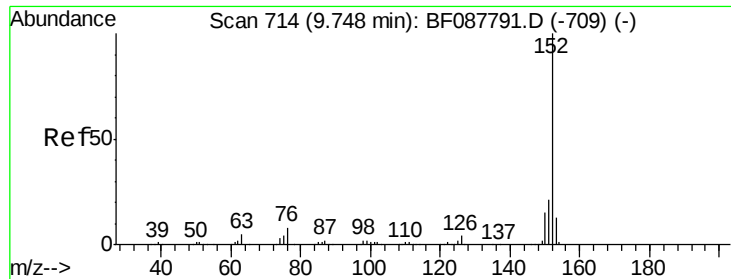
#44
 2-Fluorobiphenyl
 Concen: 63.57 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087889.D
 Acq: 10 Jun 2016 22:15

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.4	28.6	43.0
170	24.6	19.2	28.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





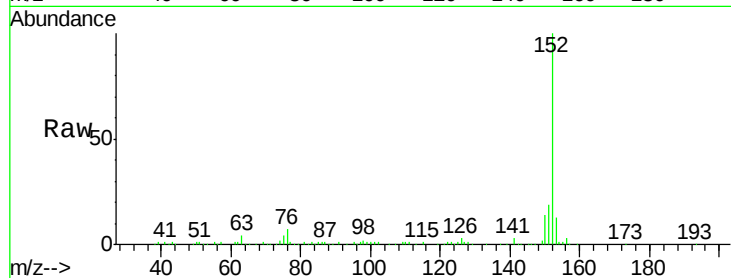
#48
Acenaphthylene
Concen: 8.68 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF087889.D
Acq: 10 Jun 2016 22:15

Instrument :
BNA_F
ClientSampleId :
STA-964-PLATFORM(0-4)

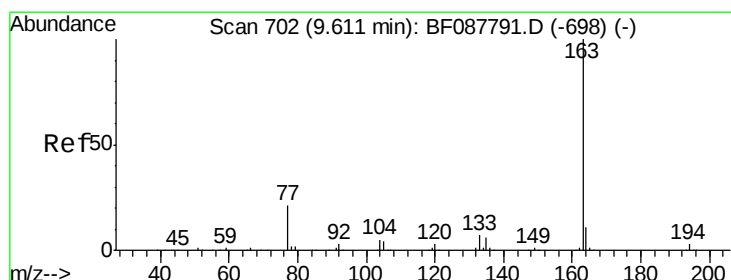
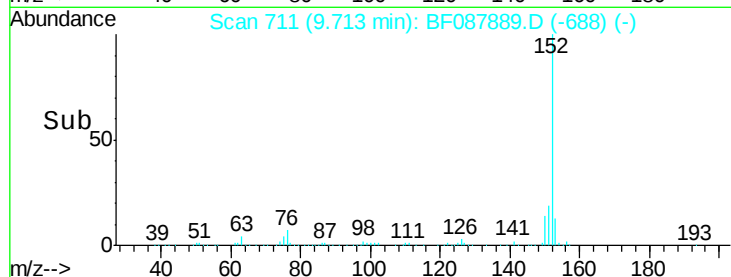
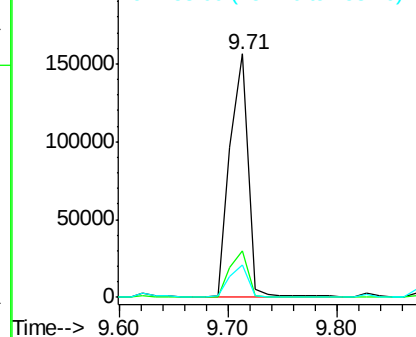
Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.2	24.4
153	13.1	11.0	16.6

Manual Integrations
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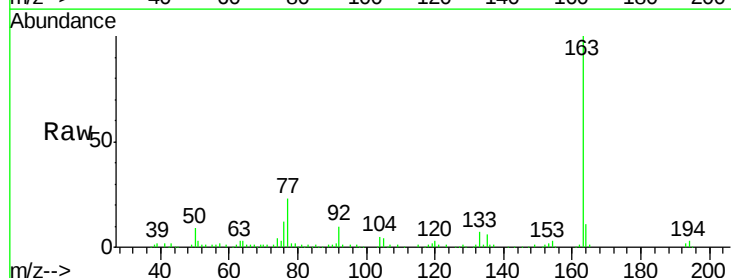


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

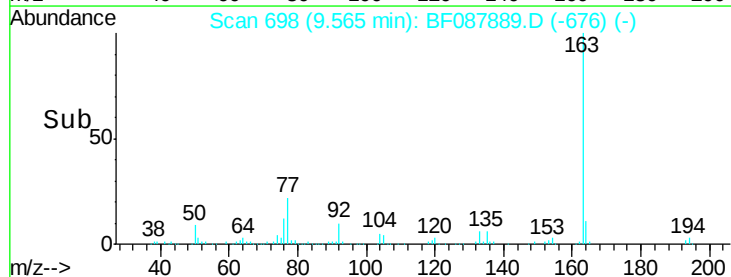
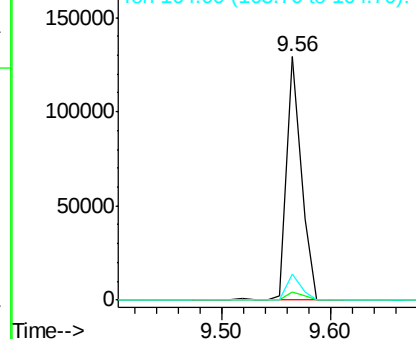


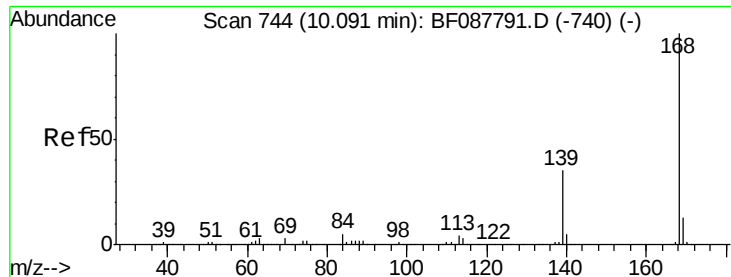
#49
Dimethylphthalate
Concen: 8.38 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF087889.D
Acq: 10 Jun 2016 22:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	10.7	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





#54

Dibenzofuran

Concen: 2.15 ng

RT: 10.06 min Scan# 741

Delta R.T. -0.03 min

Lab File: BF087889.D

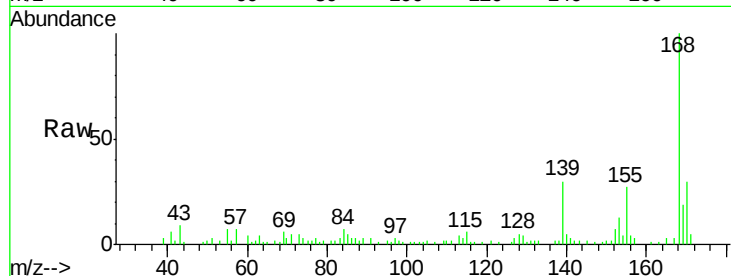
Acq: 10 Jun 2016 22:15

Instrument :

BNA_F

ClientSampleId :

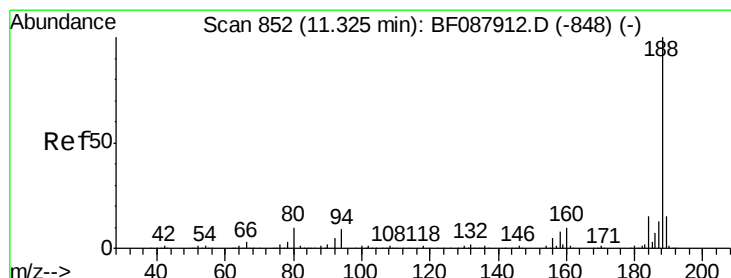
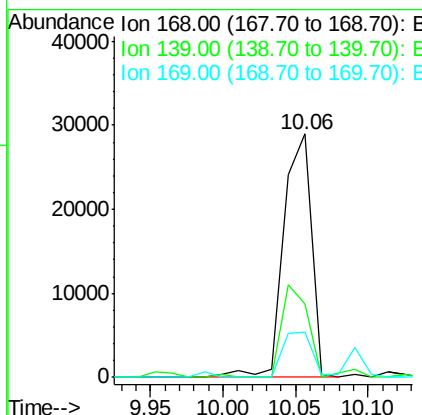
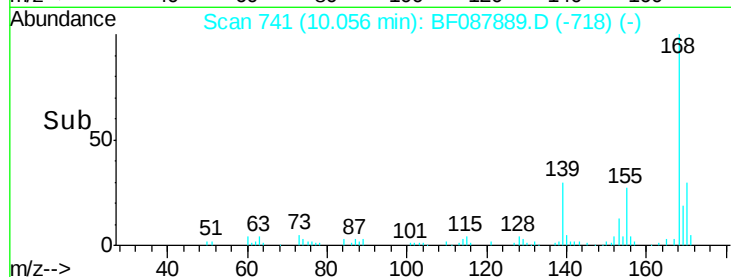
STA-964-PLATFORM(0-4)



Tot Ion:	168	Resp:	38327
Ion Ratio	Lower	Upper	
168	100		
139	30.3	26.4	39.6
169	18.5	10.4	15.6

Manual Integrations
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6/13/2016 7:11:42 PM



#63

Phenanthrene-d10

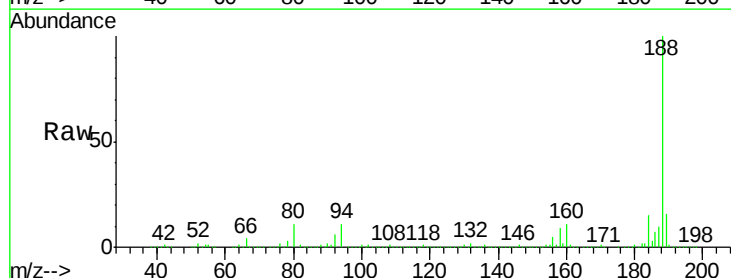
Concen: 20.00 ng

RT: 11.33 min Scan# 852

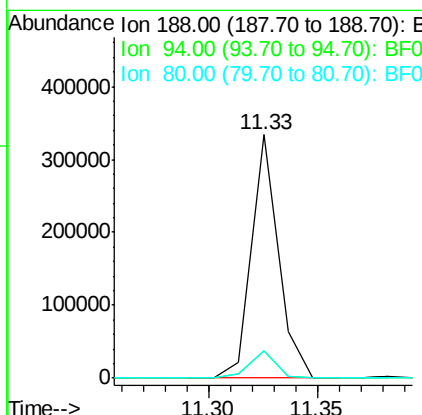
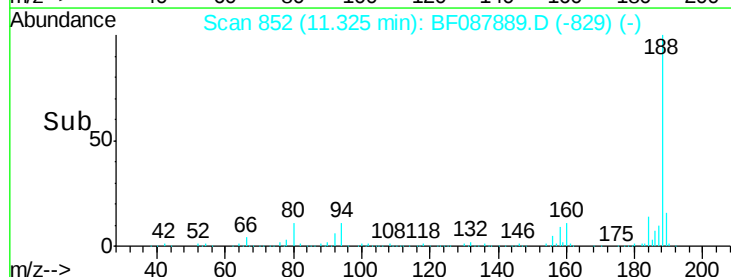
Delta R.T. -0.03 min

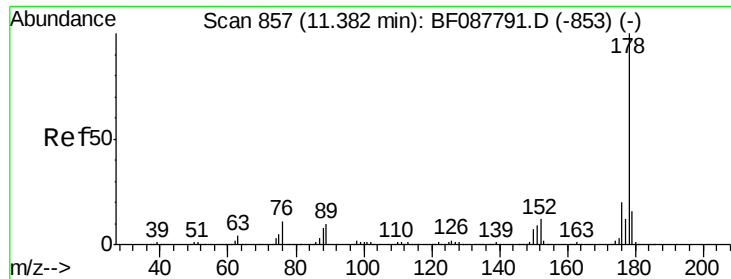
Lab File: BF087889.D

Acq: 10 Jun 2016 22:15



Tgt Ion:	188	Resp:	287781
Ion Ratio	Lower	Upper	
188	100		
94	11.0	9.0	13.6
80	11.3	10.0	15.0





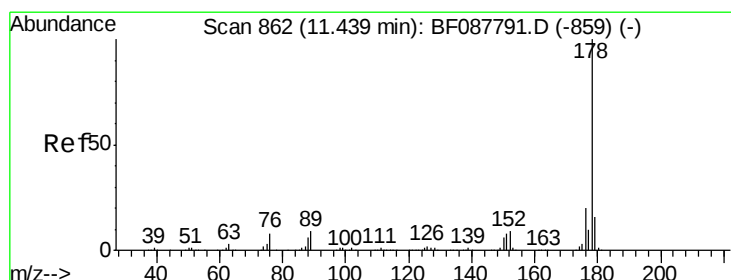
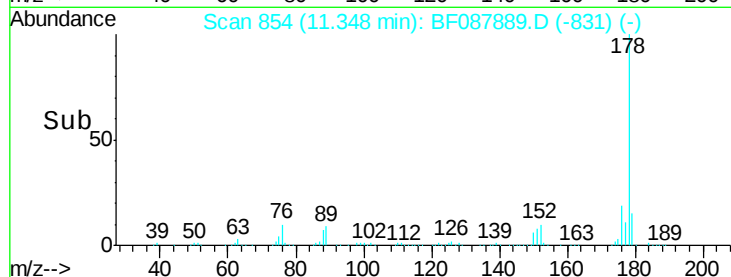
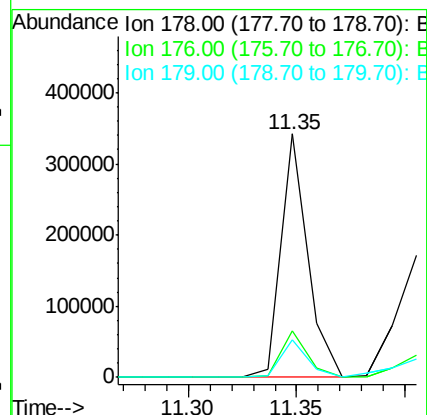
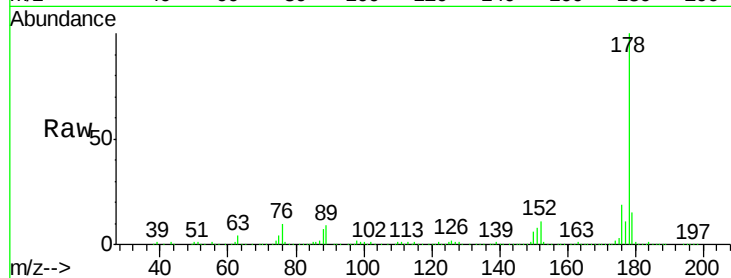
#70
Phenanthrene
Concen: 19.46 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087889.D
Acq: 10 Jun 2016 22:15

Instrument :
BNA_F
ClientSampleId :
STA-964-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	15.5	13.0	19.4

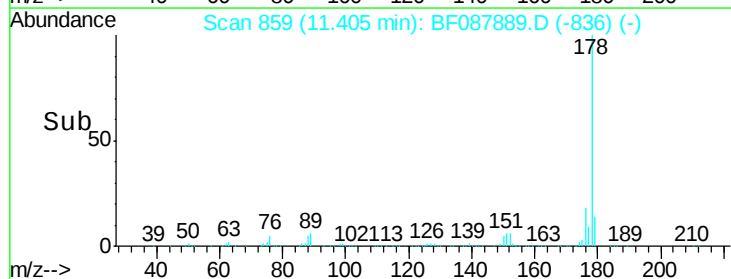
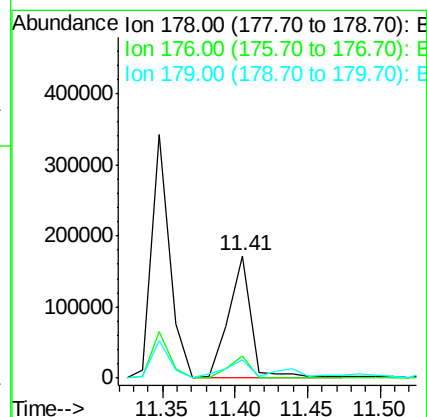
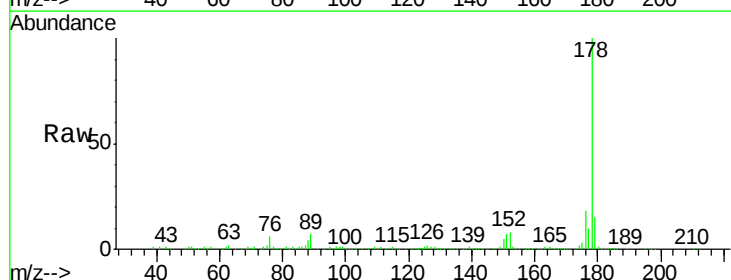
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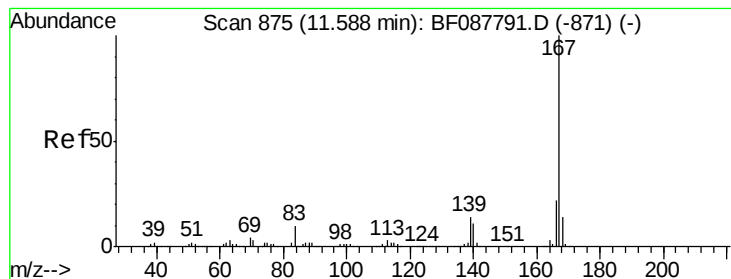
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6/13/2016 7:11:42 PM



#71
Anthracene
Concen: 11.87 ng
RT: 11.41 min Scan# 859
Delta R.T. -0.03 min
Lab File: BF087889.D
Acq: 10 Jun 2016 22:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	15.0	12.8	19.2





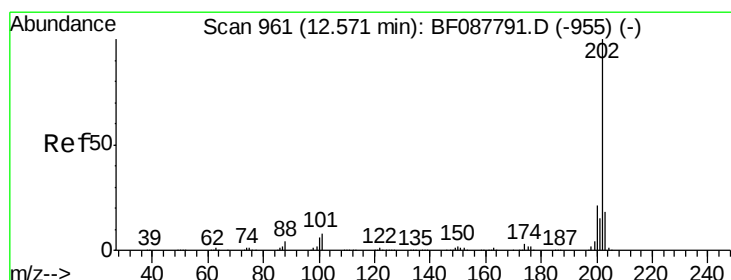
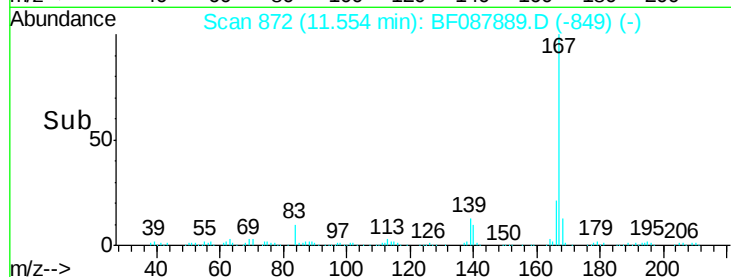
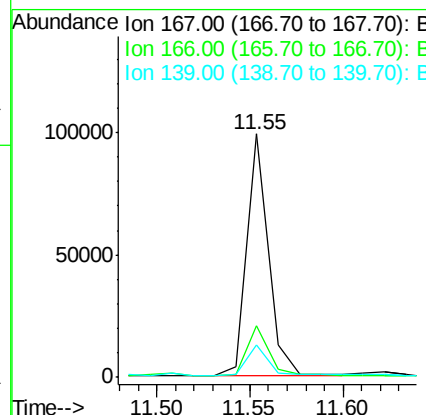
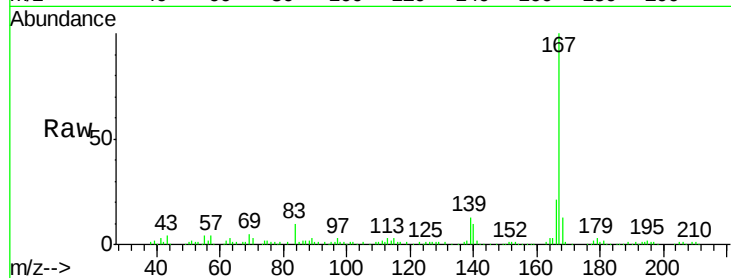
#72
 Carbazole
 Concen: 5.68 ng
 RT: 11.55 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: BF087889.D
 Acq: 10 Jun 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 STA-964-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.8	26.6
139	13.1	11.2	16.8

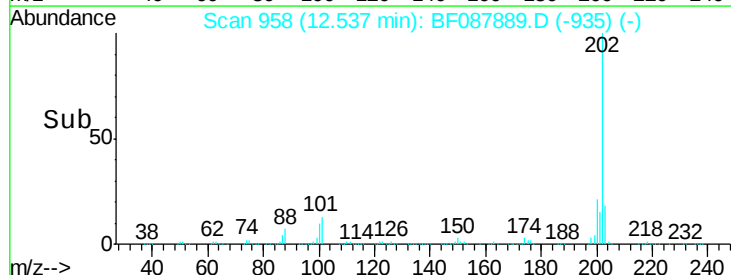
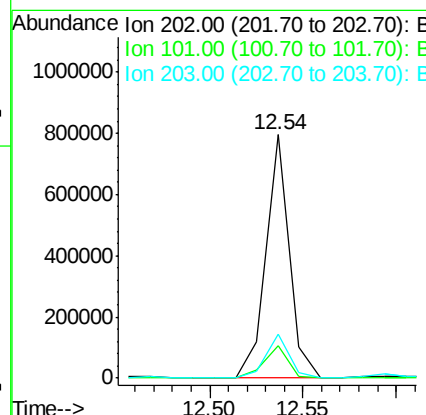
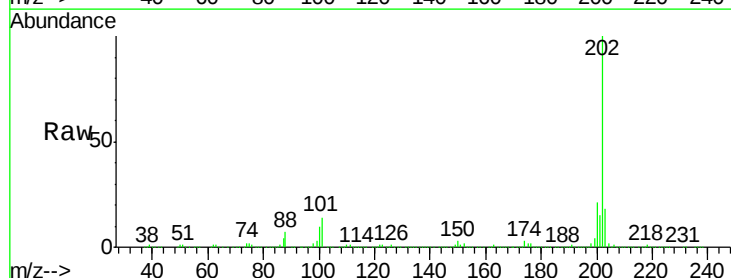
Manual Integrations
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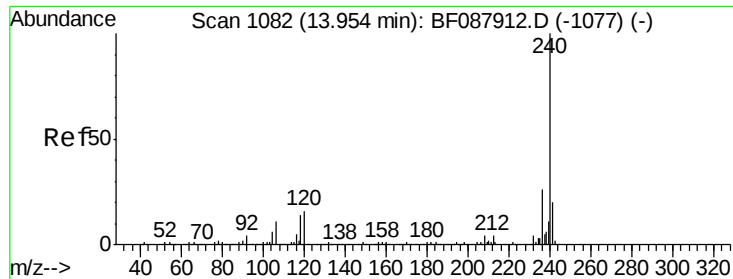
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#74
 Fluoranthene
 Concen: 43.61 ng
 RT: 12.54 min Scan# 958
 Delta R.T. -0.03 min
 Lab File: BF087889.D
 Acq: 10 Jun 2016 22:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.1
203	17.9	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: BF087889.D

Acq: 10 Jun 2016 22:15

Instrument :

BNA_F

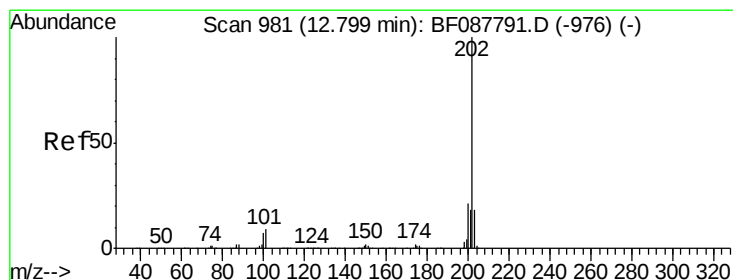
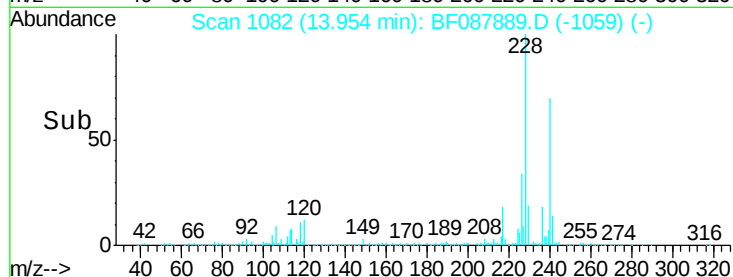
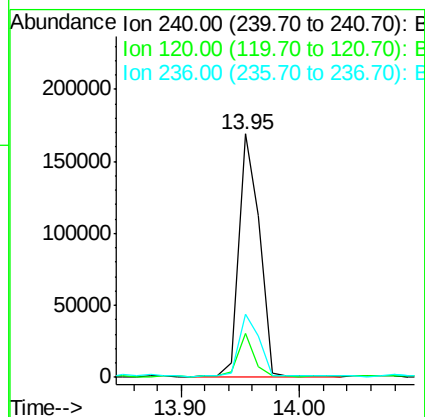
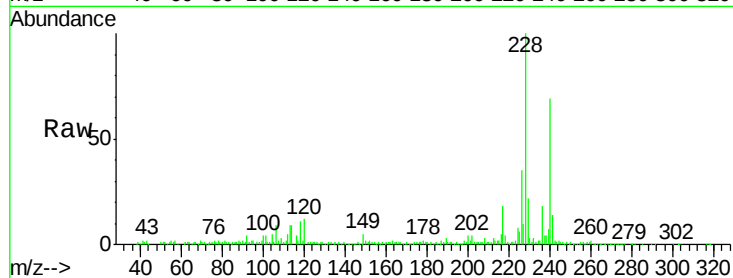
ClientSampleId :

STA-964-PLATFORM(0-4)

Tot Ion:	240	Resp:	202353
Ion Ratio	Lower	Upper	
240	100		
120	17.9	6.8	10.2#
236	25.8	20.2	30.2

Manual Integrations
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#77

Pyrene

Concen: 46.12 ng

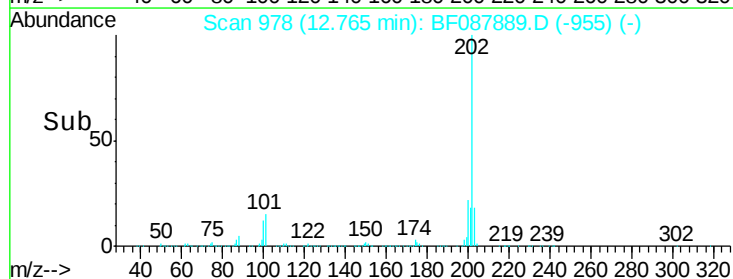
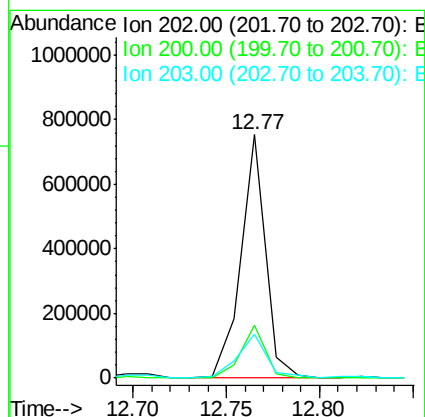
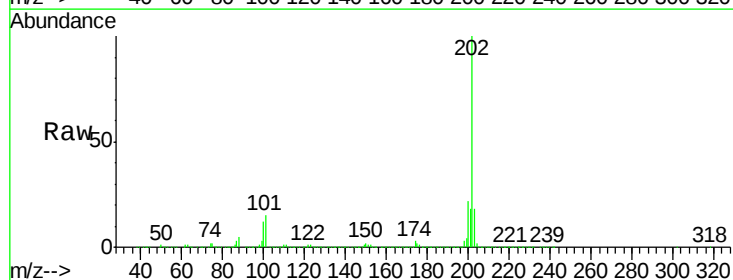
RT: 12.77 min Scan# 978

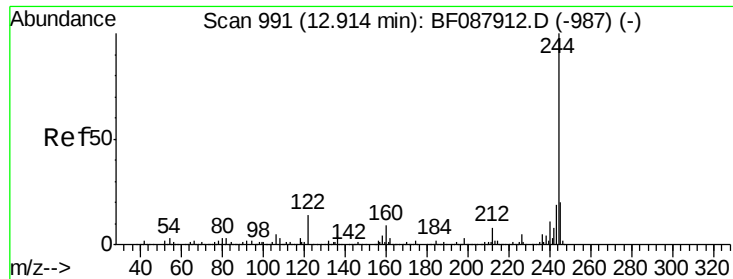
Delta R.T. -0.03 min

Lab File: BF087889.D

Acq: 10 Jun 2016 22:15

Tgt Ion:	202	Resp:	692482
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	18.2	14.5	21.7





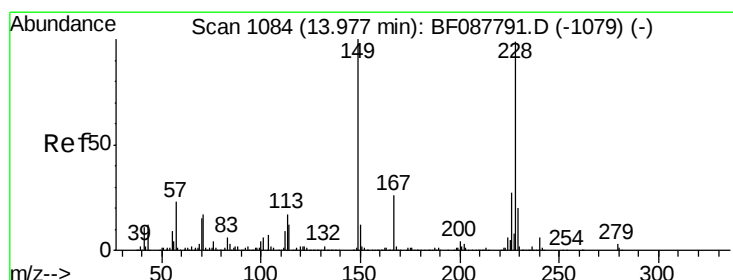
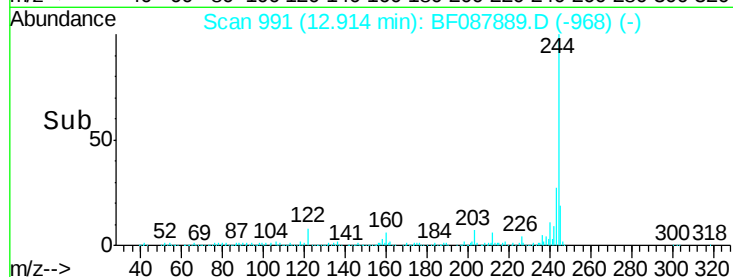
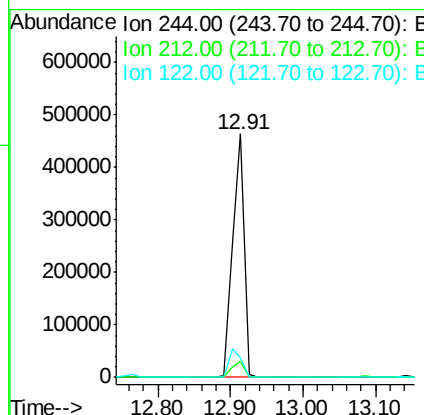
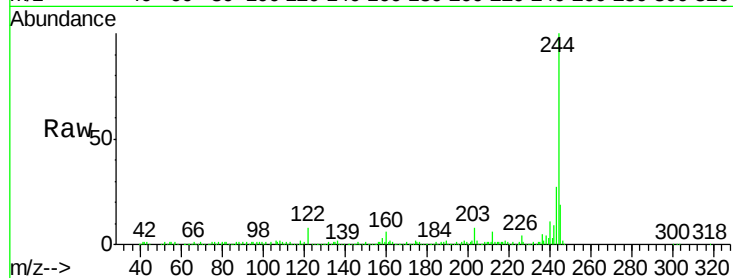
#78
 Terphenyl-d14
 Concen: 57.12 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087889.D
 Acq: 10 Jun 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 STA-964-PLATFORM(0-4)

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	6.0	9.0
122	8.1	11.2	16.8#

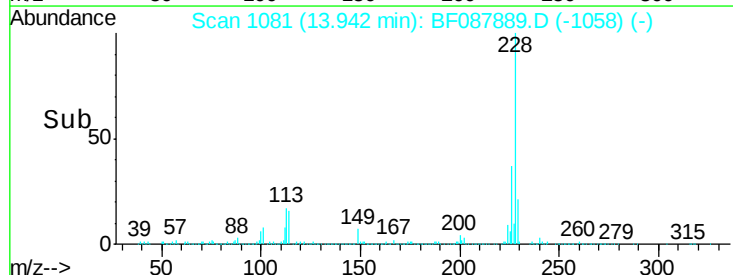
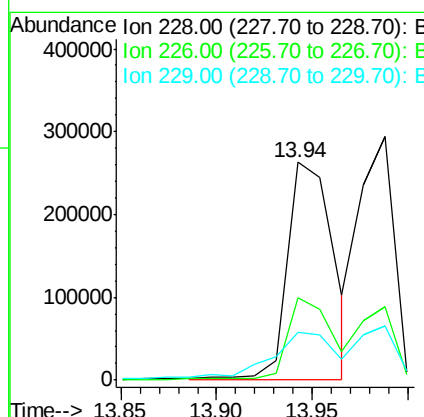
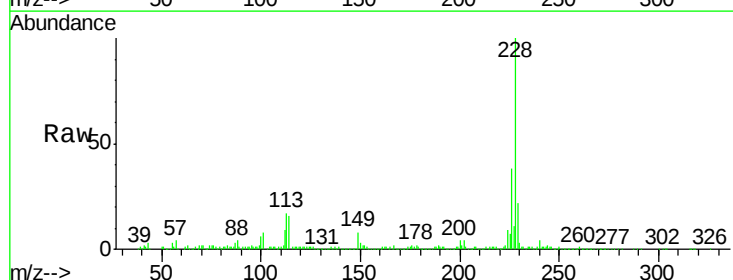
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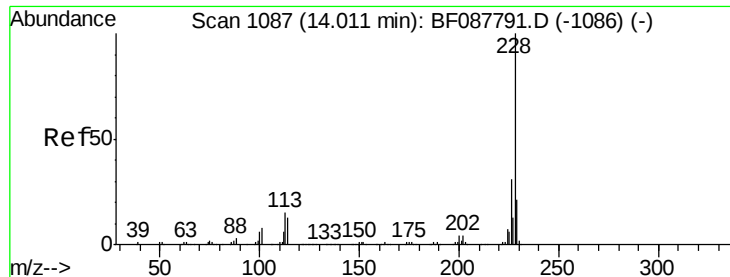
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#80
 Benzo(a)anthracene
 Concen: 38.43 ng m
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.03 min
 Lab File: BF087889.D
 Acq: 10 Jun 2016 22:15

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	37.6	22.3	33.5#
229	22.0	16.0	24.0





#82

Chrysene

Concen: 34.18 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BF087889.D

Acq: 10 Jun 2016 22:15

Instrument :

BNA_F

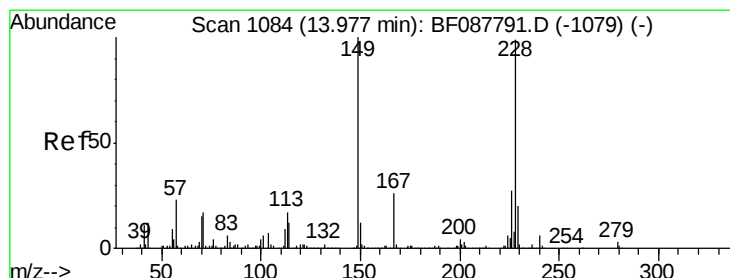
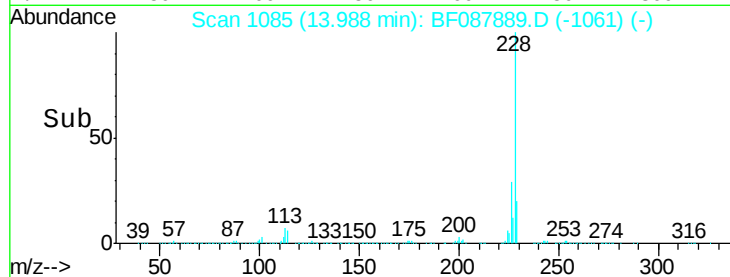
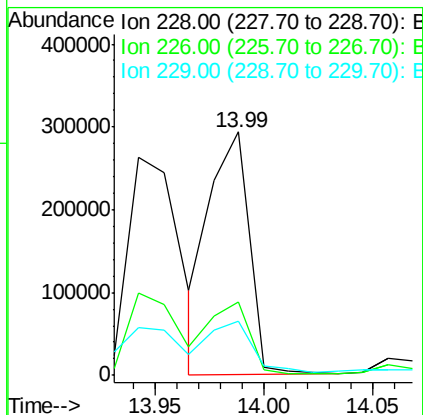
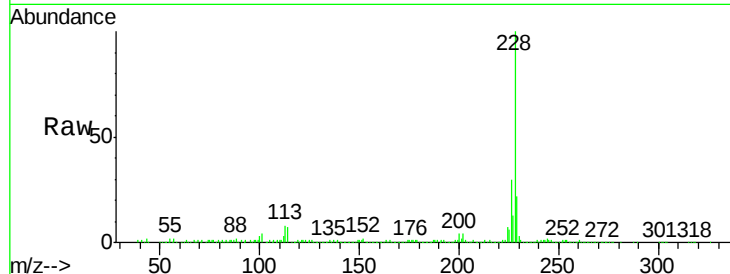
ClientSampleId :

STA-964-PLATFORM(0-4)

Tot Ion:	228	Resp:	370762
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.4	38.2
229	22.4	16.3	24.5

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6/13/2016 7:11:42 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.75 ng

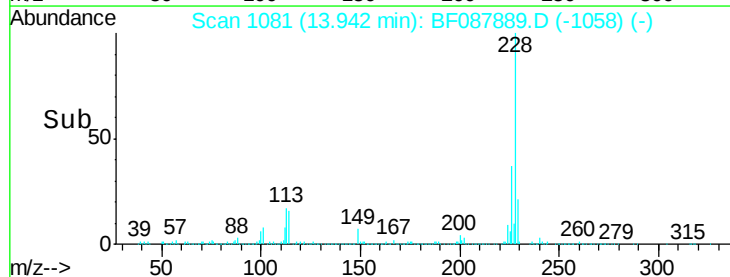
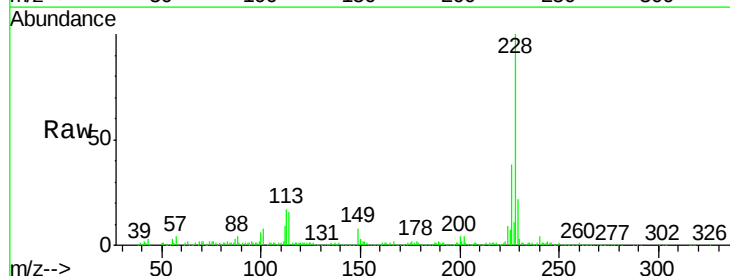
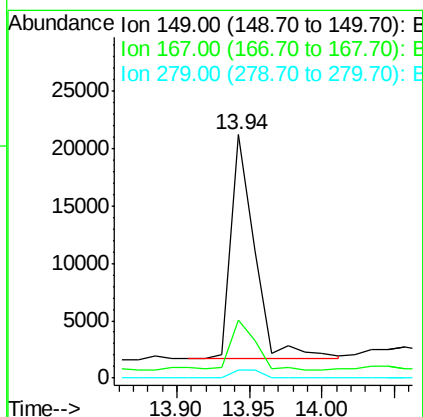
RT: 13.94 min Scan# 1081

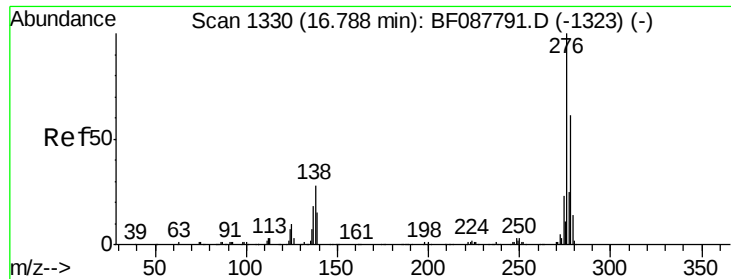
Delta R.T. -0.03 min

Lab File: BF087889.D

Acq: 10 Jun 2016 22:15

Tgt Ion:	149	Resp:	22227
Ion Ratio	Lower	Upper	
149	100		
167	23.8	20.5	30.7
279	3.1	2.0	3.0#





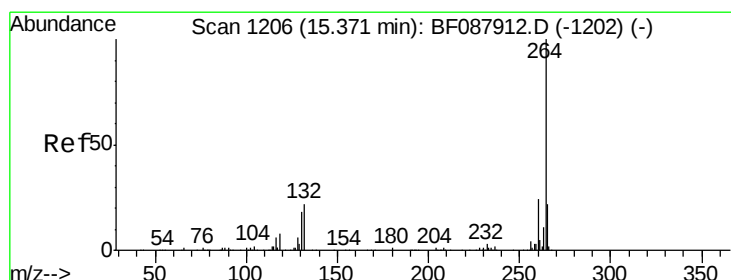
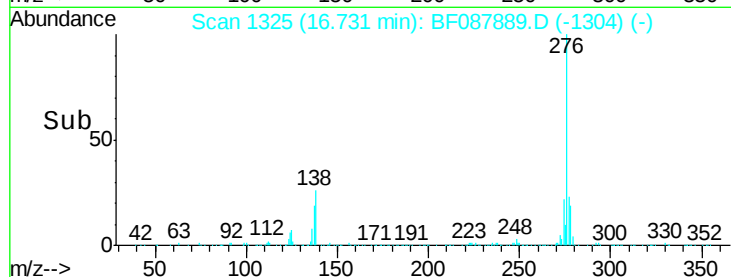
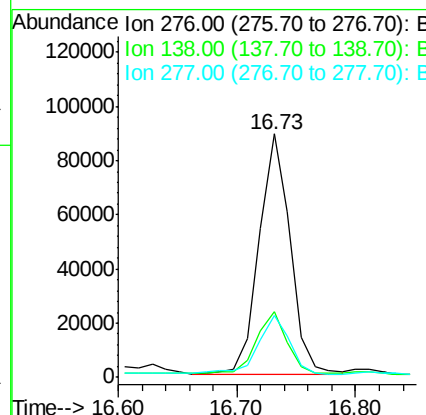
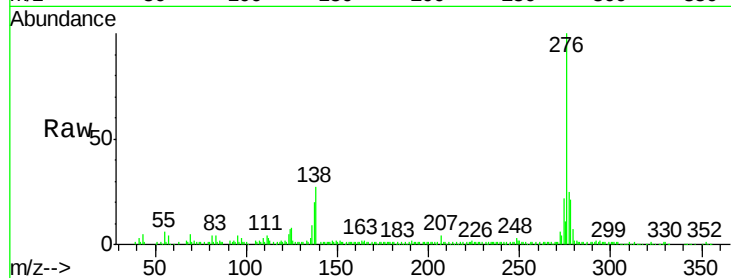
#85
Indeno(1,2,3-cd)pyrene
Concen: 16.14 ng
RT: 16.73 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF087889.D
Acq: 10 Jun 2016 22:15

Instrument :
BNA_F
ClientSampleId :
STA-964-PLATFORM(0-4)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	26.2	0.0	0.0#
277	25.7	0.0	0.0#

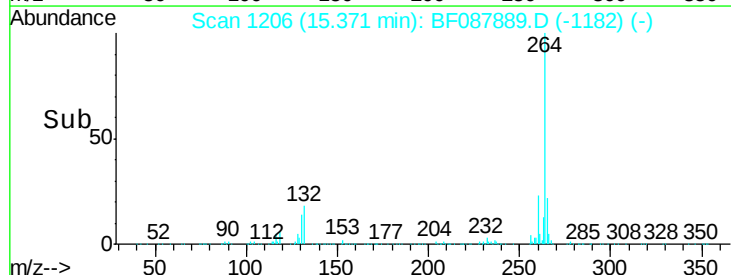
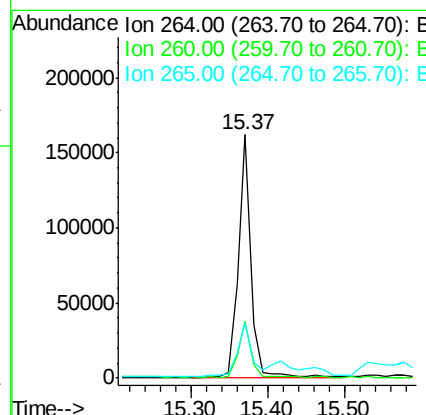
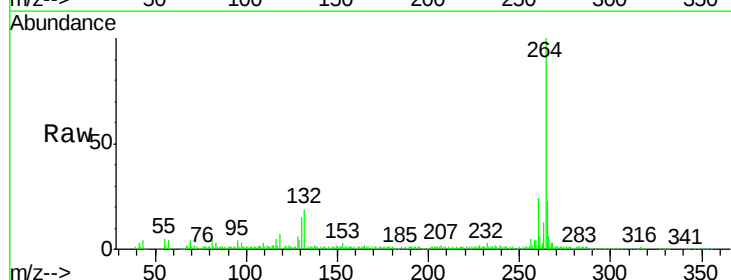
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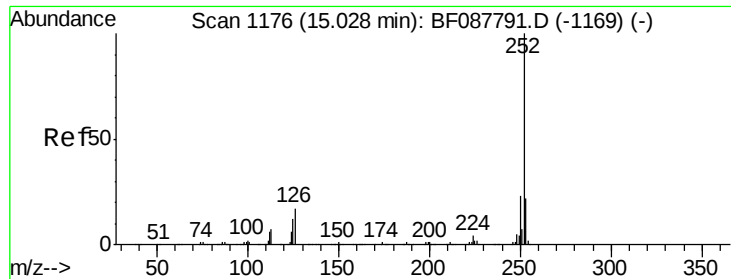
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087889.D
Acq: 10 Jun 2016 22:15

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.5	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 36.28 ng m

RT: 14.97 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BF087889.D

Acq: 10 Jun 2016 22:15

Instrument :

BNA_F

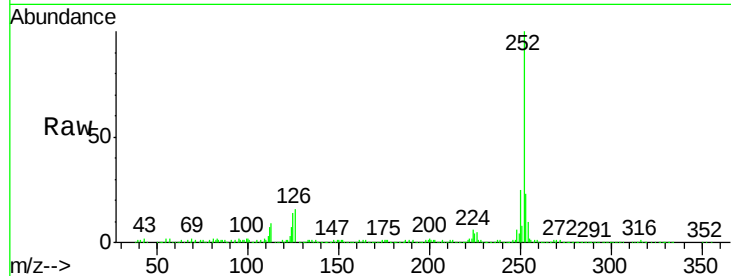
ClientSampleId :

STA-964-PLATFORM(0-4)

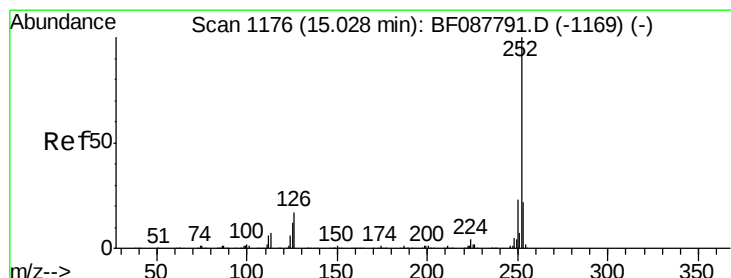
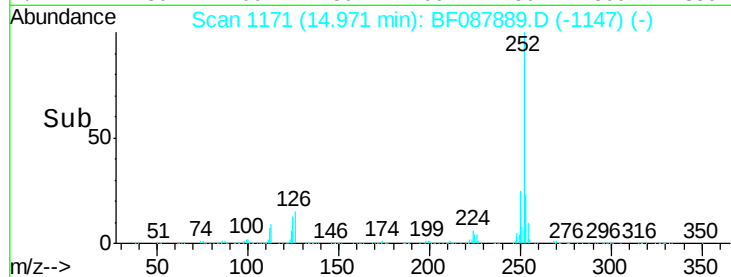
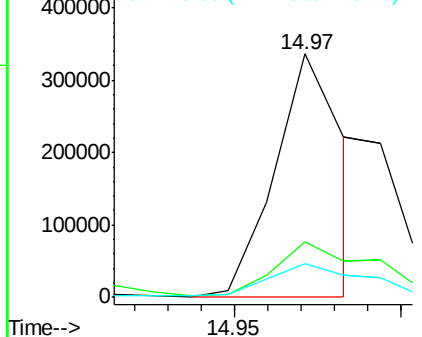
Tot Ion:	252	Resp:	479841
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	13.7	7.1	10.7#

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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: 18.54 ng m

RT: 14.98 min Scan# 1172

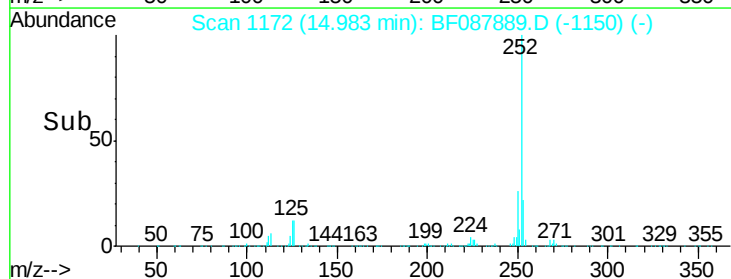
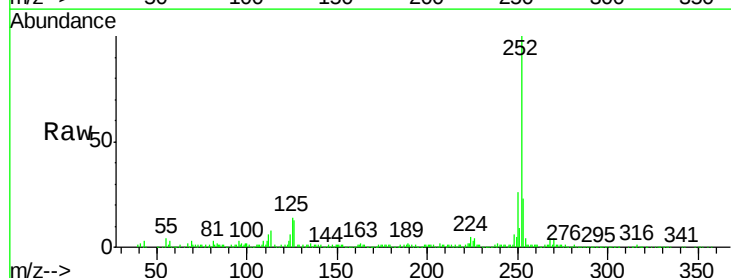
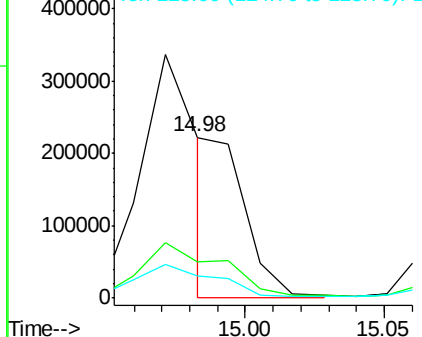
Delta R.T. -0.05 min

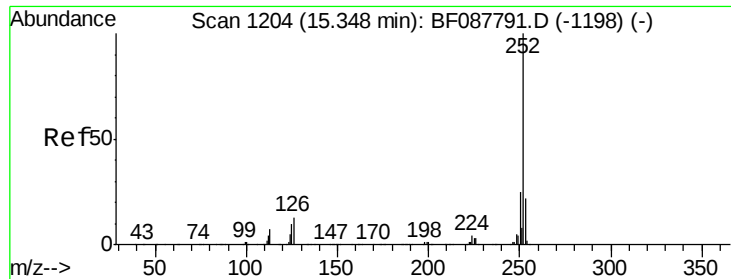
Lab File: BF087889.D

Acq: 10 Jun 2016 22:15

Tgt Ion:	252	Resp:	184964
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	13.6	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





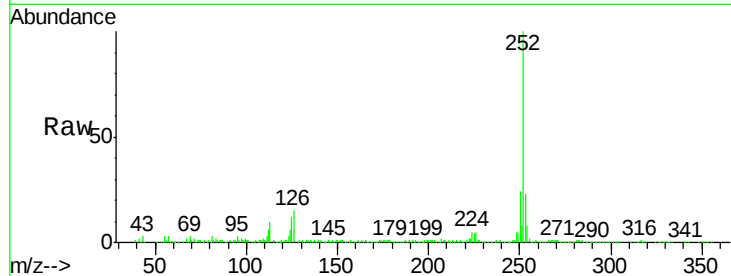
#89
Benzo(a)pyrene
Concen: 25.35 ng/ml
RT: 15.31 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF087889.D
Acq: 10 Jun 2016 22:15

Instrument :
BNA_F
ClientSampleId :
STA-964-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.2	12.5	18.7

Manual Integrations
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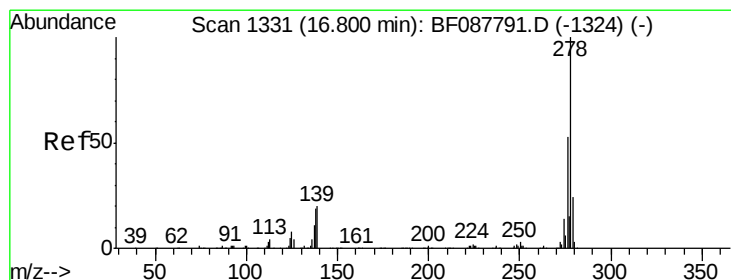
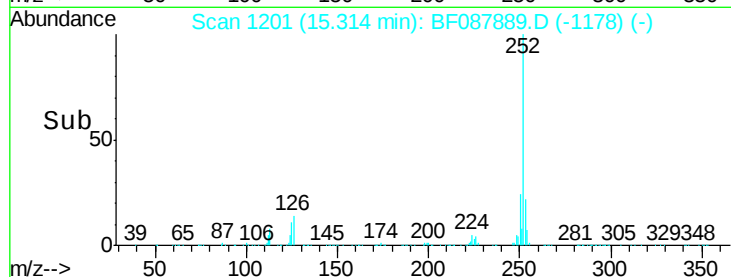
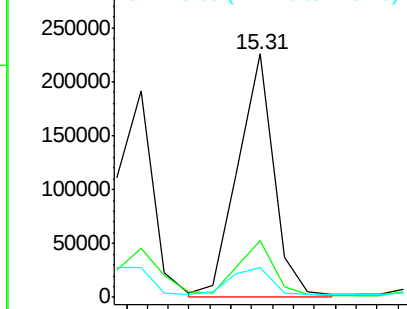


Abundance

Ion 252.00 (251.70 to 252.70): E

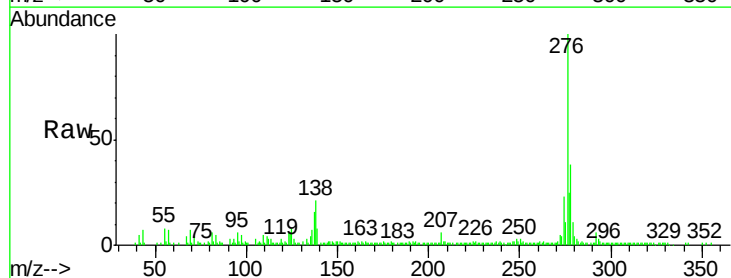
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Dibenzo(a,h)anthracene
Concen: 4.28 ng
RT: 16.74 min Scan# 1326
Delta R.T. -0.06 min
Lab File: BF087889.D
Acq: 10 Jun 2016 22:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.0	15.7	23.5
279	30.2	19.4	29.2

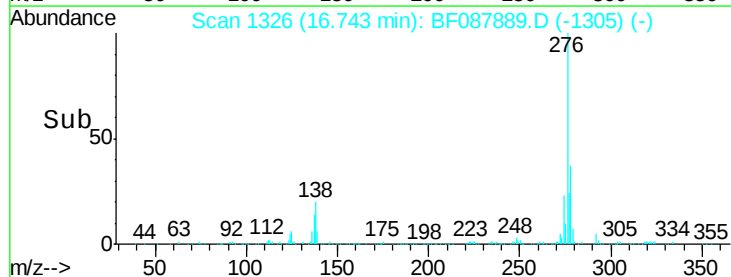
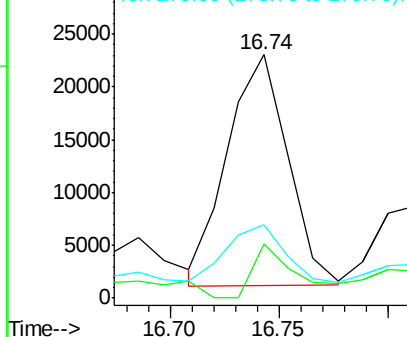


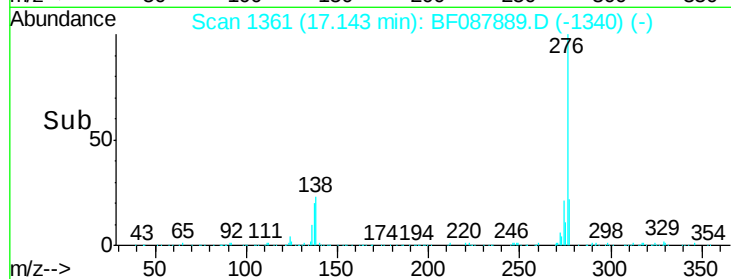
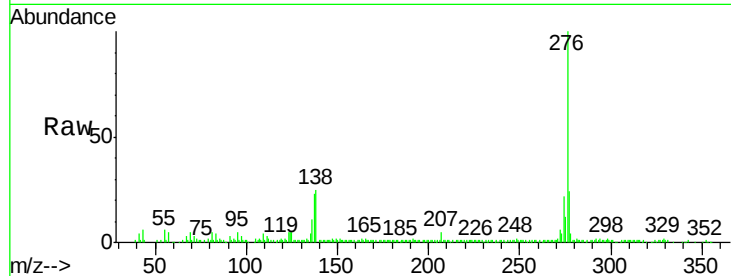
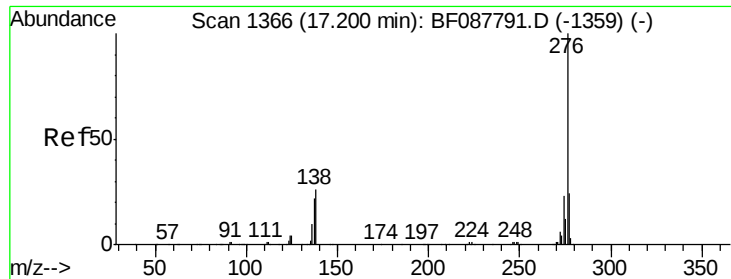
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 14.35 ng

RT: 17.14 min Scan# 1361

Delta R.T. -0.06 min

Lab File: BF087889.D

Acq: 10 Jun 2016 22:15

Instrument :

BNA_F

ClientSampleId :

STA-964-PLATFORM(0-4)

Tot Ion:	276	Resp:	146701
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.9	28.3
138	25.2	21.4	32.2

Manual Integrations
APPROVED

SOHIL
6/13/2016 7:11:42 PM

