

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
 Data File : BF087888.D
 Acq On : 10 Jun 2016 21:46
 Operator : UM/SJ
 Sample : H3395-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-953-PLATFORM(0-4)

Manual Integrations
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 6/13/2016 7:11:38 PM

Quant Time: Jun 11 02:36:33 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	105849	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	458240	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	191995	20.00	ng	-0.03
63) Phenanthrene-d10	11.33	188	289163	20.00	ng	-0.03
75) Chrysene-d12	13.97	240	205173	20.00	ng	-0.02
86) Perylene-d12	15.37	264	201200	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	659863	106.57	ng	-0.01
7) Phenol-d6	6.44	99	832395	110.93	ng	-0.03
23) Nitrobenzene-d5	7.38	82	488659	62.27	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	155318	76.61	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	803997	64.44	ng	-0.03
78) Terphenyl-d14	12.91	244	517195	57.36	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	9.71	152	347031	17.56	ng	98
49) Dimethylphthalate	9.56	163	114582	8.24	ng	100
70) Phenanthrene	11.35	178	236784	15.60	ng	99
71) Anthracene	11.41	178	256183	16.74	ng	97
72) Carbazole	11.55	167	31400	2.19	ng	97
74) Fluoranthene	12.55	202	1736459	108.44	ng	99
77) Pyrene	12.78	202	1622419	106.56	ng	99
80) Benzo(a)anthracene	13.95	228	1017648m	87.04	ng	
82) Chrysene	13.99	228	715998m	65.09	ng	
85) Indeno(1,2,3-cd)pyrene	16.73	276	373159	36.51	ng	# 100
87) Benzo(b)fluoranthene	14.98	252	1147126m	81.80	ng	
88) Benzo(k)fluoranthene	15.01	252	369808m	34.96	ng	
89) Benzo(a)pyrene	15.33	252	739910m	65.21	ng	
90) Dibenzo(a,h)anthracene	16.74	278	103097	9.78	ng	95
91) Benzo(a,h,i)perylene	17.14	276	297721	27.47	ng	98

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

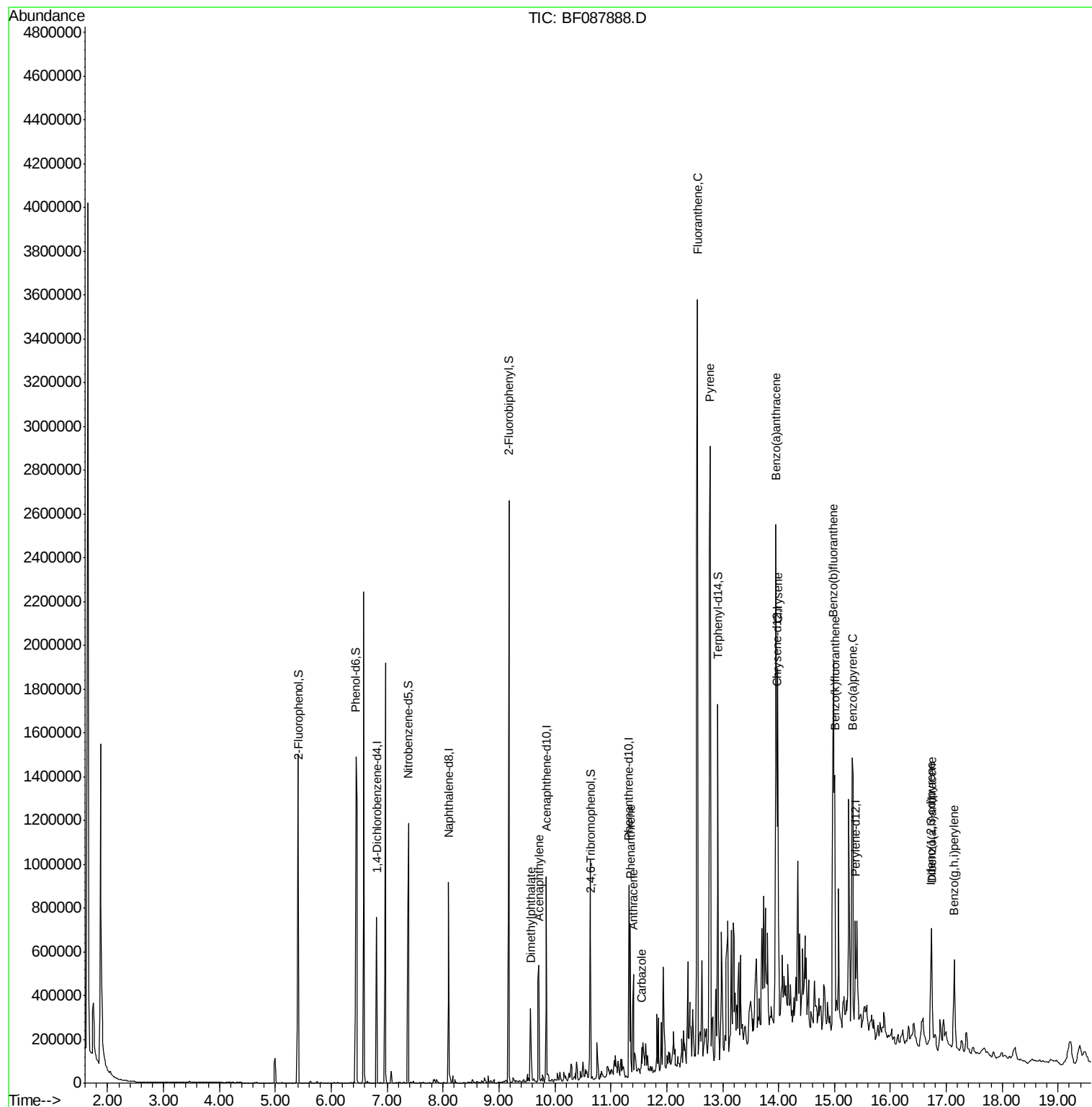
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#1

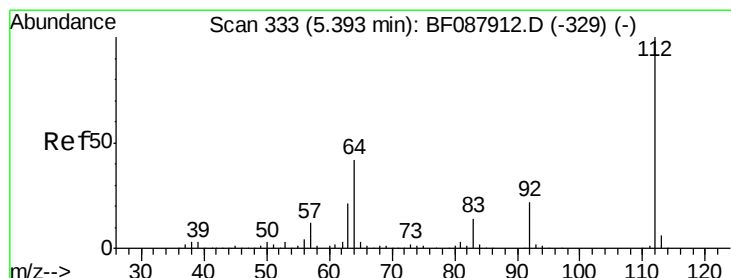
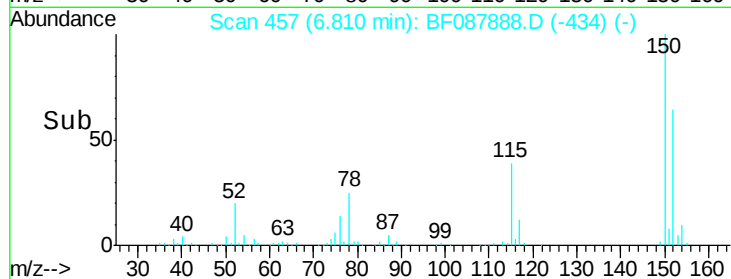
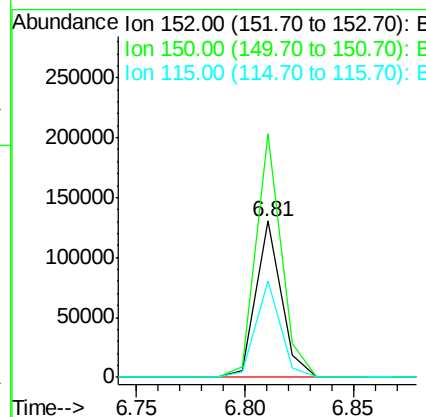
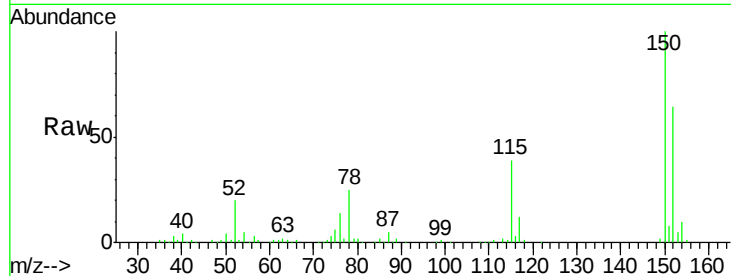
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF087888.D
 Acq: 10 Jun 2016 21:46

Instrument :
 BNA_F
 ClientSampleId :
 STA-953-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.8	185.6
115	61.3	39.6	59.4

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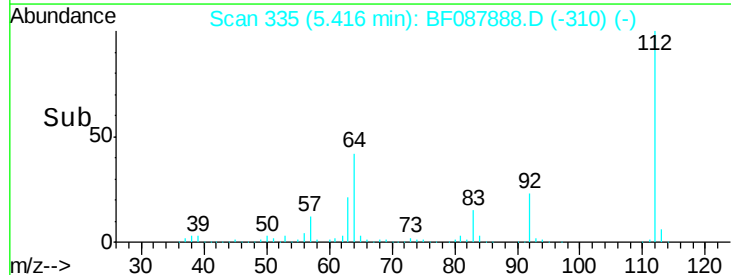
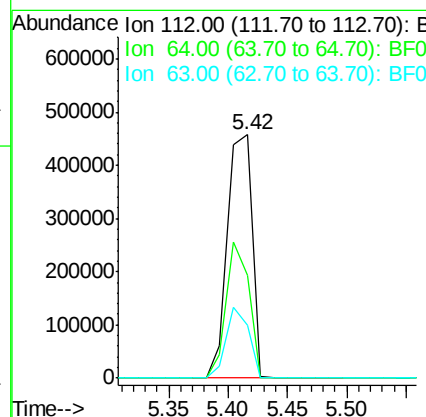
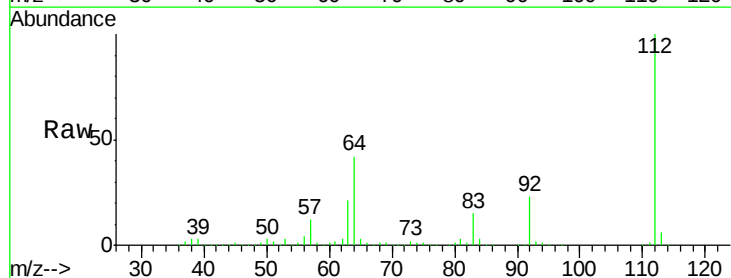
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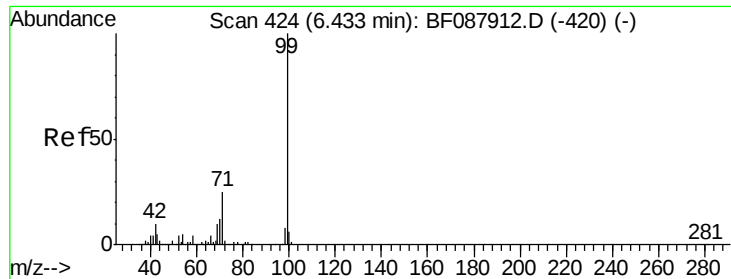


#5

2-Fluorophenol
 Concen: 106.57 ng
 RT: 5.42 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: BF087888.D
 Acq: 10 Jun 2016 21:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.1	42.2	63.2
63	21.5	21.8	32.8





#7

Phenol-d6

Concen: 110.93 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087888.D

Acq: 10 Jun 2016 21:46

Instrument :

BNA_F

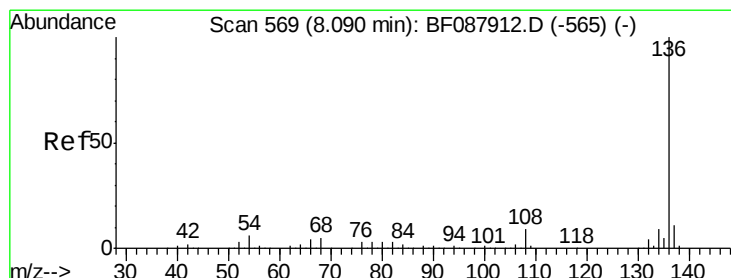
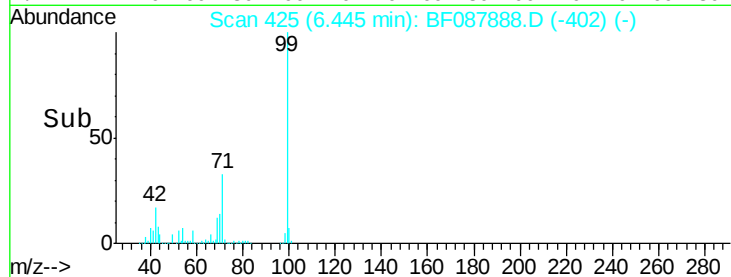
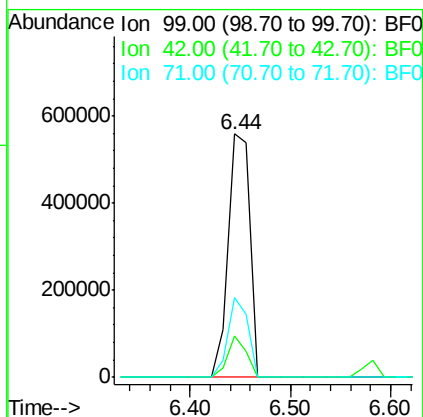
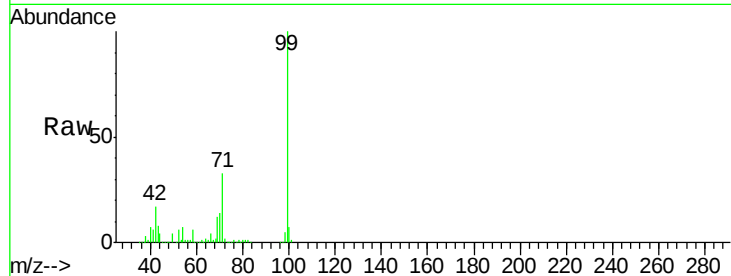
ClientSampleId :

STA-953-PLATFORM(0-4)

Tot Ion:	99	Resp:	832395
Ion Ratio	Lower	Upper	
99	100		
42	17.0	12.2	18.2
71	33.0	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

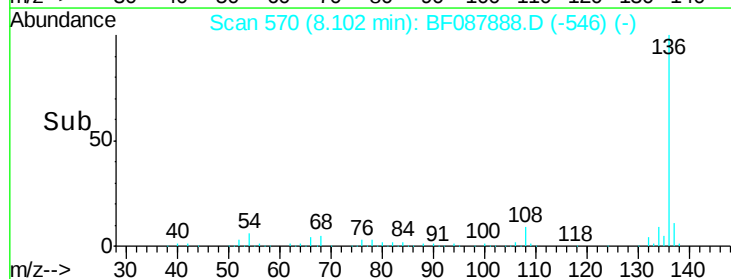
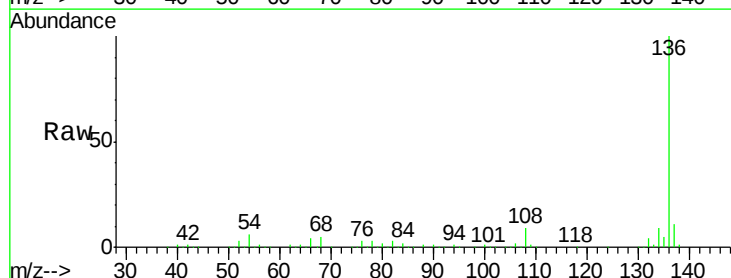
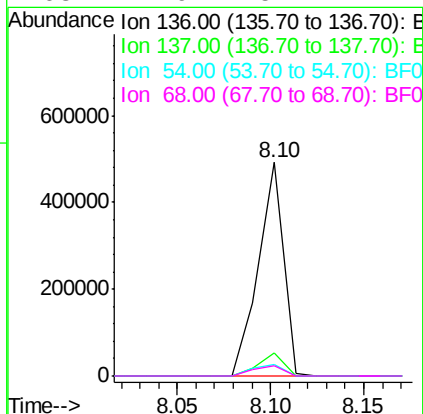
RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087888.D

Acq: 10 Jun 2016 21:46

Tgt Ion:	136	Resp:	458240
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	5.6	6.6	10.0#
68	4.9	5.1	7.7#





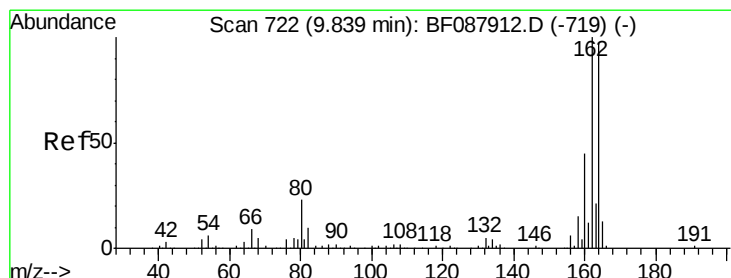
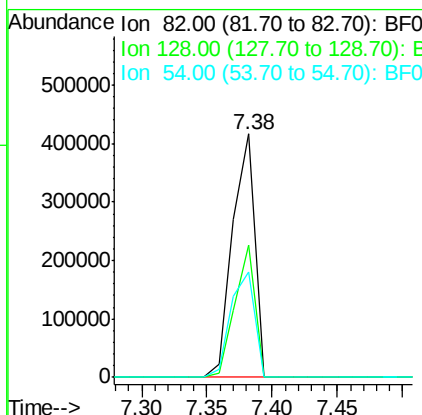
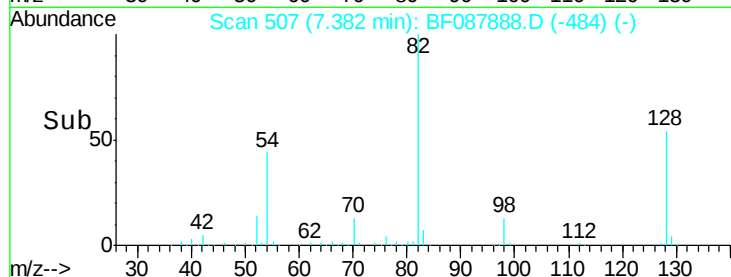
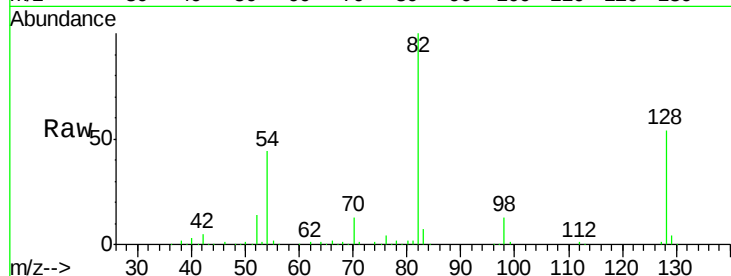
#23
 Nitrobenzene-d5
 Concen: 62.27 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087888.D
 Acq: 10 Jun 2016 21:46

Instrument :
 BNA_F
 ClientSampleId :
 STA-953-PLATFORM(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	54.4	35.9	53.9	
54	43.5	40.9	61.3	

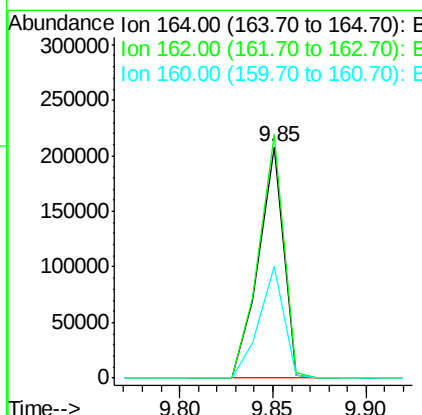
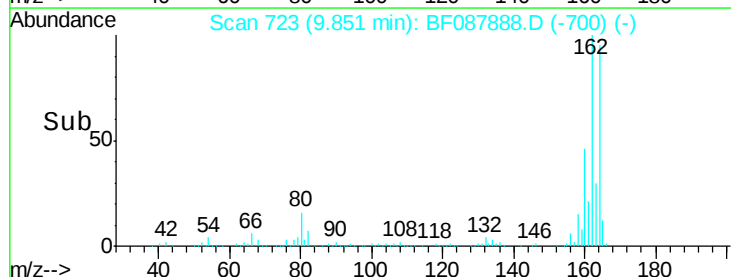
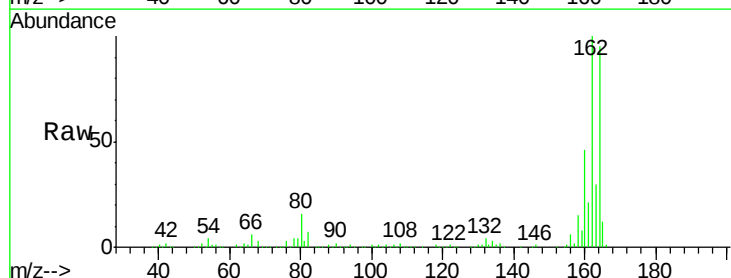
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF087888.D
 Acq: 10 Jun 2016 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.4	85.4	128.2	
160	48.4	39.5	59.3	





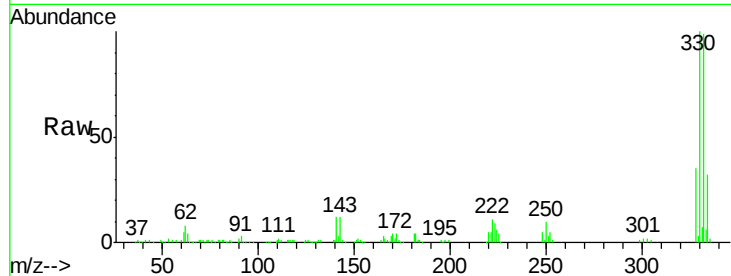
#41
 2,4,6-Tribromophenol
 Concen: 76.61 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087888.D
 Acq: 10 Jun 2016 21:46

Instrument :
 BNA_F
 ClientSampleId :
 STA-953-PLATFORM(0-4)

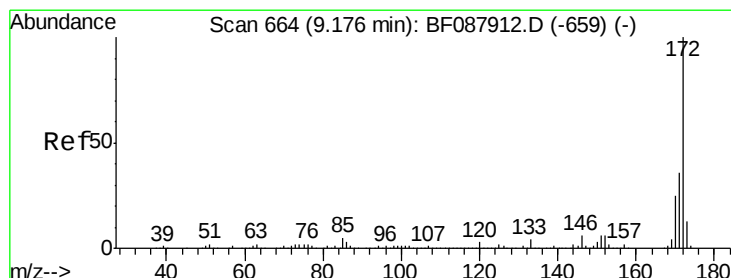
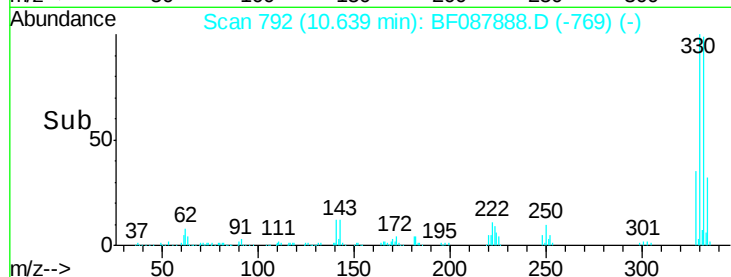
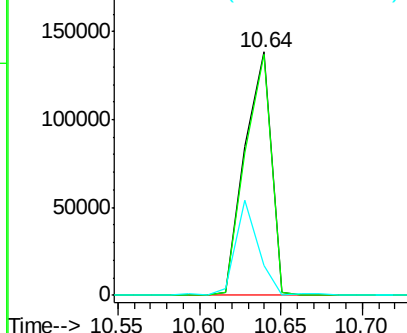
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	97.6	0.0	0.0#
141	34.7	0.0	0.0#

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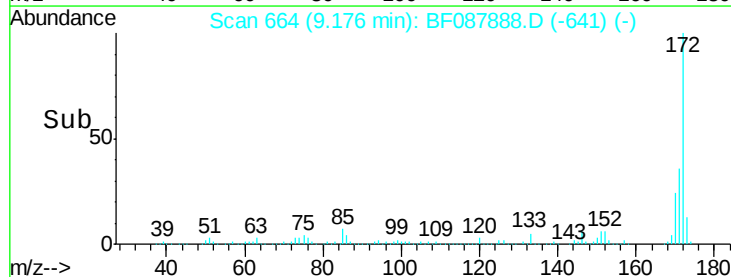
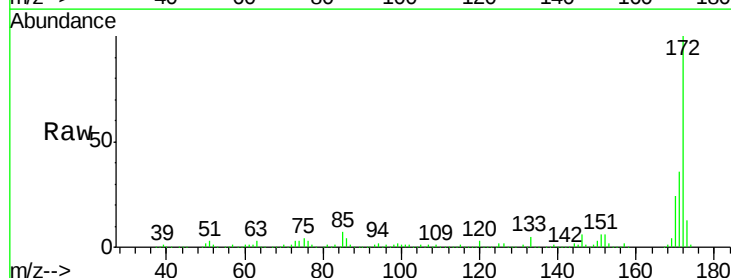
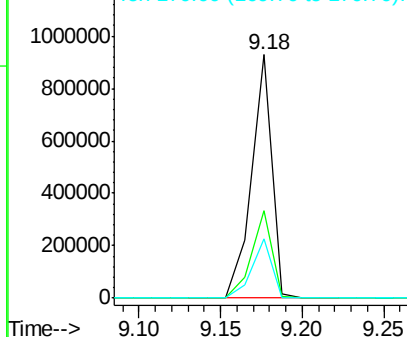
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

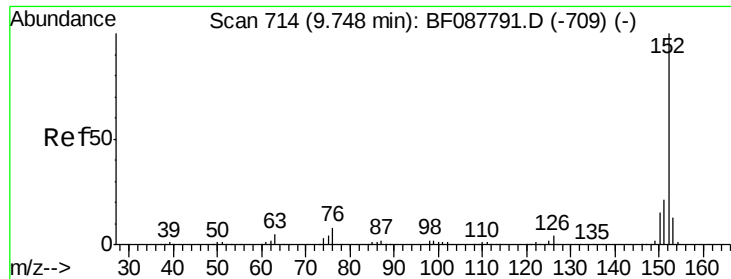


#44
 2-Fluorobiphenyl
 Concen: 64.44 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087888.D
 Acq: 10 Jun 2016 21:46

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.5	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





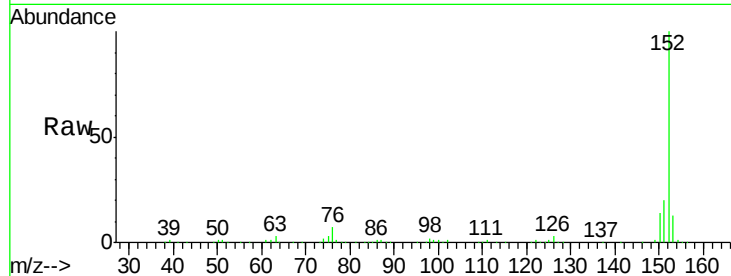
#48
Acenaphthylene
Concen: 17.56 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF087888.D
Acq: 10 Jun 2016 21:46

Instrument :
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ClientSampleId :
STA-953-PLATFORM(0-4)

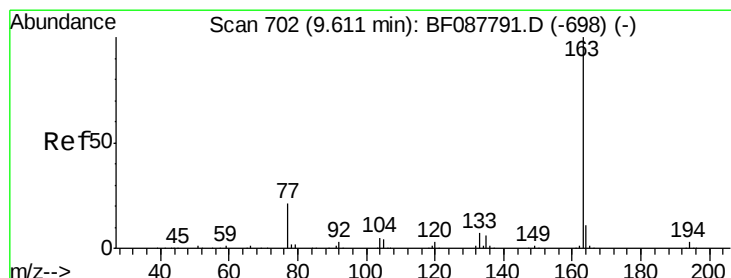
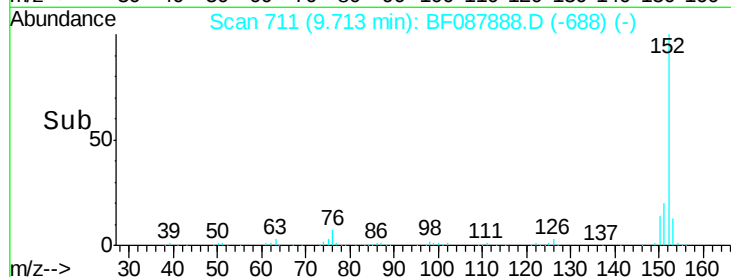
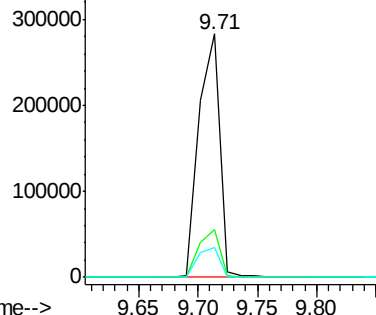
Tot Ion	Ratio	Resp	Lower	Upper
152	100	347031		
151	19.7		16.2	24.4
153	12.5		11.0	16.6

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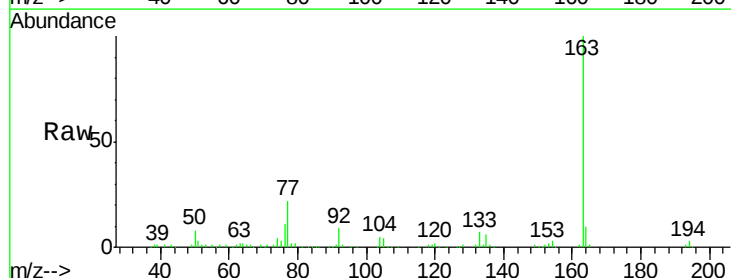


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

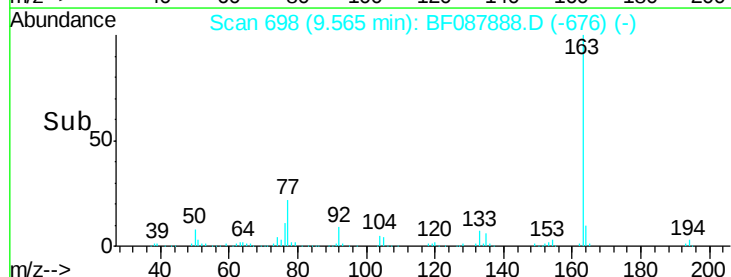
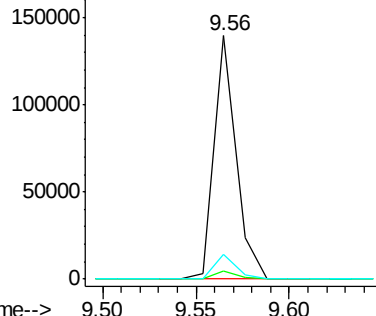


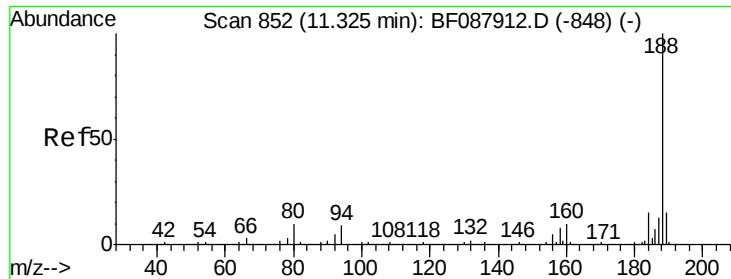
#49
Dimethylphthalate
Concen: 8.24 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF087888.D
Acq: 10 Jun 2016 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	114582		
194	3.1		2.8	4.2
164	10.3		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





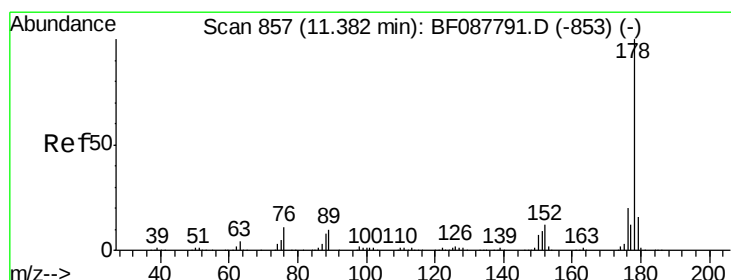
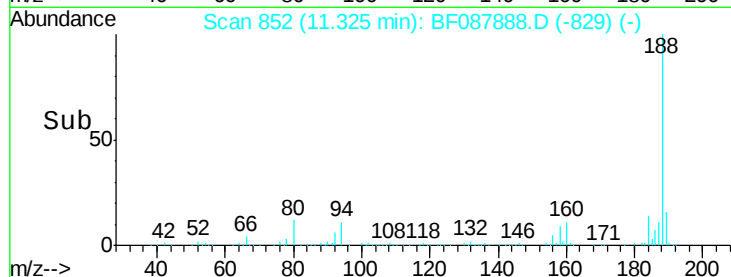
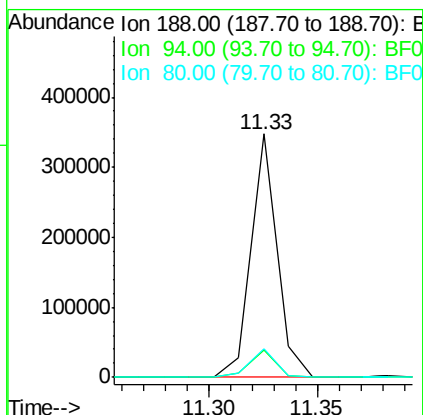
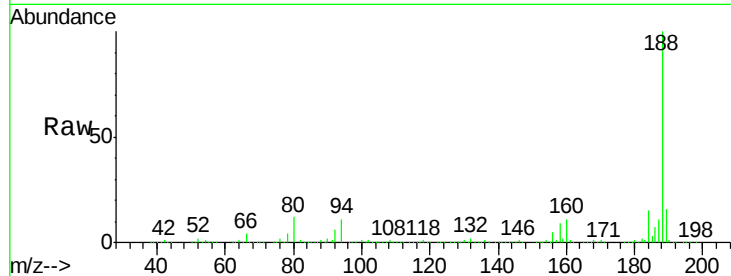
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087888.D
Acq: 10 Jun 2016 21:46

Instrument :
BNA_F
ClientSampleId :
STA-953-PLATFORM(0-4)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.1	9.0	13.6
80	11.6	10.0	15.0

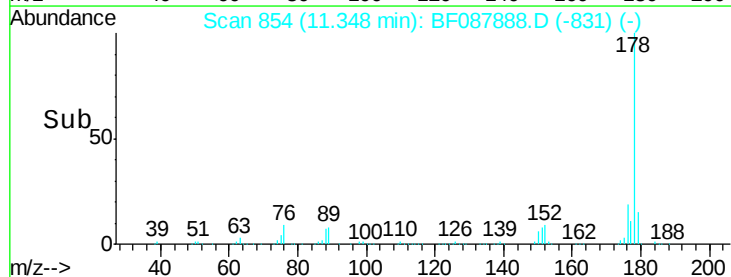
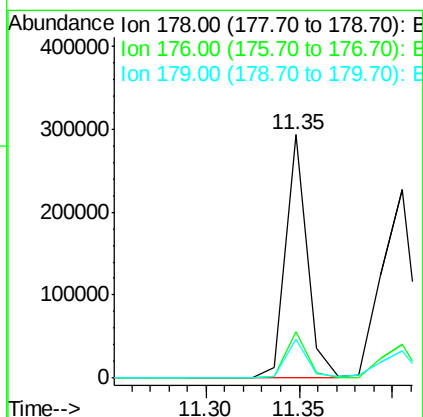
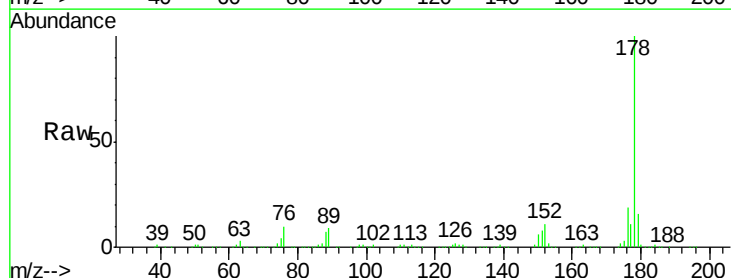
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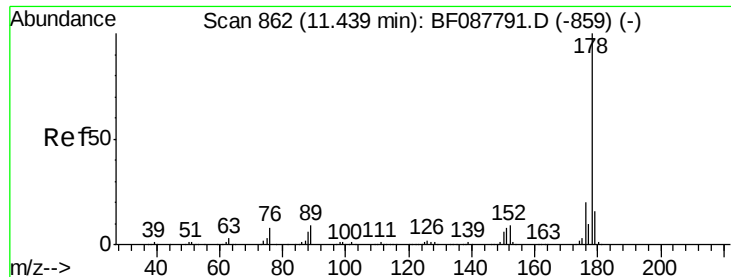
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#70
Phenanthrene
Concen: 15.60 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087888.D
Acq: 10 Jun 2016 21:46

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.8	23.6
179	16.0	13.0	19.4





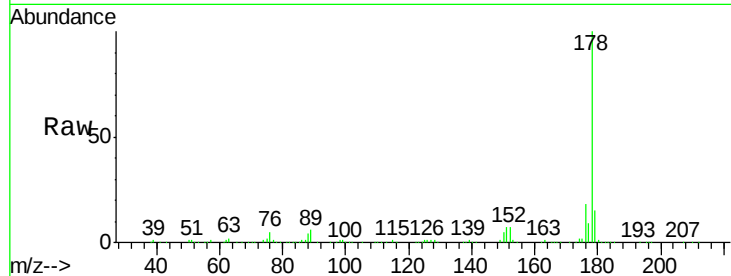
#71
 Anthracene
 Concen: 16.74 ng
 RT: 11.41 min Scan# 859
 Delta R.T. -0.03 min
 Lab File: BF087888.D
 Acq: 10 Jun 2016 21:46

Instrument :
 BNA_F
 ClientSampleId :
 STA-953-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	14.8	12.8	19.2

Manual Integrations
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 6/13/2016 7:11:38 PM

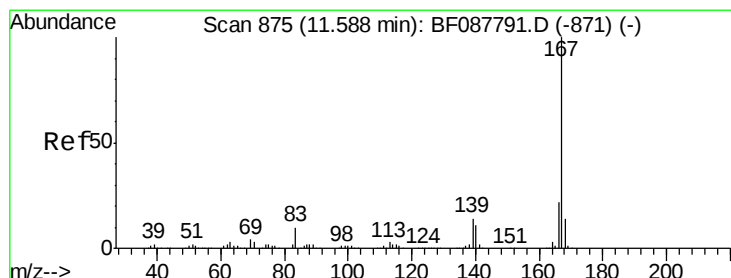
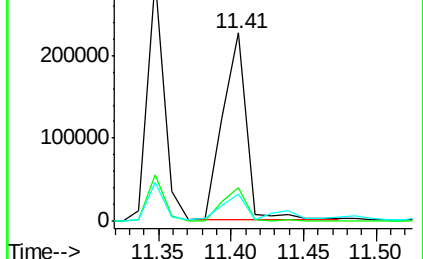
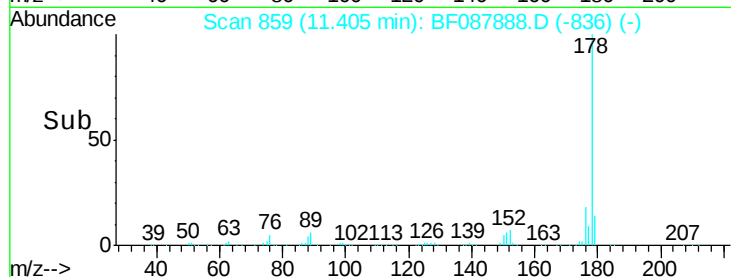


Abundance

Ion 178.00 (177.70 to 178.70): E

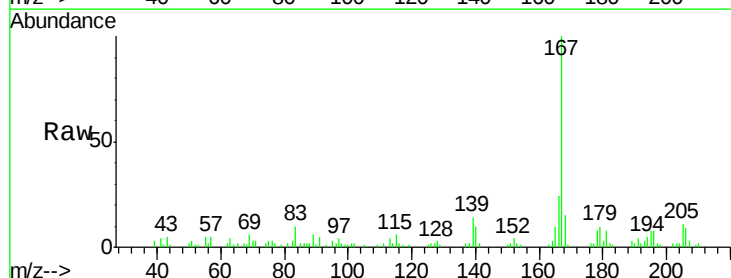
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
 Carbazole
 Concen: 2.19 ng
 RT: 11.55 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: BF087888.D
 Acq: 10 Jun 2016 21:46

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.0	17.8	26.6
139	13.6	11.2	16.8

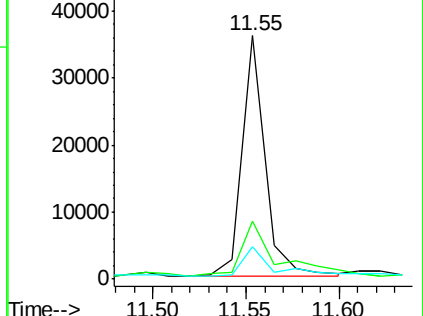
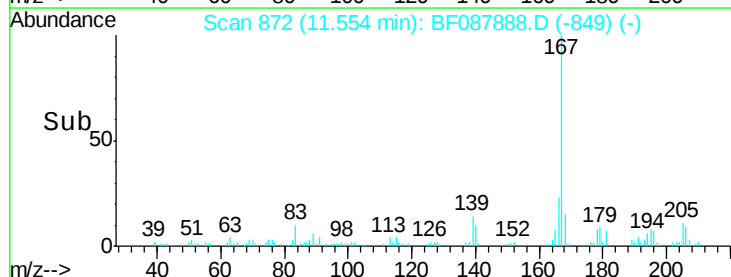


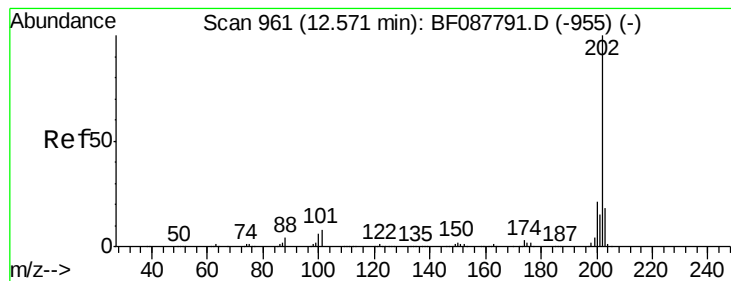
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 108.44 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF087888.D

Acq: 10 Jun 2016 21:46

Instrument :

BNA_F

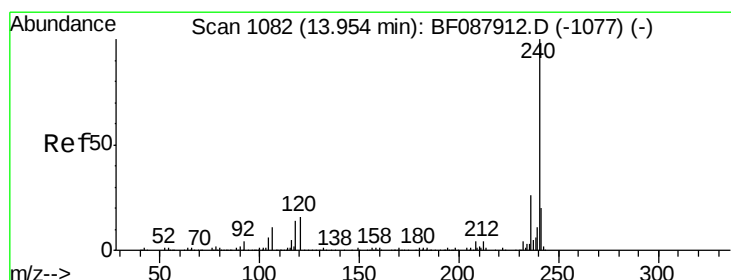
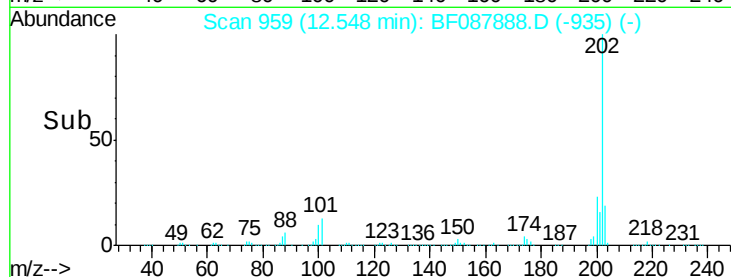
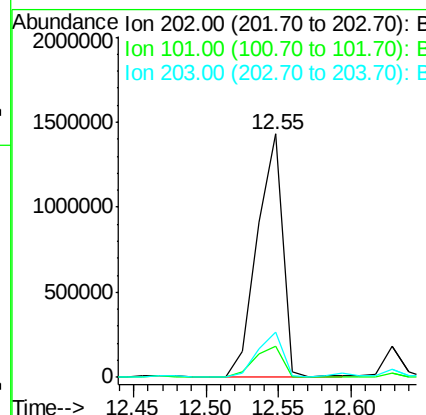
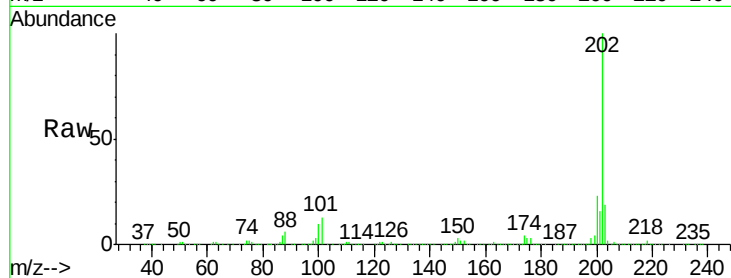
ClientSampleId :

STA-953-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.1
203	18.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

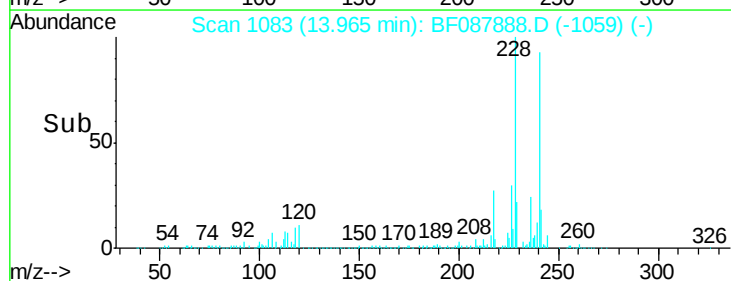
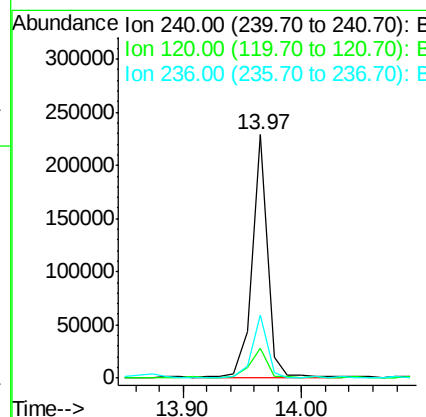
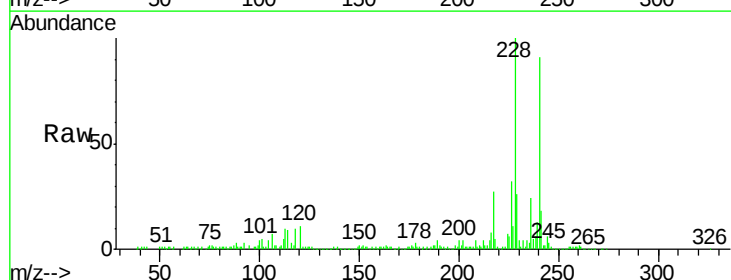
RT: 13.97 min Scan# 1083

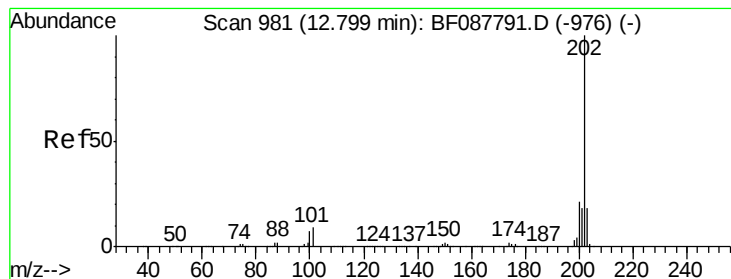
Delta R.T. -0.02 min

Lab File: BF087888.D

Acq: 10 Jun 2016 21:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	6.8	10.2#
236	25.8	20.2	30.2





#77

Pvrene

Concen: 106.56 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.02 min

Lab File: BF087888.D

Acq: 10 Jun 2016 21:46

Instrument :

BNA_F

ClientSampleId :

STA-953-PLATFORM(0-4)

Tot Ion:202 Resp: 1622419

Ion Ratio Lower Upper

202 100

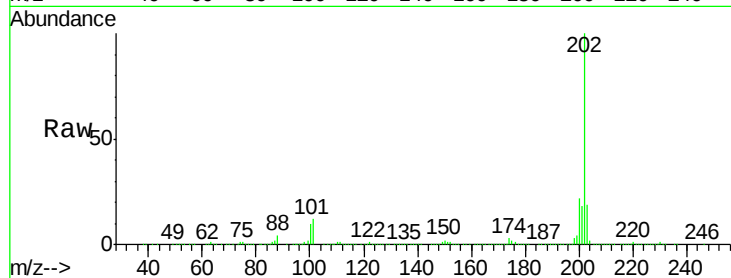
200 22.4 17.4 26.2

203 18.6 14.5 21.7

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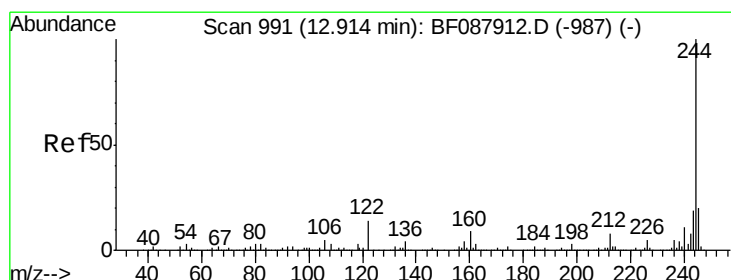
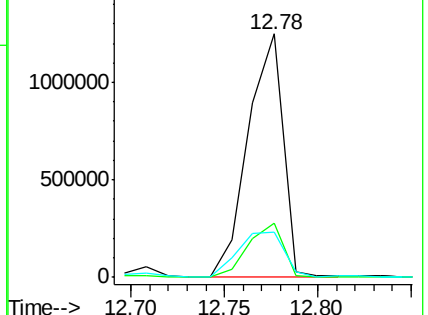
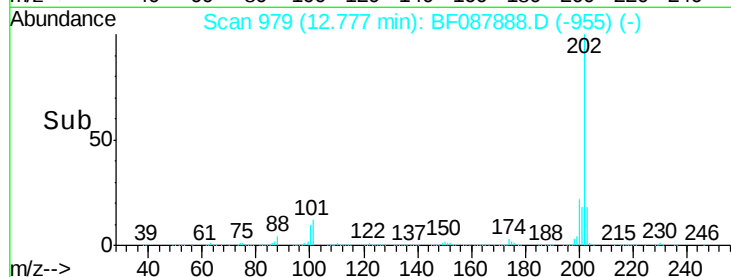
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 57.36 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087888.D

Acq: 10 Jun 2016 21:46

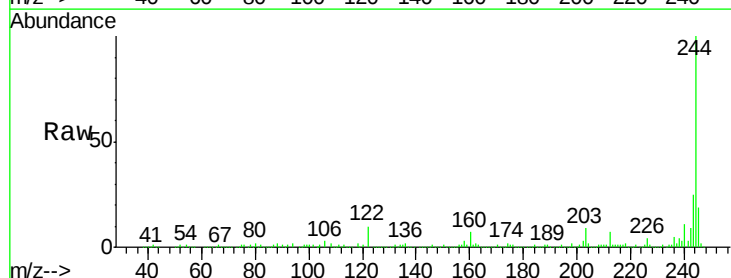
Tgt Ion:244 Resp: 517195

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

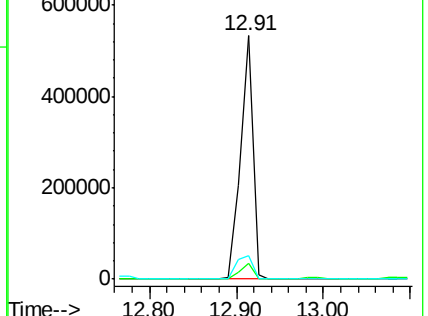
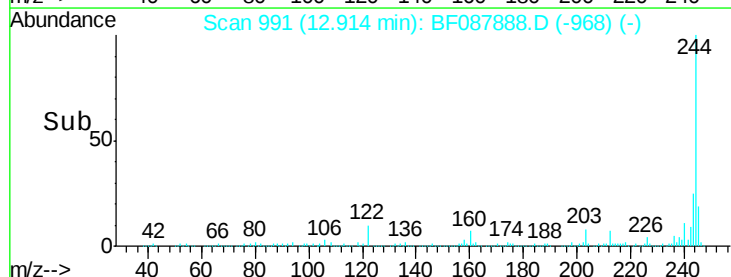
122 9.8 11.2 16.8#

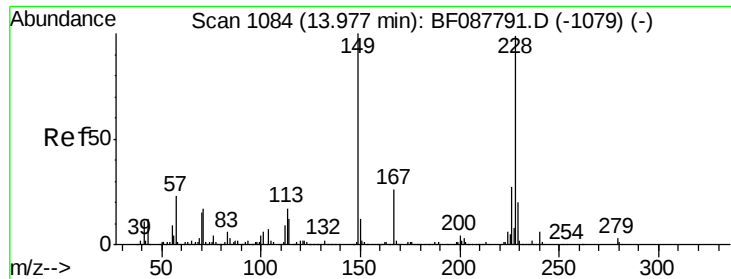


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





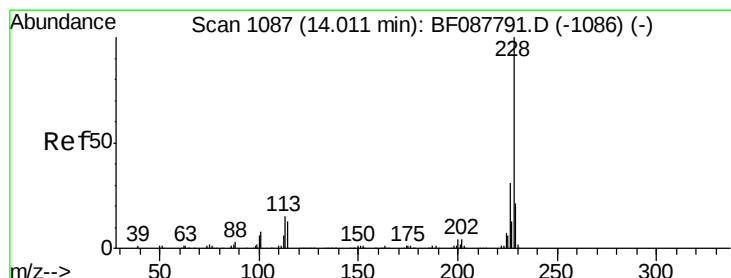
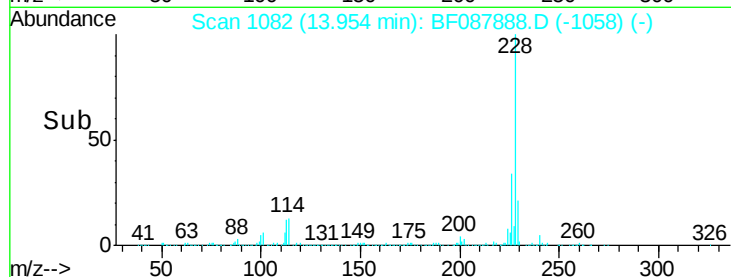
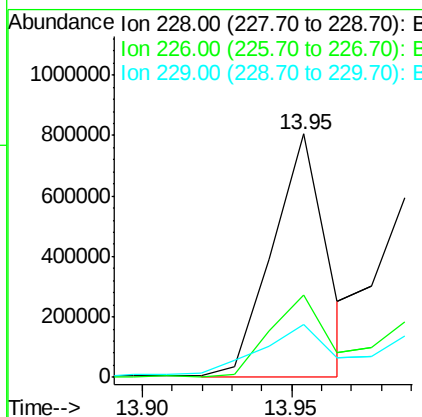
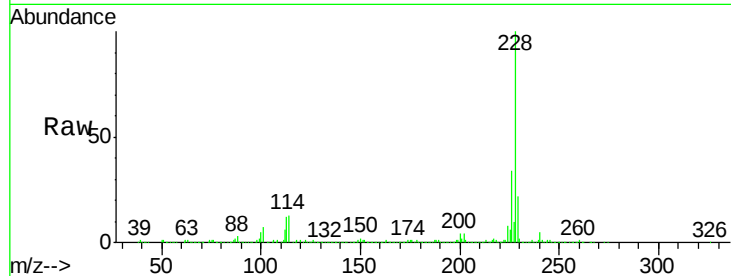
#80
Benzo(a)anthracene
Concen: 87.04 ng m
RT: 13.95 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BF087888.D
Acq: 10 Jun 2016 21:46

Instrument :
BNA_F
ClientSampleId :
STA-953-PLATFORM(0-4)

Tot Ion:228 Resp: 1017648
Ion Ratio Lower Upper
228 100
226 33.7 22.3 33.5#
229 21.5 16.0 24.0

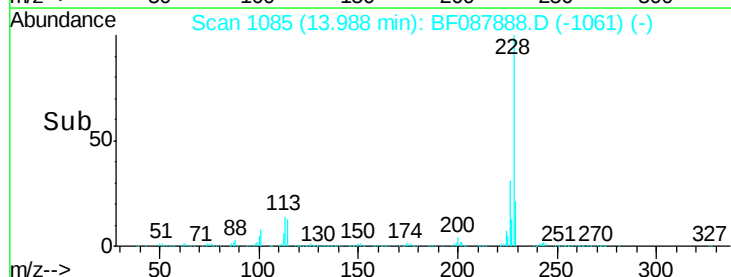
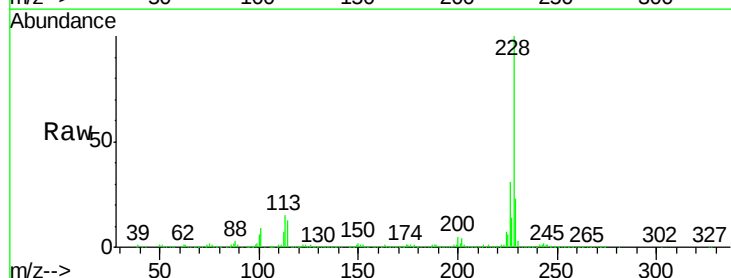
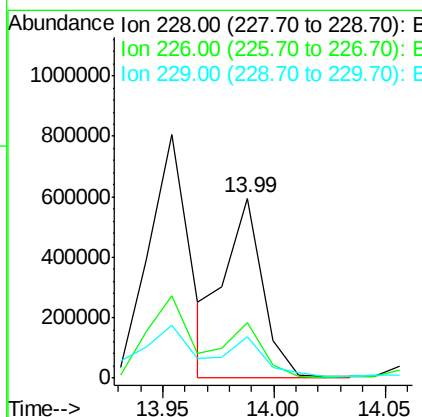
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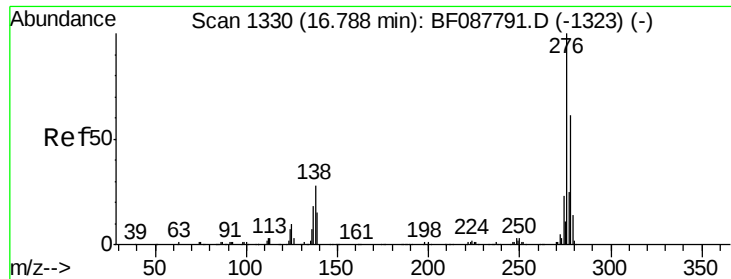
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#82
Chrysene
Concen: 65.09 ng m
RT: 13.99 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BF087888.D
Acq: 10 Jun 2016 21:46

Tgt Ion:228 Resp: 715998
Ion Ratio Lower Upper
228 100
226 31.1 25.4 38.2
229 23.1 16.3 24.5





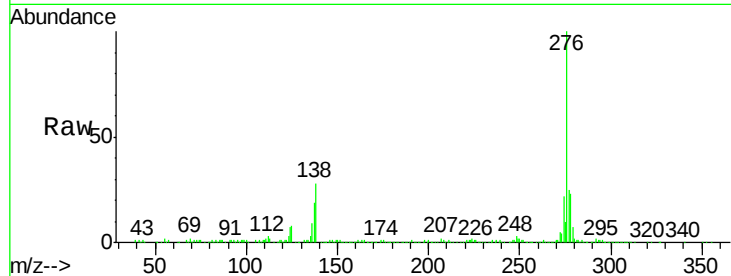
#85
Indeno(1,2,3-cd)pyrene
Concen: 36.51 ng
RT: 16.73 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF087888.D
Acq: 10 Jun 2016 21:46

Instrument :
BNA_F
ClientSampleId :
STA-953-PLATFORM(0-4)

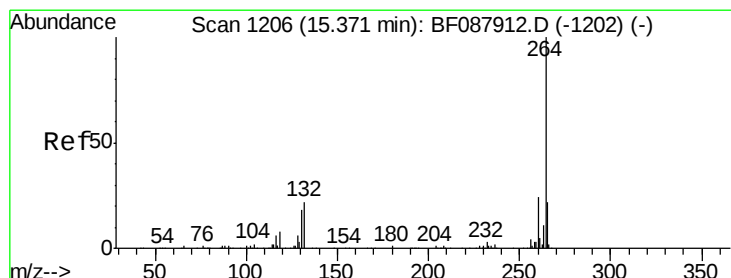
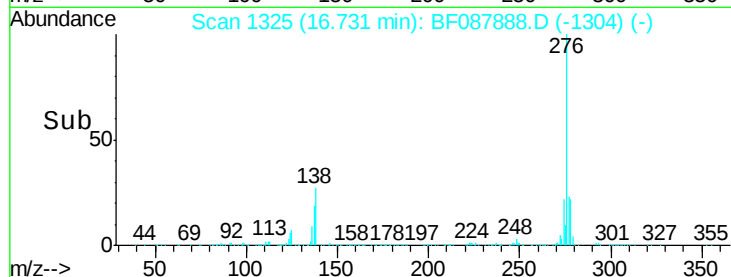
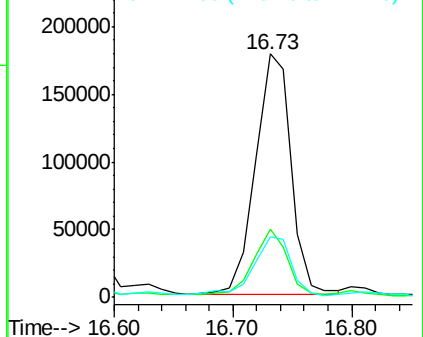
Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	26.2	0.0	0.0#
277	25.9	0.0	0.0#

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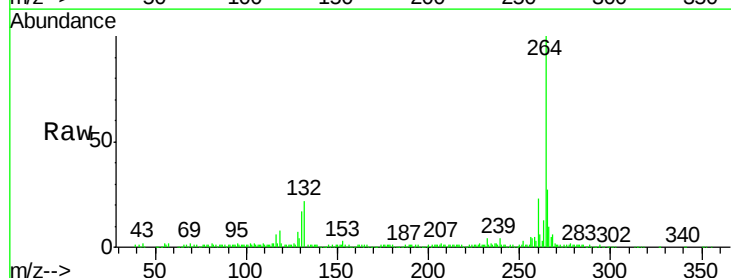


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

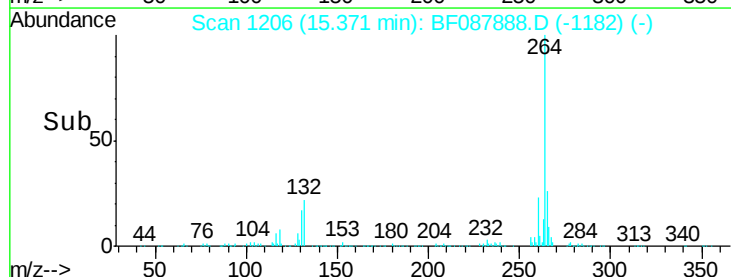
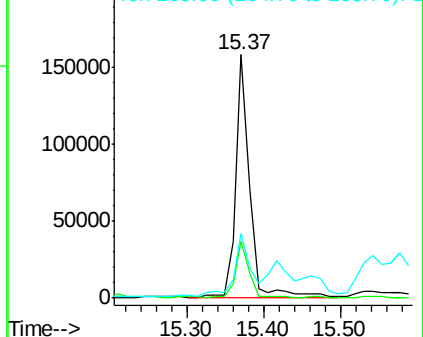


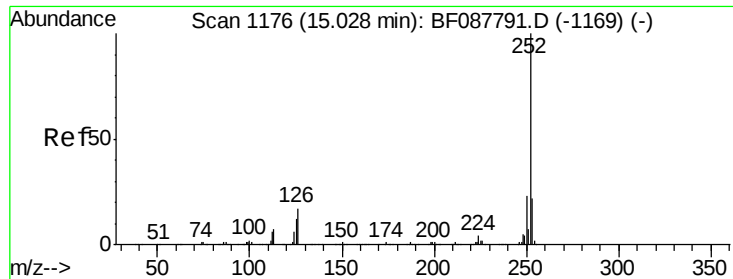
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087888.D
Acq: 10 Jun 2016 21:46

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.5	19.2	28.8
265	26.7	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





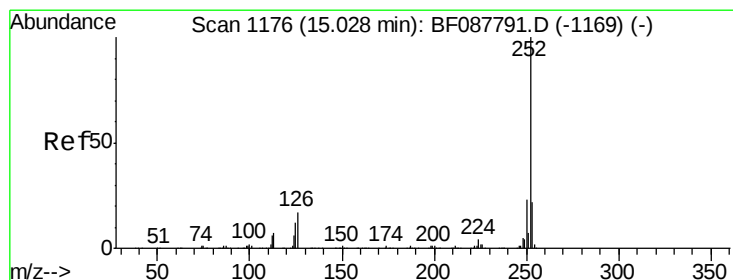
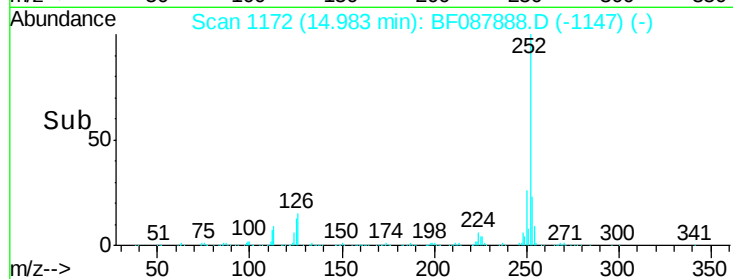
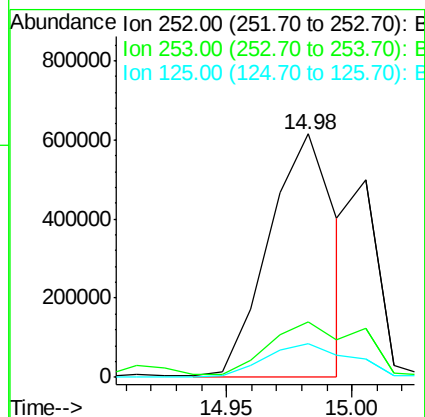
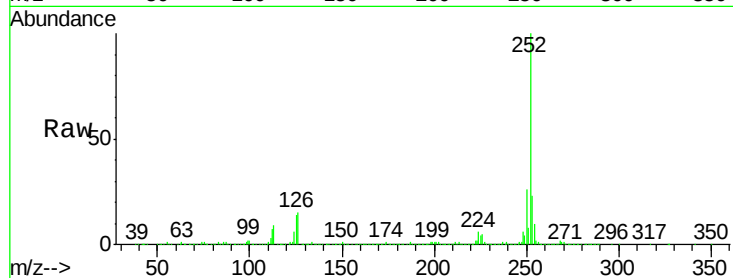
#87
Benzo(b)fluoranthene
Concen: 81.80 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF087888.D
Acq: 10 Jun 2016 21:46

Instrument :
BNA_F
ClientSampleId :
STA-953-PLATFORM(0-4)

Tot Ion:252 Resp: 1147126
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 13.6 7.1 10.7#

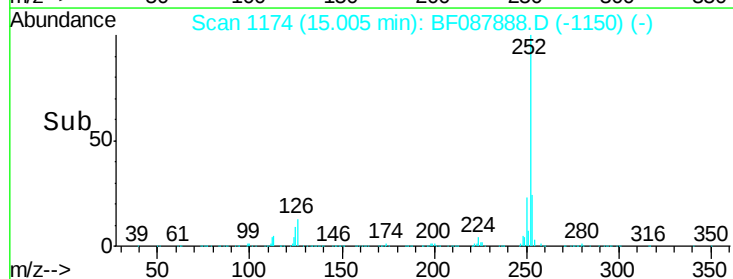
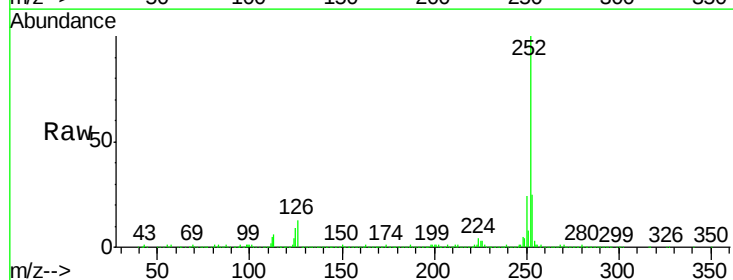
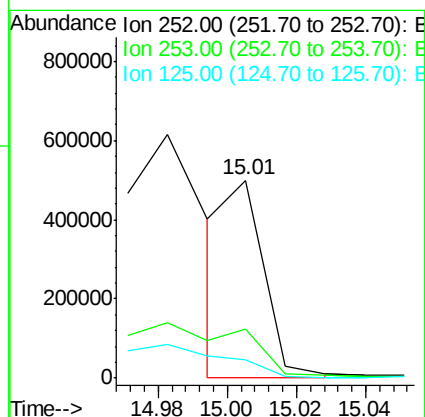
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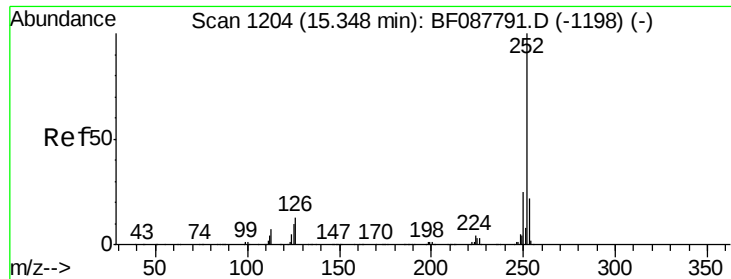
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#88
Benzo(k)fluoranthene
Concen: 34.96 ng m
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087888.D
Acq: 10 Jun 2016 21:46

Tgt Ion:252 Resp: 369808
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 9.3 11.2 16.8#





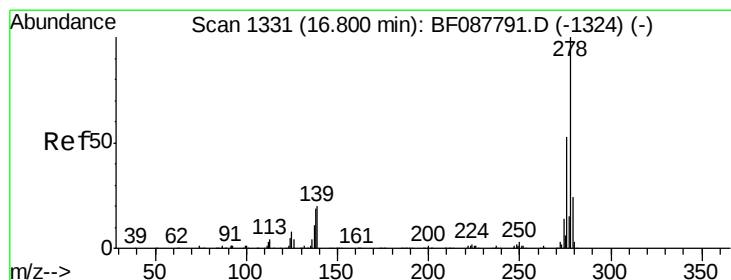
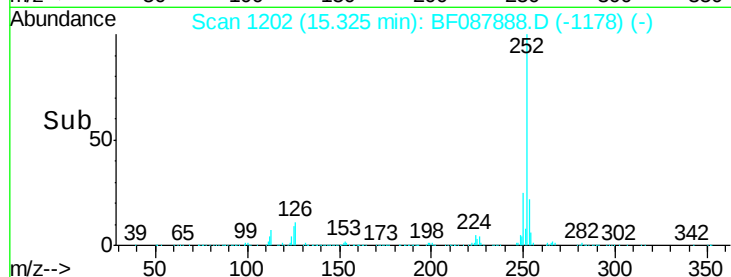
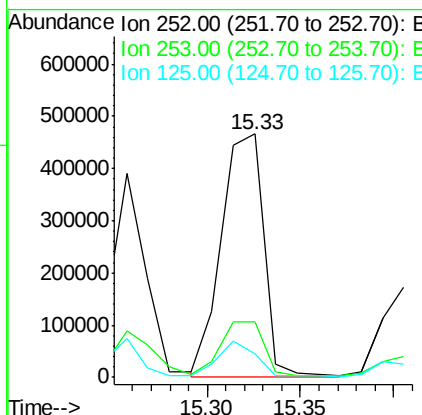
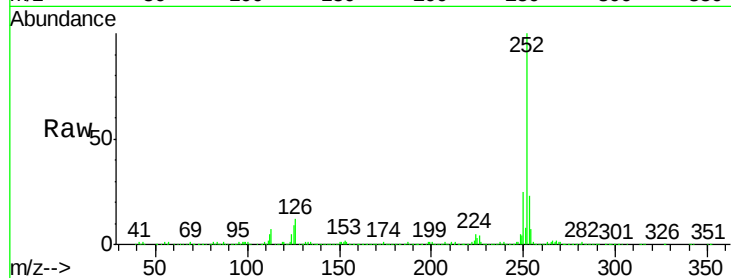
#89
Benzo(a)pyrene
Concen: 65.21 ng/ml
RT: 15.33 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BF087888.D
Acq: 10 Jun 2016 21:46

Instrument :
BNA_F
ClientSampleId :
STA-953-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	9.4	12.5	18.7

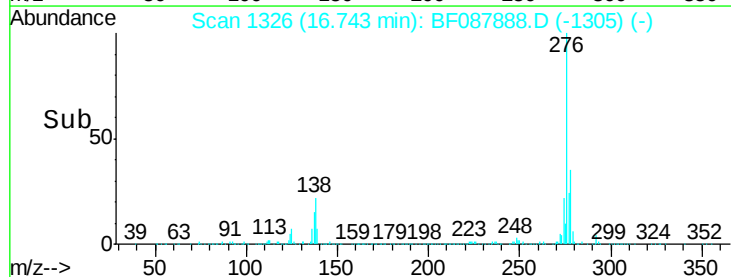
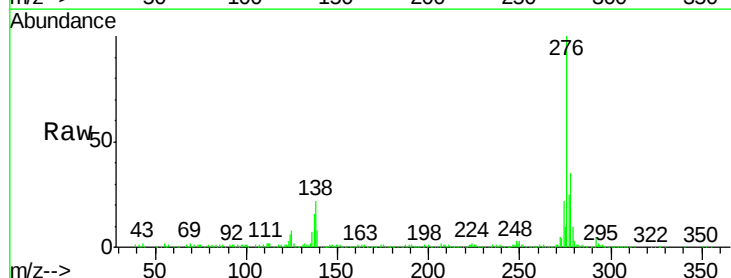
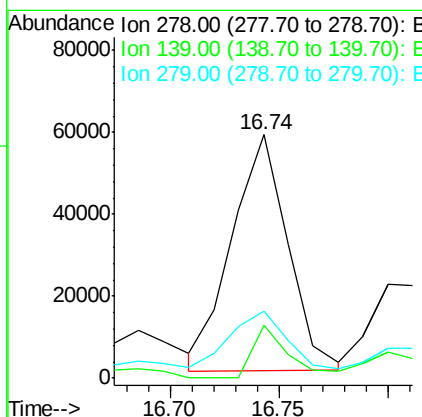
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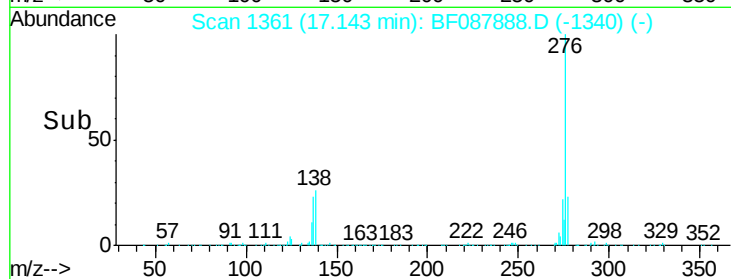
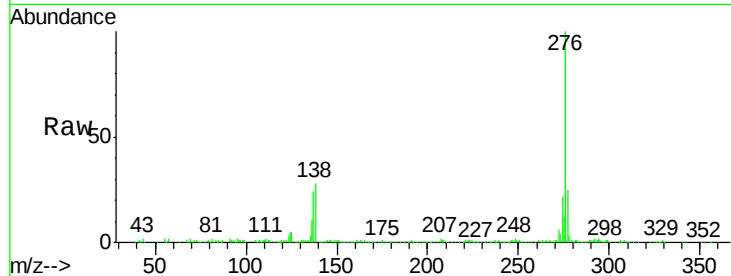
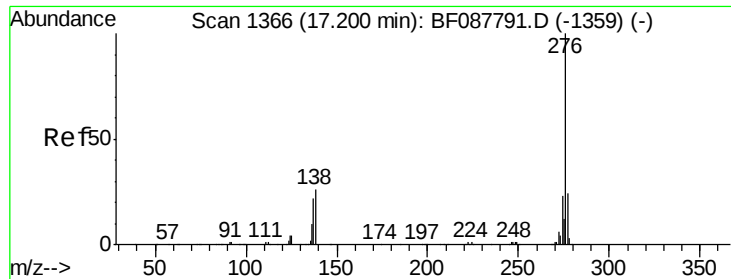
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#90
Dibenzo(a,h)anthracene
Concen: 9.78 ng
RT: 16.74 min Scan# 1326
Delta R.T. -0.06 min
Lab File: BF087888.D
Acq: 10 Jun 2016 21:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.6	15.7	23.5
279	27.5	19.4	29.2





#91

Benzo(a,h,i)perylene

Concen: 27.47 ng

RT: 17.14 min Scan# 1361

Delta R.T. -0.06 min

Lab File: BF087888.D

Acq: 10 Jun 2016 21:46

Tot Ion:	276	Resp:	297721
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.9	28.3
138	27.6	21.4	32.2

Instrument :

BNA_F

ClientSampleId :

STA-953-PLATFORM(0-4)

Manual Integrations
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