

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
 Data File : BF088308.D
 Acq On : 24 Jun 2016 00:36
 Operator : UM/SJ
 Sample : H3682-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-6)

Manual Integrations
 APPROVED

Sohil
 6/24/2016 8:28:26 AM

Quant Time: Jun 24 03:04:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	80224m	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	317348	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	140145	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	235422	20.00	ng	-0.01
75) Chrysene-d12	13.73	240	163332	20.00	ng	-0.02
86) Perylene-d12	15.09	264	153927	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	551905	117.61	ng	0.01
7) Phenol-d6	6.27	99	720627	126.71	ng	0.01
23) Nitrobenzene-d5	7.16	82	390827	71.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	147947	99.98	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	688726	76.66	ng	-0.01
78) Terphenyl-d14	12.69	244	495089	68.98	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.36	163	197921	19.50	ng	100
70) Phenanthrene	11.13	178	89979	7.28	ng	97
74) Fluoranthene	12.31	202	113565	8.71	ng	99
77) Pyrene	12.54	202	132501	10.93	ng	97
80) Benzo(a)anthracene	13.73	228	46451m	4.99	ng	
82) Chrysene	13.76	228	53949	6.16	ng	98
85) Indeno(1,2,3-cd)pyrene	16.35	276	22888	2.81	ng	# 100
87) Benzo(b)fluoranthene	14.73	252	59964m	5.59	ng	
88) Benzo(k)fluoranthene	14.74	252	18454m	2.28	ng	
89) Benzo(a)pyrene	15.04	252	38895	4.48	ng	98
91) Benzo(g,h,i)perylene	16.74	276	22612	2.73	ng	98

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

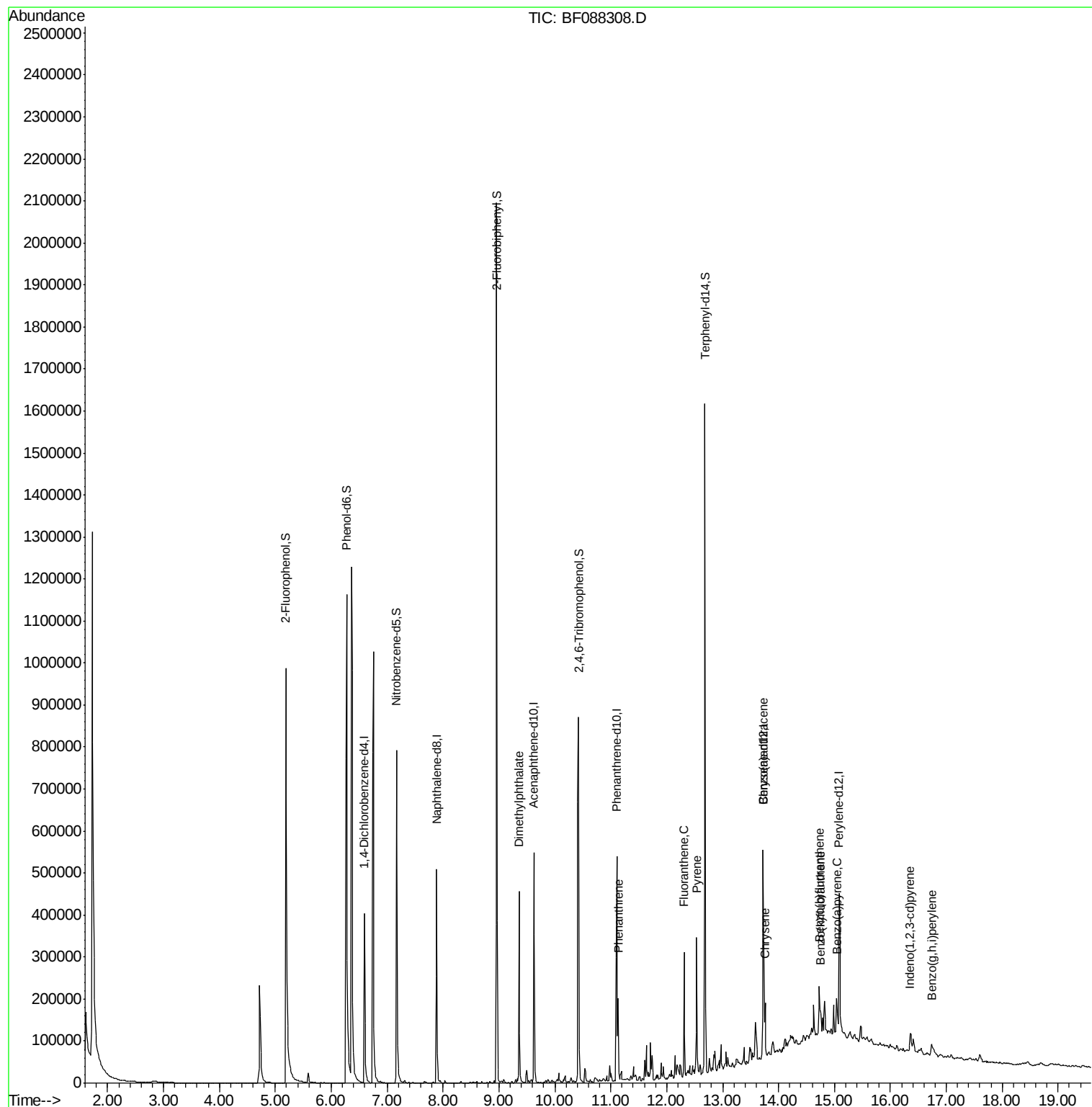
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
Data File : BF088308.D
Acq On : 24 Jun 2016 00:36
Operator : UM/SJ
Sample : H3682-03
Misc :
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SB-2(0-6)

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#1

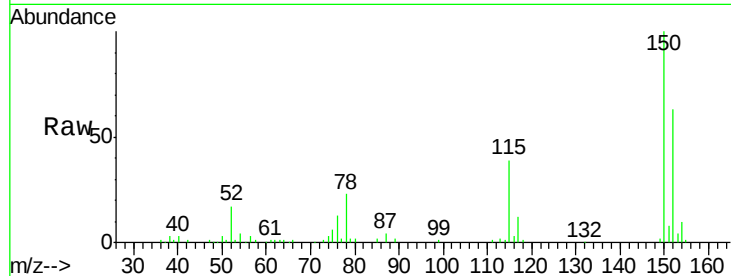
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.59 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Instrument :
BNA_F
ClientSampleId :
SB-2(0-6)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.0	123.8	185.6
115	61.2	39.6	59.4

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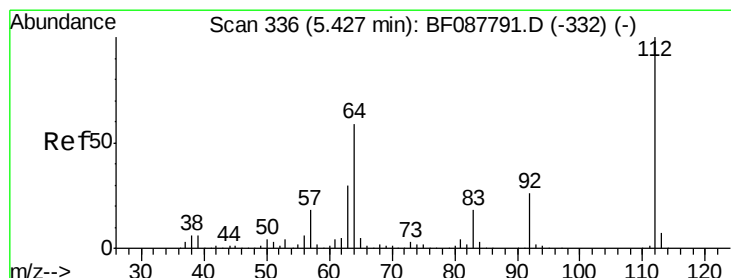
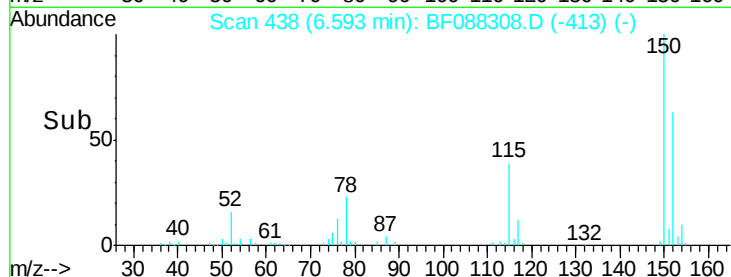
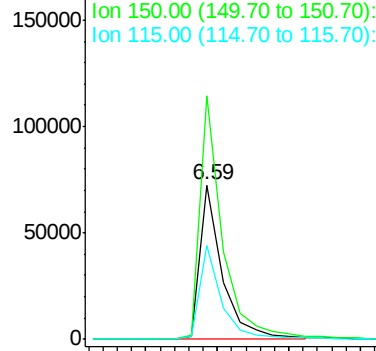


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

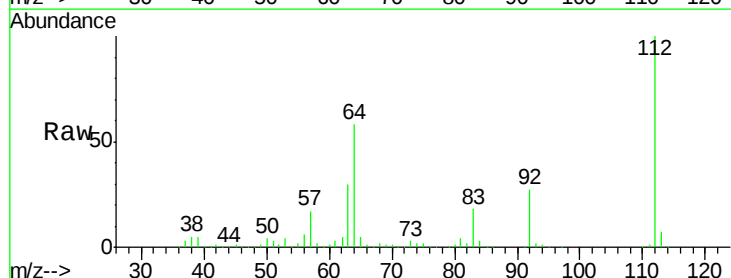
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.61 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.01 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	42.2	63.2
63	30.1	21.8	32.8

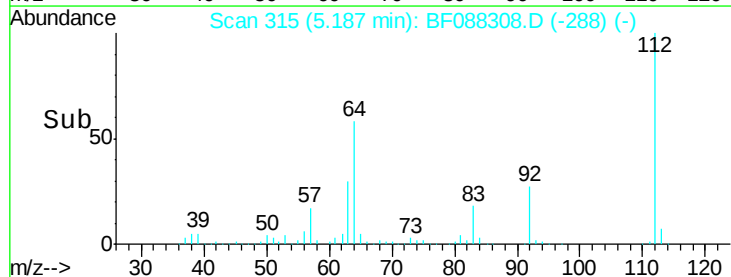
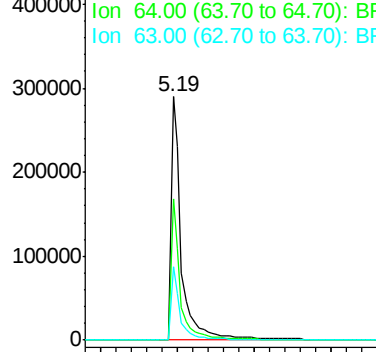


Abundance

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: 126.71 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.01 min

Lab File: BF088308.D

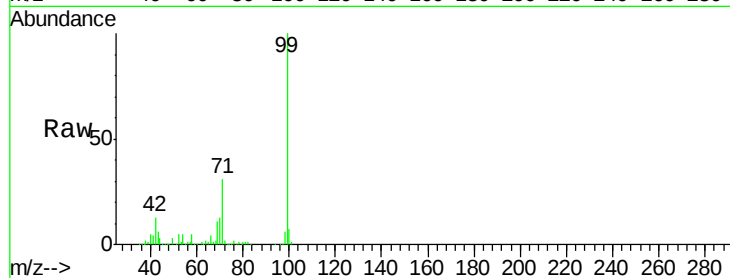
Acq: 24 Jun 2016 00:36

Instrument :

BNA_F

ClientSampleId :

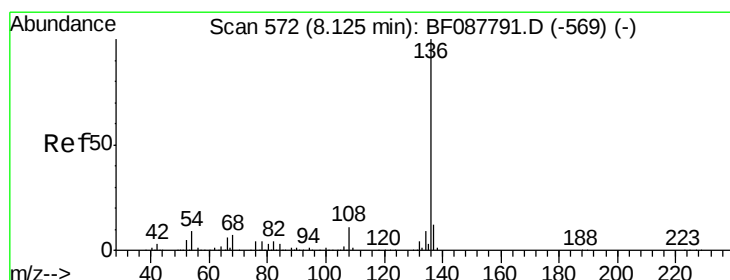
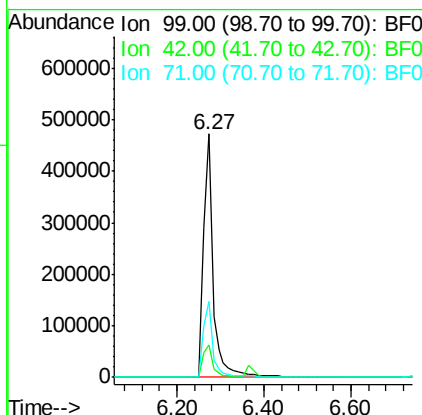
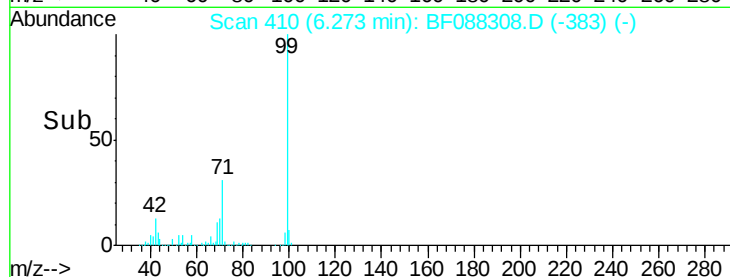
SB-2(0-6)



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		720627		
42	13.1	12.2	18.2		
71	31.1	23.4	35.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

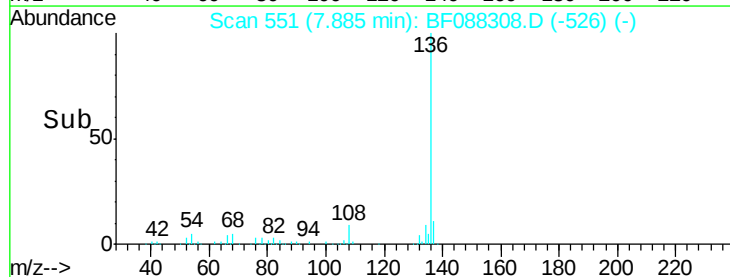
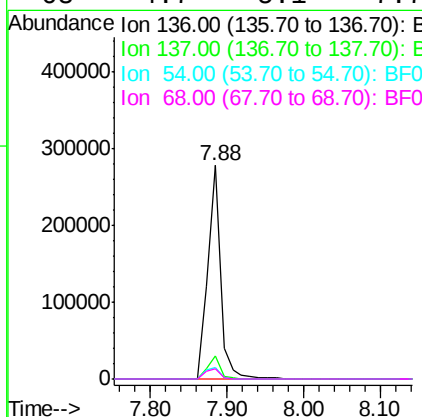
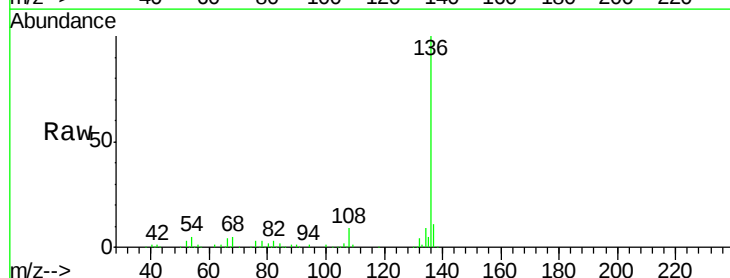
RT: 7.88 min Scan# 551

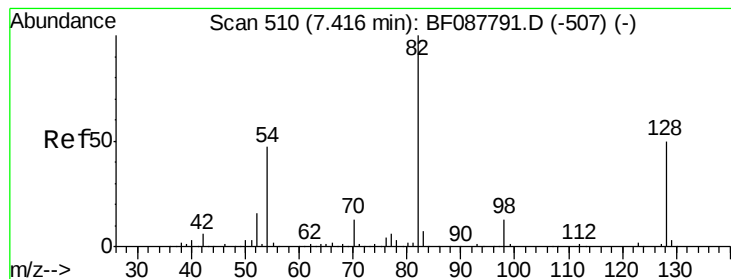
Delta R.T. -0.01 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		317348		
137	10.5	9.1	13.7		
54	5.4	6.6	10.0#		
68	4.7	5.1	7.7#		





#23

Nitrobenzene-d5

Concen: 71.91 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF088308.D

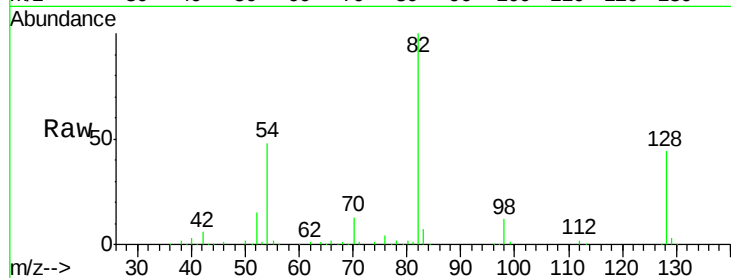
Acq: 24 Jun 2016 00:36

Instrument :

BNA_F

ClientSampleId :

SB-2(0-6)



Tgt Ion: 82 Resp: 390827

Ion Ratio Lower Upper

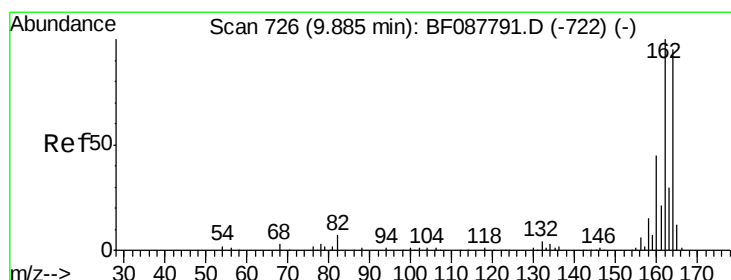
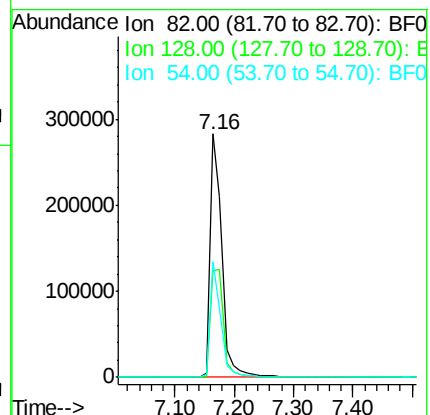
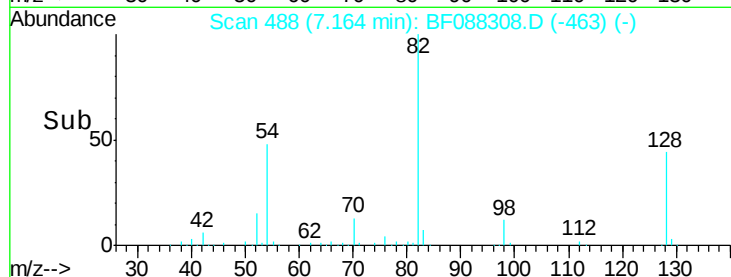
82 100

128 43.9 35.9 53.9

54 47.7 40.9 61.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

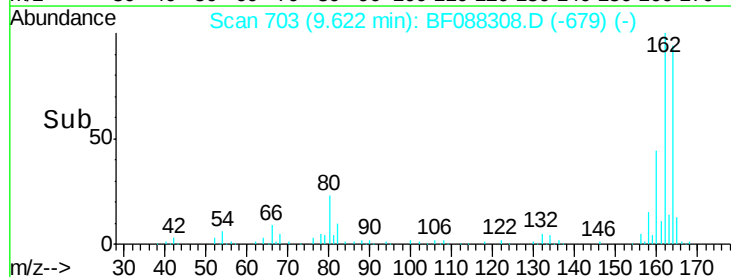
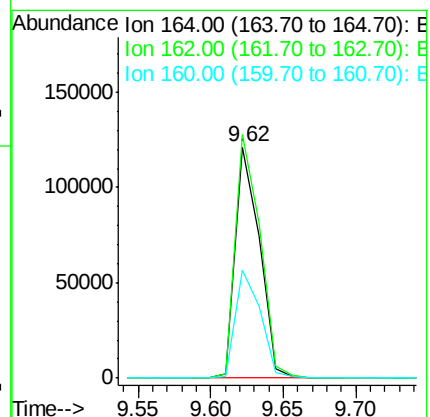
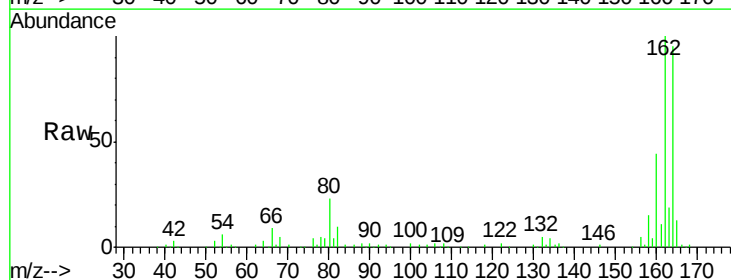
Tgt Ion: 164 Resp: 140145

Ion Ratio Lower Upper

164 100

162 105.4 85.4 128.2

160 46.5 39.5 59.3





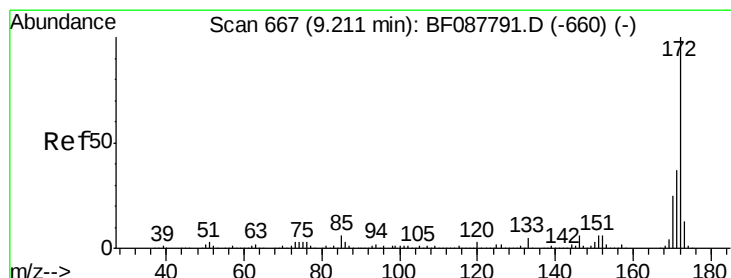
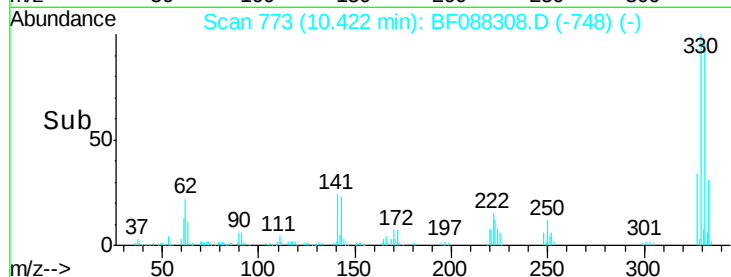
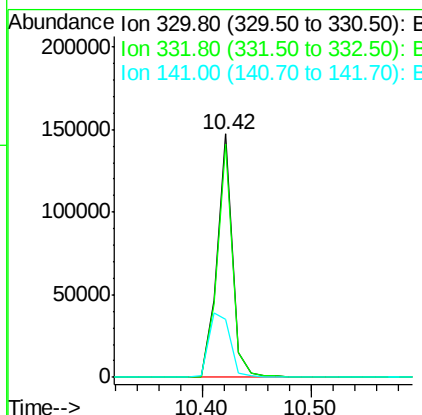
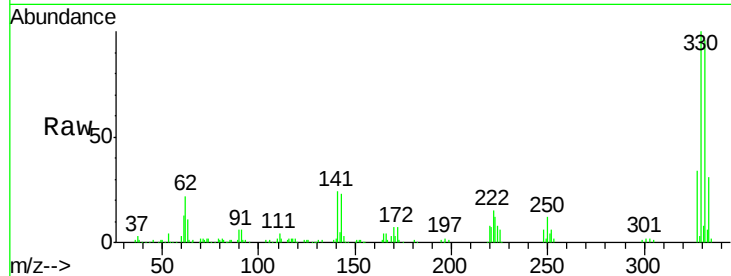
#41
 2,4,6-Tribromophenol
 Concen: 99.98 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088308.D
 Acq: 24 Jun 2016 00:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-6)

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	95.9	0.0	0.0#
141	37.0	0.0	0.0#

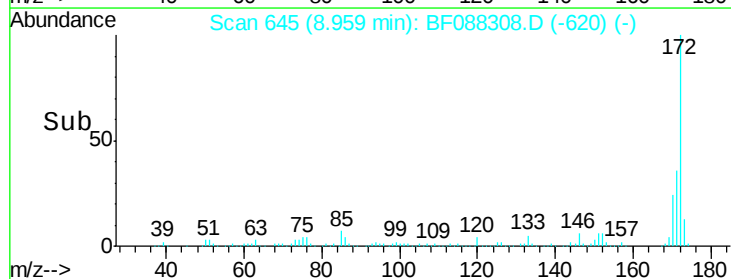
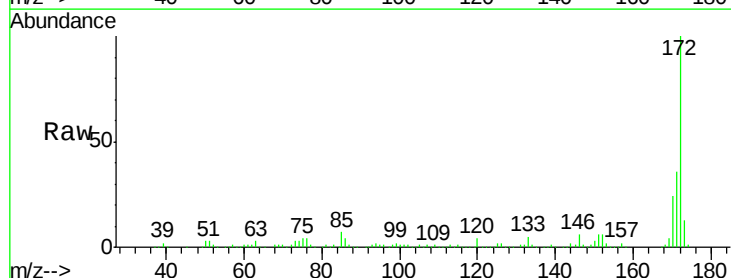
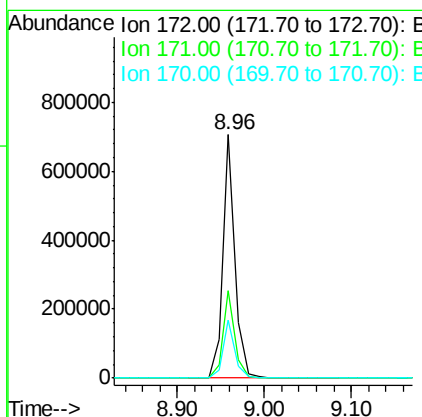
Manual Integrations
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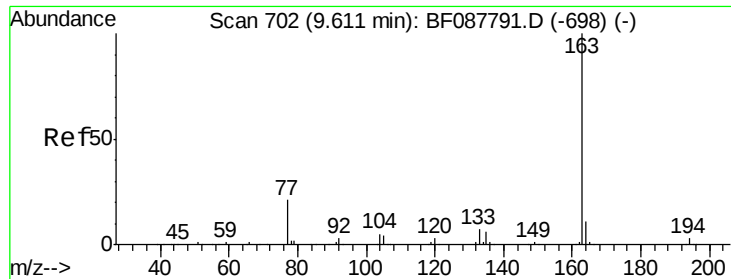
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#44
 2-Fluorobiphenyl
 Concen: 76.66 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF088308.D
 Acq: 24 Jun 2016 00:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.0	28.6	43.0
170	24.0	19.2	28.8





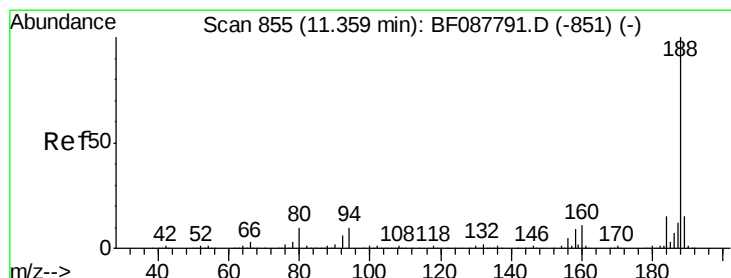
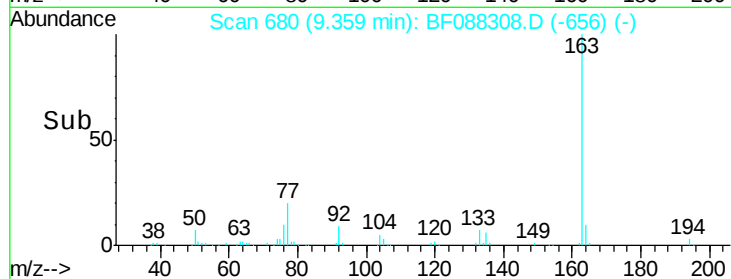
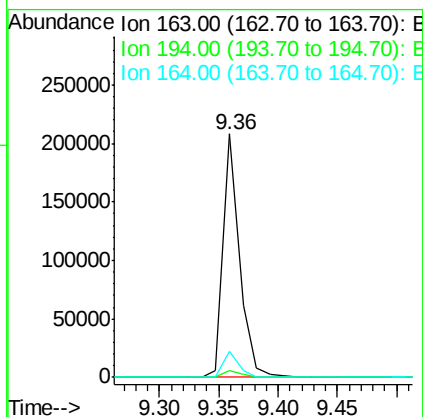
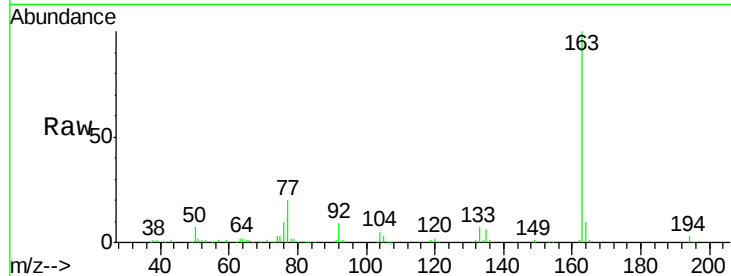
#49
Dimethylphthalate
Concen: 19.50 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Instrument :
BNA_F
ClientSampleId :
SB-2(0-6)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	197921		
194	3.0	2.8	4.2	
164	10.5	8.3	12.5	

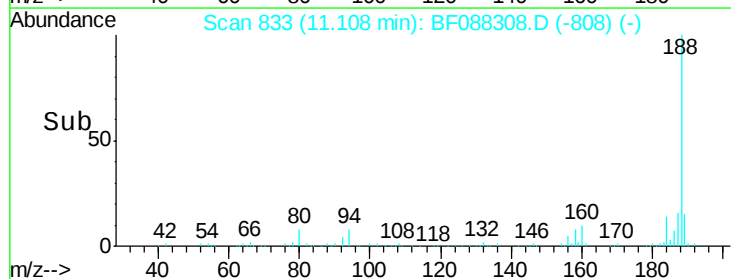
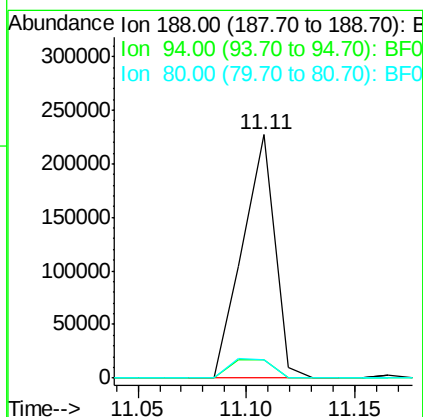
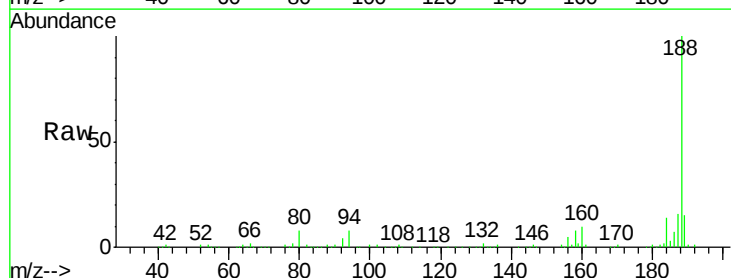
Manual Integrations
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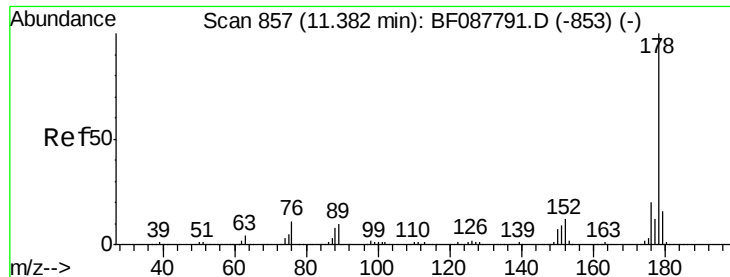
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	235422		
94	7.8	9.0	13.6#	
80	7.6	10.0	15.0#	





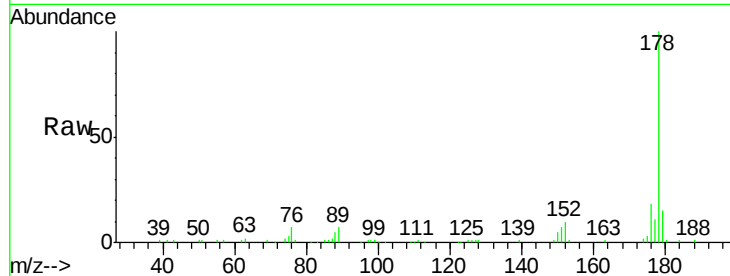
#70
Phenanthrene
Concen: 7.28 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Instrument :
BNA_F
ClientSampleId :
SB-2(0-6)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	14.5	13.0	19.4

Manual Integrations
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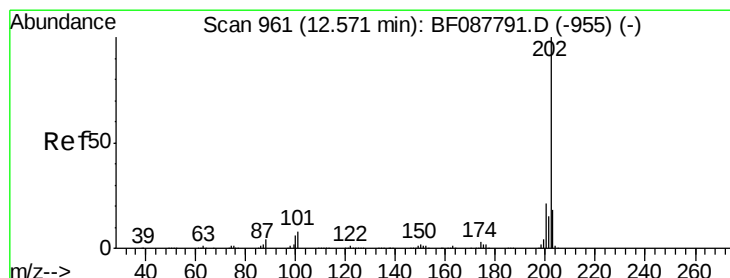
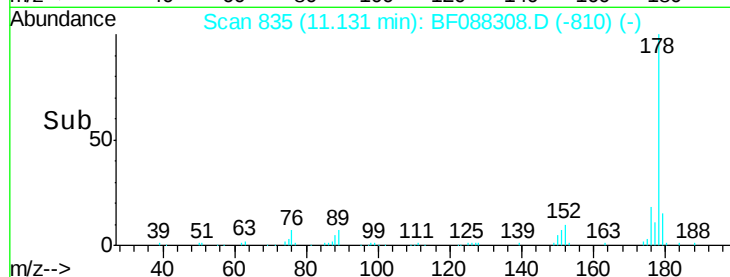
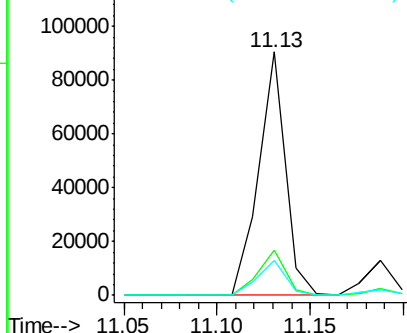


Abundance

Ion 178.00 (177.70 to 178.70): E

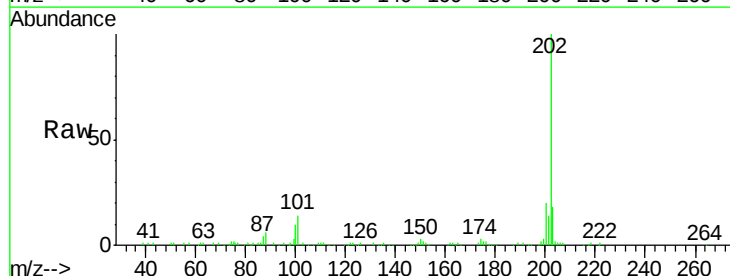
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
Fluoranthene
Concen: 8.71 ng
RT: 12.31 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.1
203	17.7	0.0	38.1

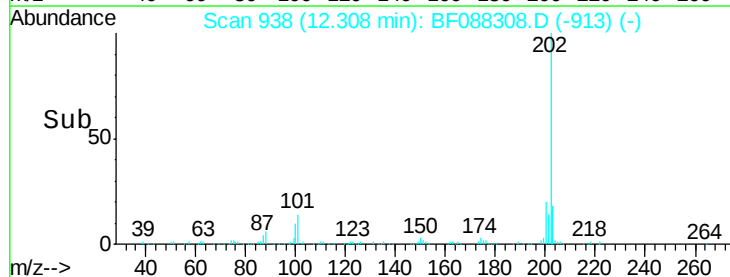
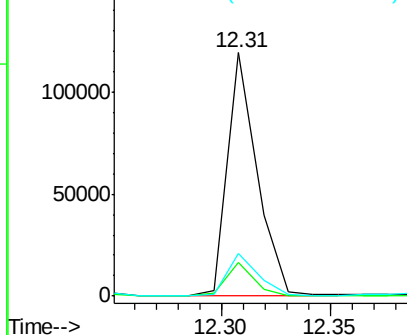


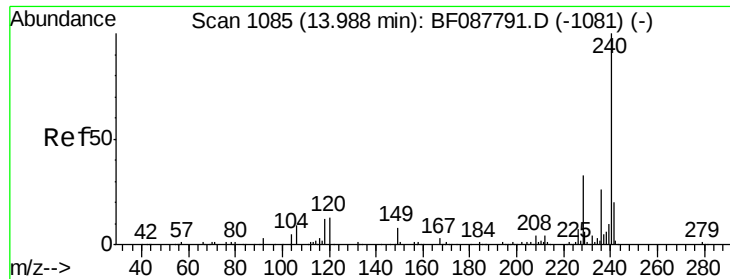
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

Instrument :

BNA_F

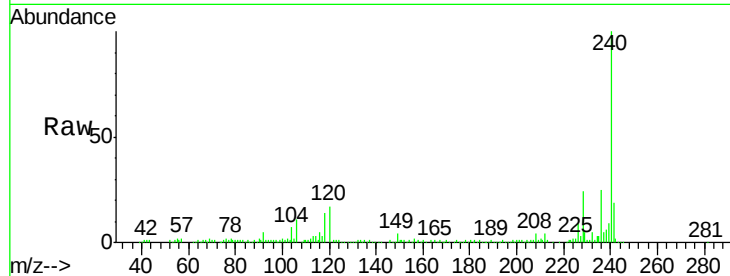
ClientSampleId :

SB-2(0-6)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	163332		
120	16.9	6.8	10.2#	
236	24.7	20.2	30.2	

Manual Integrations
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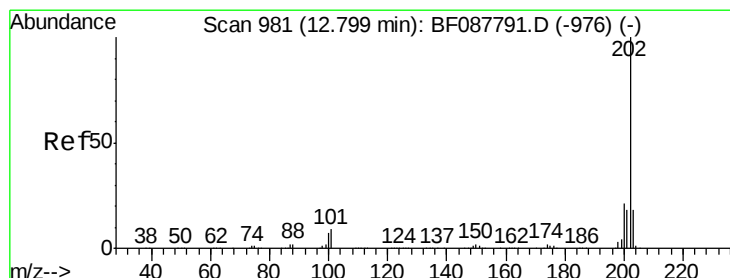
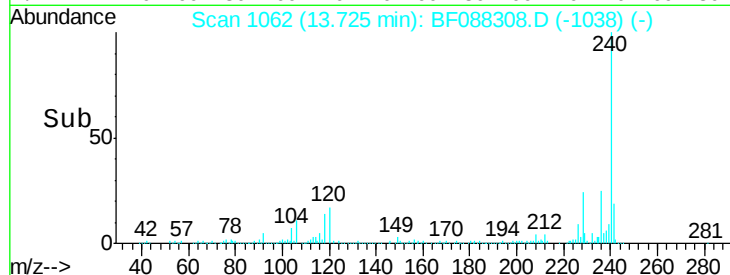
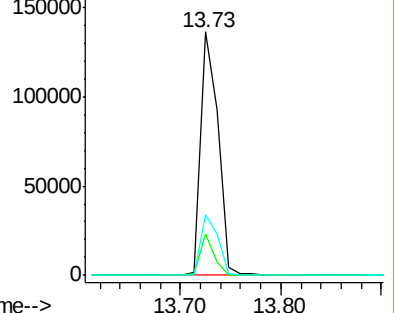
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.93 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.01 min

Lab File: BF088308.D

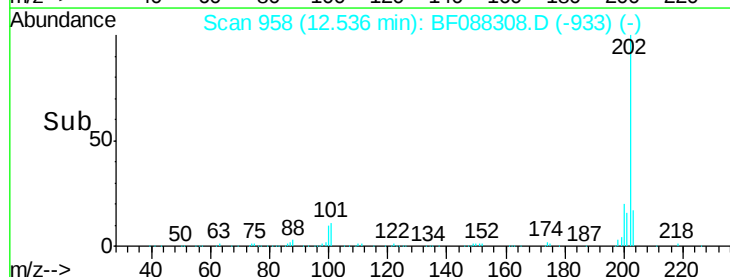
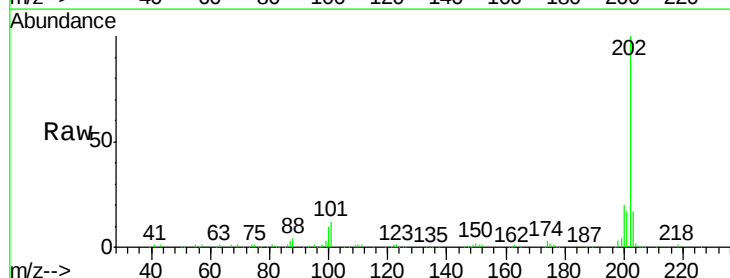
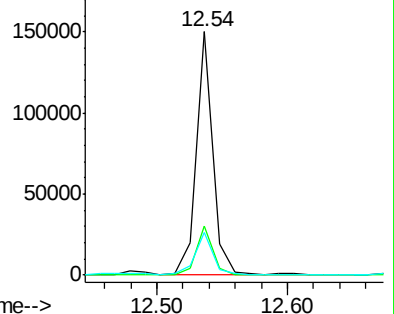
Acq: 24 Jun 2016 00:36

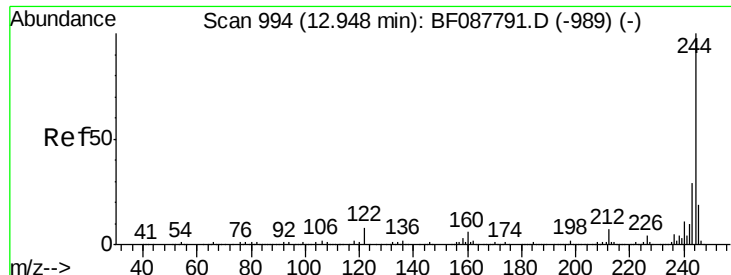
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	132501		
200	20.1	17.4	26.2	
203	17.4	14.5	21.7	

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





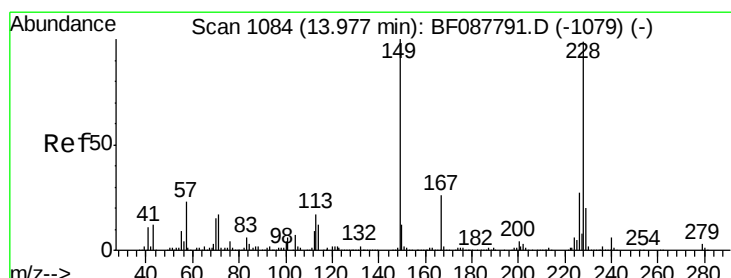
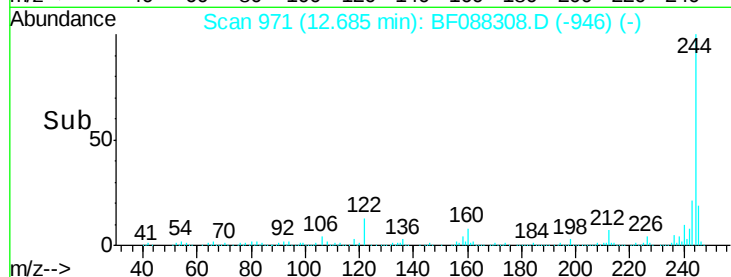
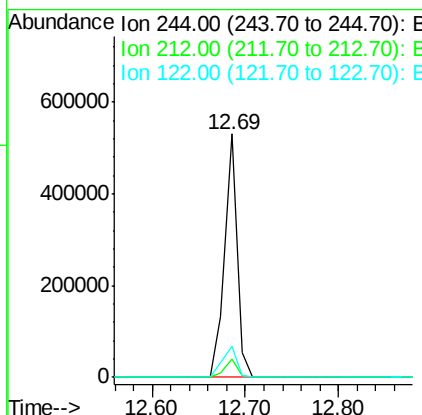
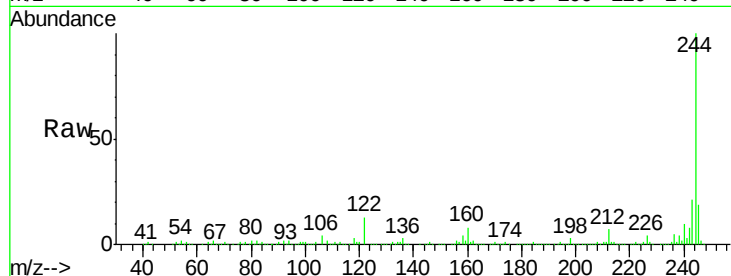
#78
 Terphenyl-d14
 Concen: 68.98 ng
 RT: 12.69 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: BF088308.D
 Acq: 24 Jun 2016 00:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-6)

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	495089		
212	7.4	6.0	9.0	
122	12.9	11.2	16.8	

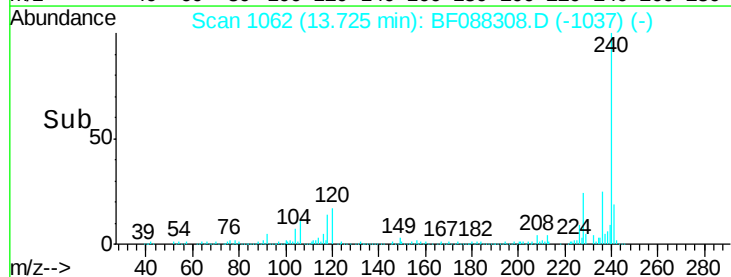
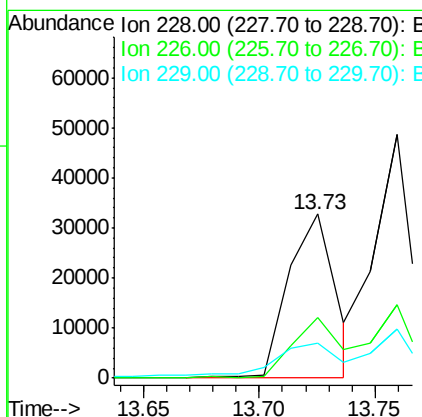
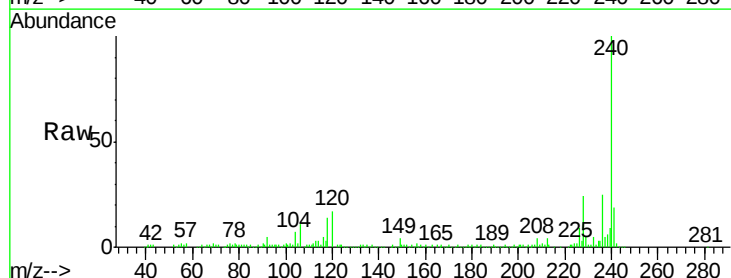
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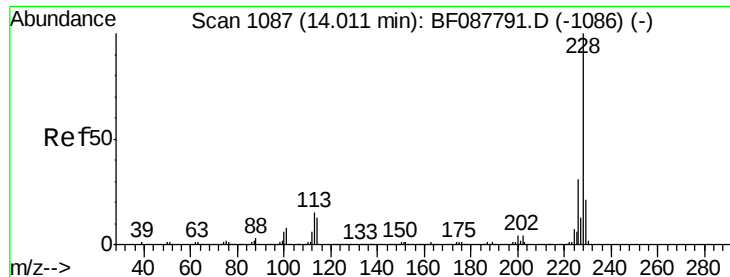
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#80
 Benzo(a)anthracene
 Concen: 4.99 ng m
 RT: 13.73 min Scan# 1062
 Delta R.T. -0.01 min
 Lab File: BF088308.D
 Acq: 24 Jun 2016 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	46451		
226	37.4	22.3	33.5#	
229	21.3	16.0	24.0	





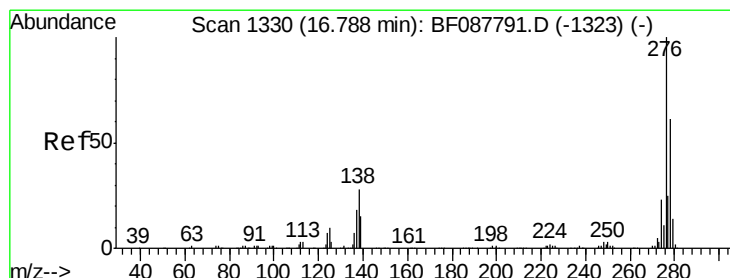
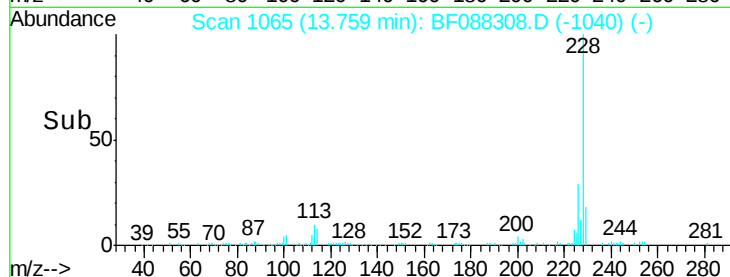
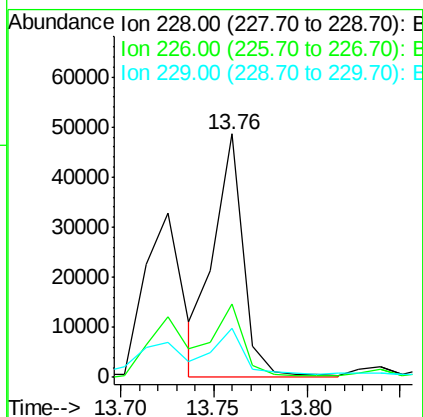
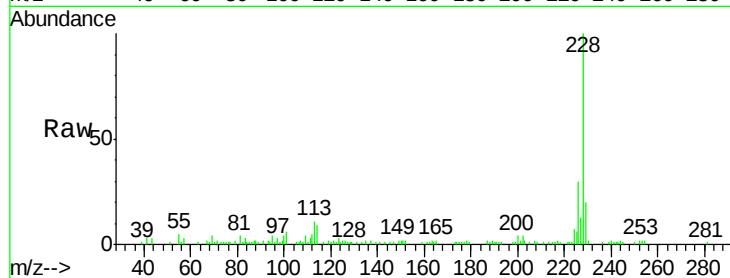
#82
Chrysene
Concen: 6.16 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Instrument :
BNA_F
ClientSampleId :
SB-2(0-6)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.2
229	20.2	16.3	24.5

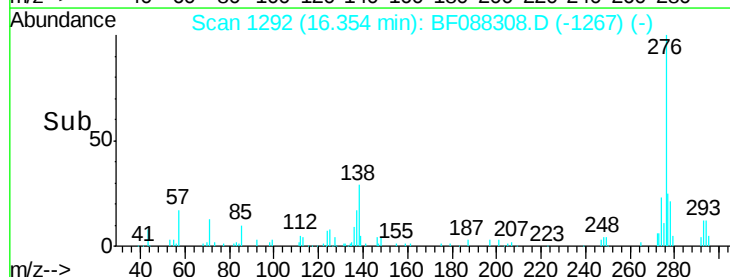
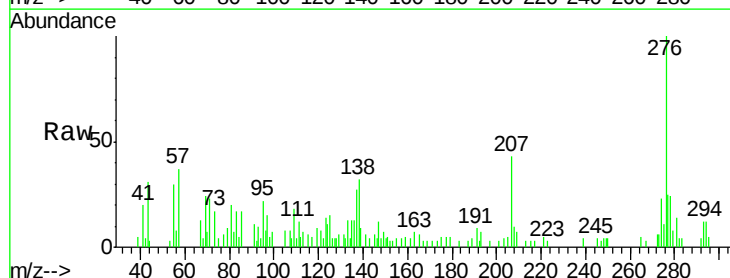
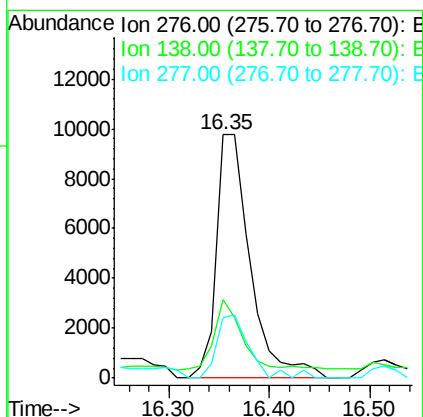
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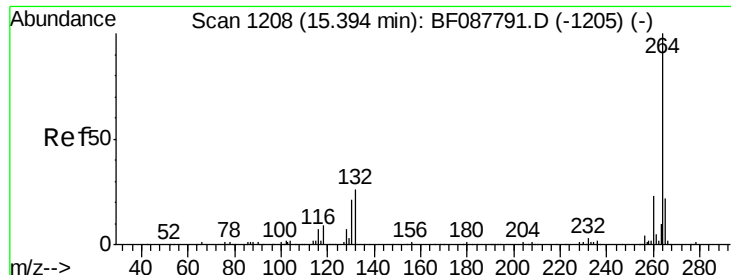
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.81 ng
RT: 16.35 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	0.0	0.0#
277	25.0	0.0	0.0#





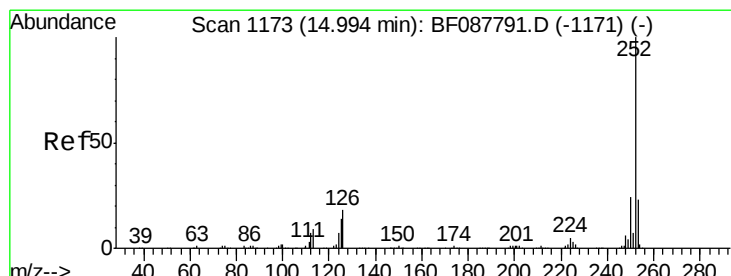
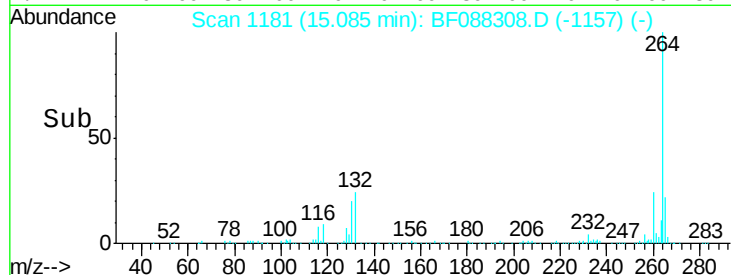
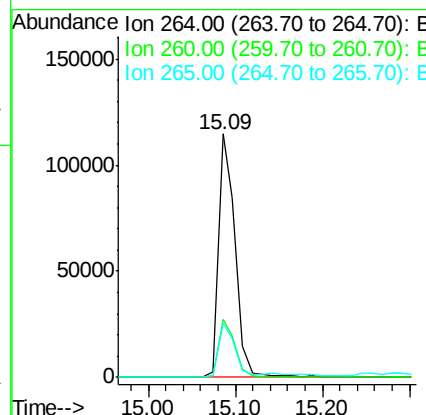
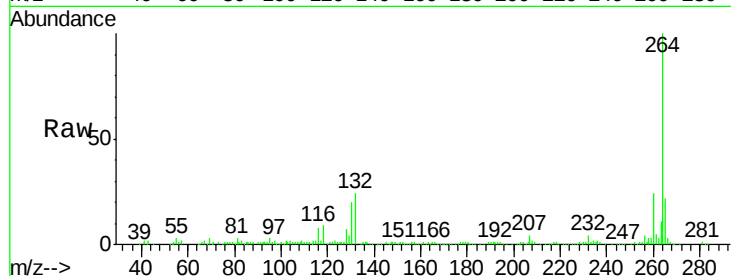
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Instrument :
BNA_F
ClientSampleId :
SB-2(0-6)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.2	16.9	25.3

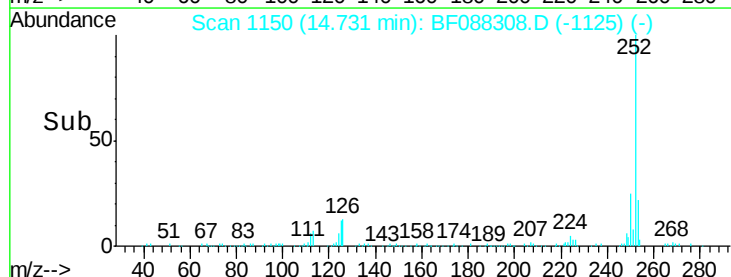
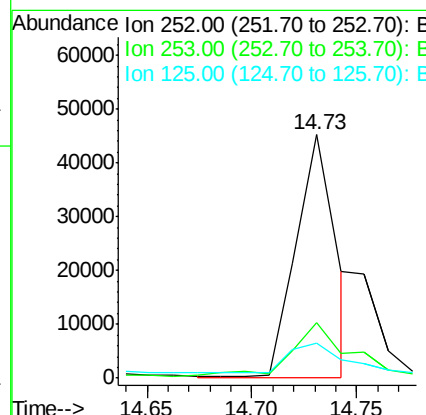
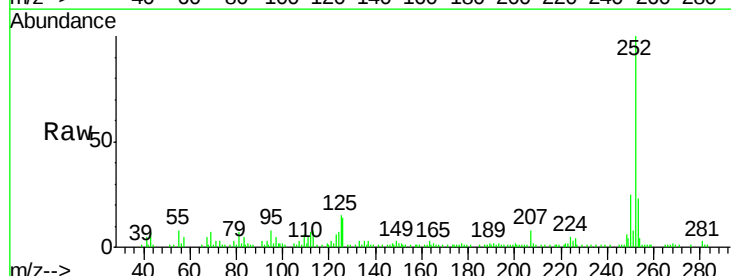
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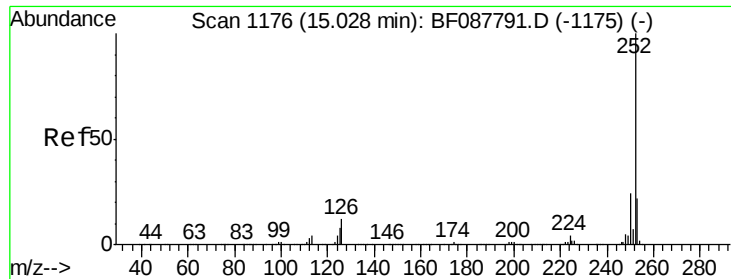
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#87
Benzo(b)fluoranthene
Concen: 5.59 ng m
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	14.6	7.1	10.7#





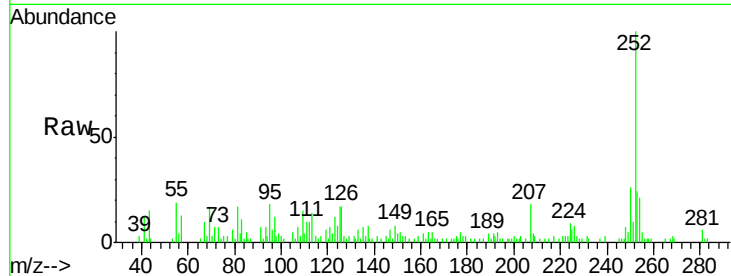
#88
Benzo(k)fluoranthene
Concen: 2.28 ng m
RT: 14.74 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Instrument :
BNA_F
ClientSampleId :
SB-2(0-6)

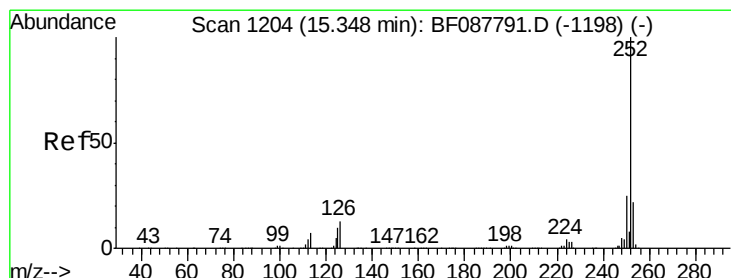
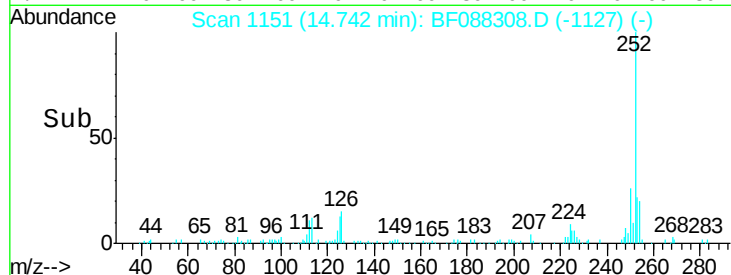
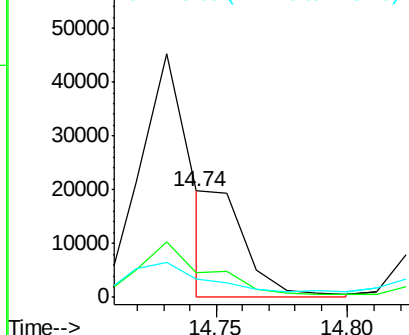
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	17.4	11.2	16.8

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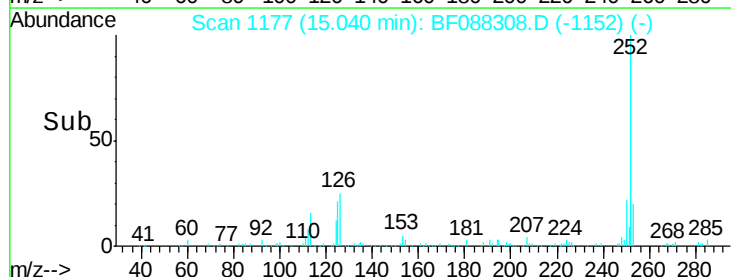
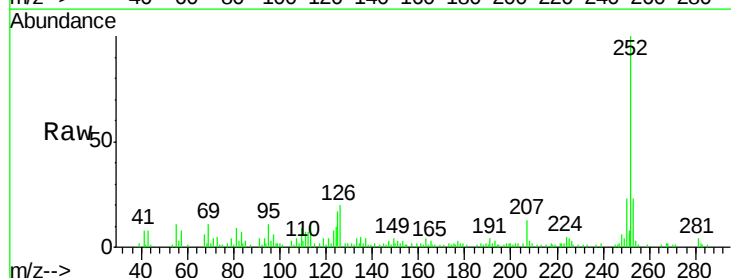
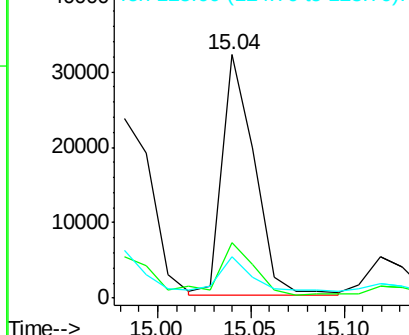
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

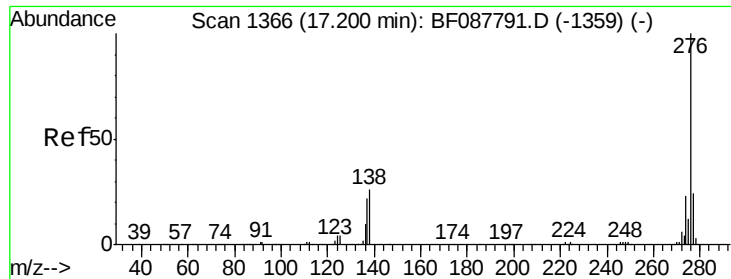


#89
Benzo(a)pyrene
Concen: 4.48 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	17.2	12.5	18.7

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





#91
 Benzo(g,h,i)perylene
 Concen: 2.73 ng
 RT: 16.74 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF088308.D
 Acq: 24 Jun 2016 00:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-6)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.9	28.3
138	28.2	21.4	32.2

Manual Integrations
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