

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085823.D
 Acq On : 29 Mar 2016 1:29
 Operator : UM/SJ
 Sample : H1942-02 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-927ANCOMP

Manual Integrations
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 3/29/2016 12:03:40 PM

Quant Time: Mar 29 02:25:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	112789	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	424532	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	173054	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	280577	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	206923	20.00	ng	0.00
86) Perylene-d12	15.40	264	214013	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	54735	8.08	ng	0.00
7) Phenol-d6	6.45	99	75466	8.76	ng	-0.01
23) Nitrobenzene-d5	7.38	82	43199	5.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	11044	6.72	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	87994	8.50	ng	-0.01
78) Terphenyl-d14	12.93	244	49406	4.91	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) Acenaphthene	9.89	154	38701	3.62	ng	98
57) Fluorene	10.40	166	38229	3.32	ng	# 89
71) Anthracene	11.42	178	33835	2.24	ng	# 88
74) Fluoranthene	12.55	202	227013	14.82	ng	98
77) Pyrene	12.78	202	260199	15.30	ng	98
80) Benzo(a)anthracene	13.97	228	70659	5.99	ng	94
82) Chrysene	14.00	228	41832m	3.52	ng	
83) Bis(2-ethylhexyl)phthalate	13.96	149	20982	2.46	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.78	276	27558	3.00	ng	95
87) Benzo(b)fluoranthene	15.00	252	73786m	5.47	ng	
88) Benzo(k)fluoranthene	15.02	252	24892m	2.05	ng	
89) Benzo(a)pyrene	15.34	252	30585	2.55	ng	# 65
91) Benzo(g,h,i)perylene	17.20	276	26787	2.38	ng	93

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

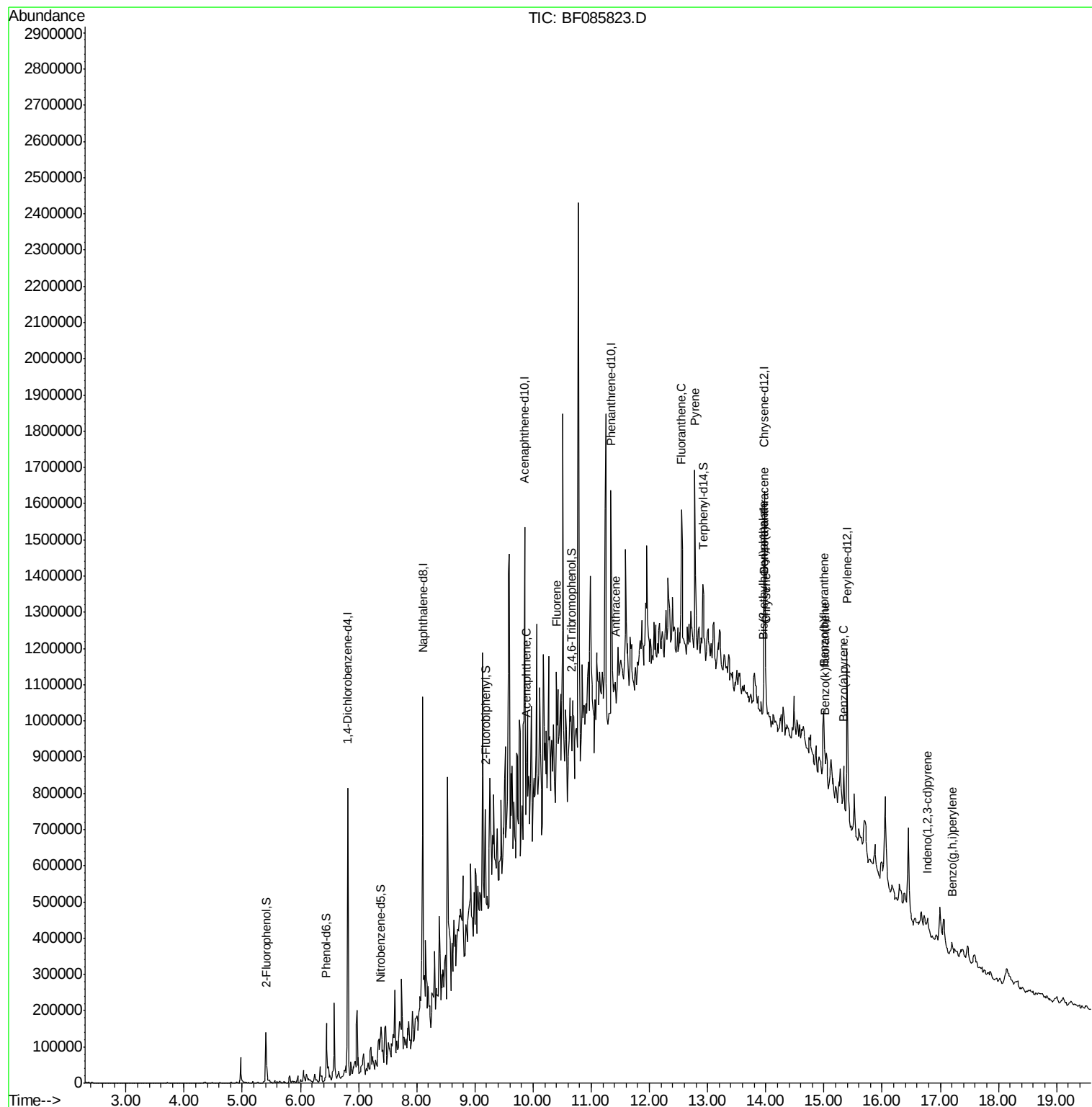
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF085823.D

Acq: 29 Mar 2016 1:29

Instrument :

BNA_F

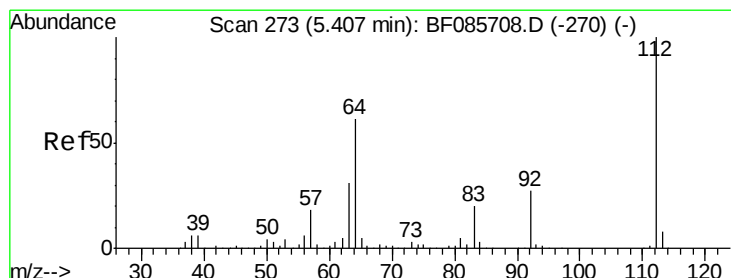
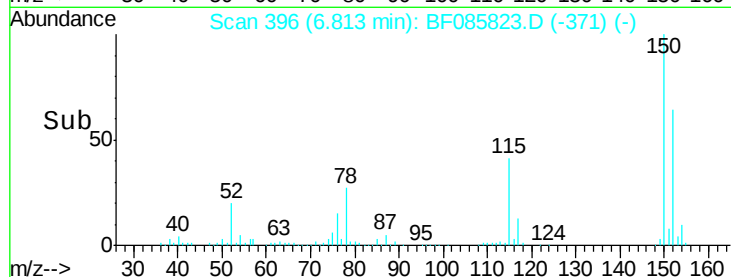
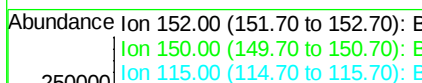
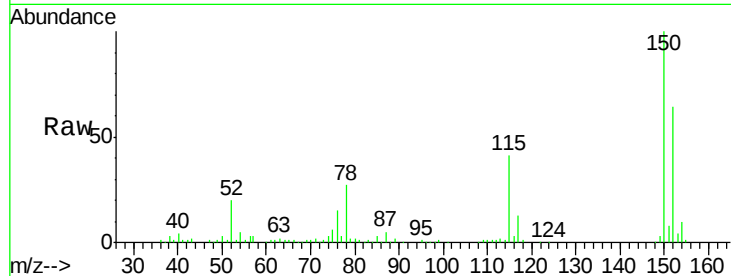
ClientSampleId :

B-927ANCOMP

Tgt Ion:	152	Resp:	112789
Ion Ratio	Lower	Upper	
152	100		
150	156.6	124.2	186.2
115	64.4	47.0	70.6

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#5

2-Fluorophenol

Concen: 8.08 ng

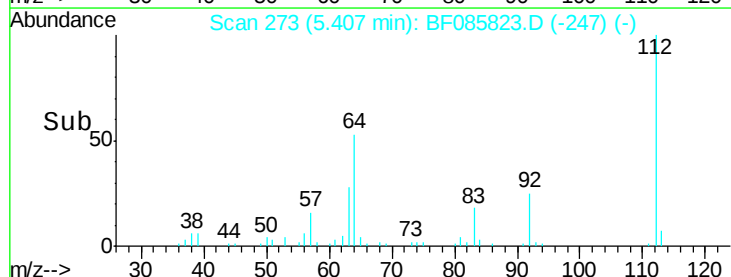
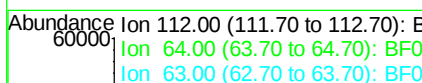
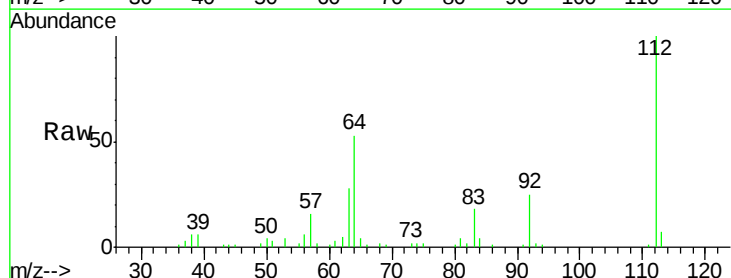
RT: 5.41 min Scan# 273

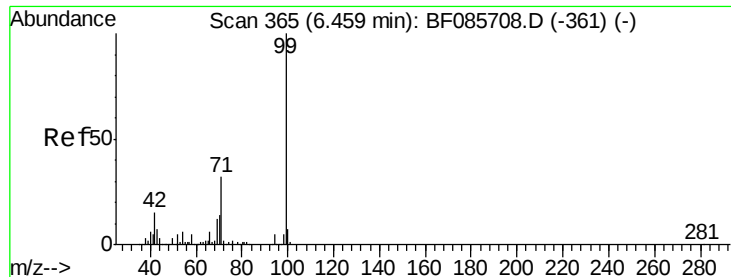
Delta R.T. 0.00 min

Lab File: BF085823.D

Acq: 29 Mar 2016 1:29

Tgt Ion:	112	Resp:	54735
Ion Ratio	Lower	Upper	
112	100		
64	53.3	39.9	59.9
63	28.3	20.2	30.2





#7

Phenol-d6

Concen: 8.76 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085823.D

Acq: 29 Mar 2016 1:29

Instrument :

BNA_F

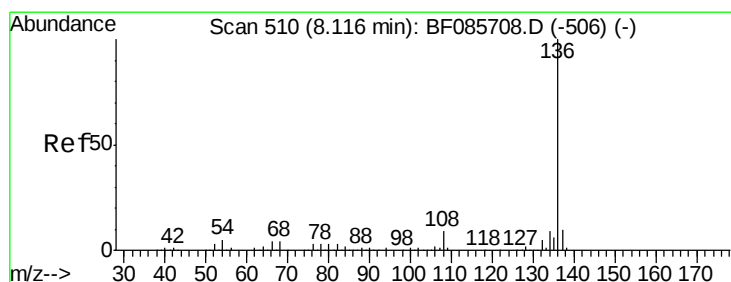
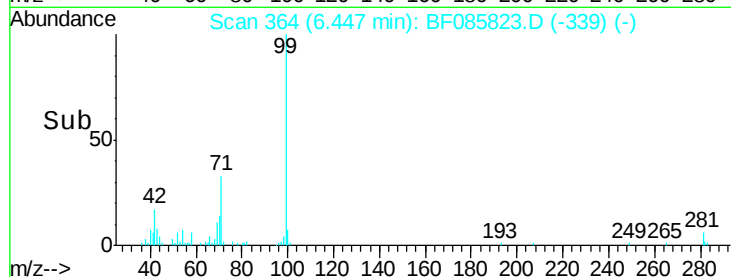
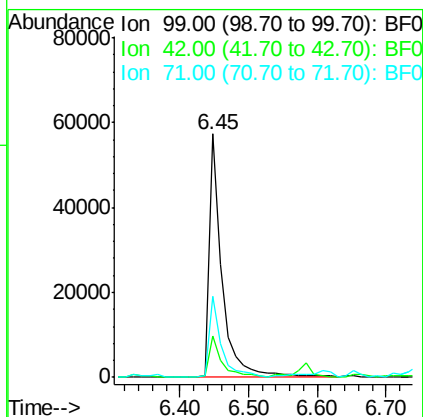
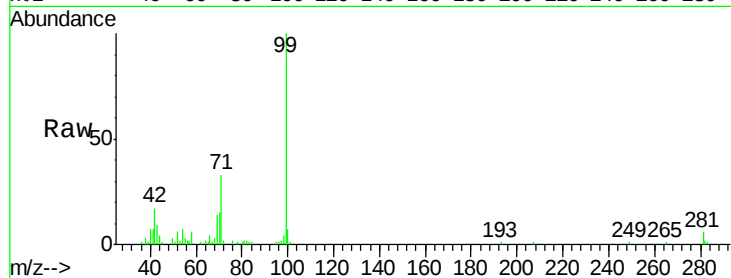
ClientSampleId :

B-927ANCOMP

Tgt Ion:	99	Resp:	75466
Ion Ratio	Lower	Upper	
99	100		
42	17.0	11.1	16.7#
71	33.1	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

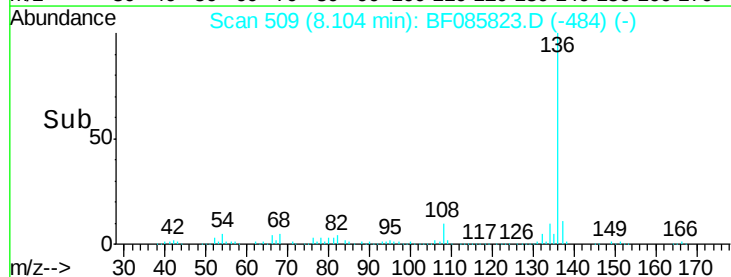
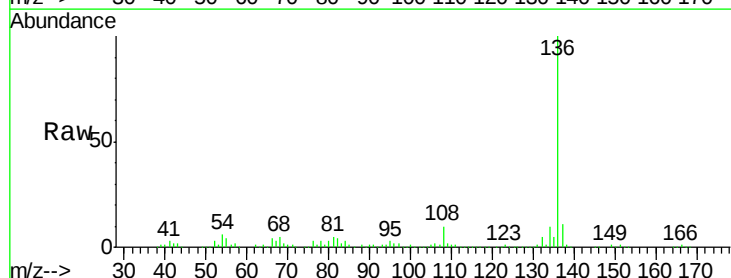
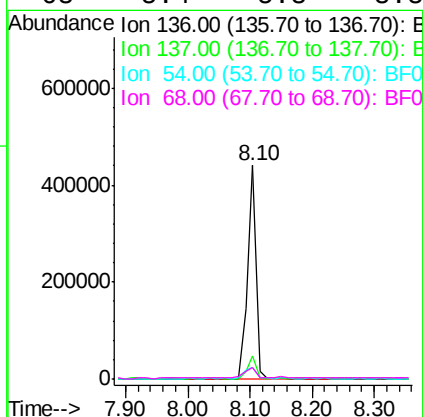
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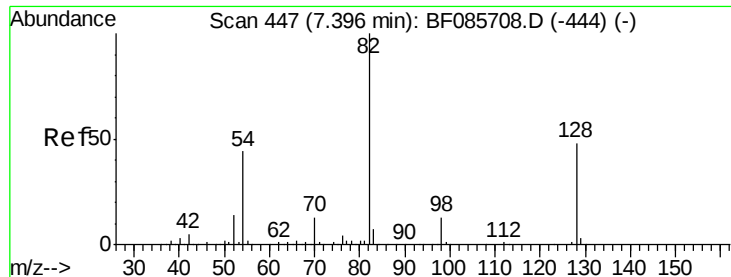
Delta R.T. -0.01 min

Lab File: BF085823.D

Acq: 29 Mar 2016 1:29

Tgt Ion:	136	Resp:	424532
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	5.6	7.4	11.0#
68	5.4	5.8	8.8#





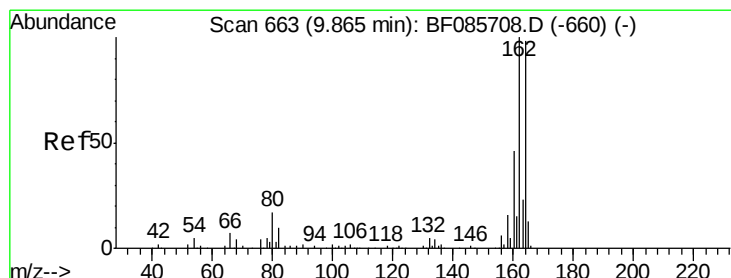
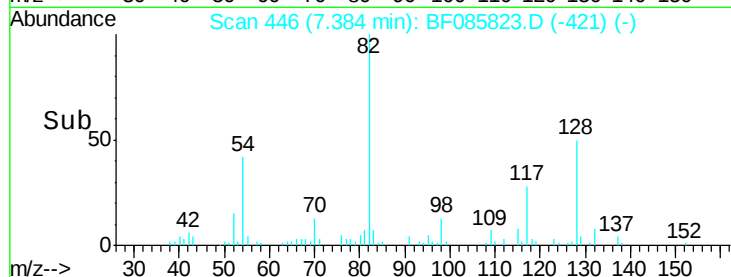
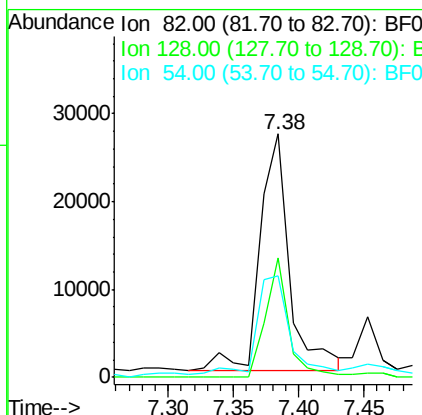
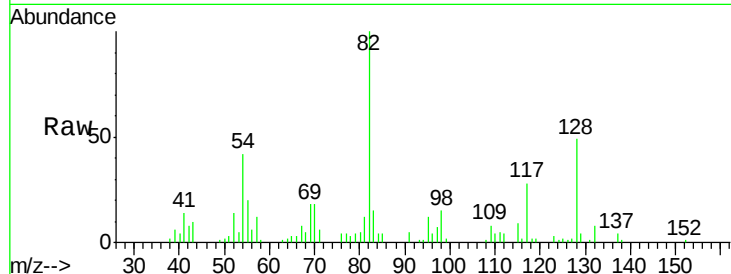
#23
 Nitrobenzene-d5
 Concen: 5.73 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085823.D
 Acq: 29 Mar 2016 1:29

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.9	41.8	62.8
54	41.9	33.4	50.0

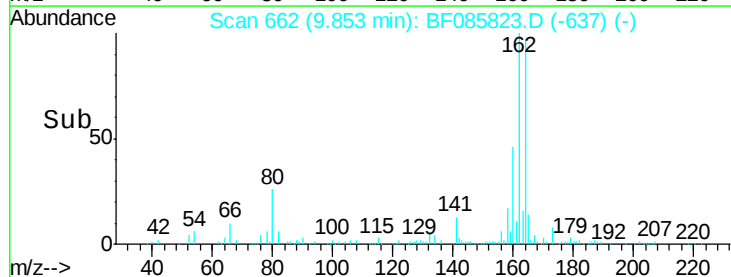
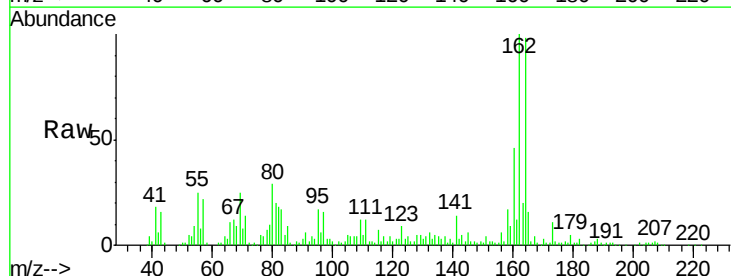
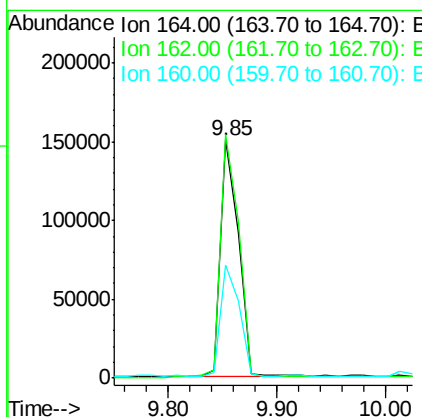
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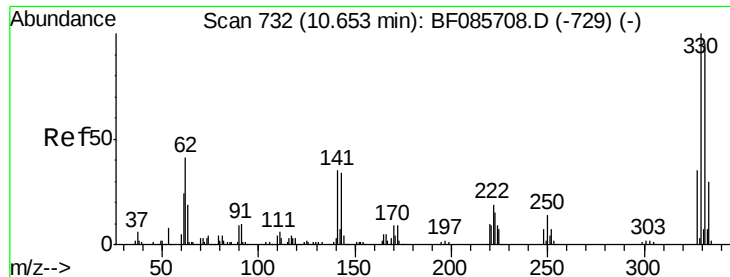
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF085823.D
 Acq: 29 Mar 2016 1:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.1	123.1
160	47.3	37.4	56.2





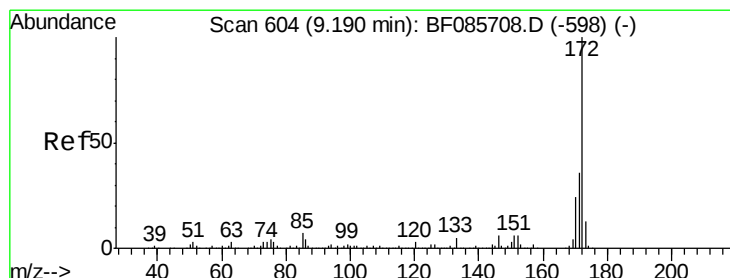
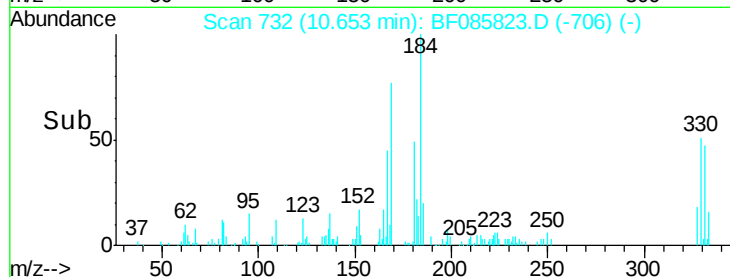
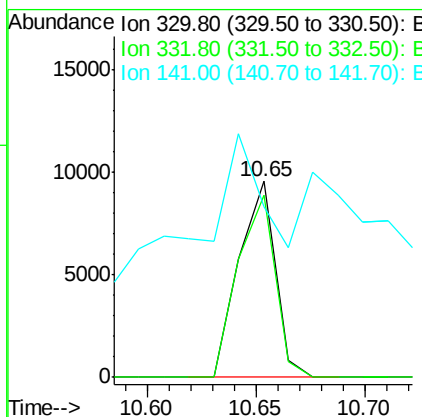
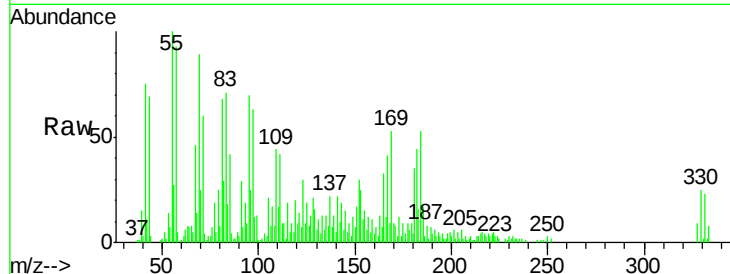
#41
 2,4,6-Tribromophenol
 Concen: 6.72 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085823.D
 Acq: 29 Mar 2016 1:29

Instrument :
 BNA_F
 ClientSampleId :
 B-927ANCOMP

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	11044		
332	95.5	78.2	117.2	
141	57.4	31.5	47.3	

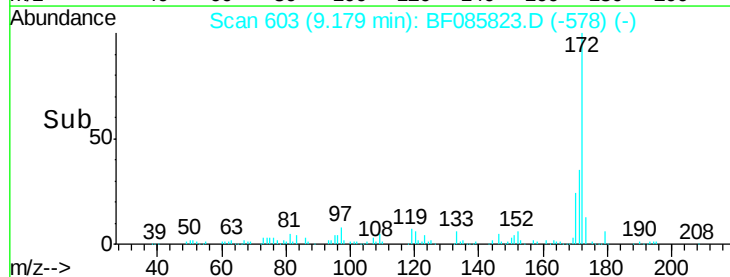
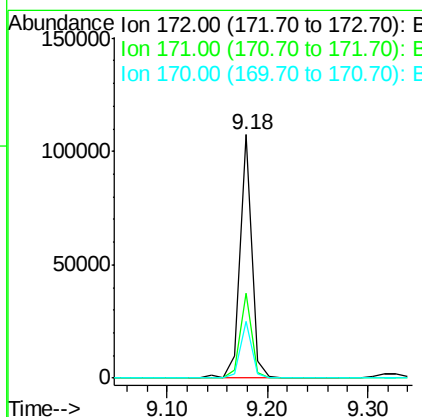
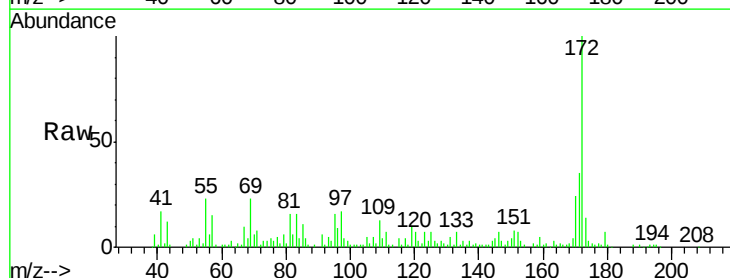
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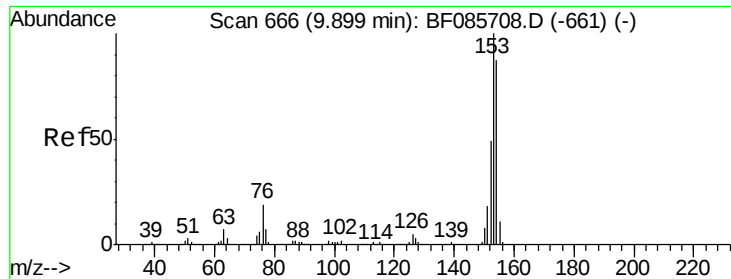
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#44
 2-Fluorobiphenyl
 Concen: 8.50 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085823.D
 Acq: 29 Mar 2016 1:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	87994		
171	34.9	29.4	44.2	
170	23.5	19.8	29.6	





#51

Acenaphthene

Concen: 3.62 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF085823.D

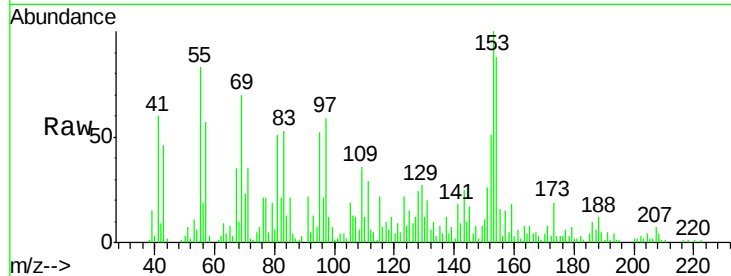
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Instrument :

BNA_F

ClientSampleId :

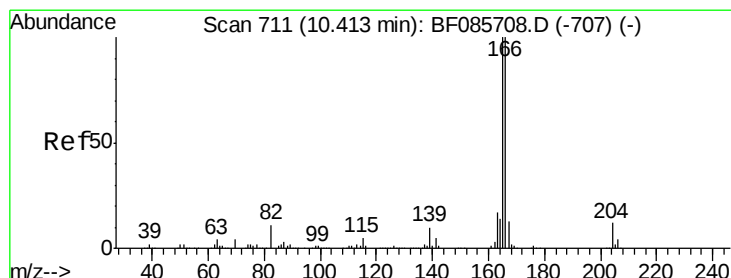
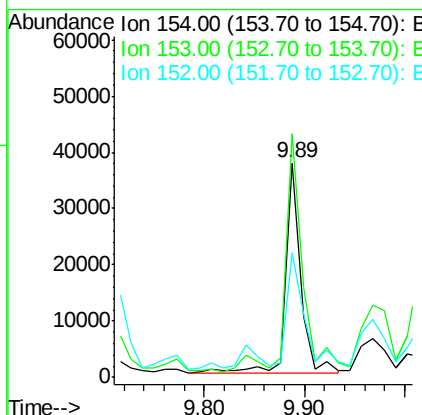
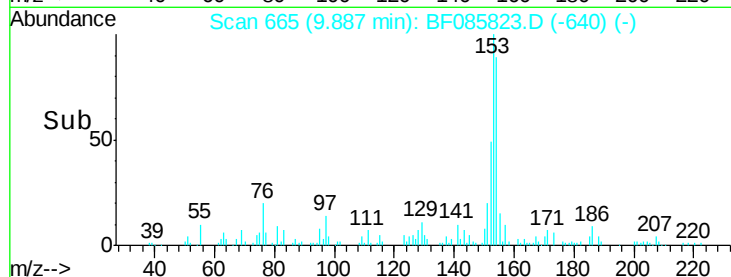
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Tgt Ion	Ratio	Resp	Lower	Upper
154	100	38701		
153	113.4	90.1	135.1	
152	57.9	44.2	66.2	

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#57

Fluorene

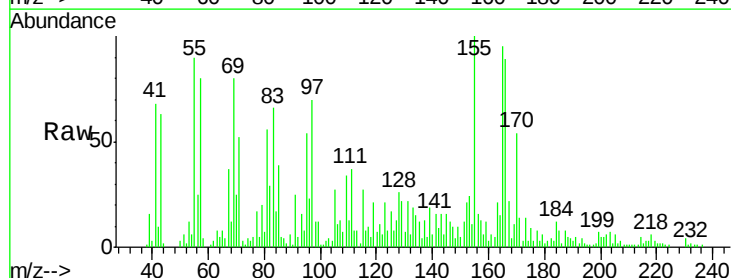
Concen: 3.32 ng

RT: 10.40 min Scan# 710

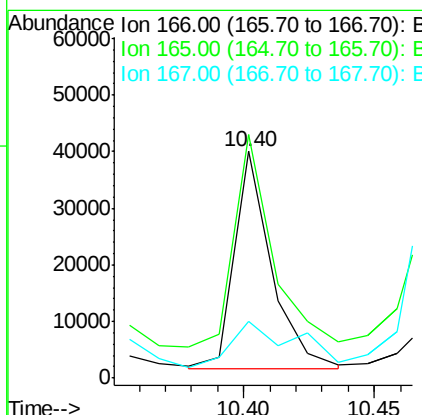
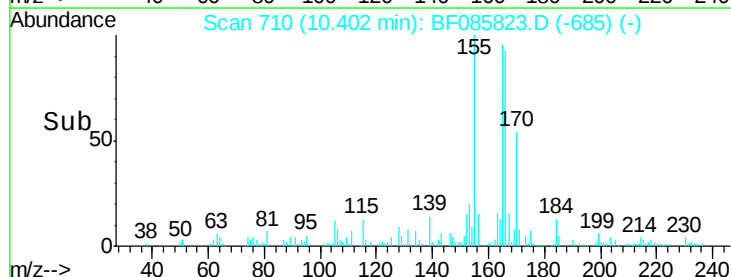
Delta R.T. -0.01 min

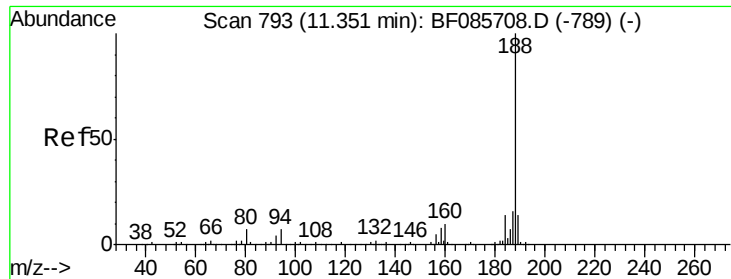
Lab File: BF085823.D

Acq: 29 Mar 2016 1:29



Tgt Ion	Ratio	Resp	Lower	Upper
166	100	38229		
165	107.6	79.4	119.0	
167	25.3	11.0	16.4#	





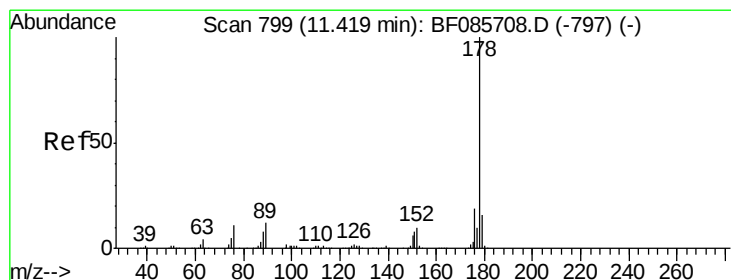
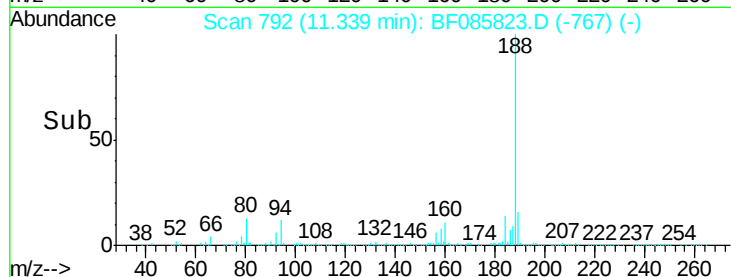
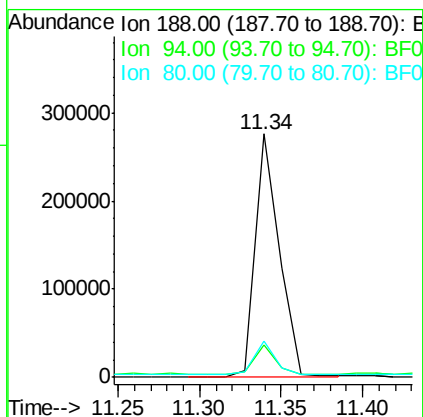
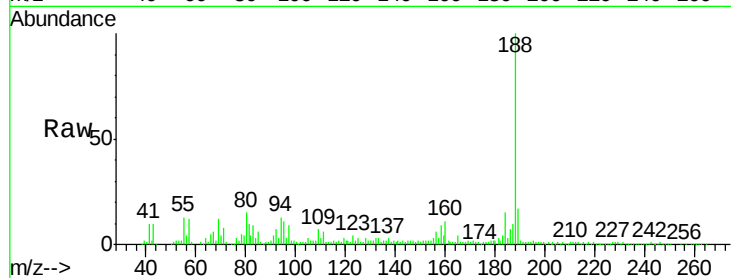
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085823.D
Acq: 29 Mar 2016 1:29

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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	13.4	5.4	8.0#
80	14.7	5.5	8.3#

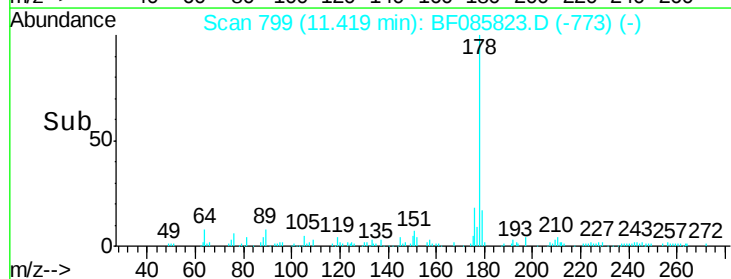
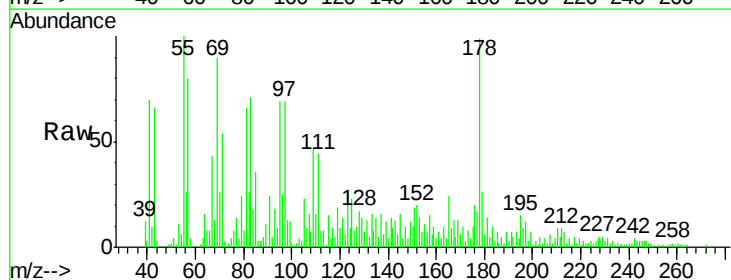
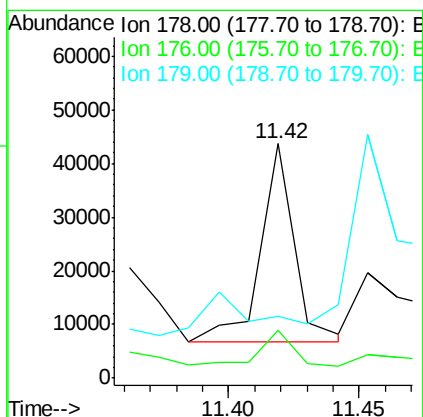
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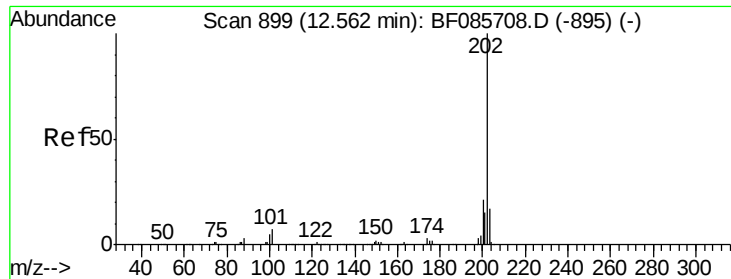
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#71
Anthracene
Concen: 2.24 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF085823.D
Acq: 29 Mar 2016 1:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.7	15.9	23.9
179	26.4	13.0	19.4#





#74

Fluoranthene

Concen: 14.82 ng

RT: 12.55 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF085823.D

Acq: 29 Mar 2016 1:29

Instrument :

BNA_F

ClientSampleId :

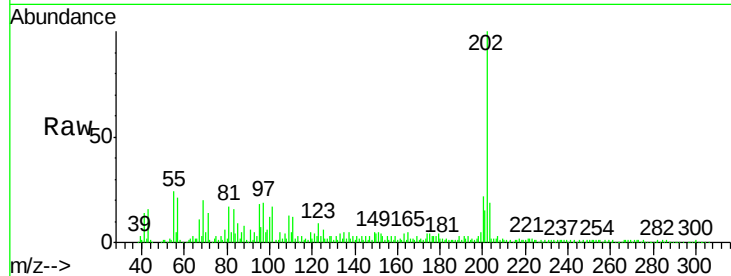
B-927ANCOMP

Manual Integrations
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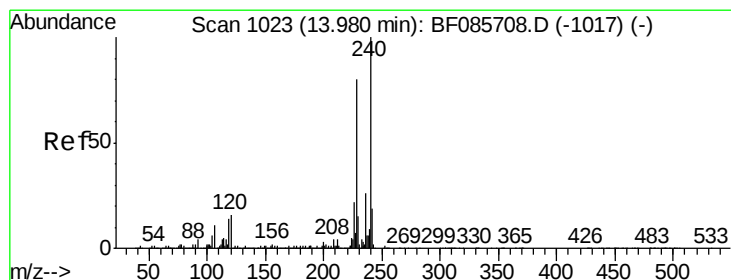
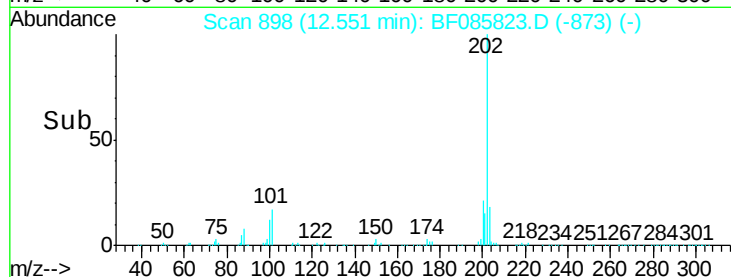
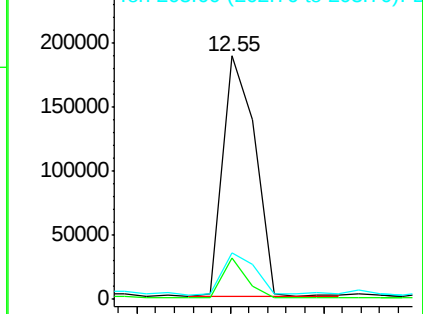
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Tgt	Ion	Ratio	Resp	Lower	Upper
202	100				
101	17.0	0.0	36.6		
203	19.3	0.0	38.1		



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

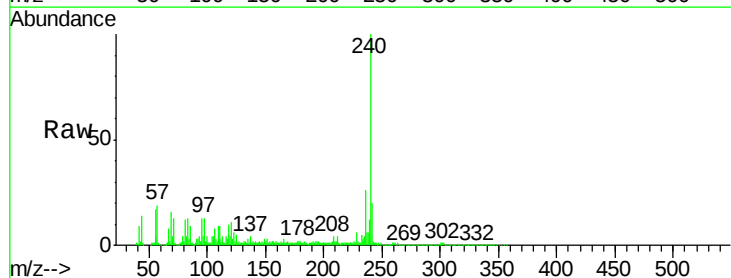
RT: 13.98 min Scan# 1023

Delta R.T. -0.00 min

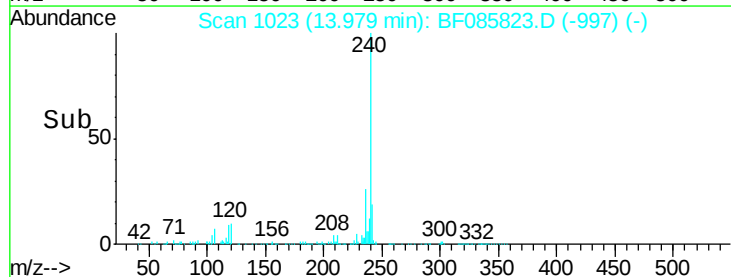
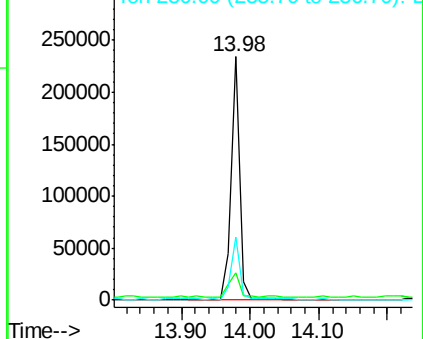
Lab File: BF085823.D

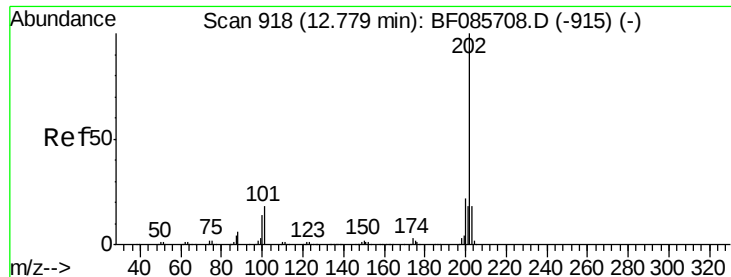
Acq: 29 Mar 2016 1:29

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100				
120	11.4	13.8	20.8#		
236	26.1	20.6	30.8		



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: 15.30 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085823.D

Acq: 29 Mar 2016 1:29

Instrument :

BNA_F

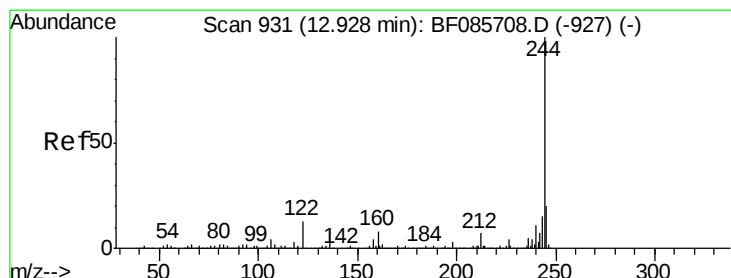
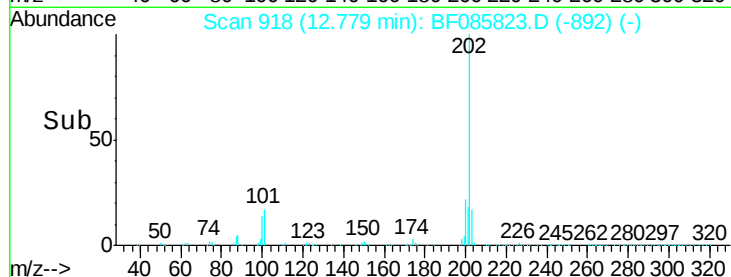
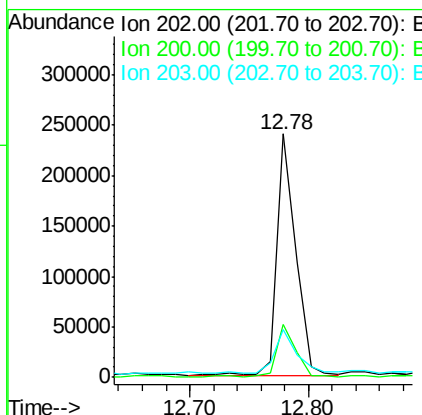
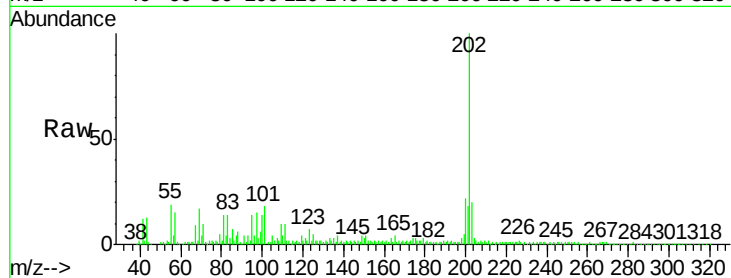
ClientSampleId :

B-927ANCOMP

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	260199		
200	22.0	17.6	26.4	
203	19.5	14.0	21.0	

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#78

Terphenyl-d14

Concen: 4.91 ng

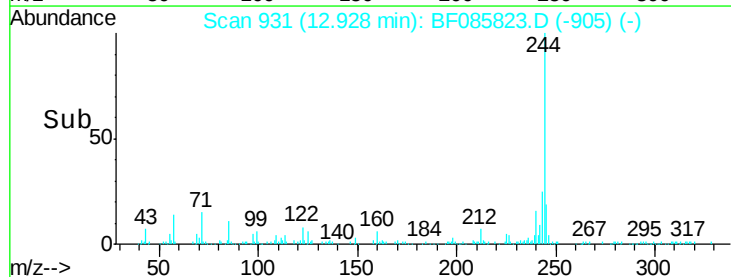
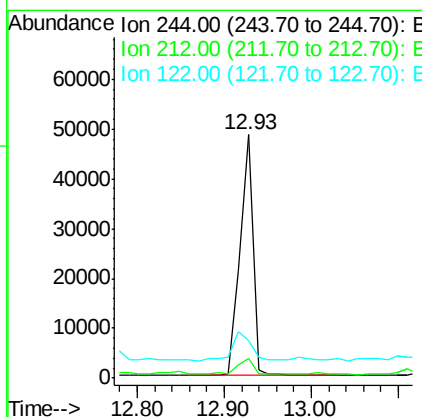
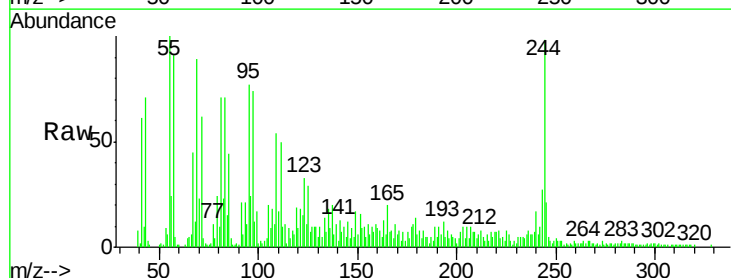
RT: 12.93 min Scan# 931

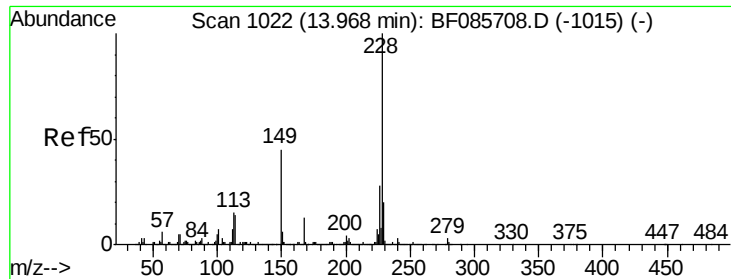
Delta R.T. -0.00 min

Lab File: BF085823.D

Acq: 29 Mar 2016 1:29

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	49406		
212	8.3	6.1	9.1	
122	15.6	10.2	15.4	





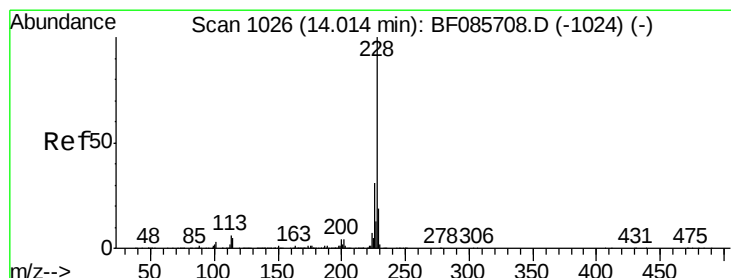
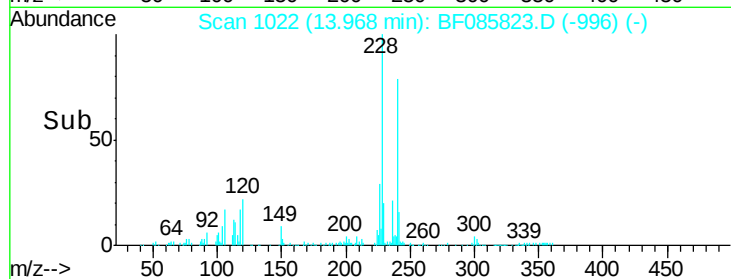
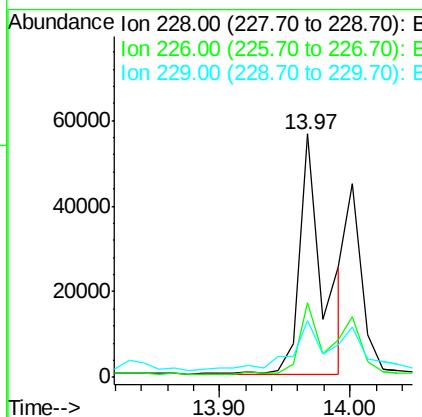
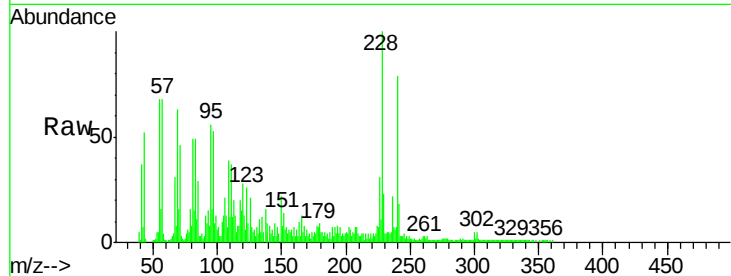
#80
Benzo(a)anthracene
Concen: 5.99 ng
RT: 13.97 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF085823.D
Acq: 29 Mar 2016 1:29

Instrument :
BNA_F
ClientSampleId :
B-927ANCOMP

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.1	33.1
229	23.3	16.2	24.4

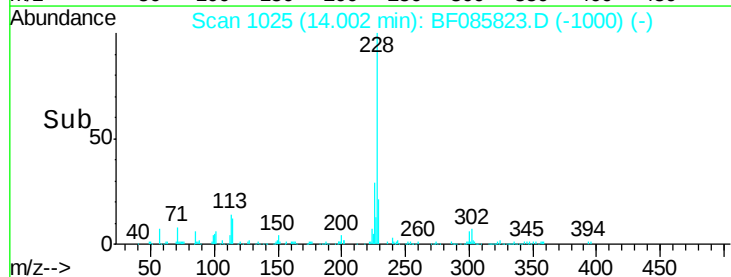
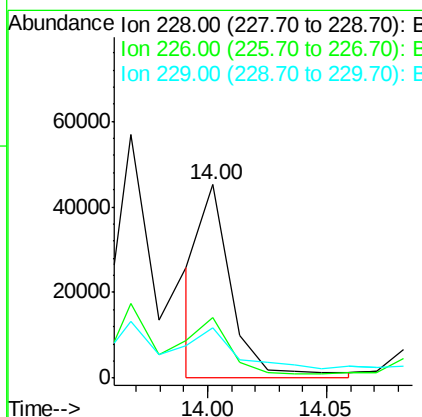
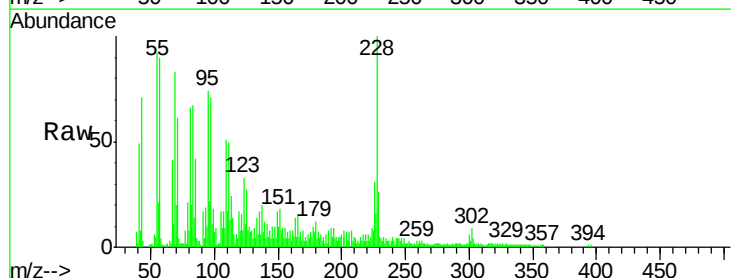
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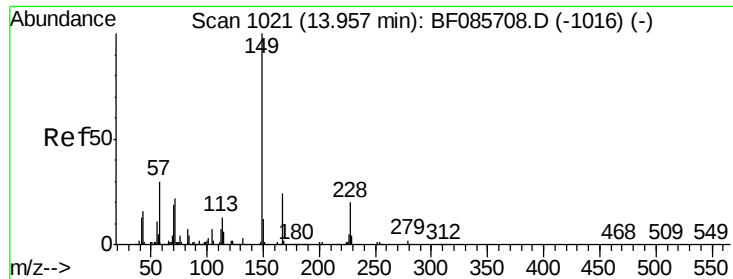
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#82
Chrysene
Concen: 3.52 ng m
RT: 14.00 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF085823.D
Acq: 29 Mar 2016 1:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	25.9	15.7	23.5#





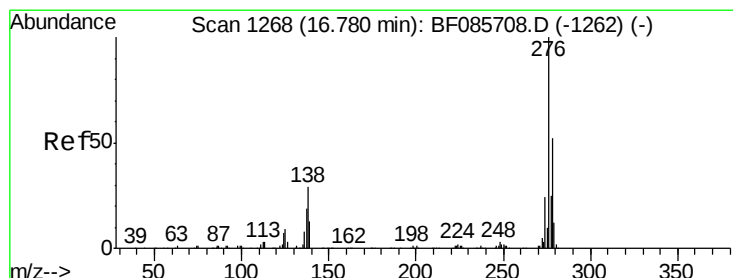
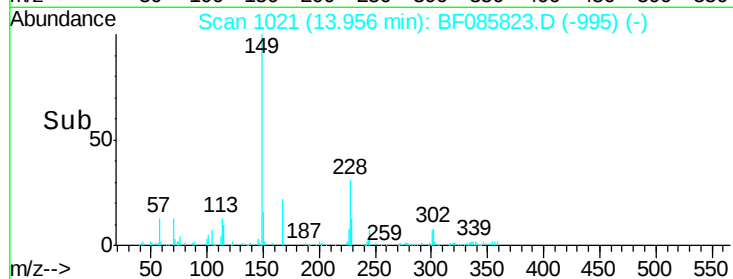
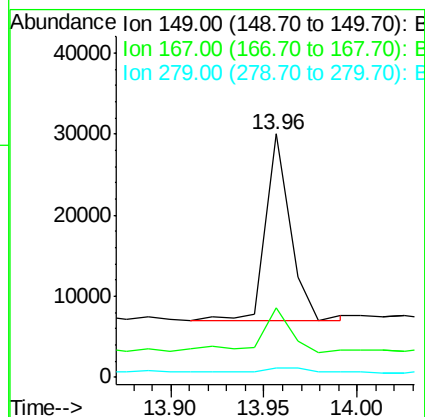
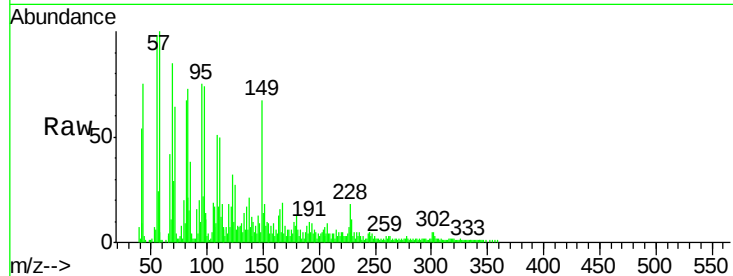
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.46 ng
RT: 13.96 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF085823.D
Acq: 29 Mar 2016 1:29

Instrument :
BNA_F
ClientSampleId :
B-927ANCOMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	28.7	19.4	29.2
279	3.6	1.5	2.3

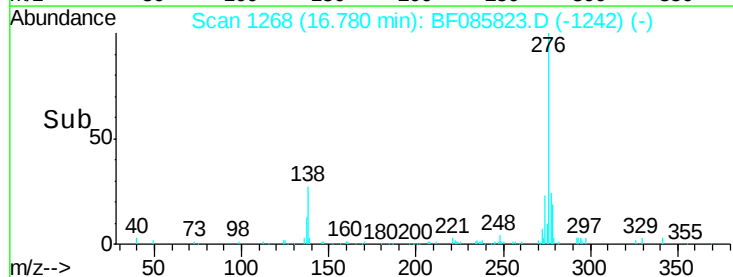
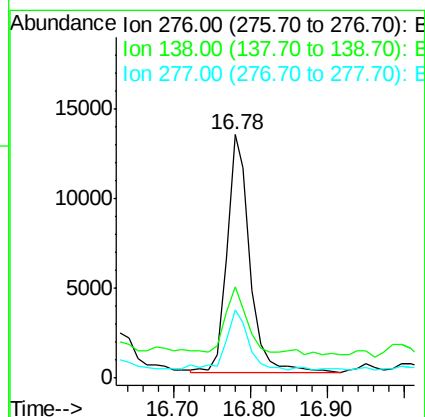
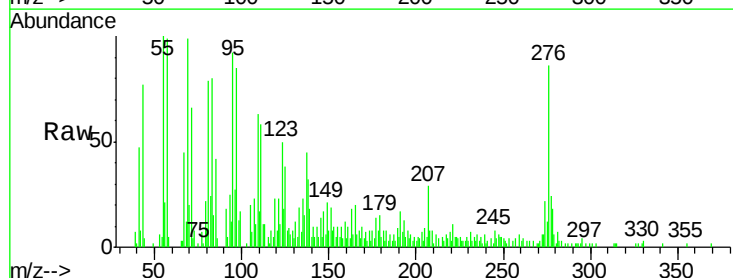
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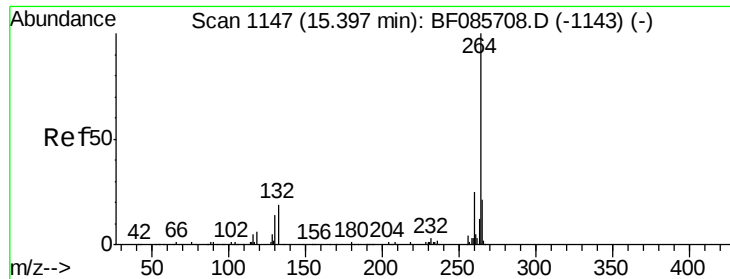
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.00 ng
RT: 16.78 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF085823.D
Acq: 29 Mar 2016 1:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.2	24.2	36.4
277	24.9	20.0	30.0





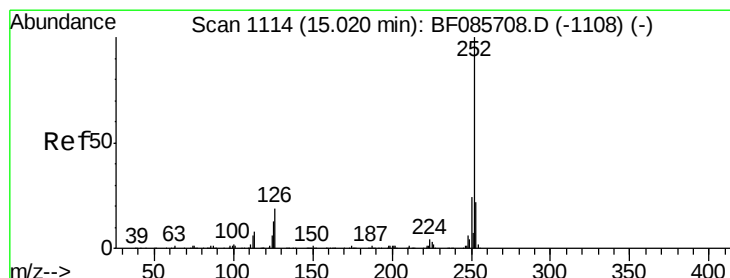
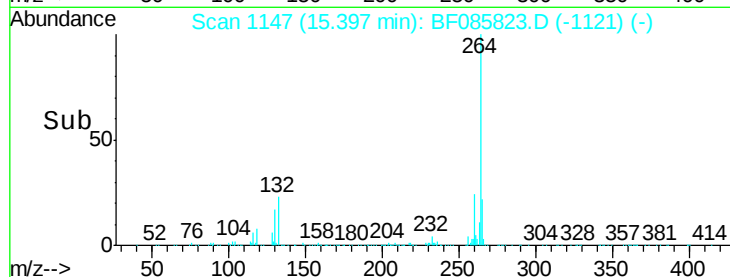
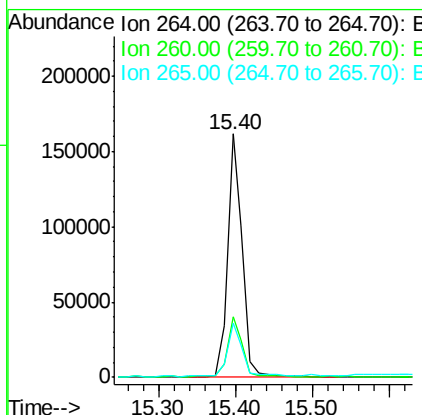
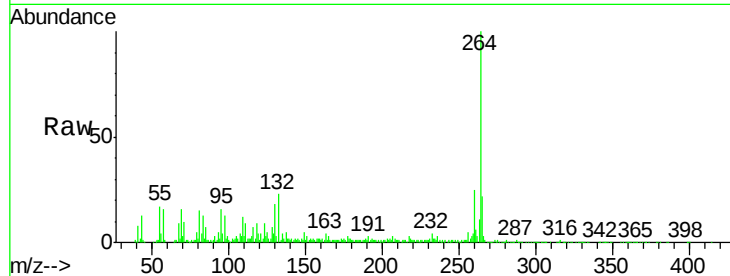
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF085823.D
Acq: 29 Mar 2016 1:29

Instrument :
BNA_F
ClientSampleId :
B-927ANCOMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	22.2	17.2	25.8

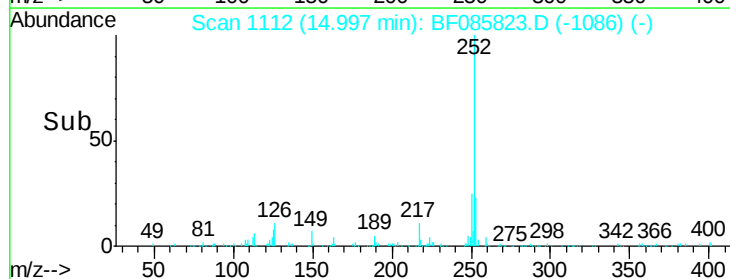
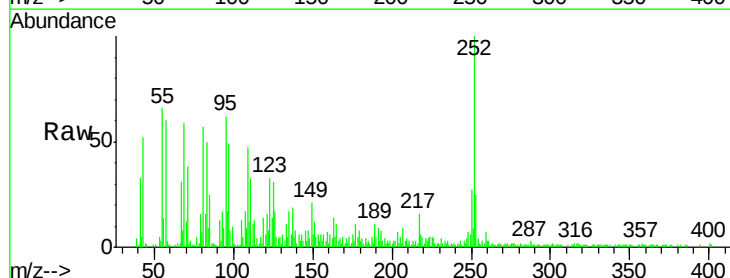
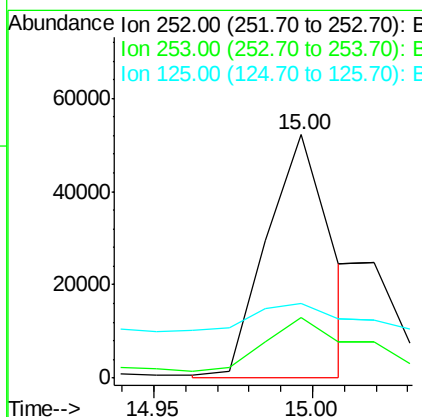
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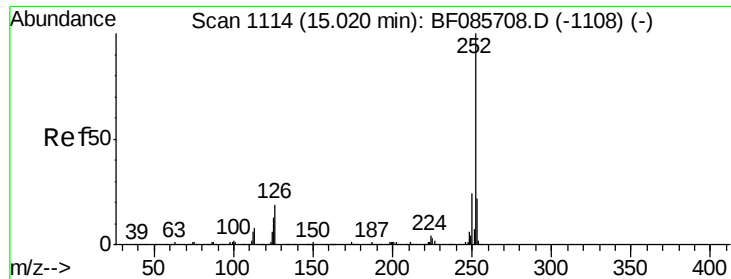
Sohil
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#87
Benzo(b)fluoranthene
Concen: 5.47 ng m
RT: 15.00 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BF085823.D
Acq: 29 Mar 2016 1:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.6	26.4
125	30.8	10.3	15.5#





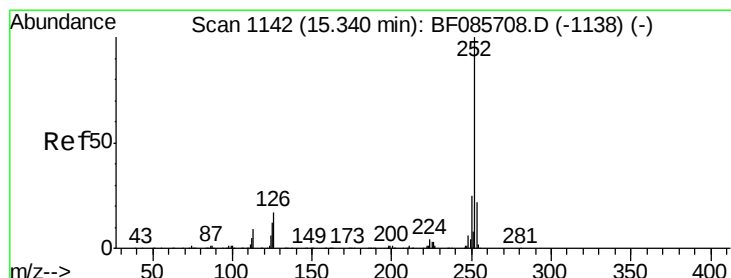
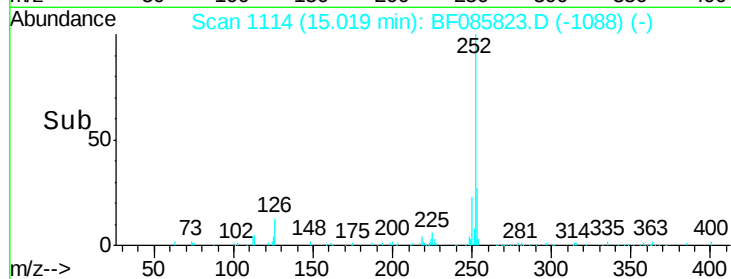
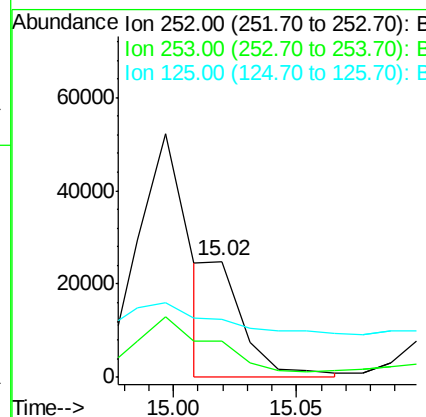
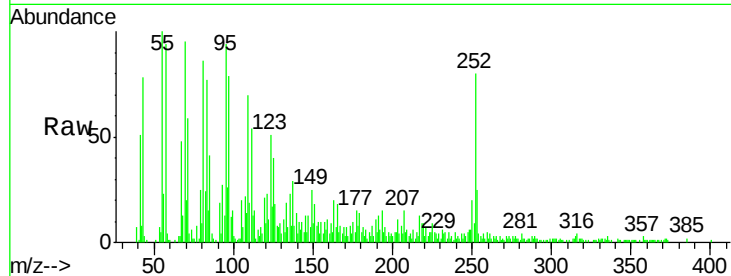
#88
Benzo(k)fluoranthene
Concen: 2.05 ng m
RT: 15.02 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BF085823.D
Acq: 29 Mar 2016 1:29

Instrument :
BNA_F
ClientSampleId :
B-927ANCOMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.1	17.8	26.6#
125	49.8	7.7	11.5#

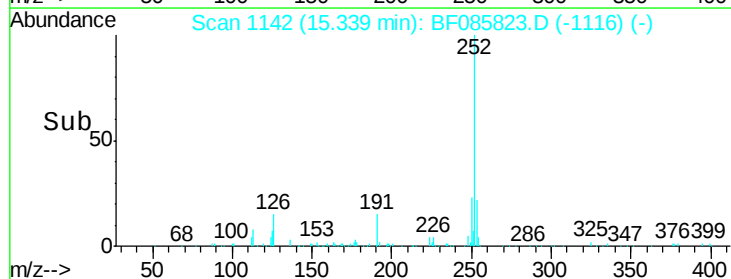
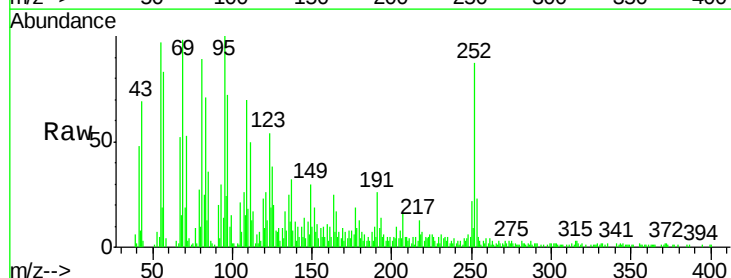
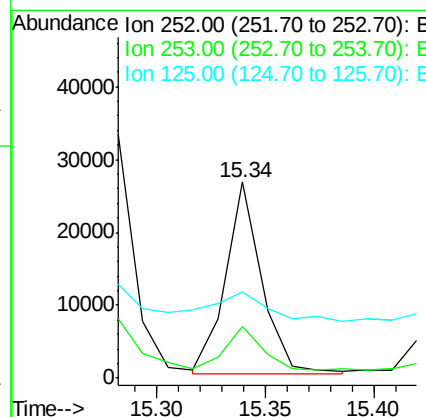
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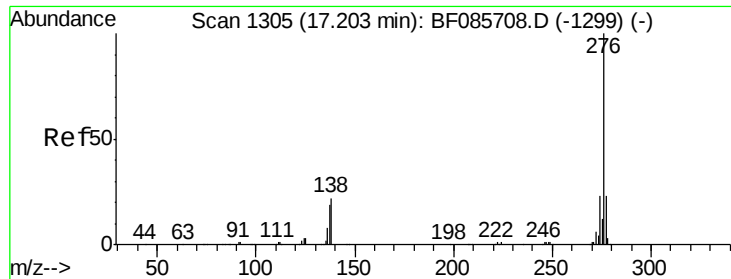
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#89
Benzo(a)pyrene
Concen: 2.55 ng
RT: 15.34 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF085823.D
Acq: 29 Mar 2016 1:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.4	26.0#
125	44.0	10.3	15.5#





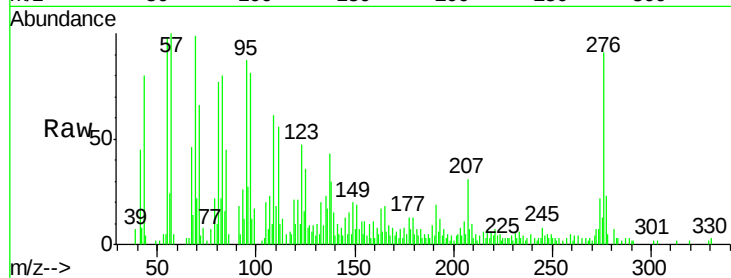
#91
 Benzo(g,h,i)perylene
 Concen: 2.38 ng
 RT: 17.20 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: BF085823.D
 Acq: 29 Mar 2016 1:29

Instrument :
 BNA_F
 ClientSampleId :
 B-927ANCOMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.5	18.8	28.2
138	32.9	22.6	34.0

Manual Integrations
 APPROVED

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

