

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
 Data File : BF085592.D
 Acq On : 20 Mar 2016 00:09
 Operator : UM/SJ
 Sample : H1796-22RE 5X
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB23(10-13)RE

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Quant Time: Mar 21 12:10:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	141107m	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	595261	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	237317	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	400744	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	287015	20.00	ng	-0.01
86) Perylene-d12	15.43	264	299048	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	8408	1.00	ng	0.00
7) Phenol-d6	6.48	99	16958	1.57	ng	-0.01
23) Nitrobenzene-d5	7.42	82	8305	0.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	2729	1.17	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	24830	0.03	ng	-0.01
78) Terphenyl-d14	12.95	244	15444	1.29	ng	-0.01
Target Compounds						
70) Phenanthrene	11.40	178	45209	2.14	ng	Qvalue 99

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

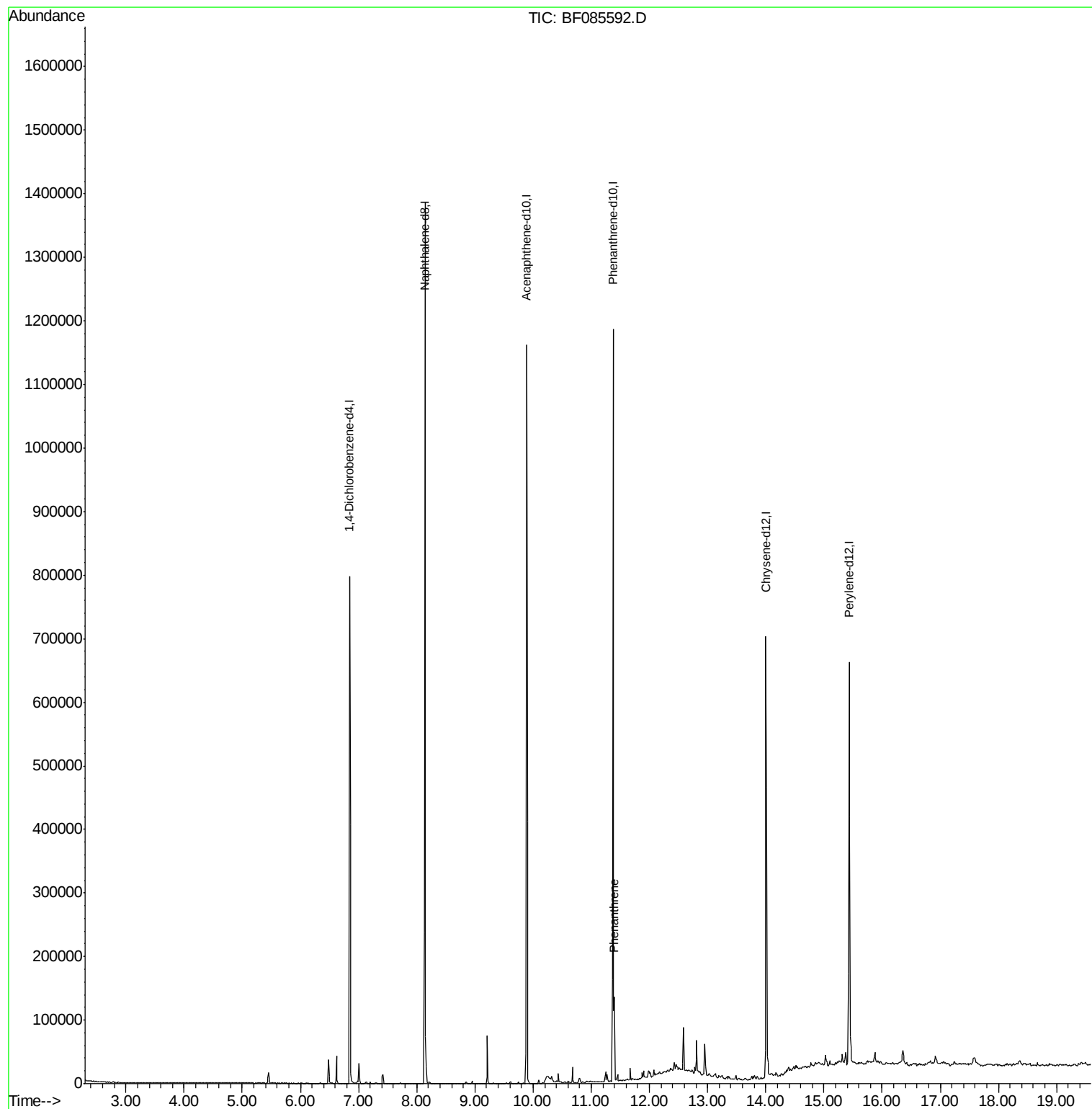
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085592.D
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ALS Vial : 53 Sample Multiplier: 1

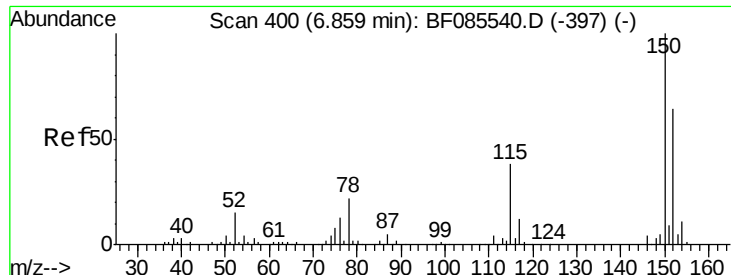
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng m

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085592.D

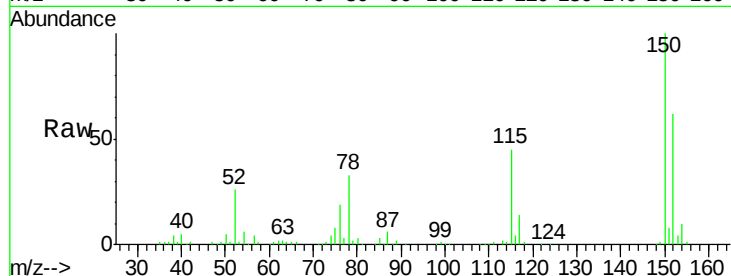
Acq: 20 Mar 2016 00:09

Instrument :

BNA_F

ClientSampleId :

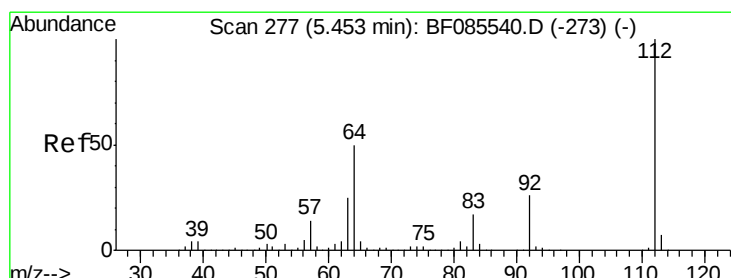
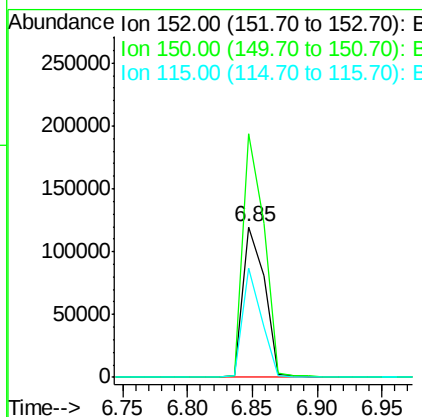
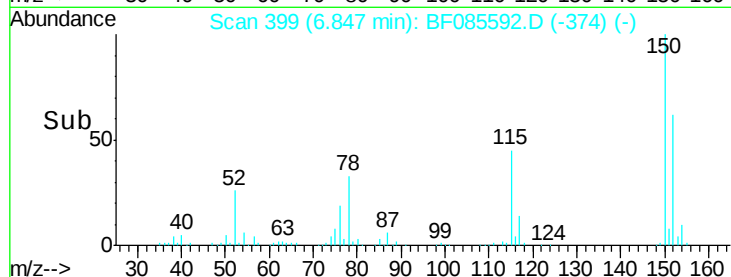
AOU2-SB23(10-13)RE



Tgt Ion:	152	Resp:	141107
Ion Ratio	Lower	Upper	
152	100		
150	162.2	124.2	186.2
115	72.5	47.0	70.6#

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#5

2-Fluorophenol

Concen: 1.00 ng

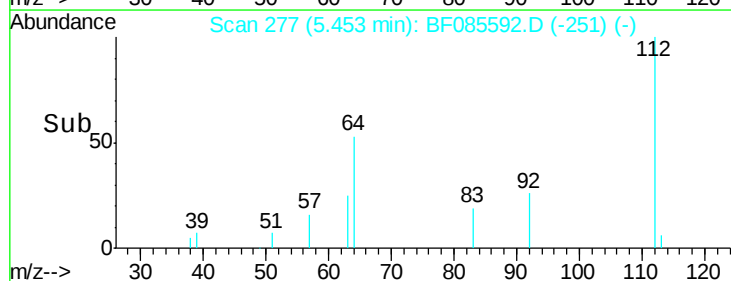
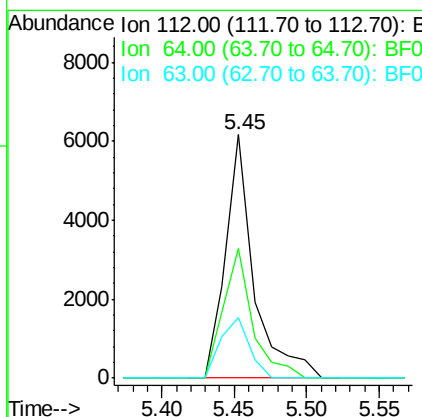
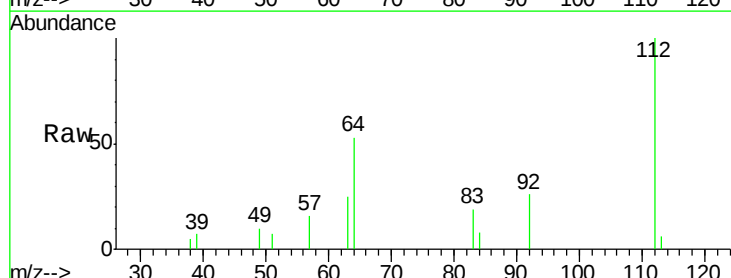
RT: 5.45 min Scan# 277

Delta R.T. 0.00 min

Lab File: BF085592.D

Acq: 20 Mar 2016 00:09

Tgt Ion:	112	Resp:	8408
Ion Ratio	Lower	Upper	
112	100		
64	53.0	39.9	59.9
63	24.8	20.2	30.2





#7

Phenol-d6

Concen: 1.57 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085592.D

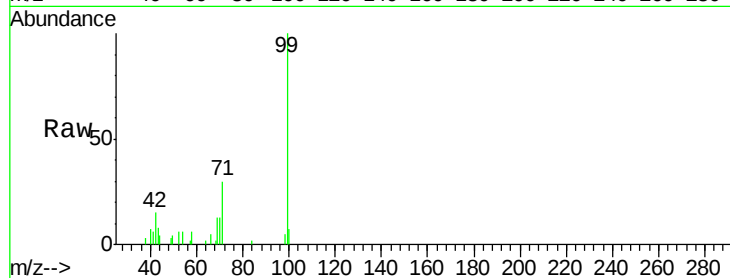
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Instrument :

BNA_F

ClientSampleId :

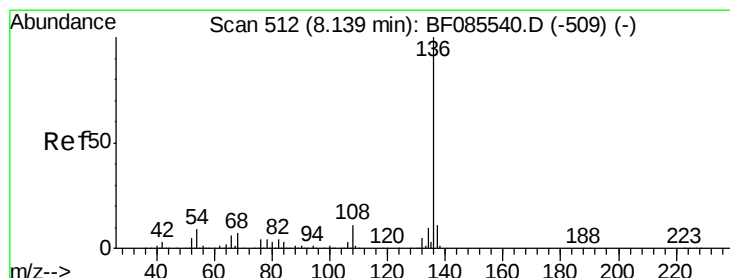
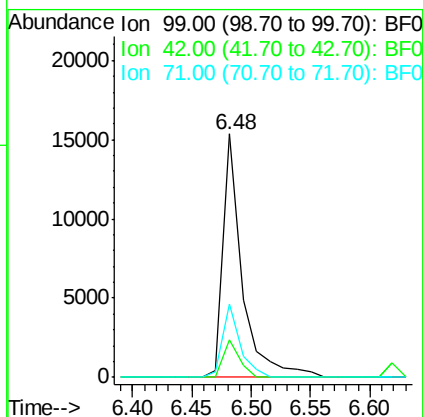
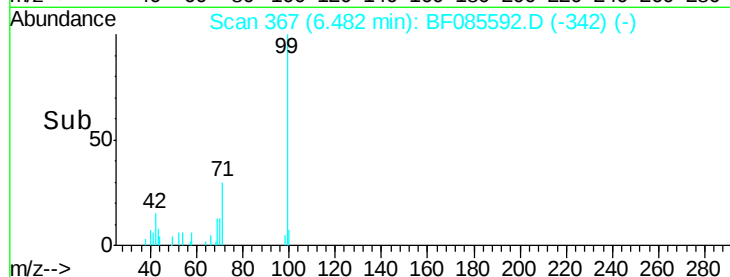
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Tgt Ion:	99	Resp:	16958
Ion Ratio	Lower	Upper	
99	100		
42	15.2	11.1	16.7
71	29.9	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

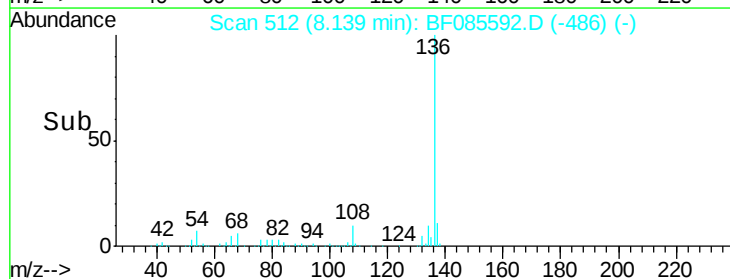
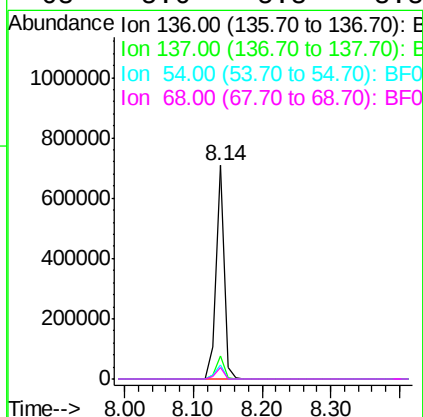
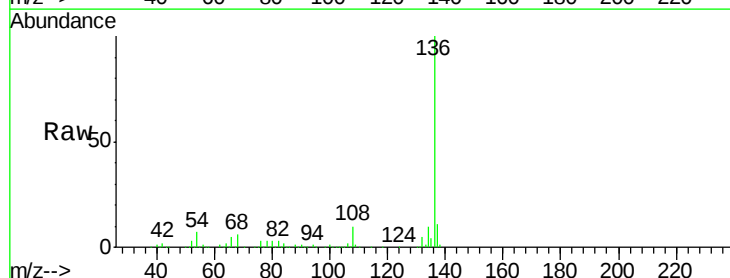
RT: 8.14 min Scan# 512

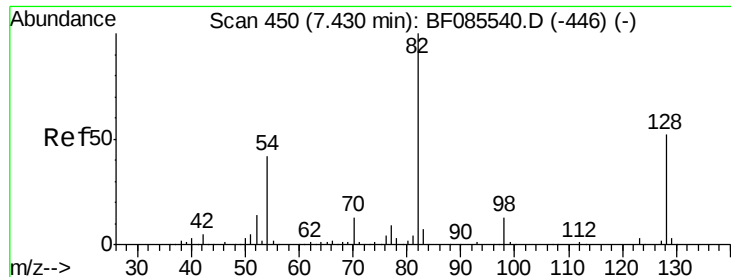
Delta R.T. 0.00 min

Lab File: BF085592.D

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Tgt Ion:	136	Resp:	595261
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	6.6	7.4	11.0#
68	5.6	5.8	8.8#





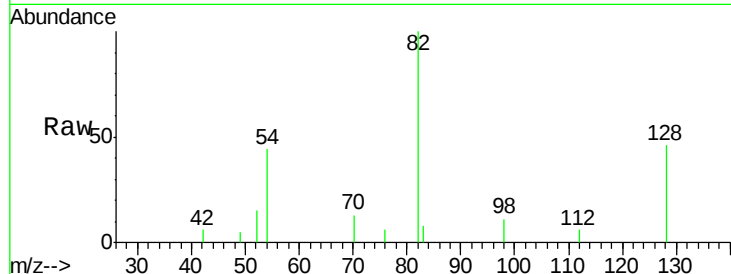
#23
 Nitrobenzene-d5
 Concen: 0.81 ng
 RT: 7.42 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF085592.D
 Acq: 20 Mar 2016 00:09

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB23(10-13)RE

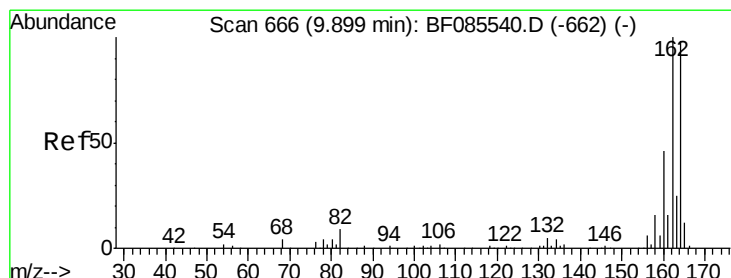
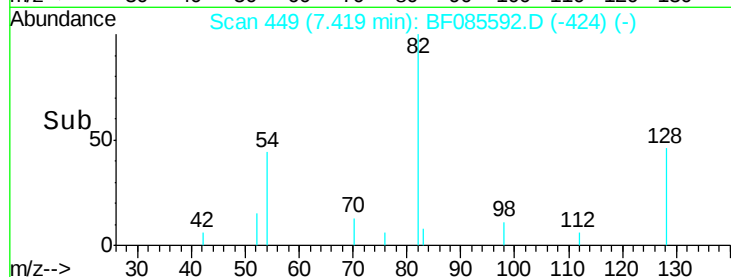
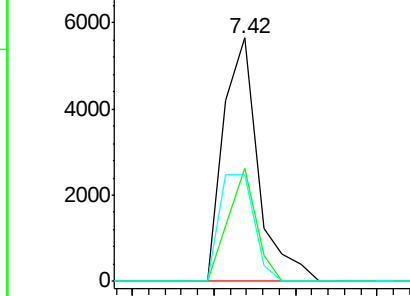
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.2	41.8	62.8
54	43.9	33.4	50.0

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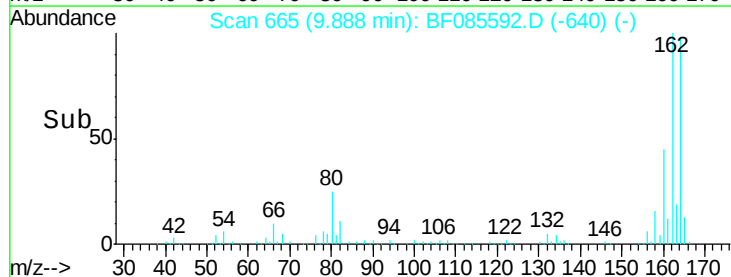
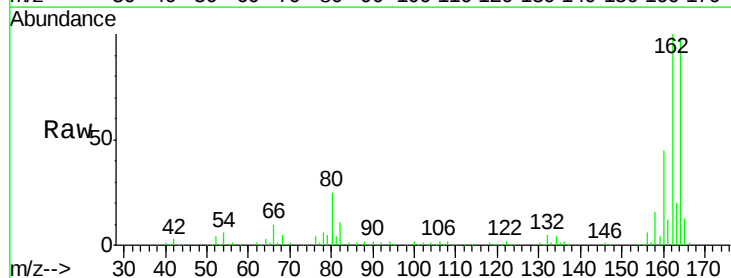
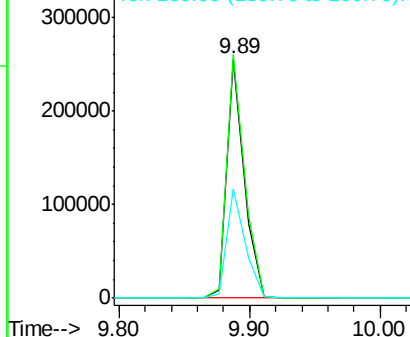
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 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

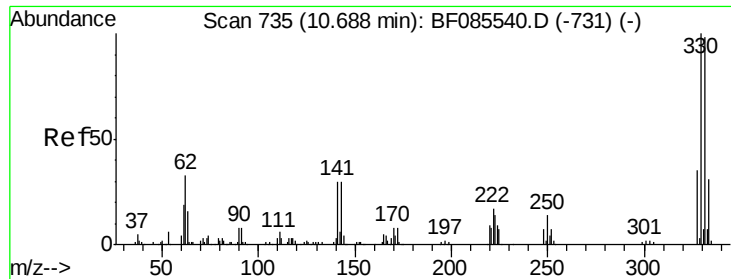


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: BF085592.D
 Acq: 20 Mar 2016 00:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.1	123.1
160	45.9	37.4	56.2

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





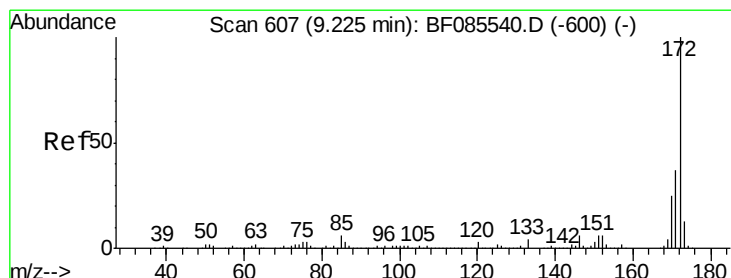
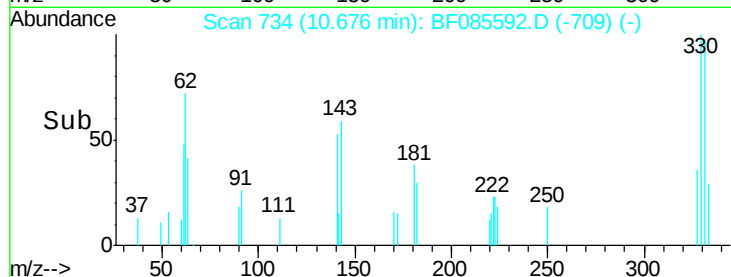
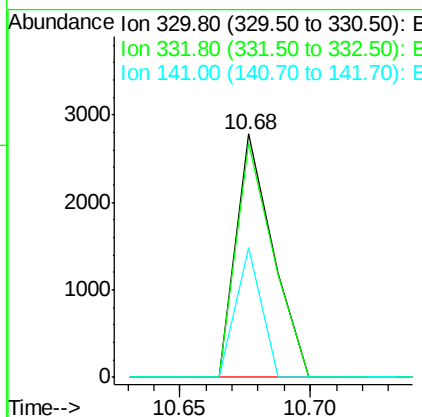
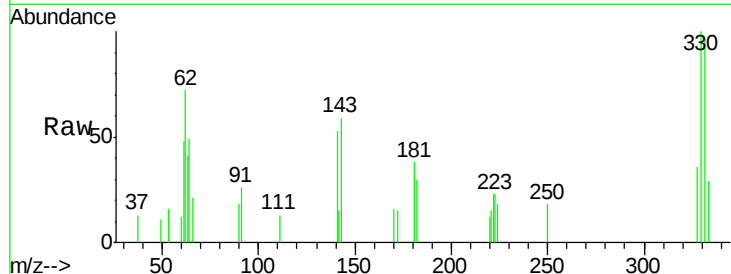
#41
 2,4,6-Tribromophenol
 Concen: 1.17 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: BF085592.D
 Acq: 20 Mar 2016 00:09

Instrument :
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 AOU2-SB23(10-13)RE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	2729		
332	97.2		78.2	117.2
141	37.2		31.5	47.3

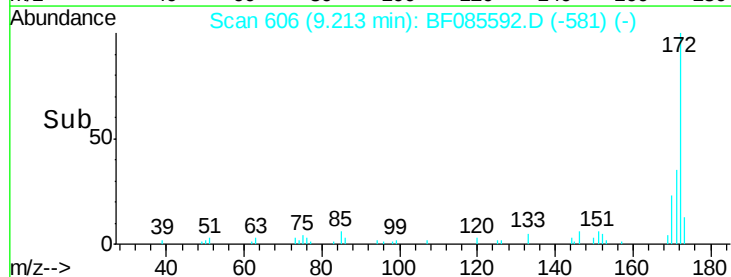
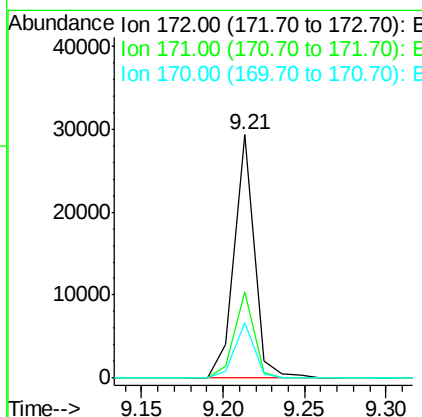
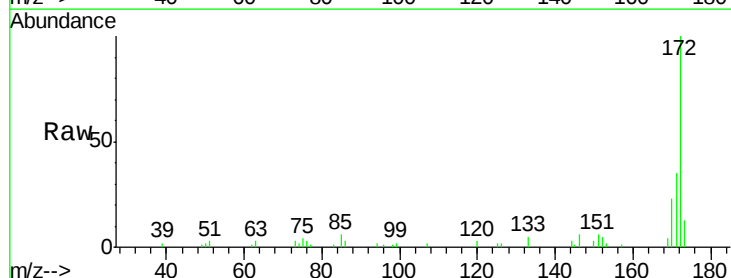
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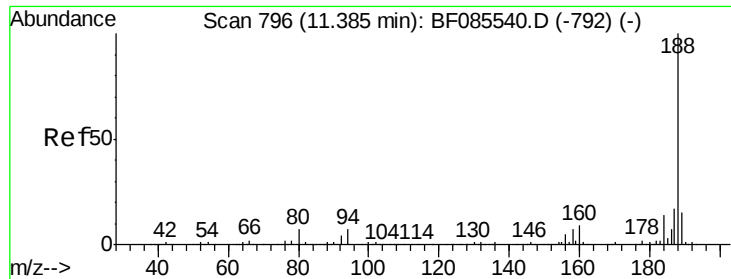
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#44
 2-Fluorobiphenyl
 Concen: 0.03 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085592.D
 Acq: 20 Mar 2016 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	24830		
171	35.3		29.4	44.2
170	22.9		19.8	29.6





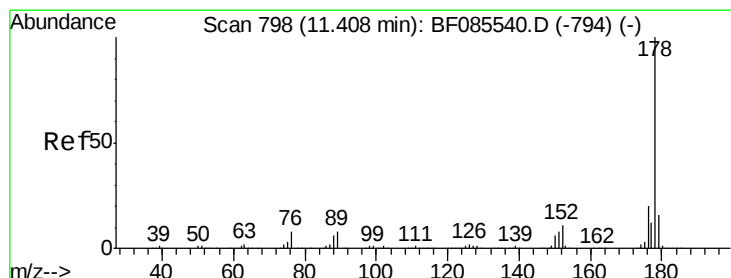
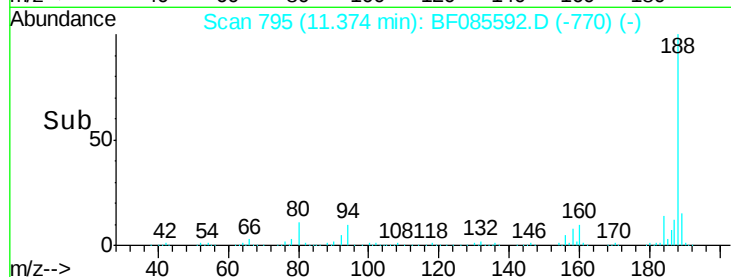
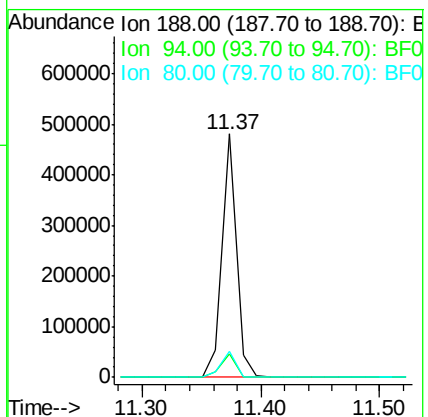
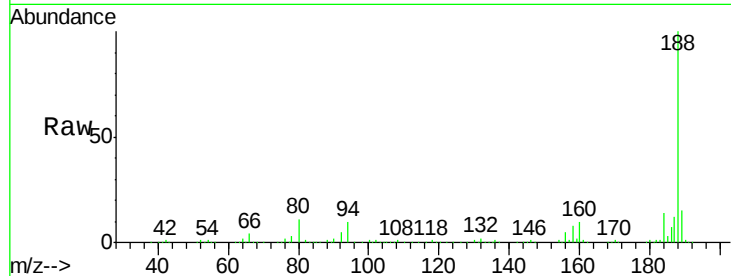
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF085592.D
Acq: 20 Mar 2016 00:09

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BNA_F
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	5.4	8.0#
80	10.6	5.5	8.3#

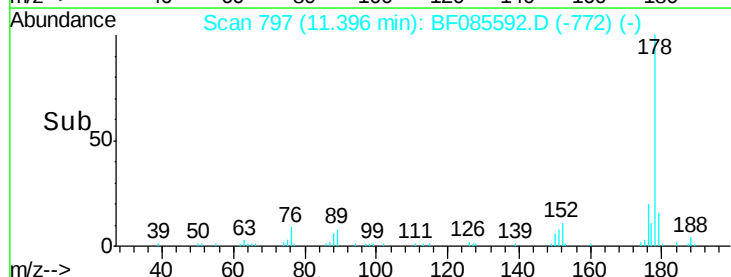
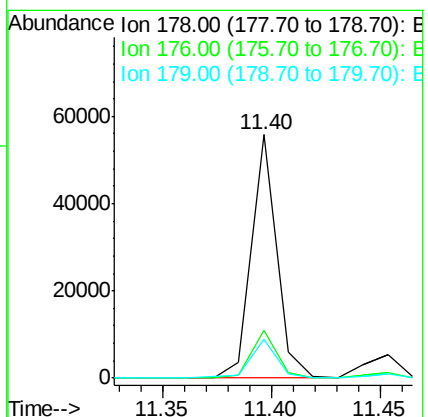
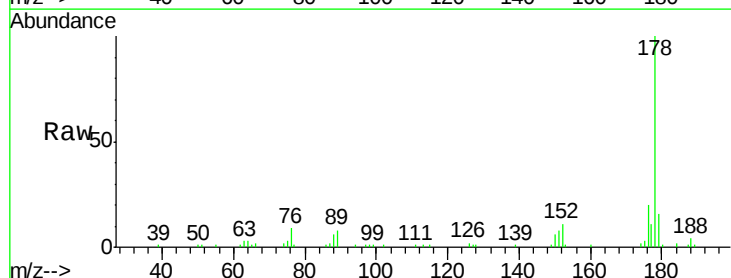
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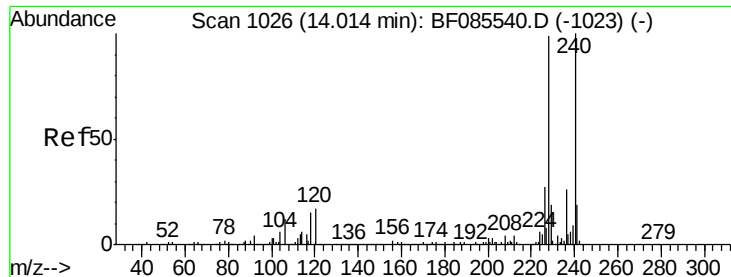
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#70
Phenanthrene
Concen: 2.14 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF085592.D
Acq: 20 Mar 2016 00:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	16.3	24.5
179	15.9	12.6	18.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085592.D

Acq: 20 Mar 2016 00:09

Instrument :

BNA_F

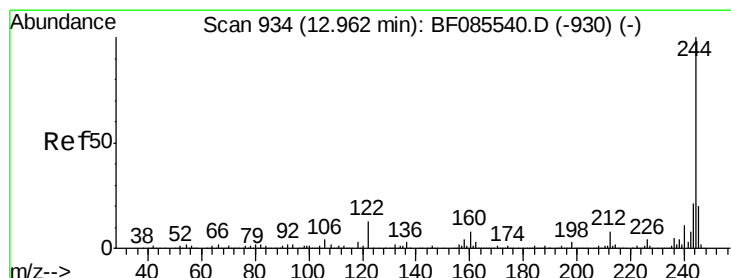
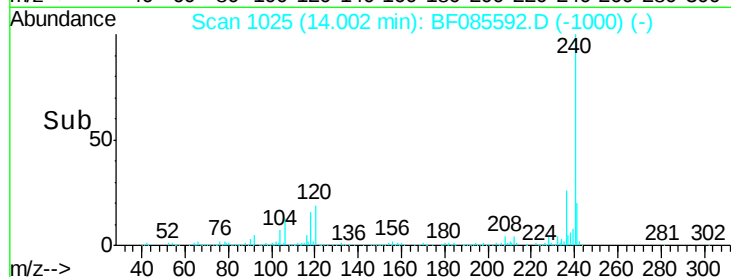
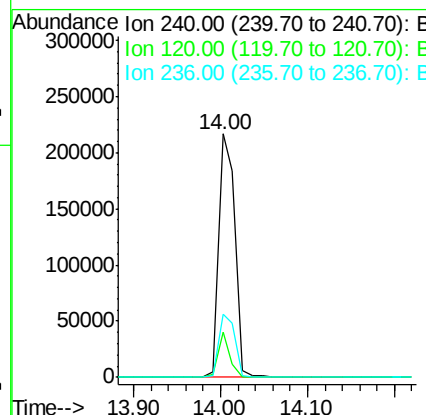
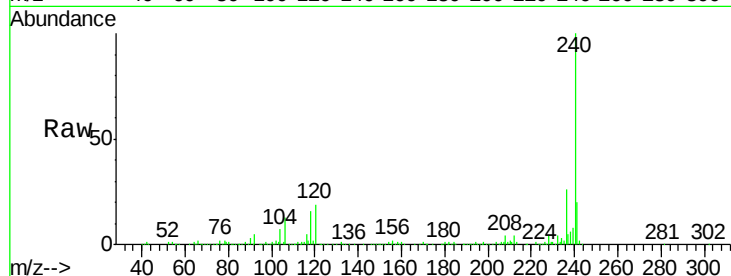
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Tgt Ion:	240	Resp:	287015
Ion Ratio	Lower	Upper	
240	100		
120	18.5	13.8	20.8
236	26.0	20.6	30.8

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#78

Terphenyl-d14

Concen: 1.29 ng

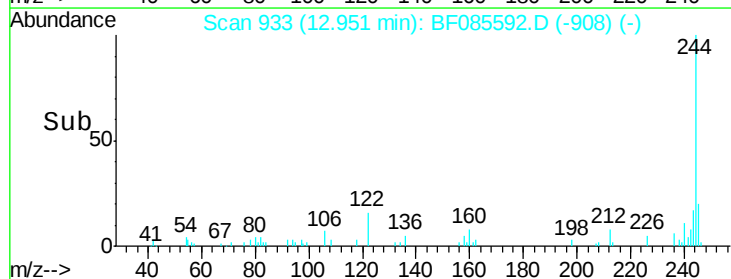
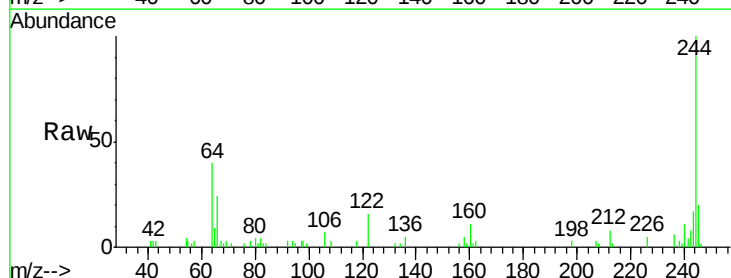
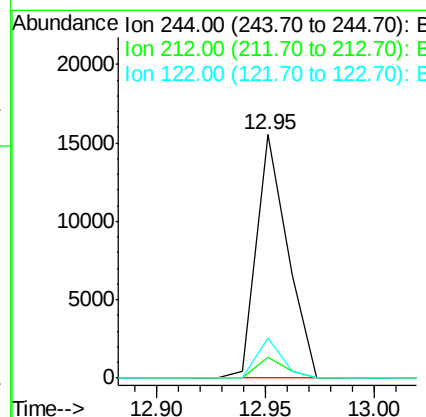
RT: 12.95 min Scan# 933

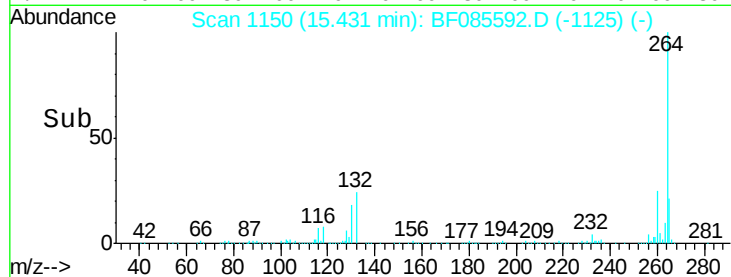
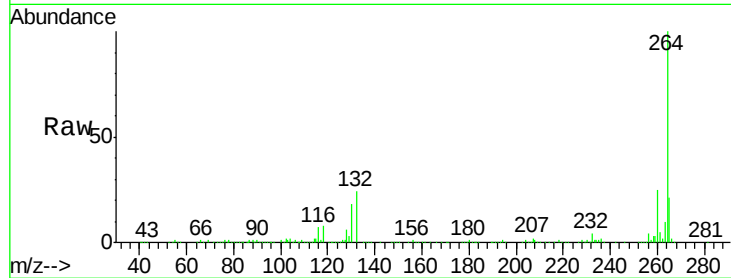
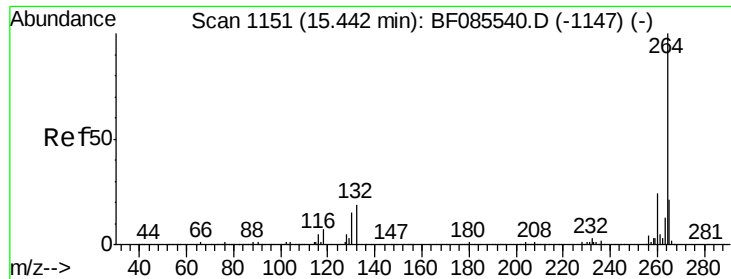
Delta R.T. -0.01 min

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Tgt Ion:	244	Resp:	15444
Ion Ratio	Lower	Upper	
244	100		
212	8.4	6.1	9.1
122	16.2	10.2	15.4#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF085592.D
Acq: 20 Mar 2016 00:09

Tgt Ion:	264	Resp:	299048
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.4	29.2
265	21.3	17.2	25.8

Instrument :
BNA_F
ClientSampleId :
AOU2-SB23(10-13)RE

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