

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089500.D
 Acq On : 1 Aug 2016 7:29
 Operator : UM/SJ
 Sample : H4205-17DL 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-0.5-1.5

Manual Integrations
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Quant Time: Aug 01 08:01:46 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	45727	20.00	ng	-0.06
21) Naphthalene-d8	7.78	136	178183	20.00	ng	-0.05
38) Acenaphthene-d10	9.52	164	65134	20.00	ng	-0.06
63) Phenanthrene-d10	10.99	188	108092	20.00	ng	-0.06
75) Chrysene-d12	13.62	240	87214	20.00	ng	-0.05
86) Perylene-d12	14.95	264	72499	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	75414	26.33	ng	-0.05
7) Phenol-d6	6.16	99	98393	26.00	ng	-0.05
23) Nitrobenzene-d5	7.06	82	60325	19.98	ng	-0.06
41) 2,4,6-Tribromophenol	10.31	330	12773	23.68	ng	-0.06
44) 2-Fluorobiphenyl	8.86	172	103616	23.35	ng	-0.06
78) Terphenyl-d14	12.58	244	64527	17.32	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.26	163	22162	4.47	ng	# 98
51) Acenaphthene	9.55	154	11427	2.98	ng	97
57) Fluorene	10.07	166	15078	3.31	ng	# 97
70) Phenanthrene	11.02	178	152041	27.27	ng	99
71) Anthracene	11.07	178	58857	9.50	ng	99
74) Fluoranthene	12.21	202	168363	28.71	ng	98
77) Pyrene	12.42	202	136549	20.66	ng	98
80) Benzo(a)anthracene	13.61	228	54617m	11.10	ng	
82) Chrysene	13.65	228	46514m	8.88	ng	
85) Indeno(1,2,3-cd)pyrene	16.13	276	19037	5.11	ng	# 87
87) Benzo(b)fluoranthene	14.61	252	43894m	9.75	ng	
88) Benzo(k)fluoranthene	14.62	252	19746m	4.77	ng	
89) Benzo(a)pyrene	14.90	252	33624	8.33	ng	96
91) Benzo(a,h,i)perylene	16.48	276	16732	5.35	ng	96

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

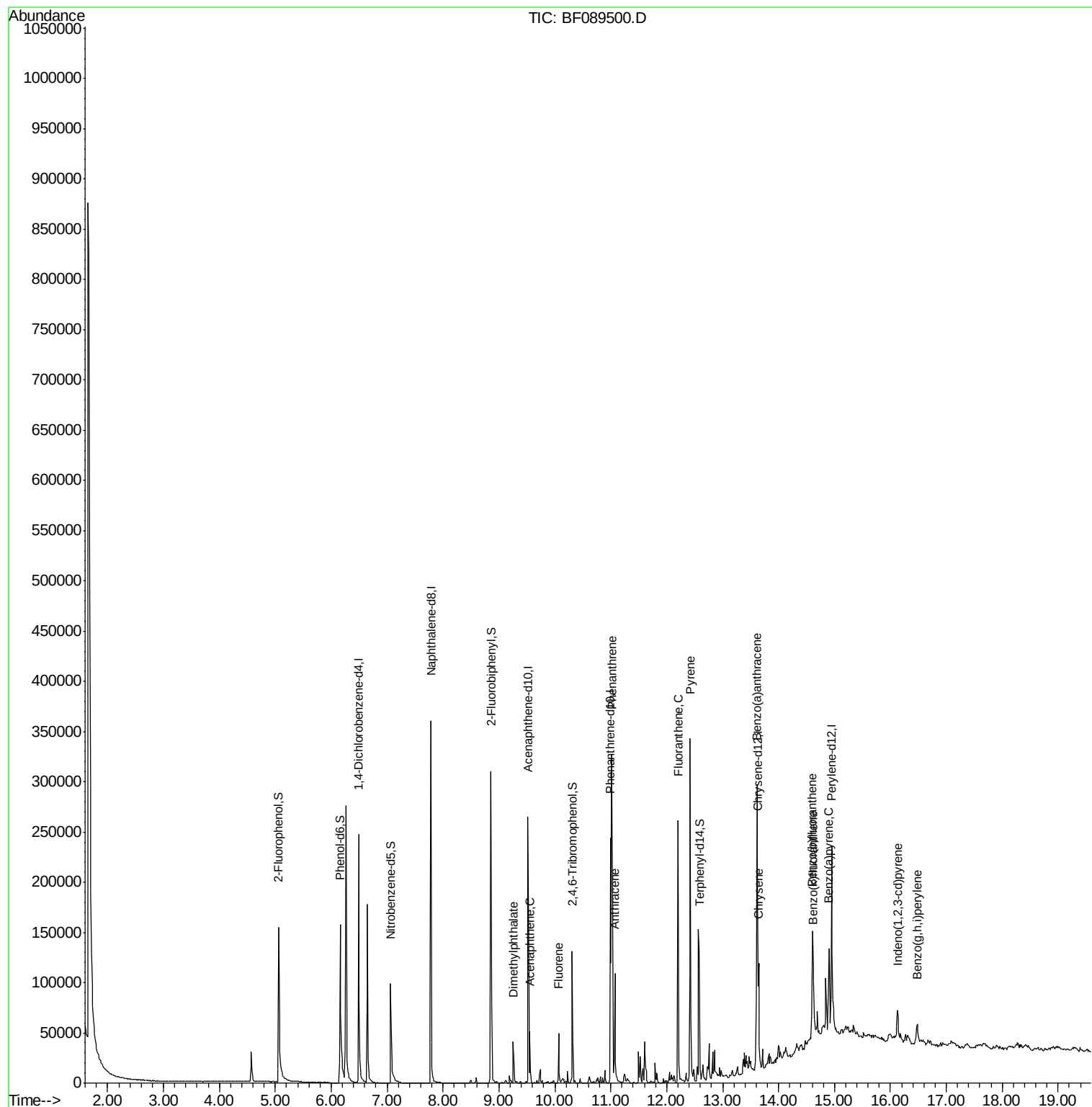
Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089500.D
Acq On : 1 Aug 2016 7:29
Operator : UM/SJ
Sample : H4205-17DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

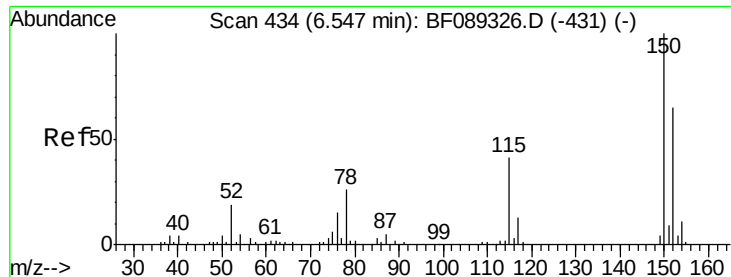
Instrument :
BNA_F
ClientSampleId :
SB-40-0.5-1.5

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
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#1

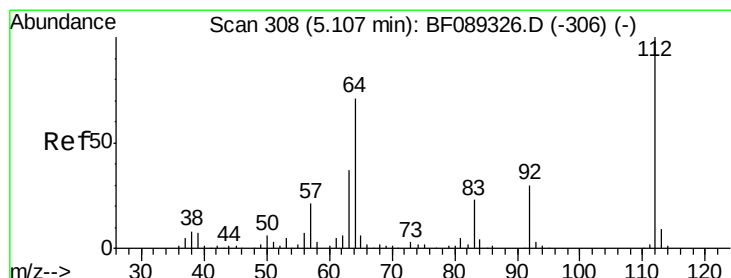
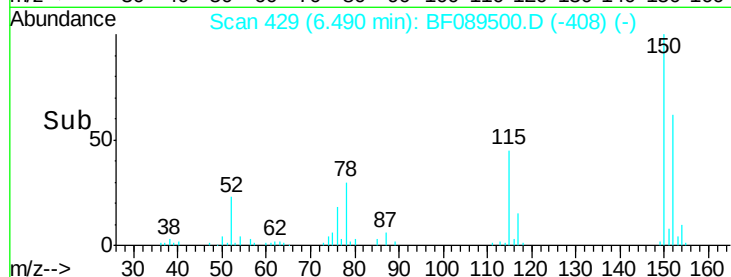
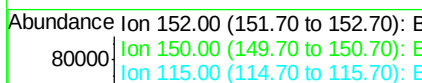
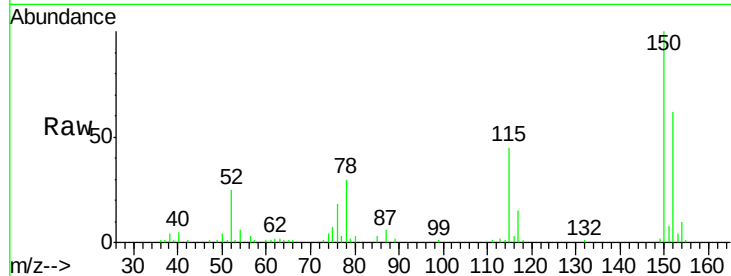
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 429
Delta R.T. -0.06 min
Lab File: BF089500.D
Acq: 1 Aug 2016 7:29

Instrument :
BNA_F
ClientSampleId :
SB-40-0.5-1.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	129.5	194.3
115	72.3	51.4	77.2

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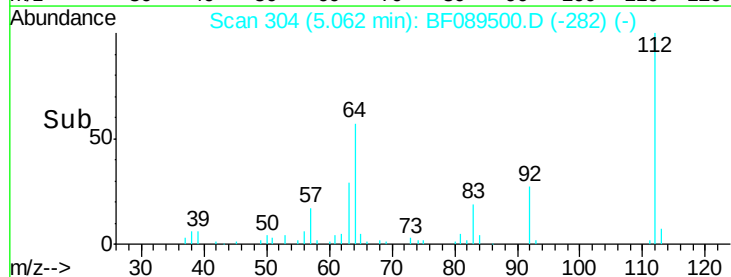
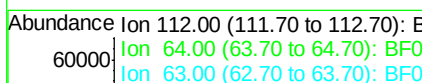
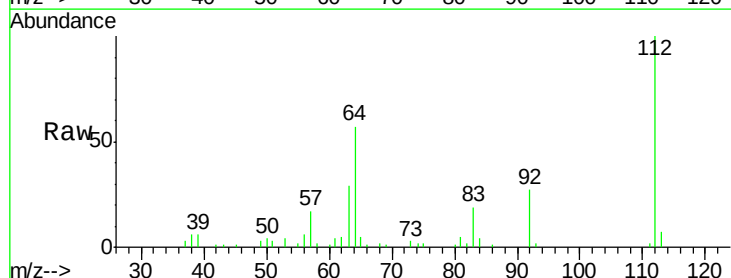
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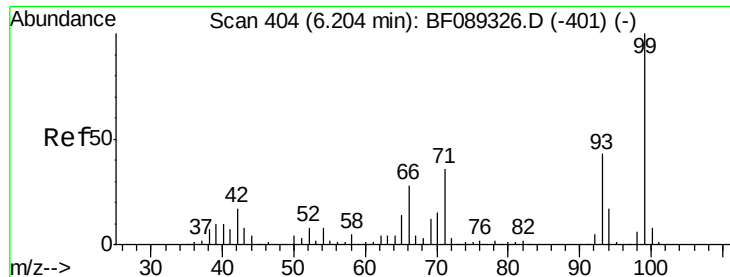


#5

2-Fluorophenol
Concen: 26.33 ng
RT: 5.06 min Scan# 304
Delta R.T. -0.05 min
Lab File: BF089500.D
Acq: 1 Aug 2016 7:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	55.0	82.6
63	29.2	29.4	44.2#





#7

Phenol-d6

Concen: 26.00 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.05 min

Lab File: BF089500.D

Acq: 1 Aug 2016 7:29

Instrument :

BNA_F

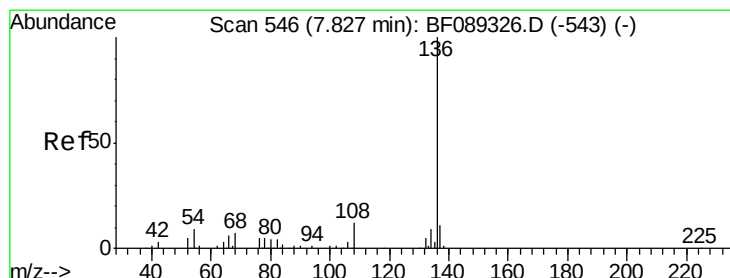
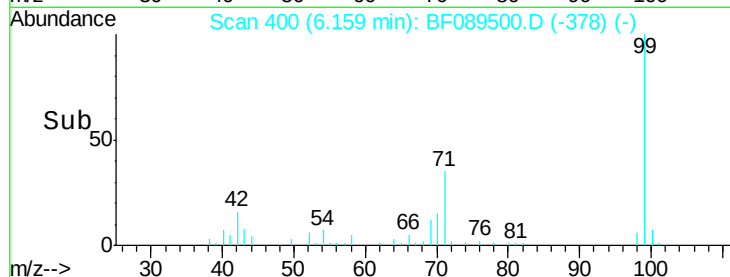
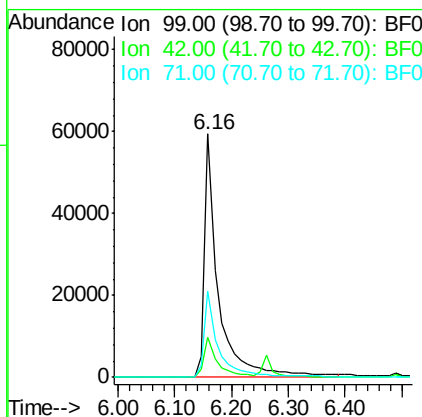
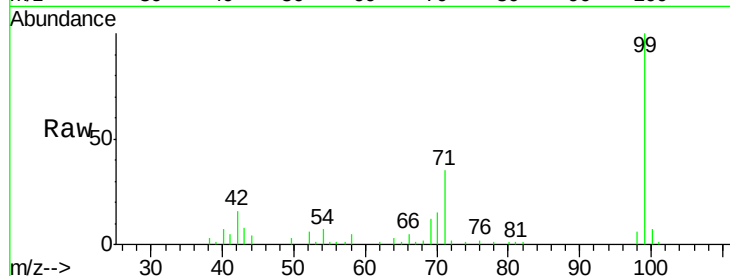
ClientSampleId :

SB-40-0.5-1.5

Tot Ion:	99	Resp:	98393
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.6	20.4
71	35.5	29.4	44.2

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#21

Naphthalene-d8

Concen: 20.00 ng

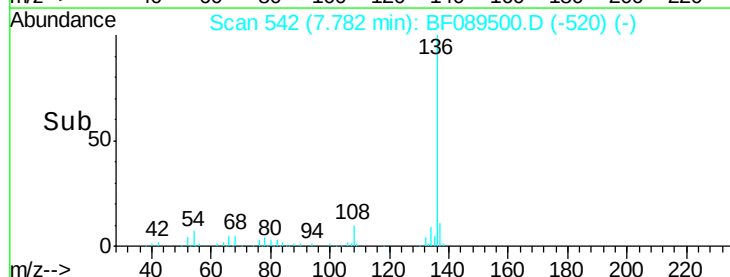
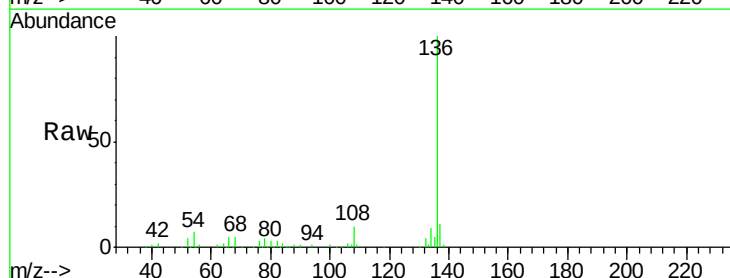
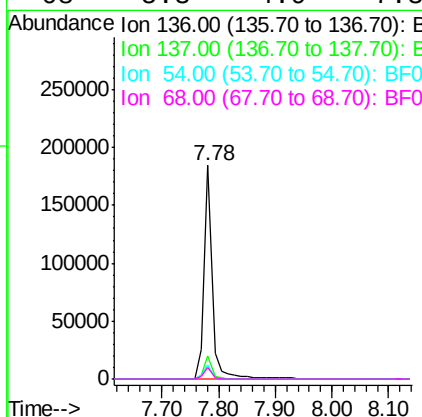
RT: 7.78 min Scan# 542

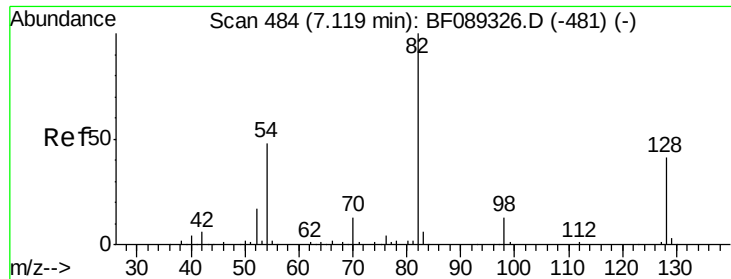
Delta R.T. -0.05 min

Lab File: BF089500.D

Acq: 1 Aug 2016 7:29

Tgt Ion:	136	Resp:	178183
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	13.0
54	6.5	7.0	10.4
68	5.3	4.9	7.3





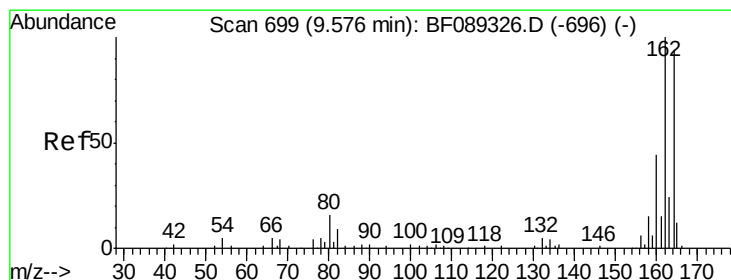
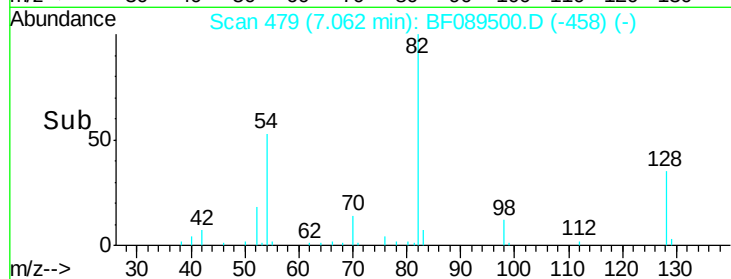
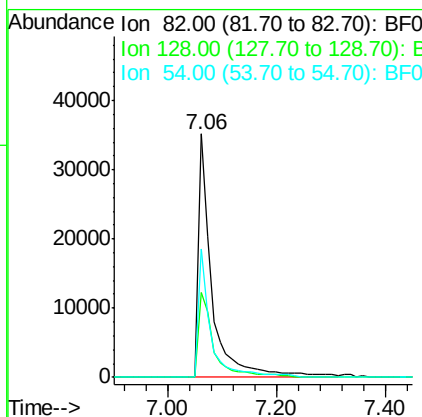
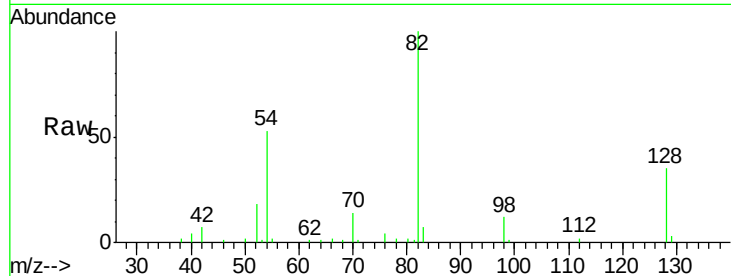
#23
 Nitrobenzene-d5
 Concen: 19.98 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.06 min
 Lab File: BF089500.D
 Acq: 1 Aug 2016 7:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-0.5-1.5

Tot Ion	Ratio	Resp	Lower	Upper
82	100	60325		
128	35.1		32.5	48.7
54	52.9		38.8	58.2

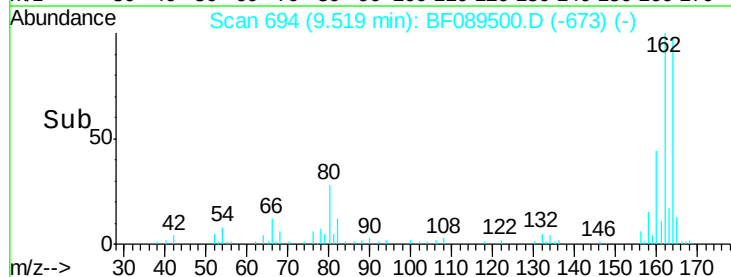
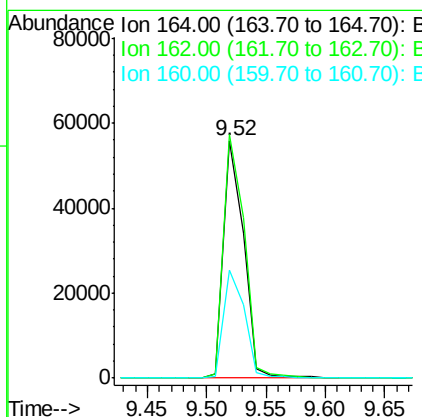
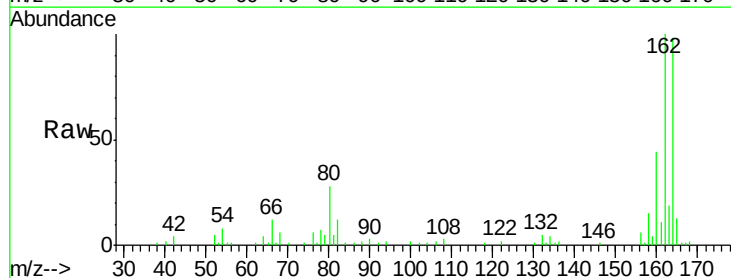
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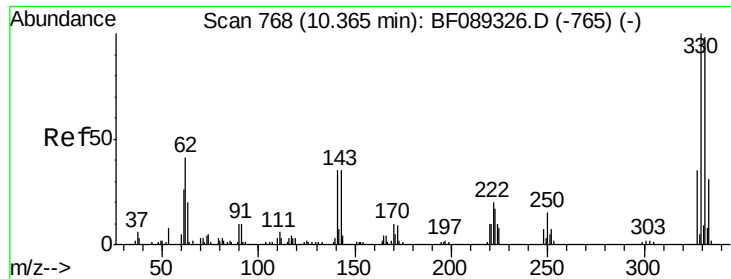
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.06 min
 Lab File: BF089500.D
 Acq: 1 Aug 2016 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65134		
162	102.5		83.7	125.5
160	45.5		37.8	56.6





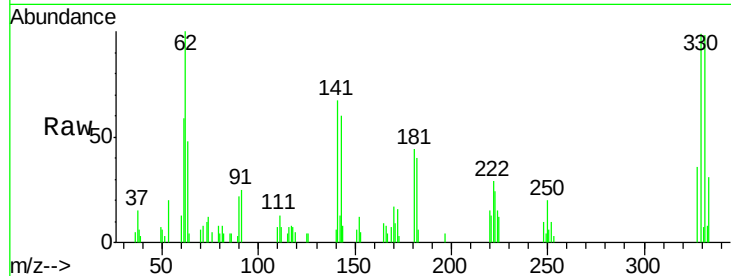
#41
 2,4,6-Tribromophenol
 Concen: 23.68 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.06 min
 Lab File: BF089500.D
 Acq: 1 Aug 2016 7:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-0.5-1.5

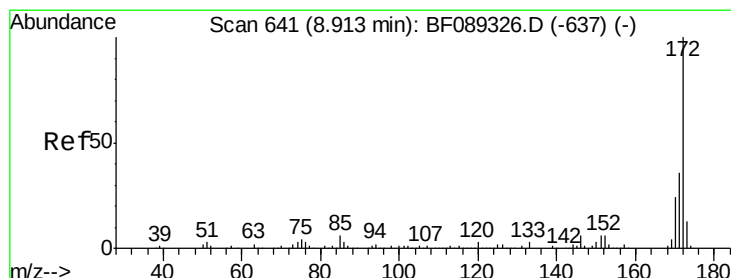
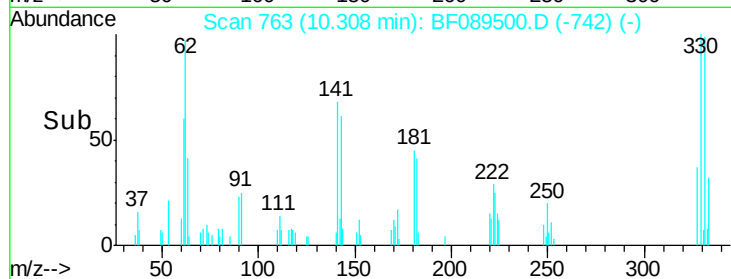
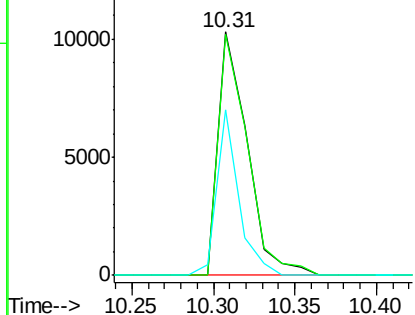
Tot Ion	Ratio	Resp	Lower	Upper
330	100	12773		
332	99.4	76.8	115.2	
141	51.5	37.3	55.9	

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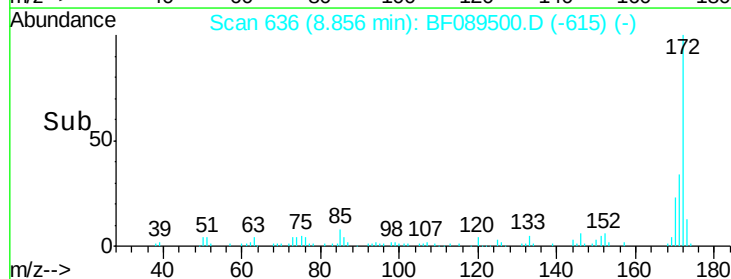
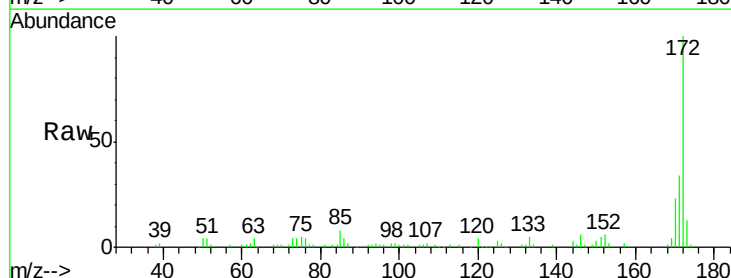
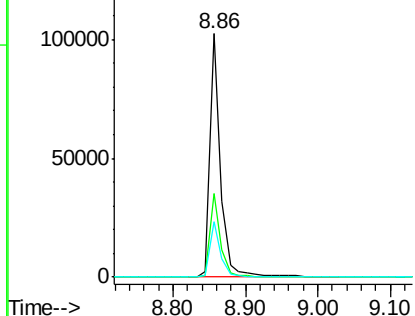
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

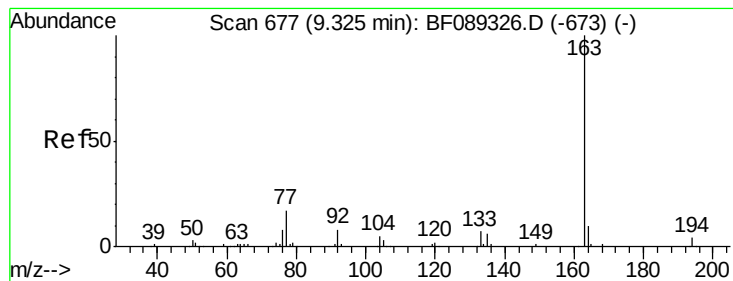


#44
 2-Fluorobiphenyl
 Concen: 23.35 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.06 min
 Lab File: BF089500.D
 Acq: 1 Aug 2016 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	103616		
171	34.4	29.2	43.8	
170	22.6	19.2	28.8	

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





#49

Dimethylphthalate

Concen: 4.47 ng

RT: 9.26 min Scan# 671

Delta R.T. -0.07 min

Lab File: BF089500.D

Acq: 1 Aug 2016 7:29

Instrument :

BNA_F

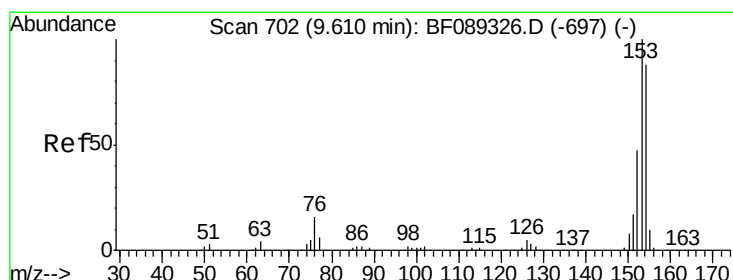
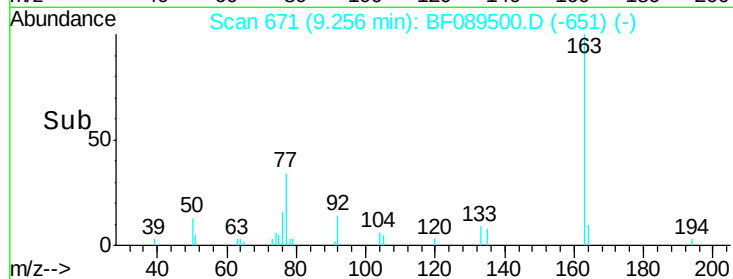
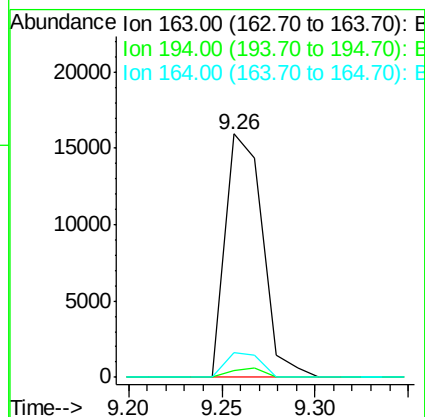
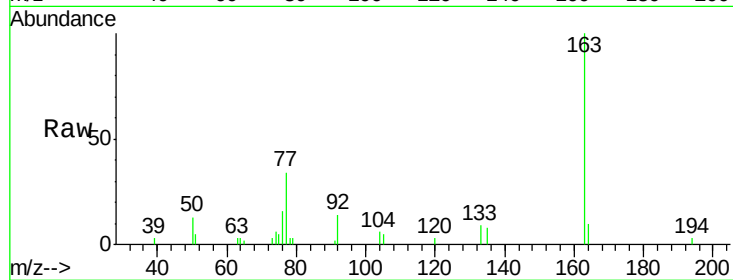
ClientSampleId :

SB-40-0.5-1.5

Tot Ion:	163	Resp:	22162
Ion Ratio	Lower	Upper	
163	100		
194	2.7	2.8	4.2#
164	10.3	7.8	11.8

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#51

Acenaphthene

Concen: 2.98 ng

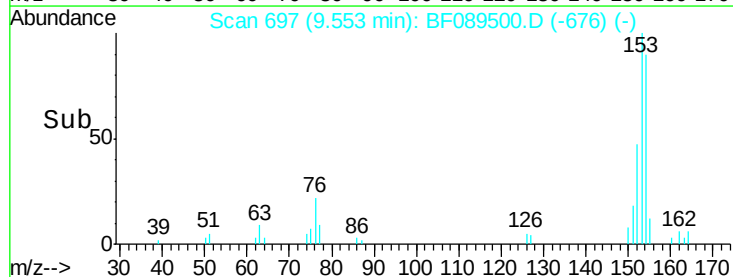
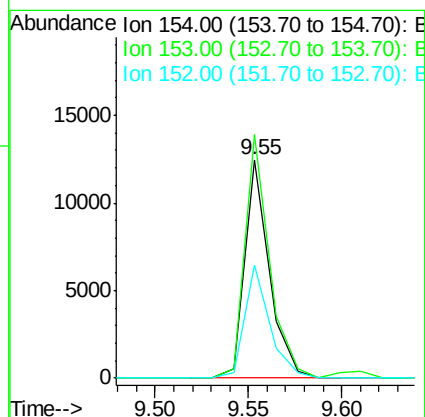
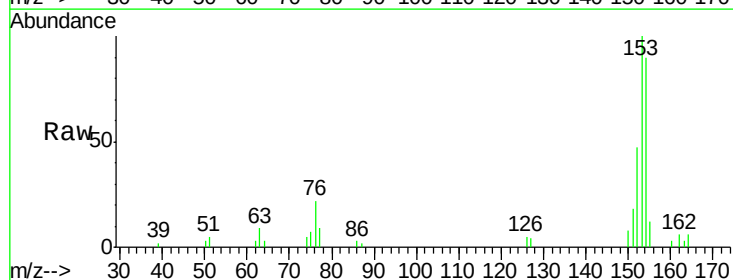
RT: 9.55 min Scan# 697

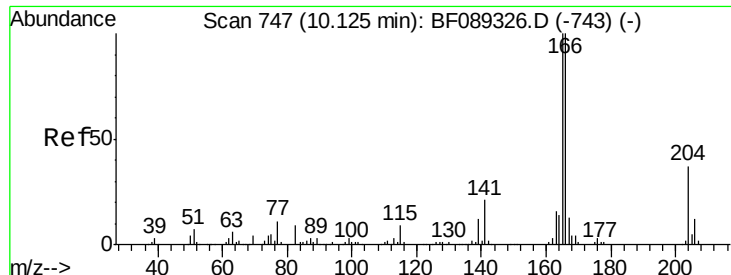
Delta R.T. -0.06 min

Lab File: BF089500.D

Acq: 1 Aug 2016 7:29

Tgt Ion:	154	Resp:	11427
Ion Ratio	Lower	Upper	
154	100		
153	111.3	91.4	137.2
152	51.9	43.8	65.6





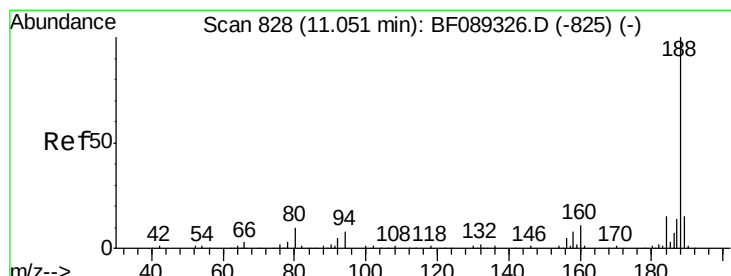
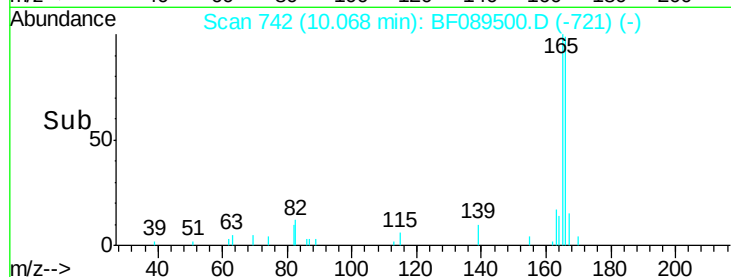
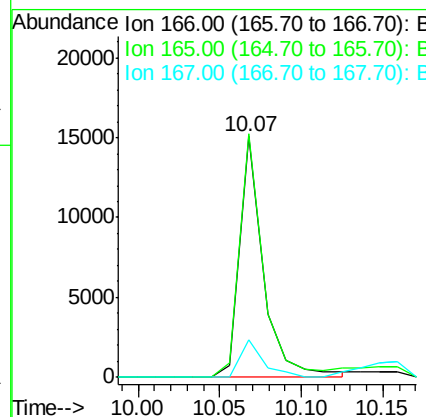
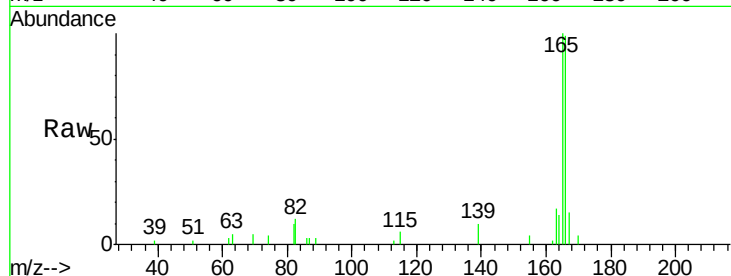
#57
Fluorene
 Concen: 3.31 ng
 RT: 10.07 min Scan# 742
 Delta R.T. -0.06 min
 Lab File: BF089500.D
 Acq: 1 Aug 2016 7:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-0.5-1.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.1	79.0	118.4		
167	15.4	10.2	15.2#		

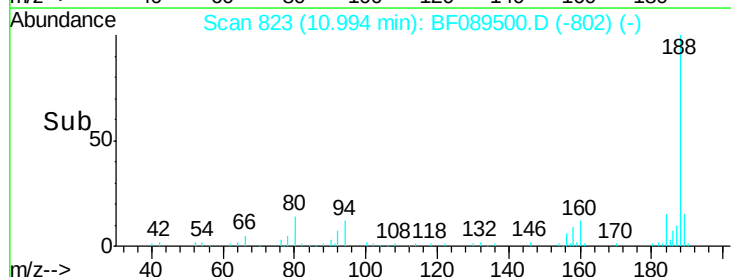
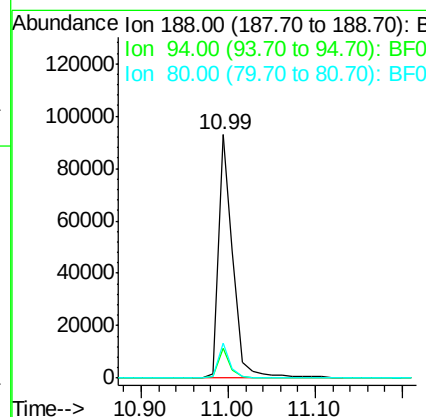
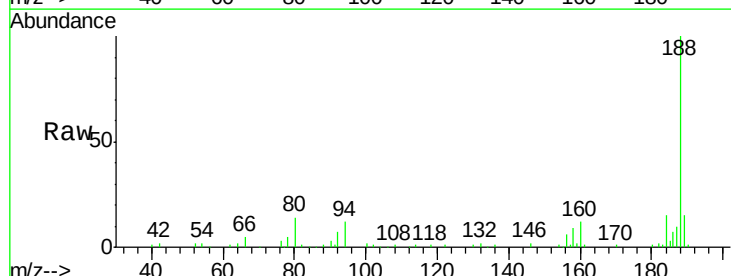
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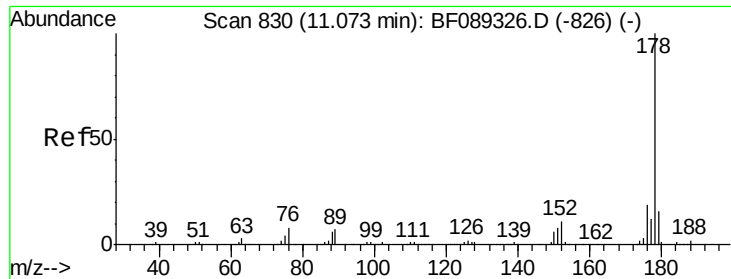
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 823
 Delta R.T. -0.06 min
 Lab File: BF089500.D
 Acq: 1 Aug 2016 7:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	12.4	6.5	9.7#		
80	14.3	7.2	10.8#		





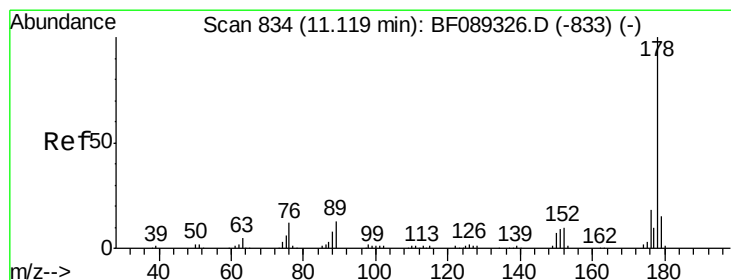
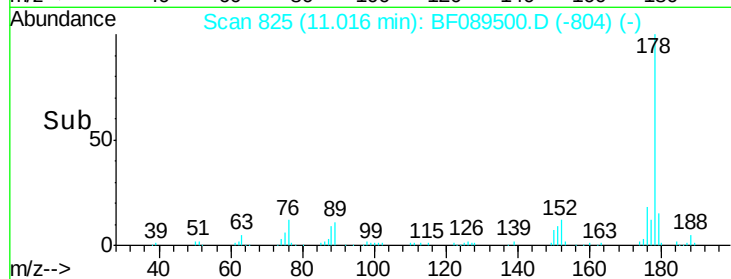
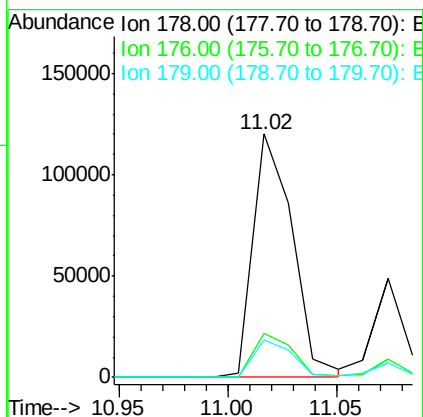
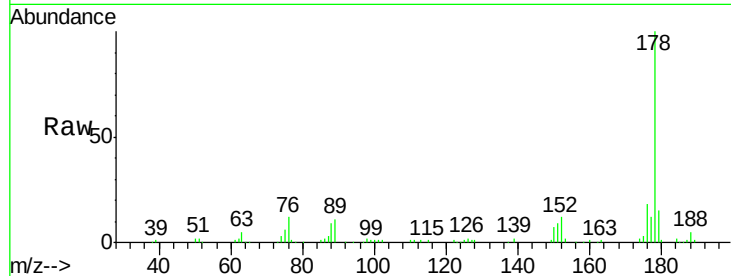
#70
Phenanthrene
Concen: 27.27 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.06 min
Lab File: BF089500.D
Acq: 1 Aug 2016 7:29

Instrument :
BNA_F
ClientSampleId :
SB-40-0.5-1.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.5	23.3
179	15.4	12.3	18.5

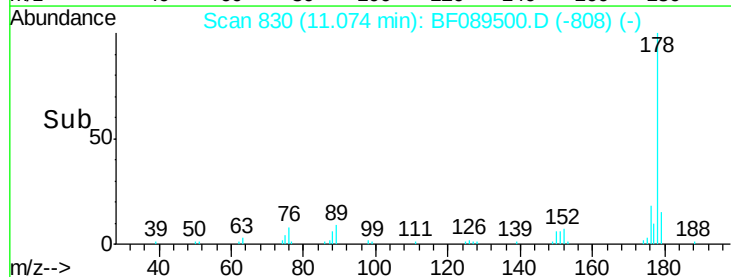
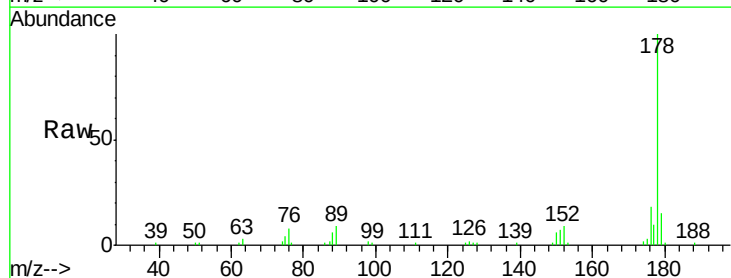
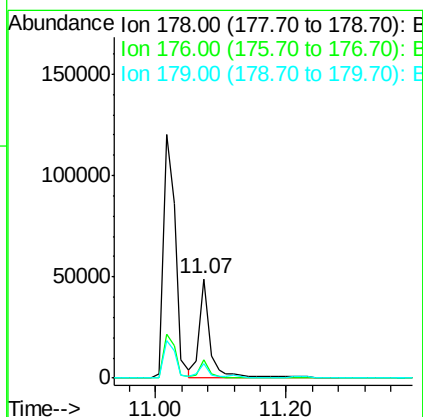
Manual Integrations
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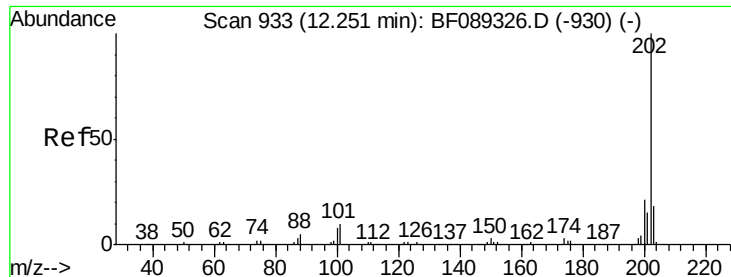
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#71
Anthracene
Concen: 9.50 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF089500.D
Acq: 1 Aug 2016 7:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.8	22.2
179	15.0	12.6	18.8





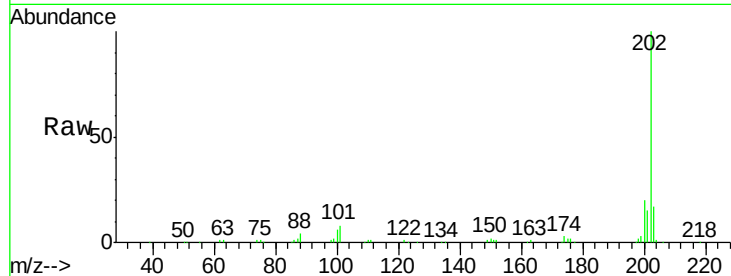
#74
Fluoranthene
Concen: 28.71 ng
RT: 12.21 min Scan# 929
Delta R.T. -0.05 min
Lab File: BF089500.D
Acq: 1 Aug 2016 7:29

Instrument :
BNA_F
ClientSampleId :
SB-40-0.5-1.5

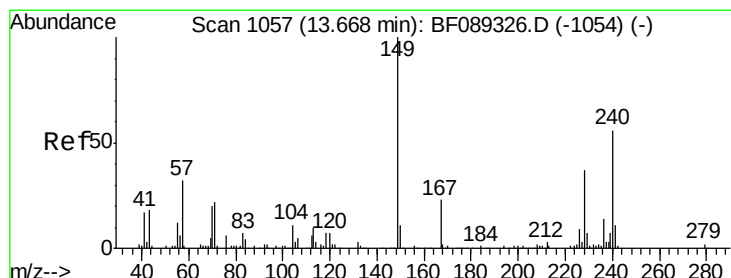
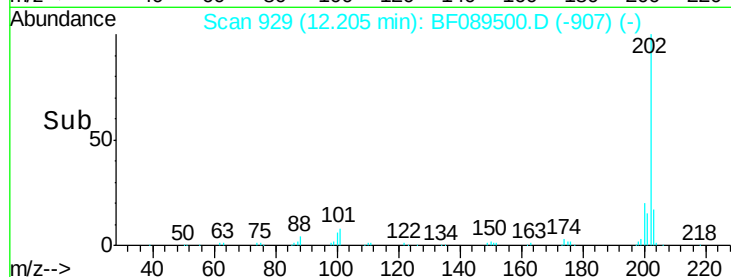
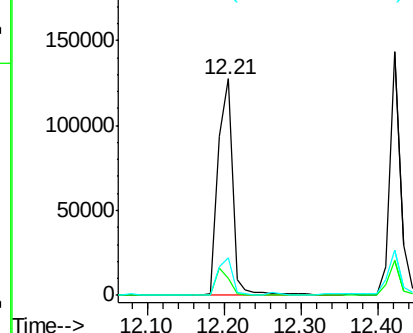
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.6	0.0	29.9
203	17.3	0.0	37.3

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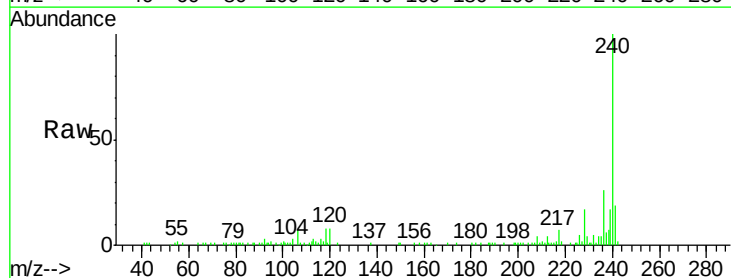


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

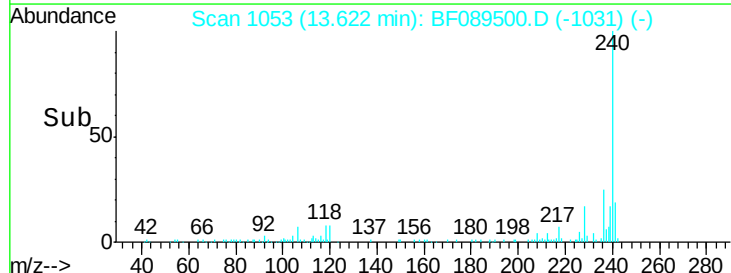
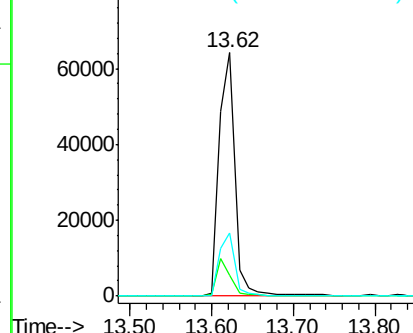


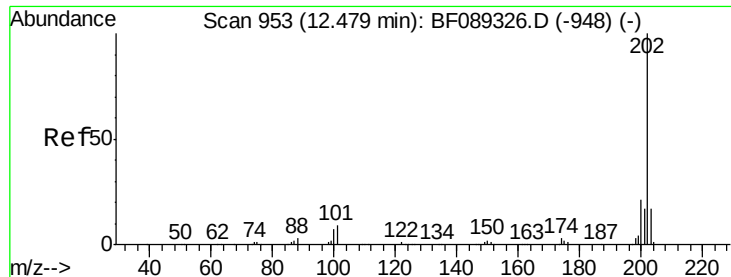
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.62 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF089500.D
Acq: 1 Aug 2016 7:29

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.3	9.1	13.7#
236	25.7	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

Pvrene

Concen: 20.66 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF089500.D

Acq: 1 Aug 2016 7:29

Instrument :

BNA_F

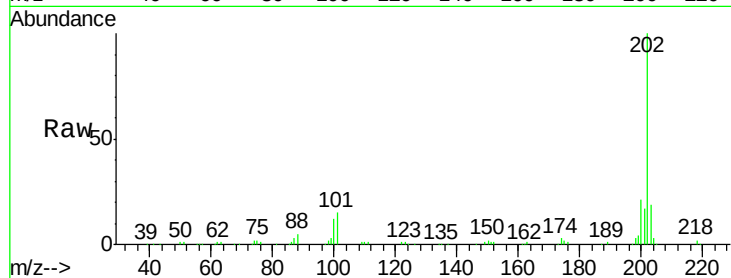
ClientSampleId :

SB-40-0.5-1.5

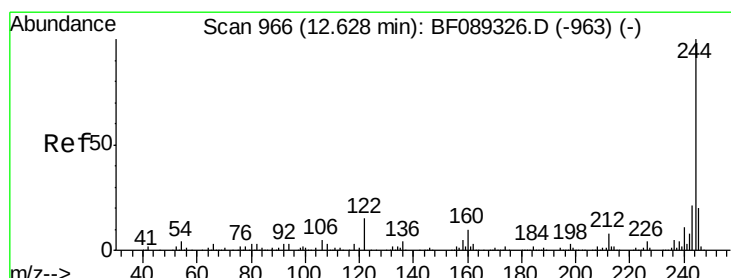
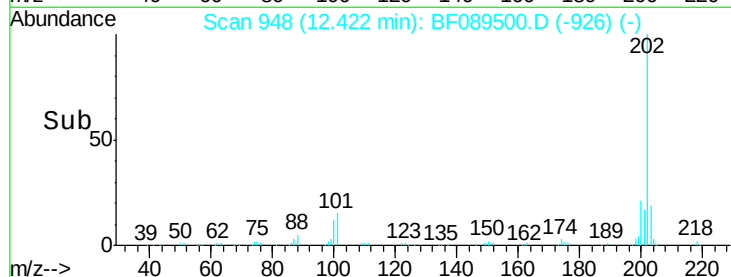
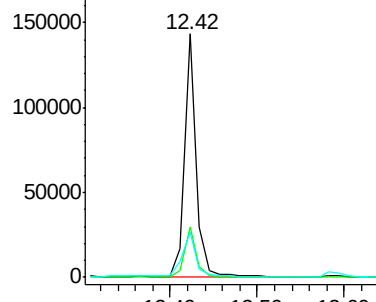
Tot Ion:	202	Resp:	136549
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.9	25.3
203	18.6	14.0	21.0

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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: 17.32 ng

RT: 12.58 min Scan# 962

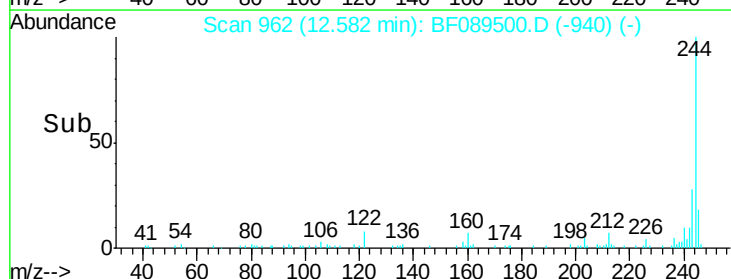
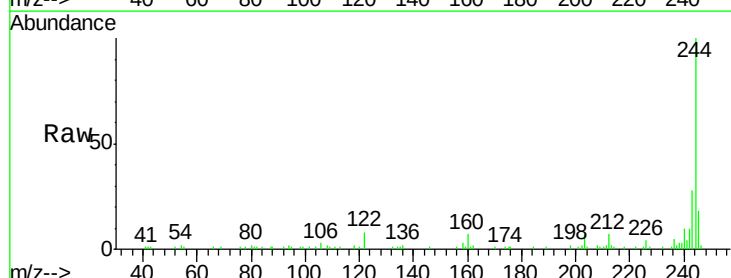
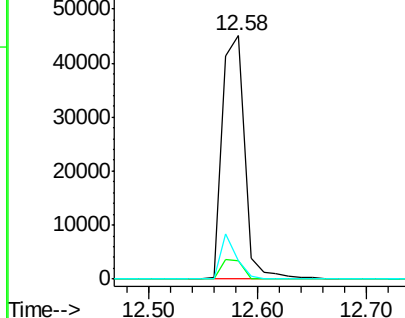
Delta R.T. -0.05 min

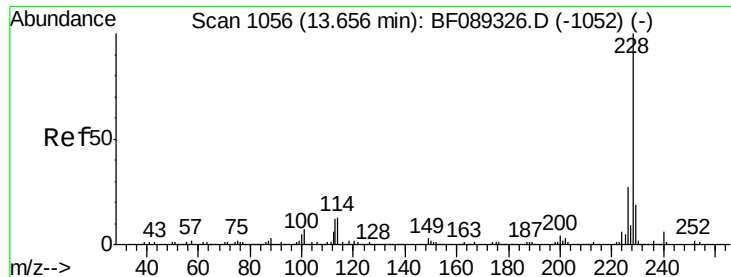
Lab File: BF089500.D

Acq: 1 Aug 2016 7:29

Tgt Ion:	244	Resp:	64527
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.5	9.7
122	7.7	11.4	17.0#

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: 11.10 ng m

RT: 13.61 min Scan# 1052

Delta R.T. -0.05 min

Lab File: BF089500.D

Acq: 1 Aug 2016 7:29

Instrument :

BNA_F

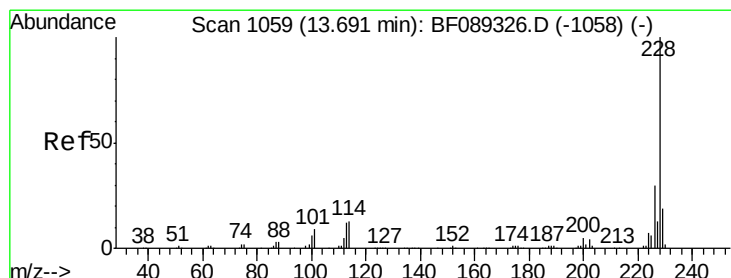
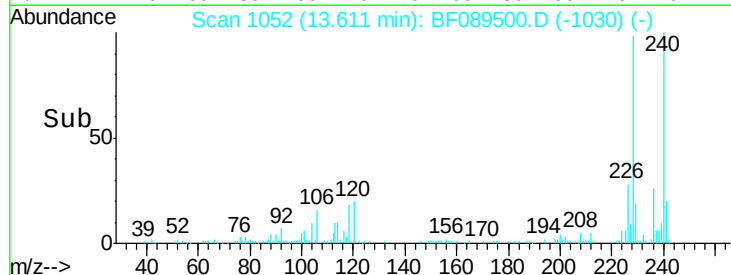
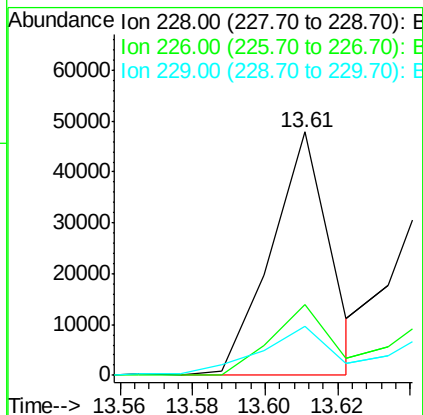
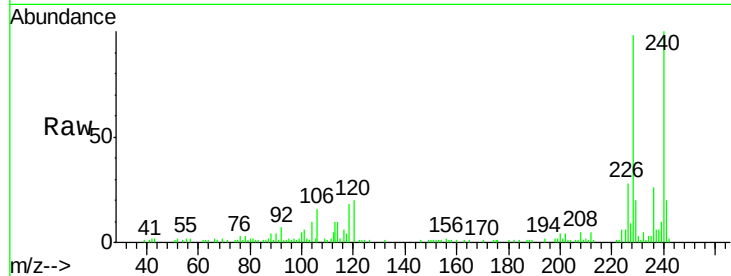
ClientSampleId :

SB-40-0.5-1.5

Tot Ion:228	Resp:	54617
Ion Ratio	Lower	Upper
228 100		
226 28.8	21.4	32.2
229 20.3	15.9	23.9

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#82

Chrysene

Concen: 8.88 ng m

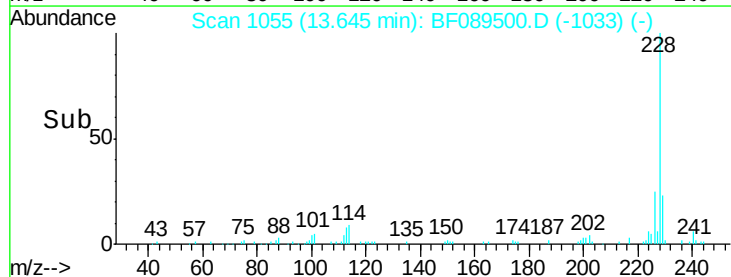
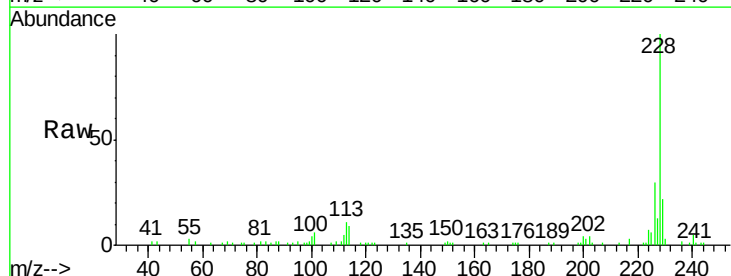
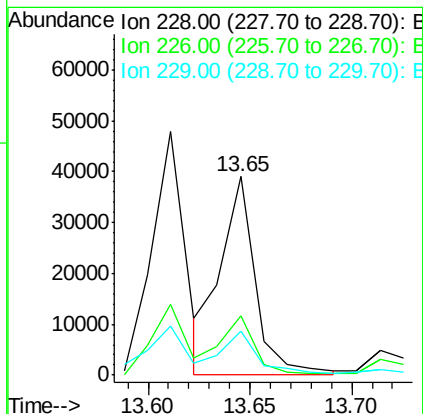
RT: 13.65 min Scan# 1055

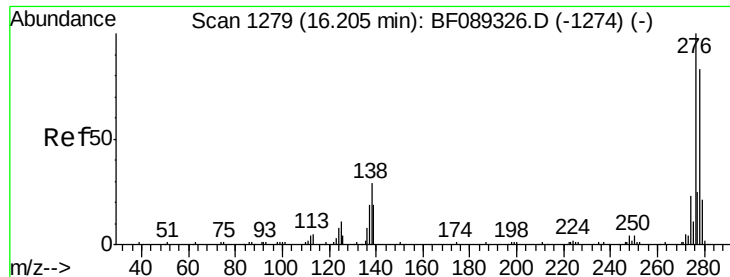
Delta R.T. -0.05 min

Lab File: BF089500.D

Acq: 1 Aug 2016 7:29

Tgt Ion:228	Resp:	46514
Ion Ratio	Lower	Upper
228 100		
226 29.6	24.2	36.2
229 22.4	15.9	23.9





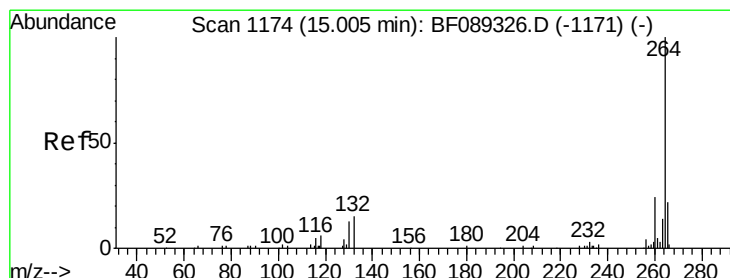
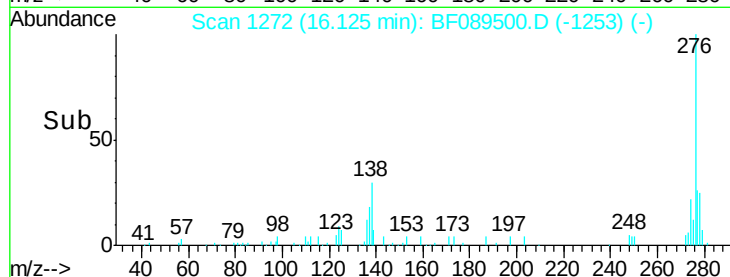
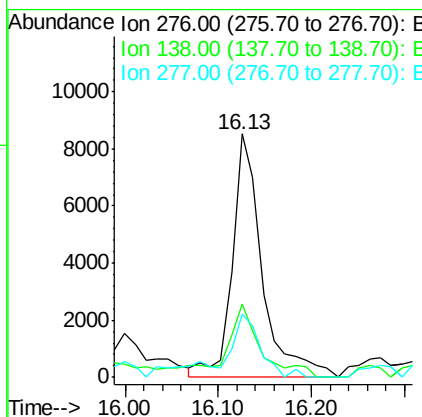
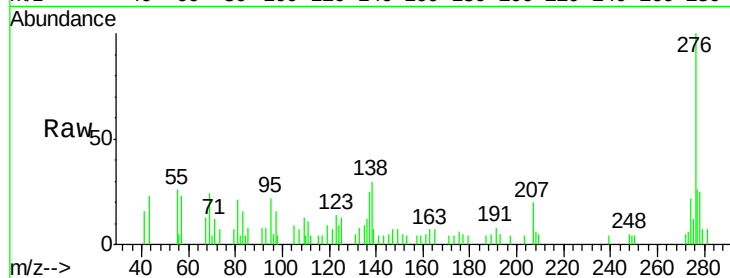
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.11 ng
RT: 16.13 min Scan# 1272
Delta R.T. -0.08 min
Lab File: BF089500.D
Acq: 1 Aug 2016 7:29

Instrument :
BNA_F
ClientSampleId :
SB-40-0.5-1.5

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.6	23.0	34.4#
277	33.1	20.2	30.4#

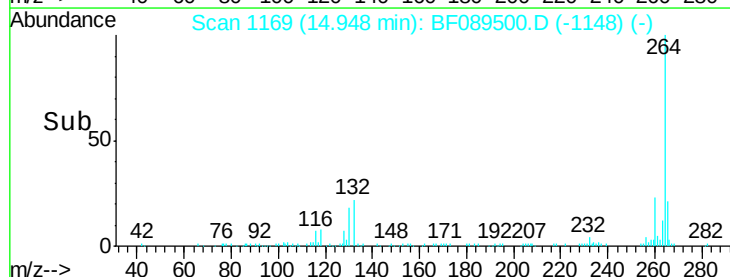
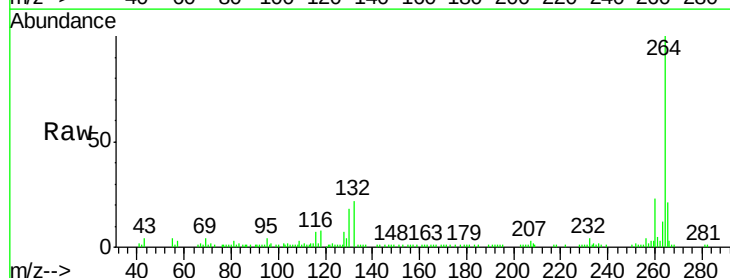
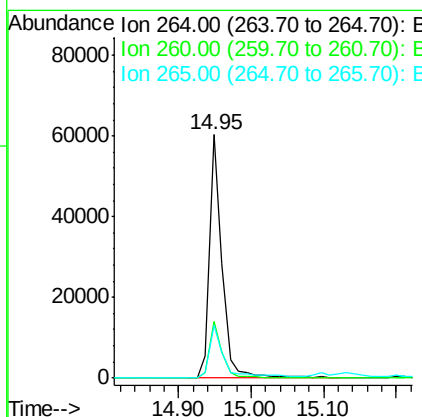
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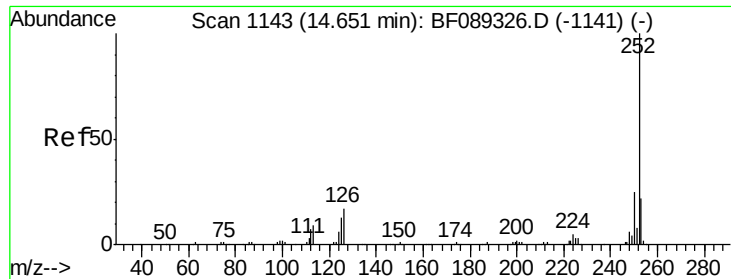
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#86
Perylene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF089500.D
Acq: 1 Aug 2016 7:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	21.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.75 ng m

RT: 14.61 min Scan# 1139

Delta R.T. -0.05 min

Lab File: BF089500.D

Acq: 1 Aug 2016 7:29

Instrument :

BNA_F

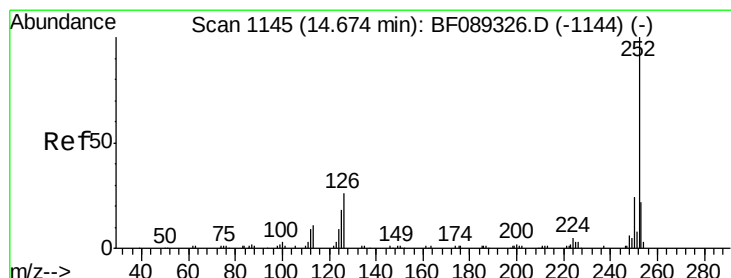
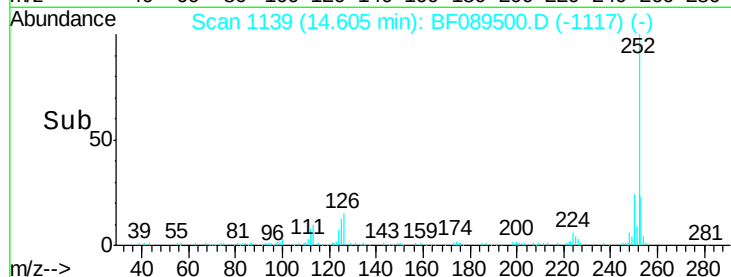
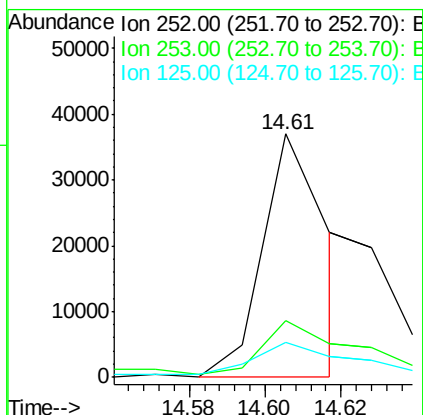
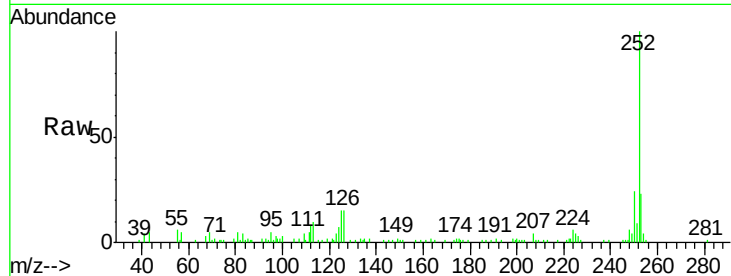
ClientSampleId :

SB-40-0.5-1.5

Tot Ion:	252	Resp:	43894
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.2	25.8
125	14.6	9.7	14.5#

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#88

Benzo(k)fluoranthene

Concen: 4.77 ng m

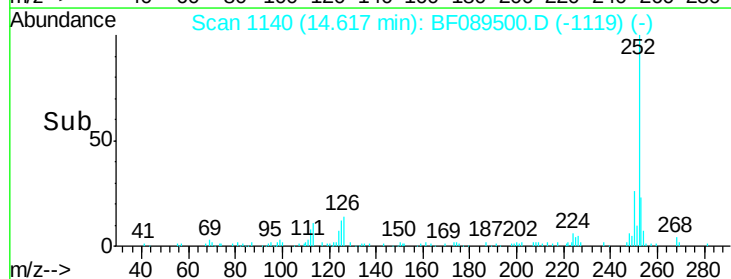
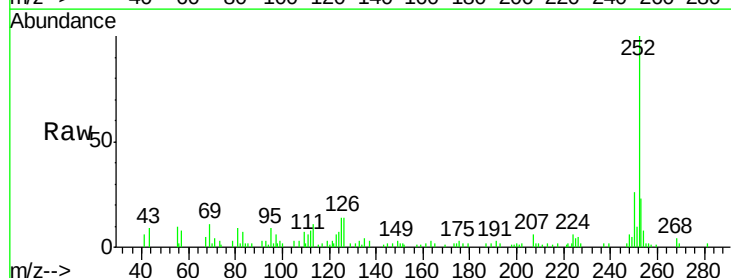
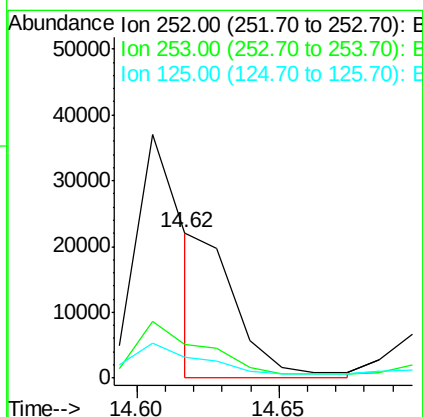
RT: 14.62 min Scan# 1140

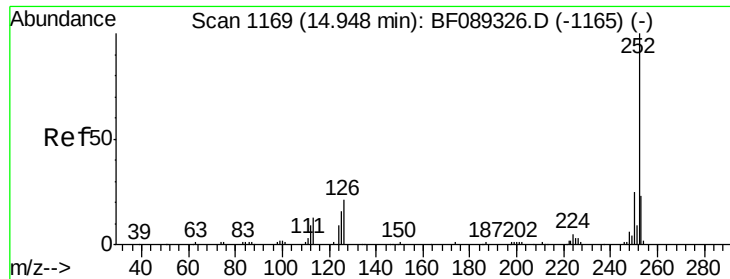
Delta R.T. -0.06 min

Lab File: BF089500.D

Acq: 1 Aug 2016 7:29

Tgt Ion:	252	Resp:	19746
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.8
125	14.2	10.7	16.1





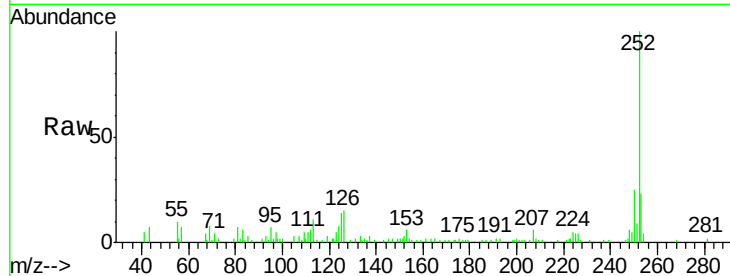
#89
Benzo(a)pyrene
Concen: 8.33 ng
RT: 14.90 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF089500.D
Acq: 1 Aug 2016 7:29

Instrument :
BNA_F
ClientSampleId :
SB-40-0.5-1.5

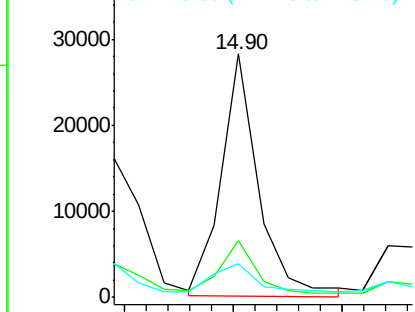
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	13.8	12.4	18.6

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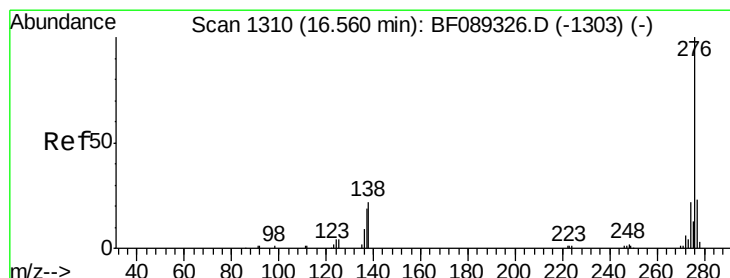
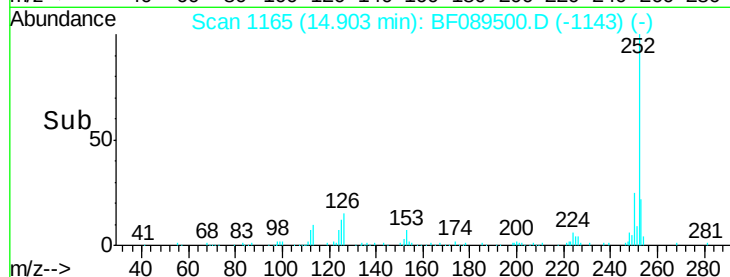
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



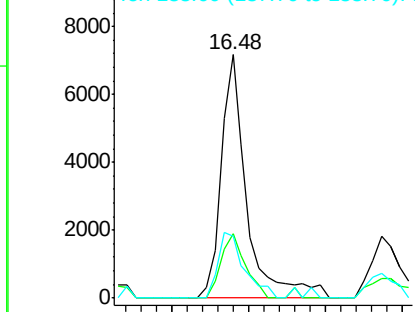
Time--> 14.85 14.90 14.95



#91
Benzo(g,h,i)perylene
Concen: 5.35 ng
RT: 16.48 min Scan# 1303
Delta R.T. -0.07 min
Lab File: BF089500.D
Acq: 1 Aug 2016 7:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.6	28.0
138	25.4	21.4	32.0

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



Time--> 16.40 16.50 16.60

