

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089497.D
 Acq On : 1 Aug 2016 6:00
 Operator : UM/SJ
 Sample : H4215-06
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

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Quant Time: Aug 01 07:29:29 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 04:11:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	45658	20.00	ng	-0.01
21) Naphthalene-d8	7.78	136	163010	20.00	ng	-0.01
38) Acenaphthene-d10	9.52	164	59625	20.00	ng	-0.01
63) Phenanthrene-d10	10.99	188	112947	20.00	ng	-0.01
75) Chrysene-d12	13.62	240	104235	20.00	ng	0.00
86) Perylene-d12	14.96	264	79021	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.06	112	213345	74.61	ng	0.00
7) Phenol-d6	6.16	99	301779	79.86	ng	-0.01
23) Nitrobenzene-d5	7.06	82	180144	65.23	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	38125	77.20	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	270201	66.51	ng	-0.01
78) Terphenyl-d14	12.58	244	239533	53.78	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	9.38	152	16558	2.76	ng	97
49) Dimethylphthalate	9.26	163	49301	10.86	ng	98
57) Fluorene	10.07	166	10754	2.58	ng	# 95
70) Phenanthrene	11.02	178	215588	37.01	ng	100
71) Anthracene	11.07	178	80824	12.48	ng	99
72) Carbazole	11.23	167	18118	3.32	ng	96
74) Fluoranthene	12.20	202	694017	113.26	ng	94
77) Pyrene	12.43	202	694604	87.93	ng	99
80) Benzo(a)anthracene	13.61	228	398606	67.76	ng	96
82) Chrysene	13.66	228	294128m	46.97	ng	
85) Indeno(1,2,3-cd)pyrene	16.14	276	140976	31.67	ng	99
87) Benzo(b)fluoranthene	14.62	252	379334m	77.30	ng	
88) Benzo(k)fluoranthene	14.63	252	130403m	28.90	ng	
89) Benzo(a)pyrene	14.91	252	247403m	56.20	ng	
90) Dibenzo(a,h)anthracene	16.14	278	31751m	9.16	ng	
91) Benzo(g,h,i)perylene	16.49	276	125942	36.95	ng	97

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

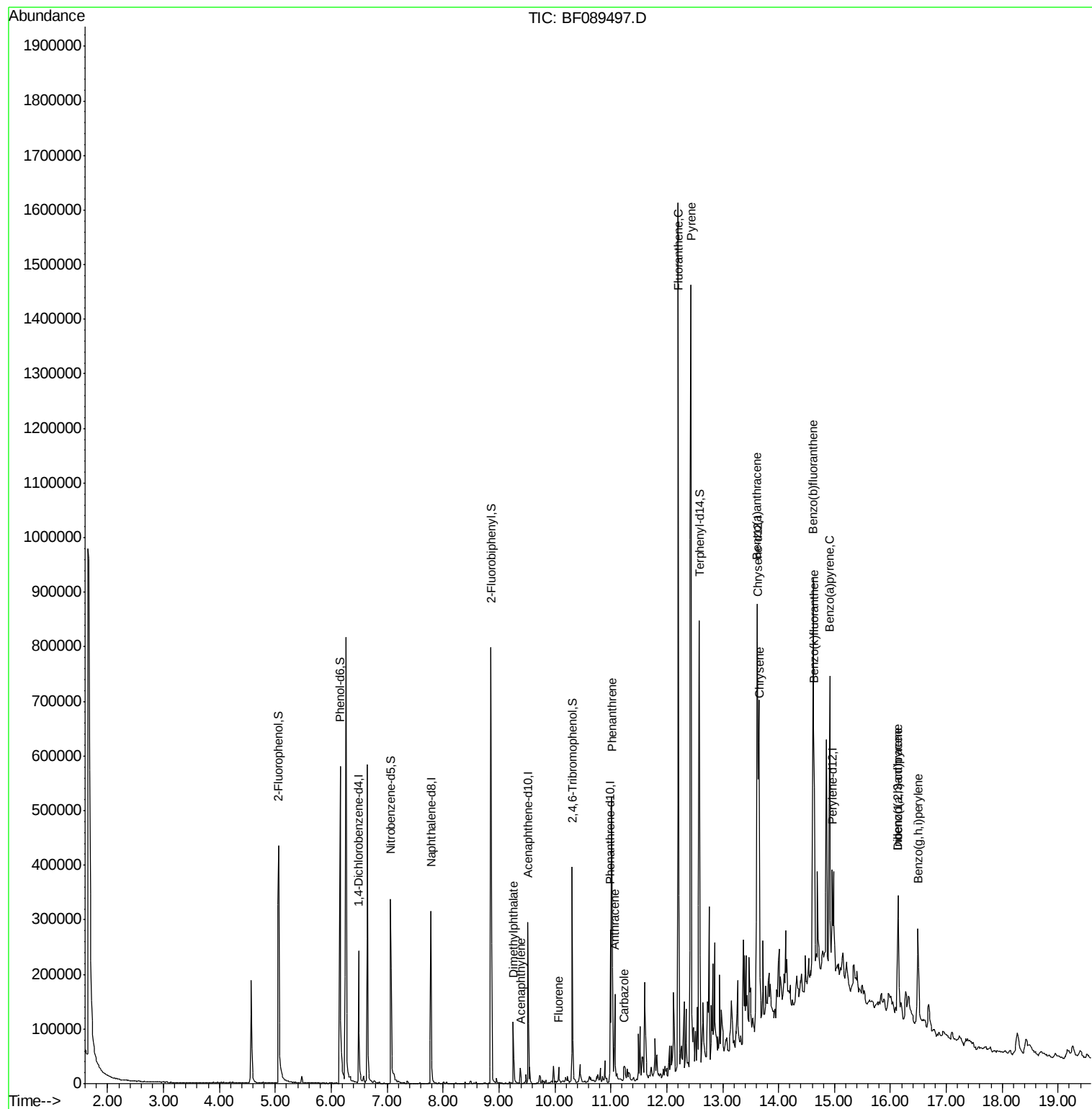
Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089497.D
Acq On : 1 Aug 2016 6:00
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ALS Vial : 32 Sample Multiplier: 1

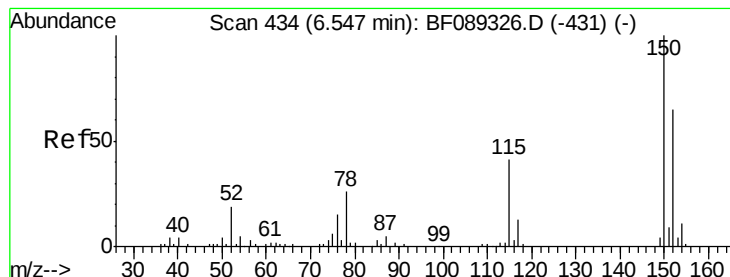
Instrument :
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SB-13-COMP

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Quant Time: Aug 01 07:29:29 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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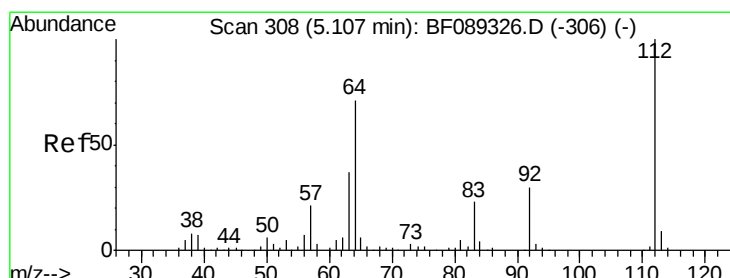
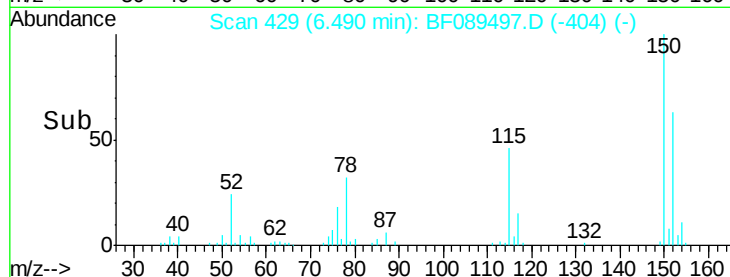
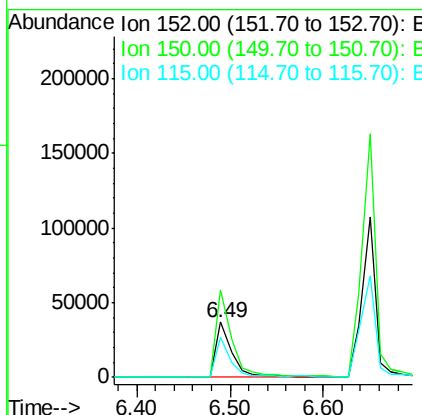
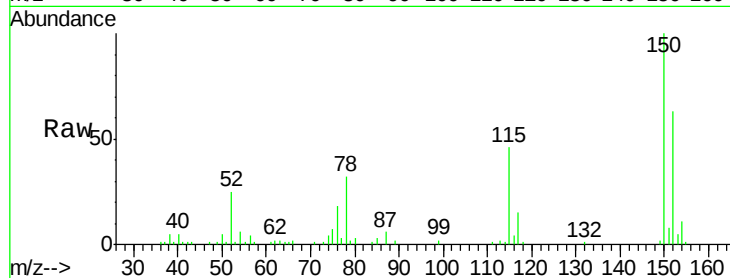
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.49 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: BF089497.D
 Acq: 1 Aug 2016 6:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	129.5	194.3
115	73.0	51.4	77.2

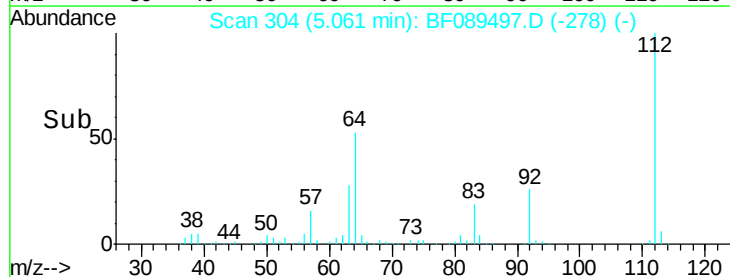
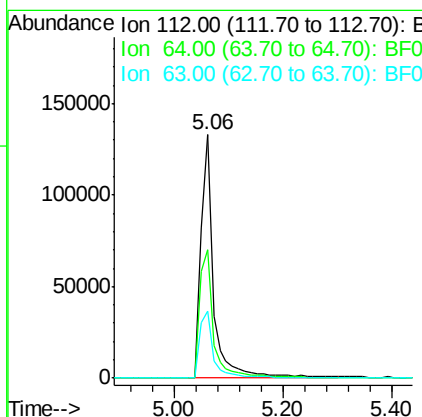
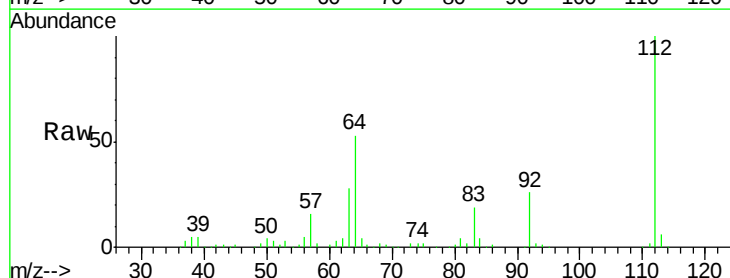
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#5
 2-Fluorophenol
 Concen: 74.61 ng
 RT: 5.06 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: BF089497.D
 Acq: 1 Aug 2016 6:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	55.0	82.6#
63	27.7	29.4	44.2#





#7

Phenol-d6

Concen: 79.86 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF089497.D

Acq: 1 Aug 2016 6:00

Instrument :

BNA_F

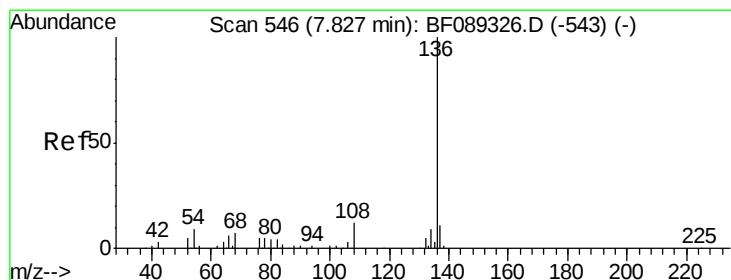
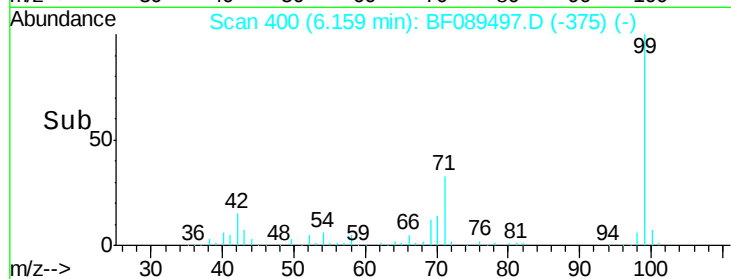
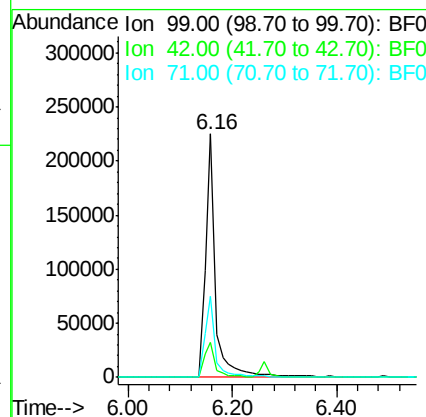
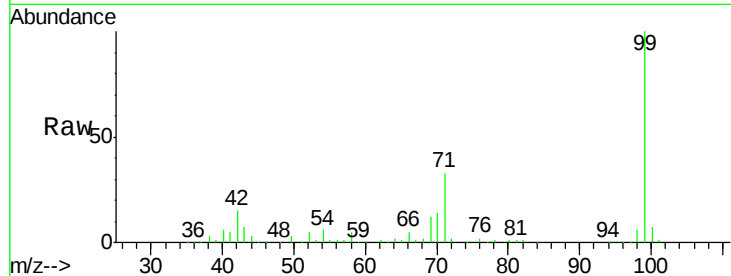
ClientSampleId :

SB-13-COMP

Tot Ion:	99	Resp:	301779
Ion Ratio	Lower	Upper	
99	100		
42	14.6	13.6	20.4
71	33.5	29.4	44.2

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#21

Naphthalene-d8

Concen: 20.00 ng

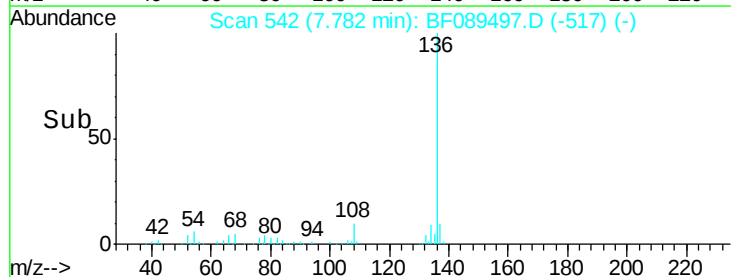
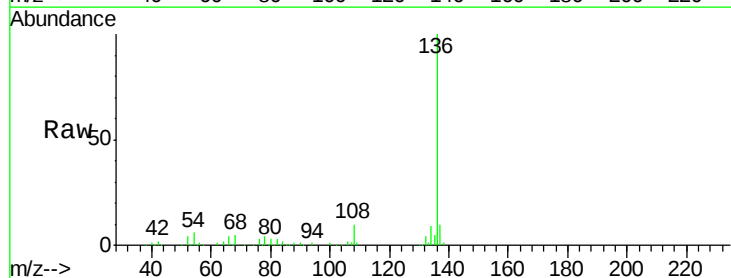
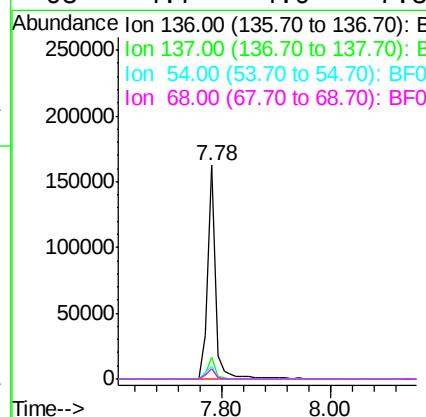
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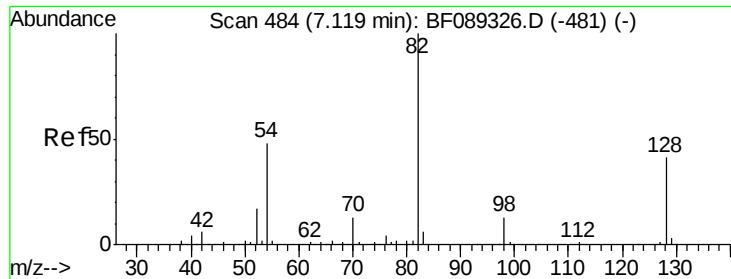
Delta R.T. -0.01 min

Lab File: BF089497.D

Acq: 1 Aug 2016 6:00

Tgt Ion:	136	Resp:	163010
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.6	13.0
54	5.9	7.0	10.4#
68	4.7	4.9	7.3#





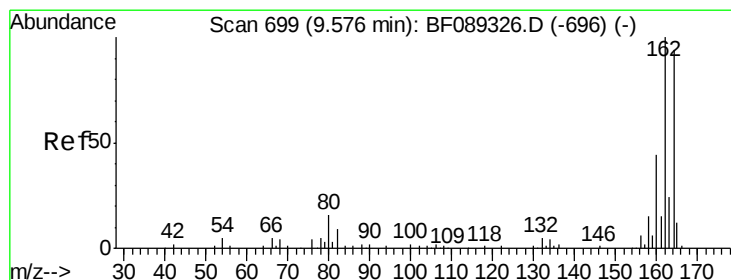
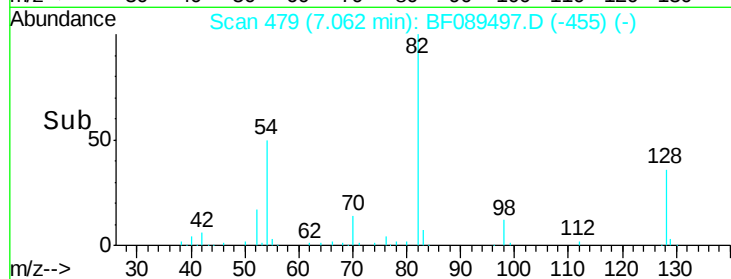
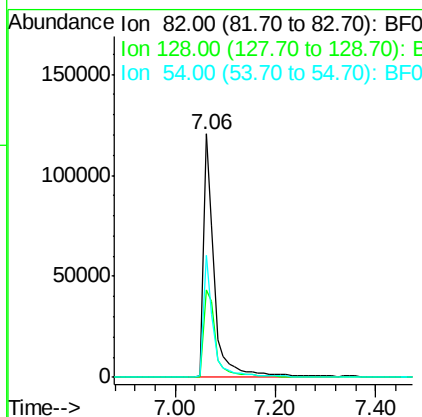
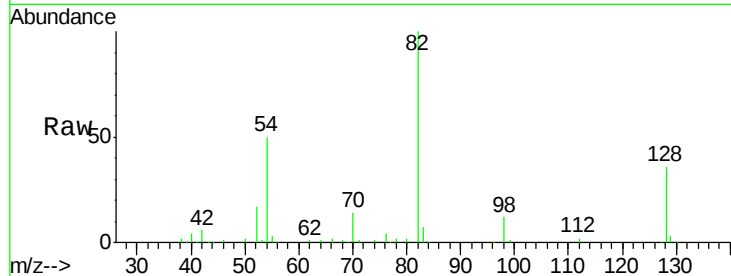
#23
 Nitrobenzene-d5
 Concen: 65.23 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.02 min
 Lab File: BF089497.D
 Acq: 1 Aug 2016 6:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tot Ion:	82	Resp:	180144
Ion Ratio		Lower	Upper
82	100		
128	36.0	32.5	48.7
54	50.3	38.8	58.2

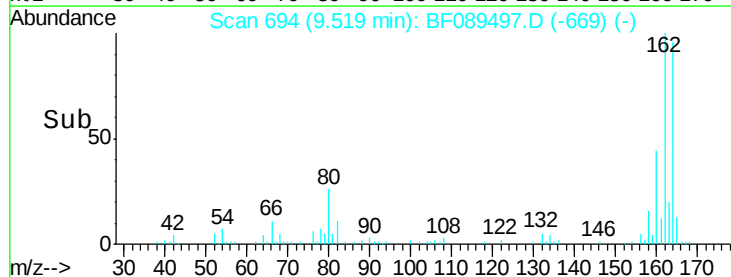
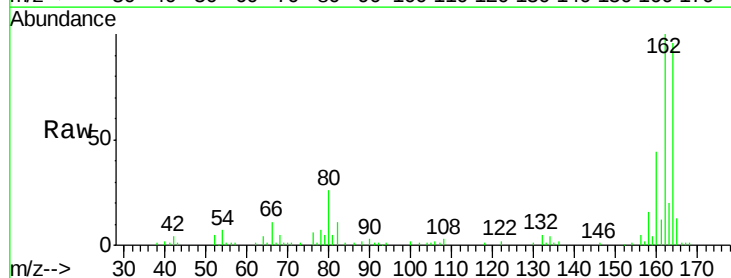
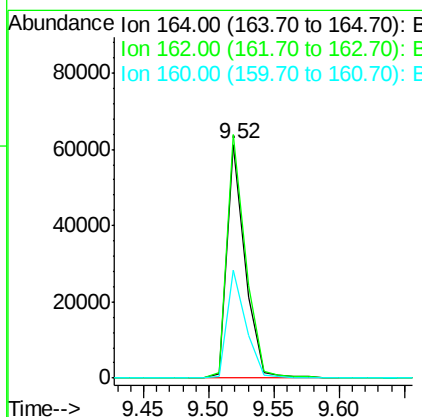
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.01 min
 Lab File: BF089497.D
 Acq: 1 Aug 2016 6:00

Tgt Ion:	164	Resp:	59625
Ion Ratio		Lower	Upper
164	100		
162	104.3	83.7	125.5
160	46.2	37.8	56.6





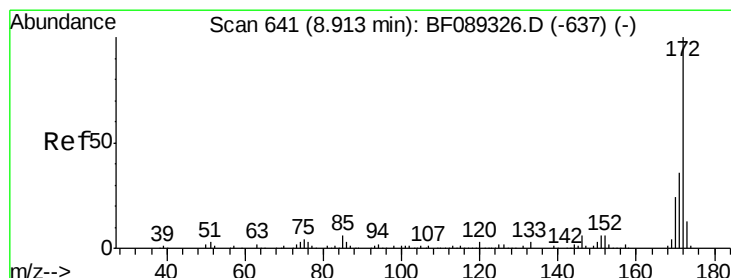
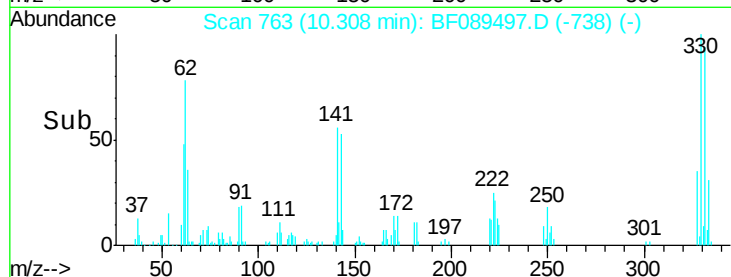
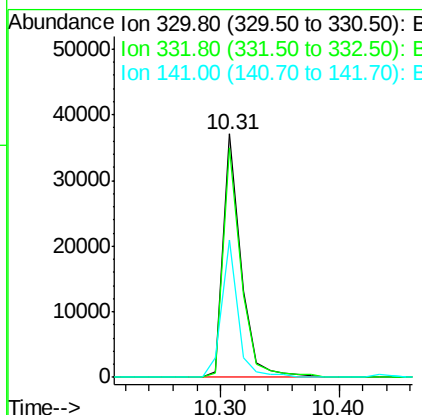
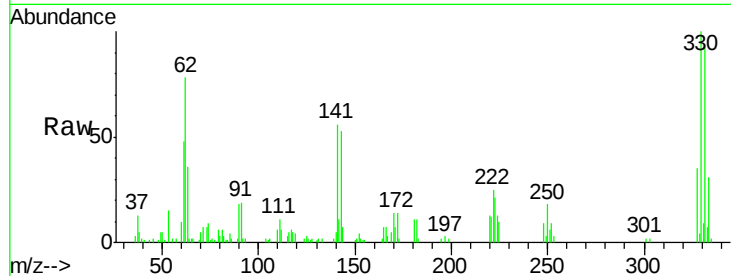
#41
 2,4,6-Tribromophenol
 Concen: 77.20 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BF089497.D
 Acq: 1 Aug 2016 6:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.6	76.8	115.2	
141	51.3	37.3	55.9	

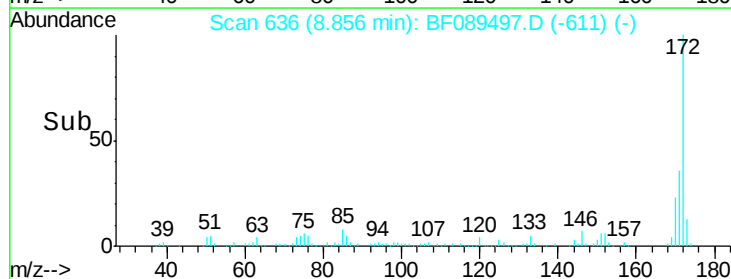
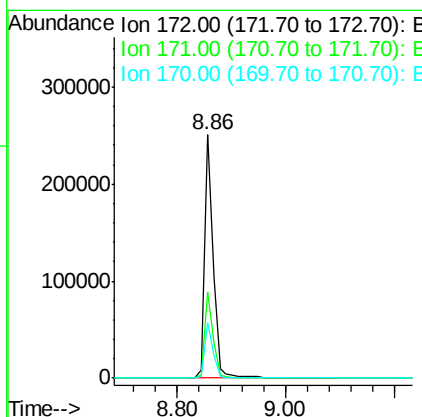
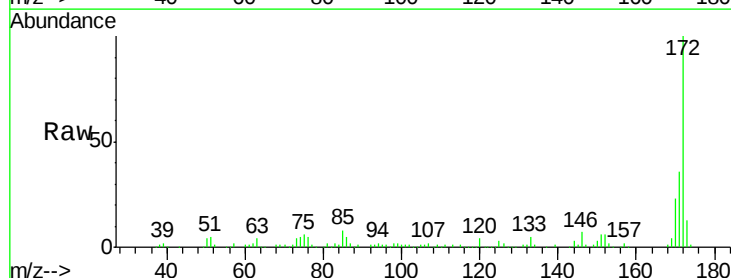
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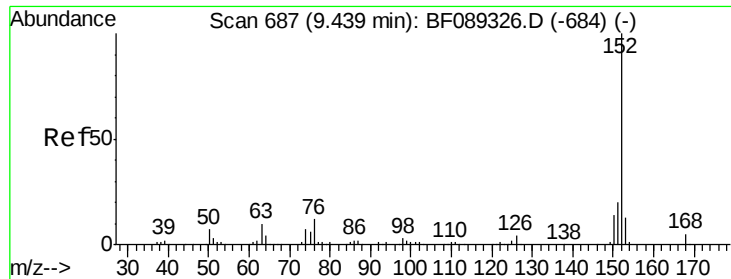
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#44
 2-Fluorobiphenyl
 Concen: 66.51 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: BF089497.D
 Acq: 1 Aug 2016 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.2	43.8	
170	22.9	19.2	28.8	





#48

Acenaphthylene

Concen: 2.76 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF089497.D

Acq: 1 Aug 2016 6:00

Instrument :

BNA_F

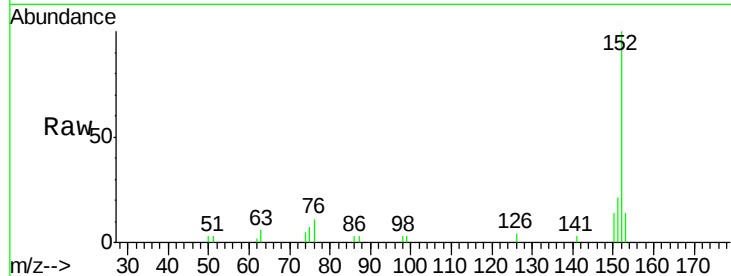
ClientSampleId :

SB-13-COMP

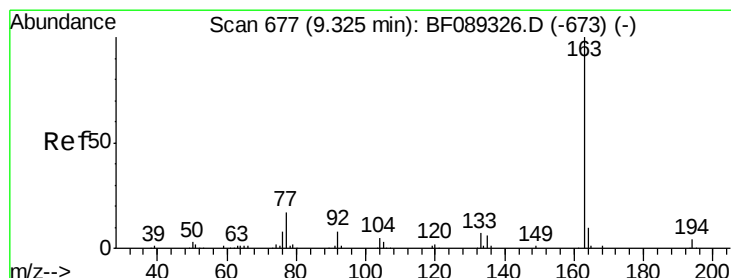
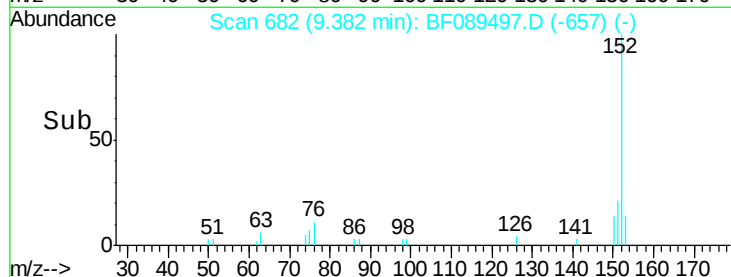
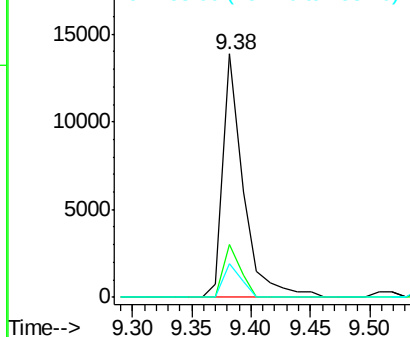
Tot Ion:	152	Resp:	16558
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.2	24.2
153	13.8	10.2	15.4

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



#49

Dimethylphthalate

Concen: 10.86 ng

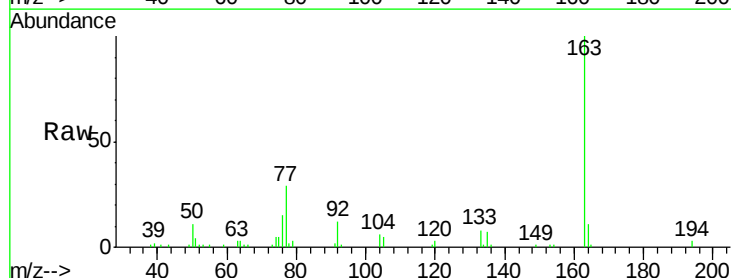
RT: 9.26 min Scan# 671

Delta R.T. -0.02 min

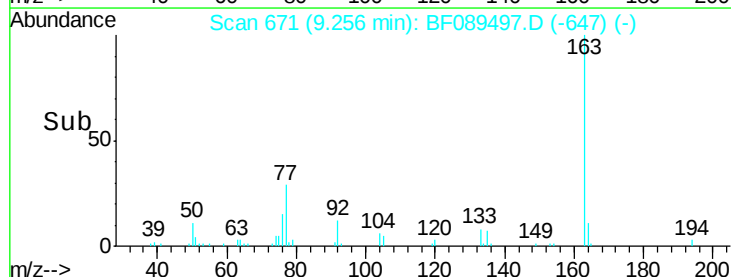
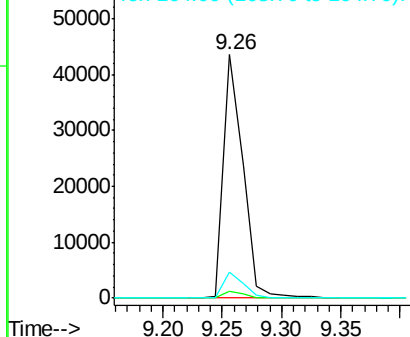
Lab File: BF089497.D

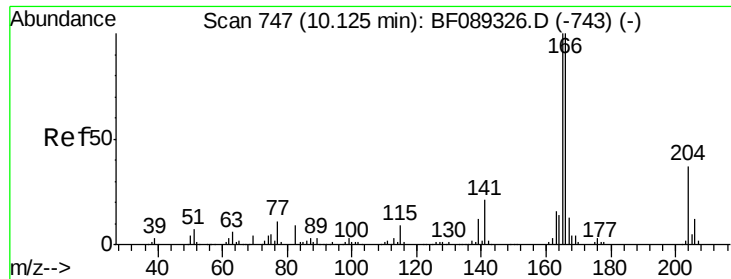
Acq: 1 Aug 2016 6:00

Tgt Ion:	163	Resp:	49301
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.8	4.2
164	10.6	7.8	11.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





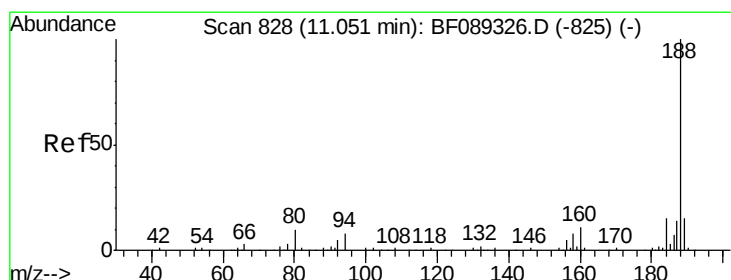
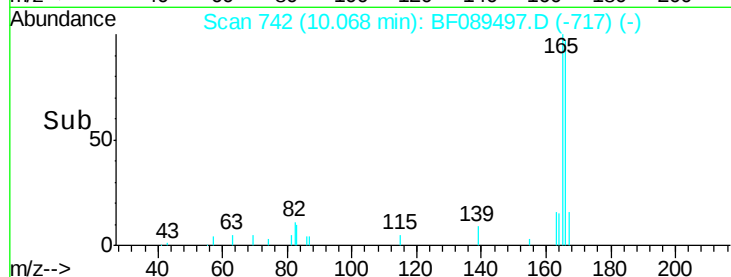
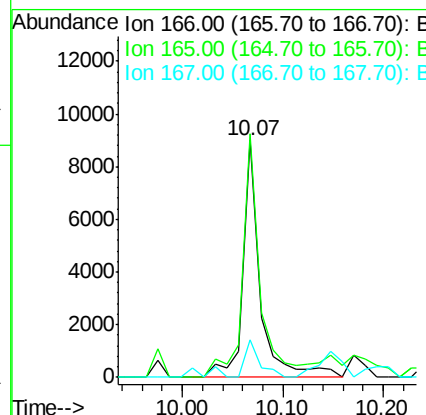
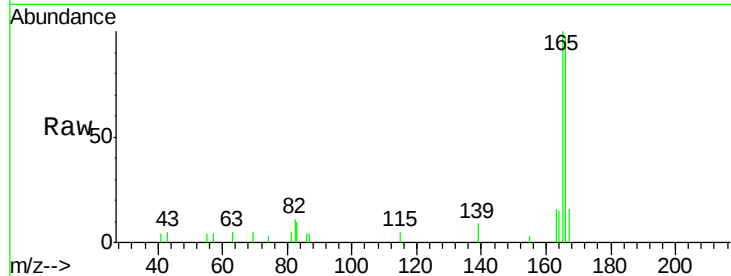
#57
Fluorene
 Concen: 2.58 ng
 RT: 10.07 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF089497.D
 Acq: 1 Aug 2016 6:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	102.9	79.0	118.4		
167	16.0	10.2	15.2#		

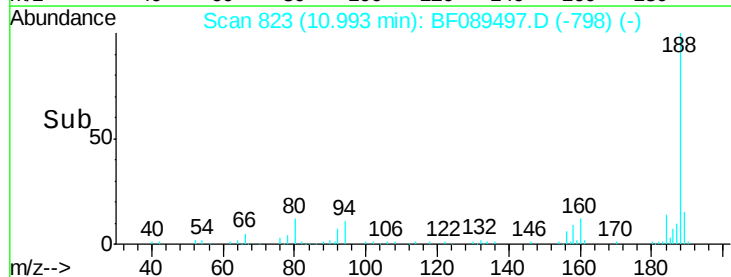
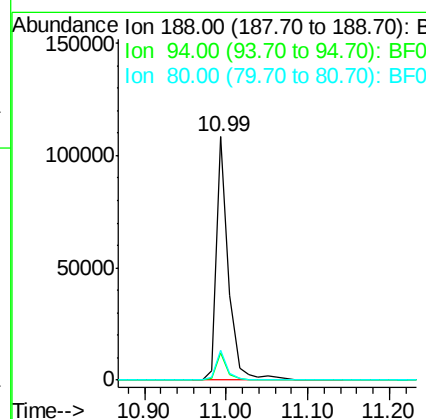
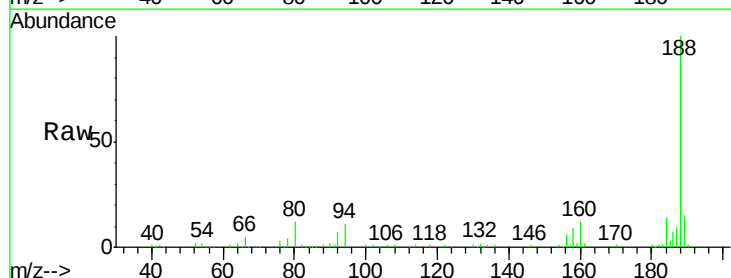
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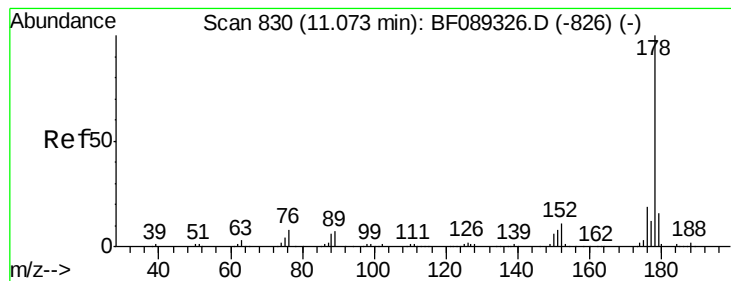
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BF089497.D
 Acq: 1 Aug 2016 6:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.3	6.5	9.7#		
80	12.2	7.2	10.8#		





#70

Phenanthrene

Concen: 37.01 ng

RT: 11.02 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF089497.D

Acq: 1 Aug 2016 6:00

Instrument :

BNA_F

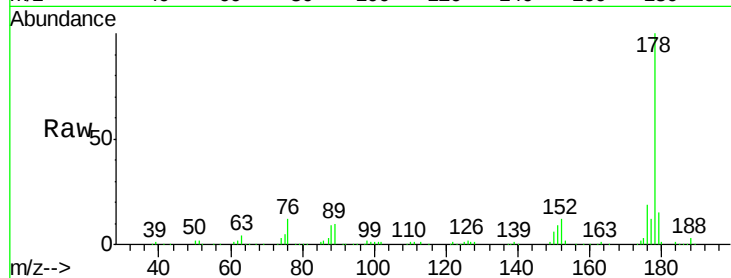
ClientSampled :

SB-13-COMP

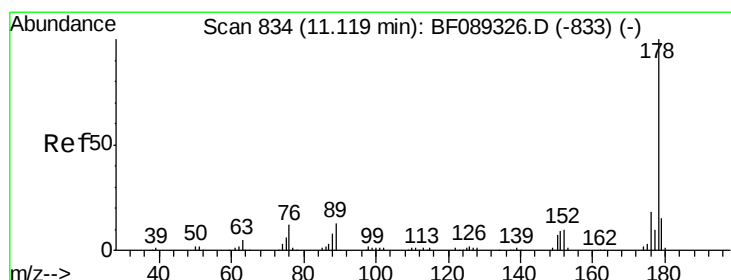
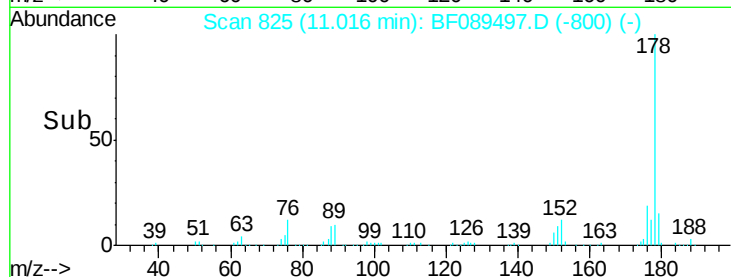
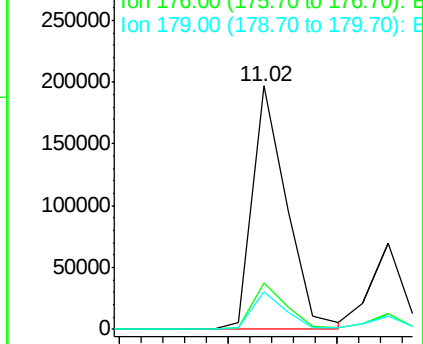
Tot Ion:178	Resp:	215588
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.5 23.3
179	15.4	12.3 18.5

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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



#71

Anthracene

Concen: 12.48 ng

RT: 11.07 min Scan# 830

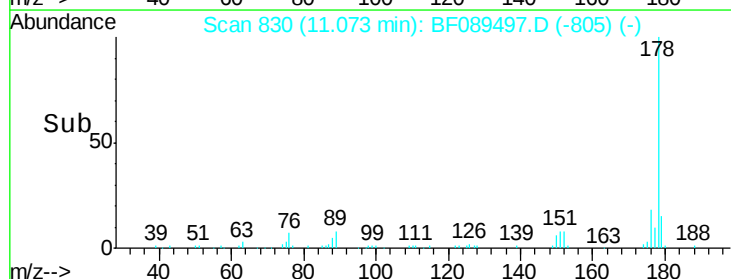
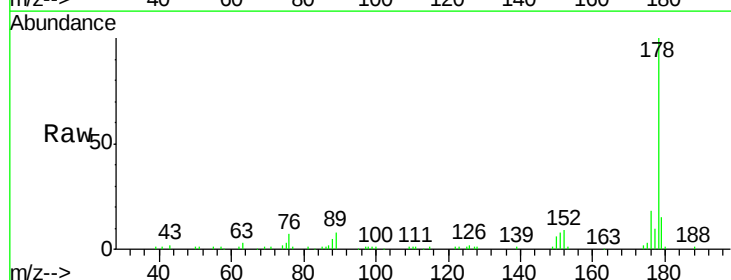
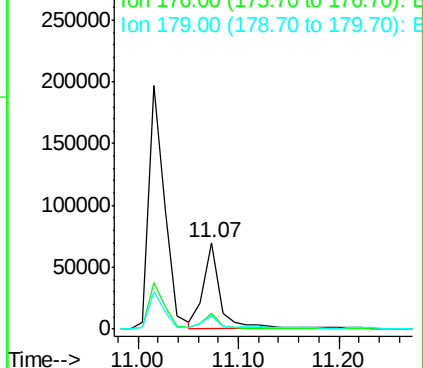
Delta R.T. -0.01 min

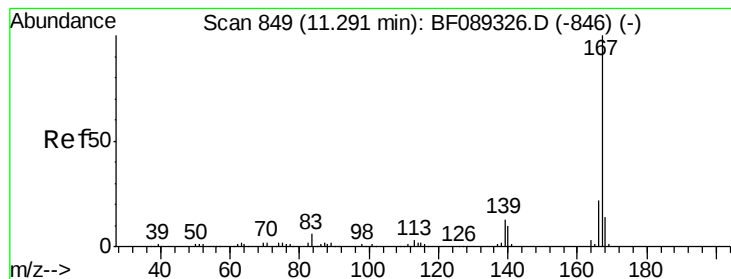
Lab File: BF089497.D

Acq: 1 Aug 2016 6:00

Tgt Ion:178	Resp:	80824
Ion Ratio	Lower	Upper
178	100	
176	18.1	14.8 22.2
179	15.1	12.6 18.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.32 ng

RT: 11.23 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF089497.D

Acq: 1 Aug 2016 6:00

Instrument :

BNA_F

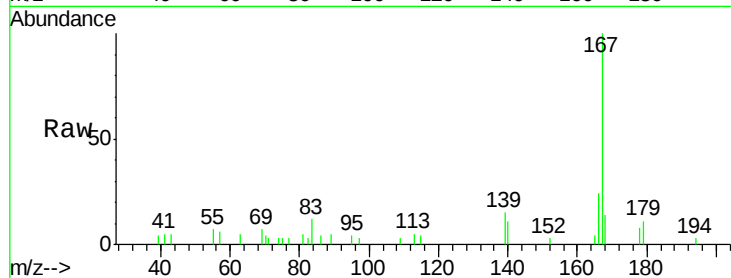
ClientSampleId :

SB-13-COMP

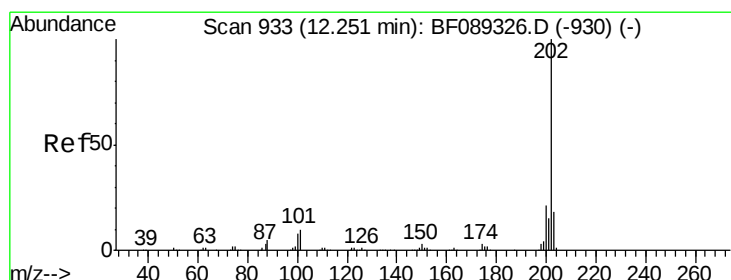
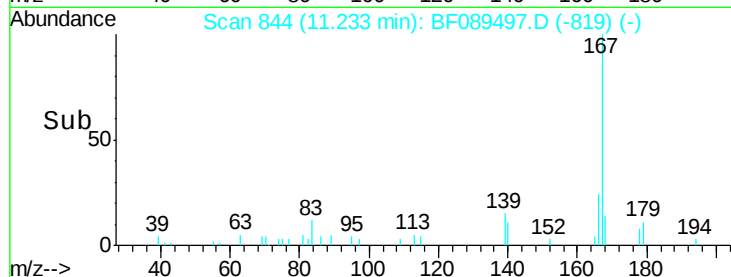
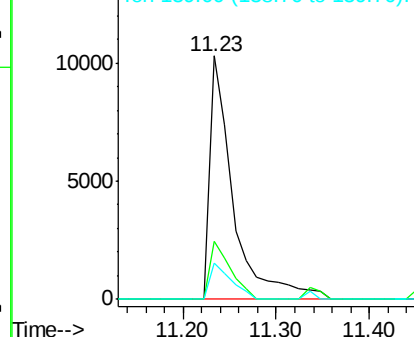
Tot Ion:	167	Resp:	18118
Ion Ratio	Lower	Upper	
167	100		
166	23.8	17.6	26.4
139	14.7	10.1	15.1

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 113.26 ng

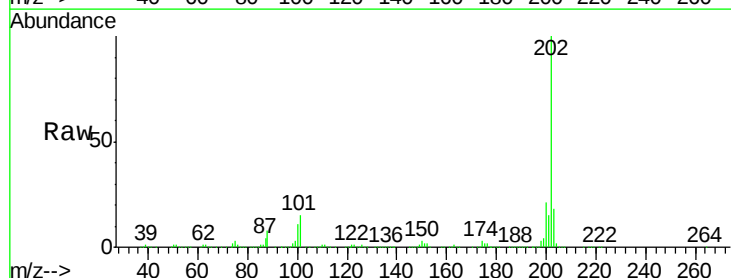
RT: 12.20 min Scan# 929

Delta R.T. -0.00 min

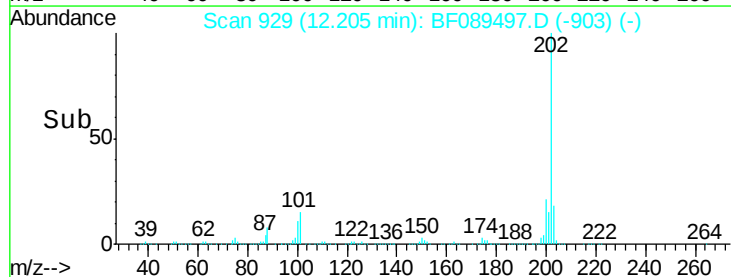
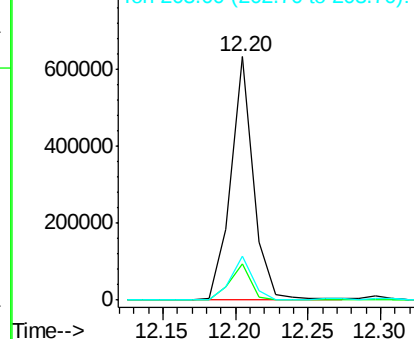
Lab File: BF089497.D

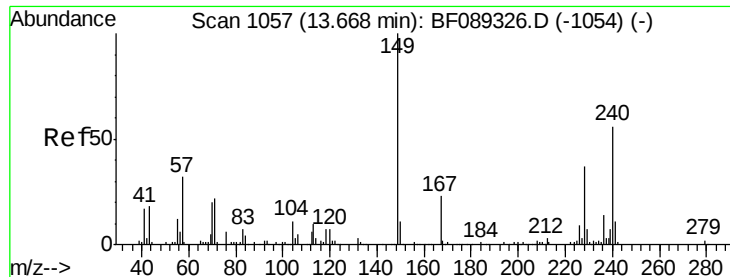
Acq: 1 Aug 2016 6:00

Tgt Ion:	202	Resp:	694017
Ion Ratio	Lower	Upper	
202	100		
101	14.8	0.0	29.9
203	17.9	0.0	37.3



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. -0.00 min

Lab File: BF089497.D

Acq: 1 Aug 2016 6:00

Instrument :

BNA_F

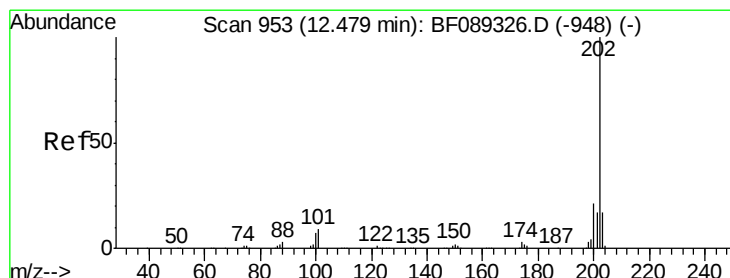
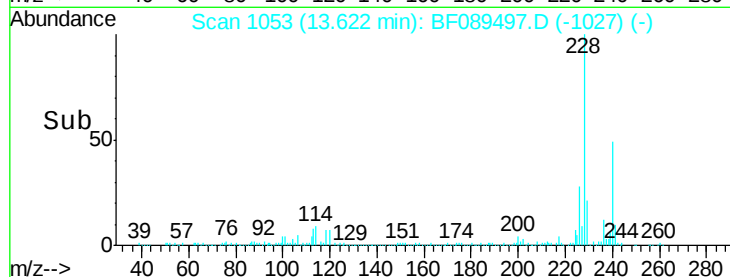
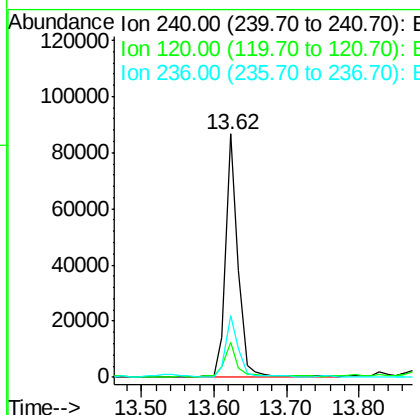
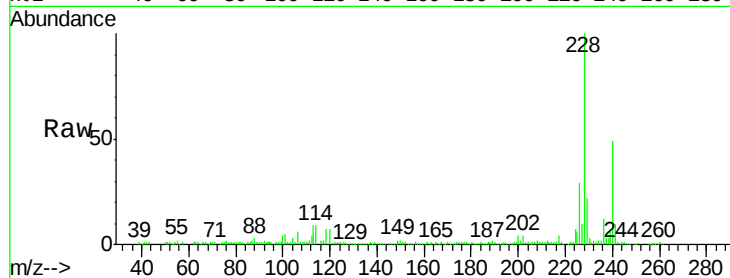
ClientSampleId :

SB-13-COMP

Tot Ion	Ratio	Resp	Lower	Upper
240	100	104235		
120	14.2	9.1	13.7#	
236	25.2	20.6	30.8	

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#77

Pyrene

Concen: 87.93 ng

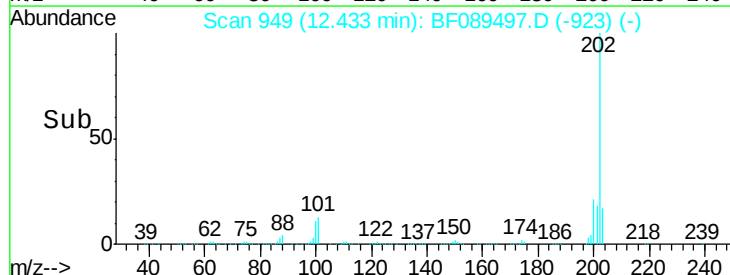
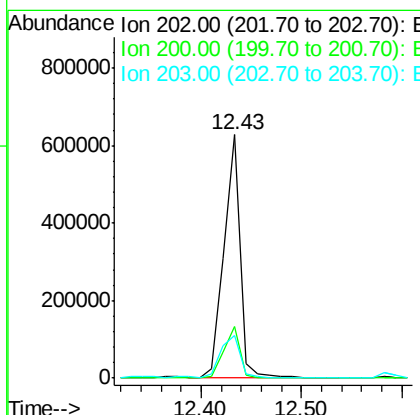
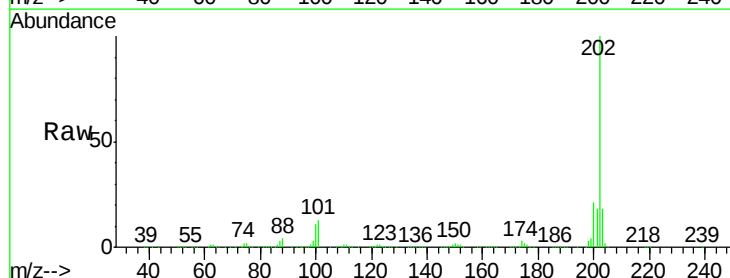
RT: 12.43 min Scan# 949

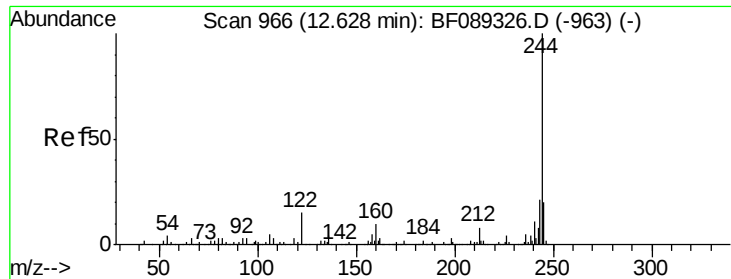
Delta R.T. -0.00 min

Lab File: BF089497.D

Acq: 1 Aug 2016 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	694604		
200	21.5	16.9	25.3	
203	17.7	14.0	21.0	





#78

Terphenyl-d14

Concen: 53.78 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF089497.D

Acq: 1 Aug 2016 6:00

Instrument :

BNA_F

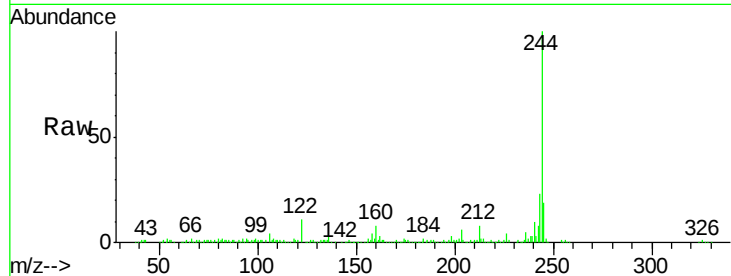
ClientSampleId :

SB-13-COMP

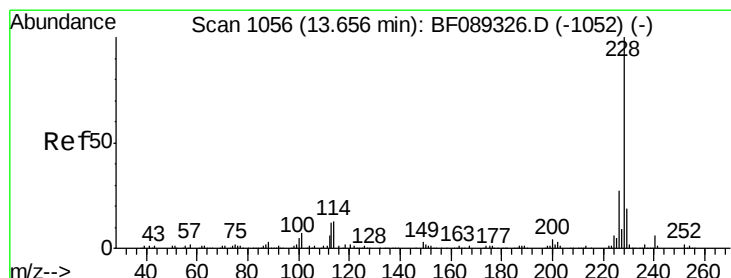
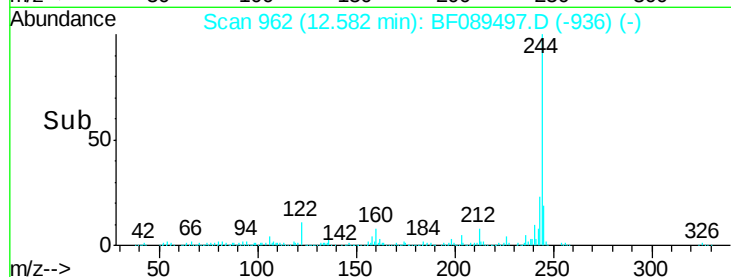
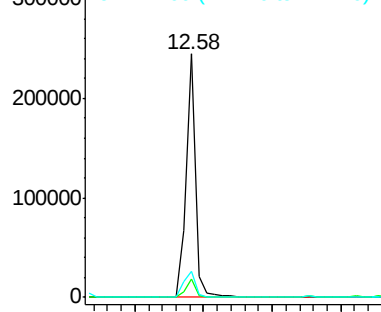
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	10.8	11.4	17.0

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Abundance Ion 244.00 (243.70 to 244.70): E



#80

Benzo(a)anthracene

Concen: 67.76 ng

RT: 13.61 min Scan# 1052

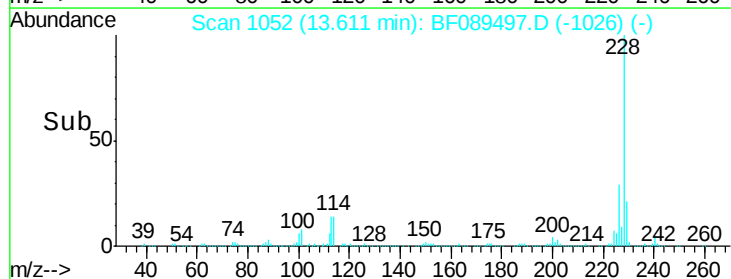
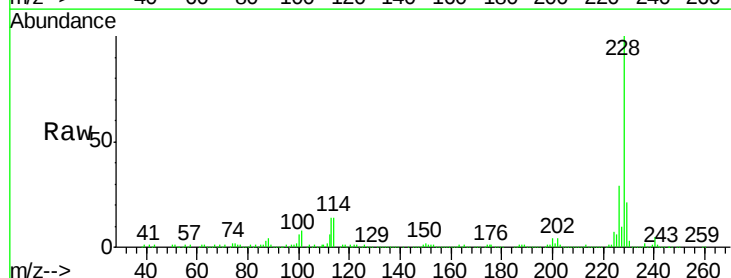
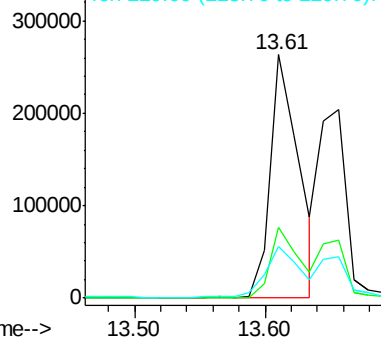
Delta R.T. -0.00 min

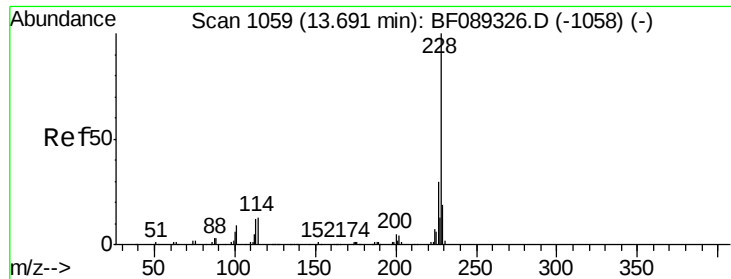
Lab File: BF089497.D

Acq: 1 Aug 2016 6:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.4	32.2
229	21.4	15.9	23.9

Abundance Ion 228.00 (227.70 to 228.70): E





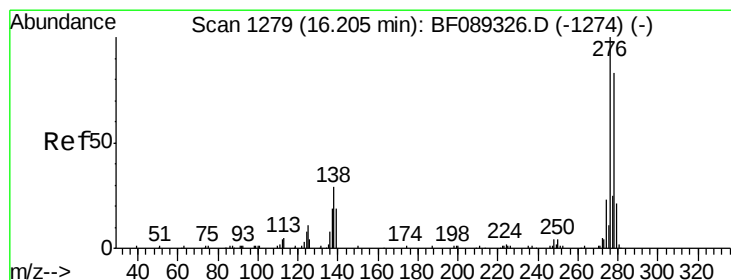
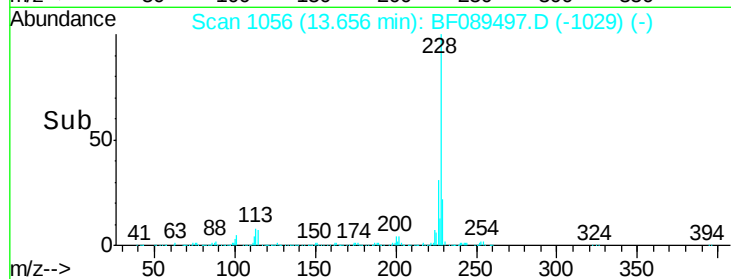
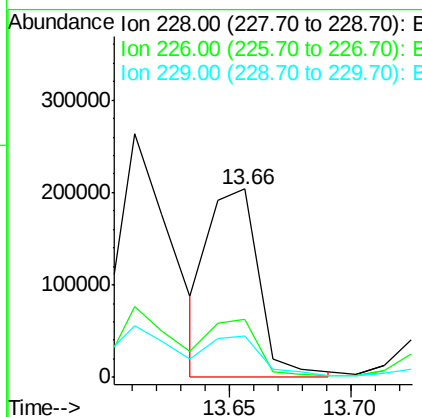
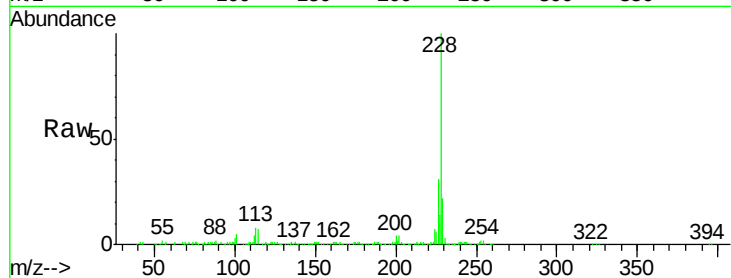
#82
Chrysene
Concen: 46.97 ng/mL
RT: 13.66 min Scan# 1056
Delta R.T. 0.01 min
Lab File: BF089497.D
Acq: 1 Aug 2016 6:00

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tot Ion:	228	Resp:	294128
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.2	36.2
229	22.3	15.9	23.9

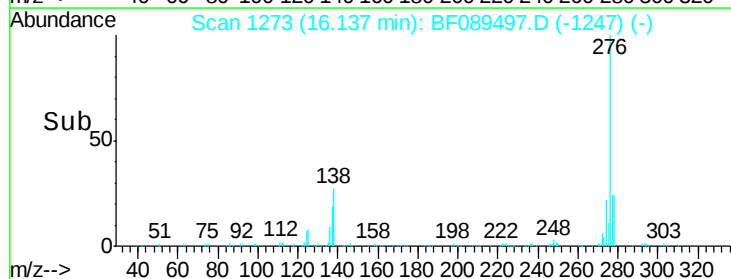
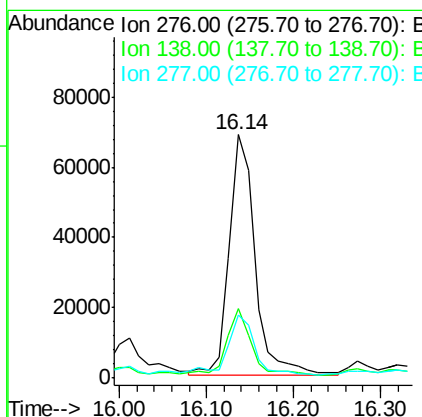
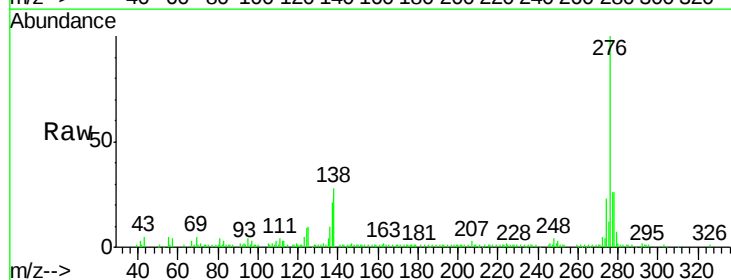
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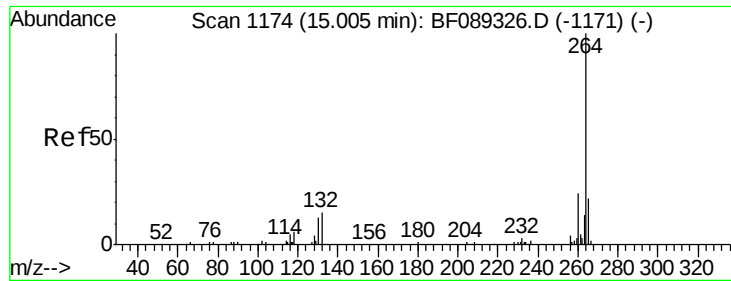
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#85
Indeno(1,2,3-cd)pyrene
Concen: 31.67 ng/mL
RT: 16.14 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BF089497.D
Acq: 1 Aug 2016 6:00

Tgt Ion:	276	Resp:	140976
Ion Ratio	Lower	Upper	
276	100		
138	27.6	23.0	34.4
277	25.7	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 14.96 min Scan# 1170

Delta R.T. 0.01 min

Lab File: BF089497.D

Acq: 1 Aug 2016 6:00

Instrument :

BNA_F

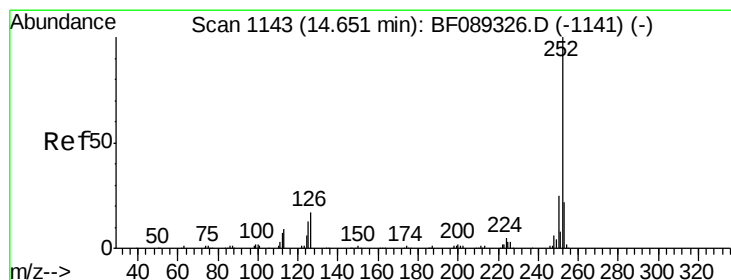
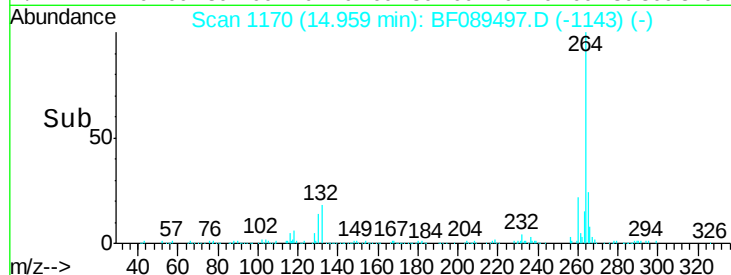
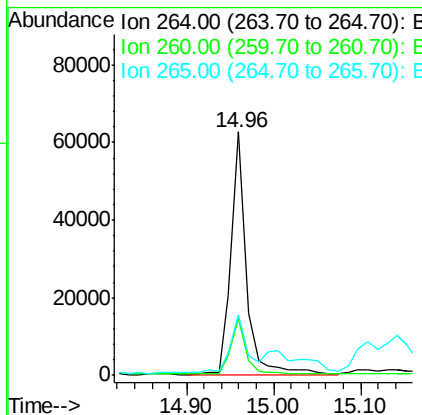
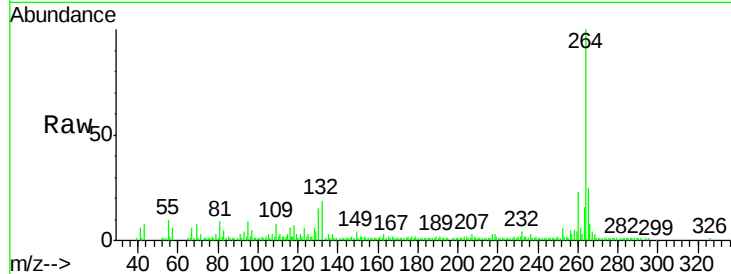
ClientSampleId :

SB-13-COMP

Tot Ion:	264	Resp:	79021
Ion Ratio		Lower	Upper
264	100		
260	23.5	19.0	28.4
265	24.6	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 77.30 ng m

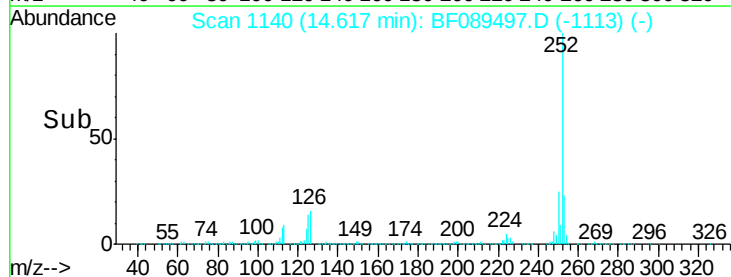
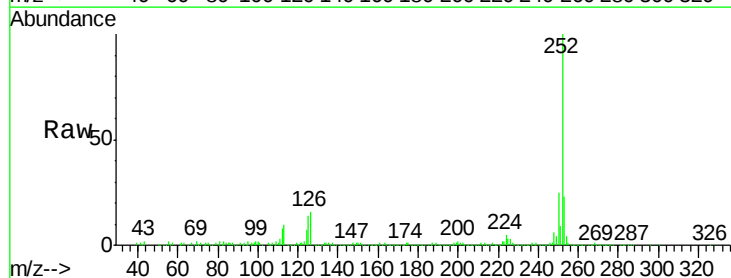
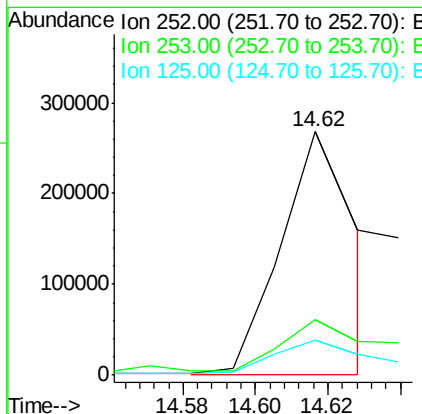
RT: 14.62 min Scan# 1140

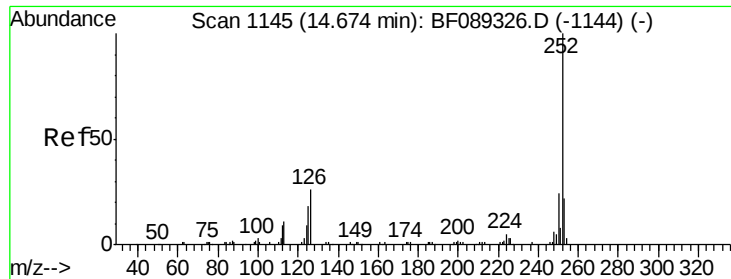
Delta R.T. 0.01 min

Lab File: BF089497.D

Acq: 1 Aug 2016 6:00

Tgt Ion:	252	Resp:	379334
Ion Ratio		Lower	Upper
252	100		
253	22.9	17.2	25.8
125	14.1	9.7	14.5





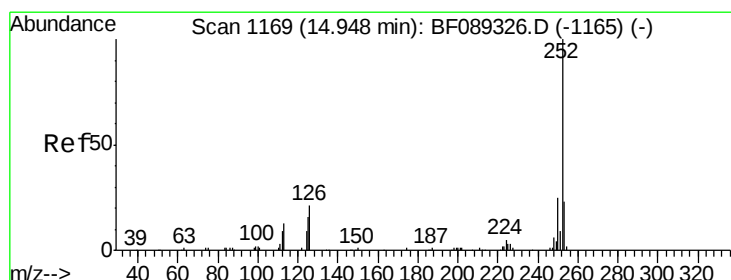
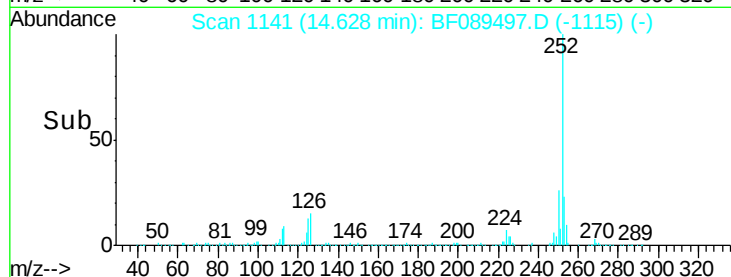
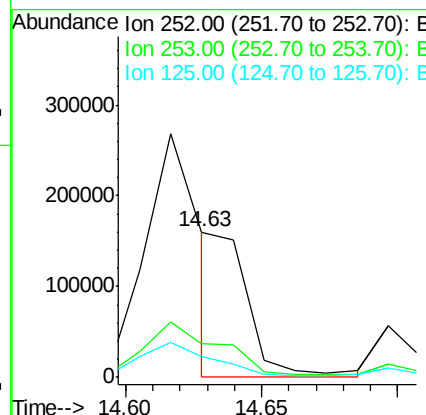
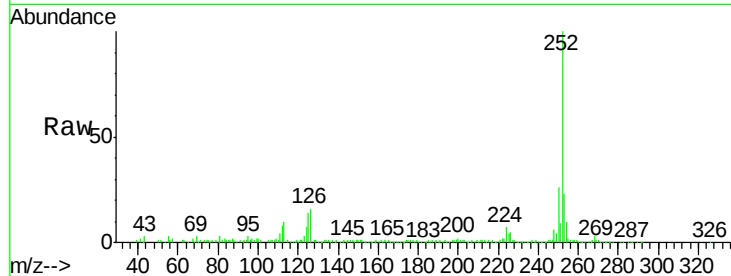
#88
Benzo(k)fluoranthene
Concen: 28.90 ng m
RT: 14.63 min Scan# 1141
Delta R.T. -0.00 min
Lab File: BF089497.D
Acq: 1 Aug 2016 6:00

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	14.2	10.7	16.1

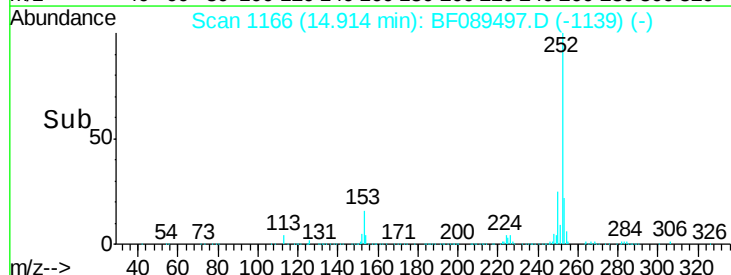
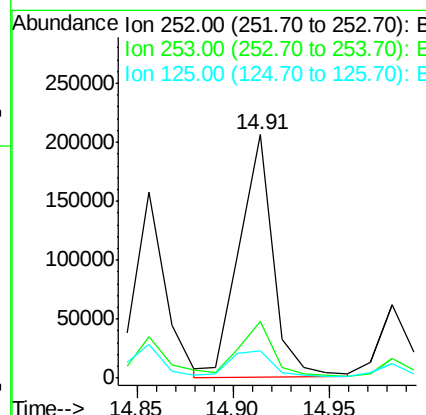
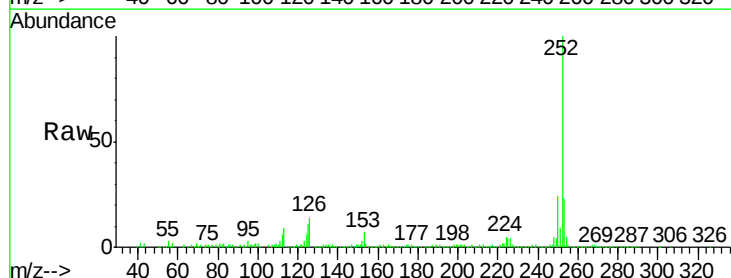
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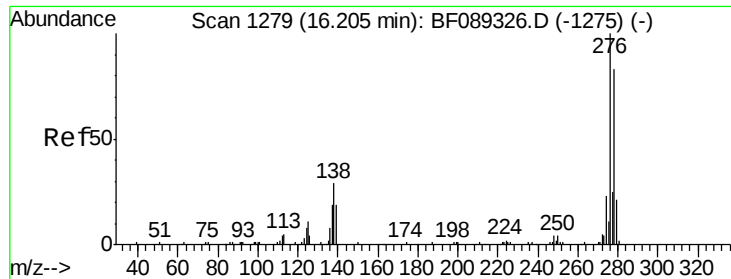
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#89
Benzo(a)pyrene
Concen: 56.20 ng m
RT: 14.91 min Scan# 1166
Delta R.T. 0.01 min
Lab File: BF089497.D
Acq: 1 Aug 2016 6:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	11.1	12.4	18.6#





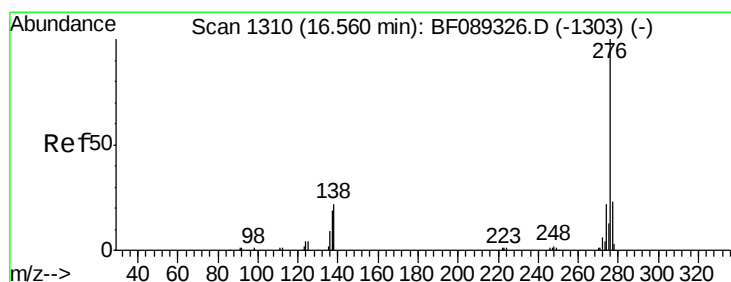
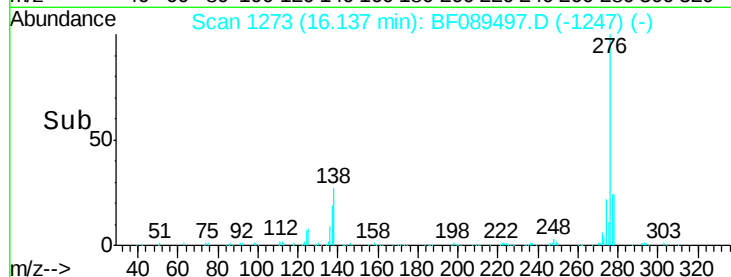
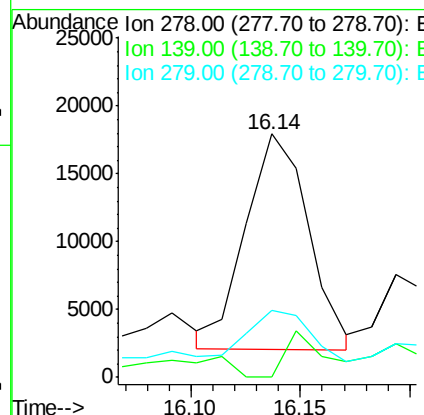
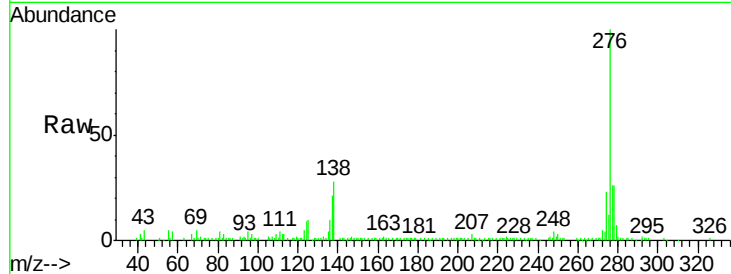
#90
Dibenzo(a,h)anthracene
Concen: 9.16 ng/mL
RT: 16.14 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BF089497.D
Acq: 1 Aug 2016 6:00

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.3	24.5#
279	27.4	19.1	28.7

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#91
Benzo(g,h,i)perylene
Concen: 36.95 ng/mL
RT: 16.49 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BF089497.D
Acq: 1 Aug 2016 6:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	25.9	21.4	32.0

