

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089443.D
 Acq On : 30 Jul 2016 8:10
 Operator : UM/SJ
 Sample : H4215-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Manual Integrations
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Quant Time: Aug 01 01:21:53 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	6.51	152	46133	20.00	ng	-0.03
21) Naphthalene-d8	7.80	136	174930	20.00	ng	-0.02
38) Acenaphthene-d10	9.54	164	74624	20.00	ng	-0.03
63) Phenanthrene-d10	11.02	188	116636	20.00	ng	-0.03
75) Chrysene-d12	13.65	240	98618	20.00	ng	-0.02
86) Perylene-d12	14.98	264	91446	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	203509	70.44	ng	-0.02
7) Phenol-d6	6.17	99	282906	74.09	ng	-0.03
23) Nitrobenzene-d5	7.08	82	189730	64.02	ng	-0.03
41) 2,4,6-Tribromophenol	10.33	330	41486	67.12	ng	-0.03
44) 2-Fluorobiphenyl	8.88	172	340228	66.91	ng	-0.03
78) Terphenyl-d14	12.59	244	202199	47.99	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.28	163	64103	11.29	ng	99
57) Fluorene	10.09	166	10875	2.08	ng	# 98
70) Phenanthrene	11.04	178	239630	39.84	ng	99
71) Anthracene	11.08	178	79603	11.90	ng	99
72) Carbazole	11.26	167	15984	2.84	ng	97
74) Fluoranthene	12.23	202	723905	114.40	ng	98
77) Pyrene	12.45	202	556158	74.41	ng	98
80) Benzo(a)anthracene	13.63	228	362104	65.06	ng	97
82) Chrysene	13.67	228	318190m	53.71	ng	
85) Indeno(1,2,3-cd)pyrene	16.17	276	147927	35.12	ng	99
87) Benzo(b)fluoranthene	14.64	252	507153m	89.30	ng	
88) Benzo(k)fluoranthene	14.65	252	60834m	11.65	ng	
89) Benzo(a)pyrene	14.93	252	266951	52.40	ng	96
90) Dibenzo(a,h)anthracene	16.17	278	34802m	8.67	ng	
91) Benzo(g,h,i)perylene	16.51	276	128898	32.67	ng	99

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

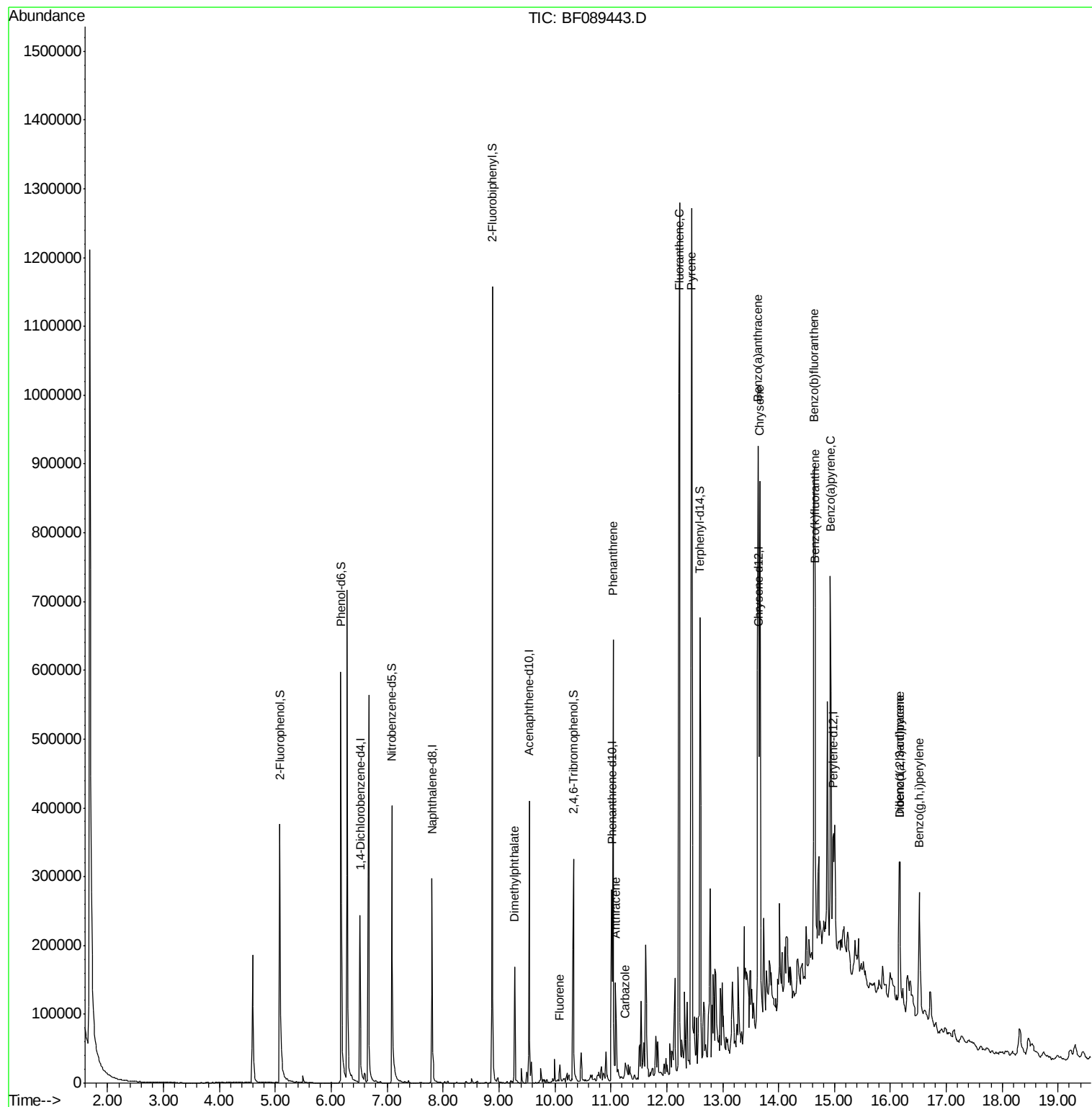
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
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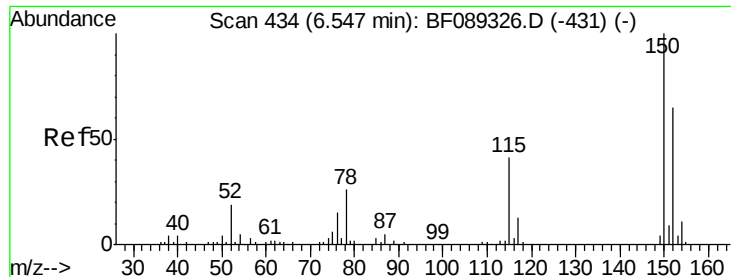
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QLast Update : Thu Jul 28 16:02:32 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.03 min

Lab File: BF089443.D

Acq: 30 Jul 2016 8:10

Instrument :

BNA_F

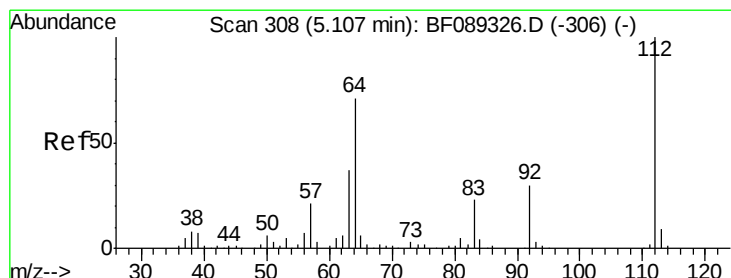
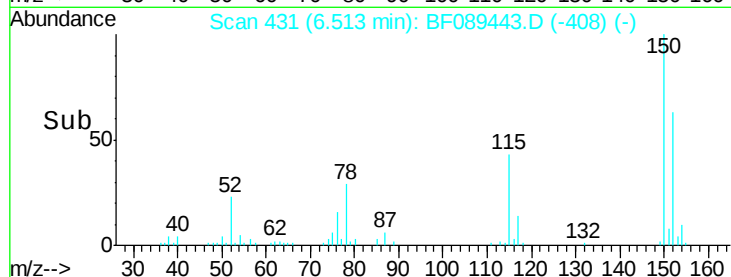
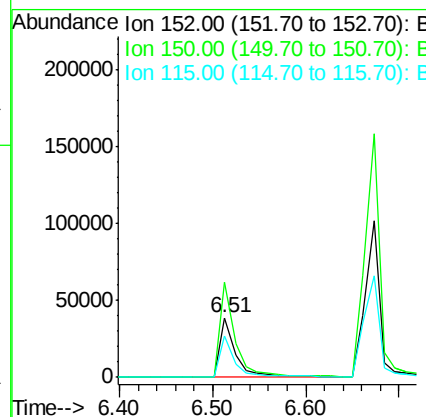
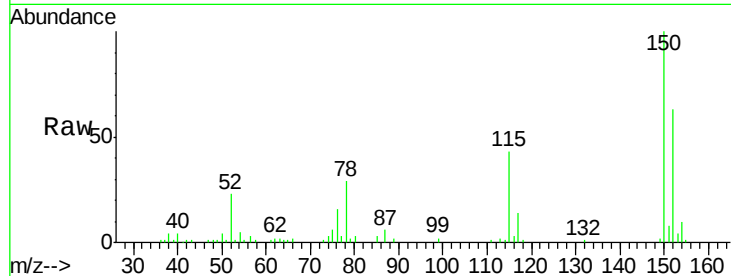
ClientSampleId :

SB-13-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.9	129.5	194.3
115	68.6	51.4	77.2

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#5

2-Fluorophenol

Concen: 70.44 ng

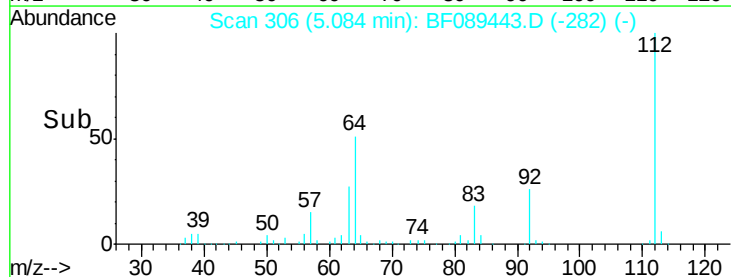
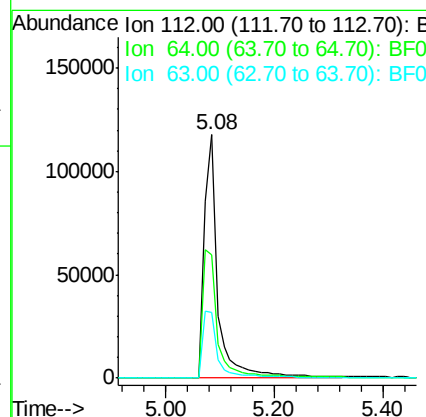
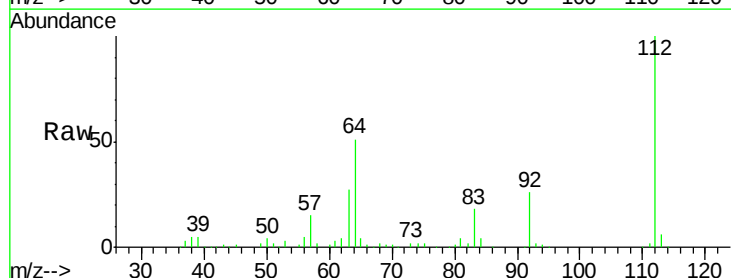
RT: 5.08 min Scan# 306

Delta R.T. -0.02 min

Lab File: BF089443.D

Acq: 30 Jul 2016 8:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.6	55.0	82.6#
63	27.1	29.4	44.2#





#7

Phenol-d6

Concen: 74.09 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.03 min

Lab File: BF089443.D

Acq: 30 Jul 2016 8:10

Instrument :

BNA_F

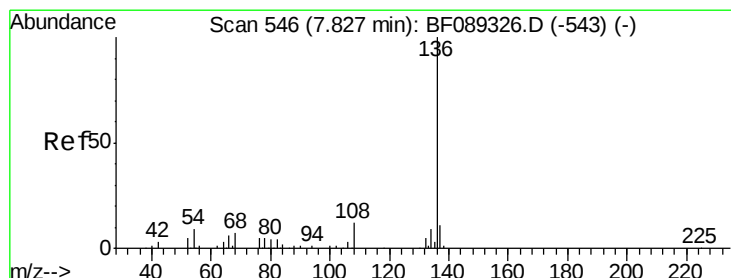
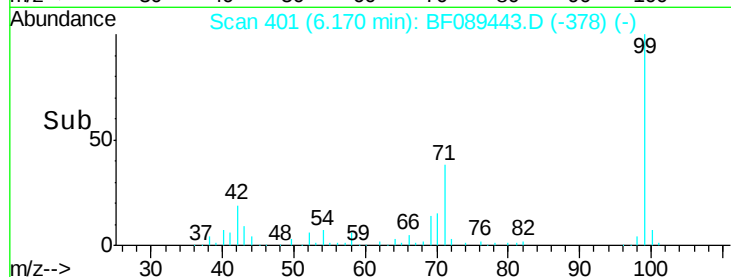
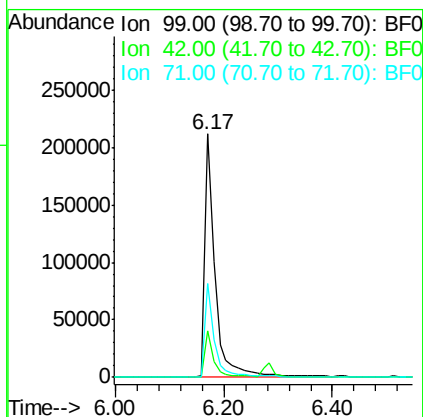
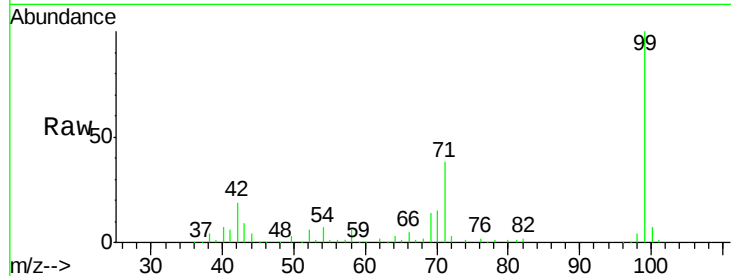
ClientSampleId :

SB-13-COMP

Tgt Ion:	99	Resp:	282906
Ion Ratio	Lower	Upper	
99	100		
42	18.9	13.6	20.4
71	38.3	29.4	44.2

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#21

Naphthalene-d8

Concen: 20.00 ng

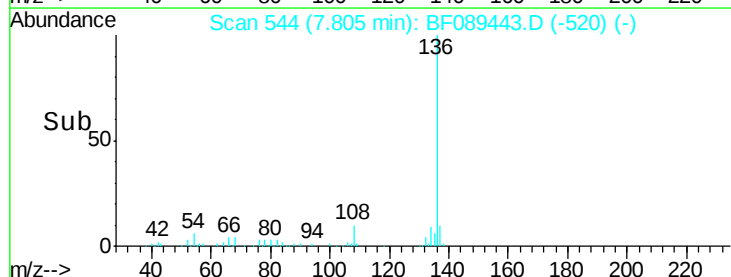
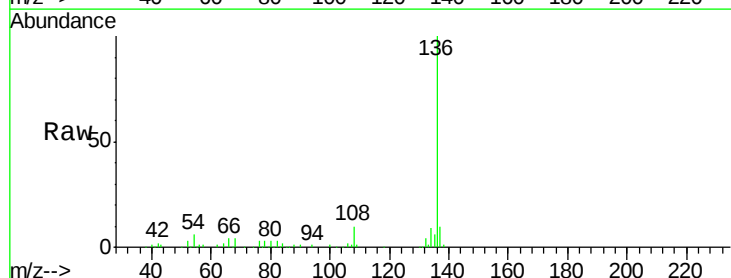
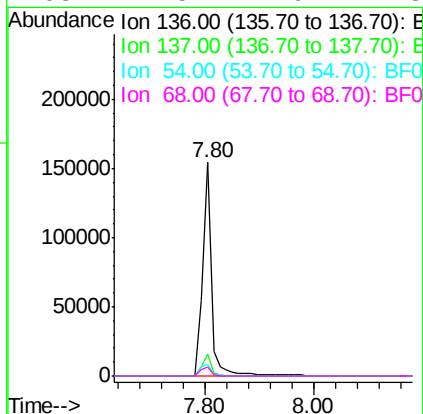
RT: 7.80 min Scan# 544

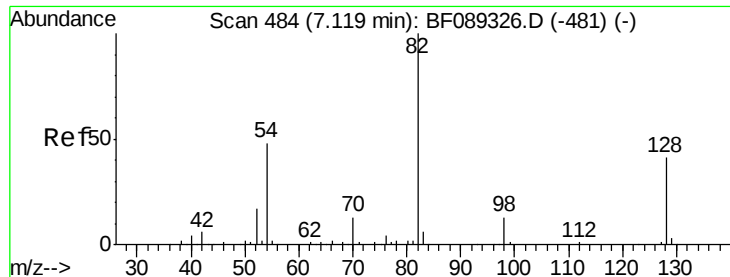
Delta R.T. -0.02 min

Lab File: BF089443.D

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Tgt Ion:	136	Resp:	174930
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.6	13.0
54	5.6	7.0	10.4#
68	4.5	4.9	7.3#





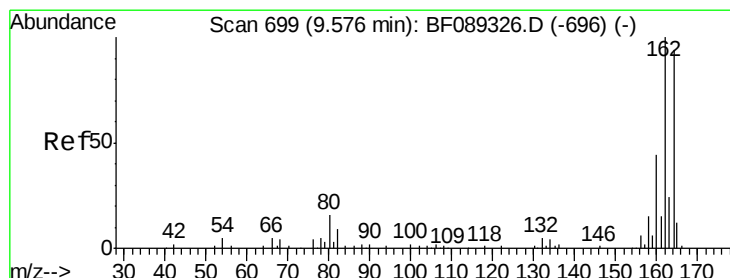
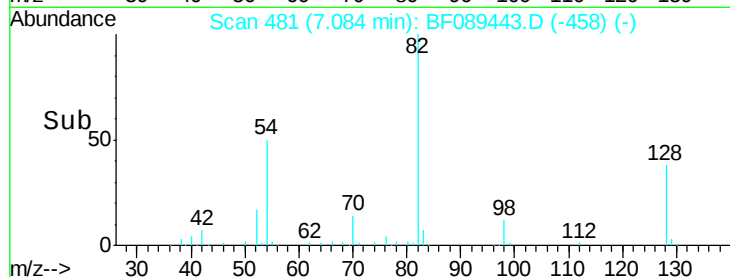
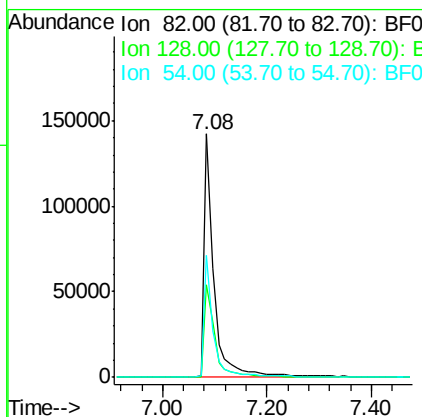
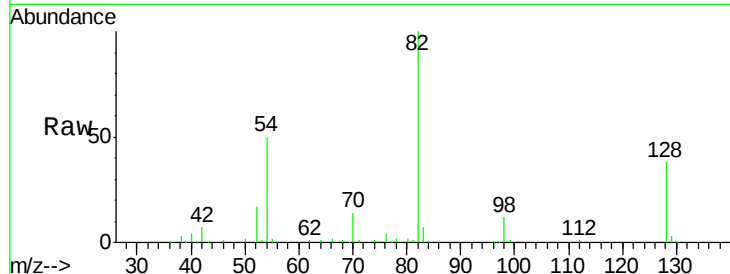
#23
 Nitrobenzene-d5
 Concen: 64.02 ng
 RT: 7.08 min Scan# 481
 Delta R.T. -0.03 min
 Lab File: BF089443.D
 Acq: 30 Jul 2016 8:10

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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	189730		
128	37.9	32.5	48.7	
54	50.3	38.8	58.2	

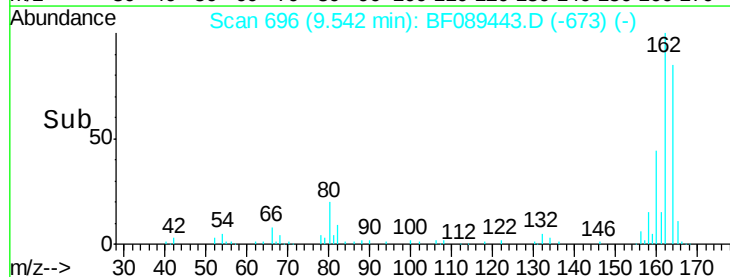
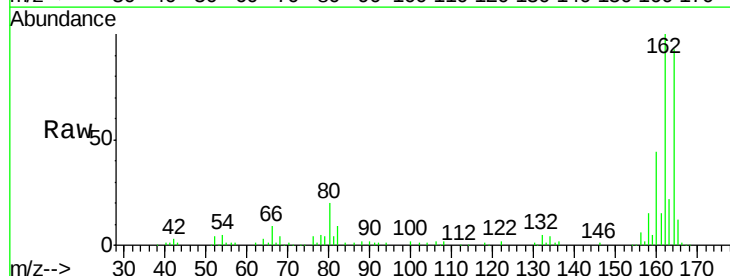
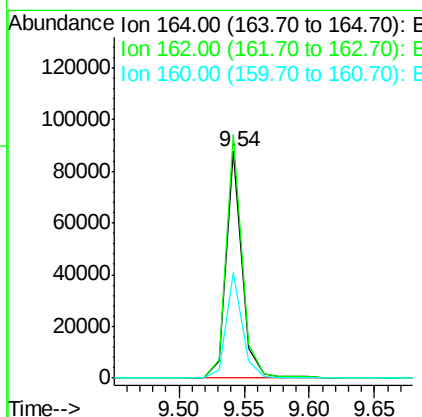
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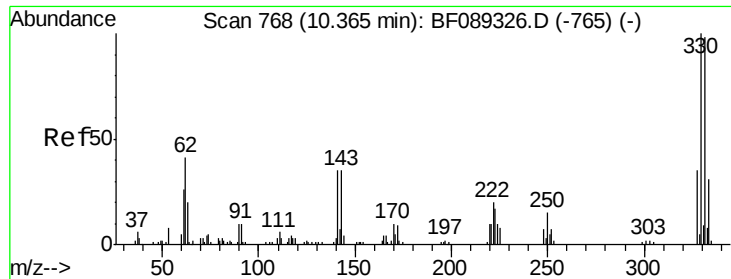
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.03 min
 Lab File: BF089443.D
 Acq: 30 Jul 2016 8:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74624		
162	107.3	83.7	125.5	
160	46.7	37.8	56.6	





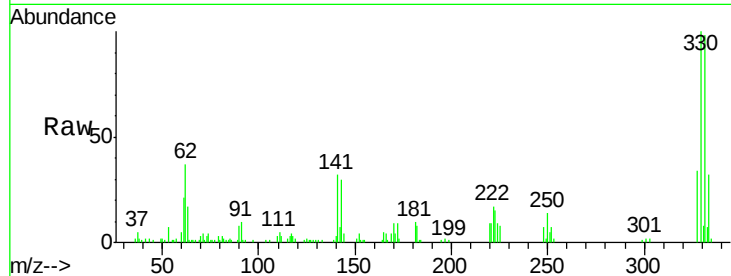
#41
 2,4,6-Tribromophenol
 Concen: 67.12 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.03 min
 Lab File: BF089443.D
 Acq: 30 Jul 2016 8:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

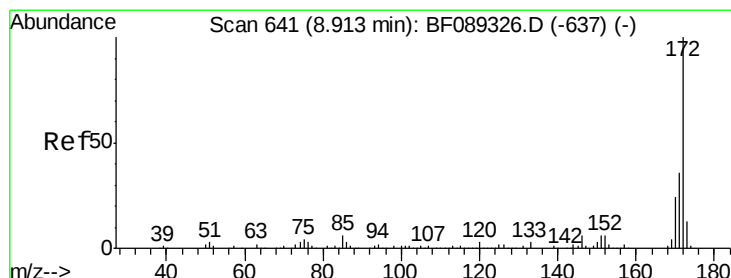
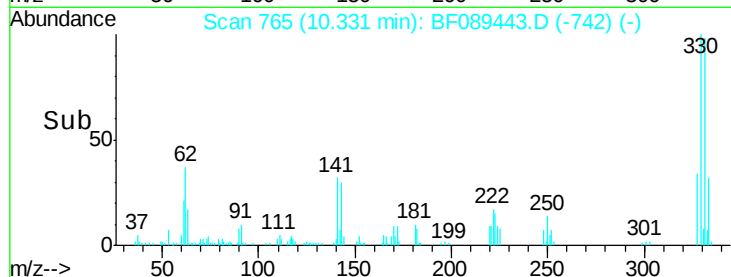
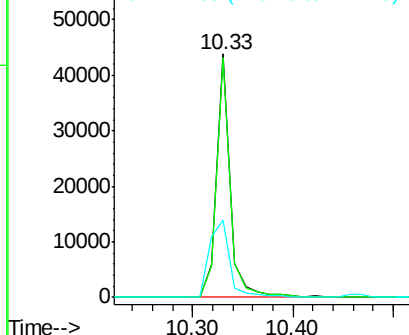
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.8	115.2
141	47.2	37.3	55.9

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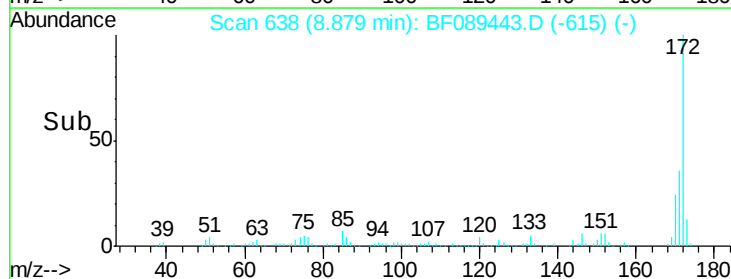
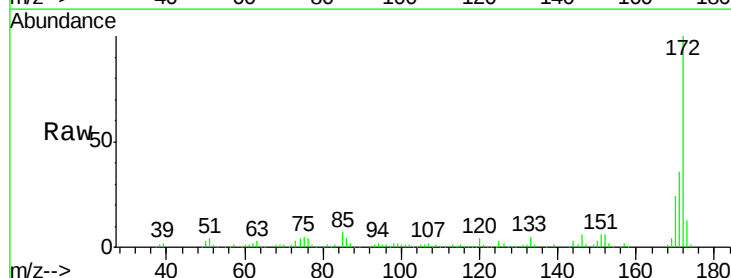
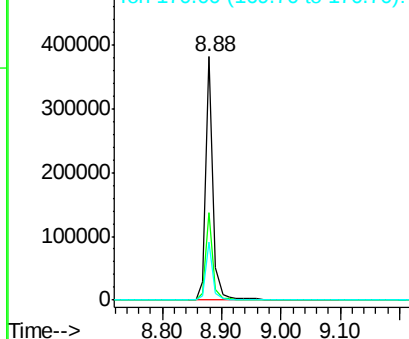
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

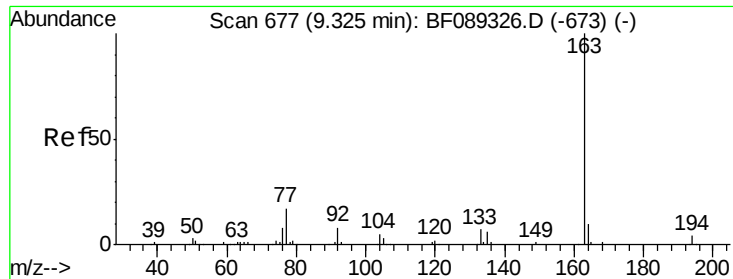


#44
 2-Fluorobiphenyl
 Concen: 66.91 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.03 min
 Lab File: BF089443.D
 Acq: 30 Jul 2016 8:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	23.8	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





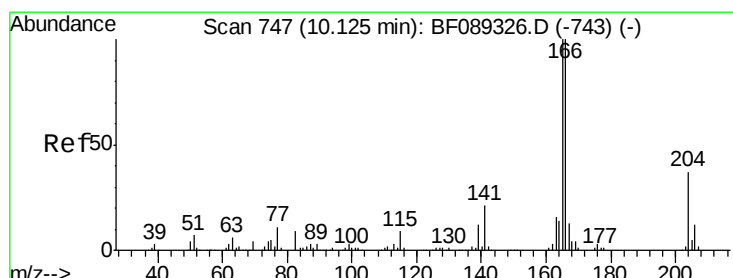
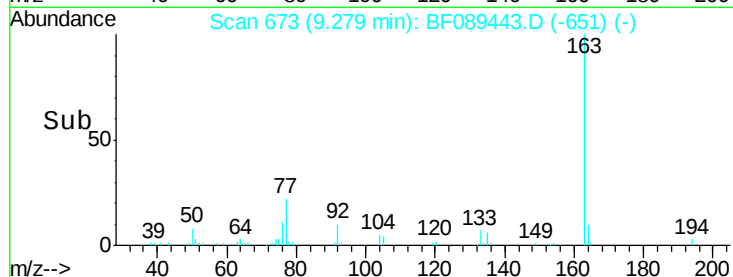
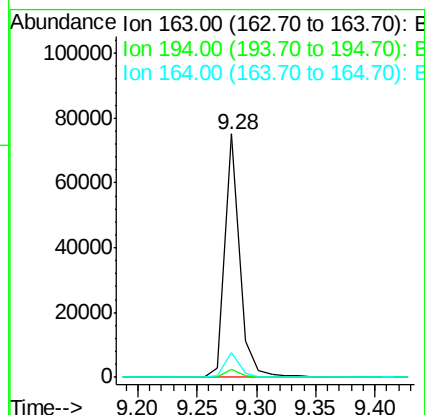
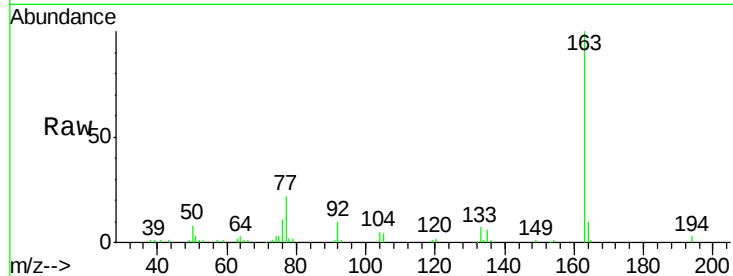
#49
Dimethylphthalate
Concen: 11.29 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	64103		
194	3.3		2.8	4.2
164	10.2		7.8	11.8

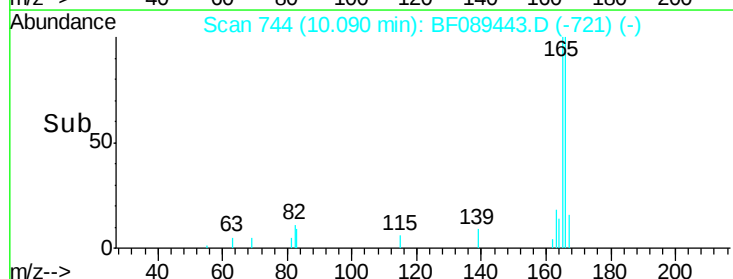
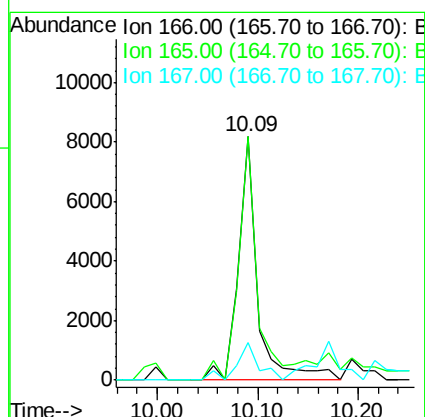
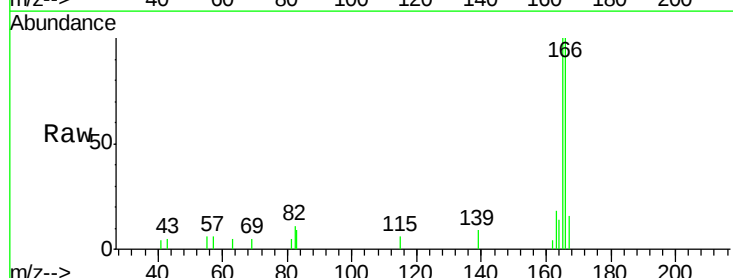
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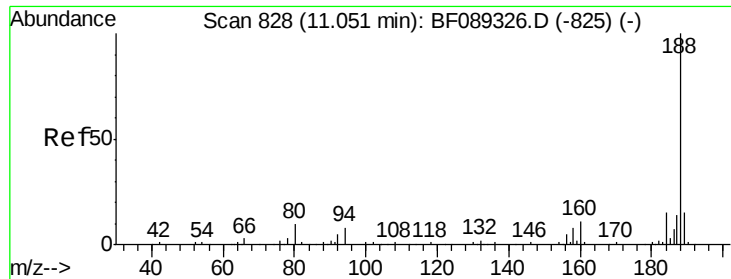
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#57
Fluorene
Concen: 2.08 ng
RT: 10.09 min Scan# 744
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	10875		
165	99.8		79.0	118.4
167	15.5		10.2	15.2#





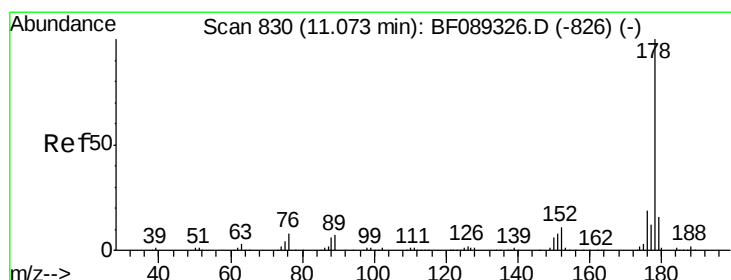
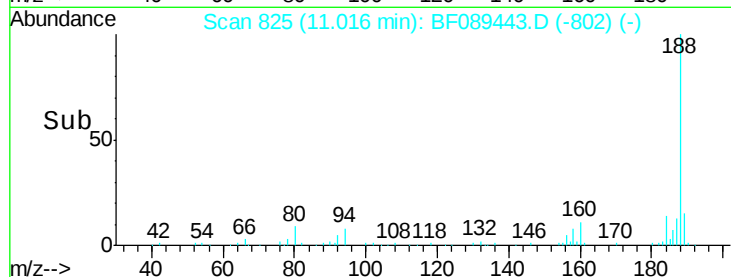
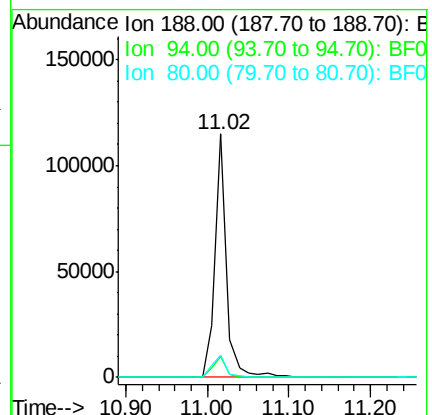
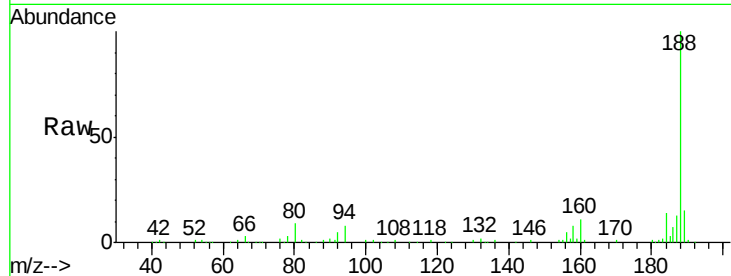
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	116636		
94	8.4	6.5	9.7	
80	9.0	7.2	10.8	

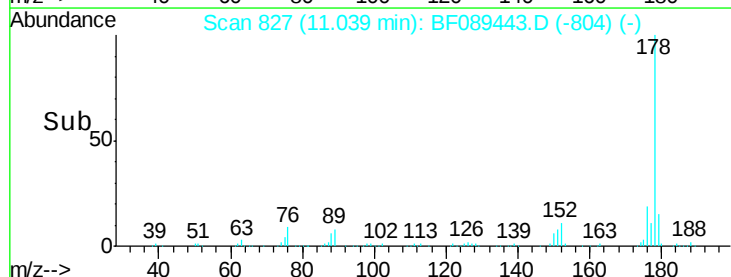
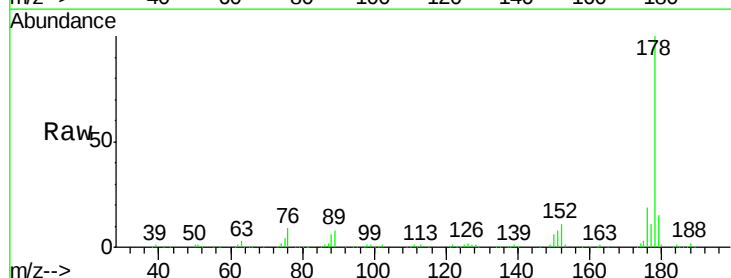
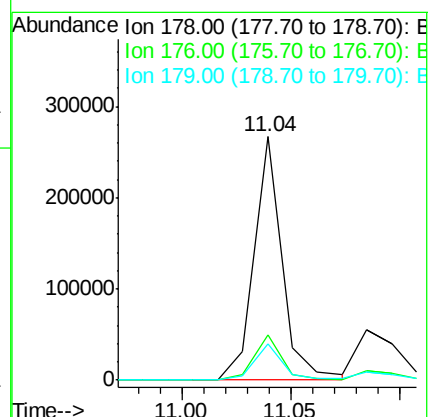
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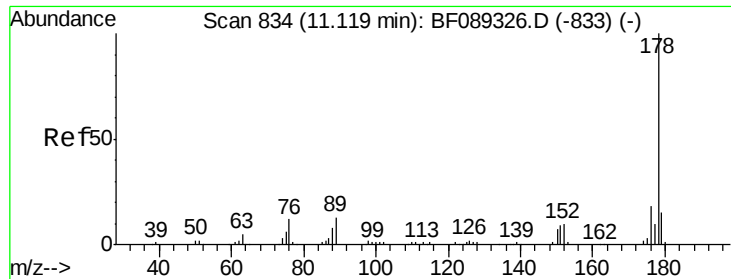
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#70
Phenanthrene
Concen: 39.84 ng
RT: 11.04 min Scan# 827
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	239630		
176	18.8	15.5	23.3	
179	15.1	12.3	18.5	





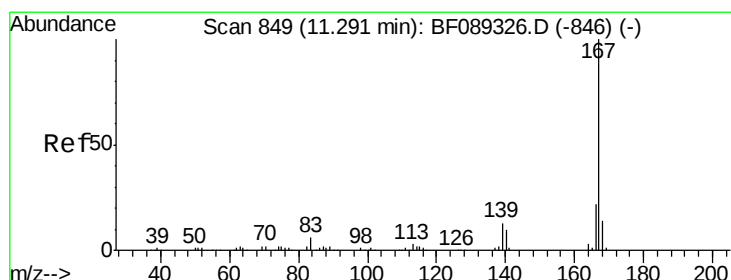
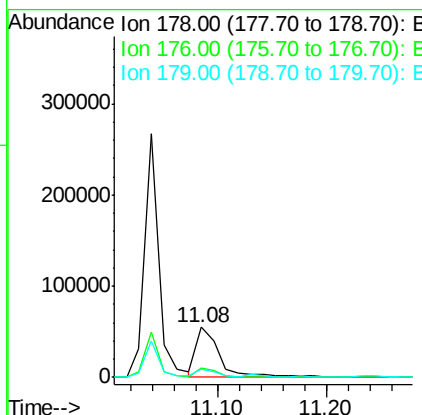
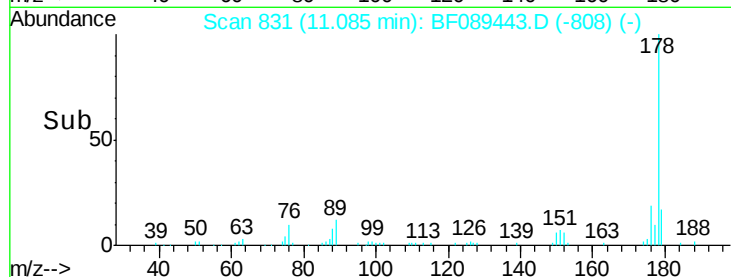
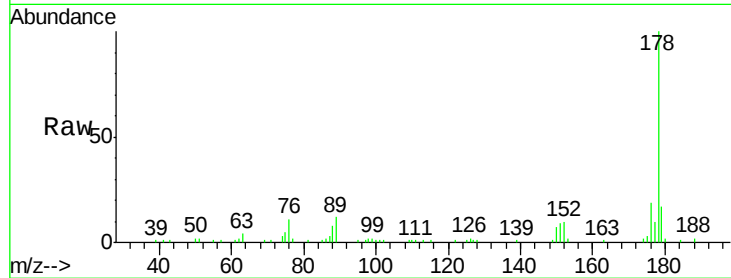
#71
 Anthracene
 Concen: 11.90 ng
 RT: 11.08 min Scan# 831
 Delta R.T. -0.03 min
 Lab File: BF089443.D
 Acq: 30 Jul 2016 8:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	16.5	12.6	18.8

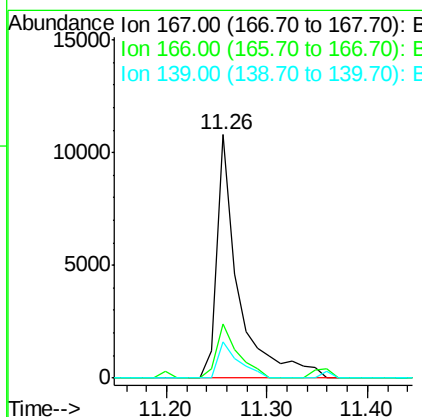
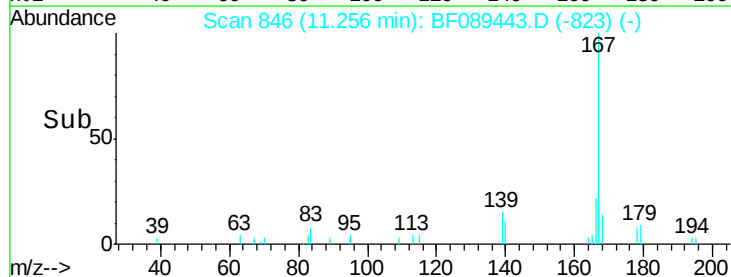
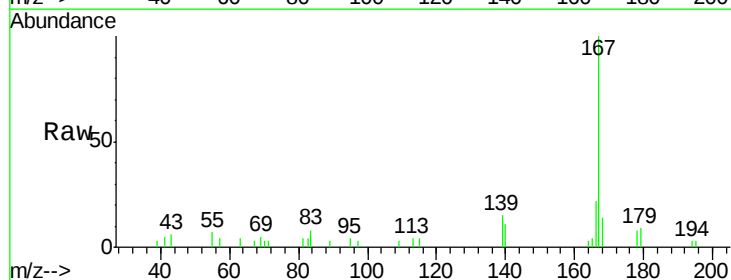
Manual Integrations
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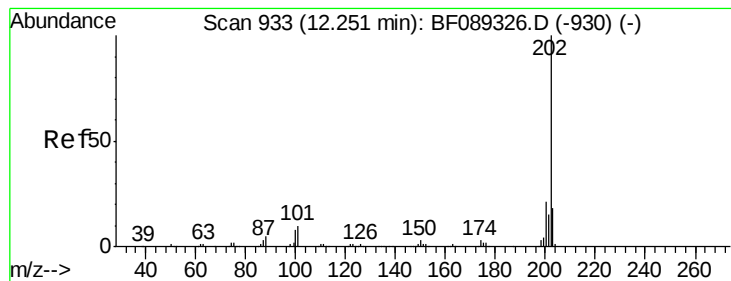
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#72
 Carbazole
 Concen: 2.84 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.03 min
 Lab File: BF089443.D
 Acq: 30 Jul 2016 8:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	14.9	10.1	15.1





#74

Fluoranthene

Concen: 114.40 ng

RT: 12.23 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF089443.D

Acq: 30 Jul 2016 8:10

Instrument :

BNA_F

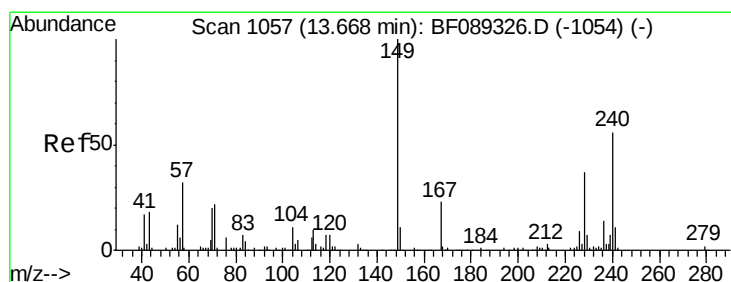
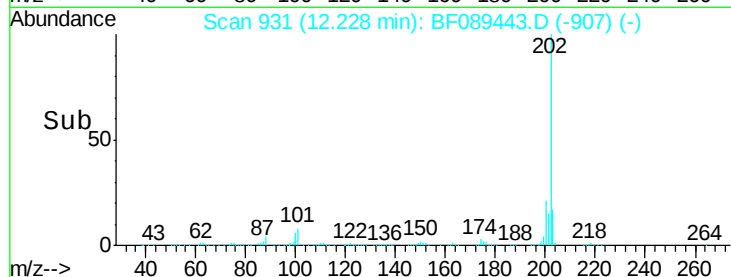
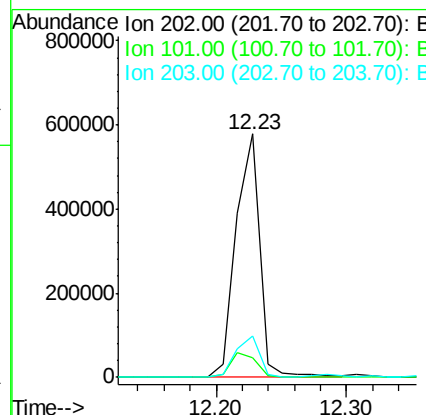
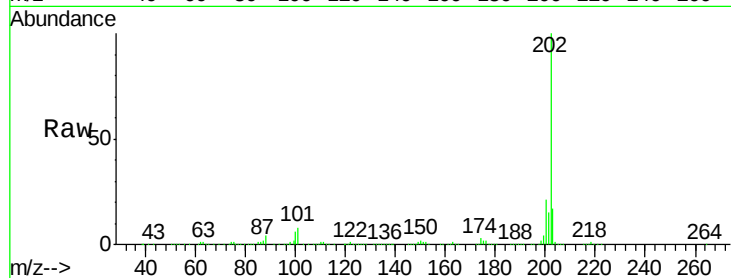
ClientSampleId :

SB-13-COMP

Tgt	Ion	202	Resp:	723905
	Ion	Ratio	Lower	Upper
	202	100		
	101	8.2	0.0	29.9
	203	17.1	0.0	37.3

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#75

Chrysene-d12

Concen: 20.00 ng

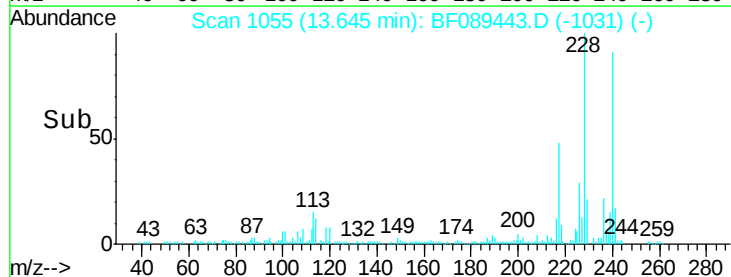
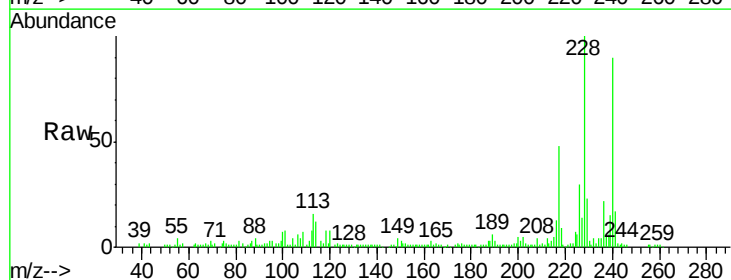
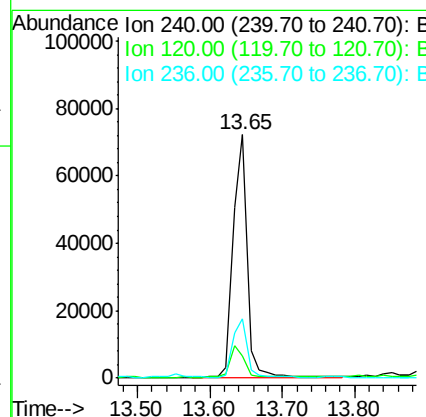
RT: 13.65 min Scan# 1055

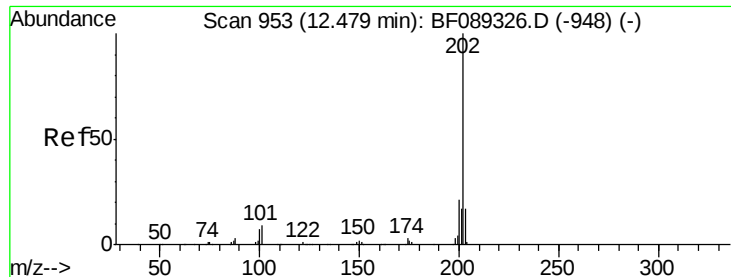
Delta R.T. -0.02 min

Lab File: BF089443.D

Acq: 30 Jul 2016 8:10

Tgt	Ion	240	Resp:	98618
	Ion	Ratio	Lower	Upper
	240	100		
	120	9.0	9.1	13.7#
	236	24.4	20.6	30.8





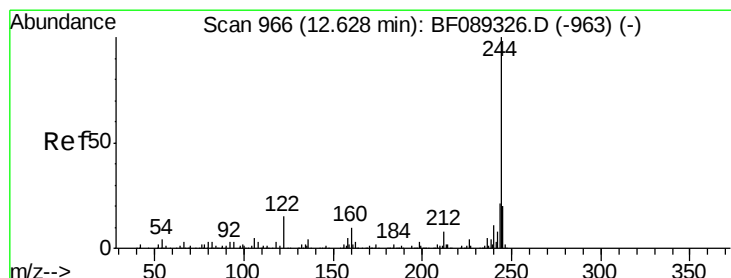
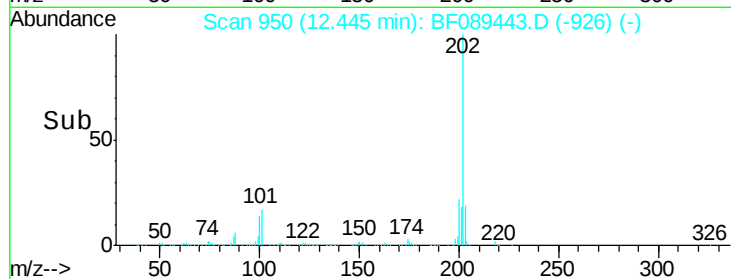
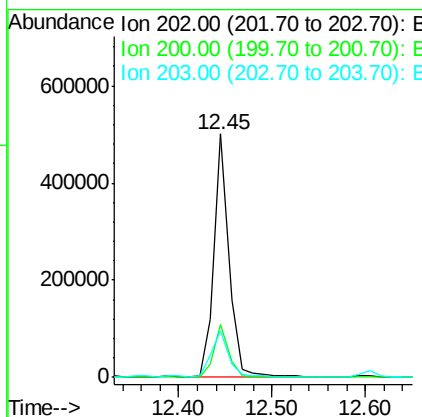
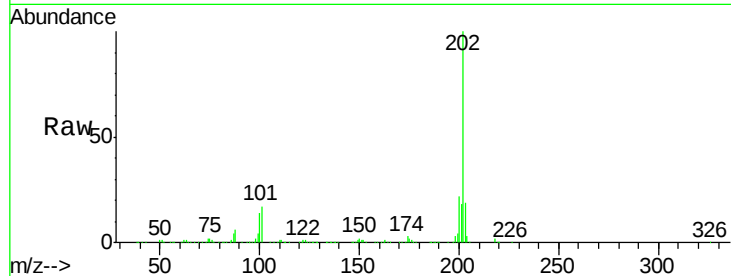
#77
 Pyrene
 Concen: 74.41 ng
 RT: 12.45 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF089443.D
 Acq: 30 Jul 2016 8:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.8	16.9	25.3
203	19.0	14.0	21.0

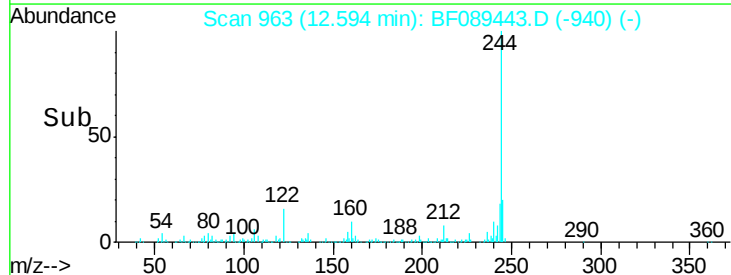
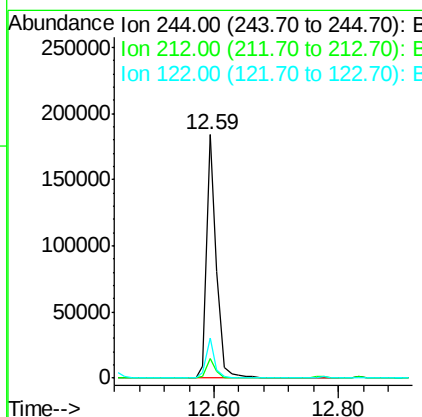
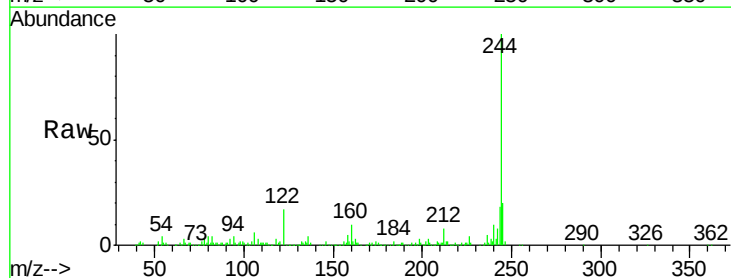
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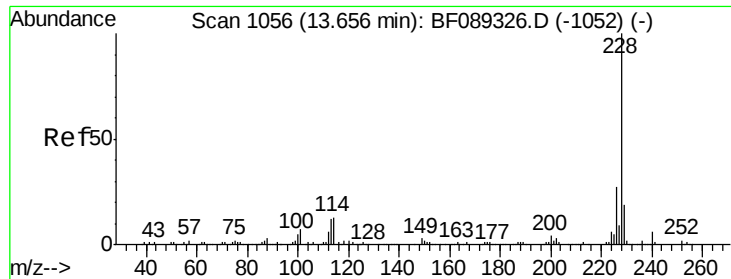
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#78
 Terphenyl-d14
 Concen: 47.99 ng
 RT: 12.59 min Scan# 963
 Delta R.T. -0.03 min
 Lab File: BF089443.D
 Acq: 30 Jul 2016 8:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.2	6.5	9.7
122	16.6	11.4	17.0





#80

Benzo(a)anthracene

Concen: 65.06 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BF089443.D

Acq: 30 Jul 2016 8:10

Instrument :

BNA_F

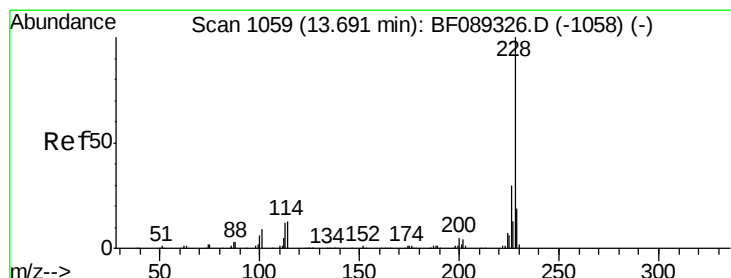
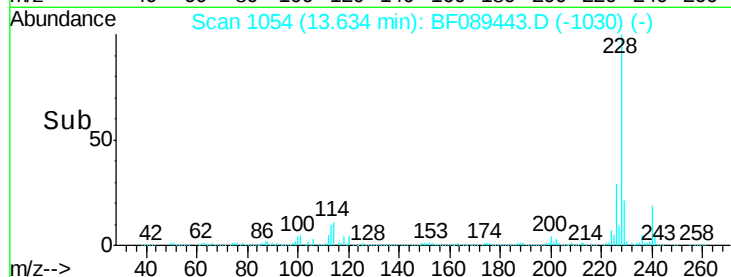
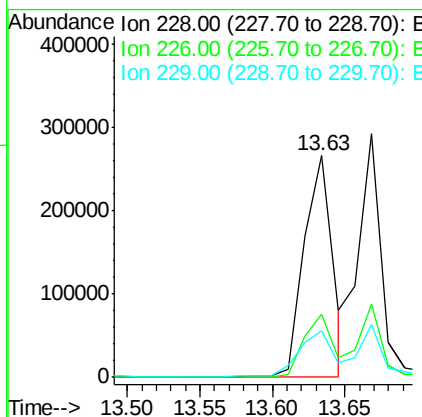
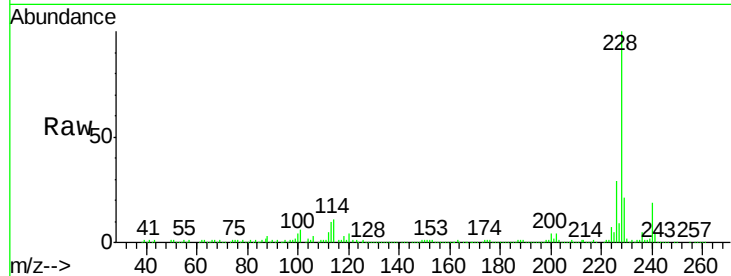
ClientSampleId :

SB-13-COMP

Tgt	Ion:228	Resp:	362104
Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.4	32.2
229	20.9	15.9	23.9

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#82

Chrysene

Concen: 53.71 ng m

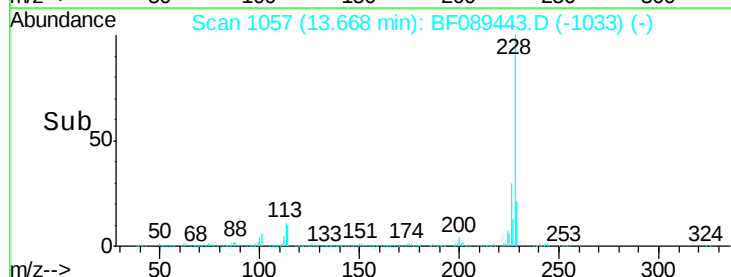
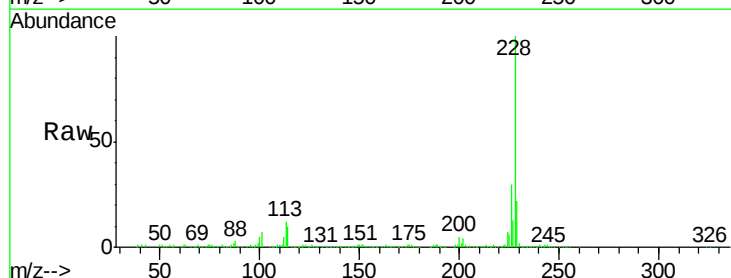
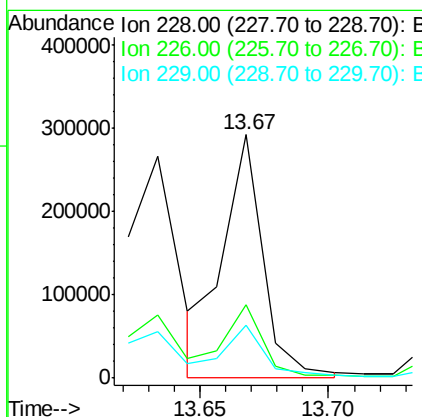
RT: 13.67 min Scan# 1057

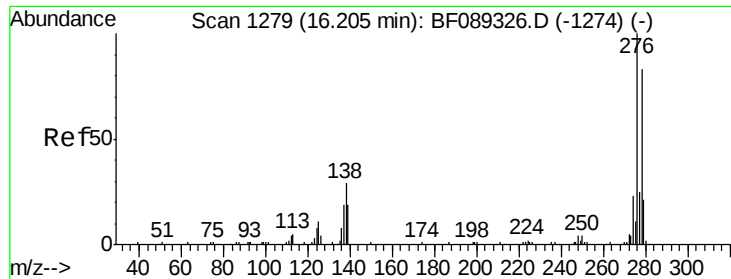
Delta R.T. -0.02 min

Lab File: BF089443.D

Acq: 30 Jul 2016 8:10

Tgt	Ion:228	Resp:	318190
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	21.8	15.9	23.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 35.12 ng

RT: 16.17 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF089443.D

Acq: 30 Jul 2016 8:10

Instrument :

BNA_F

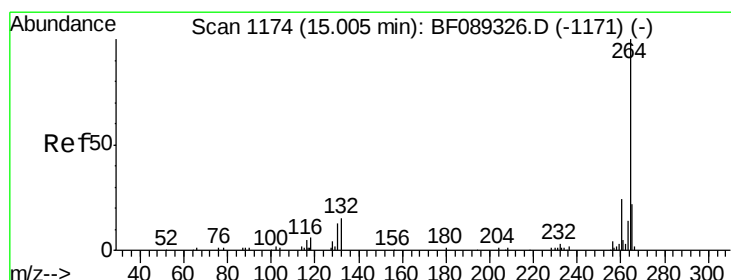
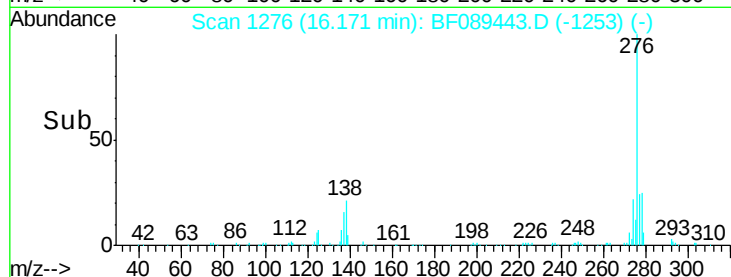
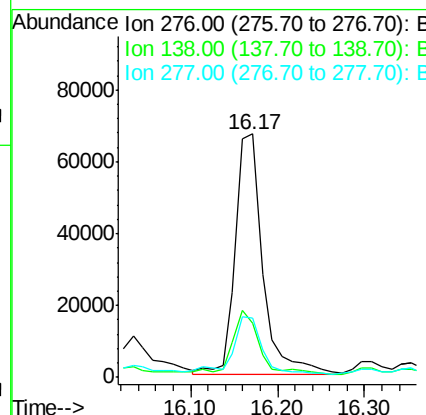
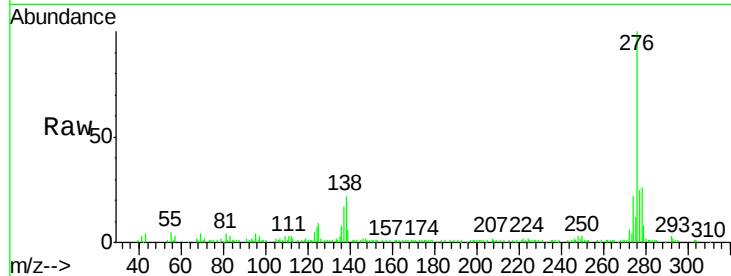
ClientSampleId :

SB-13-COMP

Tgt Ion:	276	Resp:	147927
Ion Ratio		Lower	Upper
276	100		
138	27.7	23.0	34.4
277	25.9	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

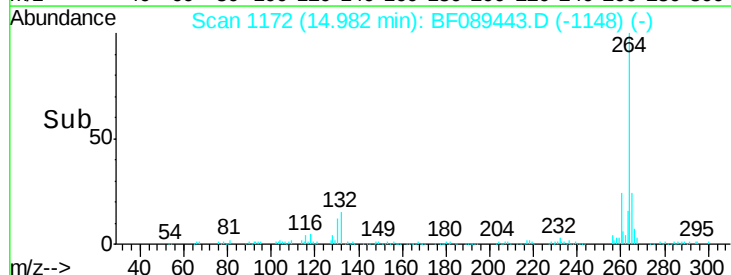
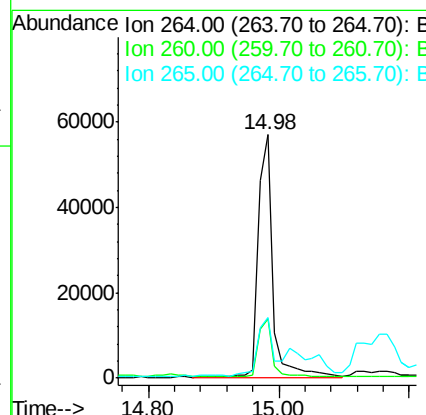
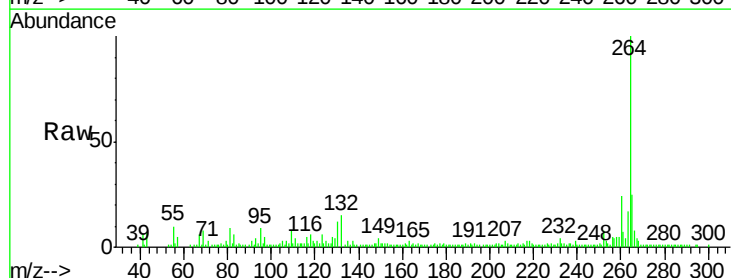
RT: 14.98 min Scan# 1172

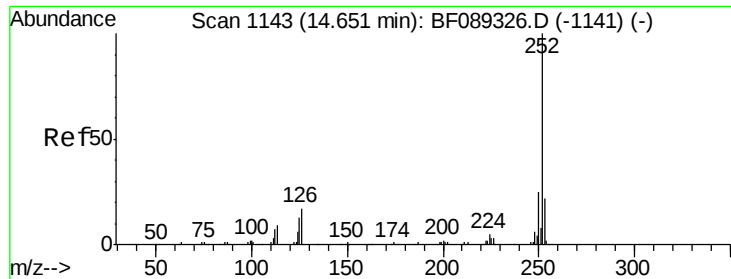
Delta R.T. -0.02 min

Lab File: BF089443.D

Acq: 30 Jul 2016 8:10

Tgt Ion:	264	Resp:	91446
Ion Ratio		Lower	Upper
264	100		
260	24.3	19.0	28.4
265	24.7	17.5	26.3





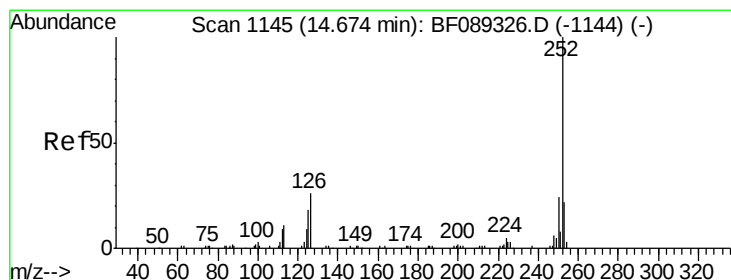
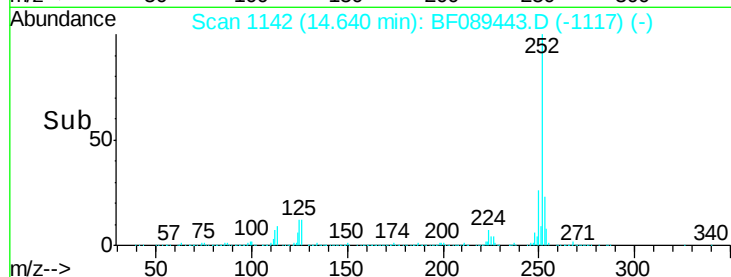
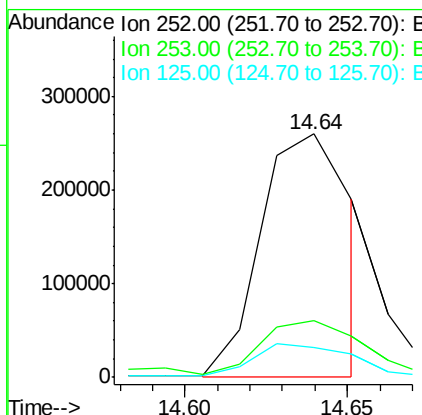
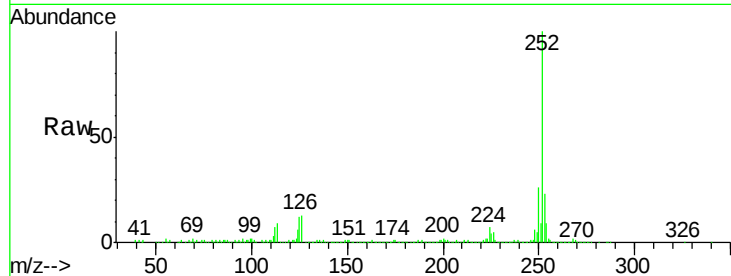
#87
Benzo(b)fluoranthene
Concen: 89.30 ng m
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	12.3	9.7	14.5

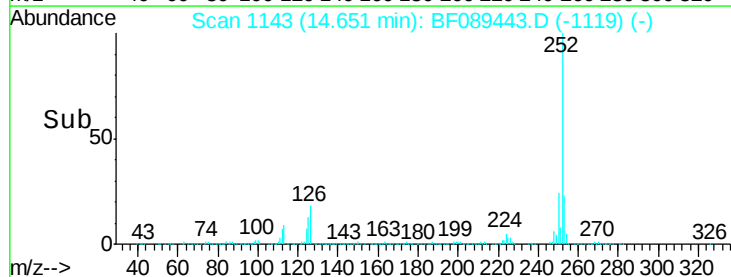
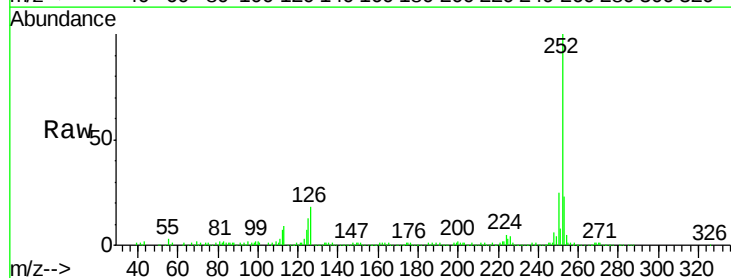
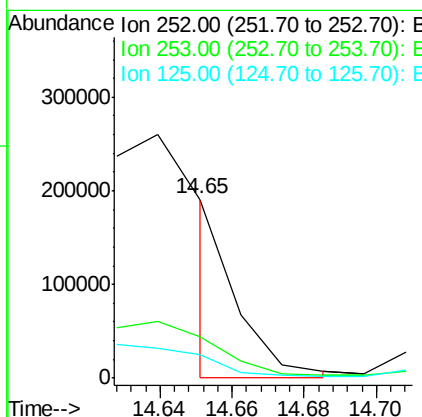
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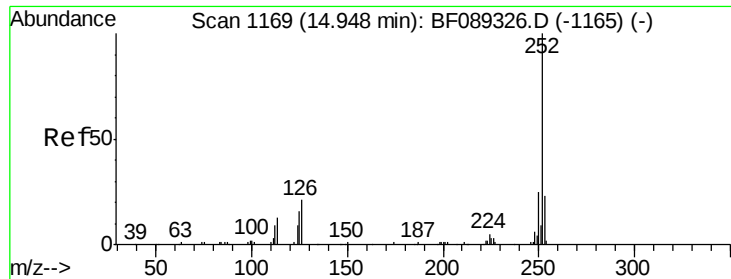
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#88
Benzo(k)fluoranthene
Concen: 11.65 ng m
RT: 14.65 min Scan# 1143
Delta R.T. -0.02 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	13.4	10.7	16.1





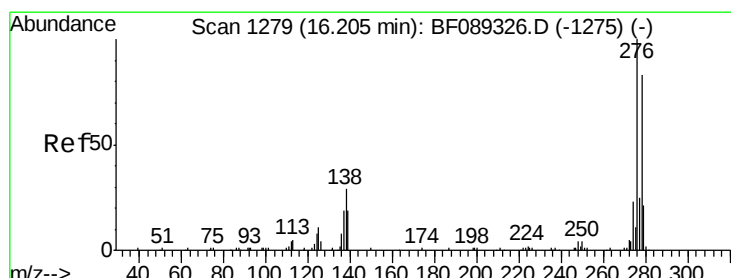
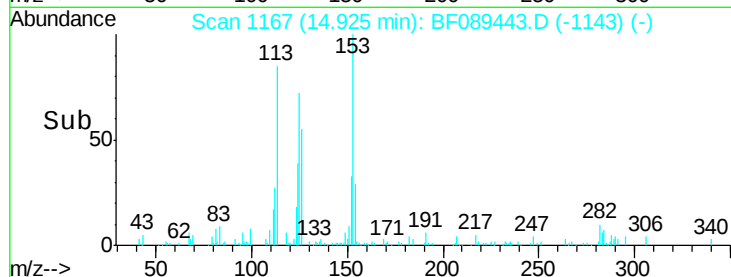
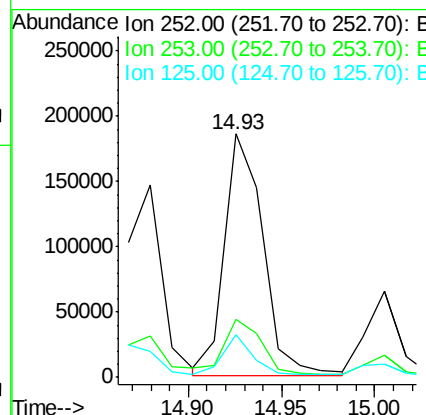
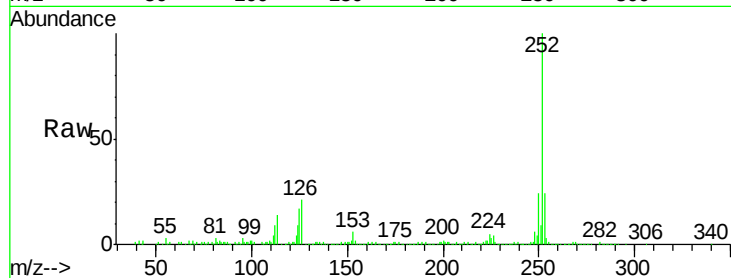
#89
Benzo(a)pyrene
Concen: 52.40 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	266951		
253	23.6	17.4	26.2	
125	17.4	12.4	18.6	

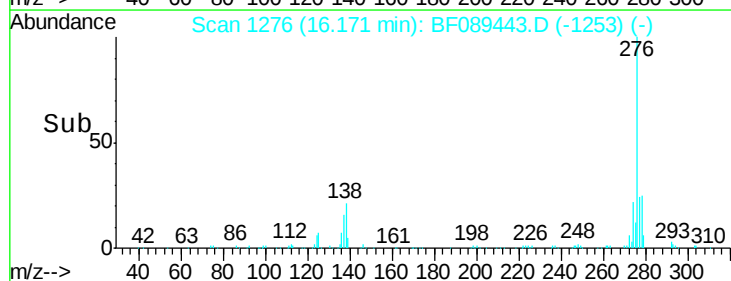
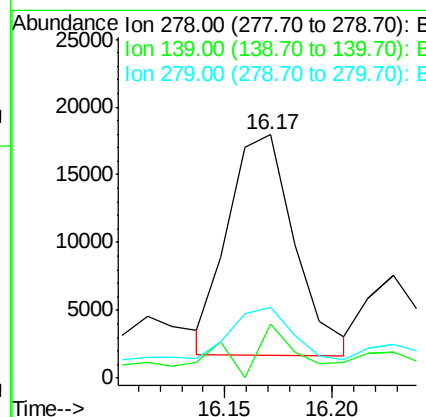
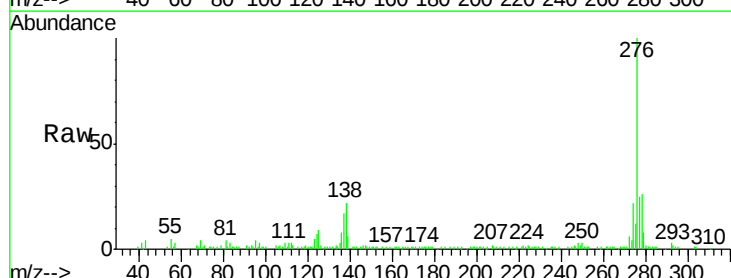
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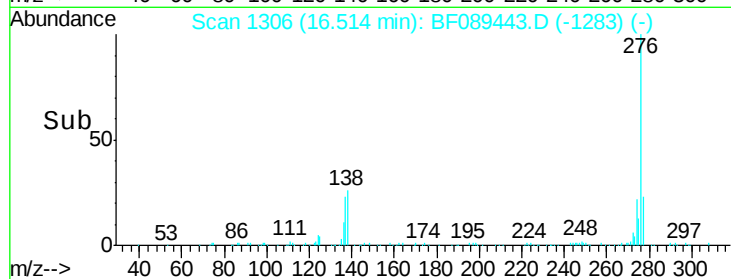
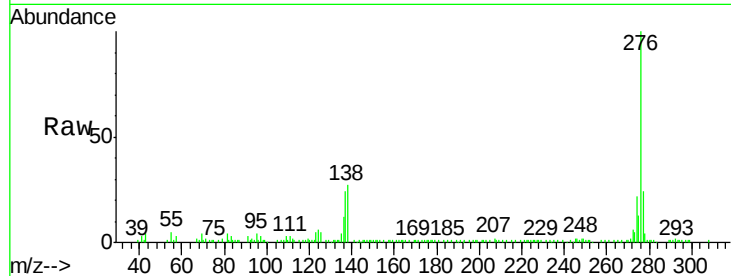
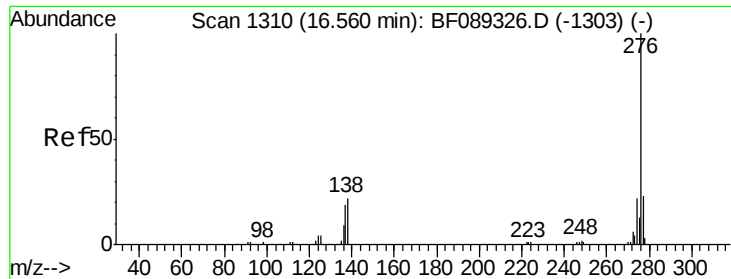
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#90
Dibenzo(a,h)anthracene
Concen: 8.67 ng m
RT: 16.17 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	34802		
139	22.4	16.3	24.5	
279	29.1	19.1	28.7#	





#91
 Benzo(g,h,i)perylene
 Concen: 32.67 ng
 RT: 16.51 min Scan# 1306
 Delta R.T. -0.03 min
 Lab File: BF089443.D
 Acq: 30 Jul 2016 8:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.8	18.6	28.0
138	26.7	21.4	32.0

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