

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
 Data File : BF089714.D
 Acq On : 11 Aug 2016 00:53
 Operator : UM/SJ
 Sample : H4400-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL3-BASE(66)

Manual Integrations
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Quant Time: Aug 11 02:25:53 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 11 01:52:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	45692	20.00	ng	0.00
21) Naphthalene-d8	9.43	136	183106	20.00	ng	-0.01
38) Acenaphthene-d10	12.25	164	73584	20.00	ng	-0.01
63) Phenanthrene-d10	14.65	188	110274	20.00	ng	0.00
75) Chrysene-d12	18.37	240	102806	20.00	ng	0.00
86) Perylene-d12	20.03	264	95859	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	319571	117.22	ng	0.01
7) Phenol-d6	6.97	99	434344	117.45	ng	0.00
23) Nitrobenzene-d5	8.32	82	249235	75.29	ng	-0.01
41) 2,4,6-Tribromophenol	13.55	330	52739	86.85	ng	0.00
44) 2-Fluorobiphenyl	11.21	172	375837	66.38	ng	-0.01
78) Terphenyl-d14	17.03	244	242450	46.56	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	12.02	152	16915	2.06	ng	98
49) Dimethylphthalate	11.90	163	95511	16.56	ng	97
57) Fluorene	13.14	166	15692	2.82	ng	# 95
70) Phenanthrene	14.69	178	246113	41.04	ng	99
71) Anthracene	14.78	178	56335	8.76	ng	97
72) Carbazole	15.07	167	25971	4.85	ng	# 93
74) Fluoranthene	16.47	202	403302	65.43	ng	100
77) Pyrene	16.77	202	373434	41.09	ng	# 93
80) Benzo(a)anthracene	18.35	228	198749	33.65	ng	97
82) Chrysene	18.40	228	171289	27.64	ng	98
83) Bis(2-ethylhexyl)phthalate	18.45	149	13716	2.56	ng	# 87
85) Indeno(1,2,3-cd)pyrene	21.22	276	73148	15.54	ng	94
87) Benzo(b)fluoranthene	19.63	252	196757m	33.37	ng	
88) Benzo(k)fluoranthene	19.65	252	84868m	14.27	ng	
89) Benzo(a)pyrene	19.98	252	140885	25.52	ng	# 93
90) Dibenzo(a,h)anthracene	21.22	278	20537	3.98	ng	# 80
91) Benzo(g,h,i)perylene	21.55	276	63520	12.03	ng	96

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

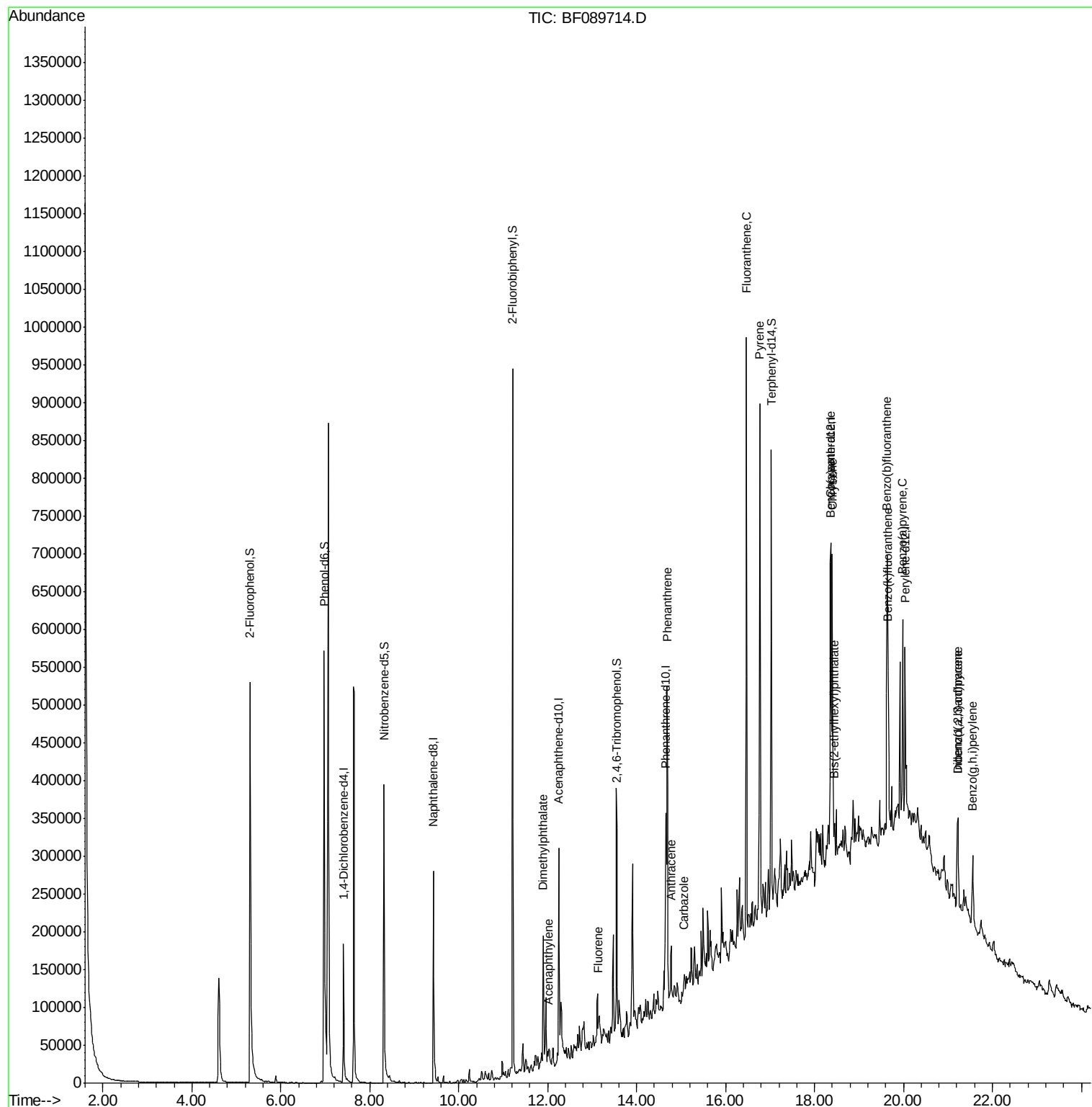
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089714.D
Acq On : 11 Aug 2016 00:53
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Sample : H4400-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

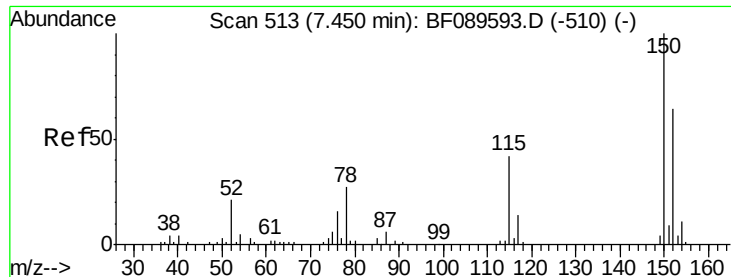
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#1

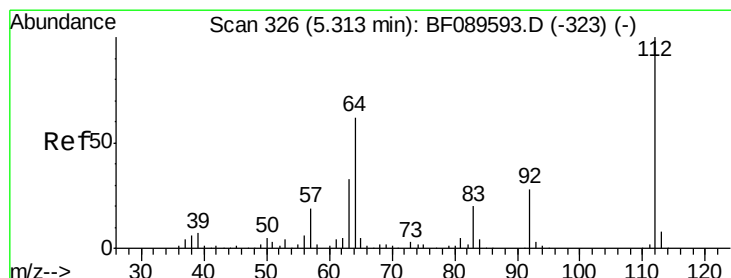
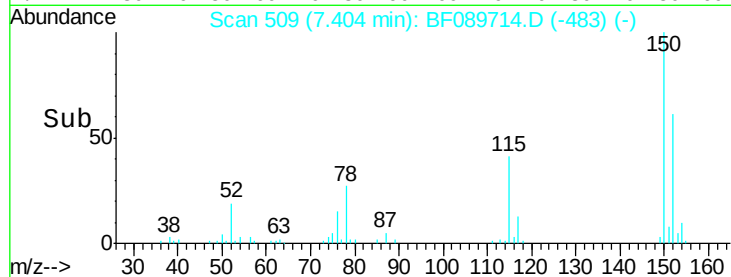
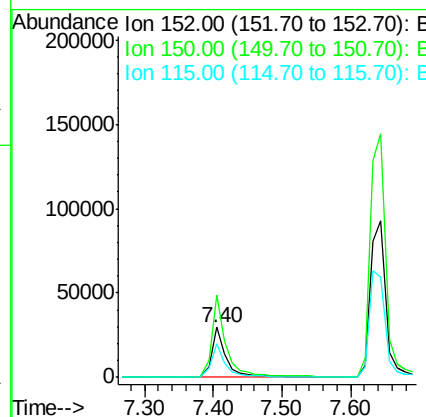
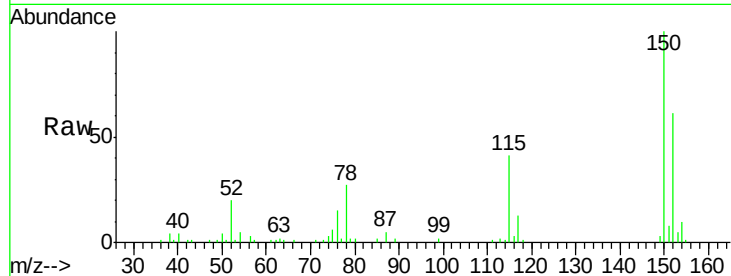
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.40 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF089714.D
Acq: 11 Aug 2016 00:53

Instrument :
BNA_F
ClientSampleId :
DEL3-BASE(66)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.8	125.5	188.3
115	67.5	52.0	78.0

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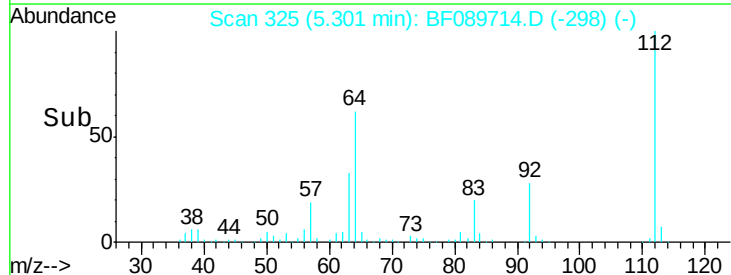
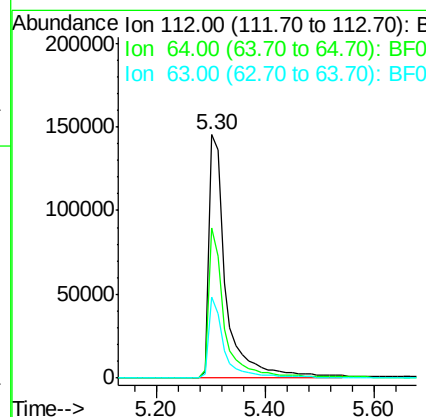
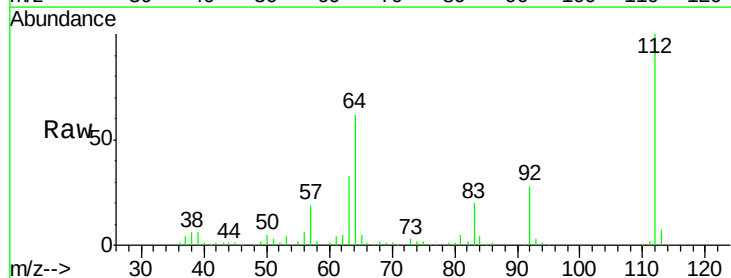
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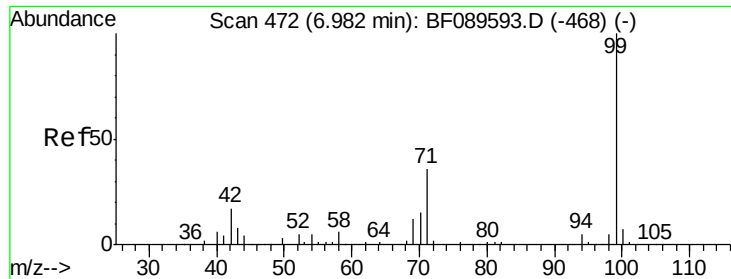


#5

2-Fluorophenol
Concen: 117.22 ng
RT: 5.30 min Scan# 325
Delta R.T. 0.01 min
Lab File: BF089714.D
Acq: 11 Aug 2016 00:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	49.9	74.9
63	33.2	26.1	39.1





#7

Phenol-d6

Concen: 117.45 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.00 min

Lab File: BF089714.D

Acq: 11 Aug 2016 00:53

Instrument :

BNA_F

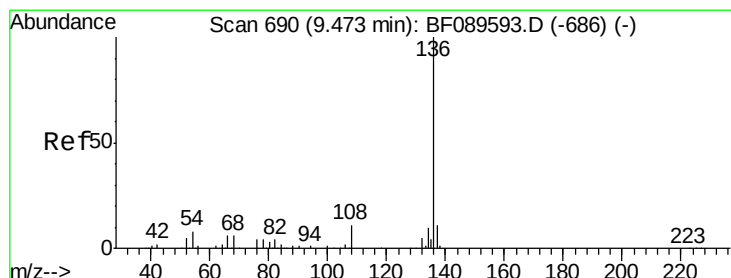
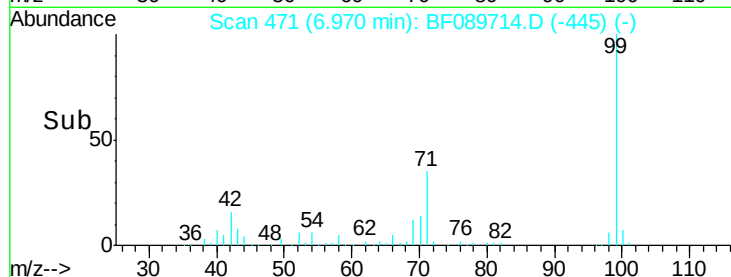
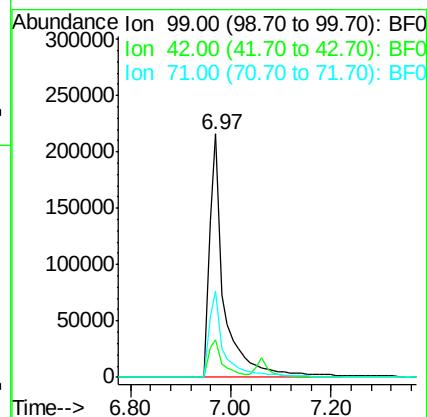
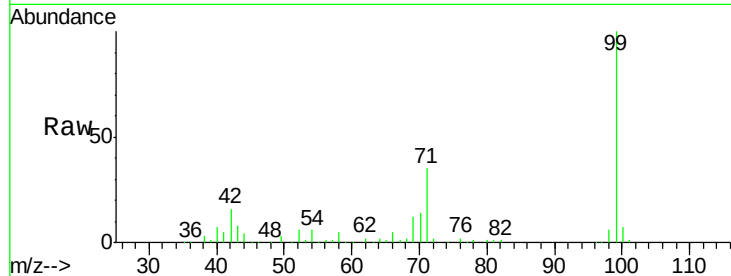
ClientSampleId :

DEL3-BASE(66)

Tgt Ion:	99	Resp:	434344
Ion Ratio	Lower	Upper	
99	100		
42	15.6	13.7	20.5
71	35.3	29.0	43.4

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#21

Naphthalene-d8

Concen: 20.00 ng

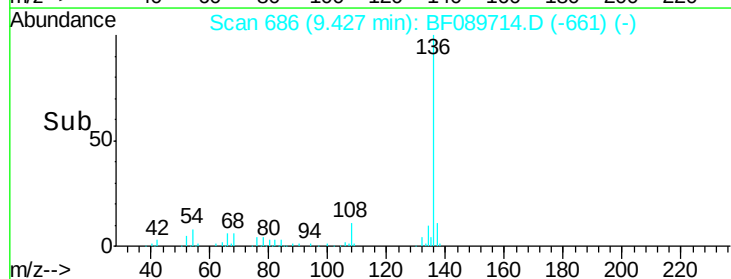
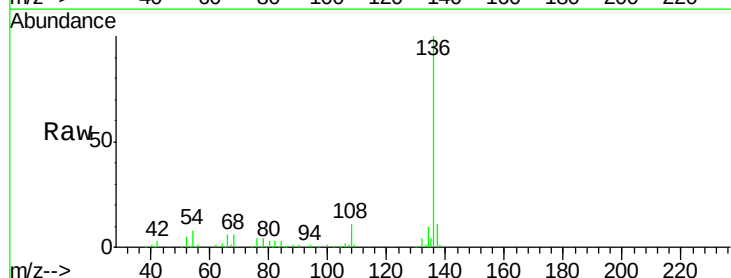
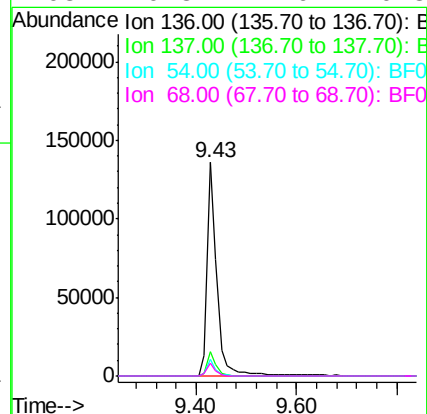
RT: 9.43 min Scan# 686

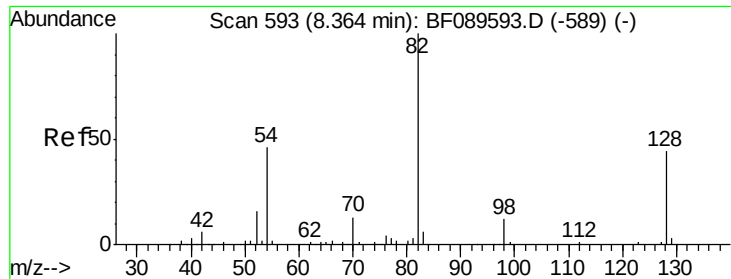
Delta R.T. -0.01 min

Lab File: BF089714.D

Acq: 11 Aug 2016 00:53

Tgt Ion:	136	Resp:	183106
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	12.8
54	7.9	6.0	9.0
68	6.3	4.6	6.8





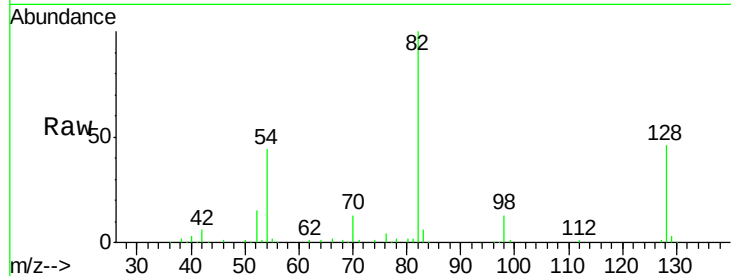
#23
 Nitrobenzene-d5
 Concen: 75.29 ng
 RT: 8.32 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: BF089714.D
 Acq: 11 Aug 2016 00:53

Instrument :
 BNA_F
 ClientSampleId :
 DEL3-BASE(66)

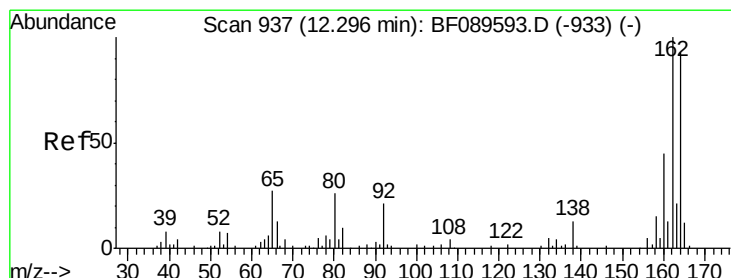
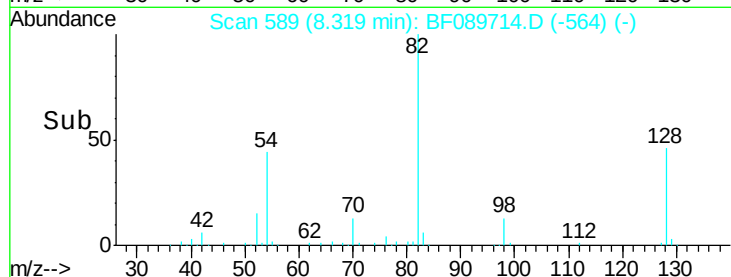
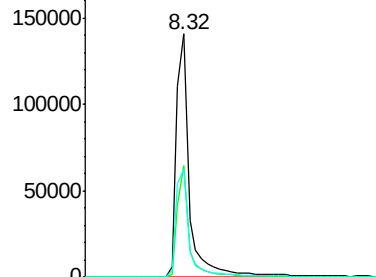
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	249235		
128	45.8	35.4	53.0	
54	44.3	36.4	54.6	

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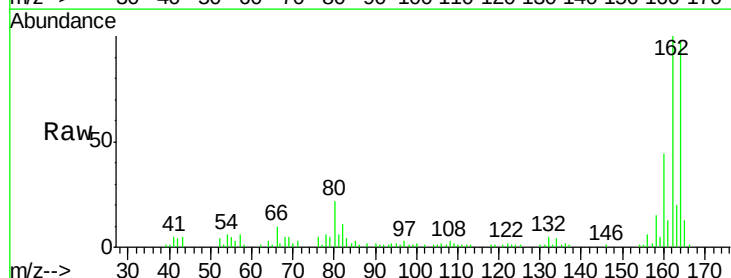


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

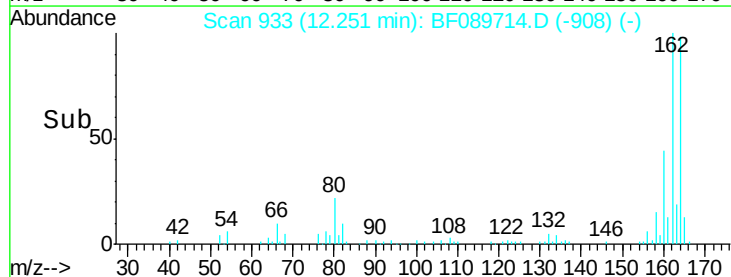
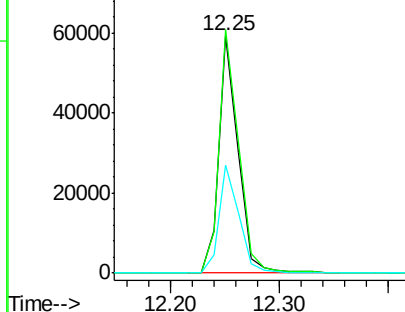


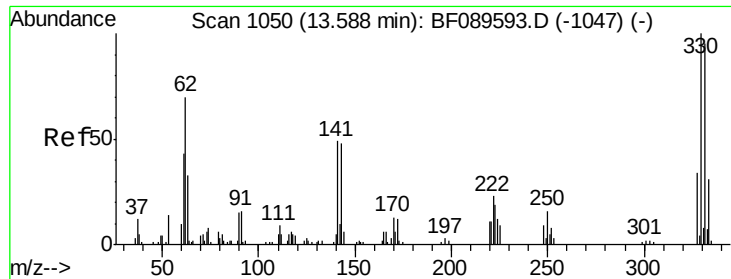
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.25 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF089714.D
 Acq: 11 Aug 2016 00:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73584		
162	102.5	85.7	128.5	
160	45.5	38.2	57.4	



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





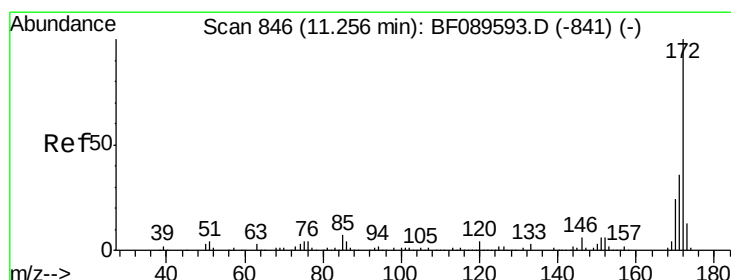
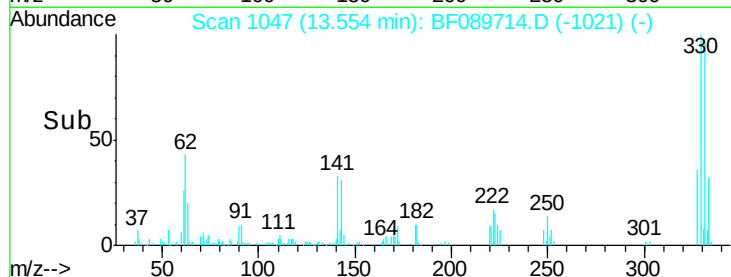
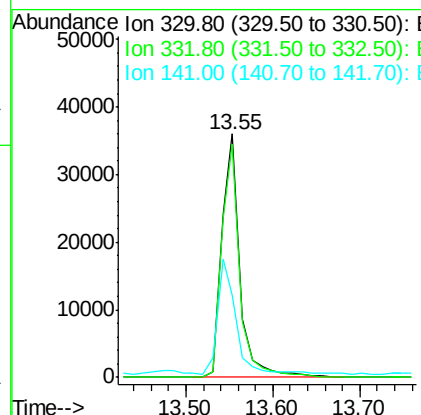
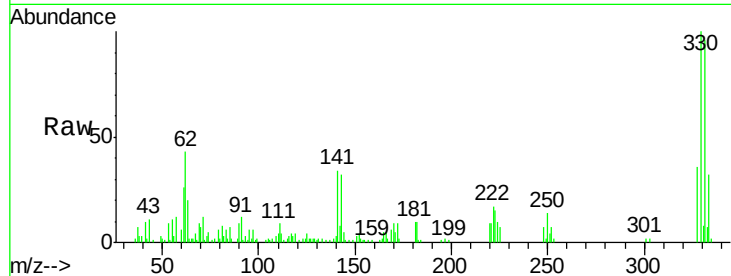
#41
 2,4,6-Tribromophenol
 Concen: 86.85 ng
 RT: 13.55 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BF089714.D
 Acq: 11 Aug 2016 00:53

Instrument :
 BNA_F
 ClientSampleId :
 DEL3-BASE(66)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	52739		
332	96.1	77.0	115.6	
141	48.3	38.6	57.8	

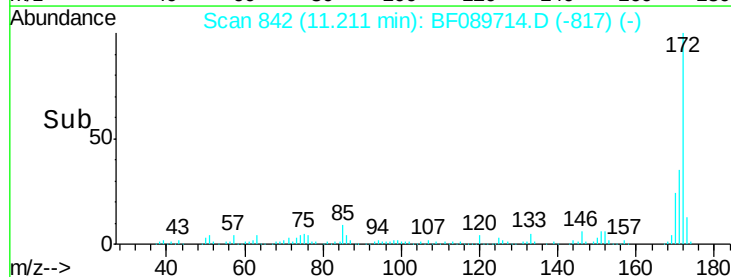
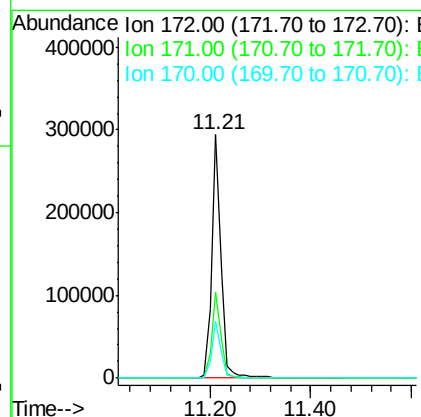
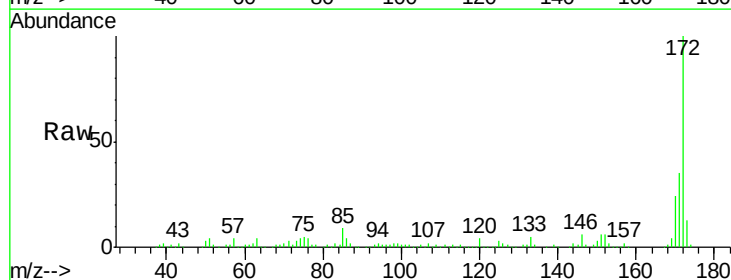
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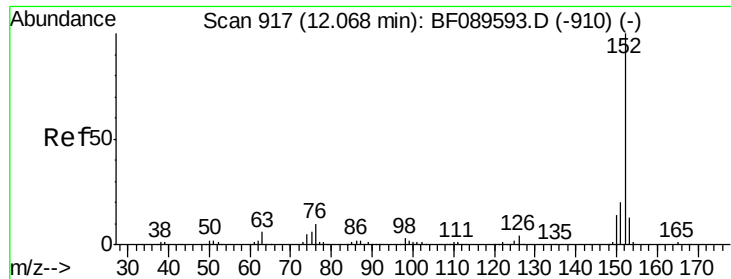
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#44
 2-Fluorobiphenyl
 Concen: 66.38 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF089714.D
 Acq: 11 Aug 2016 00:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	375837		
171	35.3	28.9	43.3	
170	23.5	19.0	28.6	





#48

Acenaphthylene

Concen: 2.06 ng

RT: 12.02 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF089714.D

Acq: 11 Aug 2016 00:53

Instrument :

BNA_F

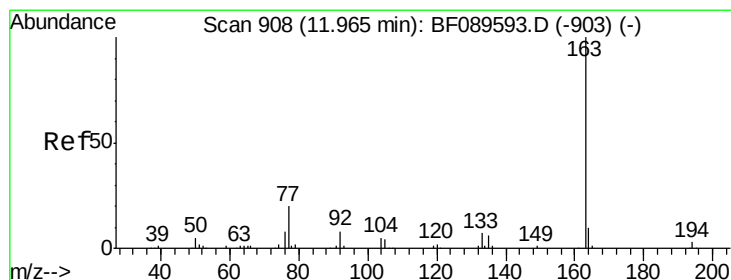
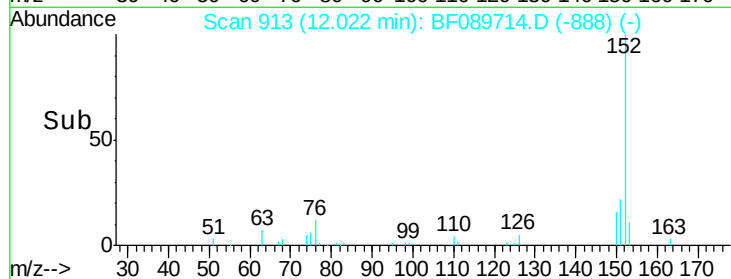
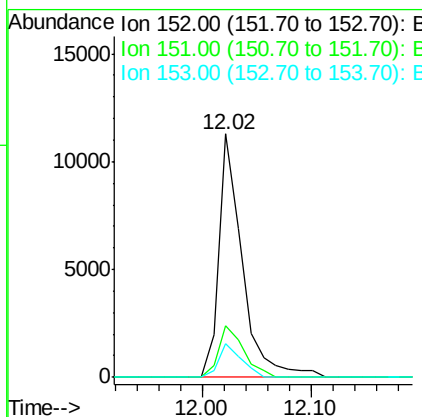
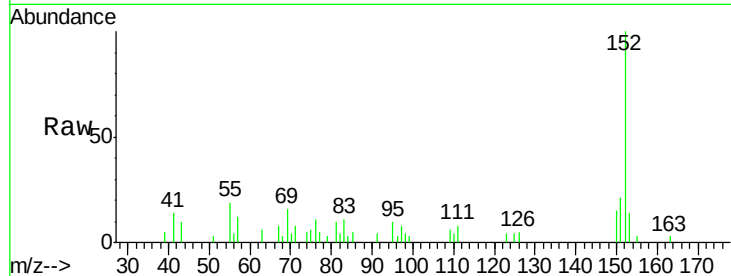
ClientSampleId :

DEL3-BASE(66)

Tgt Ion:	152	Resp:	16915
Ion Ratio	Lower	Upper	
152	100		
151	21.2	16.2	24.4
153	13.8	10.5	15.7

Manual Integrations
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#49

Dimethylphthalate

Concen: 16.56 ng

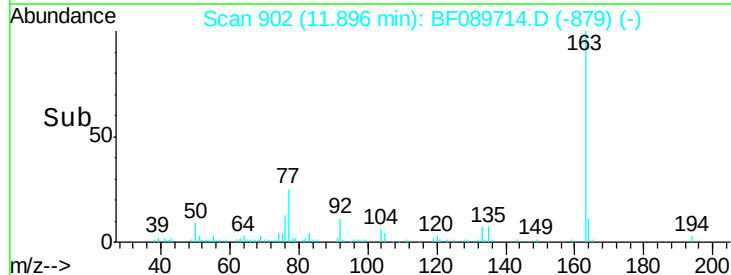
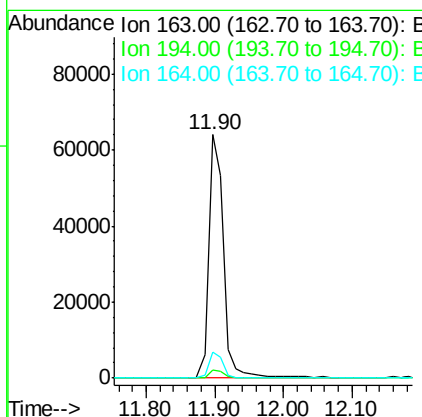
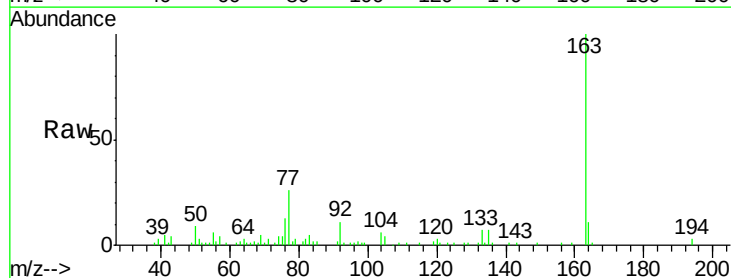
RT: 11.90 min Scan# 902

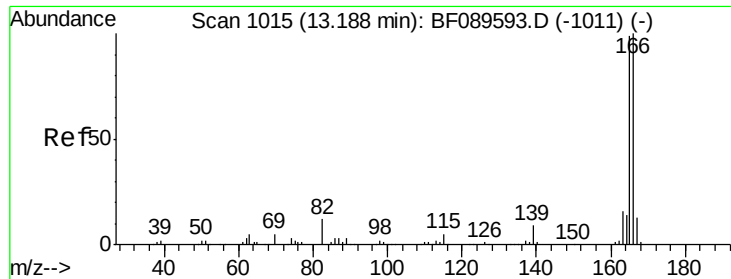
Delta R.T. -0.03 min

Lab File: BF089714.D

Acq: 11 Aug 2016 00:53

Tgt Ion:	163	Resp:	95511
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.7	4.1
164	10.9	7.8	11.6





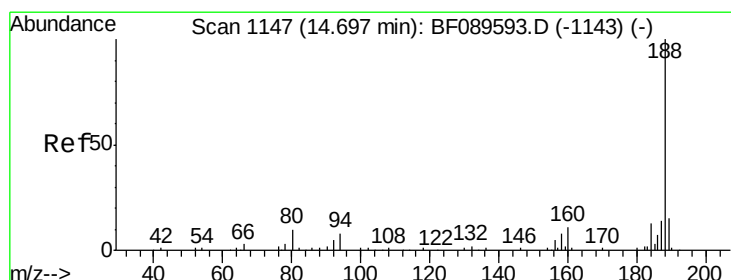
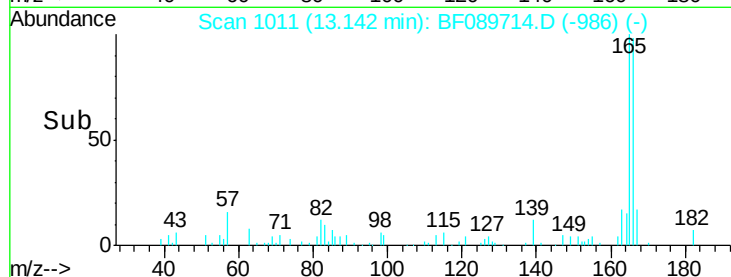
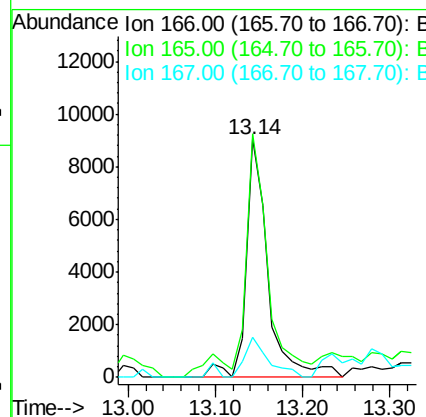
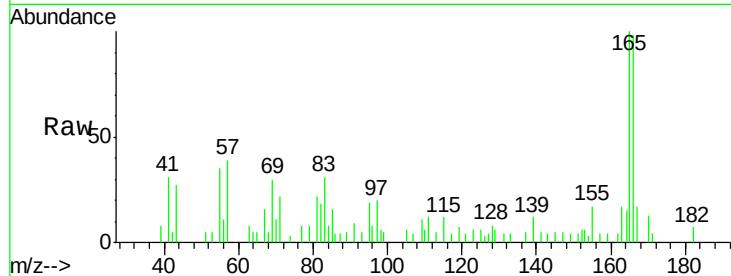
#57
 Fluorene
 Concen: 2.82 ng
 RT: 13.14 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BF089714.D
 Acq: 11 Aug 2016 00:53

Instrument :
 BNA_F
 ClientSampleId :
 DEL3-BASE(66)

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.3	78.9	118.3
167	17.0	10.4	15.6

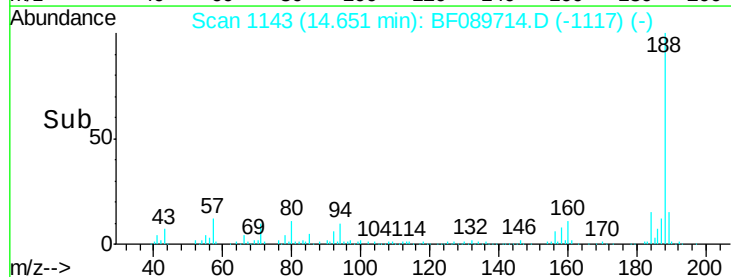
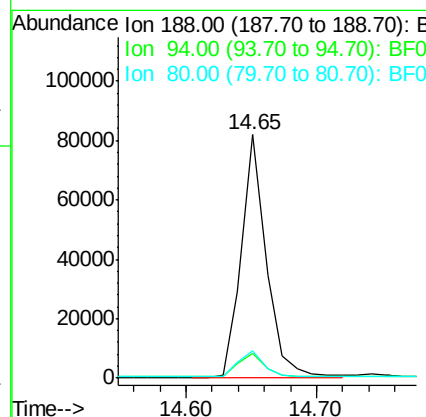
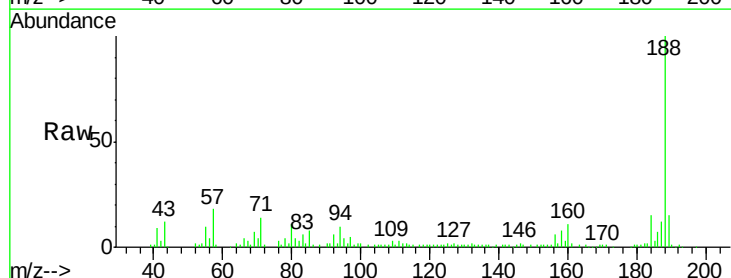
Manual Integrations
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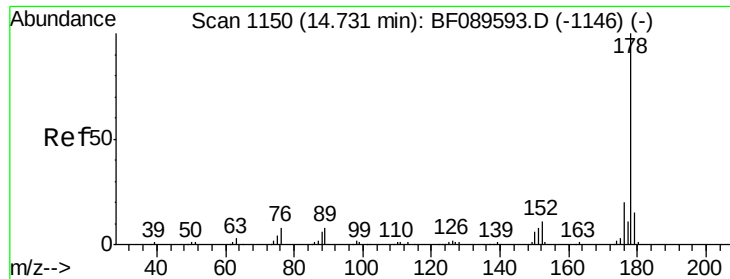
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.65 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: BF089714.D
 Acq: 11 Aug 2016 00:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	6.5	9.7
80	11.3	8.0	12.0





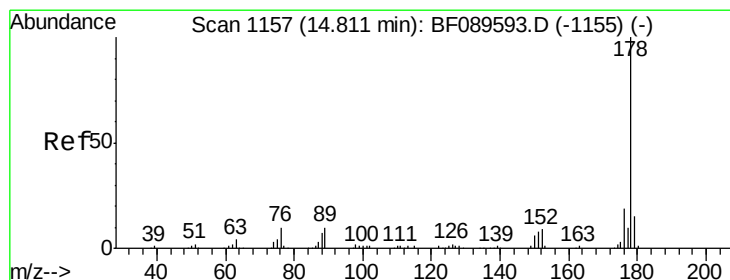
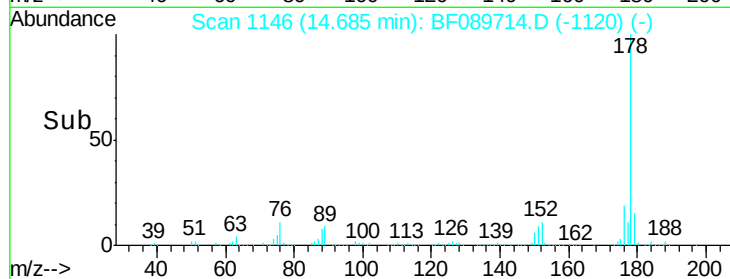
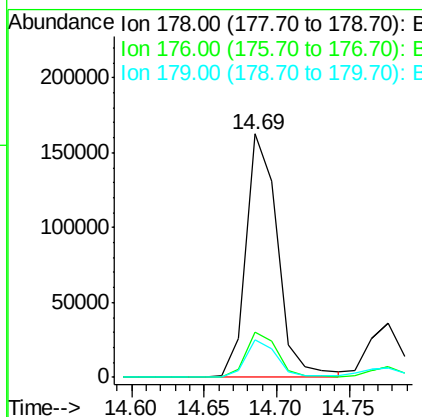
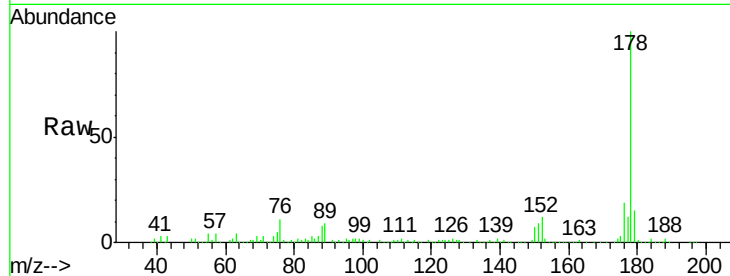
#70
Phenanthrene
Concen: 41.04 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BF089714.D
Acq: 11 Aug 2016 00:53

Instrument :
BNA_F
ClientSampleId :
DEL3-BASE(66)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	15.4	12.2	18.2

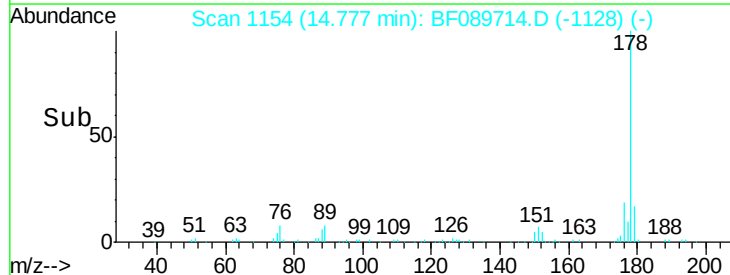
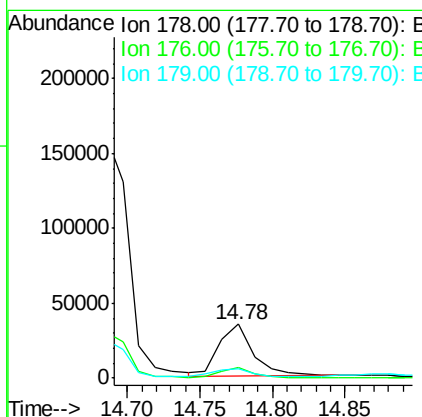
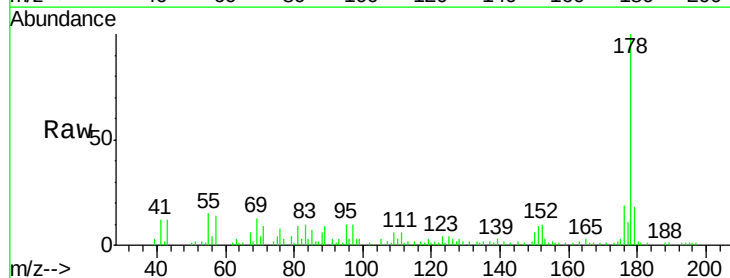
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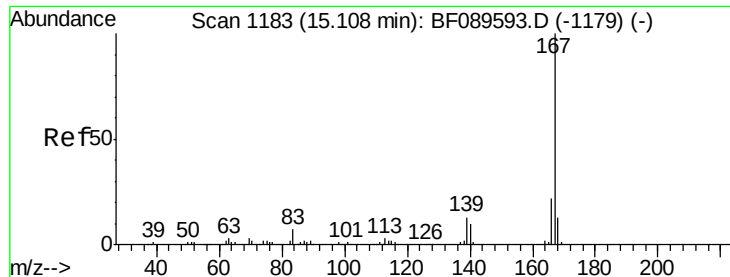
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#71
Anthracene
Concen: 8.76 ng
RT: 14.78 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BF089714.D
Acq: 11 Aug 2016 00:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	17.9	12.4	18.6





#72

Carbazole

Concen: 4.85 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF089714.D

Acq: 11 Aug 2016 00:53

Instrument :

BNA_F

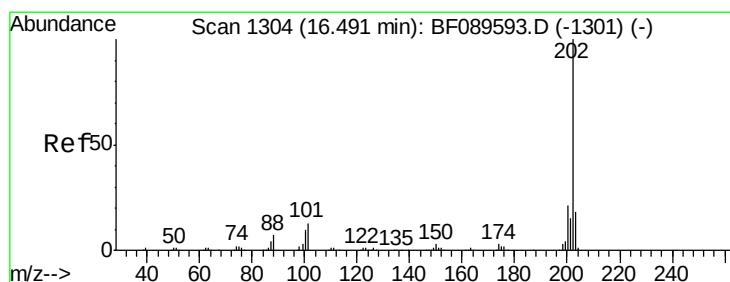
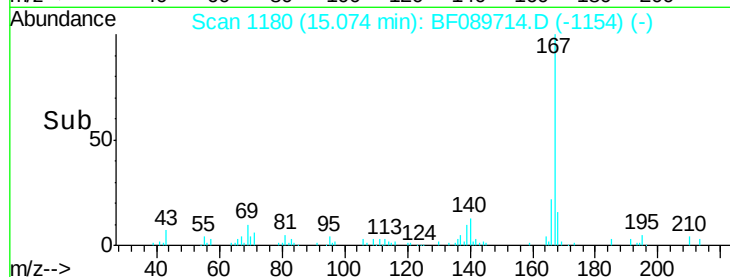
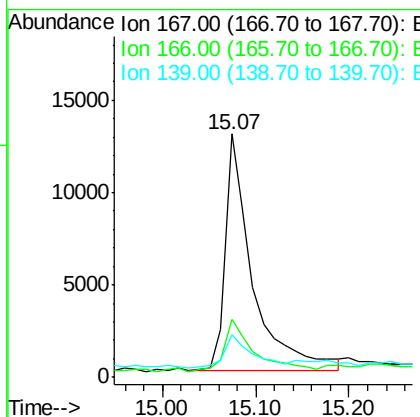
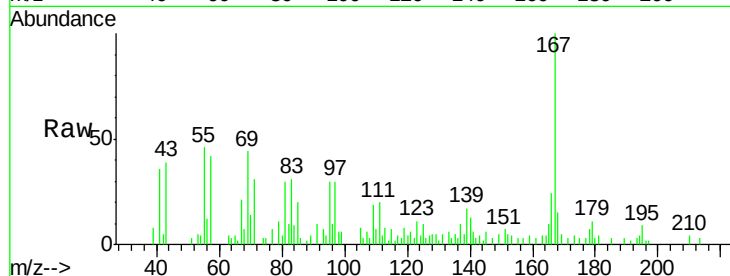
ClientSampleId :

DEL3-BASE(66)

Tgt Ion:	167	Resp:	25971
Ion Ratio	Lower	Upper	
167	100		
166	23.8	17.5	26.3
139	17.3	10.4	15.6

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#74

Fluoranthene

Concen: 65.43 ng

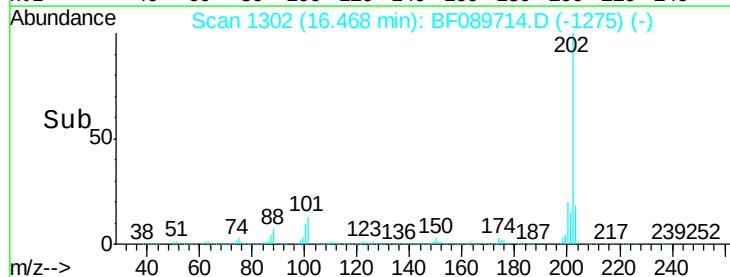
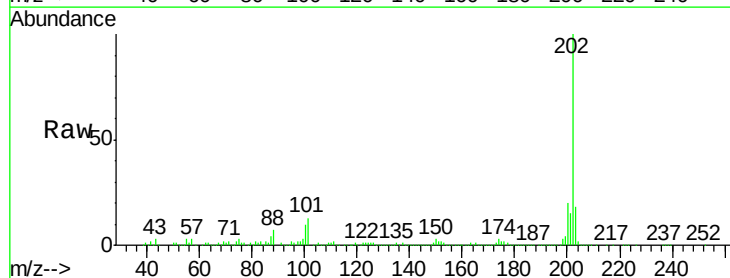
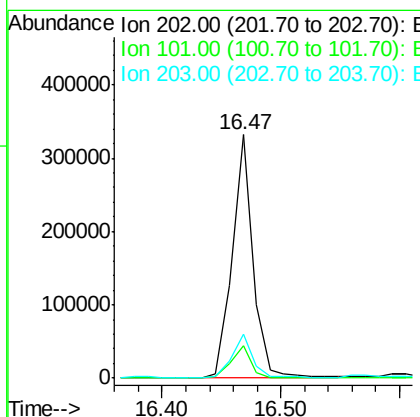
RT: 16.47 min Scan# 1302

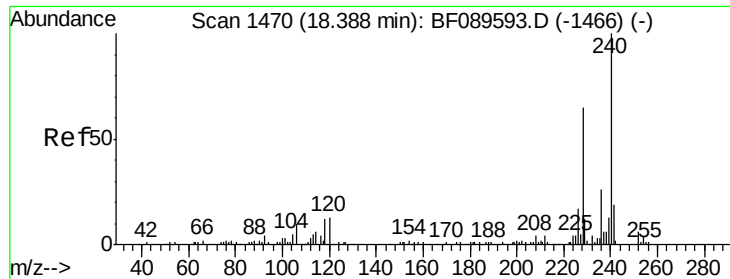
Delta R.T. 0.01 min

Lab File: BF089714.D

Acq: 11 Aug 2016 00:53

Tgt Ion:	202	Resp:	403302
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	32.7
203	17.9	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.37 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF089714.D

Acq: 11 Aug 2016 00:53

Instrument :

BNA_F

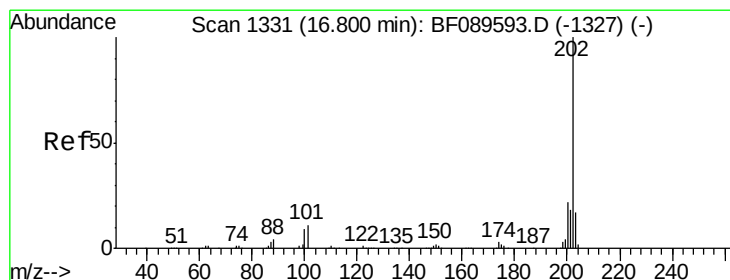
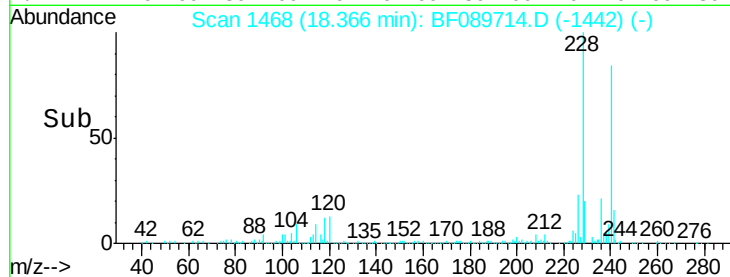
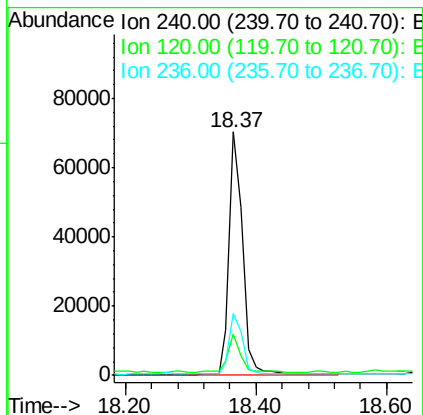
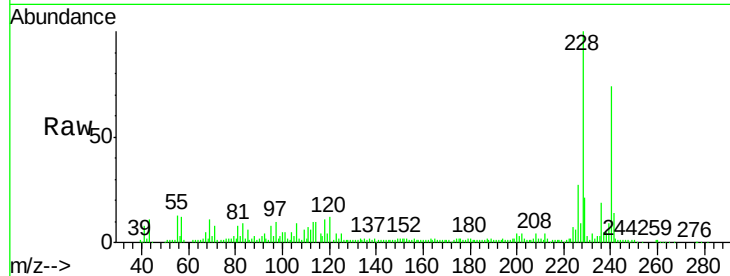
ClientSampleId :

DEL3-BASE(66)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	102806		
120	16.8	10.6	15.8#	
236	25.4	20.6	30.8	

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#77

Pyrene

Concen: 41.09 ng

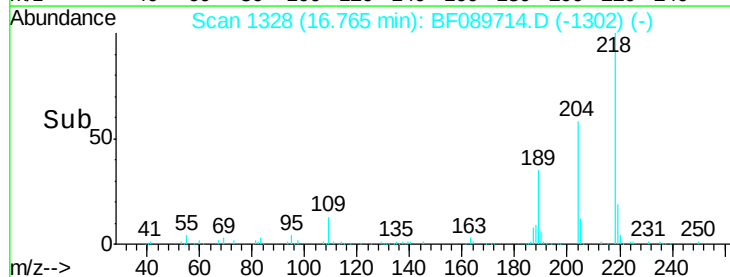
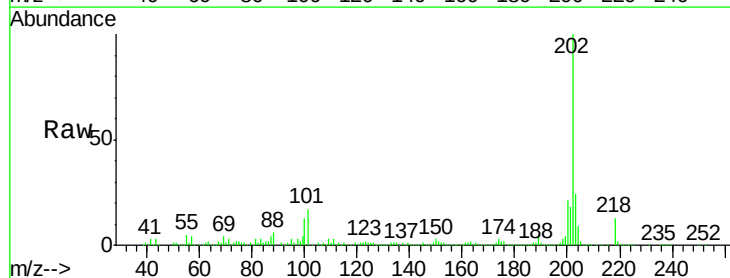
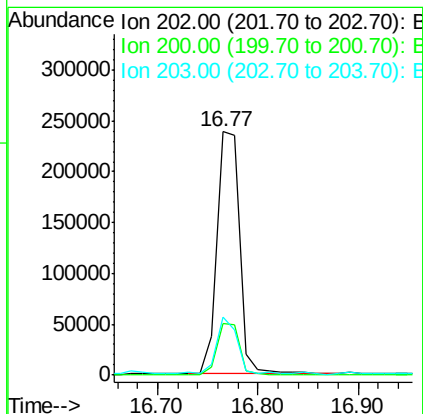
RT: 16.77 min Scan# 1328

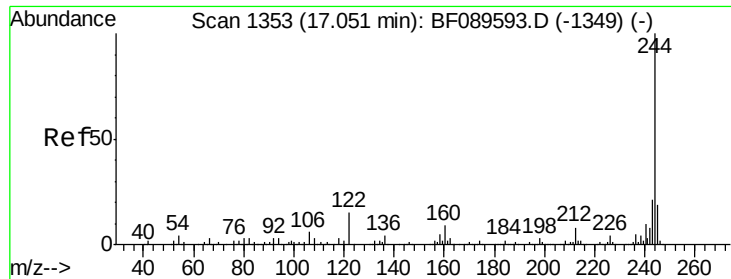
Delta R.T. -0.00 min

Lab File: BF089714.D

Acq: 11 Aug 2016 00:53

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	373434		
200	21.2	17.4	26.0	
203	23.8	13.6	20.4#	





#78

Terphenyl-d14

Concen: 46.56 ng

RT: 17.03 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BF089714.D

Acq: 11 Aug 2016 00:53

Instrument :

BNA_F

ClientSampleId :

DEL3-BASE(66)

Tgt Ion:244 Resp: 242450
Ion Ratio Lower Upper

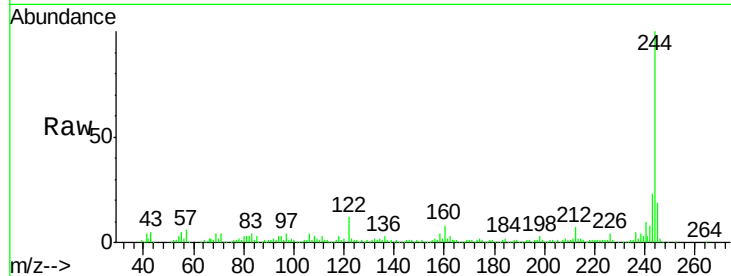
244 100

212 7.4 6.4 9.6

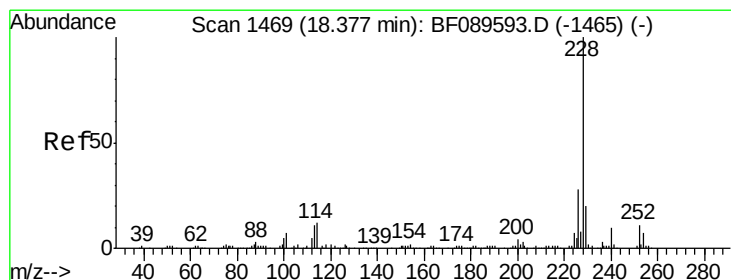
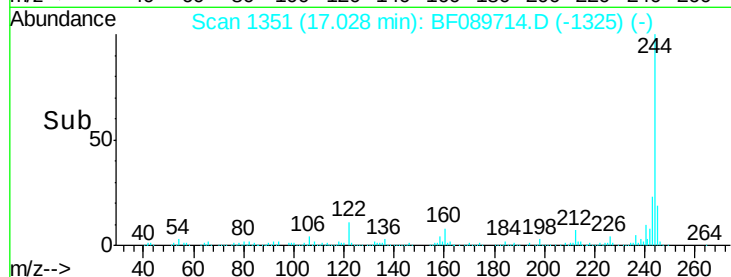
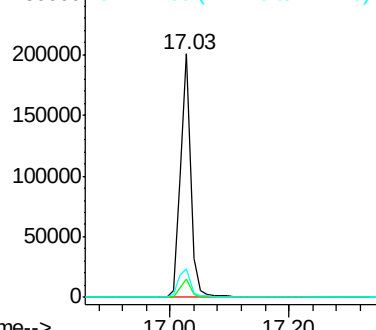
122 11.7 12.2 18.2#

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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: 33.65 ng

RT: 18.35 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BF089714.D

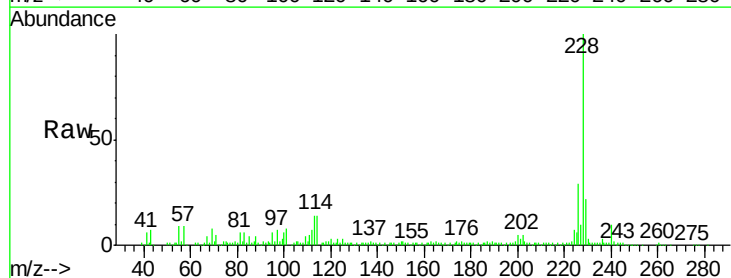
Acq: 11 Aug 2016 00:53

Tgt Ion:228 Resp: 198749
Ion Ratio Lower Upper

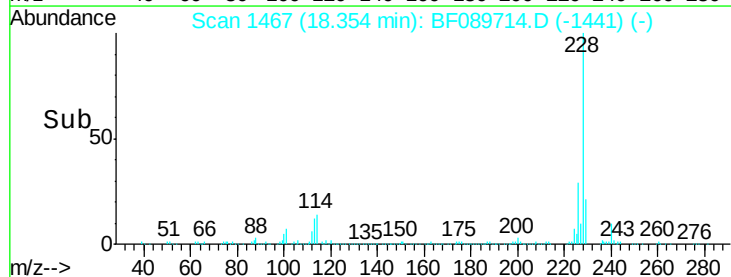
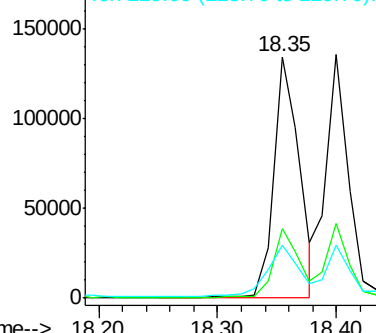
228 100

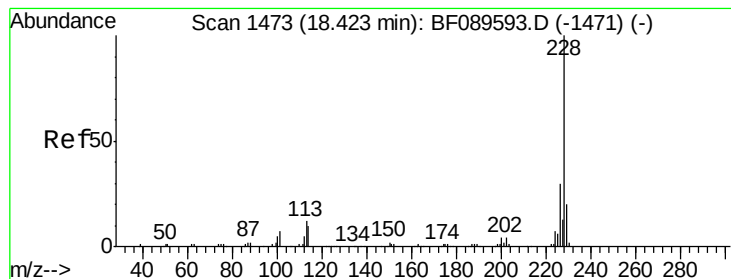
226 29.0 22.3 33.5

229 22.0 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 27.64 ng

RT: 18.40 min Scan# 1471

Delta R.T. -0.00 min

Lab File: BF089714.D

Acq: 11 Aug 2016 00:53

Instrument :

BNA_F

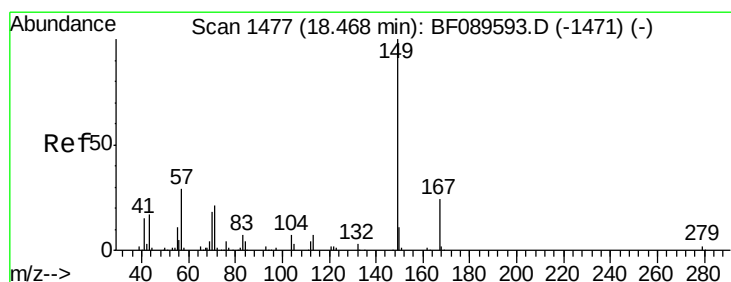
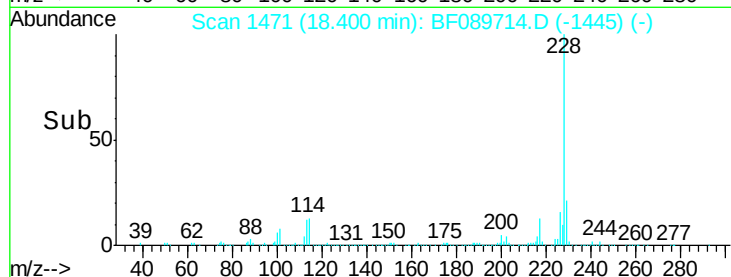
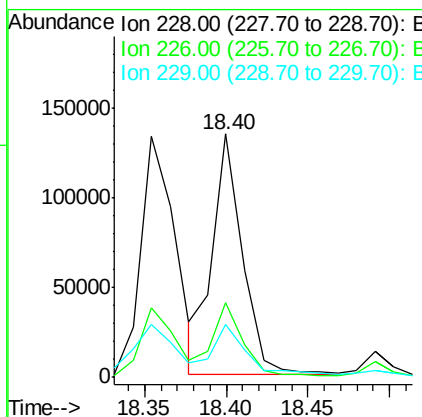
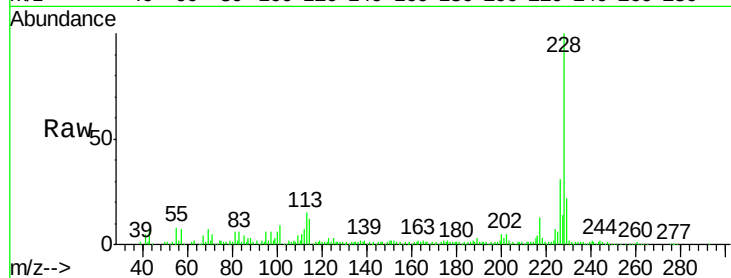
ClientSampleId :

DEL3-BASE(66)

Tgt Ion:	228	Resp:	171289
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.2	36.2
229	21.5	16.0	24.0

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.56 ng

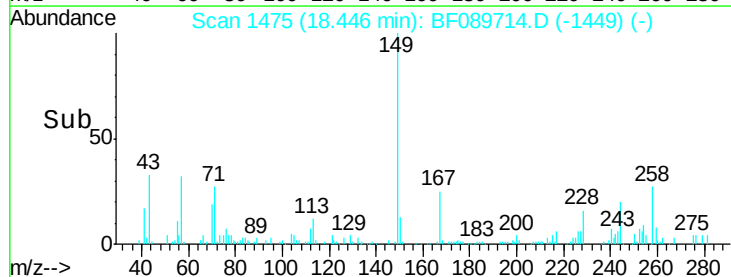
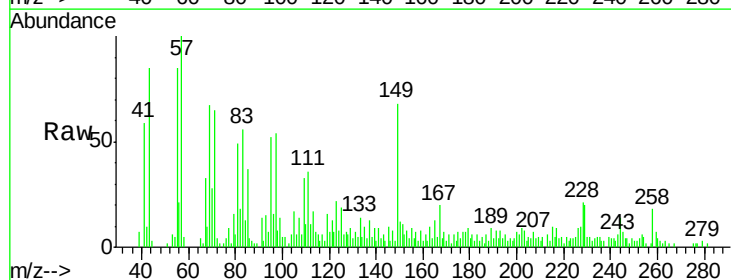
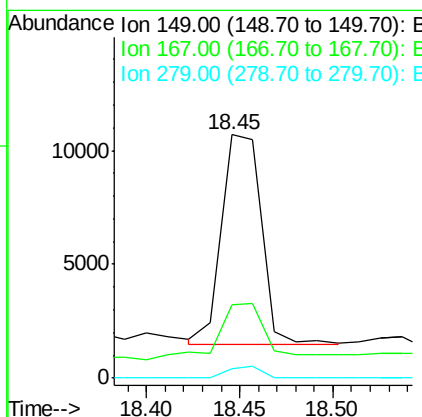
RT: 18.45 min Scan# 1475

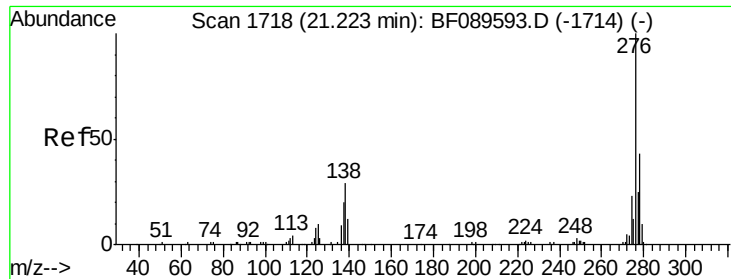
Delta R.T. -0.00 min

Lab File: BF089714.D

Acq: 11 Aug 2016 00:53

Tgt Ion:	149	Resp:	13716
Ion Ratio	Lower	Upper	
149	100		
167	30.3	19.0	28.4#
279	3.7	1.8	2.6#





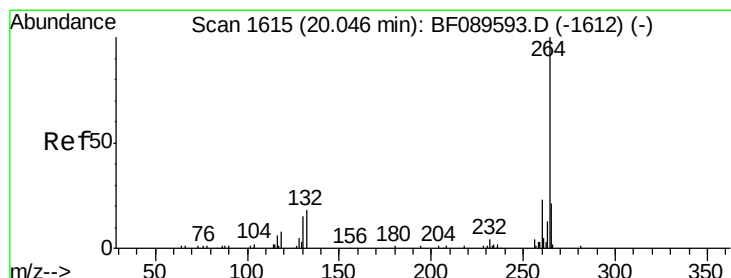
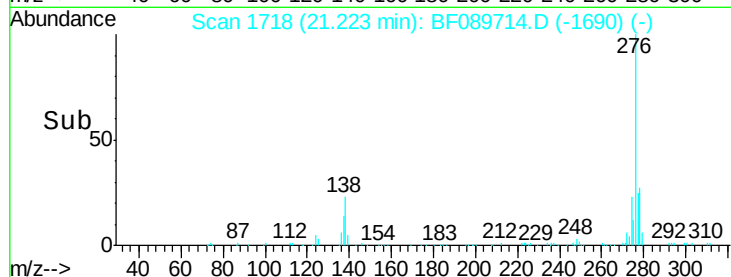
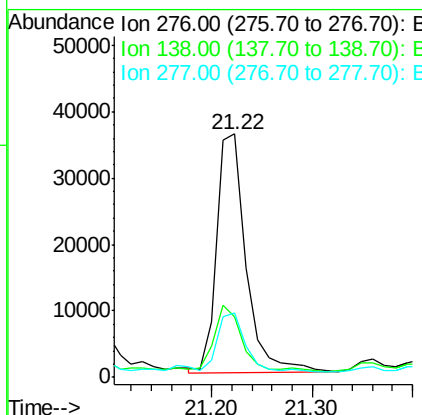
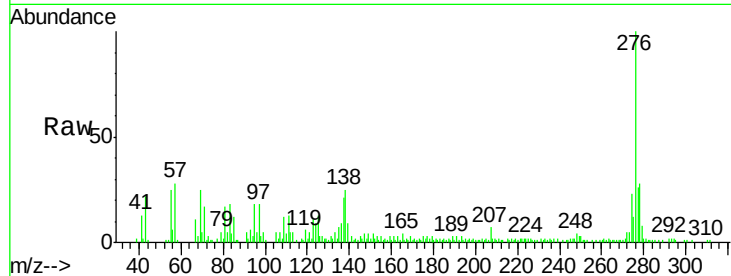
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.54 ng
RT: 21.22 min Scan# 1718
Delta R.T. 0.02 min
Lab File: BF089714.D
Acq: 11 Aug 2016 00:53

Instrument :
BNA_F
ClientSampleId :
DEL3-BASE(66)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.2	23.8	35.8
277	26.5	20.3	30.5

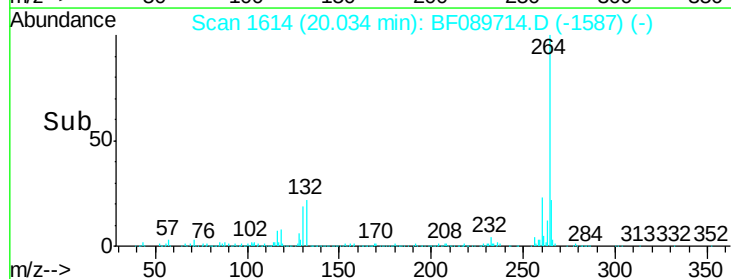
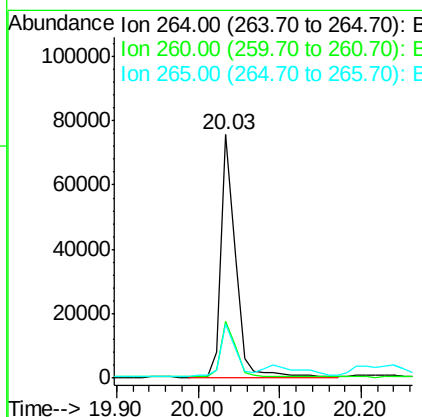
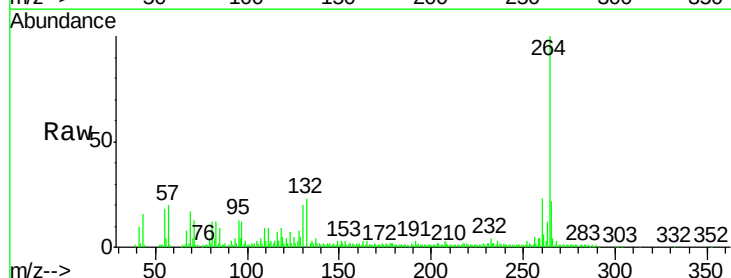
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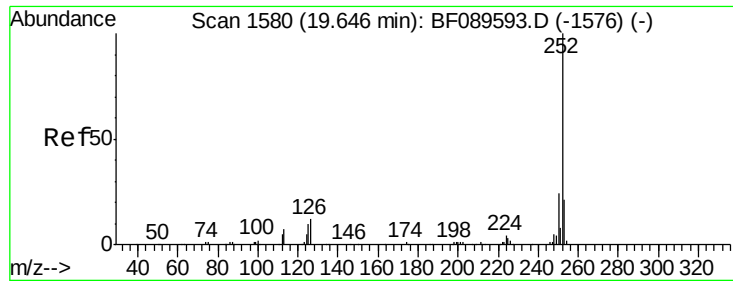
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.03 min Scan# 1614
Delta R.T. 0.01 min
Lab File: BF089714.D
Acq: 11 Aug 2016 00:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	22.3	16.5	24.7





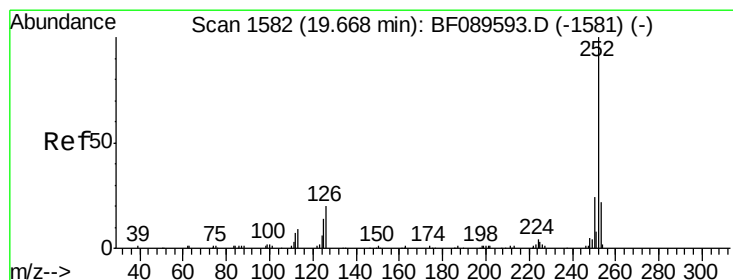
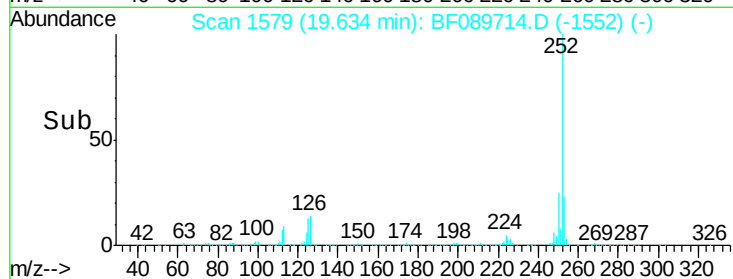
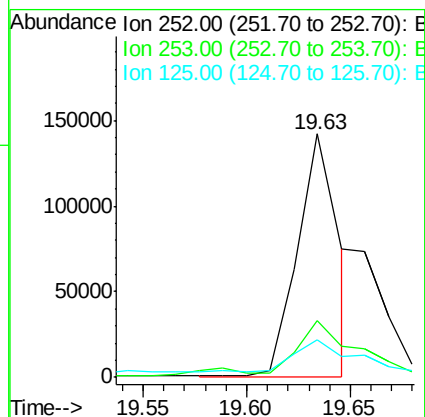
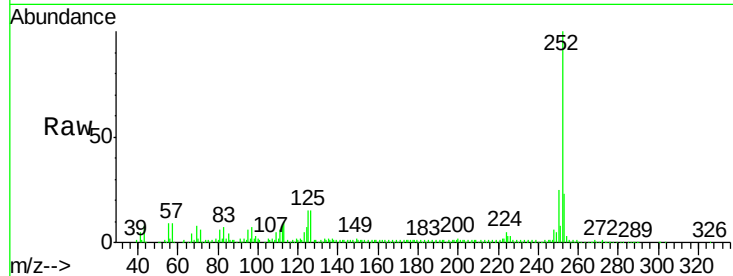
#87
Benzo(b)fluoranthene
Concen: 33.37 ng m
RT: 19.63 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF089714.D
Acq: 11 Aug 2016 00:53

Instrument :
BNA_F
ClientSampleId :
DEL3-BASE(66)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	15.5	7.8	11.8

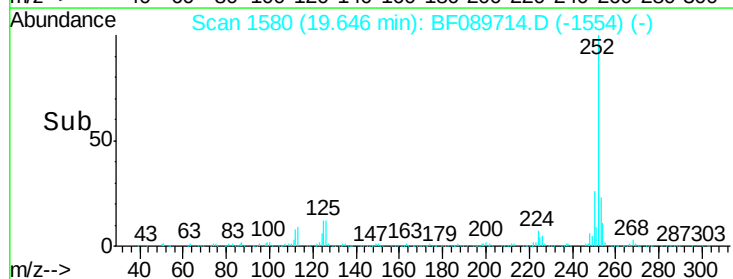
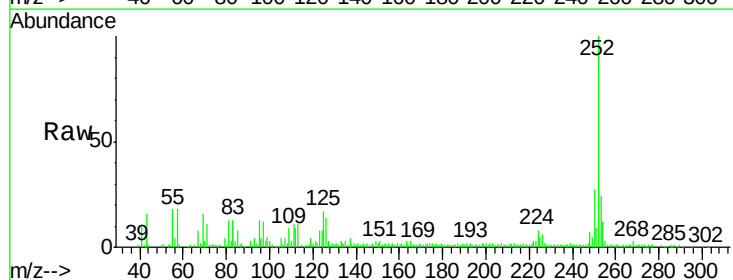
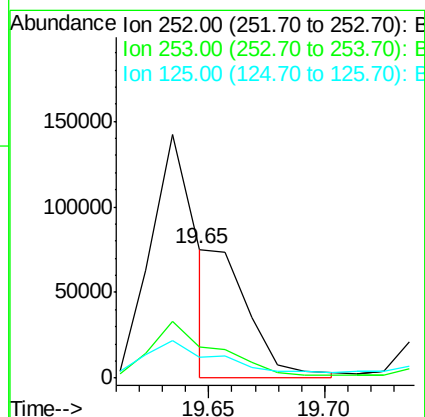
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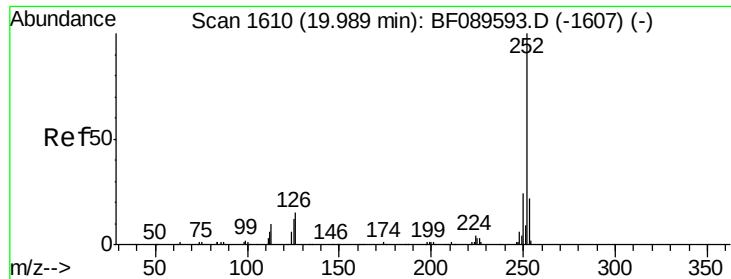
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#88
Benzo(k)fluoranthene
Concen: 14.27 ng m
RT: 19.65 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF089714.D
Acq: 11 Aug 2016 00:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	16.6	11.0	16.6





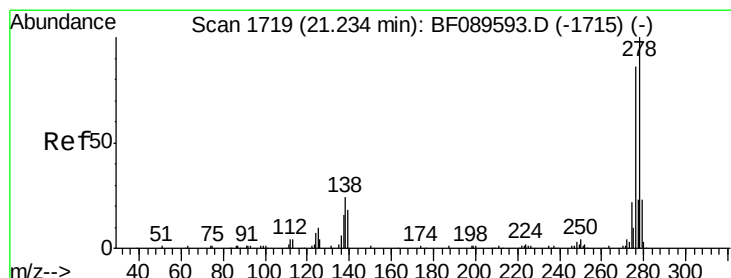
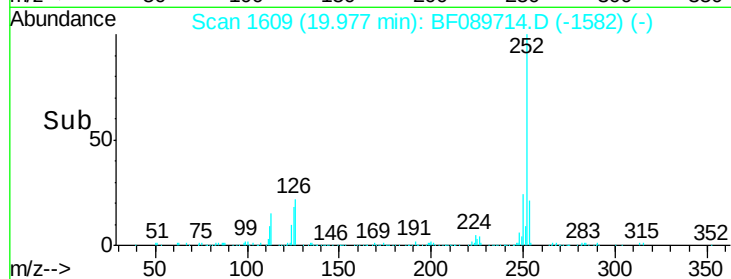
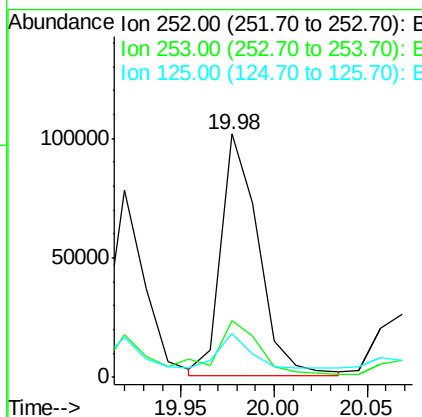
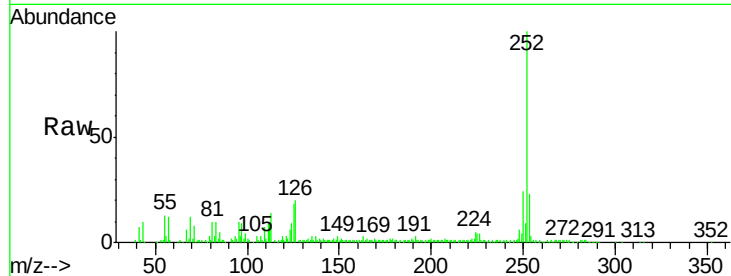
#89
Benzo(a)pyrene
Concen: 25.52 ng
RT: 19.98 min Scan# 1609
Delta R.T. 0.01 min
Lab File: BF089714.D
Acq: 11 Aug 2016 00:53

Instrument :
BNA_F
ClientSampled :
DEL3-BASE(66)

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	17.4	26.0
125	17.9	9.9	14.9#

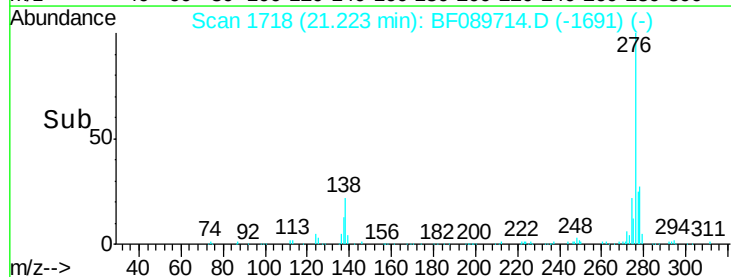
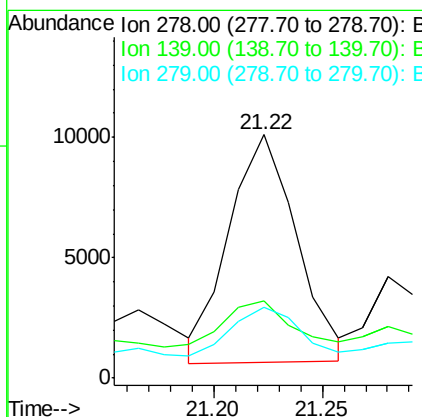
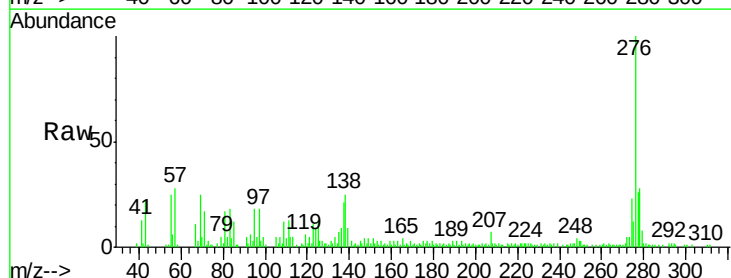
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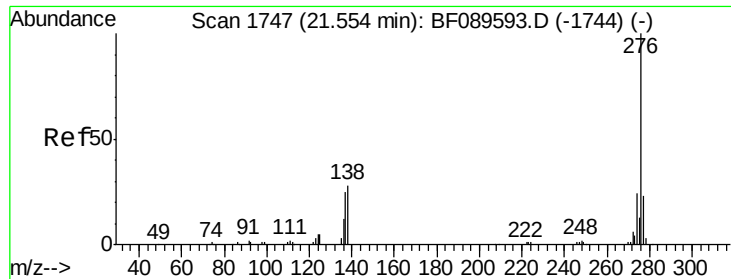
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#90
Dibenzo(a,h)anthracene
Concen: 3.98 ng
RT: 21.22 min Scan# 1718
Delta R.T. 0.01 min
Lab File: BF089714.D
Acq: 11 Aug 2016 00:53

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	31.9	14.6	21.8#
279	28.9	18.4	27.6#





#91
 Benzo(g,h,i)perylene
 Concen: 12.03 ng
 RT: 21.55 min Scan# 1747
 Delta R.T. 0.02 min
 Lab File: BF089714.D
 Acq: 11 Aug 2016 00:53

Instrument :
 BNA_F
 ClientSampleId :
 DEL3-BASE(66)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.6	28.0
138	26.1	22.6	33.8

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