

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072616\
 Data File : BF089310.D
 Acq On : 26 Jul 2016 13:34
 Operator : UM/SJ
 Sample : H4207-07 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NW-2

Manual Integrations
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Quant Time: Jul 26 14:36:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 16:56:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	35839	20.00	ng	-0.01
21) Naphthalene-d8	7.84	136	148525	20.00	ng	-0.01
38) Acenaphthene-d10	9.60	164	71154	20.00	ng	0.00
63) Phenanthrene-d10	11.06	188	131152	20.00	ng	-0.01
75) Chrysene-d12	13.68	240	97610	20.00	ng	-0.01
86) Perylene-d12	15.02	264	74631	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	62668	26.59	ng	-0.02
7) Phenol-d6	6.20	99	84725	27.88	ng	-0.02
23) Nitrobenzene-d5	7.13	82	64509	23.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.38	330	14160	22.10	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	92306	17.87	ng	-0.01
78) Terphenyl-d14	12.64	244	76352	16.97	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.86	128	108174	13.49	ng	# 89
37) 2-Methylnaphthalene	8.56	142	119090m	23.30	ng	
45) 1,1'-Biphenyl	9.03	154	40653	6.34	ng	96
49) Dimethylphthalate	9.32	163	35710	6.54	ng	# 88
51) Acenaphthene	9.62	154	34829	7.69	ng	# 88
57) Fluorene	10.14	166	73262	14.10	ng	# 83
70) Phenanthrene	11.10	178	219297	30.48	ng	# 95

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

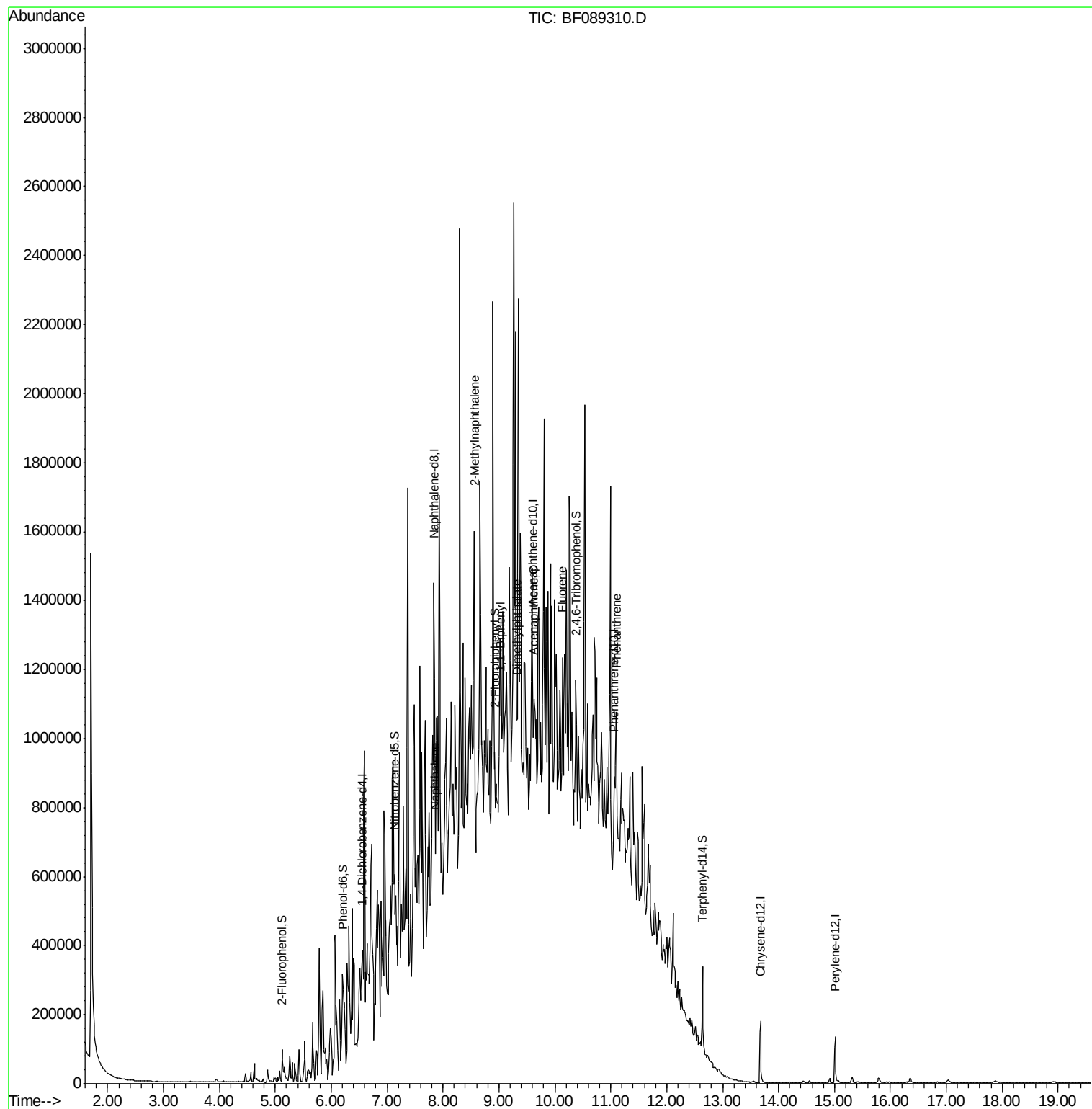
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072616\
Data File : BF089310.D
Acq On : 26 Jul 2016 13:34
Operator : UM/SJ
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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#1

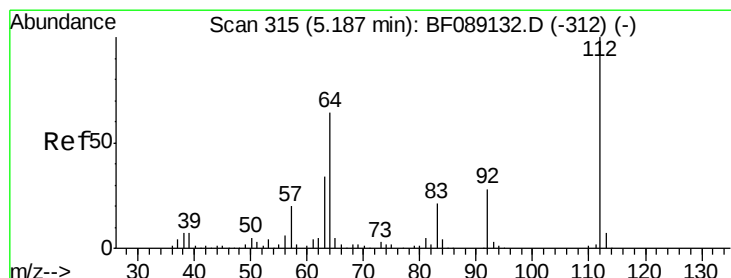
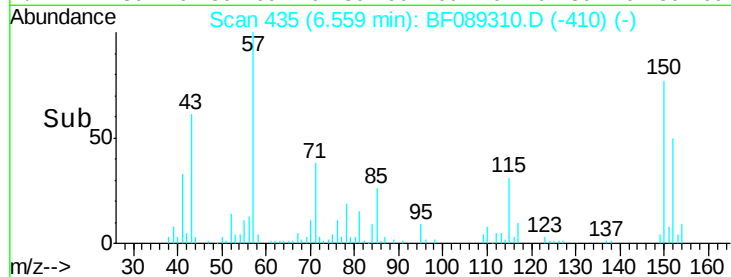
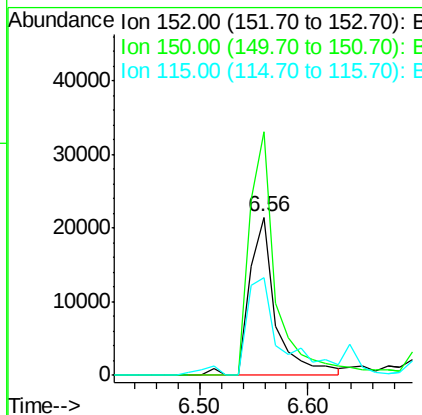
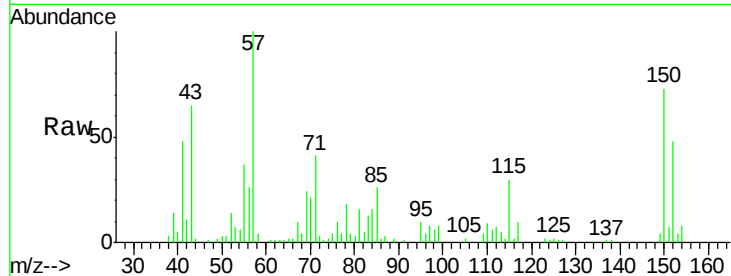
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 435
Delta R.T. -0.01 min
Lab File: BF089310.D
Acq: 26 Jul 2016 13:34

Instrument :
BNA_F
ClientSampled :
NW-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	125.1	187.7
115	62.3	51.1	76.7

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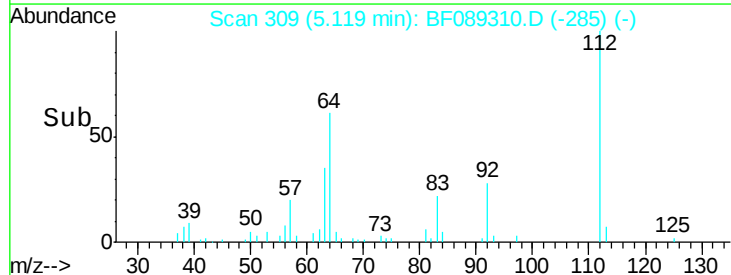
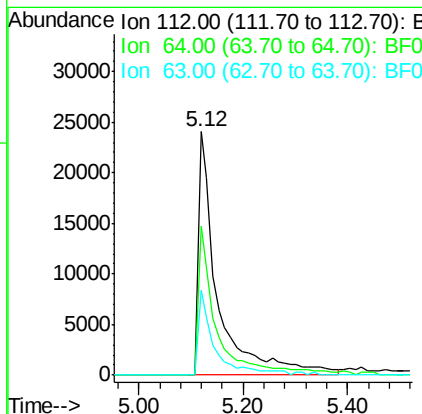
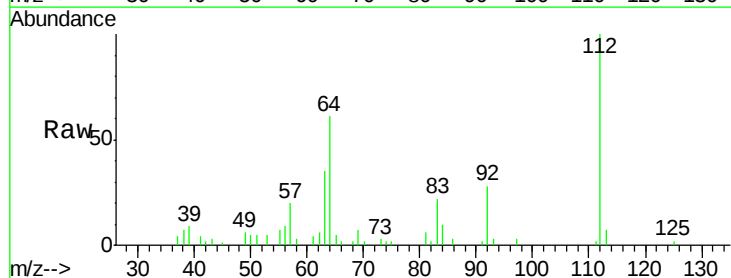
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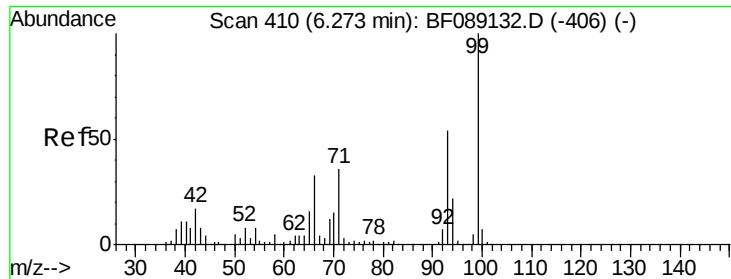


#5

2-Fluorophenol
Concen: 26.59 ng
RT: 5.12 min Scan# 309
Delta R.T. -0.02 min
Lab File: BF089310.D
Acq: 26 Jul 2016 13:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	51.0	76.4
63	34.8	27.3	40.9





#7

Phenol-d6

Concen: 27.88 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF089310.D

Acq: 26 Jul 2016 13:34

Instrument :

BNA_F

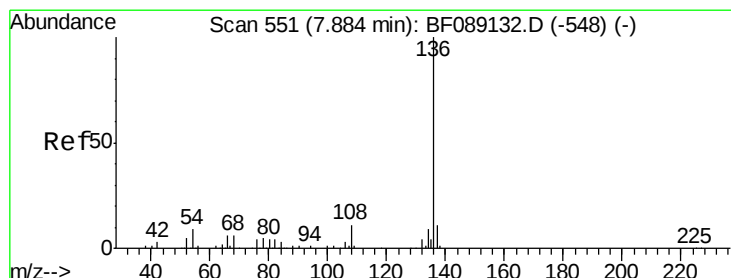
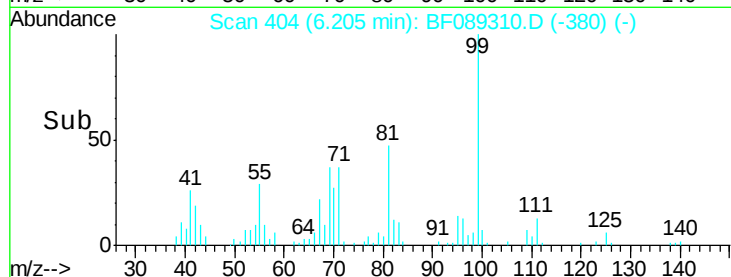
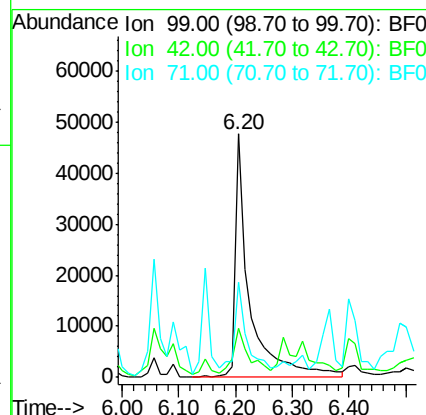
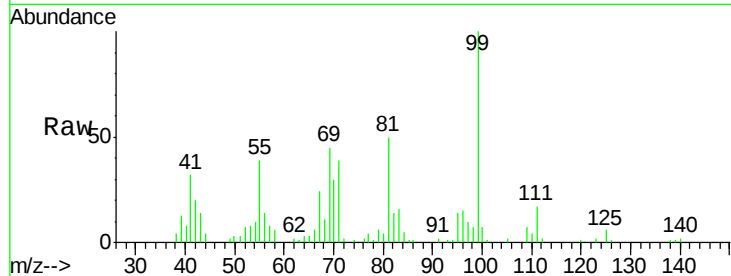
ClientSampled :

NW-2

Tot Ion:	99	Resp:	84725
Ion Ratio	Lower	Upper	
99	100		
42	20.3	13.5	20.3
71	39.2	28.9	43.3

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#21

Naphthalene-d8

Concen: 20.00 ng

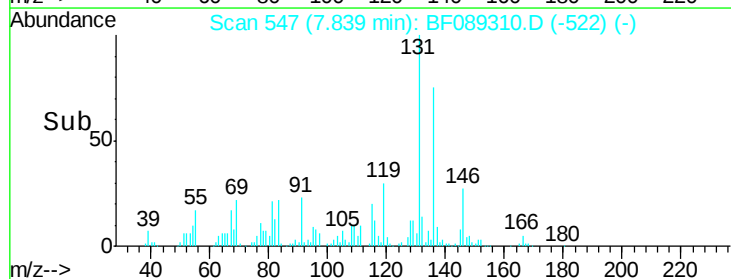
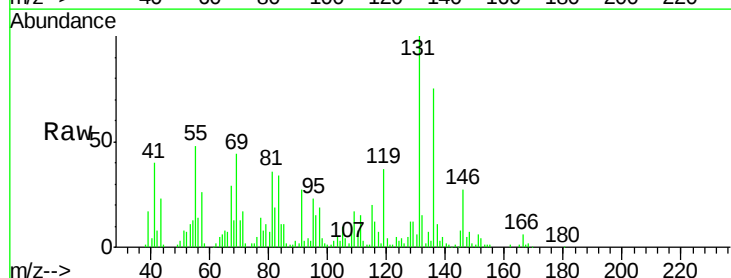
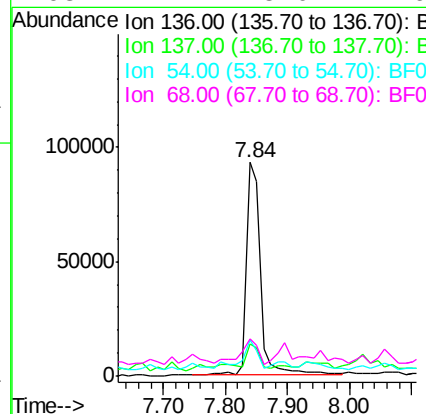
RT: 7.84 min Scan# 547

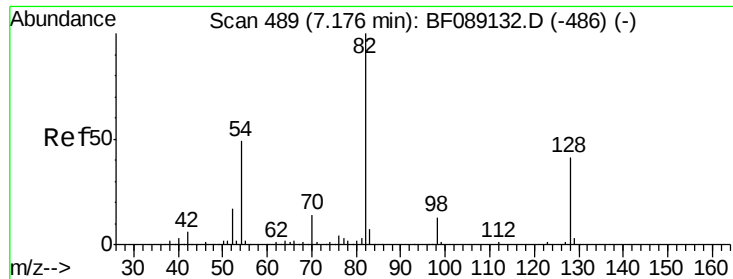
Delta R.T. -0.01 min

Lab File: BF089310.D

Acq: 26 Jul 2016 13:34

Tgt Ion:	136	Resp:	148525
Ion Ratio	Lower	Upper	
136	100		
137	15.2	8.8	13.2#
54	17.1	7.0	10.4#
68	17.1	5.0	7.6#





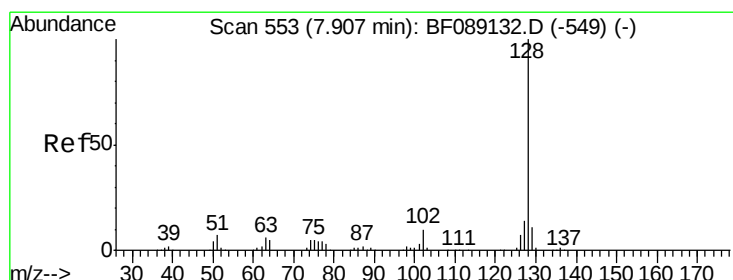
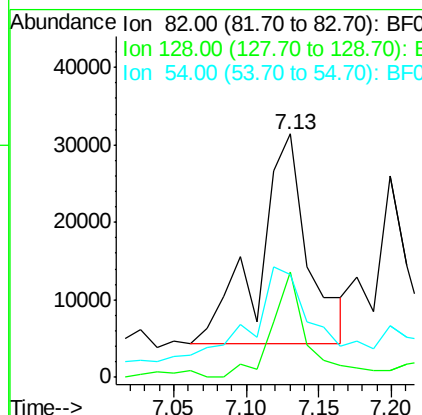
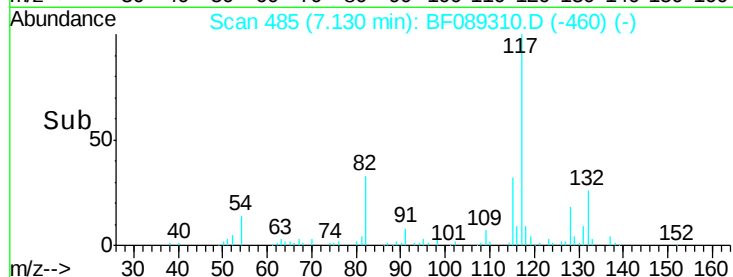
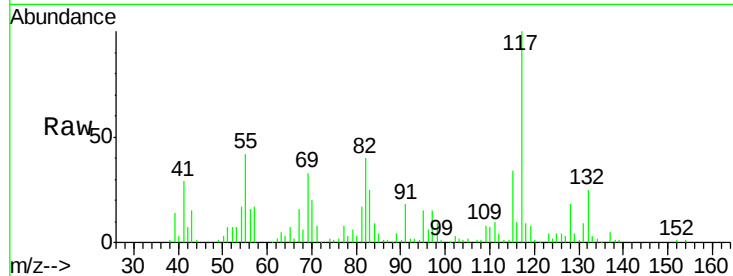
#23
Nitrobenzene-d5
Concen: 23.08 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.01 min
Lab File: BF089310.D
Acq: 26 Jul 2016 13:34

Instrument :
BNA_F
ClientSampled :
NW-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.0	49.6
54	42.3	39.0	58.4

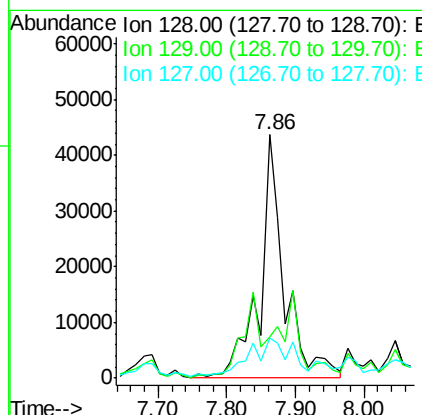
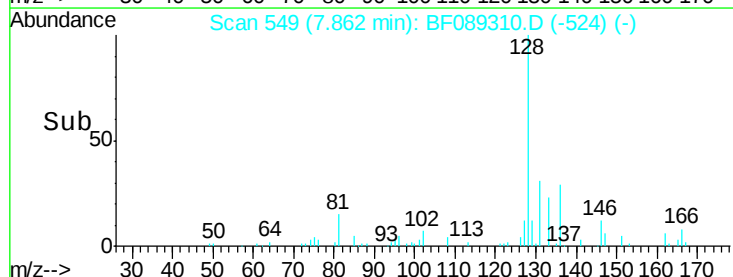
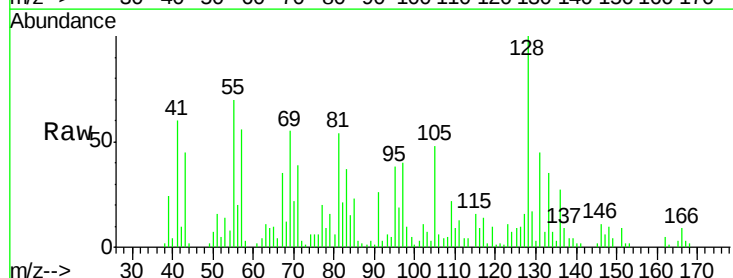
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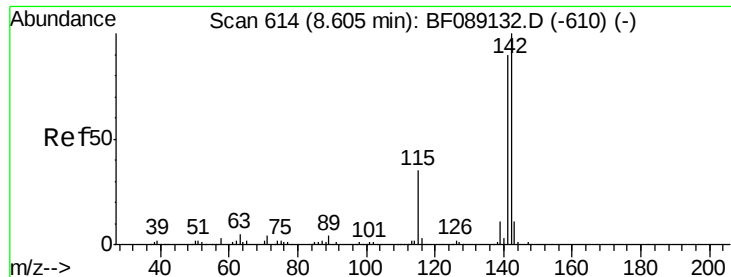
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#31
Naphthalene
Concen: 13.49 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF089310.D
Acq: 26 Jul 2016 13:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	17.2	8.9	13.3#
127	16.3	10.8	16.2#





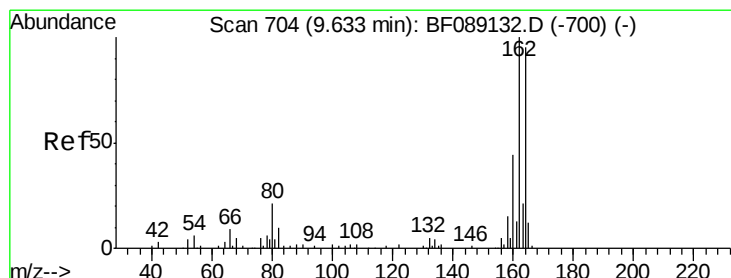
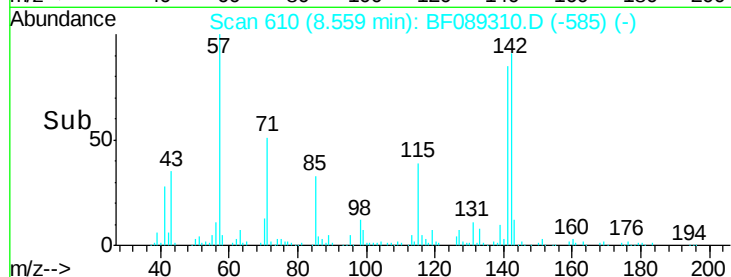
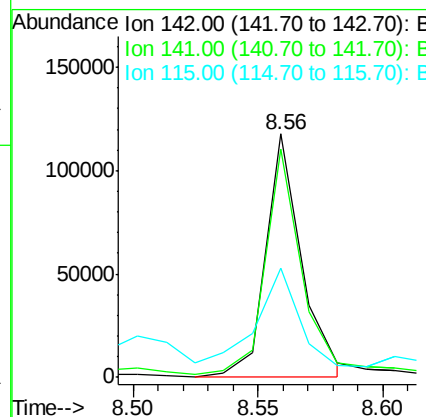
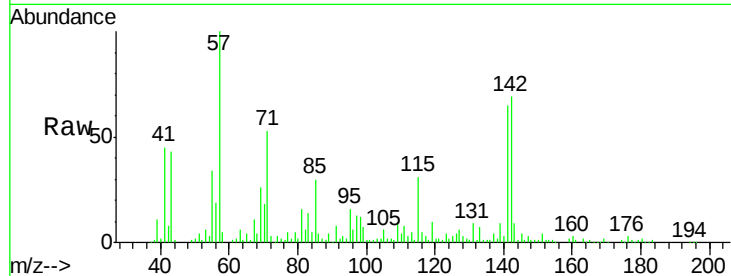
#37
2-Methylnaphthalene
Concen: 23.30 ng/mL
RT: 8.56 min Scan# 610
Delta R.T. -0.01 min
Lab File: BF089310.D
Acq: 26 Jul 2016 13:34

Instrument :
BNA_F
ClientSampleId :
NW-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.7	71.6	107.4
115	45.0	27.6	41.4

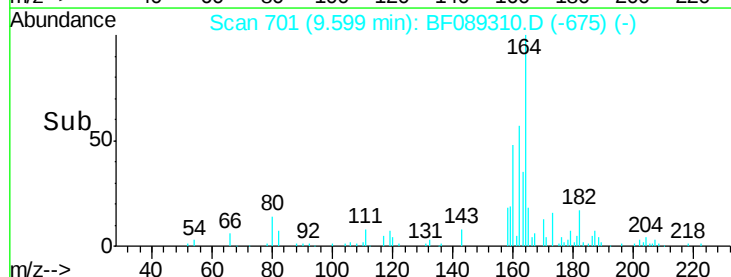
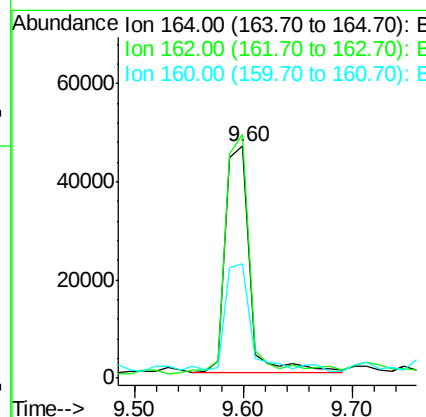
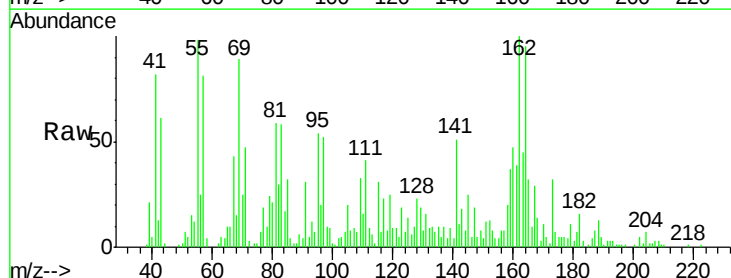
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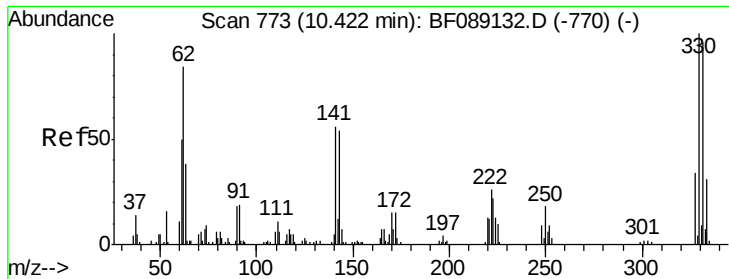
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#38
Acenaphthene-d10
Concen: 20.00 ng/mL
RT: 9.60 min Scan# 701
Delta R.T. 0.00 min
Lab File: BF089310.D
Acq: 26 Jul 2016 13:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	84.1	126.1
160	49.4	37.1	55.7





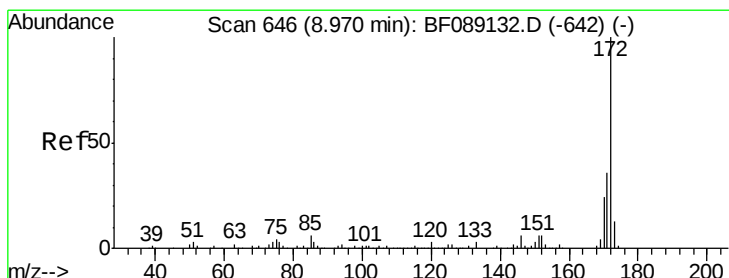
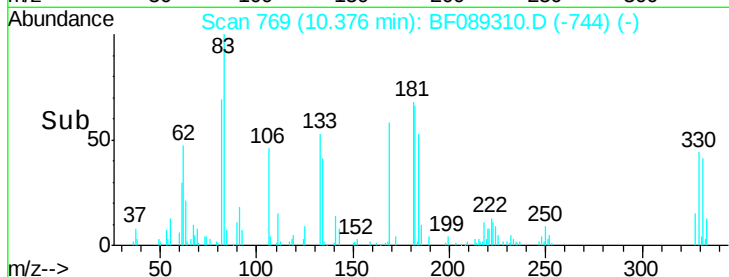
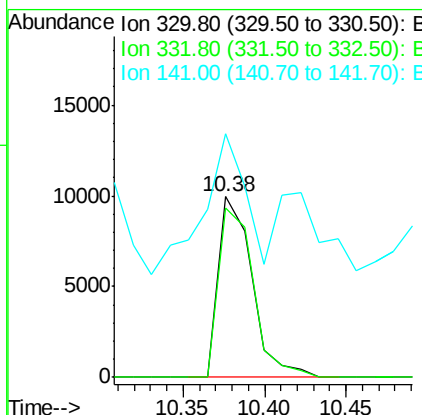
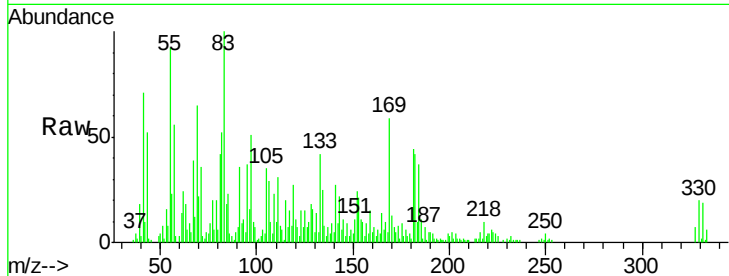
#41
 2,4,6-Tribromophenol
 Concen: 22.10 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF089310.D
 Acq: 26 Jul 2016 13:34

Instrument :
 BNA_F
 ClientSampled :
 NW-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.2	115.8
141	98.0	42.2	63.2

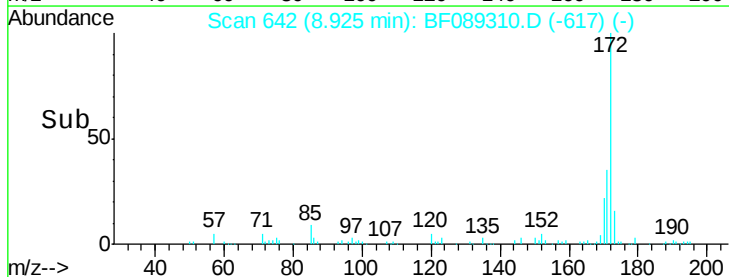
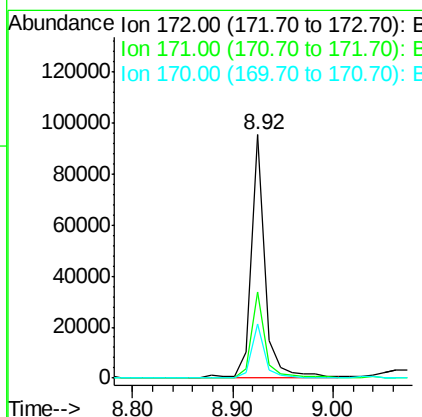
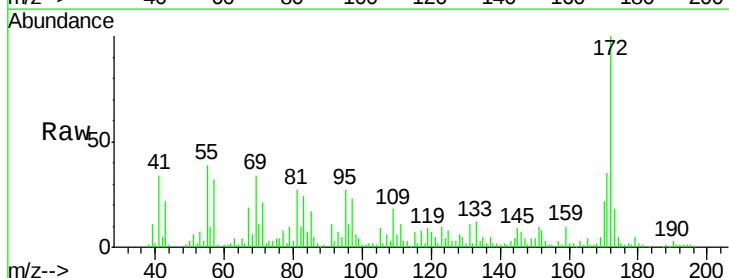
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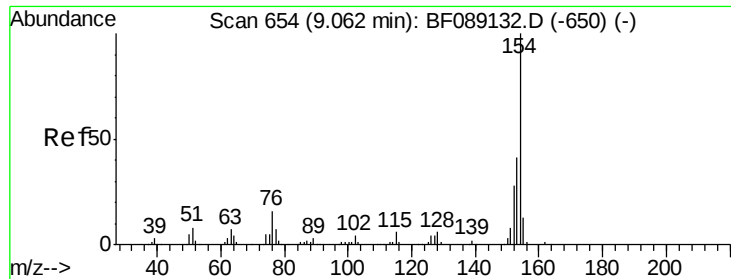
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#44
 2-Fluorobiphenyl
 Concen: 17.87 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF089310.D
 Acq: 26 Jul 2016 13:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.2	43.8
170	22.5	19.1	28.7





#45

1,1'-Biphenyl

Concen: 6.34 ng

RT: 9.03 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF089310.D

Acq: 26 Jul 2016 13:34

Instrument :

BNA_F

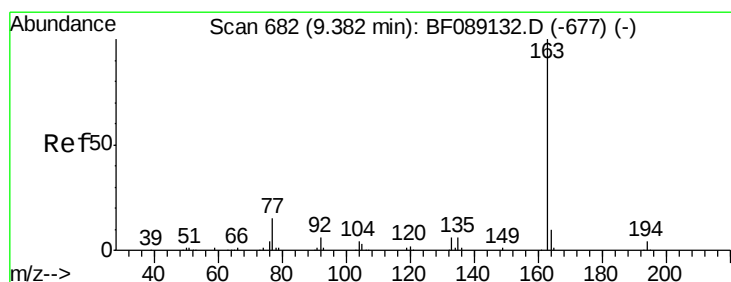
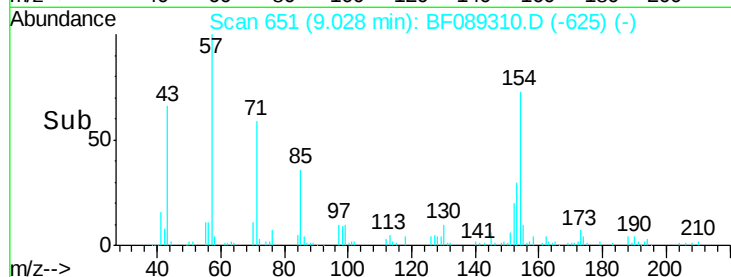
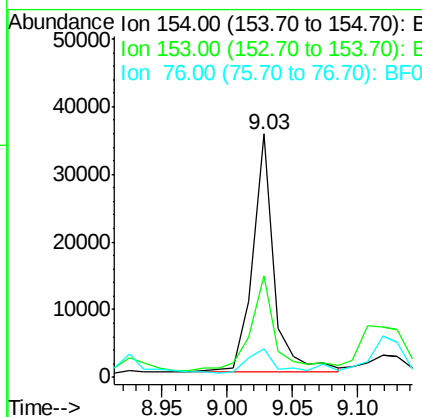
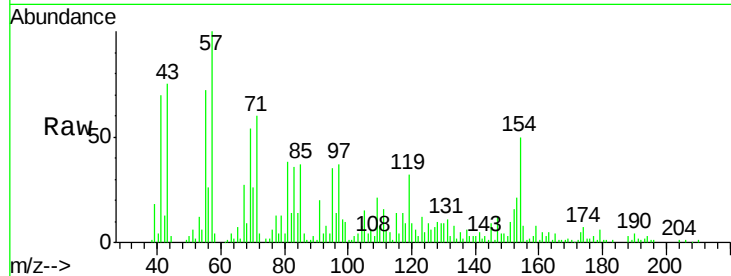
ClientSampled :

NW-2

Tot Ion:	154	Resp:	40653
Ion Ratio	Lower	Upper	
154	100		
153	41.9	21.1	61.1
76	11.7	0.0	35.8

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#49

Dimethylphthalate

Concen: 6.54 ng

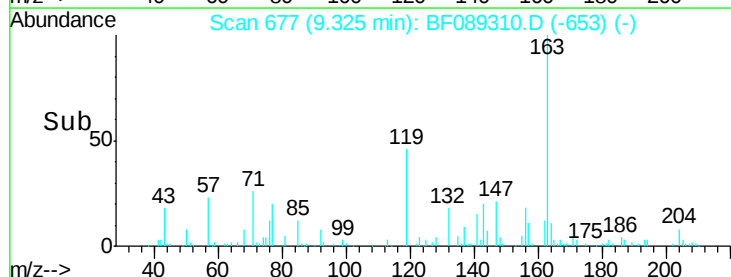
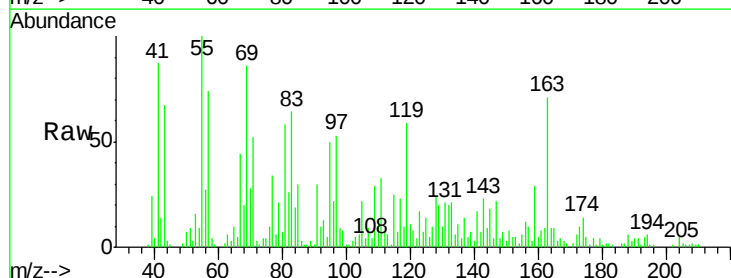
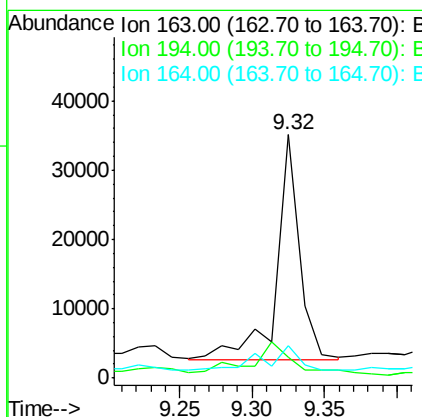
RT: 9.32 min Scan# 677

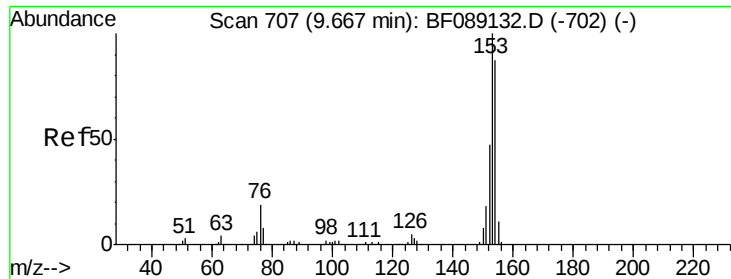
Delta R.T. -0.02 min

Lab File: BF089310.D

Acq: 26 Jul 2016 13:34

Tgt Ion:	163	Resp:	35710
Ion Ratio	Lower	Upper	
163	100		
194	8.5	2.9	4.3#
164	13.4	7.6	11.4#





#51

Acenaphthene

Concen: 7.69 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF089310.D

Acq: 26 Jul 2016 13:34

Instrument :

BNA_F

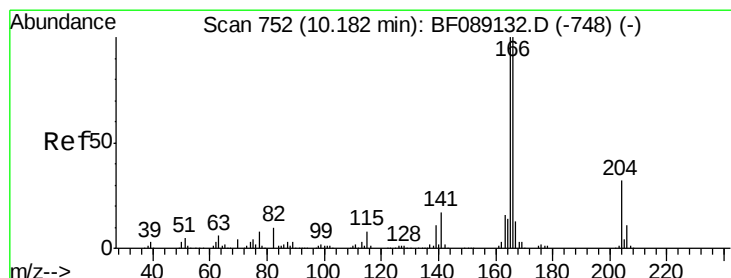
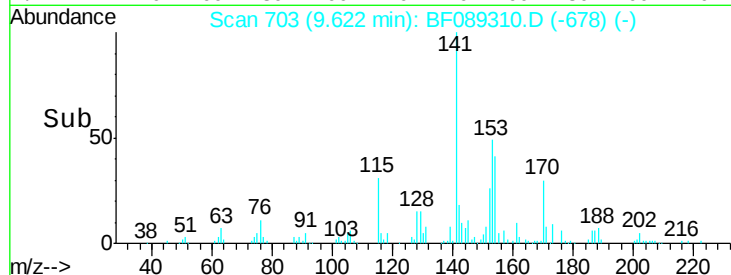
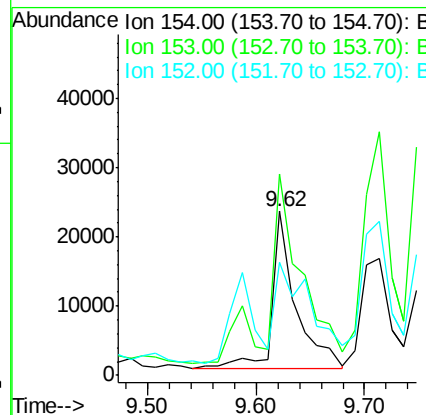
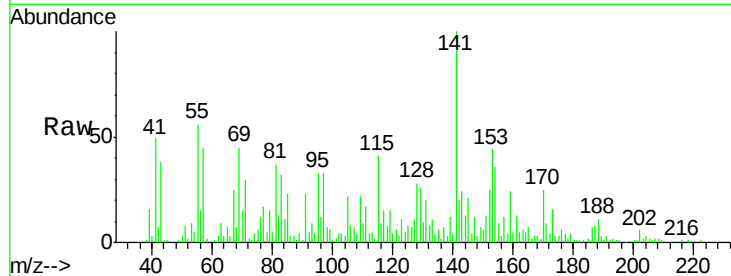
ClientSampled :

NW-2

Tot Ion	Ratio	Lower	Upper
154	100		
153	122.6	91.9	137.9
152	69.2	42.8	64.2#

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#57

Fluorene

Concen: 14.10 ng

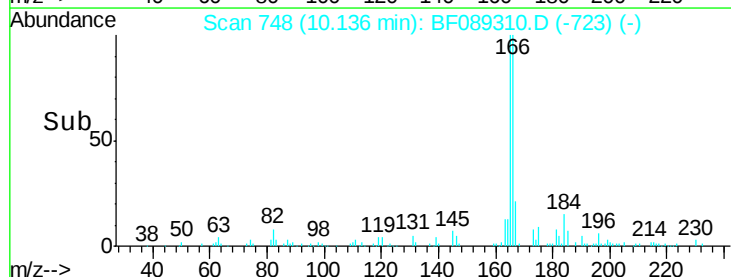
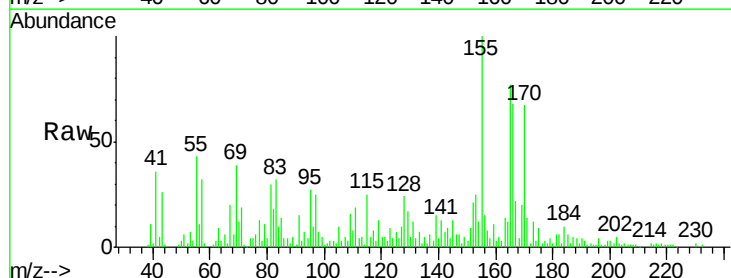
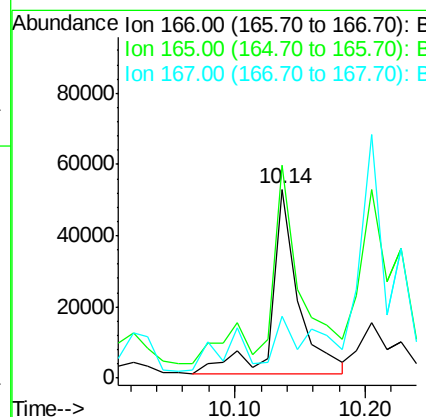
RT: 10.14 min Scan# 748

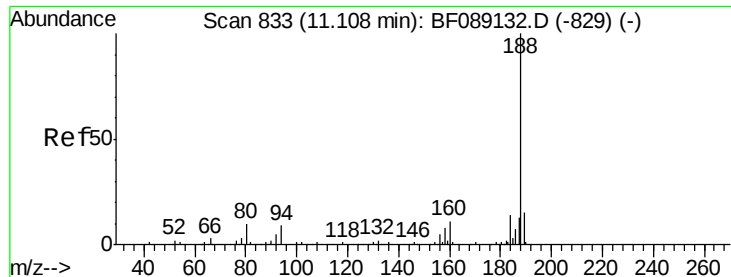
Delta R.T. -0.01 min

Lab File: BF089310.D

Acq: 26 Jul 2016 13:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.3	79.9	119.9
167	32.4	10.7	16.1#





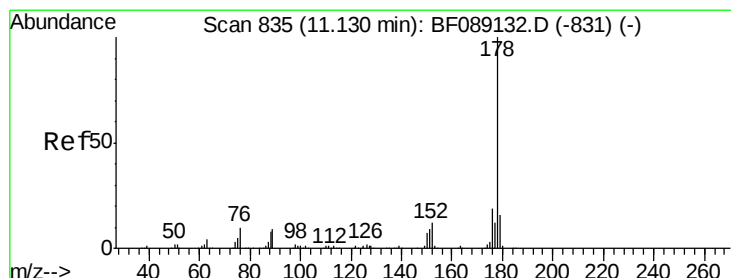
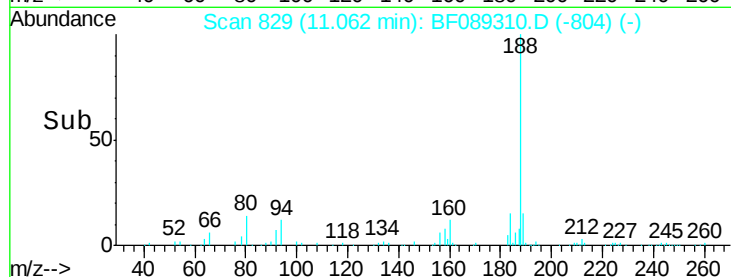
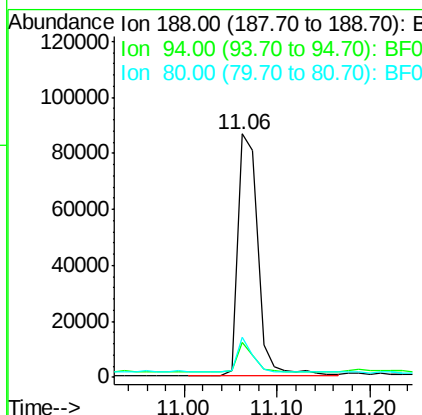
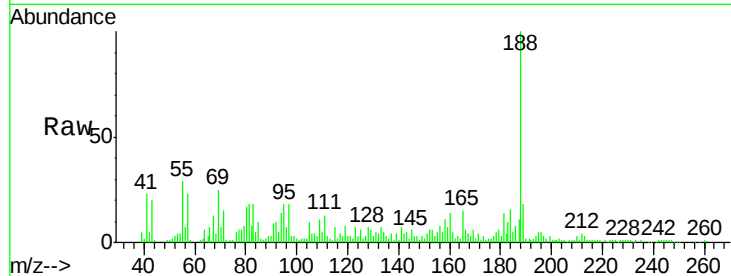
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF089310.D
Acq: 26 Jul 2016 13:34

Instrument :
BNA_F
ClientSampled :
NW-2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	14.4	7.0	10.4#
80	16.7	7.7	11.5#

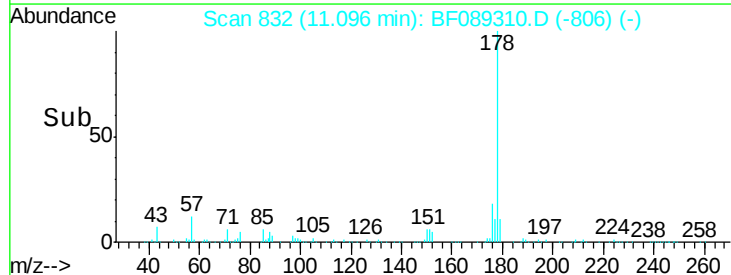
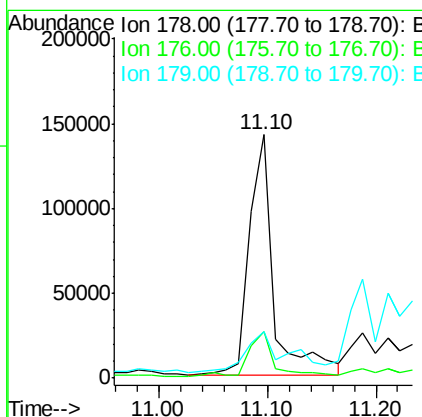
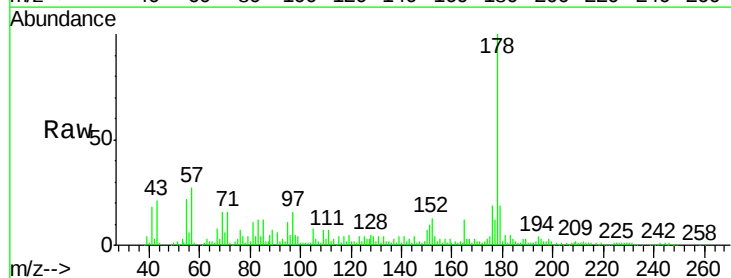
Manual Integrations
APPROVED

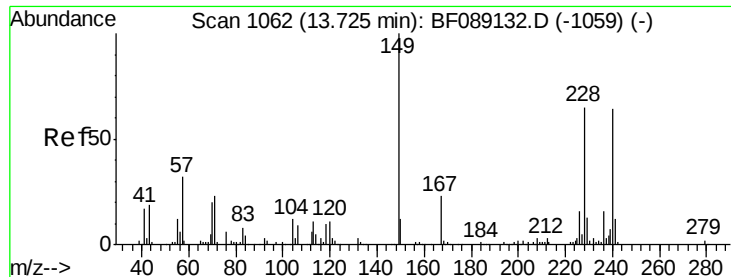
sohil
7/27/2016 7:11:58 PM



#70
Phenanthrene
Concen: 30.48 ng
RT: 11.10 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF089310.D
Acq: 26 Jul 2016 13:34

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	15.6	23.4
179	19.3	12.4	18.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF089310.D

Acq: 26 Jul 2016 13:34

Instrument :

BNA_F

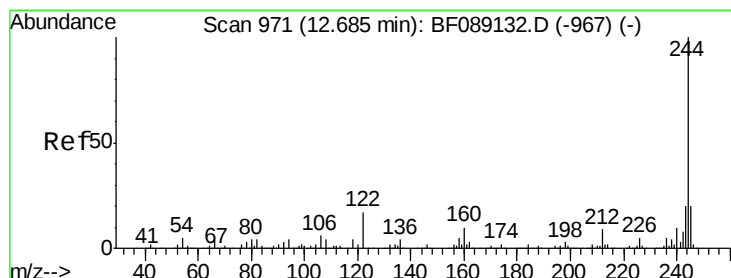
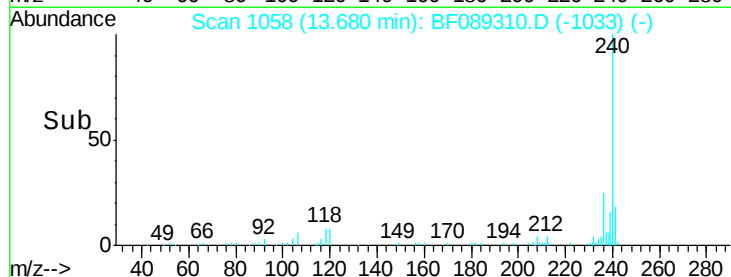
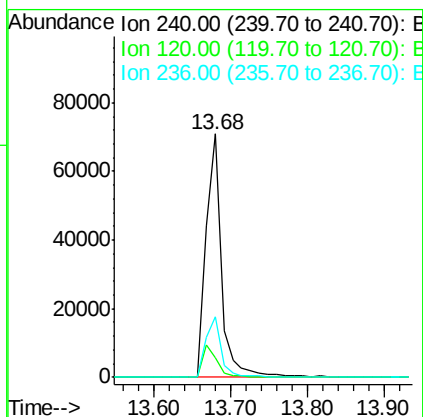
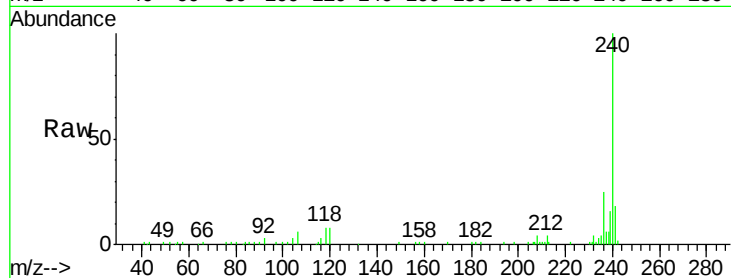
ClientSampleId :

NW-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.2	13.6	20.4#
236	24.7	20.5	30.7

Manual Integrations
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7/27/2016 7:11:58 PM



#78

Terphenyl-d14

Concen: 16.97 ng

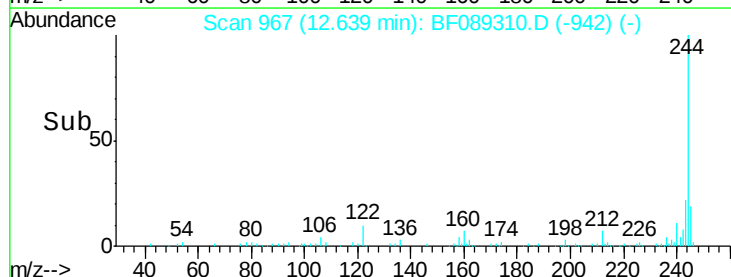
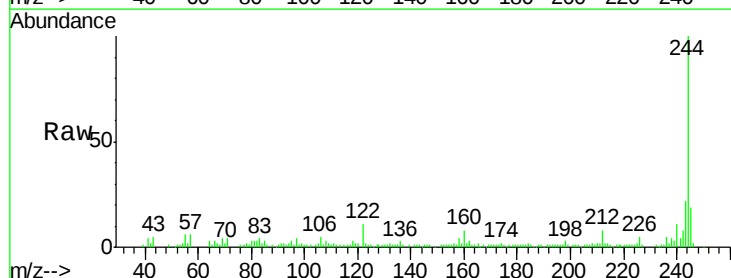
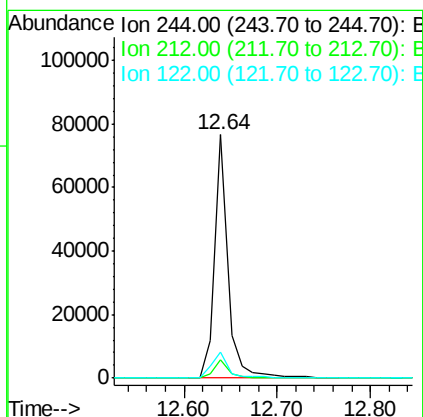
RT: 12.64 min Scan# 967

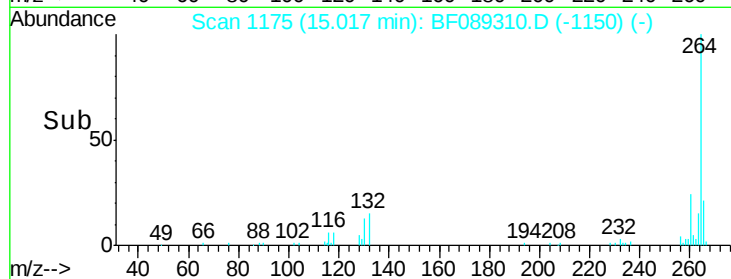
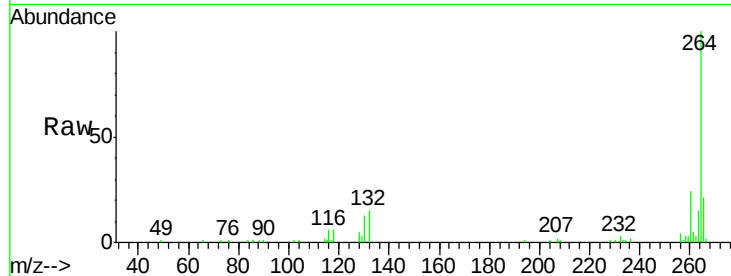
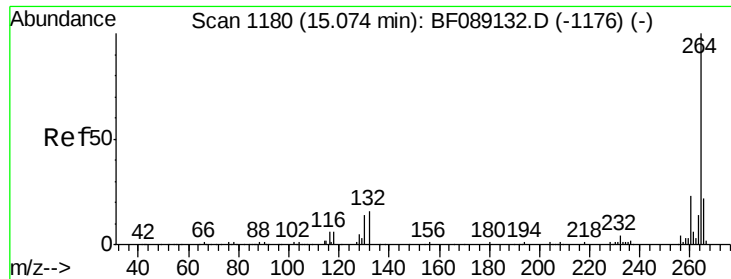
Delta R.T. -0.01 min

Lab File: BF089310.D

Acq: 26 Jul 2016 13:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	7.0	10.4
122	10.9	13.8	20.8#





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.02 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BF089310.D
 Acq: 26 Jul 2016 13:34

Instrument :
 BNA_F
 ClientSampleId :
 NW-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.5	27.7
265	21.0	17.3	25.9

Manual Integrations
 APPROVED

sohil
 7/27/2016 7:11:58 PM

