

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\
 Data File : BF088899.D
 Acq On : 11 Jul 2016 15:05
 Operator : UM/SJ
 Sample : H3948-01 4X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NC-01

Manual Integrations

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 7/12/2016 7:36:45 PM

Quant Time: Jul 11 18:17:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	74467	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	277172	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	122684	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	217871	20.00	ng	0.00
75) Chrysene-d12	13.84	240	145393	20.00	ng	-0.01
86) Perylene-d12	15.21	264	142581	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	176214	35.46	ng	0.00
7) Phenol-d6	6.34	99	235035	36.61	ng	-0.01
23) Nitrobenzene-d5	7.27	82	135753	25.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	49029	43.04	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	245603	31.62	ng	0.00
78) Terphenyl-d14	12.80	244	150232	23.01	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.46	163	40652	4.65	ng	99
57) Fluorene	10.28	166	21788	2.78	ng	98
70) Phenanthrene	11.25	178	135013	11.34	ng	97
71) Anthracene	11.29	178	47929	4.05	ng	97
74) Fluoranthene	12.42	202	171083	14.17	ng	97
77) Pyrene	12.65	202	146242	11.86	ng	98
80) Benzo(a)anthracene	13.83	228	61414m	6.56	ng	
82) Chrysene	13.86	228	60776m	6.56	ng	
85) Indeno(1,2,3-cd)pyrene	16.49	276	28729	4.03	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	68748m	7.69	ng	
88) Benzo(k)fluoranthene	14.86	252	23416m	3.01	ng	
89) Benzo(a)pyrene	15.15	252	51018	6.74	ng	97
91) Benzo(a,h,i)perylene	16.88	276	30110	4.60	ng	94

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

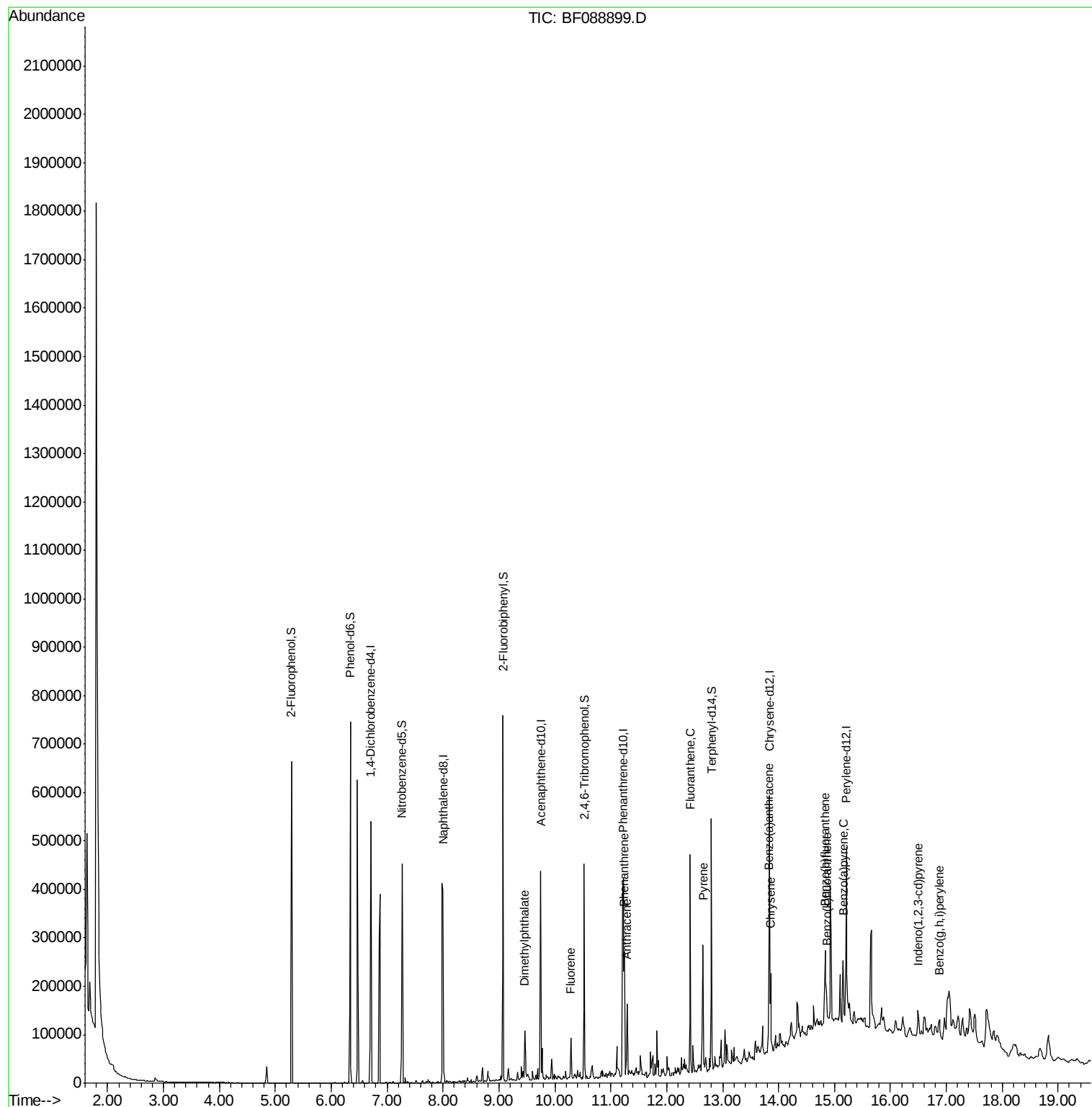
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\
Data File : BF088899.D
Acq On : 11 Jul 2016 15:05
Operator : UM/SJ
Sample : H3948-01 4X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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Manual Integrations

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#1

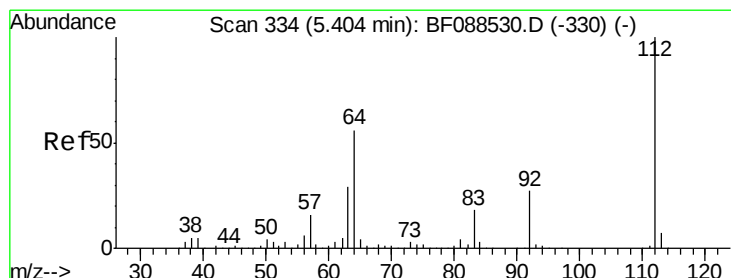
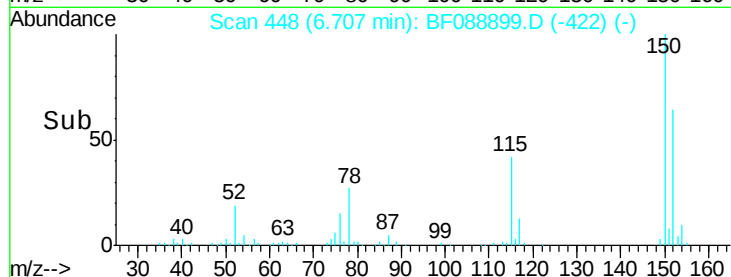
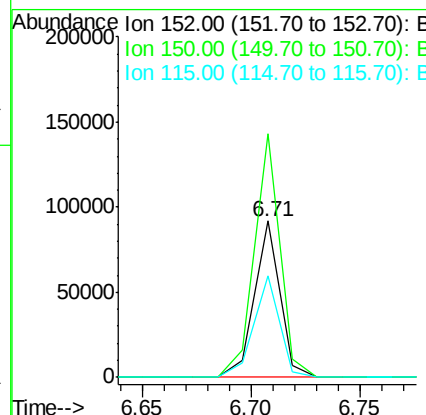
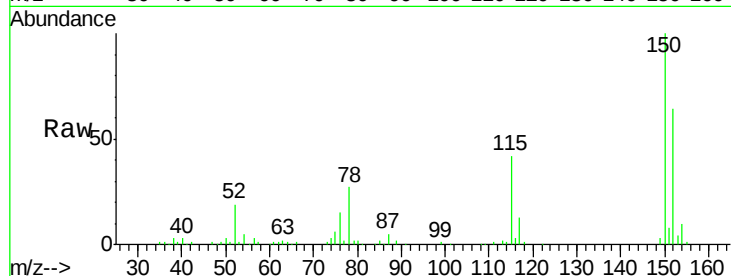
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF088899.D
Acq: 11 Jul 2016 15:05

Instrument :
BNA_F
ClientSampleId :
NC-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.8	185.6
115	65.2	39.6	59.4

Manual Integrations

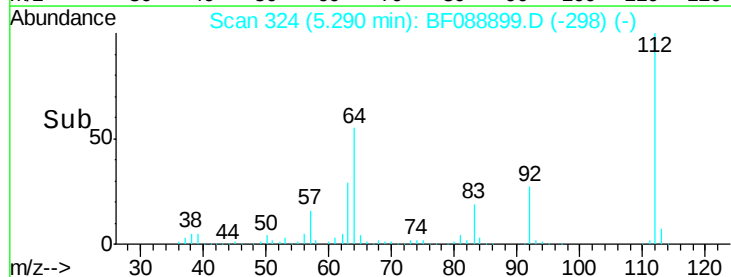
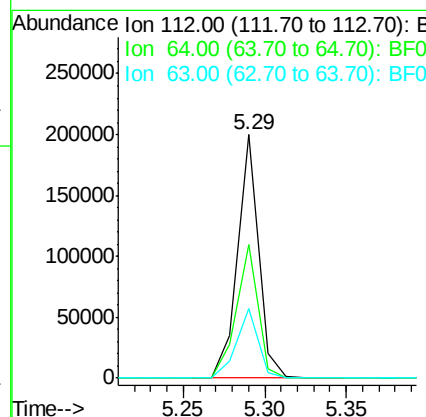
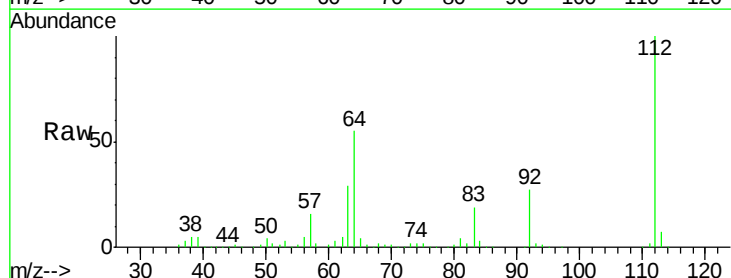
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#5

2-Fluorophenol
Concen: 35.46 ng
RT: 5.29 min Scan# 324
Delta R.T. 0.00 min
Lab File: BF088899.D
Acq: 11 Jul 2016 15:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	42.2	63.2
63	28.8	21.8	32.8





#7

Phenol-d6

Concen: 36.61 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088899.D

Acq: 11 Jul 2016 15:05

Instrument :

BNA_F

ClientSampleId :

NC-01

Tot Ion: 99 Resp: 235035

Ion Ratio Lower Upper

99 100

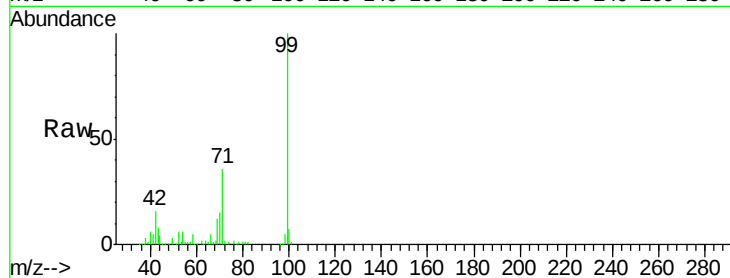
42 16.0 12.2 18.2

71 36.0 23.4 35.0#

Manual Integrations

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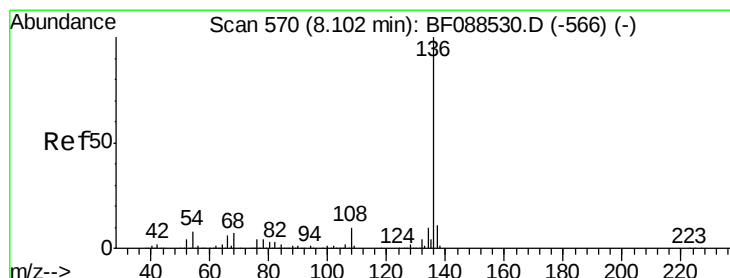
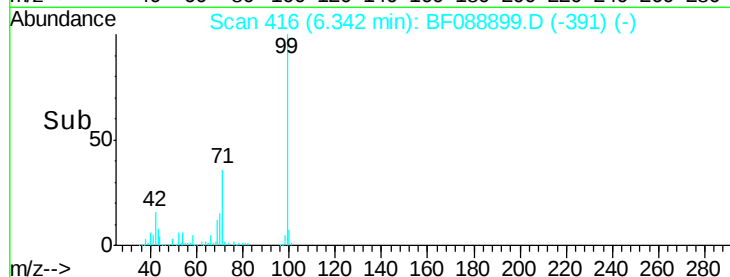
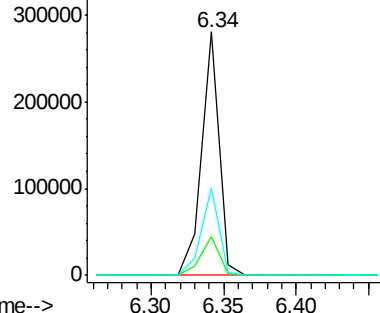
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF088899.D

Acq: 11 Jul 2016 15:05

Tgt Ion: 136 Resp: 277172

Ion Ratio Lower Upper

136 100

137 10.2 9.1 13.7

54 4.8 6.6 10.0#

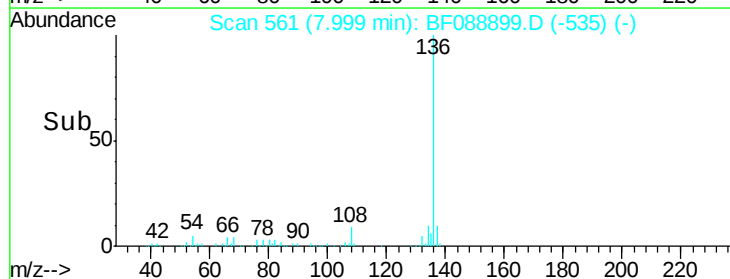
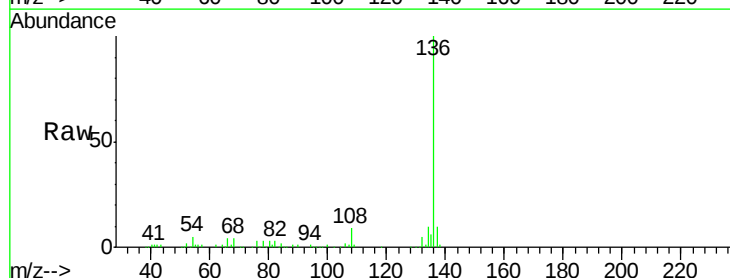
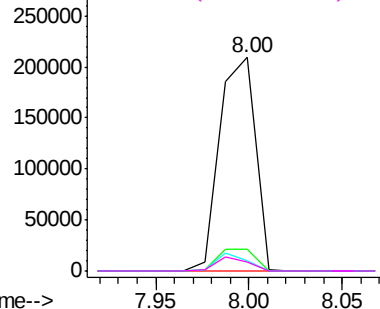
68 4.3 5.1 7.7#

Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





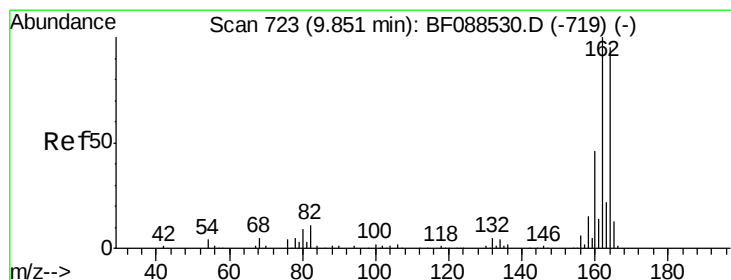
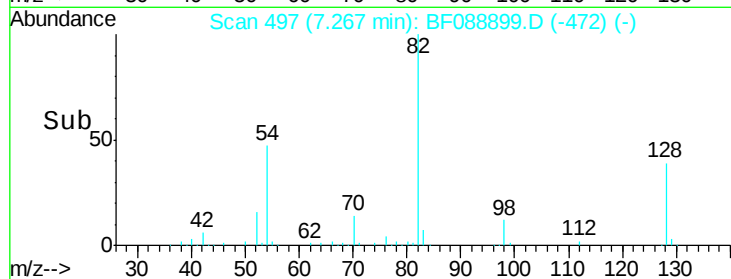
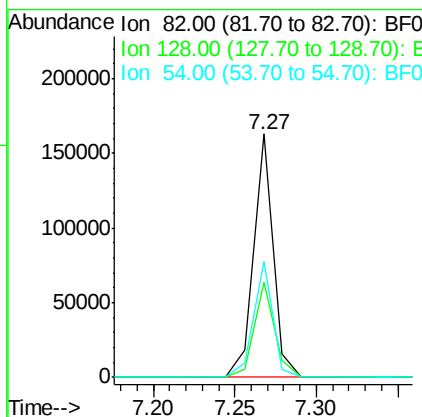
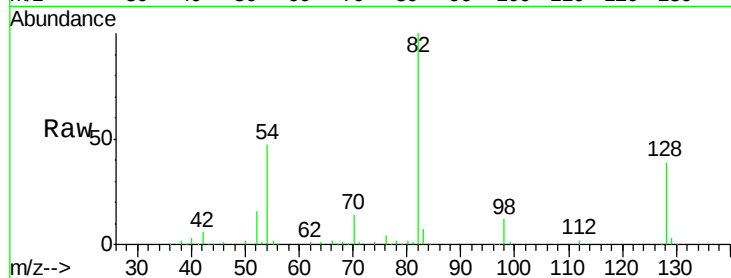
#23
 Nitrobenzene-d5
 Concen: 25.67 ng
 RT: 7.27 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: BF088899.D
 Acq: 11 Jul 2016 15:05

Instrument :
 BNA_F
 ClientSampled :
 NC-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.2	35.9	53.9
54	47.4	40.9	61.3

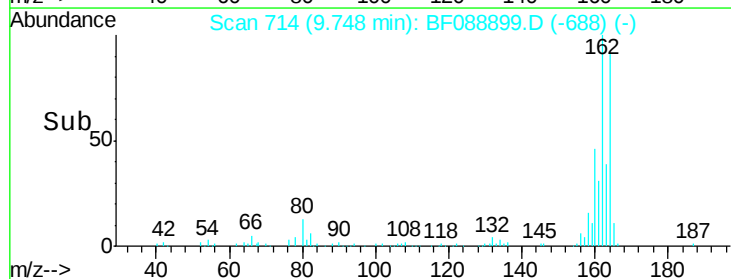
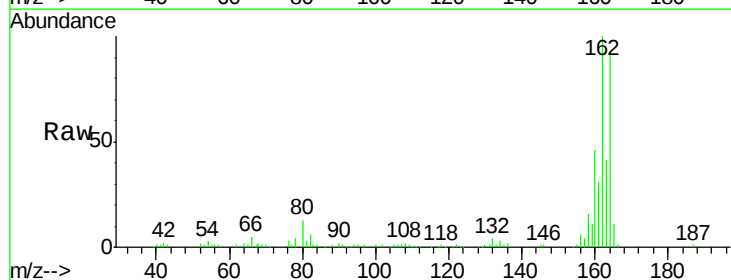
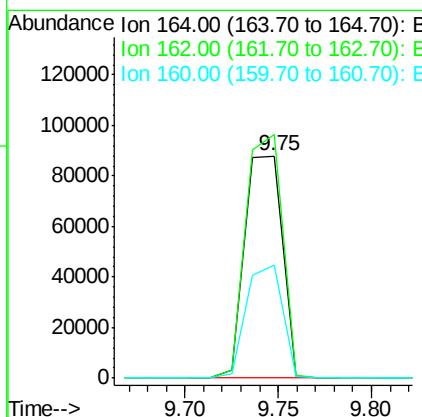
Manual Integrations

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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: BF088899.D
 Acq: 11 Jul 2016 15:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	109.5	85.4	128.2
160	50.9	39.5	59.3





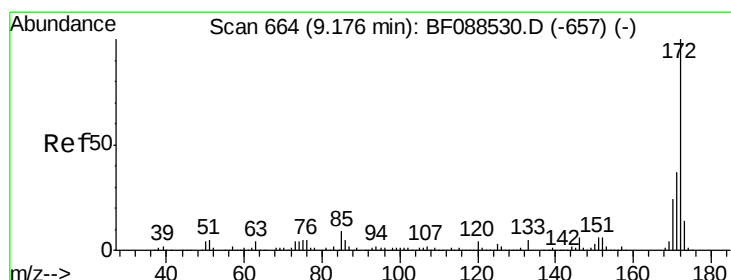
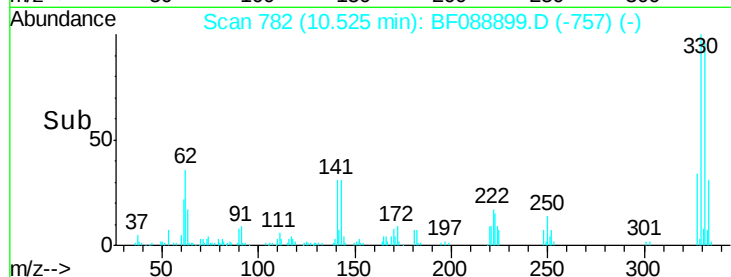
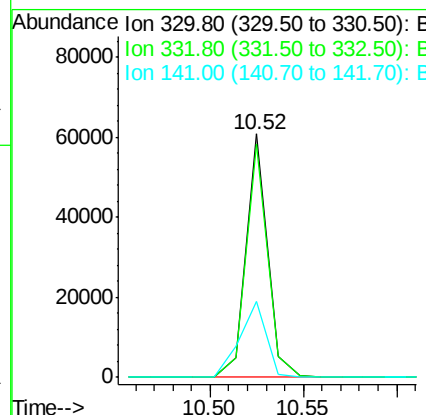
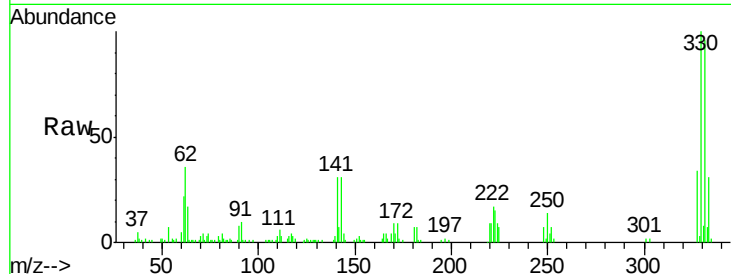
#41
 2,4,6-Tribromophenol
 Concen: 43.04 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088899.D
 Acq: 11 Jul 2016 15:05

Instrument :
 BNA_F
 ClientSampleId :
 NC-01

Tot Ion:	330	Resp:	49029
Ion Ratio	Lower	Upper	
330	100		
332	96.1	0.0	0.0#
141	38.5	0.0	0.0#

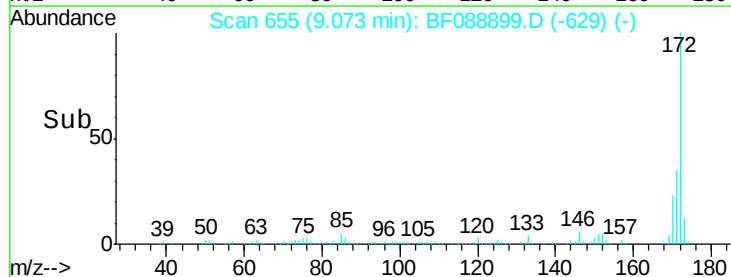
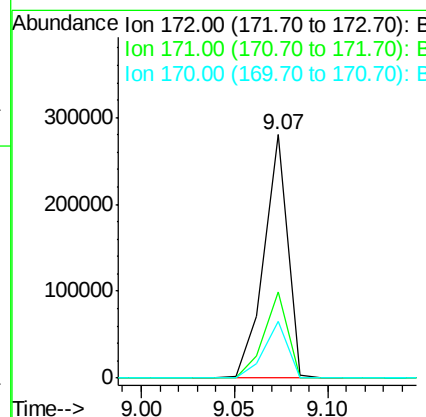
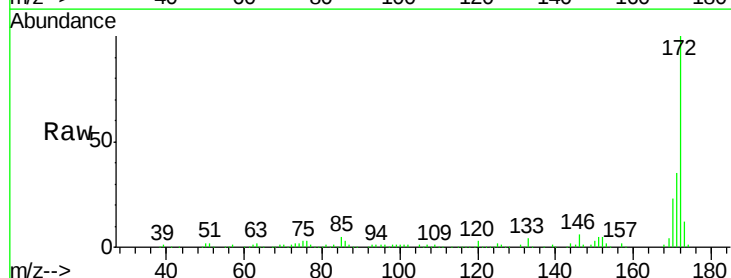
Manual Integrations

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#44
 2-Fluorobiphenyl
 Concen: 31.62 ng
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF088899.D
 Acq: 11 Jul 2016 15:05

Tgt Ion:	172	Resp:	245603
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.6	43.0
170	23.1	19.2	28.8





#49

Dimethylphthalate

Concen: 4.65 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF088899.D

Acq: 11 Jul 2016 15:05

Instrument :

BNA_F

ClientSampled :

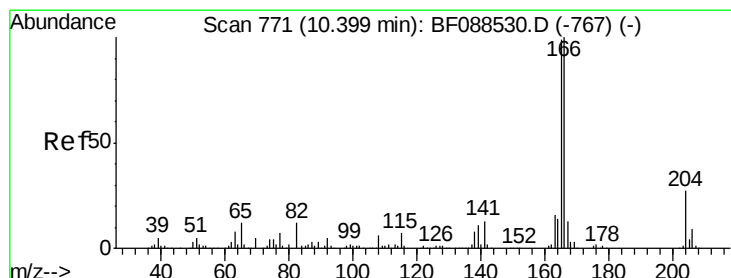
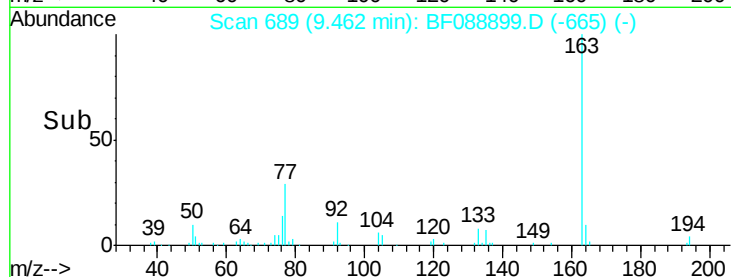
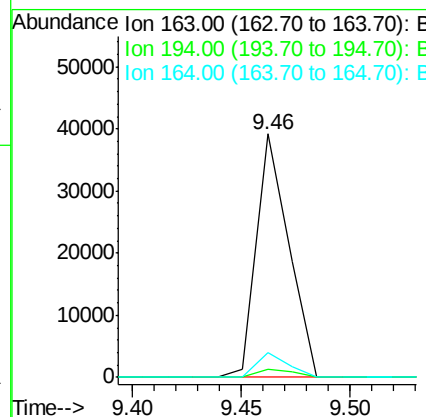
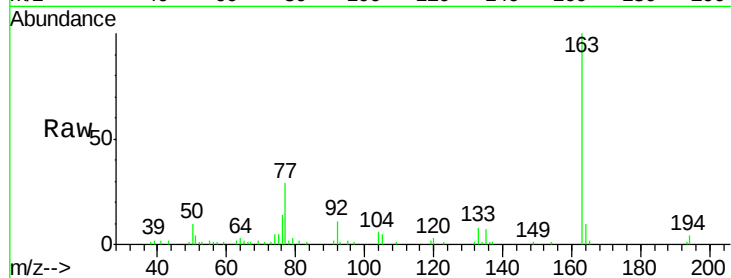
NC-01

Tot Ion:	163	Resp:	40652
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.8	4.2
164	10.1	8.3	12.5

Manual Integrations

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7/12/2016 7:36:45 PM



#57

Fluorene

Concen: 2.78 ng

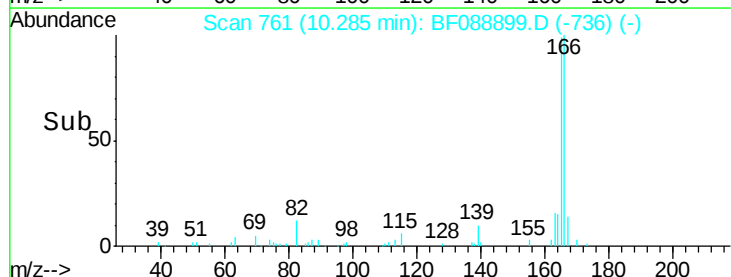
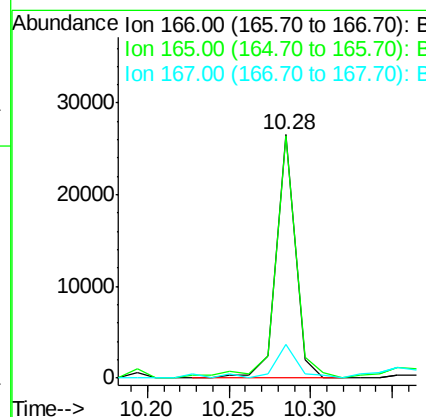
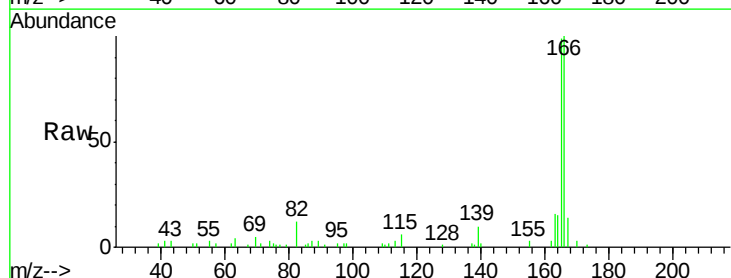
RT: 10.28 min Scan# 761

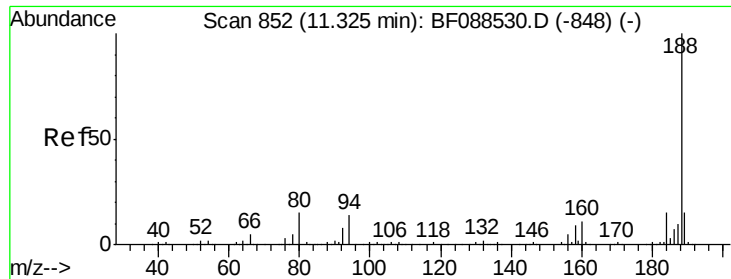
Delta R.T. -0.01 min

Lab File: BF088899.D

Acq: 11 Jul 2016 15:05

Tgt Ion:	166	Resp:	21788
Ion Ratio	Lower	Upper	
166	100		
165	99.5	77.8	116.8
167	14.0	11.2	16.8





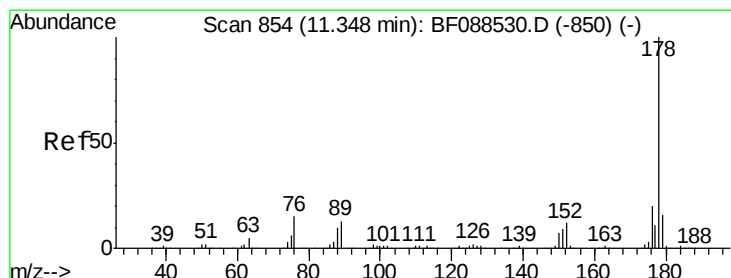
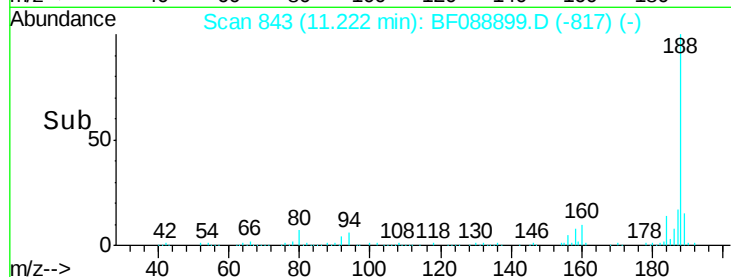
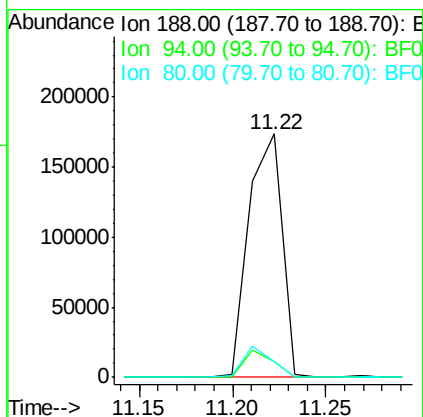
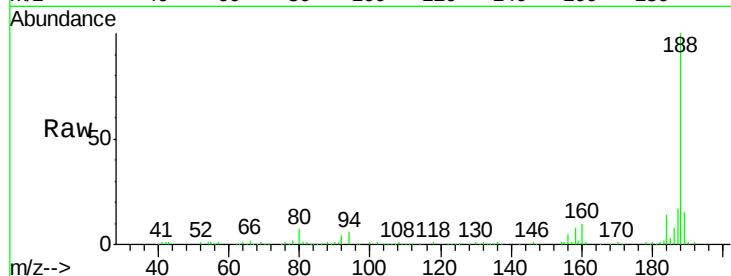
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 843
Delta R.T. 0.00 min
Lab File: BF088899.D
Acq: 11 Jul 2016 15:05

Instrument :
BNA_F
ClientSampleId :
NC-01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	217871		
94	6.4	9.0	13.6	
80	6.7	10.0	15.0	

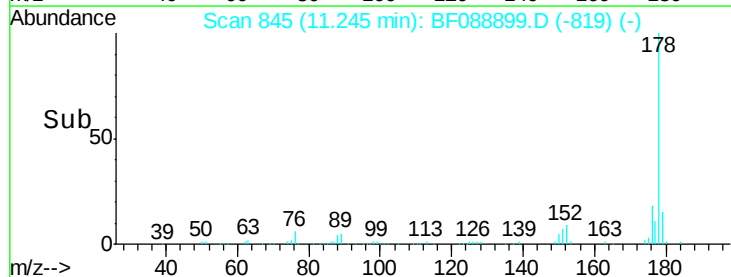
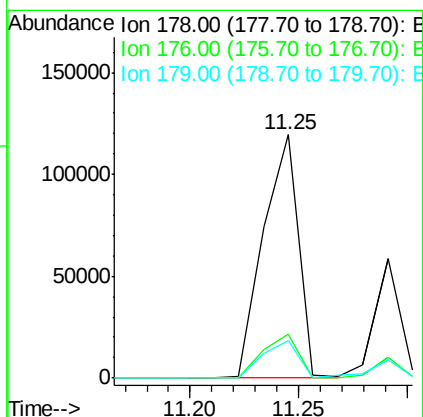
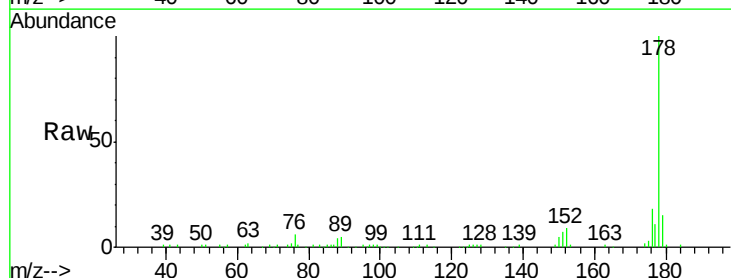
Manual Integrations

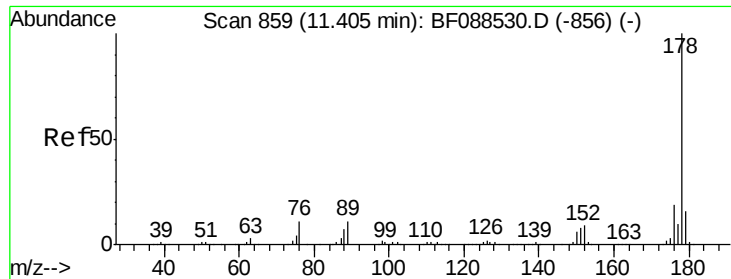
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#70
Phenanthrene
Concen: 11.34 ng
RT: 11.25 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF088899.D
Acq: 11 Jul 2016 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	135013		
176	18.3	15.8	23.6	
179	15.3	13.0	19.4	





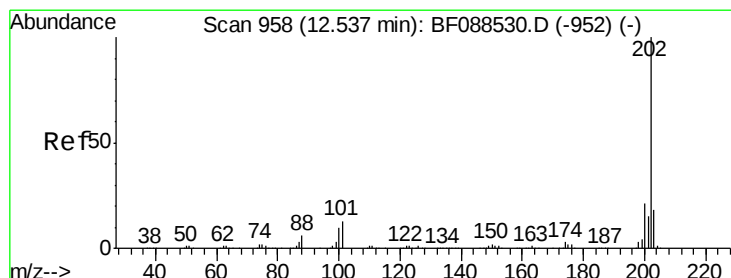
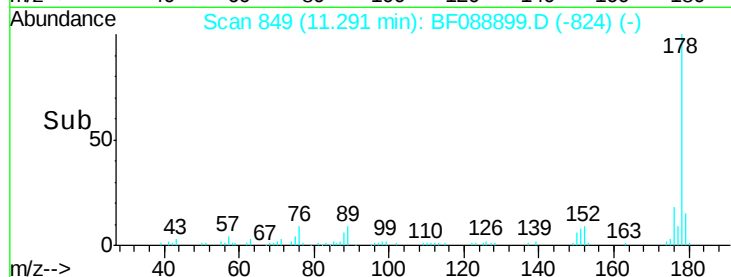
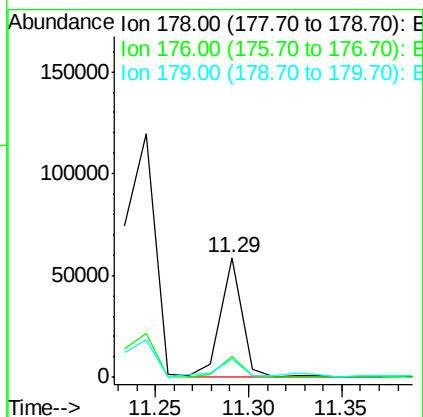
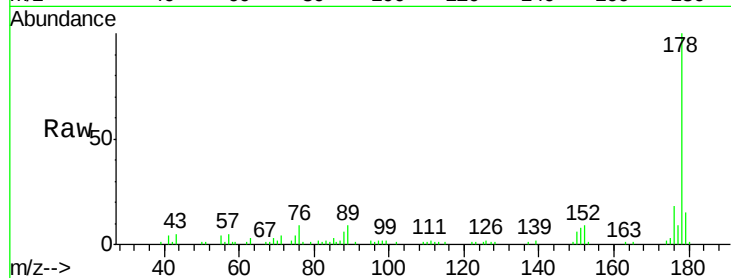
#71
 Anthracene
 Concen: 4.05 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: BF088899.D
 Acq: 11 Jul 2016 15:05

Instrument :
 BNA_F
 ClientSampleId :
 NC-01

Tot Ion:178 Resp: 47929
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.6 23.4
 179 15.2 12.8 19.2

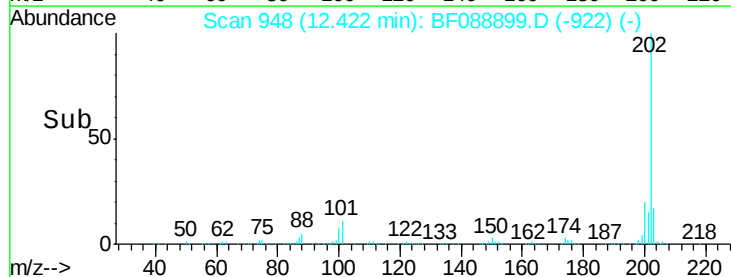
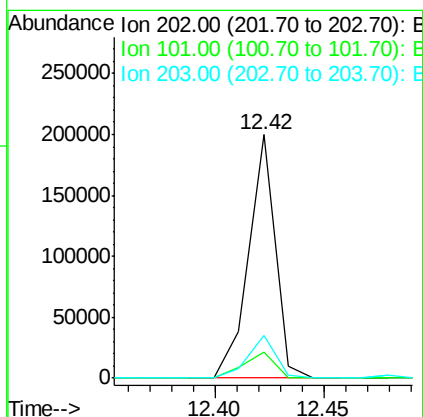
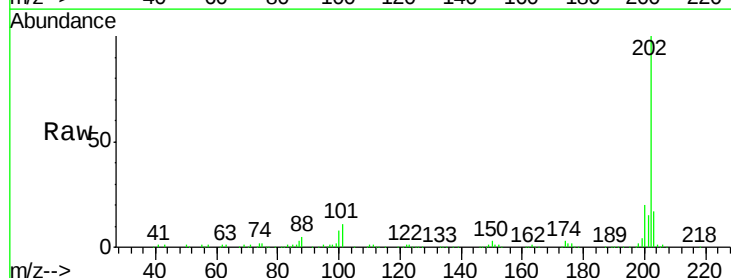
Manual Integrations

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#74
 Fluoranthene
 Concen: 14.17 ng
 RT: 12.42 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF088899.D
 Acq: 11 Jul 2016 15:05

Tgt Ion:202 Resp: 171083
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 33.1
 203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088899.D

Acq: 11 Jul 2016 15:05

Instrument :

BNA_F

ClientSampleId :

NC-01

Tot Ion:240 Resp: 145393

Ion Ratio Lower Upper

240 100

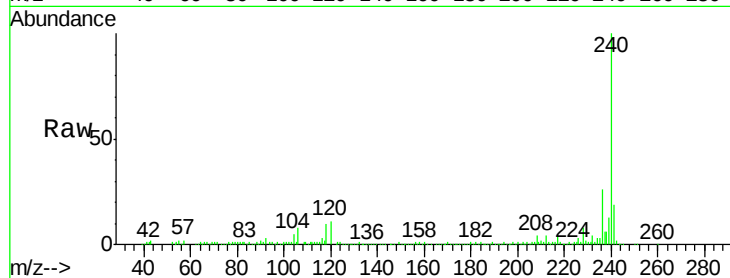
120 11.1 6.8 10.2#

236 25.8 20.2 30.2

Manual Integrations

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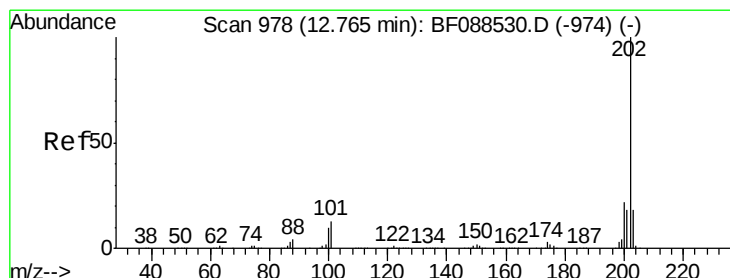
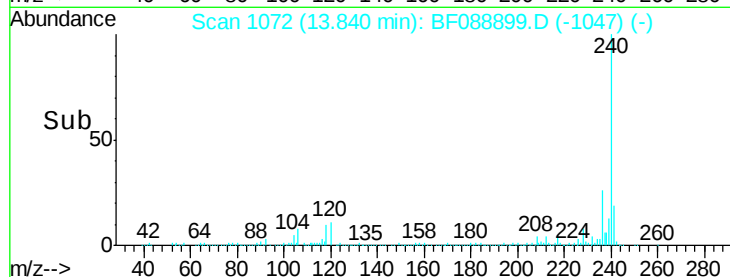
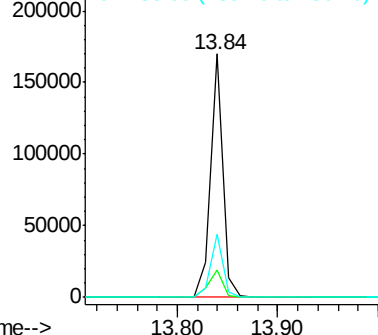
7/12/2016 7:36:45 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 11.86 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF088899.D

Acq: 11 Jul 2016 15:05

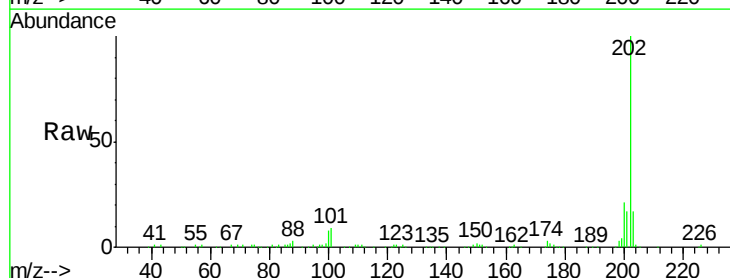
Tgt Ion:202 Resp: 146242

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

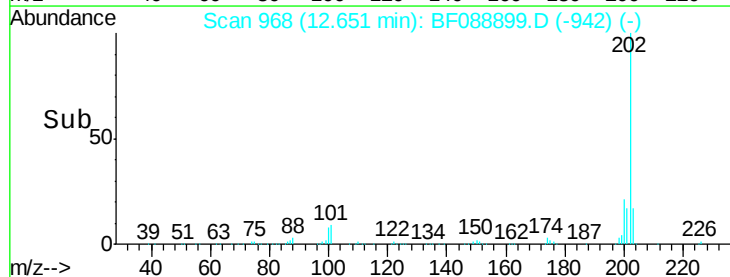
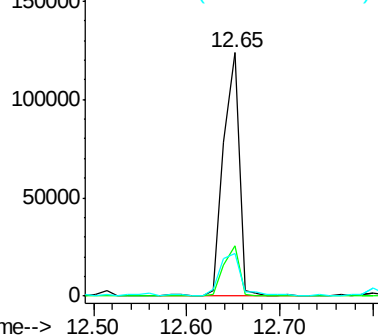
203 17.4 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





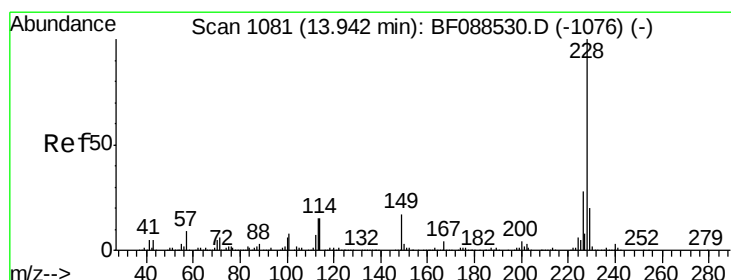
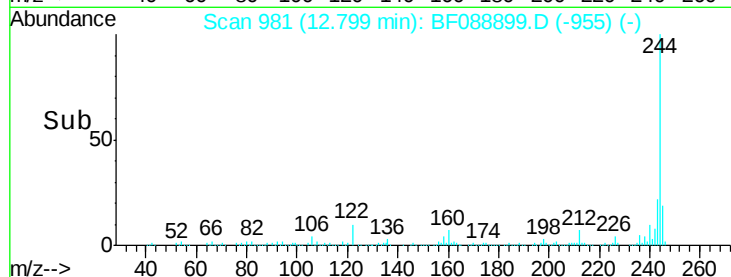
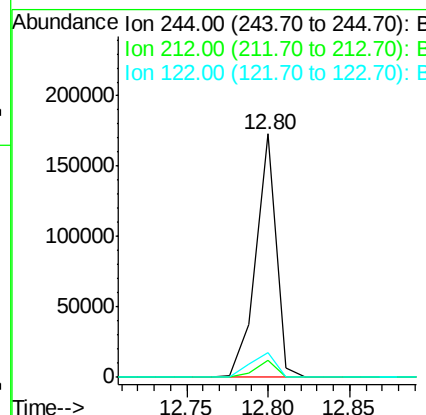
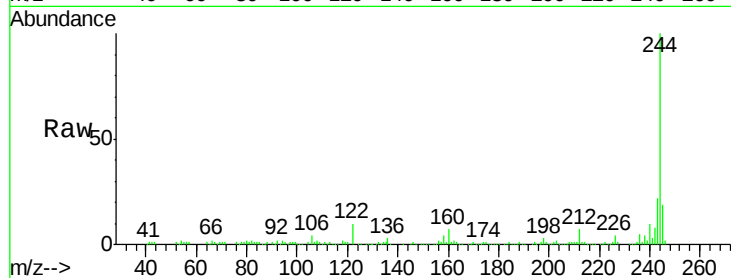
#78
 Terphenyl-d14
 Concen: 23.01 ng
 RT: 12.80 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BF088899.D
 Acq: 11 Jul 2016 15:05

Instrument :
 BNA_F
 ClientSampleId :
 NC-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	10.3	11.2	16.8

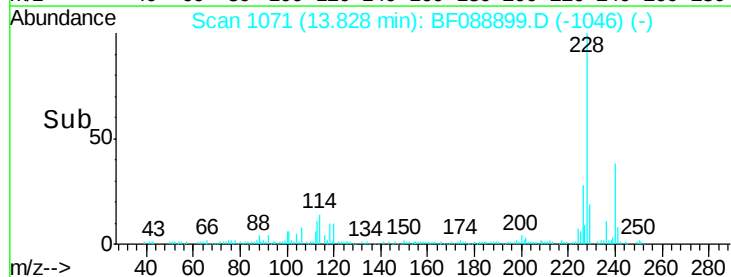
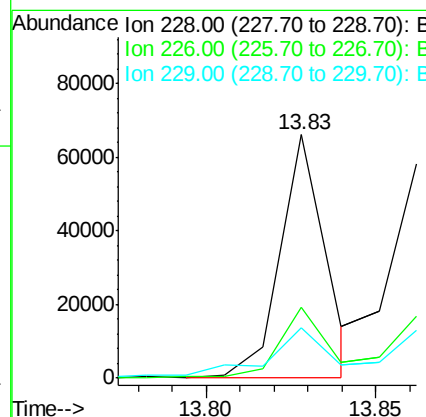
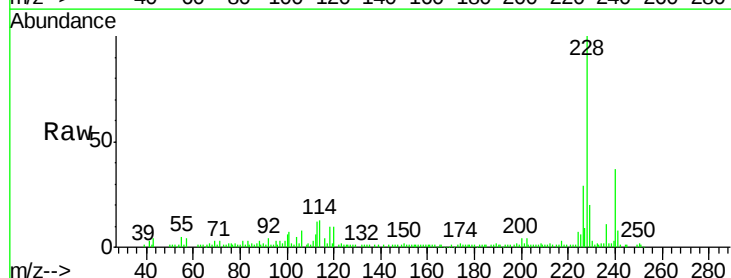
Manual Integrations

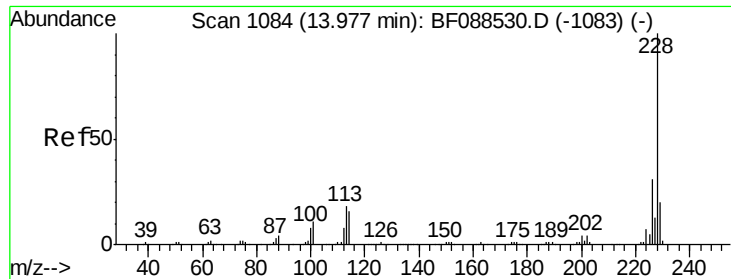
sohil
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#80
 Benzo(a)anthracene
 Concen: 6.56 ng m
 RT: 13.83 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BF088899.D
 Acq: 11 Jul 2016 15:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.3	33.5
229	20.4	16.0	24.0





#82

Chrysene

Concen: 6.56 ng/mL

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF088899.D

Acq: 11 Jul 2016 15:05

Instrument :

BNA_F

ClientSampleId :

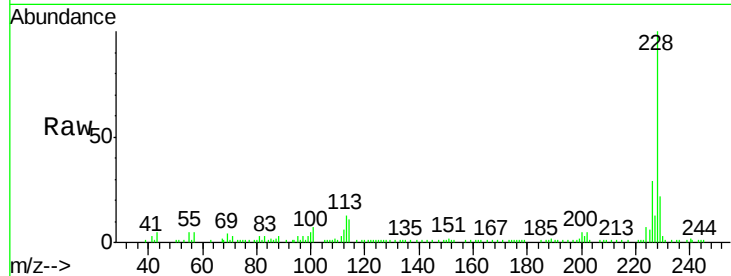
NC-01

Tot Ion:	228	Resp:	60776
Ion Ratio	Lower	Upper	
228	100		
226	29.1	25.4	38.2
229	22.1	16.3	24.5

Manual Integrations

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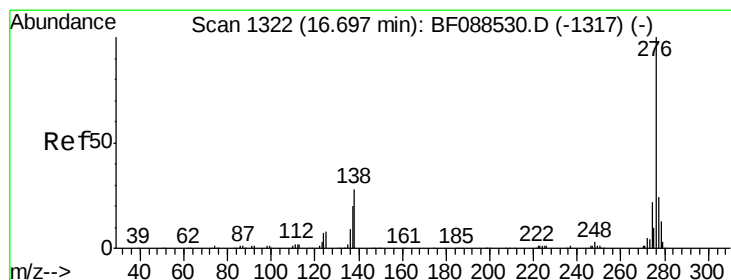
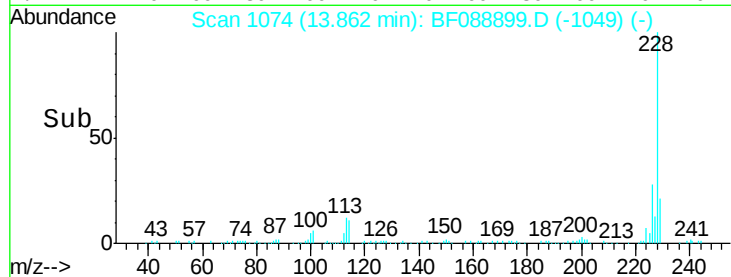
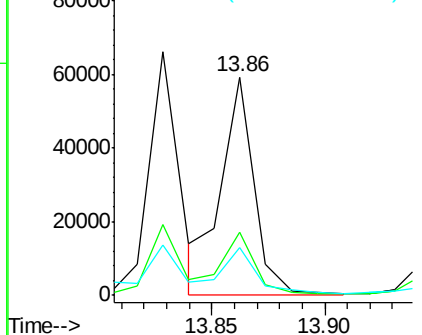
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.03 ng/mL

RT: 16.49 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF088899.D

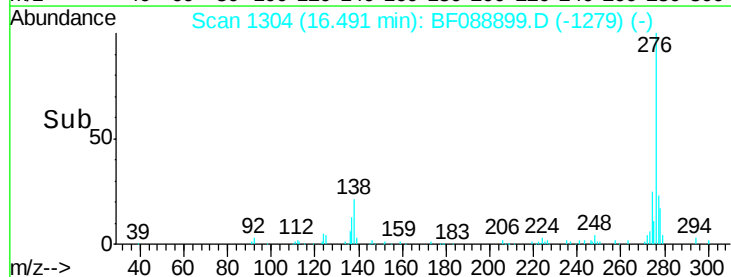
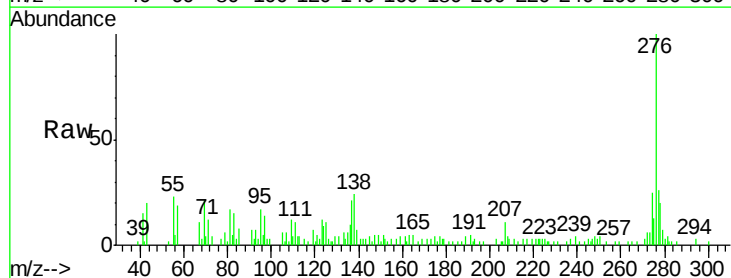
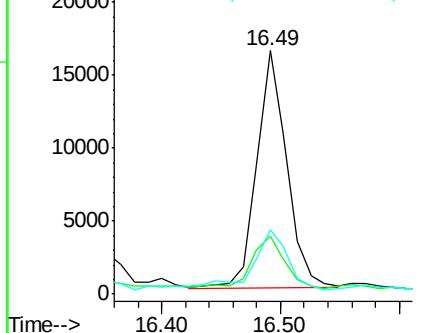
Acq: 11 Jul 2016 15:05

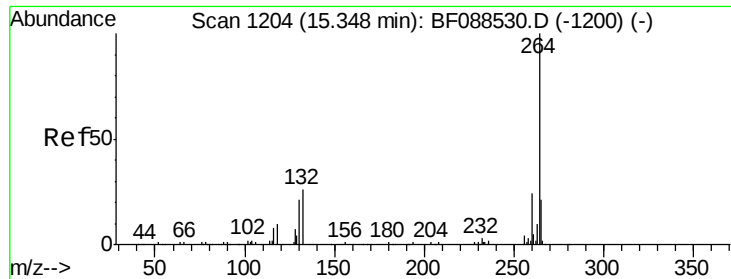
Tgt Ion:	276	Resp:	28729
Ion Ratio	Lower	Upper	
276	100		
138	24.9	0.0	0.0#
277	29.3	0.0	0.0#

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





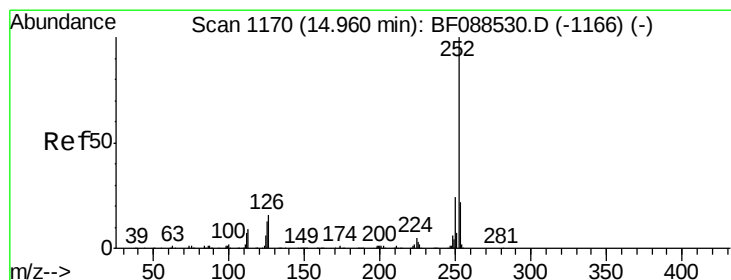
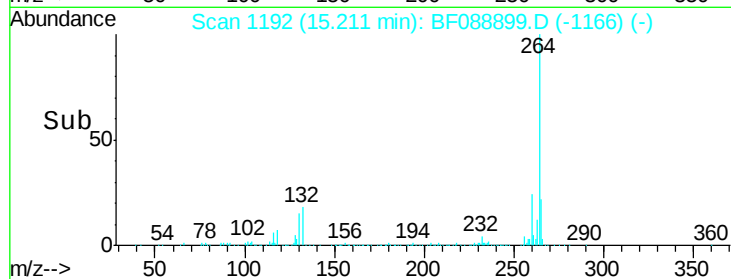
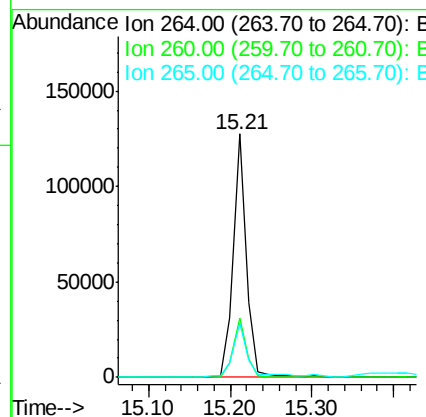
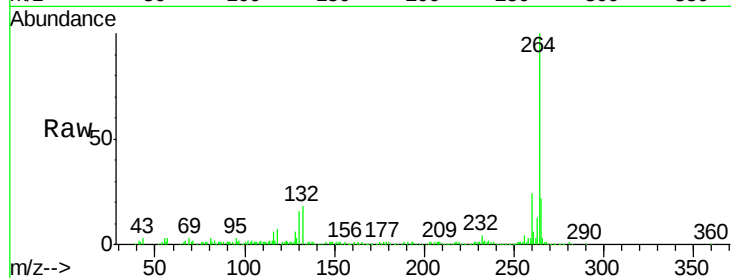
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF088899.D
Acq: 11 Jul 2016 15:05

Instrument :
BNA_F
ClientSampleId :
NC-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.3	16.9	25.3

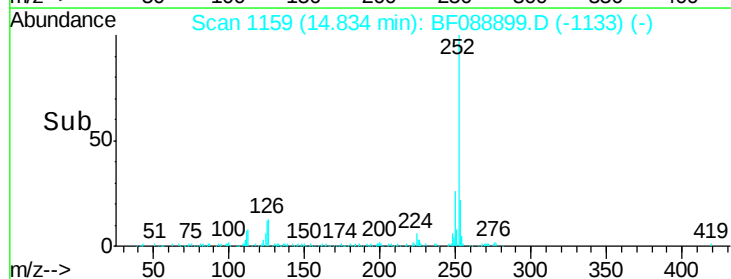
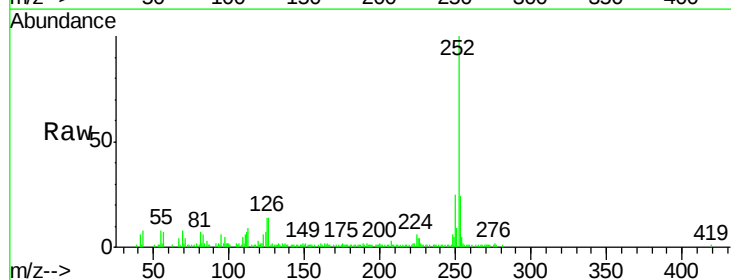
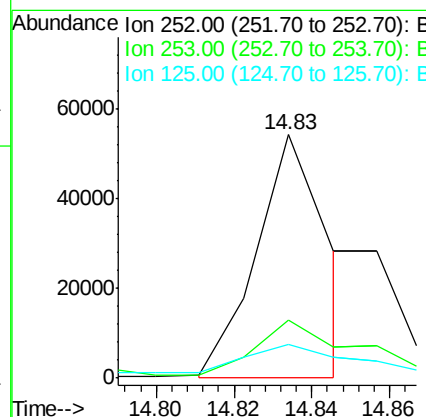
Manual Integrations

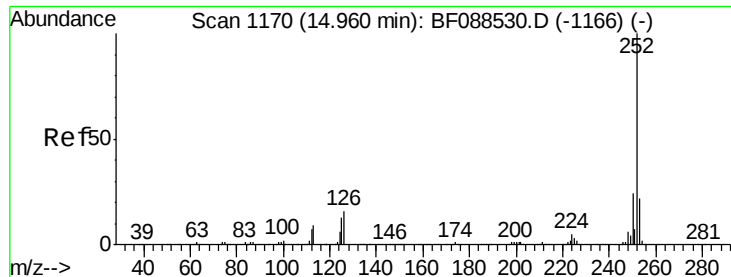
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7/12/2016 7:36:45 PM



#87
Benzo(b)fluoranthene
Concen: 7.69 ng m
RT: 14.83 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF088899.D
Acq: 11 Jul 2016 15:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	14.0	7.1	10.7#





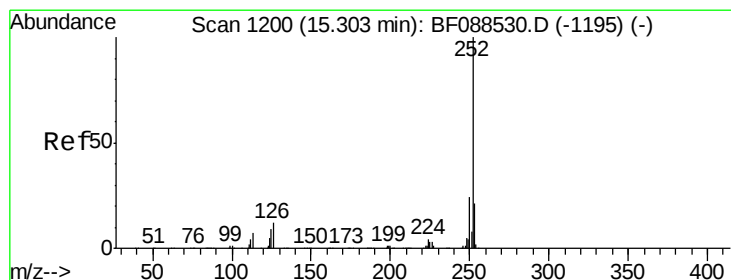
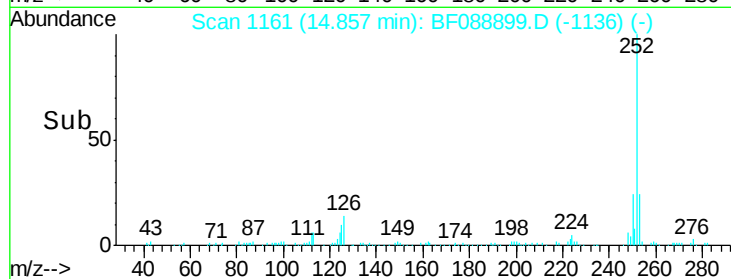
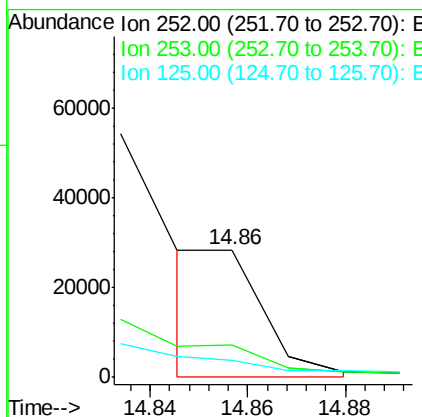
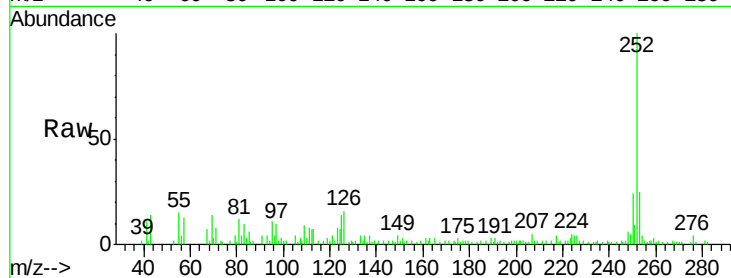
#88
Benzo(k)fluoranthene
Concen: 3.01 ng m
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF088899.D
Acq: 11 Jul 2016 15:05

Instrument :
BNA_F
ClientSampleId :
NC-01

Tot Ion	Ion	Ratio	Lower	Upper
252	100			
253	25.3	18.0	27.0	
125	13.7	11.2	16.8	

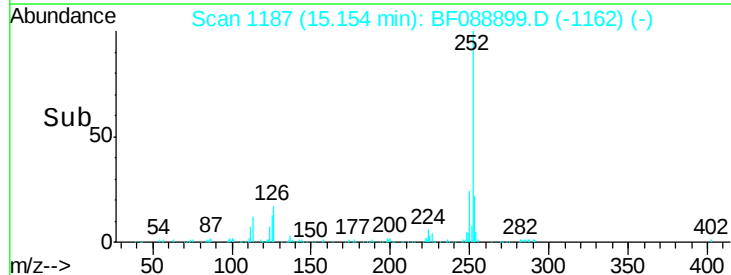
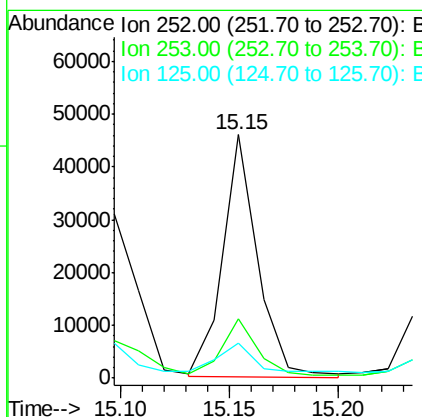
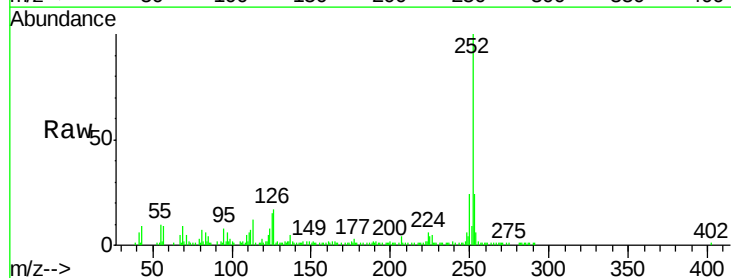
Manual Integrations

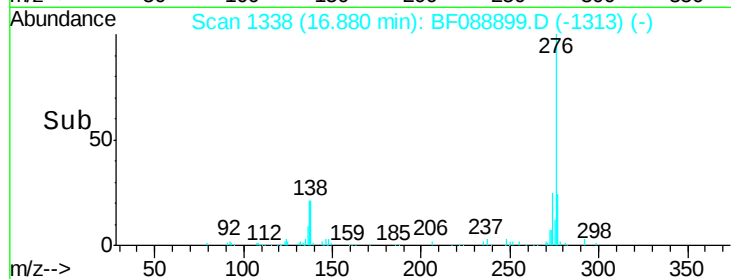
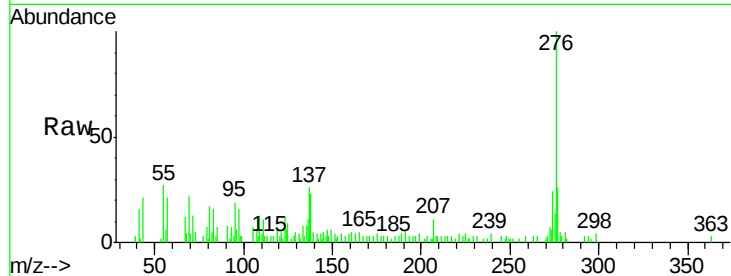
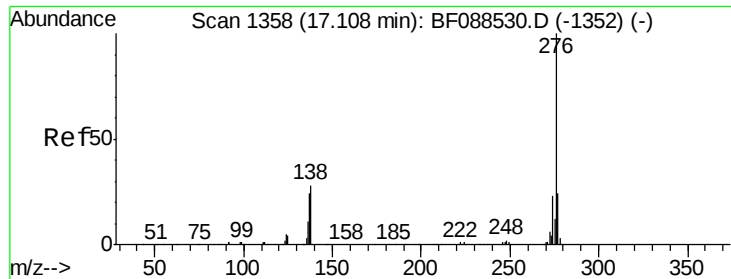
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7/12/2016 7:36:45 PM



#89
Benzo(a)pyrene
Concen: 6.74 ng
RT: 15.15 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF088899.D
Acq: 11 Jul 2016 15:05

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	24.3	17.9	26.9	
125	14.6	12.5	18.7	





#91

Benzo(a,h,i)perylene

Concen: 4.60 ng

RT: 16.88 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF088899.D

Acq: 11 Jul 2016 15:05

Instrument :

BNA_F

ClientSampleId :

NC-01

Tot Ion: 276 Resp: 30110

Ion Ratio Lower Upper

276 100

277 26.1 18.9 28.3

138 23.3 21.4 32.2

Manual Integrations

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7/12/2016 7:36:45 PM

