

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
 Data File : BF088690.D
 Acq On : 4 Jul 2016 12:36
 Operator : UM/SJ
 Sample : H3822-03
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D10-B3(6-12)C

Manual Integrations

umangi
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Quant Time: Jul 05 01:36:45 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 01:06:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	110501	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	388686	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	162987	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	266243	20.00	ng	0.01
75) Chrysene-d12	13.92	240	195882	20.00	ng	0.00
86) Perylene-d12	15.33	264	168175	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	918549	124.58	ng	0.02
7) Phenol-d6	6.43	99	1213926	127.42	ng	0.01
23) Nitrobenzene-d5	7.36	82	741820	100.02	ng	0.01
41) 2,4,6-Tribromophenol	10.60	330	167917	110.95	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1084086	105.06	ng	0.00
78) Terphenyl-d14	12.88	244	595364	67.70	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.54	163	197564	17.01	ng	99
70) Phenanthrene	11.32	178	65889	4.53	ng	97
74) Fluoranthene	12.50	202	129863	8.80	ng	99
77) Pyrene	12.73	202	152043	9.15	ng	98
80) Benzo(a)anthracene	13.91	228	71345	5.66	ng	97
82) Chrysene	13.95	228	58639	4.70	ng	98
85) Indeno(1,2,3-cd)pyrene	16.65	276	22599	2.35	ng	# 100
87) Benzo(b)fluoranthene	14.93	252	60120m	5.70	ng	
88) Benzo(k)fluoranthene	14.94	252	23885m	2.60	ng	
89) Benzo(a)pyrene	15.26	252	43594	4.88	ng	98
91) Benzo(g,h,i)perylene	17.05	276	22877	2.96	ng	96

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

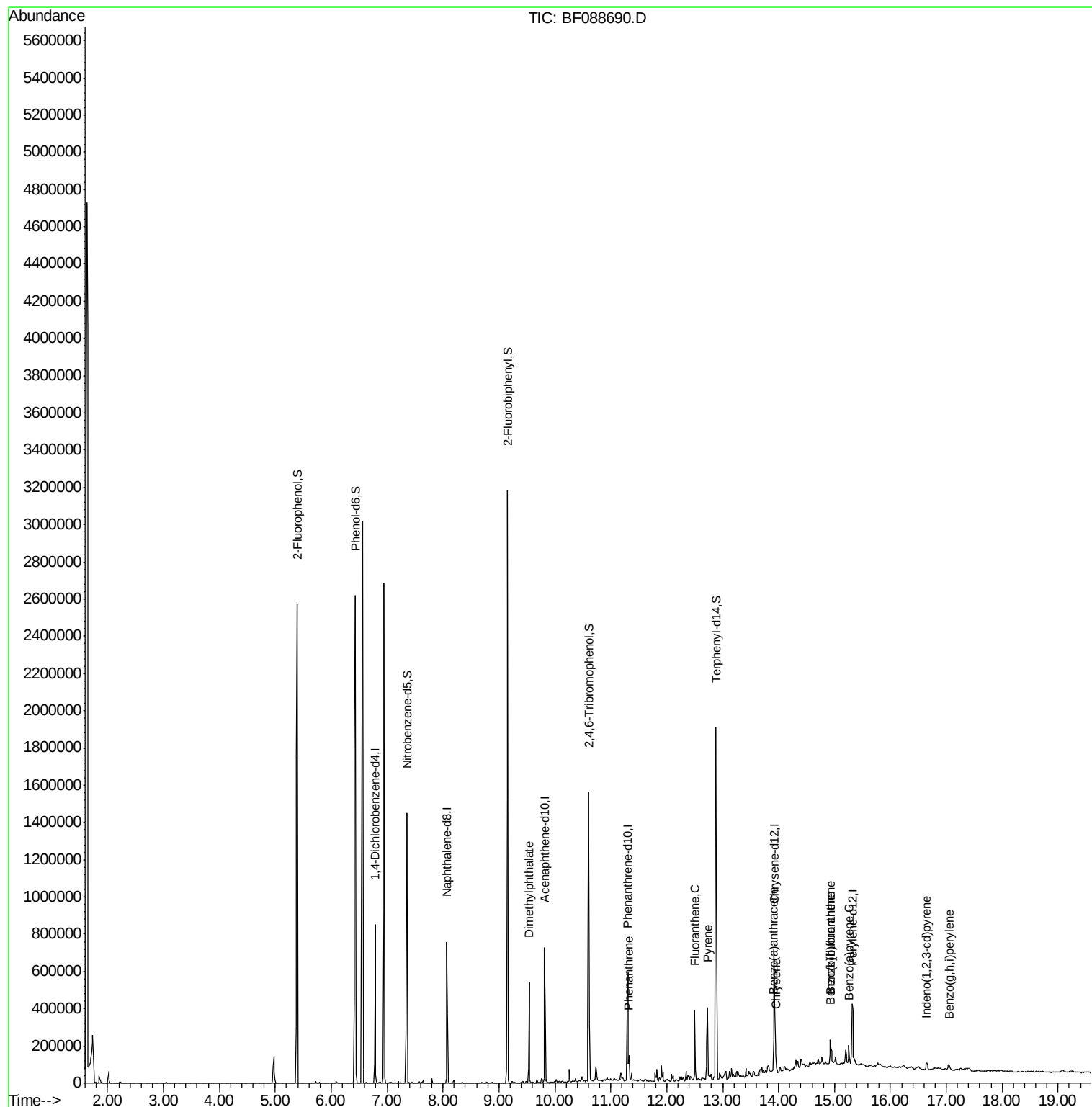
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
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Acq On : 4 Jul 2016 12:36
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Misc :
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Manual Integrations

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Response via : Initial Calibration





#1

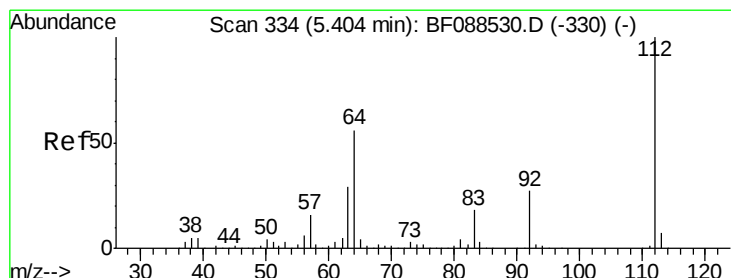
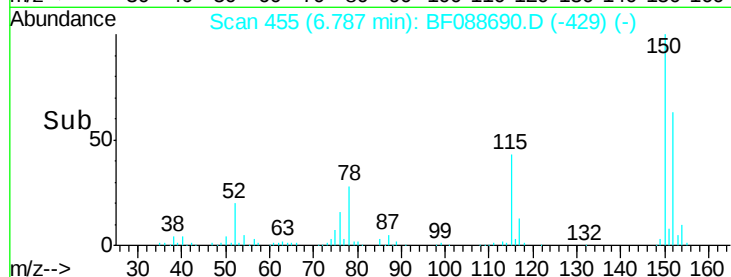
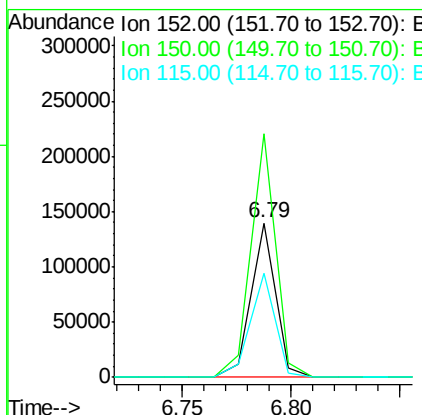
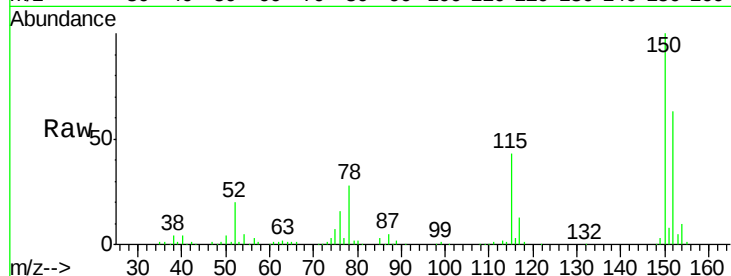
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF088690.D
Acq: 4 Jul 2016 12:36

Instrument :
BNA_F
ClientSampleId :
D10-B3(6-12)C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.8	185.6
115	67.7	39.6	59.4

Manual Integrations

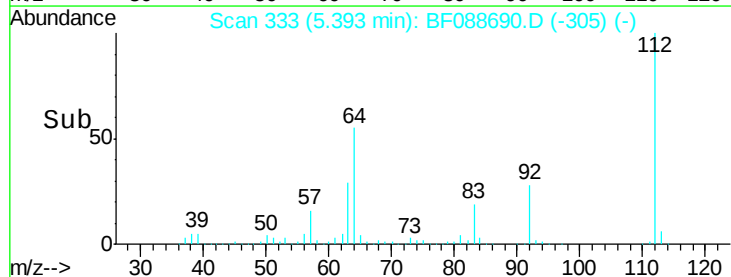
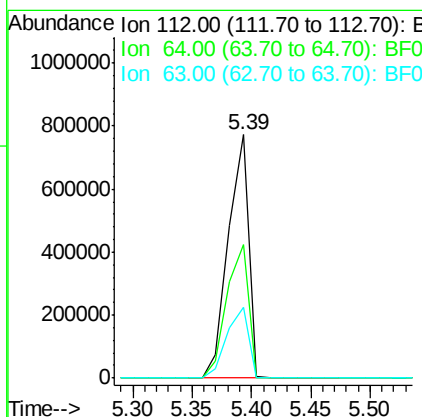
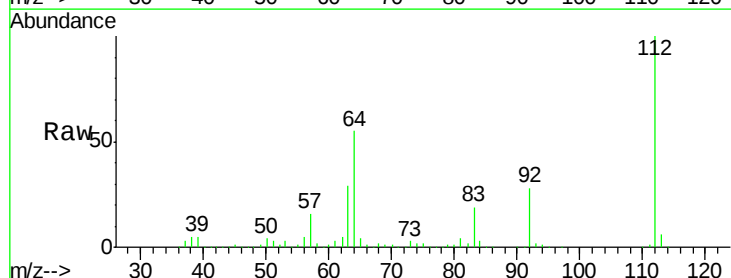
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#5

2-Fluorophenol
Concen: 124.58 ng
RT: 5.39 min Scan# 333
Delta R.T. 0.02 min
Lab File: BF088690.D
Acq: 4 Jul 2016 12:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	42.2	63.2
63	28.9	21.8	32.8





#7

Phenol-d6

Concen: 127.42 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.01 min

Lab File: BF088690.D

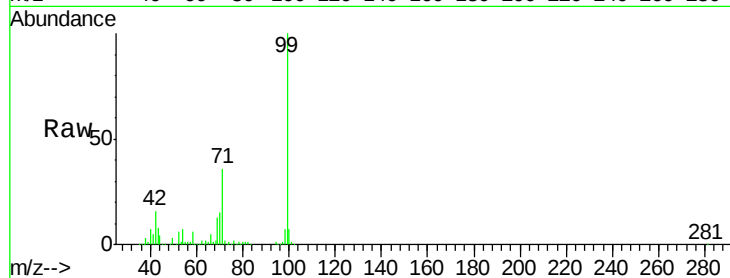
Acq: 4 Jul 2016 12:36

Instrument :

BNA_F

ClientSampleId :

D10-B3(6-12)C



Tot Ion: 99 Resp: 1213926

Ion Ratio Lower Upper

99 100

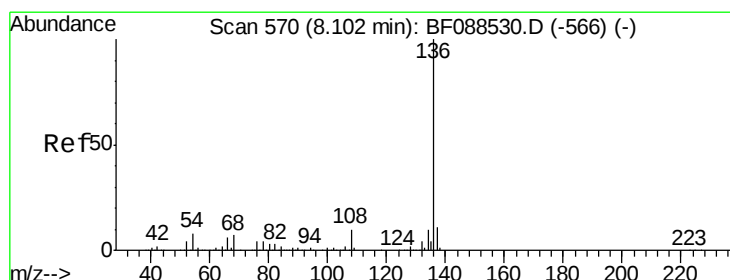
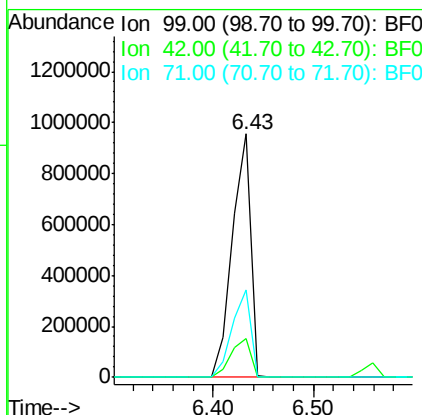
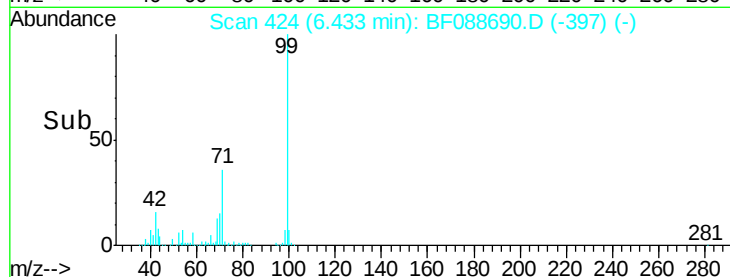
42 16.1 12.2 18.2

71 35.8 23.4 35.0#

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF088690.D

Acq: 4 Jul 2016 12:36

Tgt Ion: 136 Resp: 388686

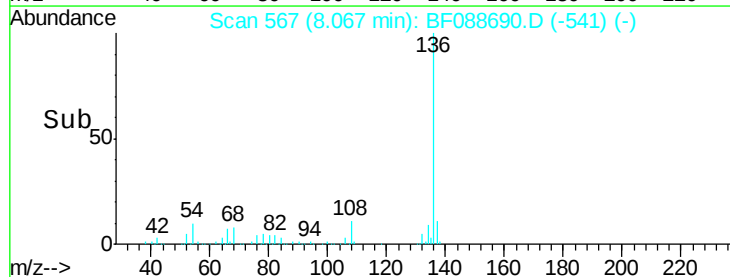
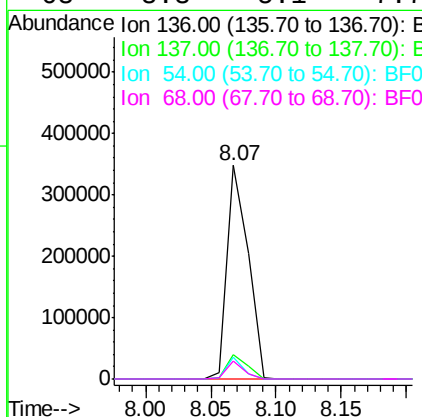
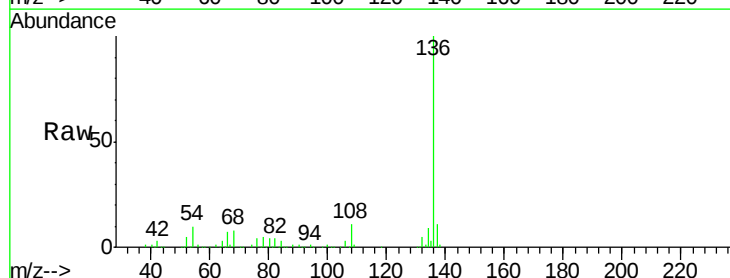
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 10.2 6.6 10.0#

68 8.3 5.1 7.7#





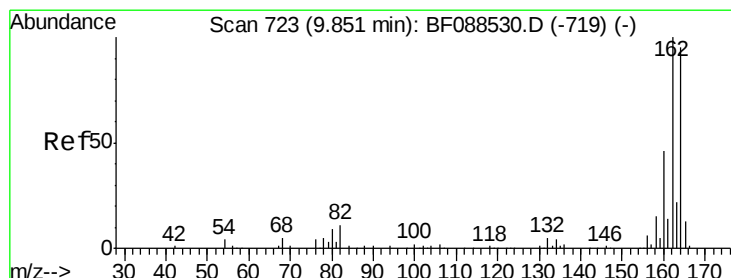
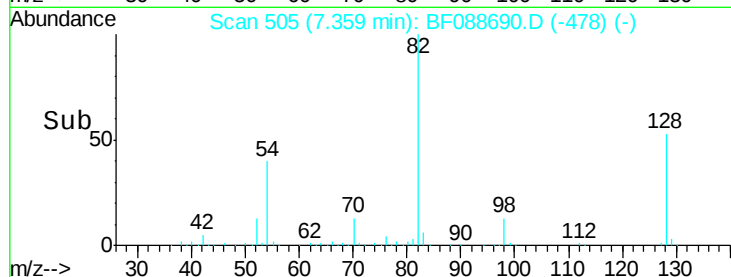
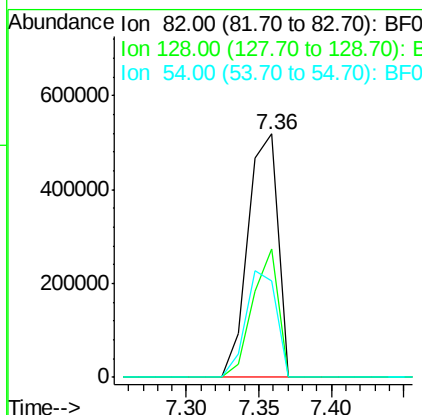
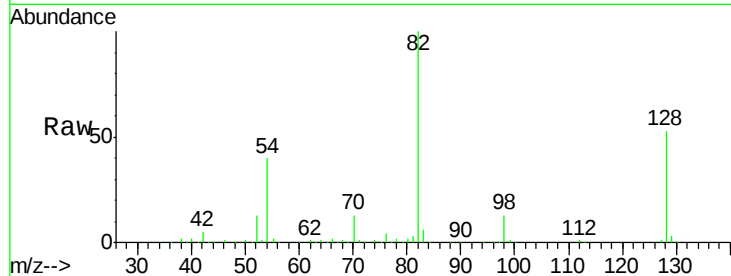
#23
 Nitrobenzene-d5
 Concen: 100.02 ng
 RT: 7.36 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: BF088690.D
 Acq: 4 Jul 2016 12:36

Instrument :
 BNA_F
 ClientSampleId :
 D10-B3(6-12)C

Tot Ion	82	Resp	741820
Ion Ratio	100	Lower	Upper
82	100		
128	52.8	35.9	53.9
54	39.7	40.9	61.3

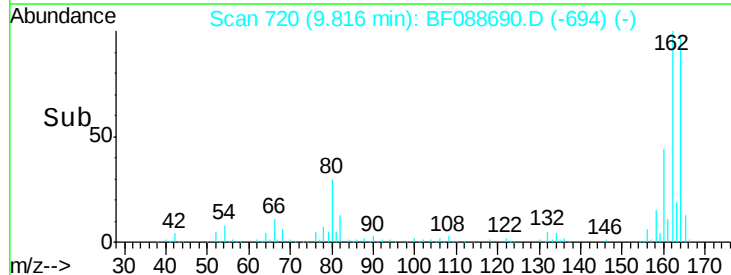
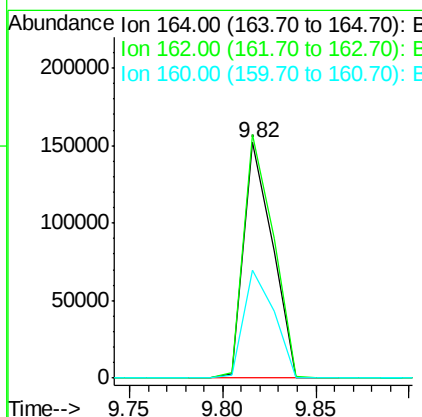
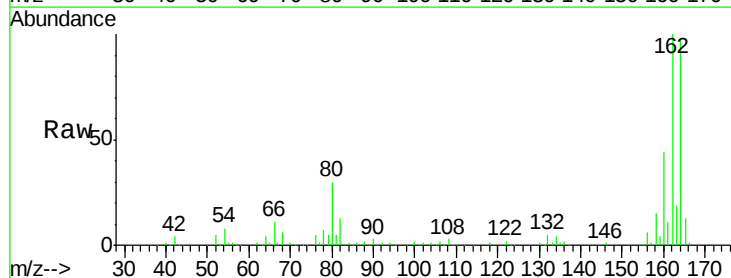
Manual Integrations

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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: BF088690.D
 Acq: 4 Jul 2016 12:36

Tgt Ion	164	Resp	162987
Ion Ratio	100	Lower	Upper
164	100		
162	103.3	85.4	128.2
160	45.9	39.5	59.3





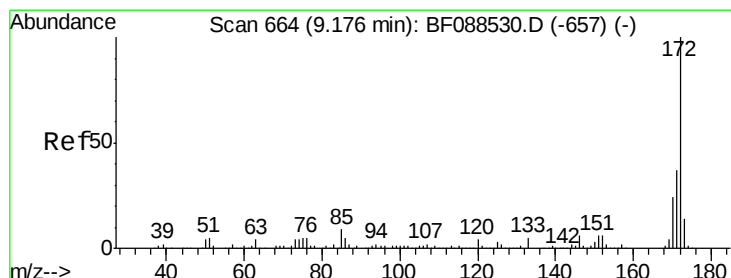
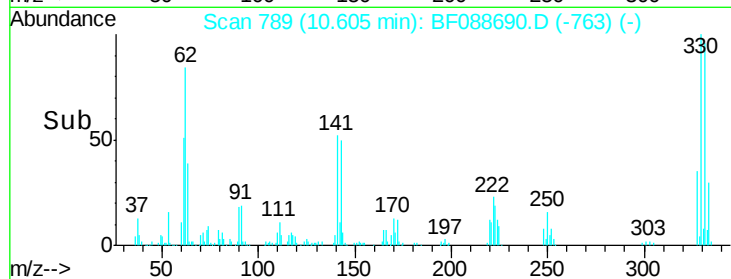
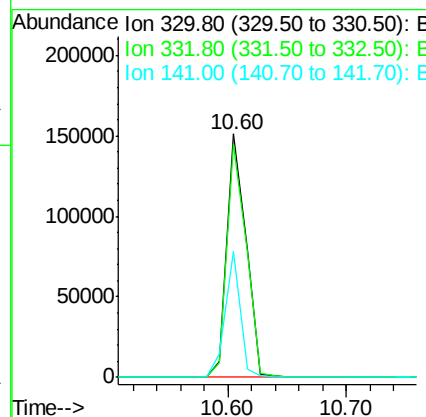
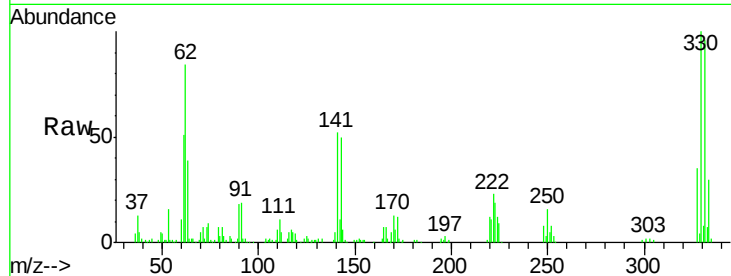
#41
 2,4,6-Tribromophenol
 Concen: 110.95 ng
 RT: 10.60 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF088690.D
 Acq: 4 Jul 2016 12:36

Instrument :
 BNA_F
 ClientSampleId :
 D10-B3(6-12)C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	167917		
332	96.5	0.0	0.0	0.0
141	41.0	0.0	0.0	0.0

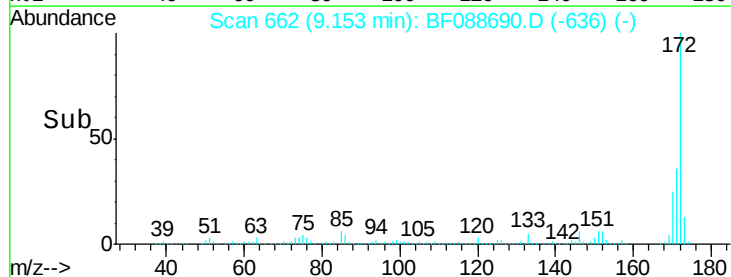
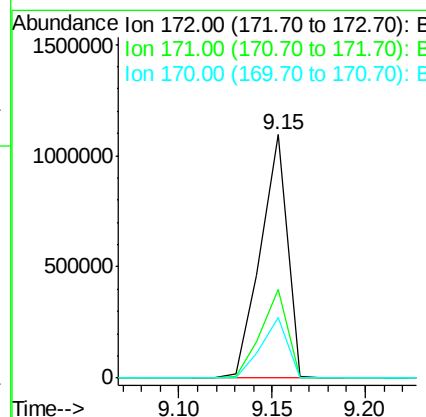
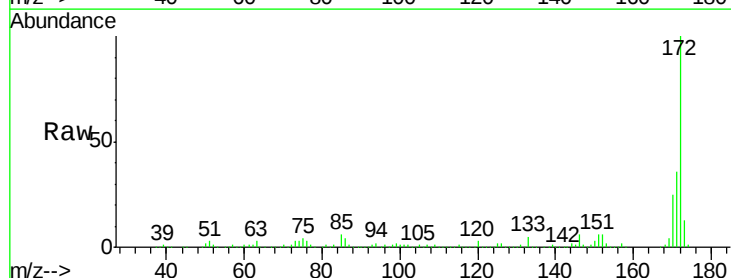
Manual Integrations

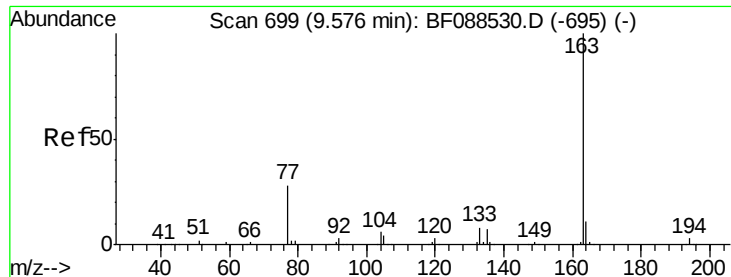
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#44
 2-Fluorobiphenyl
 Concen: 105.06 ng
 RT: 9.15 min Scan# 662
 Delta R.T. 0.00 min
 Lab File: BF088690.D
 Acq: 4 Jul 2016 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1084086		
171	36.3	28.6	43.0	
170	24.8	19.2	28.8	





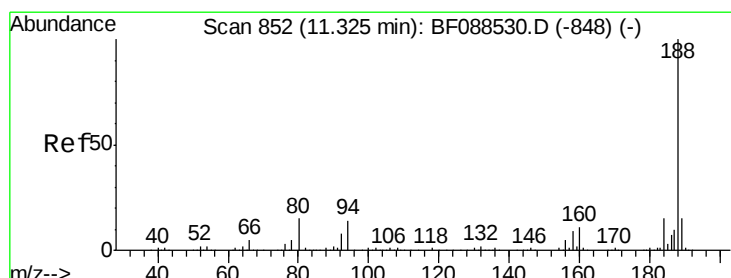
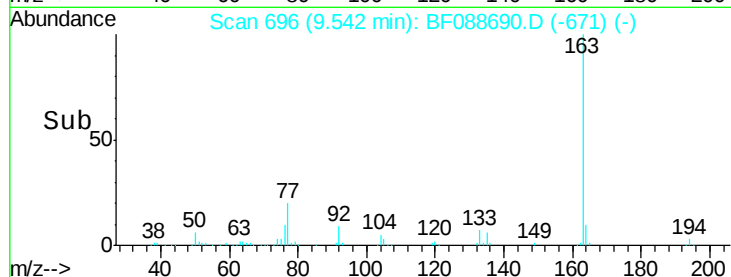
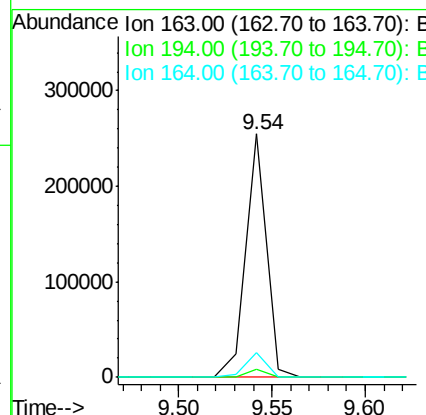
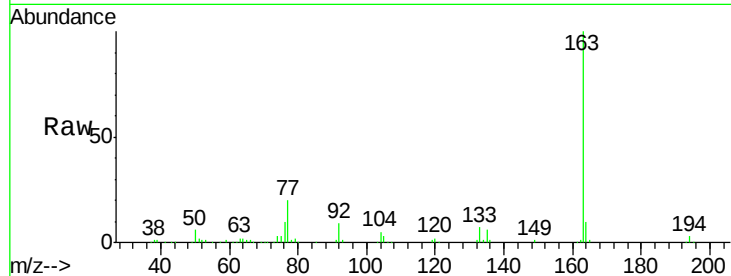
#49
Dimethylphthalate
Concen: 17.01 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF088690.D
Acq: 4 Jul 2016 12:36

Instrument :
BNA_F
ClientSampleId :
D10-B3(6-12)C

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.0	8.3	12.5

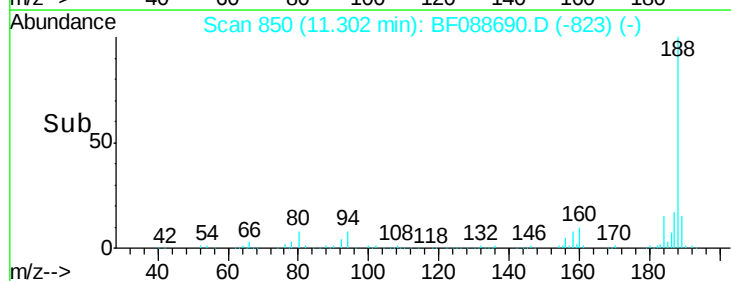
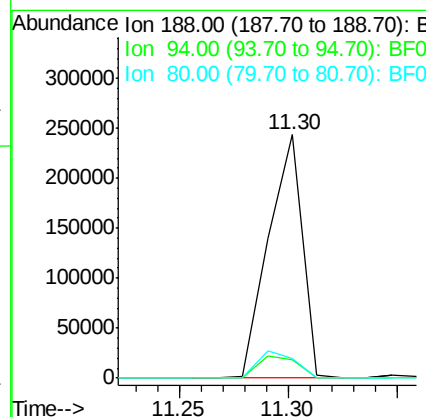
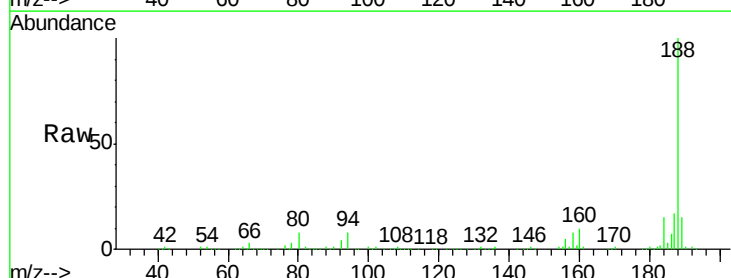
Manual Integrations

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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. 0.01 min
Lab File: BF088690.D
Acq: 4 Jul 2016 12:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	9.0	13.6#
80	8.0	10.0	15.0#





#70

Phenanthrene

Concen: 4.53 ng

RT: 11.32 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF088690.D

Acq: 4 Jul 2016 12:36

Instrument :

BNA_F

ClientSampleId :

D10-B3(6-12)C

Tot Ion:178 Resp: 65889

Ion Ratio Lower Upper

178 100

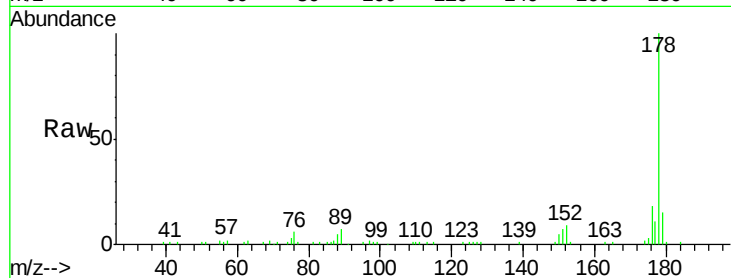
176 18.5 15.8 23.6

179 14.7 13.0 19.4

Manual Integrations

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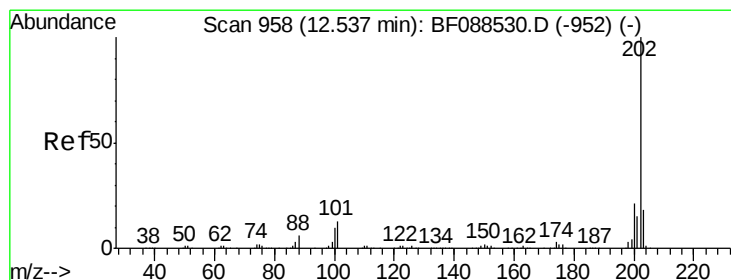
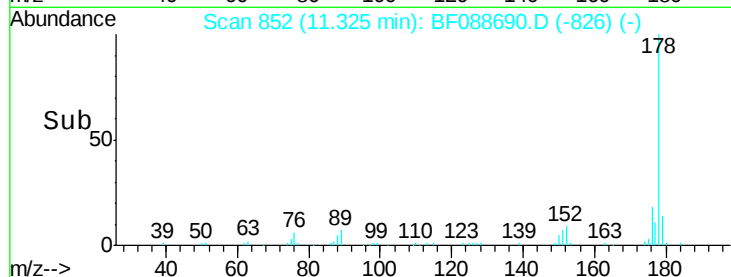
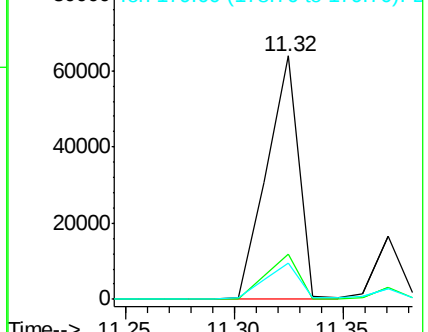
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.80 ng

RT: 12.50 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF088690.D

Acq: 4 Jul 2016 12:36

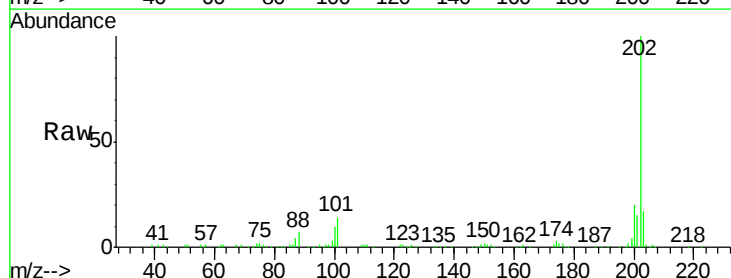
Tgt Ion:202 Resp: 129863

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.1

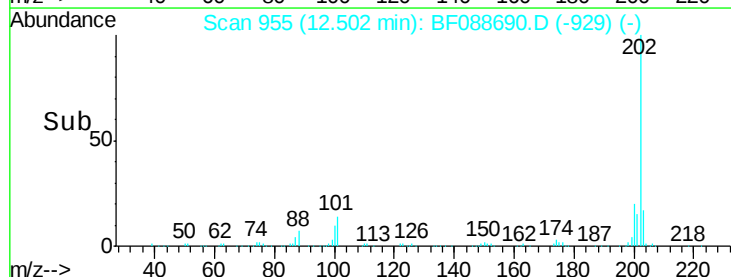
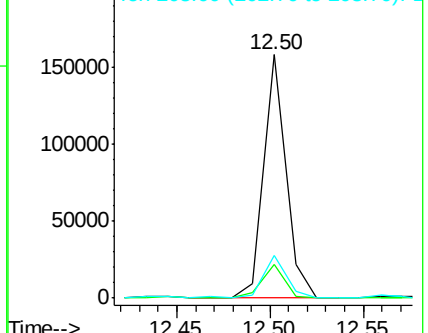
203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BF088690.D

Acq: 4 Jul 2016 12:36

Instrument :

BNA_F

ClientSampleId :

D10-B3(6-12)C

Tot Ion:240 Resp: 195882

Ion Ratio Lower Upper

240 100

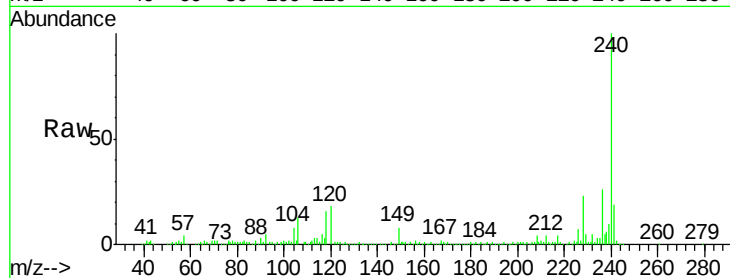
120 18.0 6.8 10.2#

236 25.8 20.2 30.2

Manual Integrations

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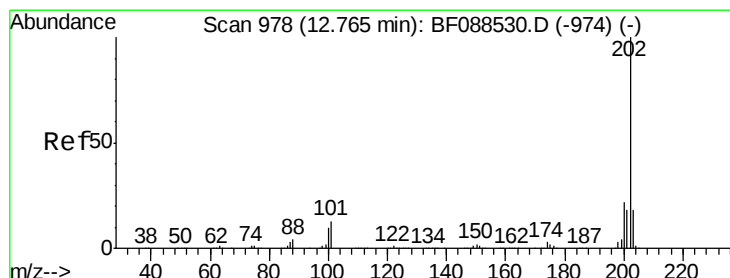
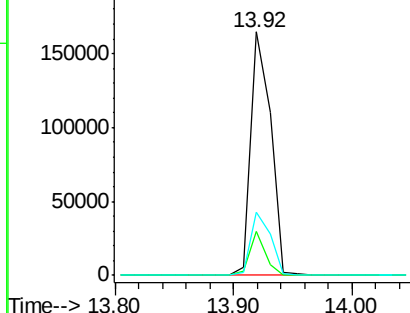
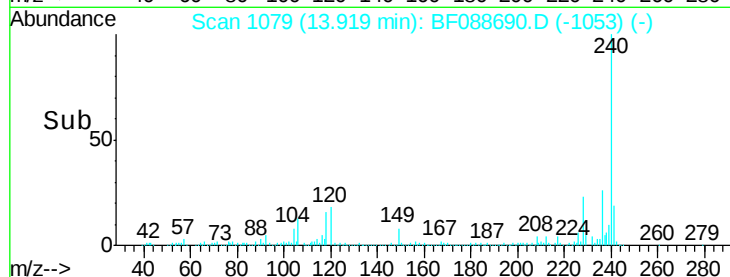
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.15 ng

RT: 12.73 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF088690.D

Acq: 4 Jul 2016 12:36

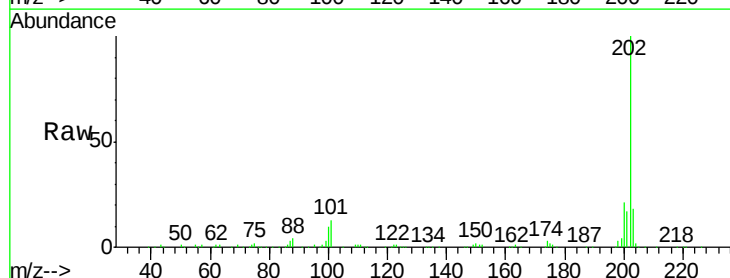
Tgt Ion:202 Resp: 152043

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

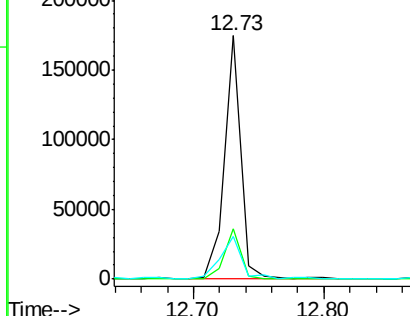
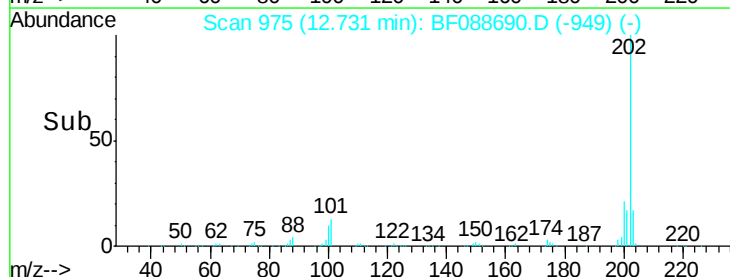
203 17.7 14.5 21.7



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





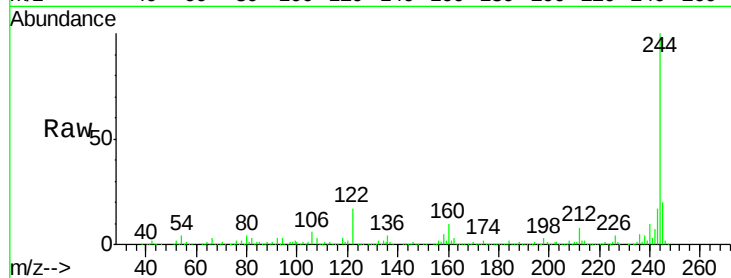
#78
 Terphenyl-d14
 Concen: 67.70 ng
 RT: 12.88 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: BF088690.D
 Acq: 4 Jul 2016 12:36

Instrument :
 BNA_F
 ClientSampleId :
 D10-B3(6-12)C

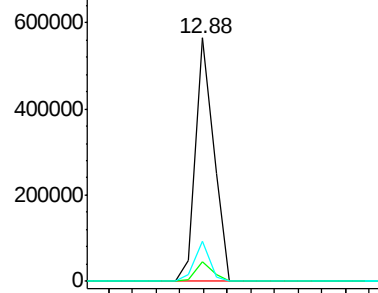
Tot Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.0	9.0
122	16.7	11.2	16.8

Manual Integrations

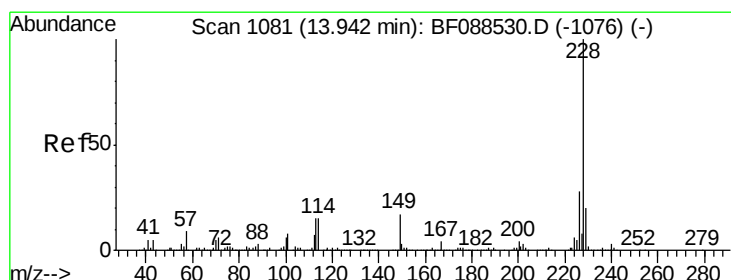
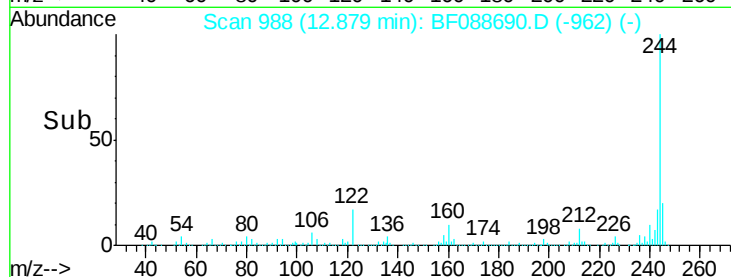
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Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

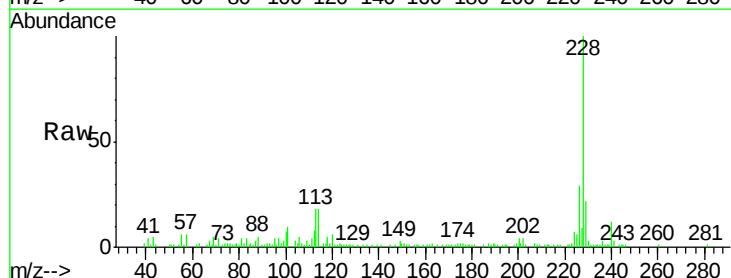


Time-->

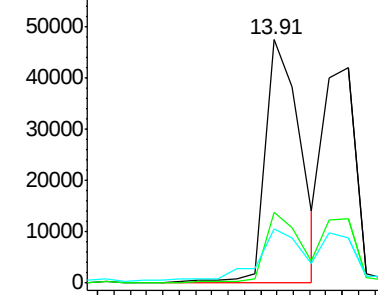


#80
 Benzo(a)anthracene
 Concen: 5.66 ng
 RT: 13.91 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: BF088690.D
 Acq: 4 Jul 2016 12:36

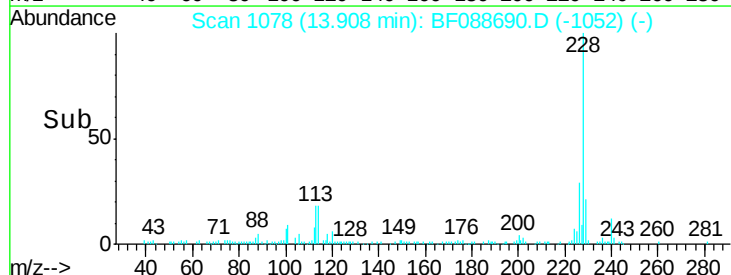
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.3	33.5
229	22.3	16.0	24.0

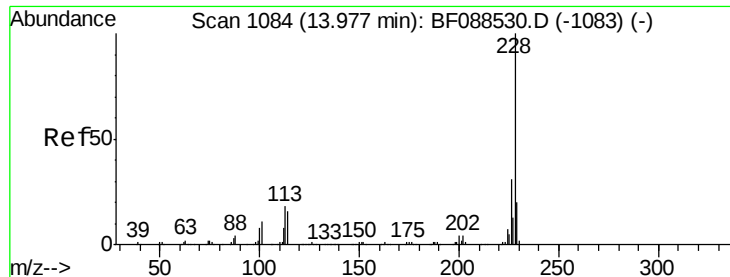


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time-->





#82

Chrysene

Concen: 4.70 ng

RT: 13.95 min Scan# 1082

Delta R.T. 0.00 min

Lab File: BF088690.D

Acq: 4 Jul 2016 12:36

Instrument :

BNA_F

ClientSampleId :

D10-B3(6-12)C

Tot Ion:228 Resp: 58639

Ion Ratio Lower Upper

228 100

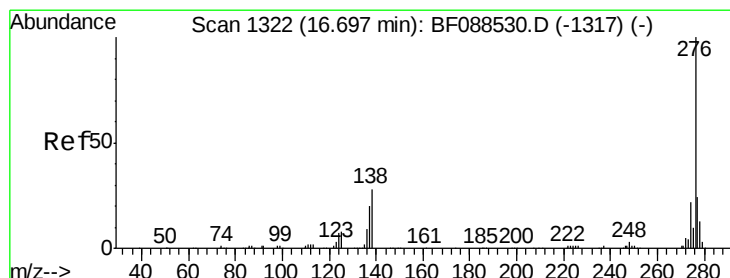
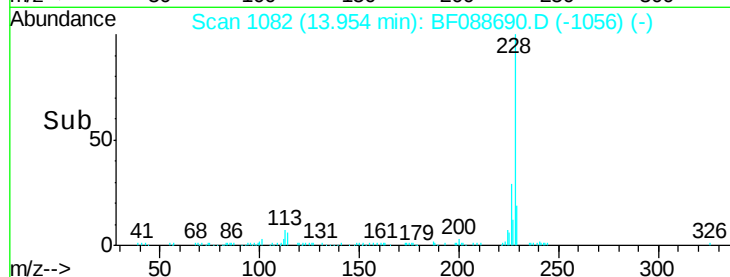
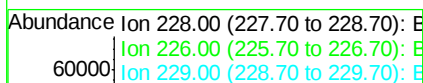
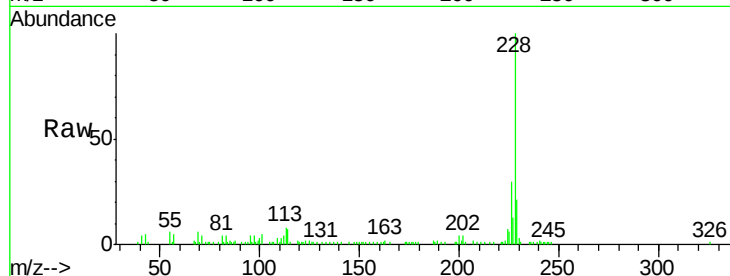
226 30.1 25.4 38.2

229 20.9 16.3 24.5

Manual Integrations

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.35 ng

RT: 16.65 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BF088690.D

Acq: 4 Jul 2016 12:36

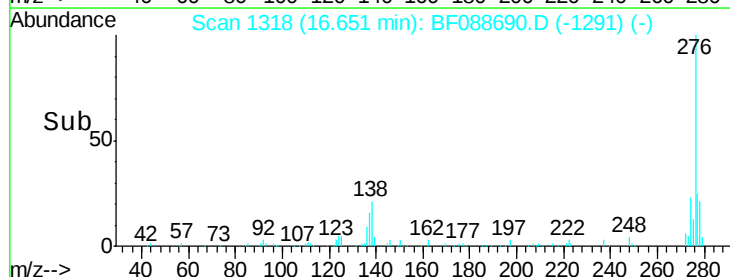
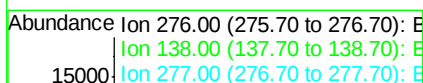
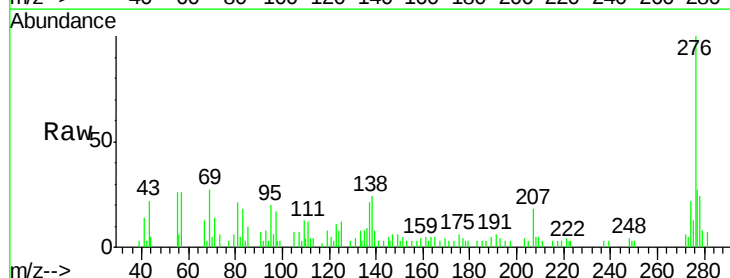
Tgt Ion:276 Resp: 22599

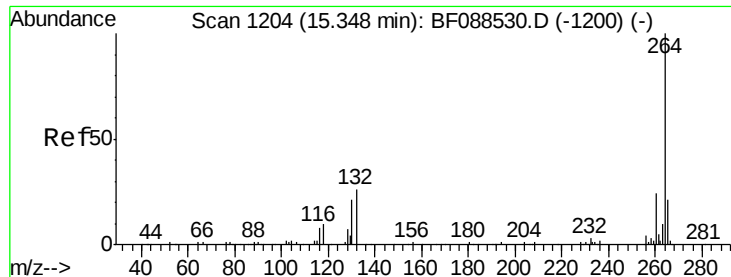
Ion Ratio Lower Upper

276 100

138 35.2 0.0 0.0#

277 40.4 0.0 0.0#





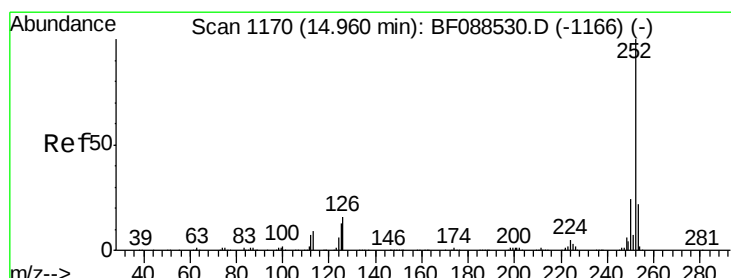
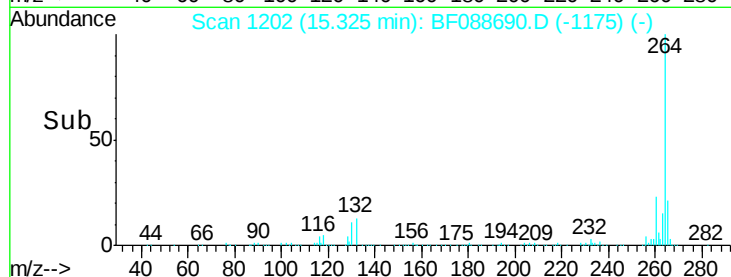
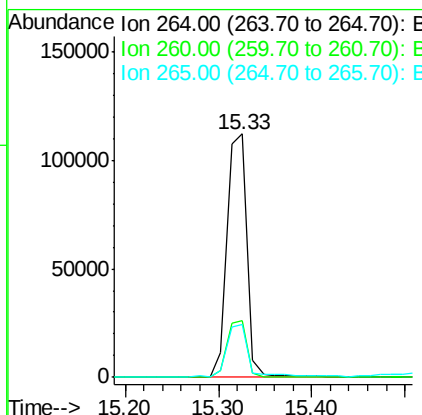
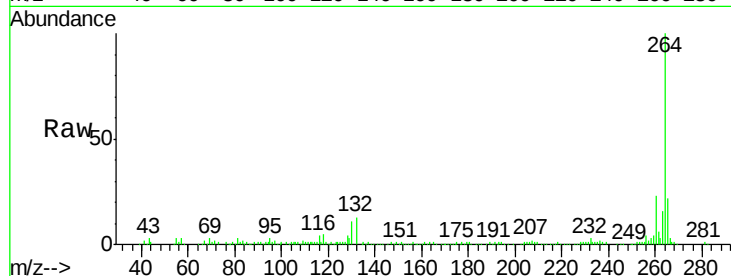
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BF088690.D
Acq: 4 Jul 2016 12:36

Instrument :
BNA_F
ClientSampleId :
D10-B3(6-12)C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.7	16.9	25.3

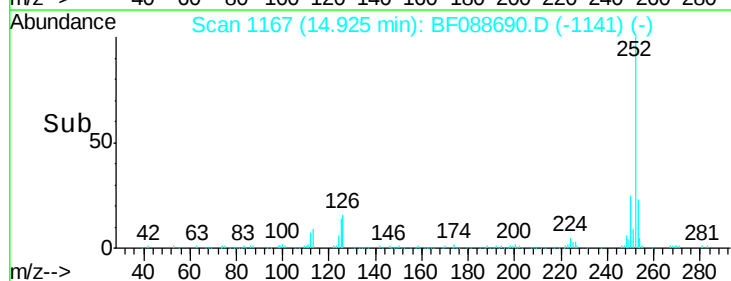
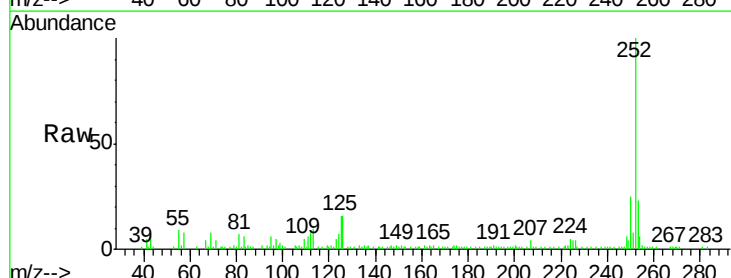
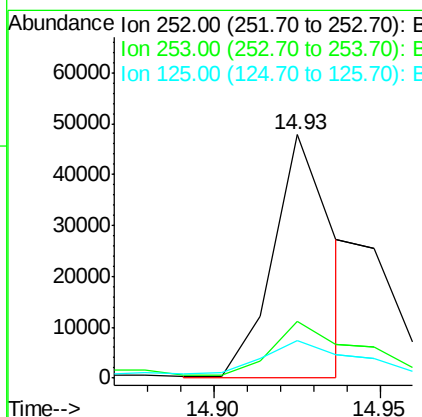
Manual Integrations

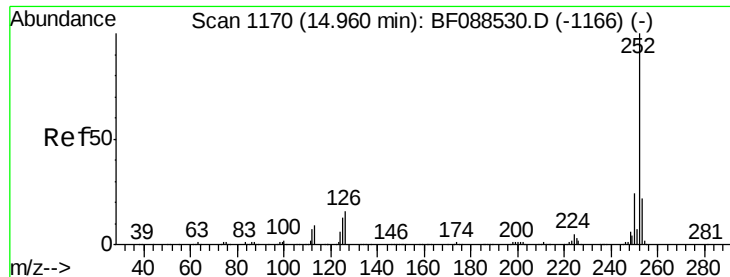
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#87
Benzo(b)fluoranthene
Concen: 5.70 ng m
RT: 14.93 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF088690.D
Acq: 4 Jul 2016 12:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	15.6	7.1	10.7#





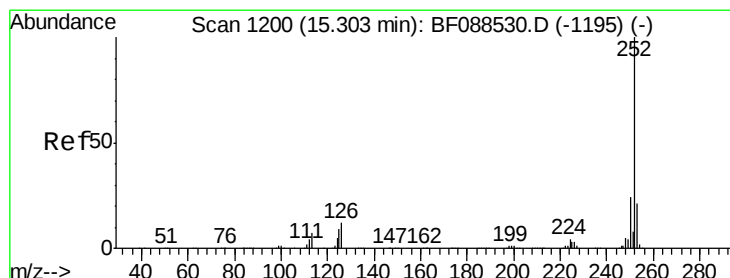
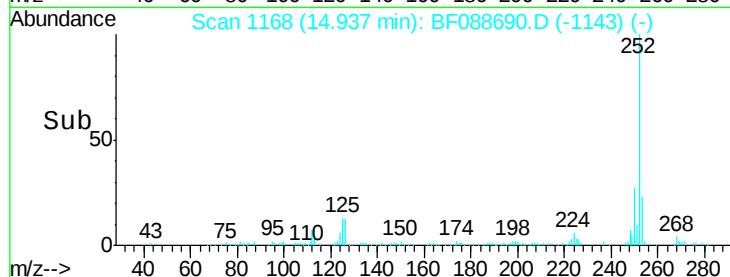
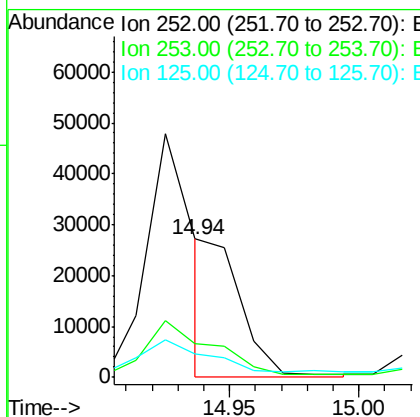
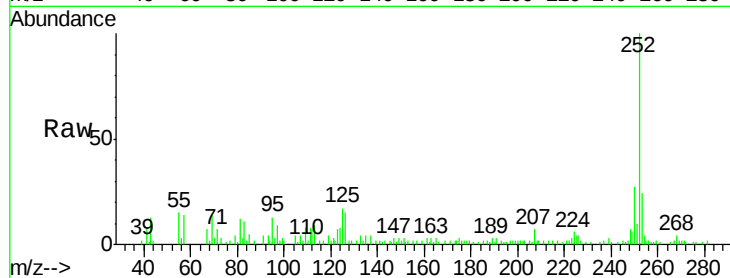
#88
Benzo(k)fluoranthene
Concen: 2.60 ng/ml
RT: 14.94 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF088690.D
Acq: 4 Jul 2016 12:36

Instrument :
BNA_F
ClientSampleId :
D10-B3(6-12)C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	16.7	11.2	16.8

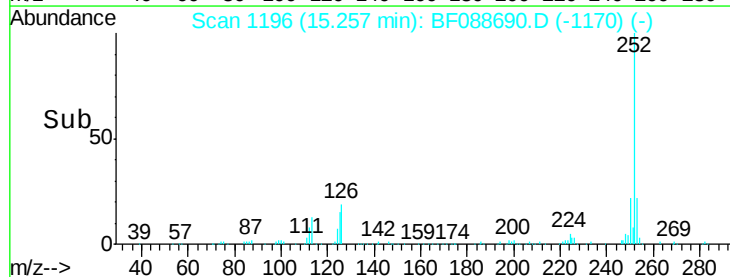
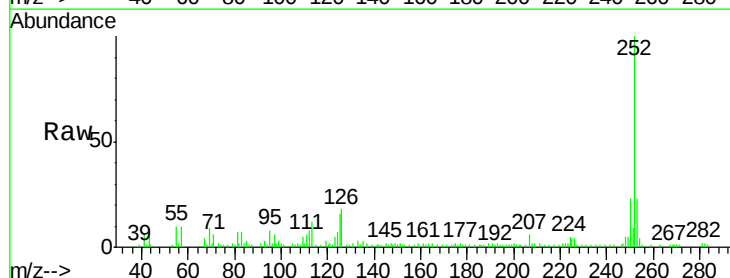
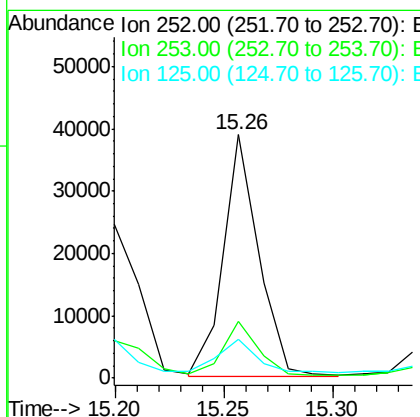
Manual Integrations

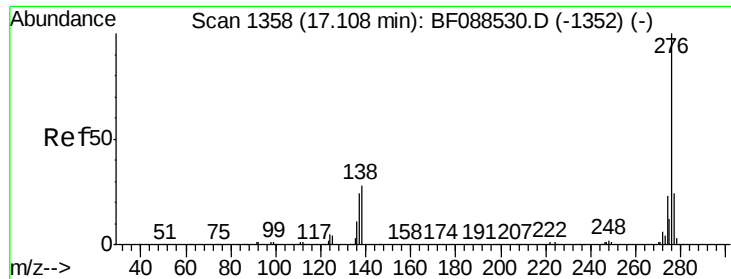
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#89
Benzo(a)pyrene
Concen: 4.88 ng/ml
RT: 15.26 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BF088690.D
Acq: 4 Jul 2016 12:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	15.9	12.5	18.7





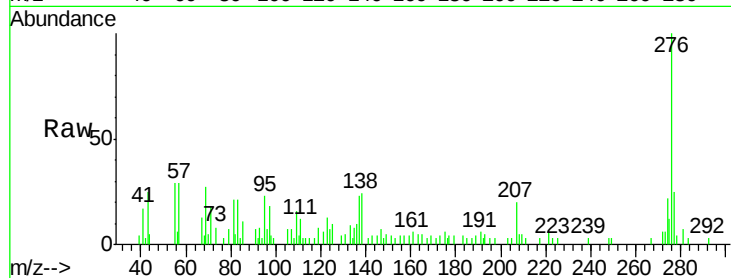
#91
 Benzo(a,h,i)perylene
 Concen: 2.96 ng
 RT: 17.05 min Scan# 1353
 Delta R.T. 0.01 min
 Lab File: BF088690.D
 Acq: 4 Jul 2016 12:36

Instrument :
 BNA_F
 ClientSampleId :
 D10-B3(6-12)C

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.9	28.3
138	23.8	21.4	32.2

Manual Integrations

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

