

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
 Data File : BF089000.D
 Acq On : 14 Jul 2016 22:21
 Operator : UM/SJ
 Sample : H3996-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C8-B1(0-6)C

Manual Integrations

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Quant Time: Jul 15 03:29:57 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	6.68	152	61000	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	222410	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	86890	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	138138	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	127545	20.00	ng	-0.03
86) Perylene-d12	15.19	264	95898	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	337708	82.97	ng	-0.01
7) Phenol-d6	6.34	99	516706	98.25	ng	-0.01
23) Nitrobenzene-d5	7.26	82	325557	76.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	62089	76.95	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	508986	92.53	ng	-0.02
78) Terphenyl-d14	12.78	244	328152	57.31	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.44	163	73130	11.81	ng	Qvalue 99
70) Phenanthrene	11.21	178	38923	5.15	ng	99
74) Fluoranthene	12.40	202	72543	9.48	ng	93
77) Pyrene	12.62	202	69567	6.43	ng	98
80) Benzo(a)anthracene	13.81	228	36397	4.43	ng	96
82) Chrysene	13.84	228	44366	5.46	ng	96
83) Bis(2-ethylhexyl)phthalate	13.82	149	16852	3.06	ng	99
85) Indeno(1,2,3-cd)pyrene	16.46	276	20035	3.20	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	53905m	8.96	ng	
88) Benzo(k)fluoranthene	14.82	252	13111m	2.50	ng	
89) Benzo(a)pyrene	15.13	252	29167	5.73	ng	95
91) Benzo(a,h,i)perylene	16.83	276	19305	4.39	ng	93

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

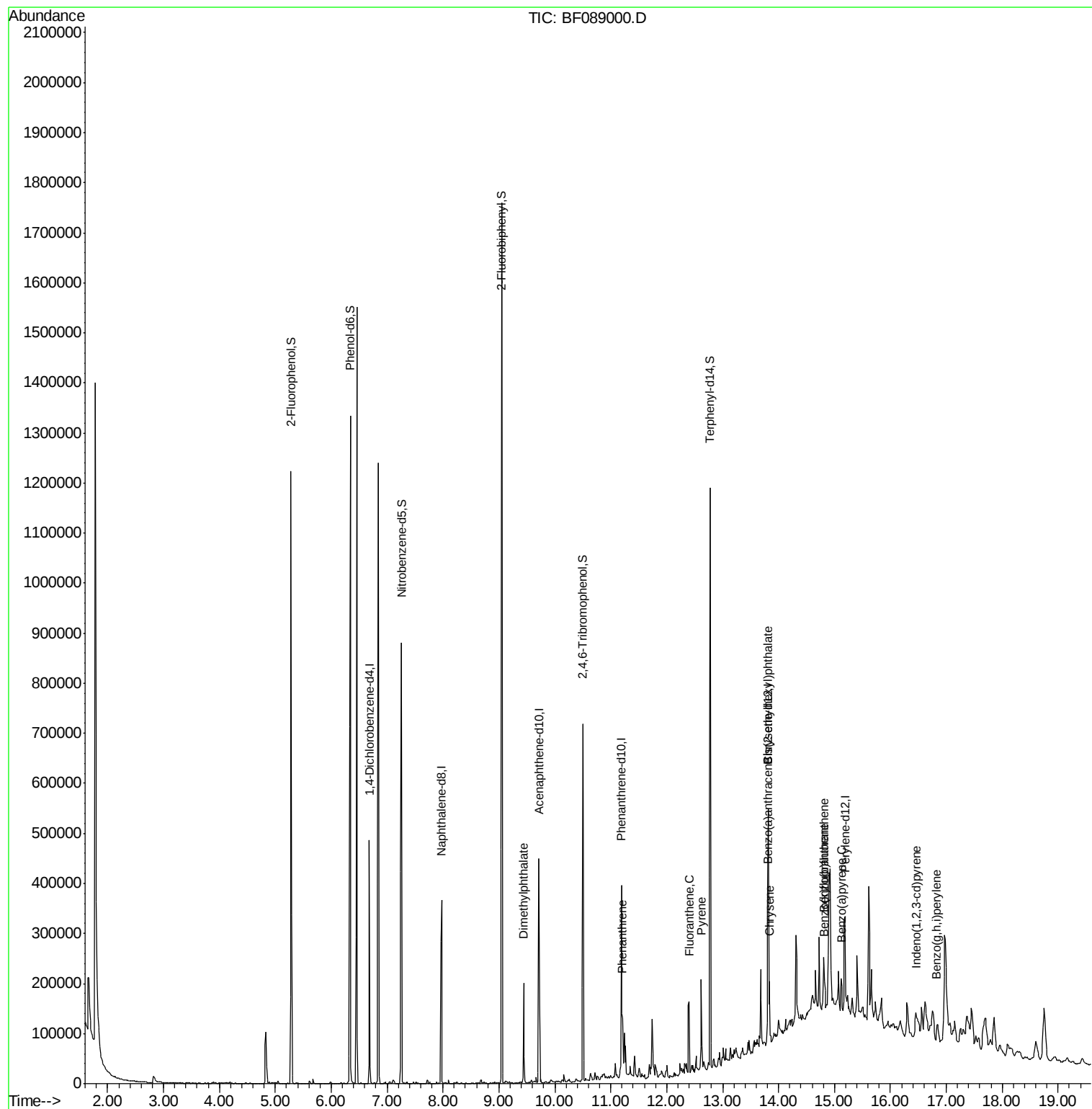
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
Data File : BF089000.D
Acq On : 14 Jul 2016 22:21
Operator : UM/SJ
Sample : H3996-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

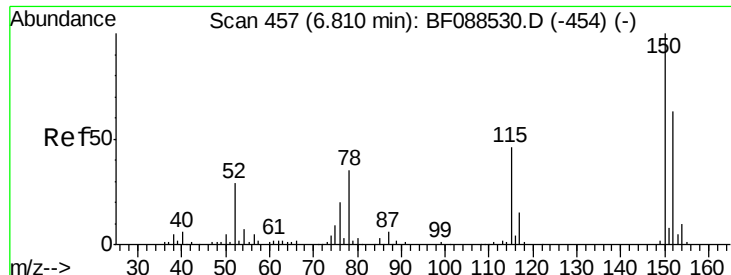
Instrument :
BNA_F
ClientSampleId :
C8-B1(0-6)C

Manual Integrations

Quant Time: Jul 15 03:29:57 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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

C8-B1(0-6)C

Tot Ion:152 Resp: 61000

Ion Ratio Lower Upper

152 100

150 160.4 123.8 185.6

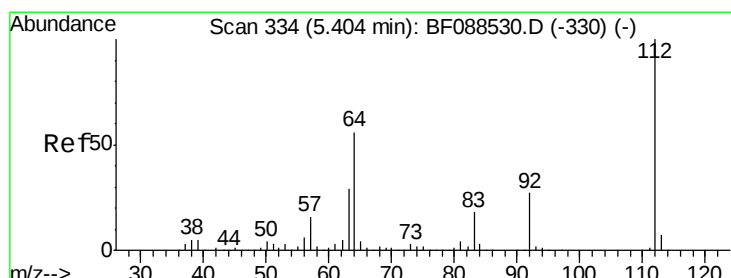
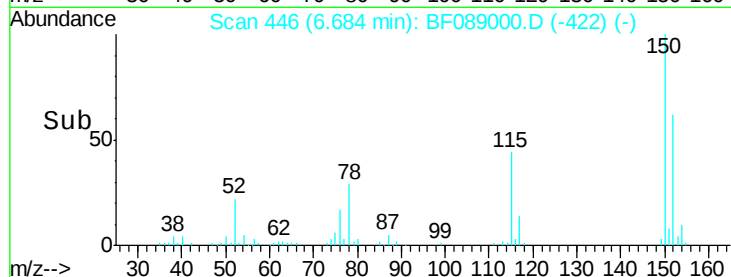
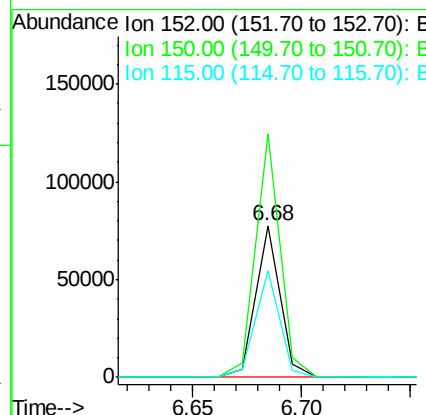
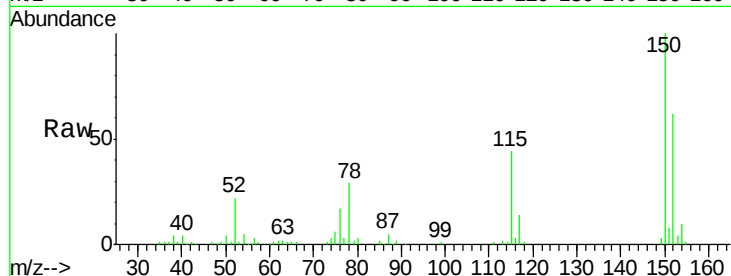
115 70.0 39.6 59.4#

Manual Integrations

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#5

2-Fluorophenol

Concen: 82.97 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.01 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

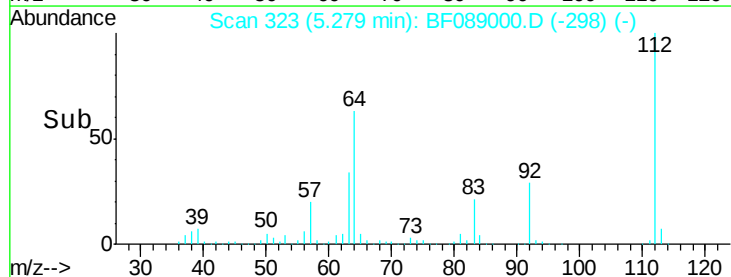
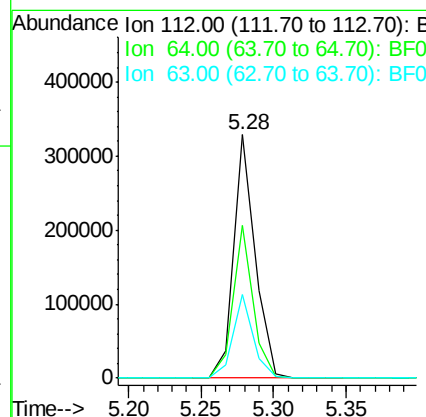
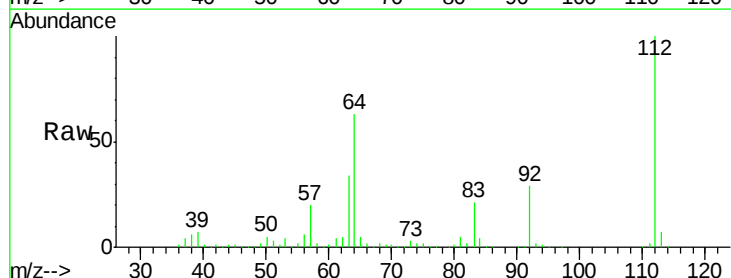
Tgt Ion:112 Resp: 337708

Ion Ratio Lower Upper

112 100

64 62.9 42.2 63.2

63 34.2 21.8 32.8#





#7

Phenol-d6

Concen: 98.25 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

C8-B1(0-6)C

Tot Ion: 99 Resp: 516706

Ion Ratio Lower Upper

99 100

42 16.8 12.2 18.2

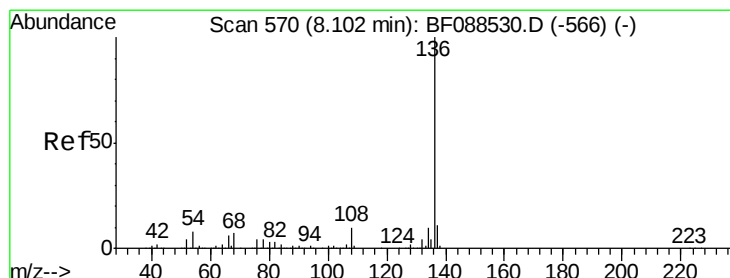
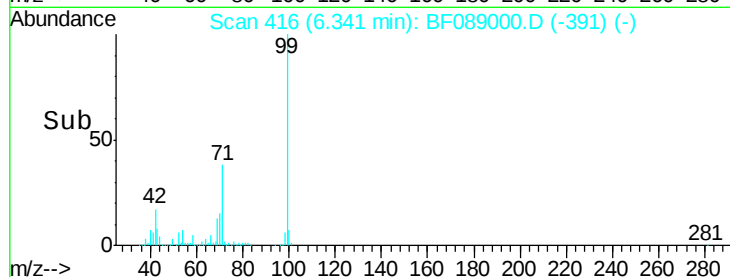
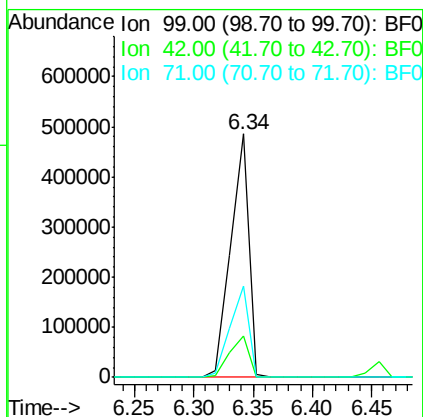
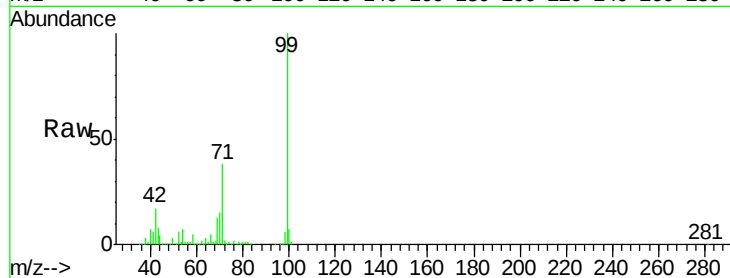
71 37.6 23.4 35.0#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Tgt Ion: 136 Resp: 222410

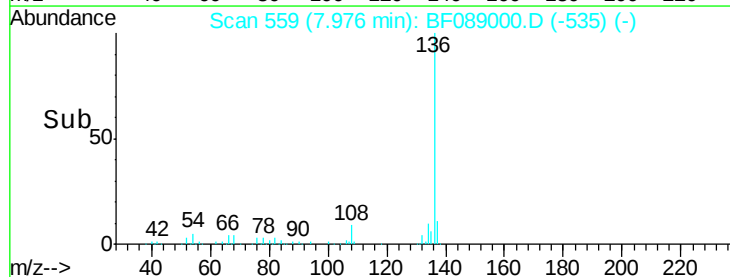
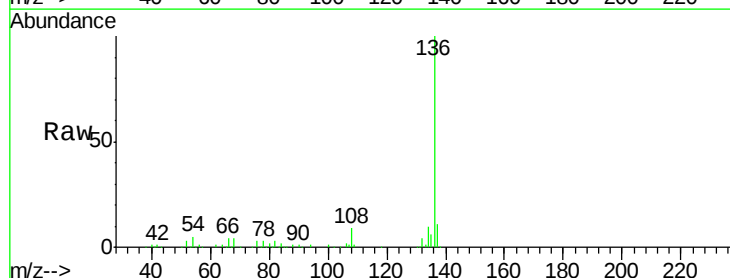
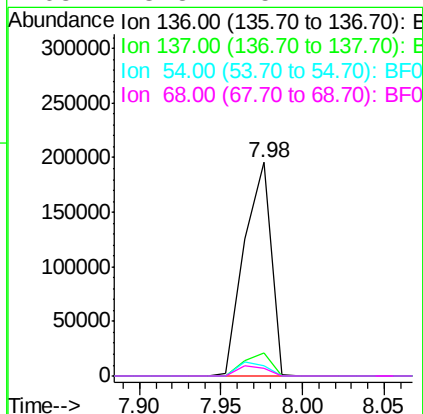
Ion Ratio Lower Upper

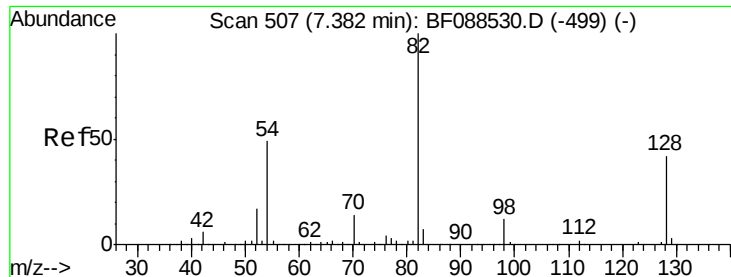
136 100

137 10.6 9.1 13.7

54 4.6 6.6 10.0#

68 3.8 5.1 7.7#





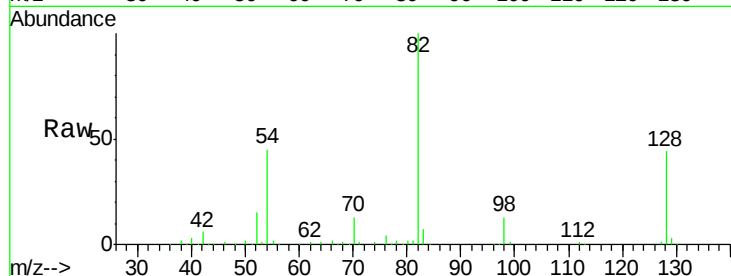
#23
Nitrobenzene-d5
Concen: 76.71 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF089000.D
Acq: 14 Jul 2016 22:21

Instrument :
BNA_F
ClientSampleId :
C8-B1(0-6)C

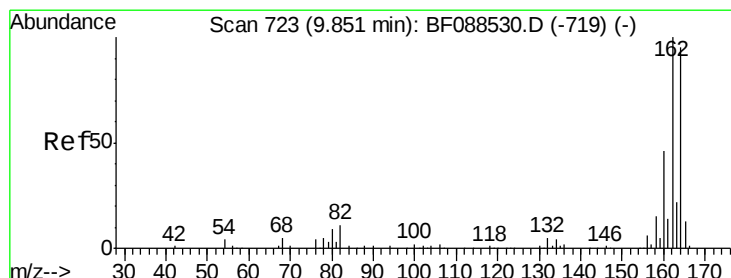
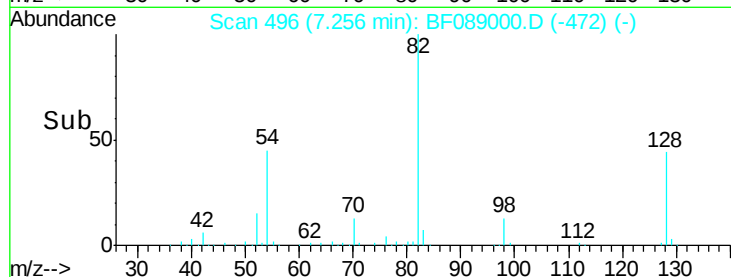
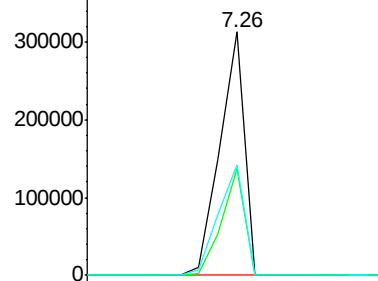
Tot Ion	82	Resp	325557
Ion Ratio	Lower	Upper	
82	100		
128	43.7	35.9	53.9
54	45.3	40.9	61.3

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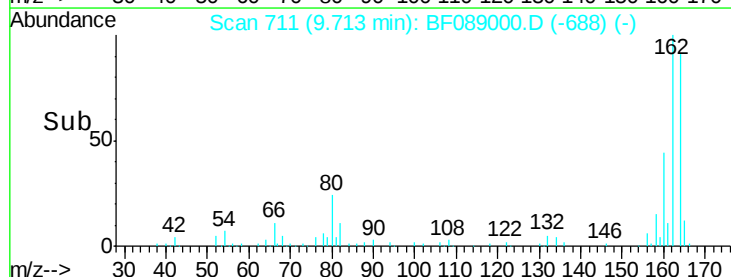
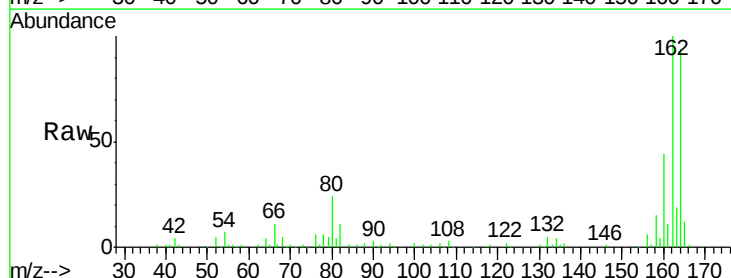
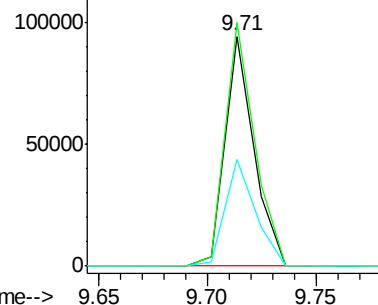
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

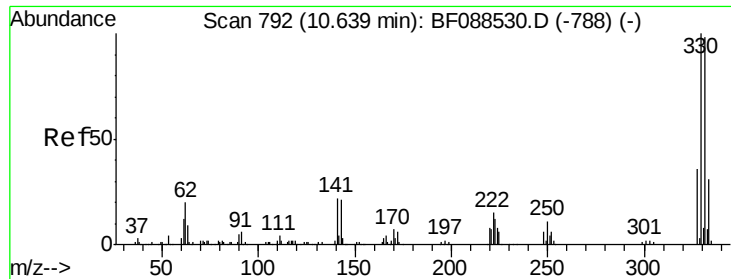


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF089000.D
Acq: 14 Jul 2016 22:21

Tgt Ion	164	Resp	86890
Ion Ratio	Lower	Upper	
164	100		
162	106.0	85.4	128.2
160	46.3	39.5	59.3

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





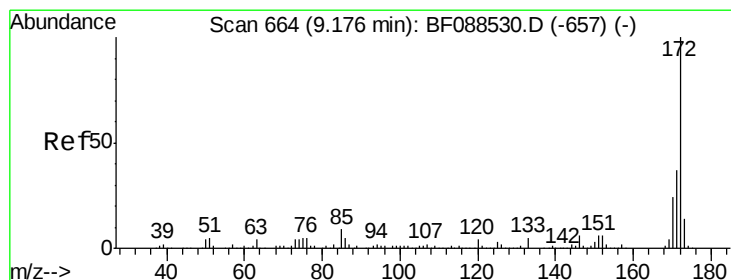
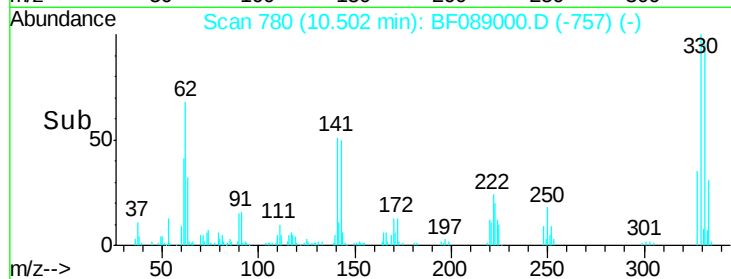
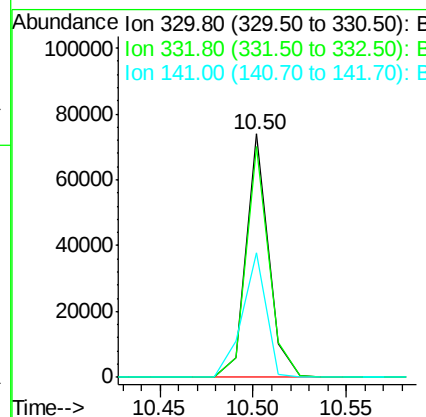
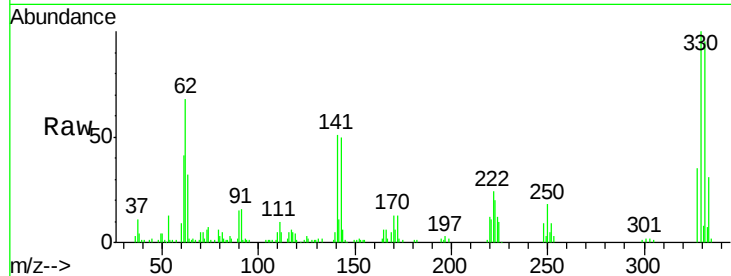
#41
 2,4,6-Tribromophenol
 Concen: 76.95 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF089000.D
 Acq: 14 Jul 2016 22:21

Instrument :
 BNA_F
 ClientSampleId :
 C8-B1(0-6)C

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	0.0	0.0#
141	55.1	0.0	0.0#

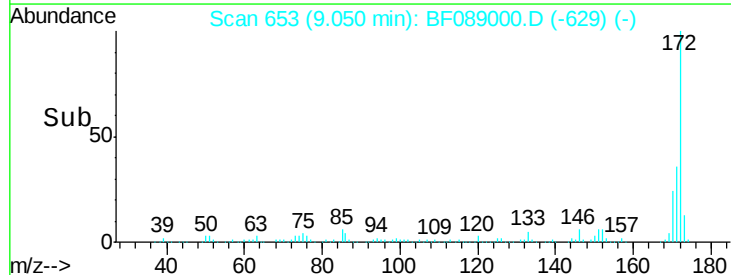
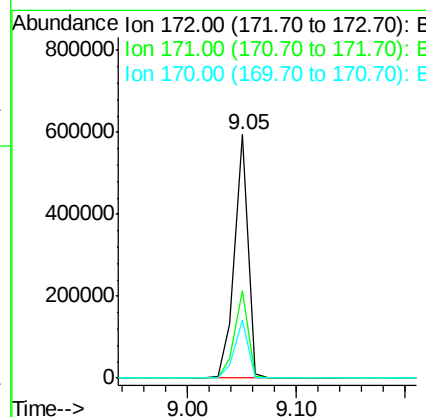
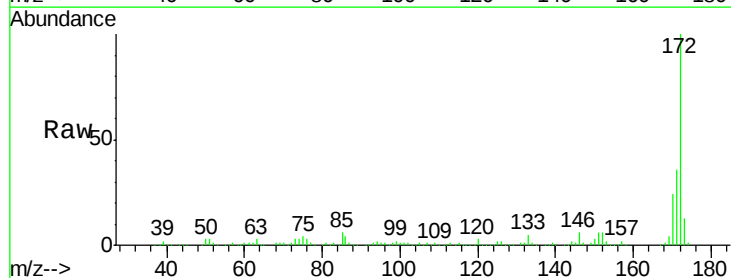
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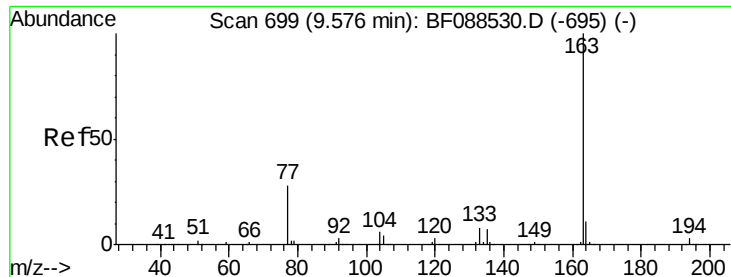
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#44
 2-Fluorobiphenyl
 Concen: 92.53 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF089000.D
 Acq: 14 Jul 2016 22:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	23.8	19.2	28.8





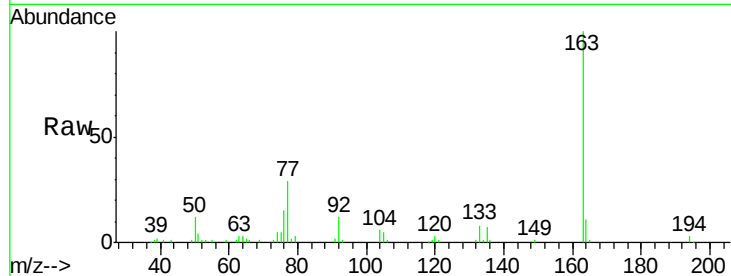
#49
Dimethylphthalate
Concen: 11.81 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF089000.D
Acq: 14 Jul 2016 22:21

Instrument :
BNA_F
ClientSampleId :
C8-B1(0-6)C

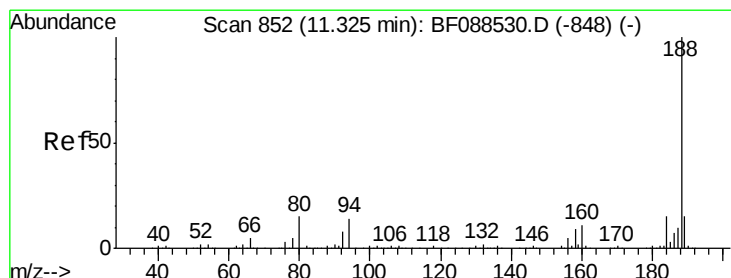
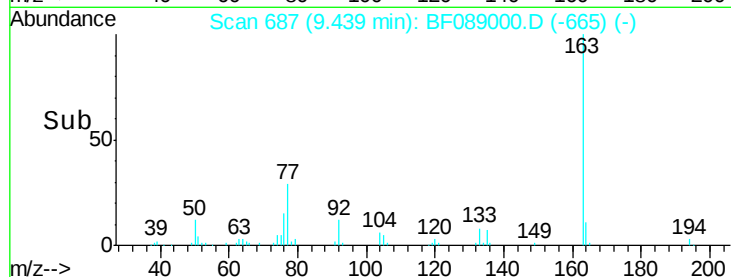
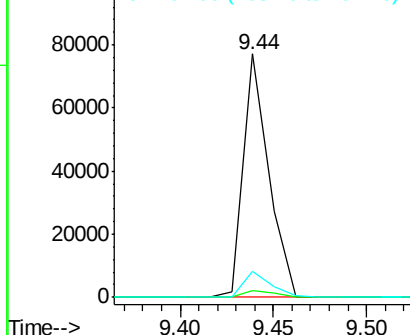
Tot Ion:163 Resp: 73130
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.7 8.3 12.5

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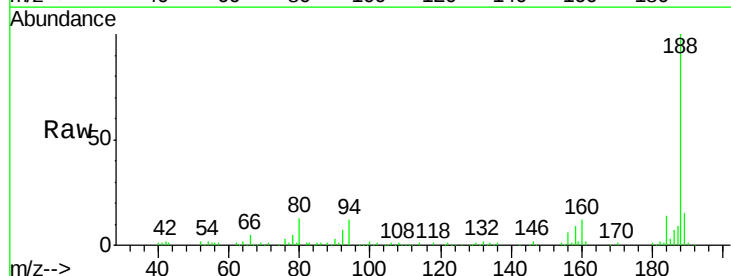


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

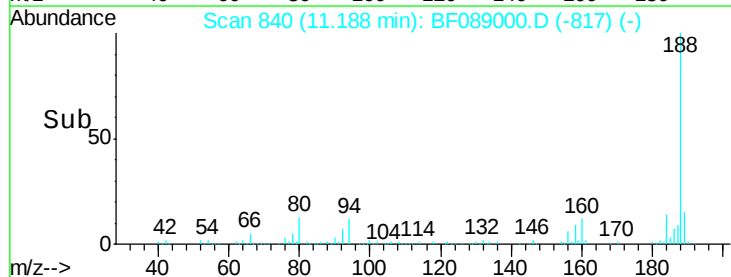
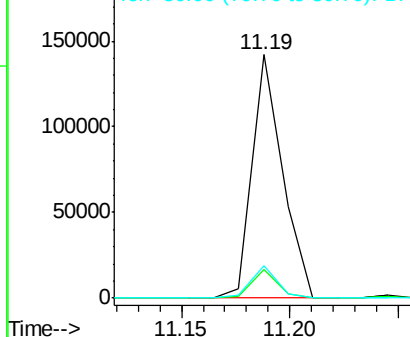


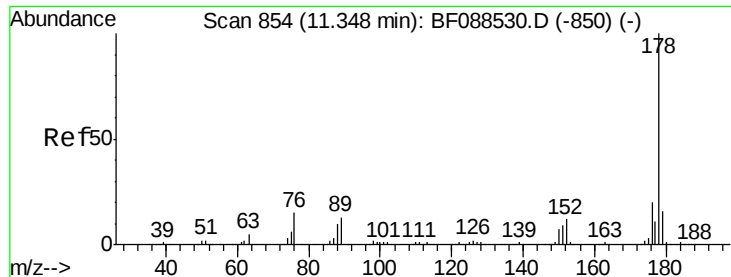
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089000.D
Acq: 14 Jul 2016 22:21

Tgt Ion:188 Resp: 138138
Ion Ratio Lower Upper
188 100
94 11.8 9.0 13.6
80 13.4 10.0 15.0



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.15 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.03 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

C8-B1(0-6)C

Tot Ion:178 Resp: 38923

Ion Ratio Lower Upper

178 100

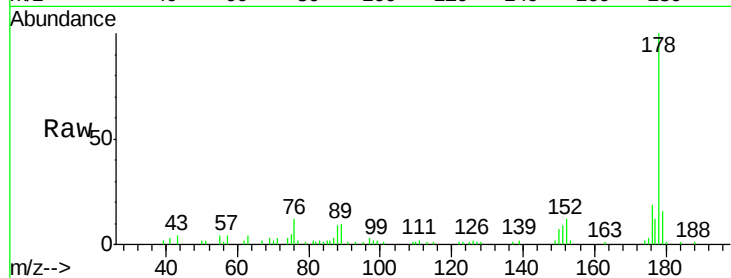
176 19.0 15.8 23.6

179 15.9 13.0 19.4

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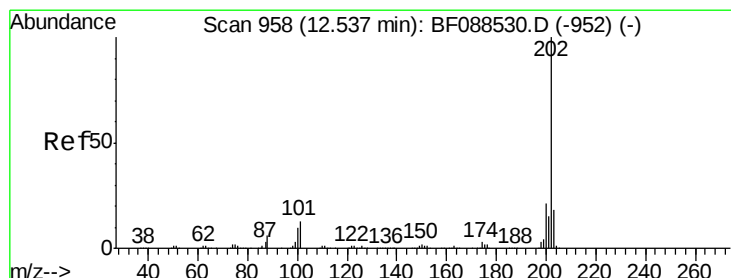
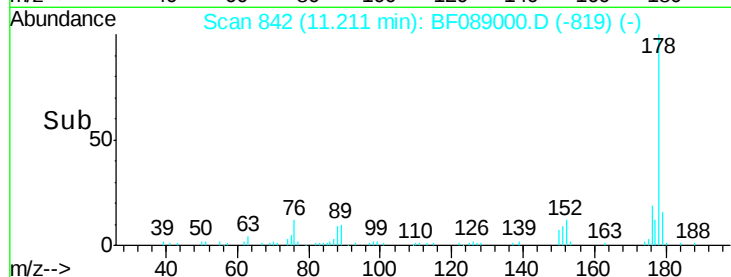
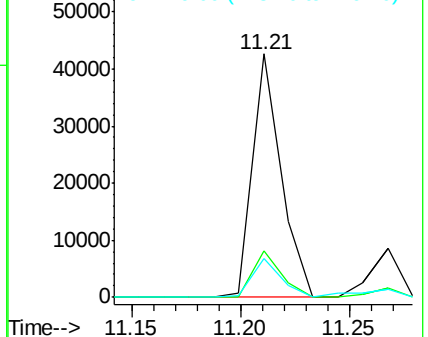
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 9.48 ng

RT: 12.40 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

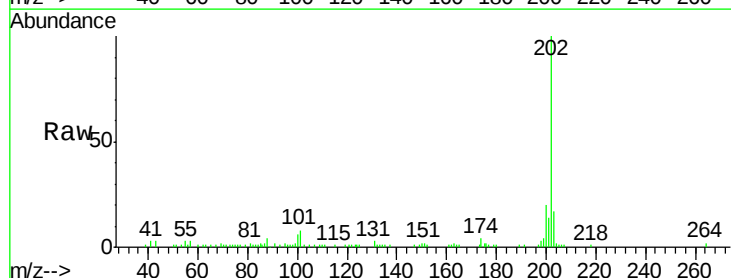
Tgt Ion:202 Resp: 72543

Ion Ratio Lower Upper

202 100

101 7.5 0.0 33.1

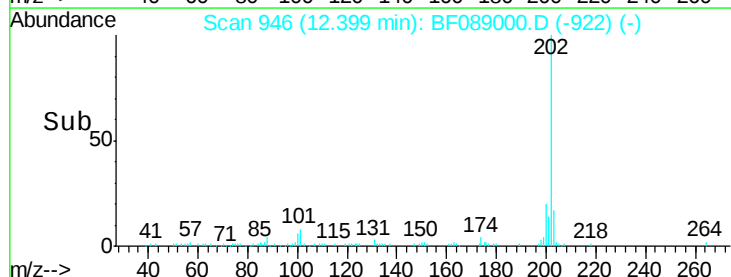
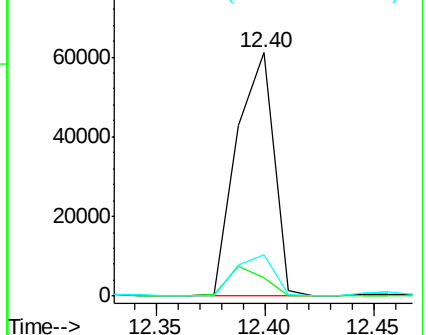
203 17.0 0.0 38.1

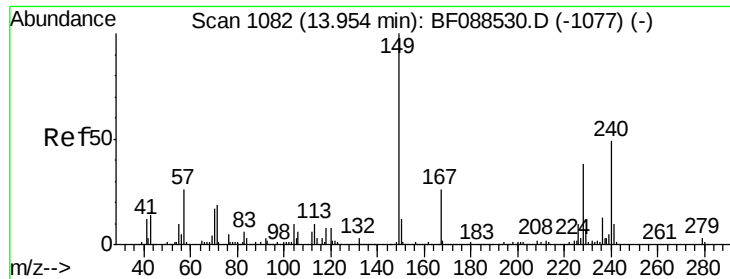


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.82 min Scan# 1070

Delta R.T. -0.03 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

C8-B1(0-6)C

Tot Ion:240 Resp: 127545

Ion Ratio Lower Upper

240 100

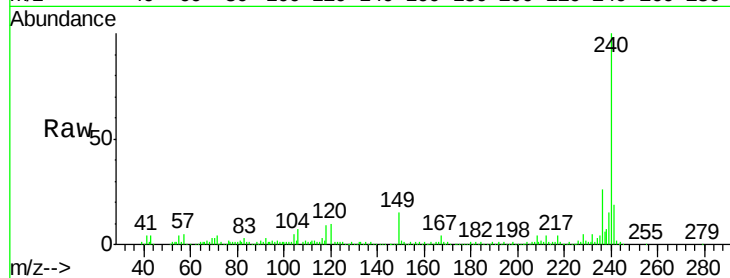
120 10.3 6.8 10.2#

236 25.7 20.2 30.2

Manual Integrations

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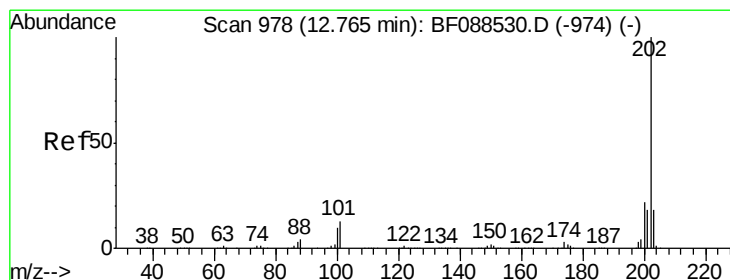
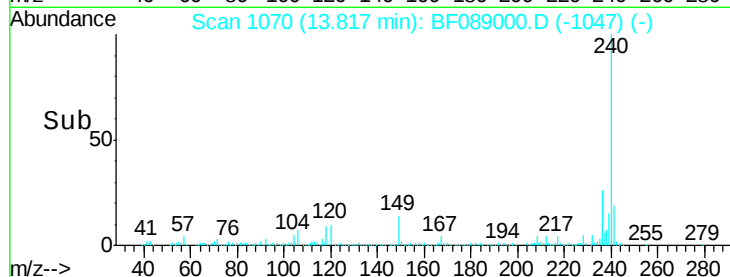
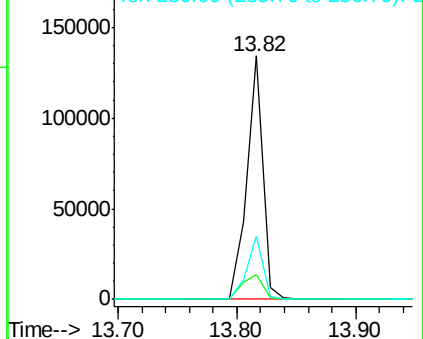
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.43 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

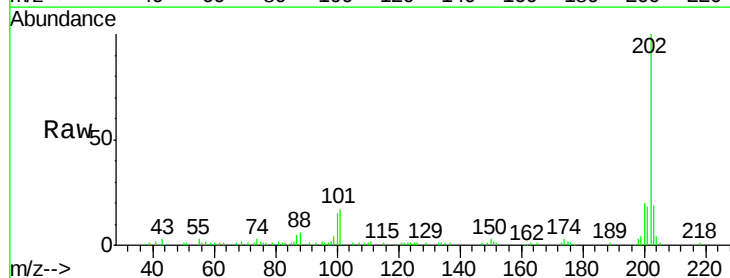
Tgt Ion:202 Resp: 69567

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

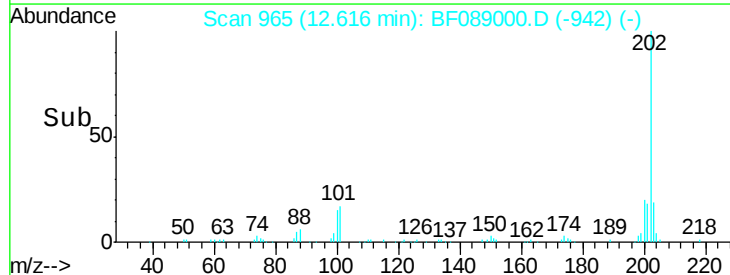
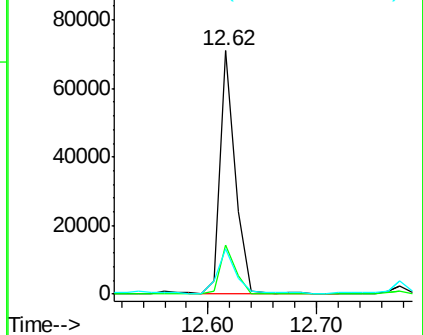
203 18.5 14.5 21.7

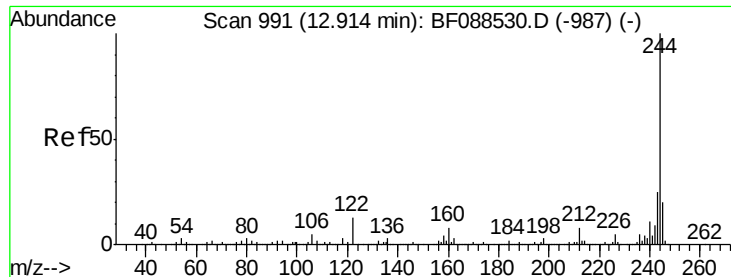


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.31 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.02 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

C8-B1(0-6)C

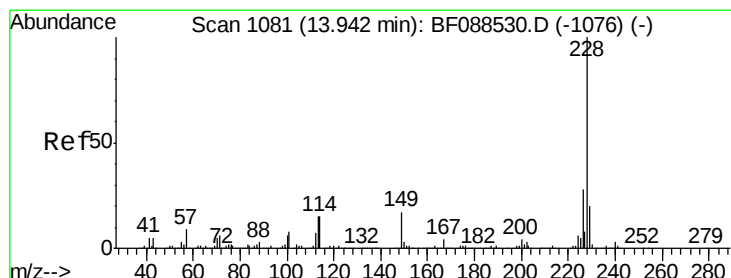
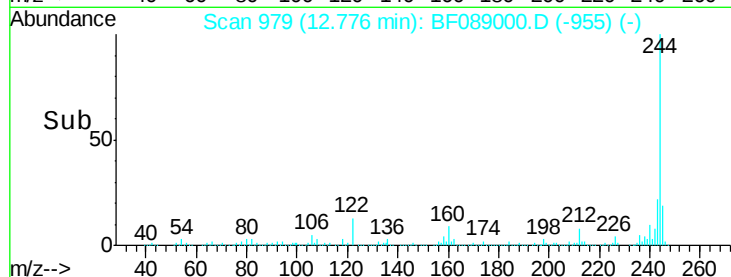
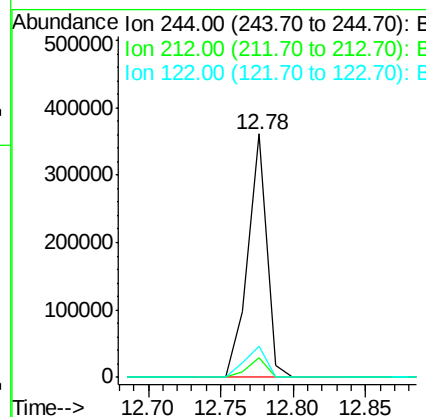
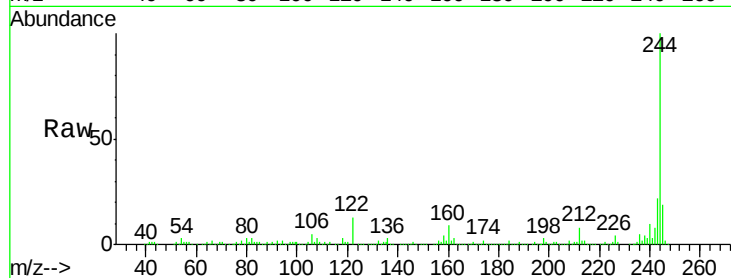
Tot Ion:	244	Resp:	328152
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.0	9.0
122	12.7	11.2	16.8

Manual Integrations

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#80

Benzo(a)anthracene

Concen: 4.43 ng

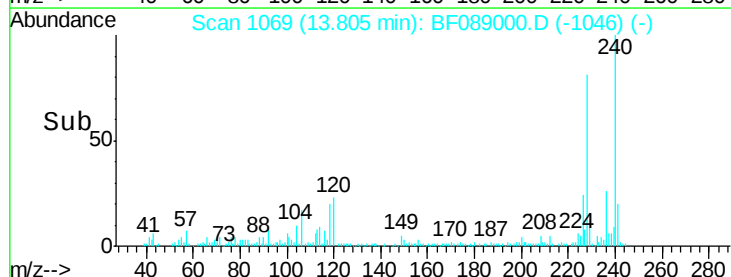
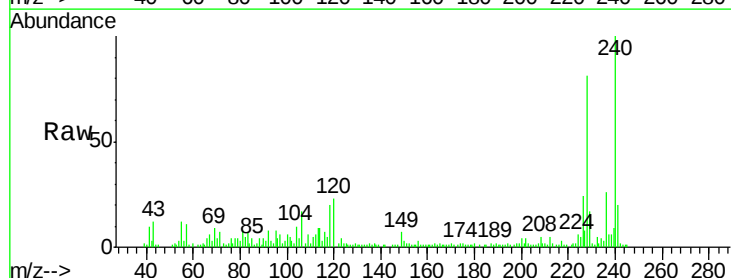
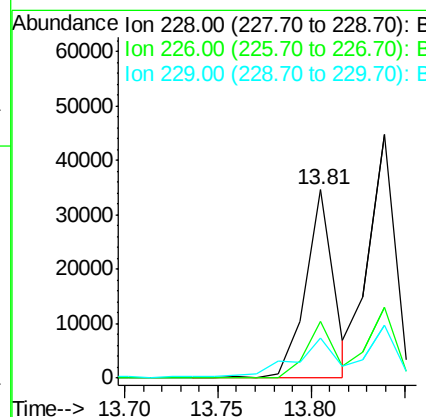
RT: 13.81 min Scan# 1069

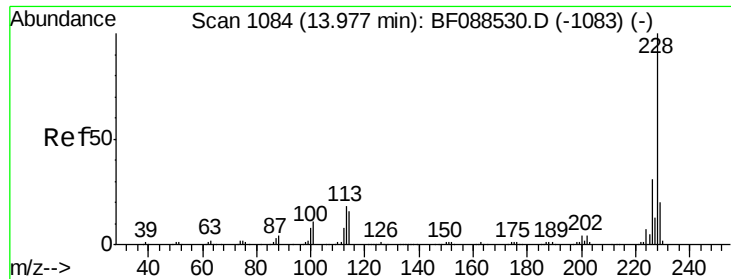
Delta R.T. -0.03 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Tgt Ion:	228	Resp:	36397
Ion Ratio	Lower	Upper	
228	100		
226	30.2	22.3	33.5
229	21.0	16.0	24.0





#82

Chrysene

Concen: 5.46 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.03 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

C8-B1(0-6)C

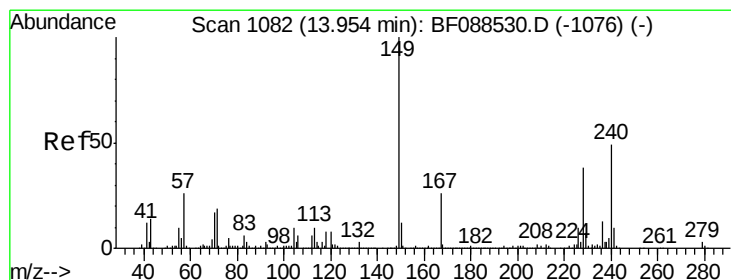
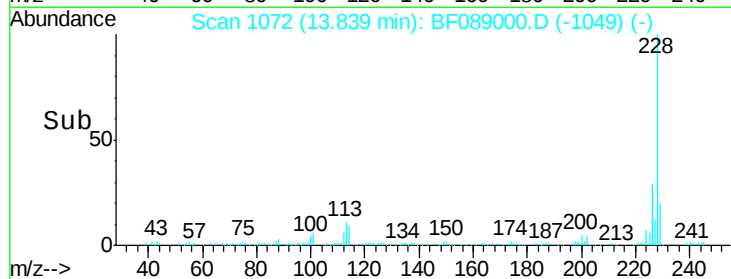
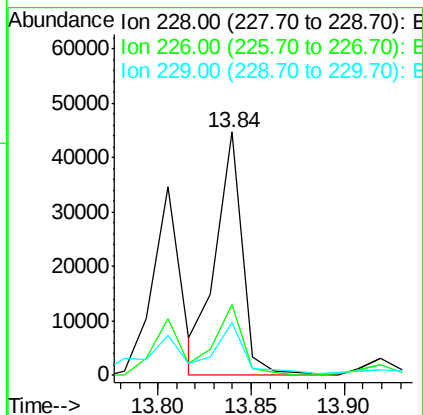
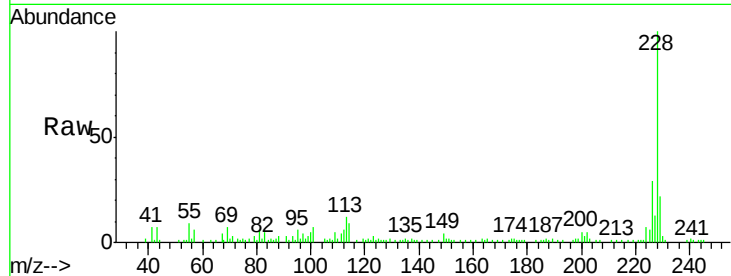
Tot Ion:	228	Resp:	44366
Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.4	38.2
229	21.7	16.3	24.5

Manual Integrations

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.06 ng

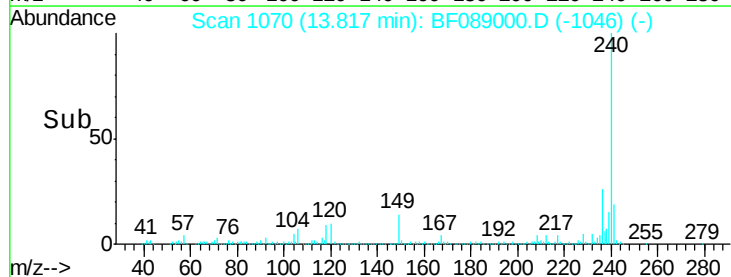
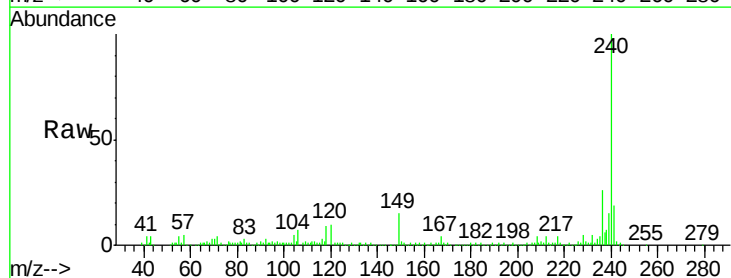
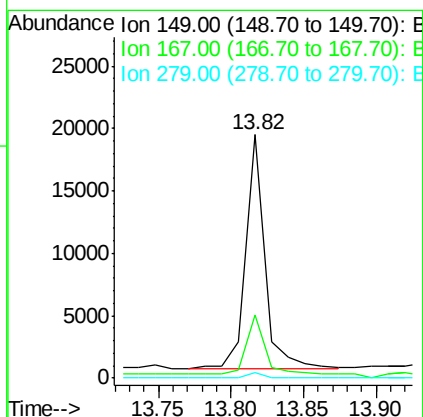
RT: 13.82 min Scan# 1070

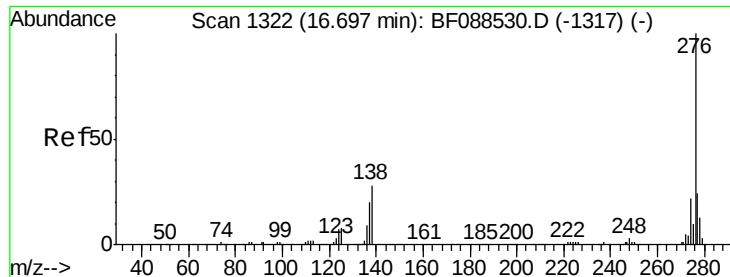
Delta R.T. -0.02 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Tgt Ion:	149	Resp:	16852
Ion	Ratio	Lower	Upper
149	100		
167	26.0	20.5	30.7
279	2.3	2.0	3.0





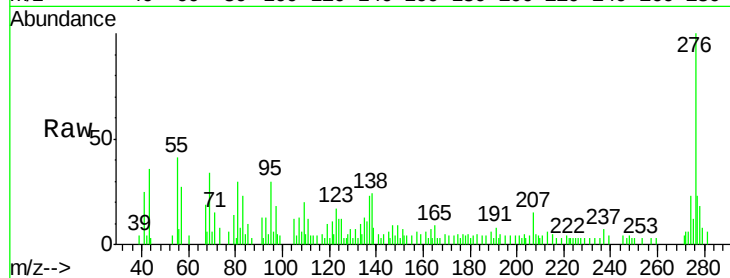
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.20 ng
RT: 16.46 min Scan# 1301
Delta R.T. -0.05 min
Lab File: BF089000.D
Acq: 14 Jul 2016 22:21

Instrument :
BNA_F
ClientSampleId :
C8-B1(0-6)C

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	0.0	0.0#
277	31.2	0.0	0.0#

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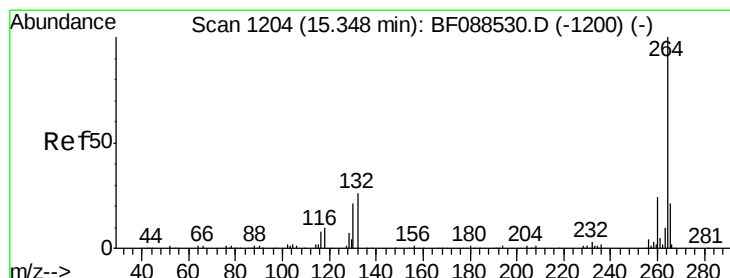
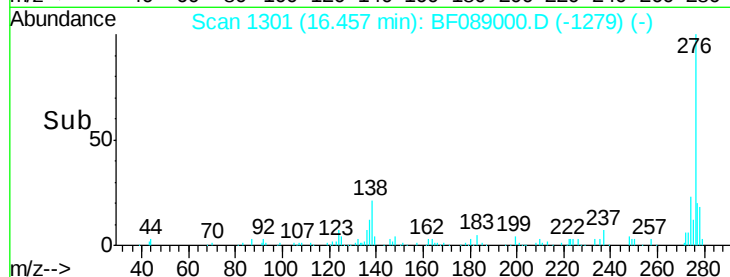
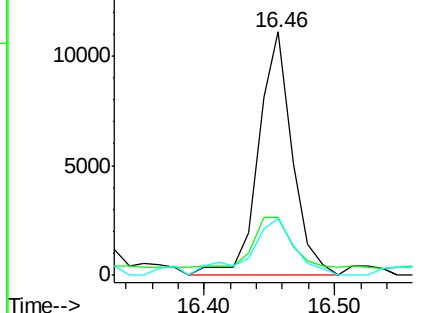


Abundance

Ion 276.00 (275.70 to 276.70): E

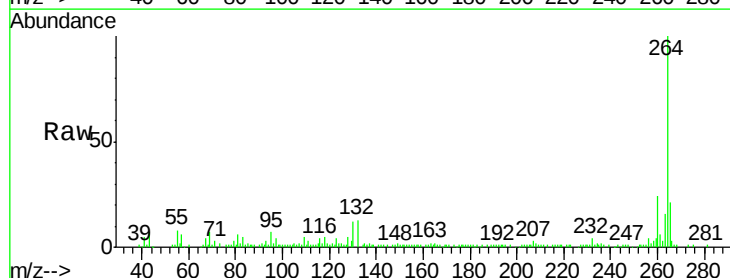
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089000.D
Acq: 14 Jul 2016 22:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.3	16.9	25.3

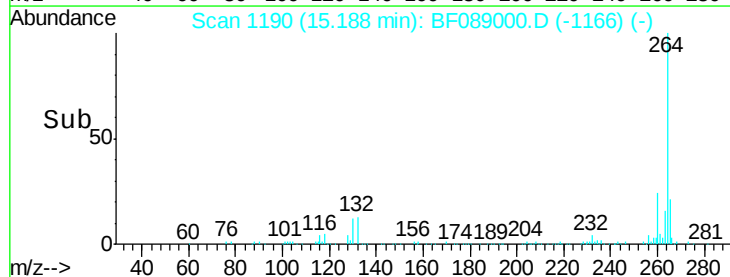
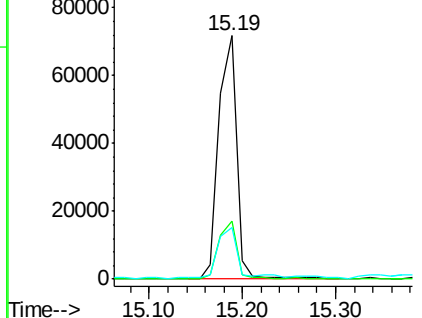


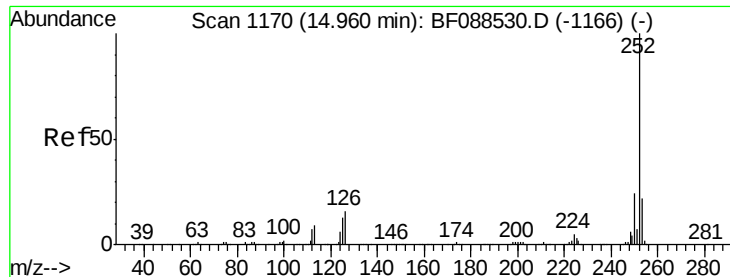
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.96 ng m

RT: 14.81 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

C8-B1(0-6)C

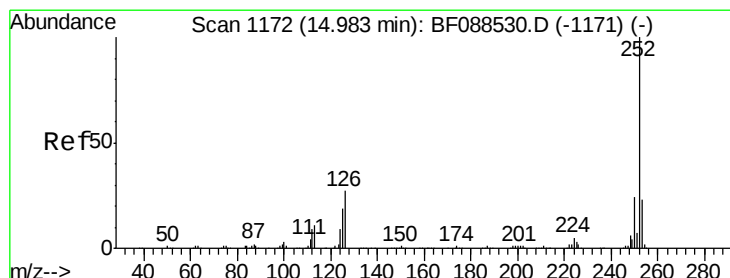
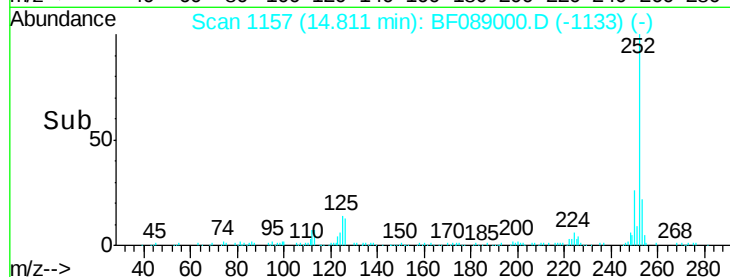
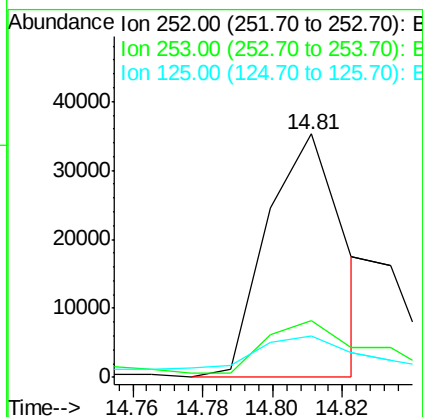
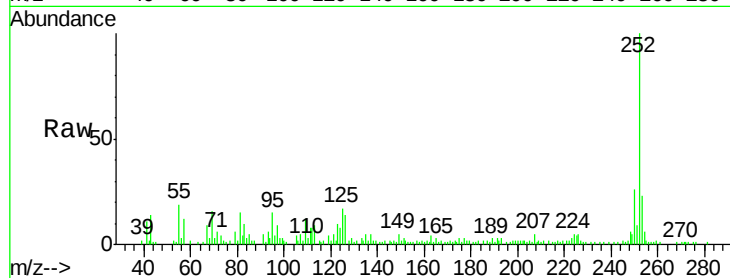
Tot Ion:	252	Resp:	53905
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.4	26.2
125	17.1	7.1	10.7#

Manual Integrations

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#88

Benzo(k)fluoranthene

Concen: 2.50 ng m

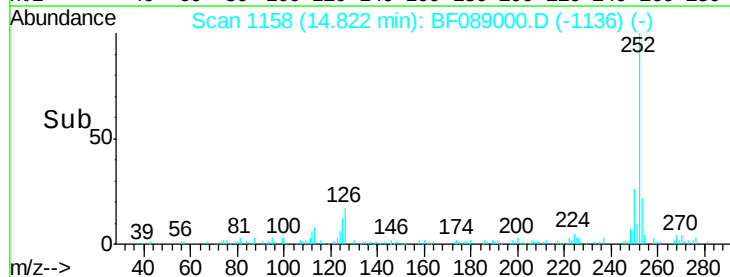
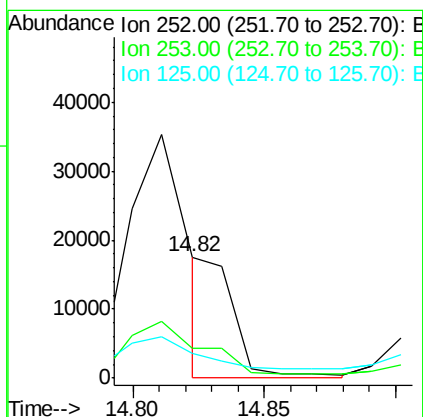
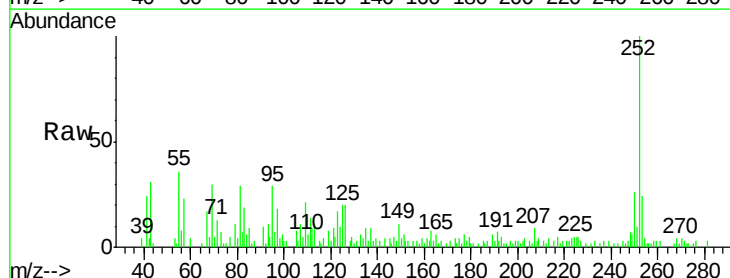
RT: 14.82 min Scan# 1158

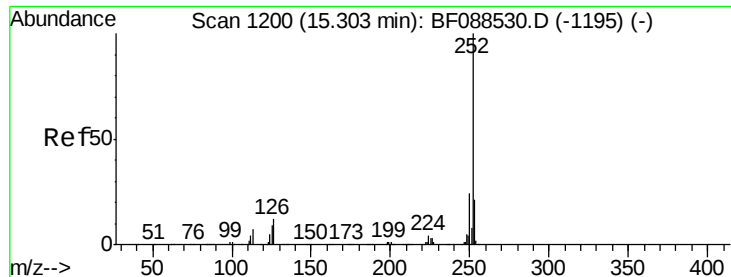
Delta R.T. -0.05 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Tgt Ion:	252	Resp:	13111
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.0	27.0
125	20.0	11.2	16.8#





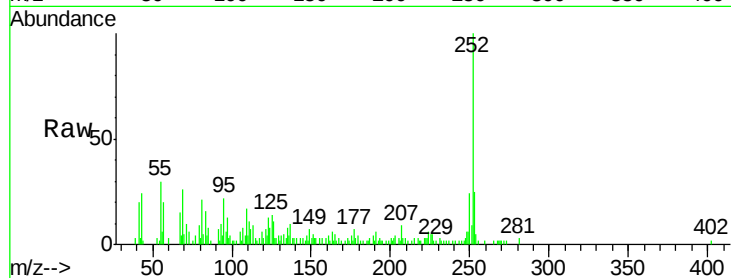
#89
Benzo(a)pyrene
Concen: 5.73 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.03 min
Lab File: BF089000.D
Acq: 14 Jul 2016 22:21

Instrument :
BNA_F
ClientSampleId :
C8-B1(0-6)C

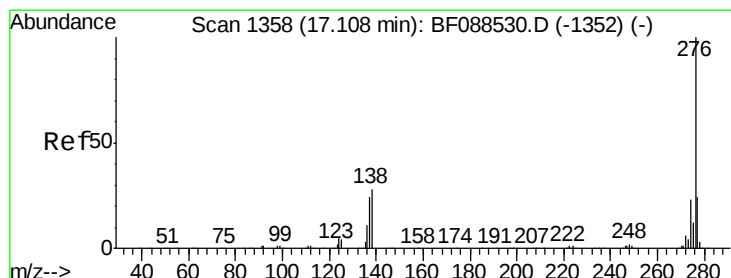
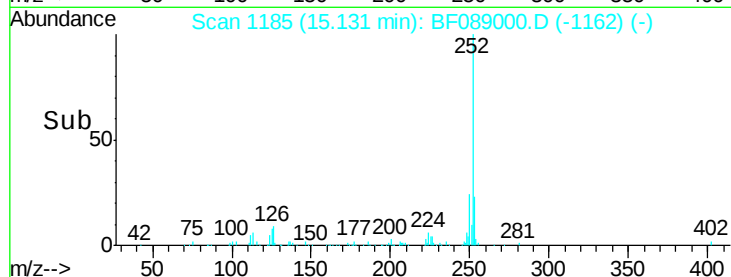
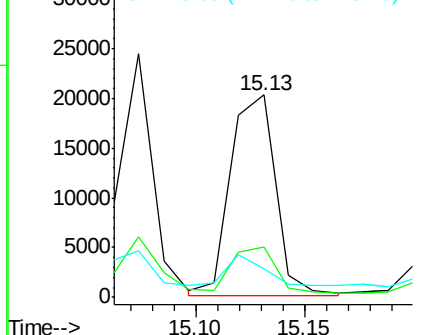
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	14.1	12.5	18.7

Manual Integrations

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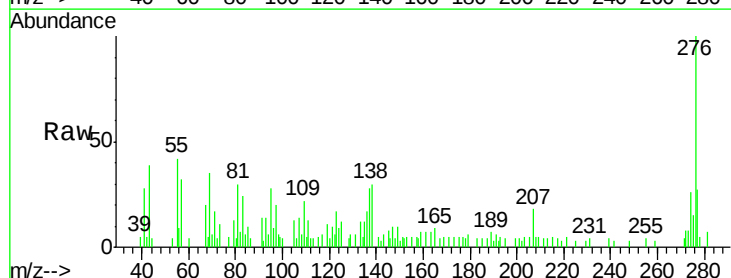


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.39 ng
RT: 16.83 min Scan# 1334
Delta R.T. -0.06 min
Lab File: BF089000.D
Acq: 14 Jul 2016 22:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.9	28.3
138	29.8	21.4	32.2



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

