

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070516\
 Data File : BF088727.D
 Acq On : 6 Jul 2016 3:02
 Operator : UM/SJ
 Sample : H3881-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B6-0-5-C

Manual Integrations

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 7/6/2016 7:20:28 PM

Quant Time: Jul 06 12:57:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 06 01:47:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	107785	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	388869	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	168505	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	281773	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	206894	20.00	ng	-0.01
86) Perylene-d12	15.30	264	196098	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	605917	84.25	ng	0.00
7) Phenol-d6	6.41	99	852022	91.69	ng	0.00
23) Nitrobenzene-d5	7.34	82	516284	69.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	154530	98.76	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	920698	86.31	ng	0.00
78) Terphenyl-d14	12.87	244	561151	60.41	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.53	163	182285	15.18	ng	99
70) Phenanthrene	11.30	178	58325	3.79	ng	99
74) Fluoranthene	12.50	202	126571	8.11	ng	93
77) Pyrene	12.72	202	122113	6.96	ng	97
80) Benzo(a)anthracene	13.90	228	67721m	5.08	ng	
82) Chrysene	13.93	228	78598m	5.96	ng	
83) Bis(2-ethylhexyl)phthalate	13.91	149	54428	6.09	ng	99
85) Indeno(1,2,3-cd)pyrene	16.63	276	35804	3.53	ng	# 100
87) Benzo(b)fluoranthene	14.91	252	105923m	8.61	ng	
88) Benzo(k)fluoranthene	14.93	252	24583m	2.30	ng	
89) Benzo(a)pyrene	15.25	252	56879	5.46	ng	97
91) Benzo(a,h,i)perylene	17.02	276	36588	4.07	ng	99

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

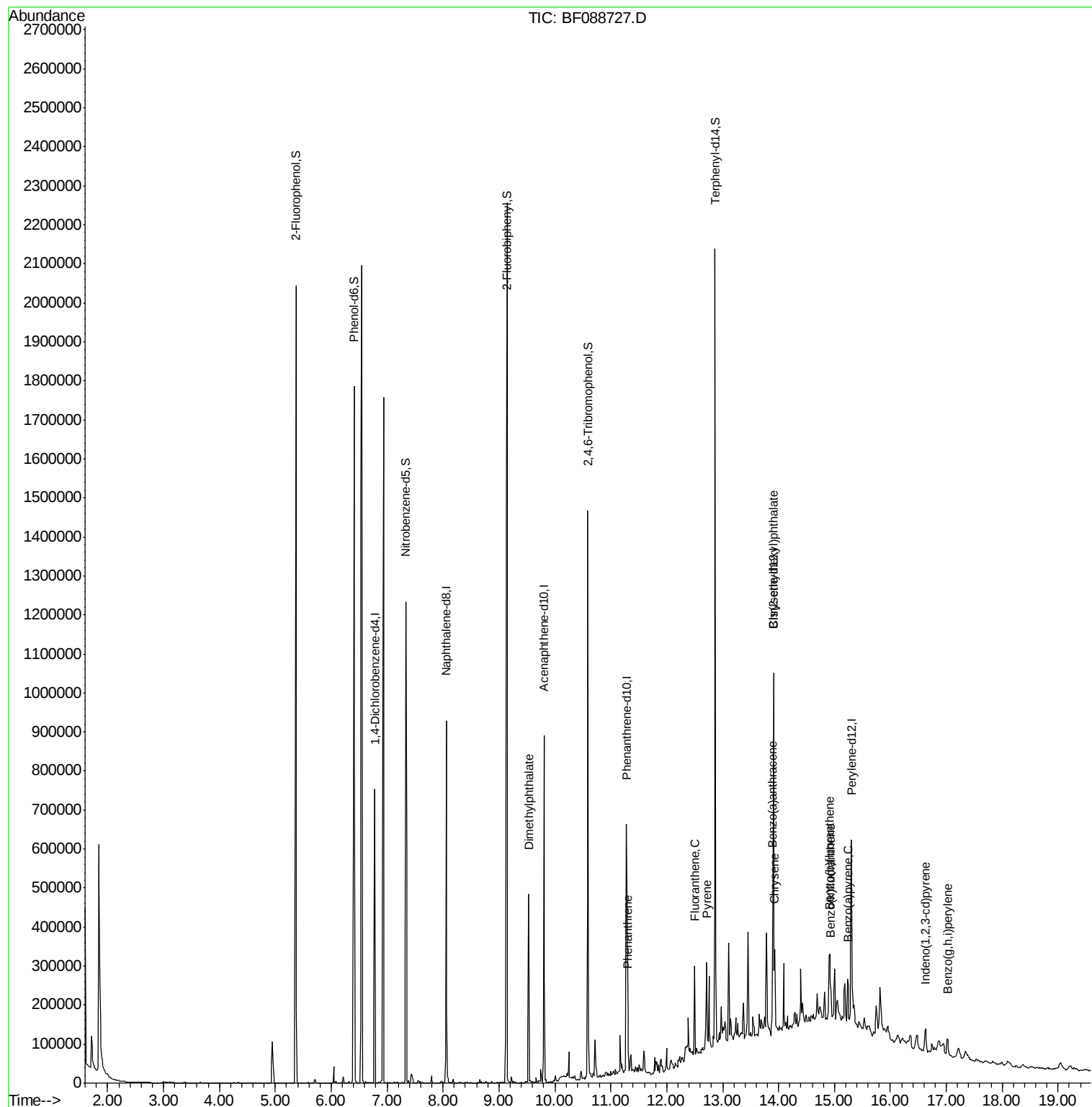
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070516\
Data File : BF088727.D
Acq On : 6 Jul 2016 3:02
Operator : UM/SJ
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 06 01:47:10 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF088727.D

Acq: 6 Jul 2016 3:02

Instrument :

BNA_F

ClientSampleId :

Q6-B6-0-5-C

Tot Ion:152 Resp: 107785

Ion Ratio Lower Upper

152 100

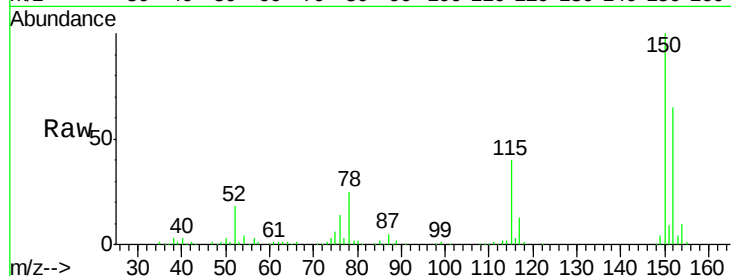
150 155.0 123.8 185.6

115 62.6 39.6 59.4#

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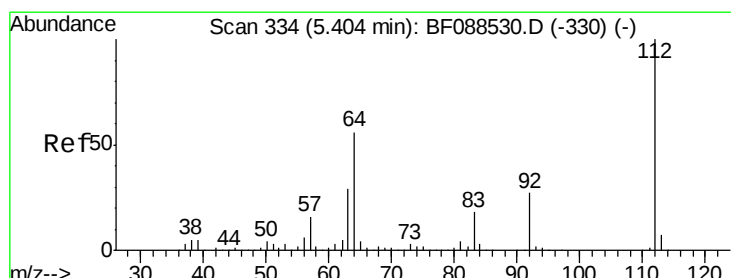
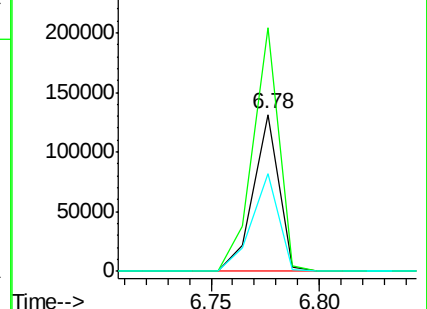
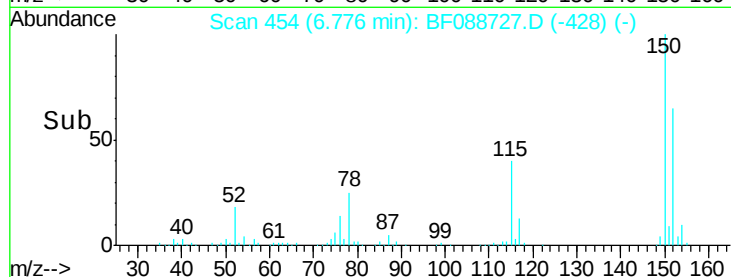
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 84.25 ng

RT: 5.37 min Scan# 331

Delta R.T. 0.00 min

Lab File: BF088727.D

Acq: 6 Jul 2016 3:02

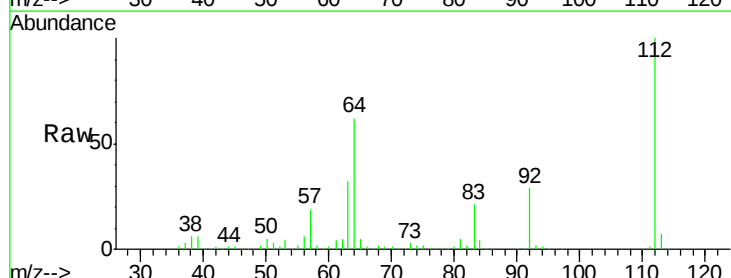
Tgt Ion:112 Resp: 605917

Ion Ratio Lower Upper

112 100

64 62.0 42.2 63.2

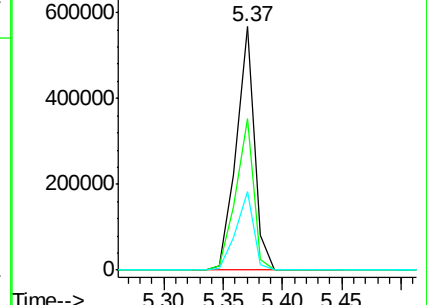
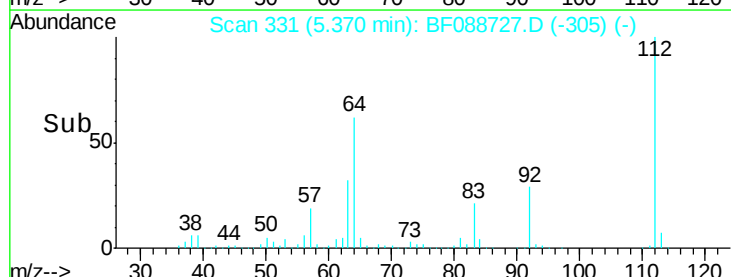
63 32.4 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.69 ng

RT: 6.41 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF088727.D

Acq: 6 Jul 2016 3:02

Instrument :

BNA_F

ClientSampleId :

Q6-B6-0-5-C

Tot Ion: 99 Resp: 852022

Ion Ratio Lower Upper

99 100

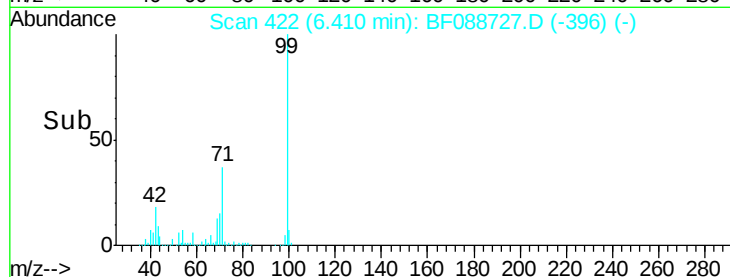
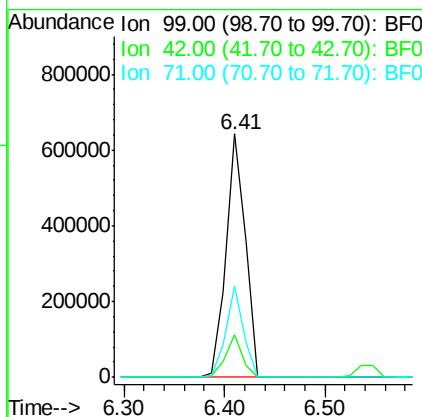
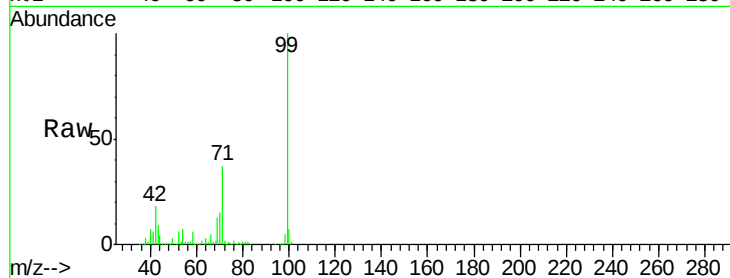
42 17.7 12.2 18.2

71 37.4 23.4 35.0#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF088727.D

Acq: 6 Jul 2016 3:02

Tgt Ion: 136 Resp: 388869

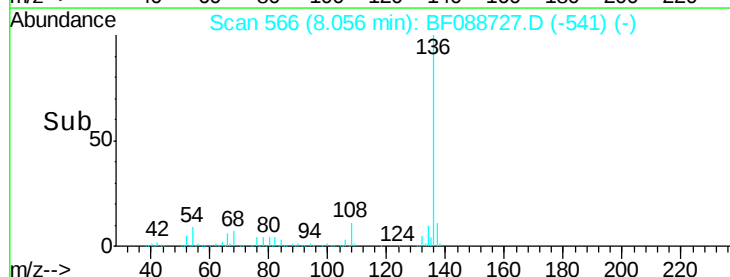
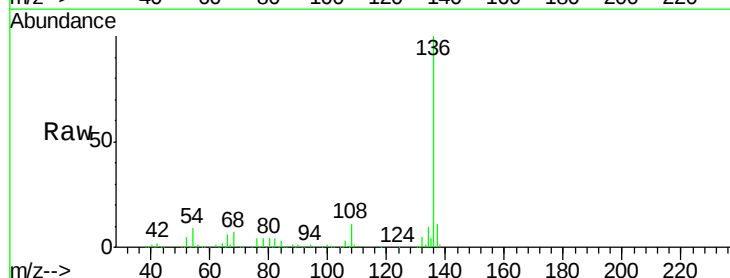
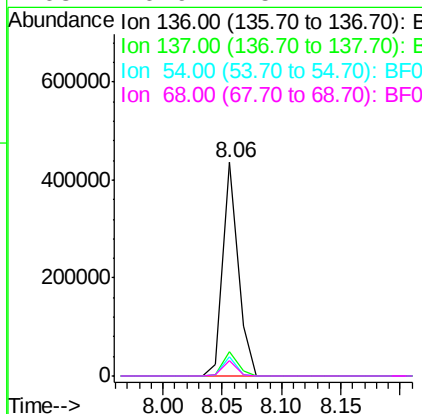
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.9 6.6 10.0

68 6.9 5.1 7.7





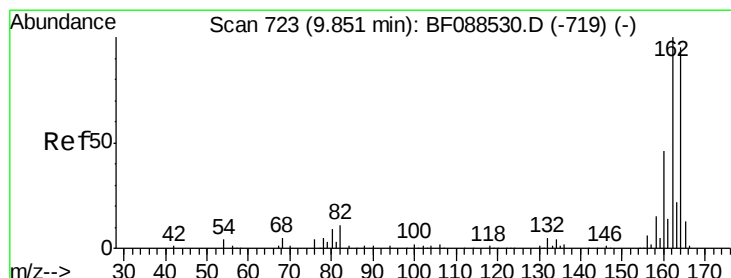
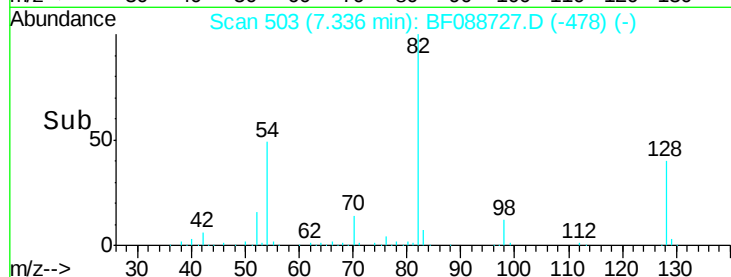
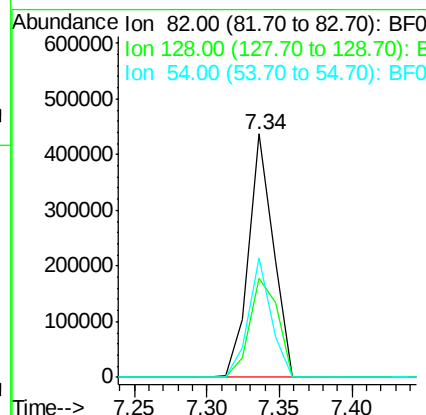
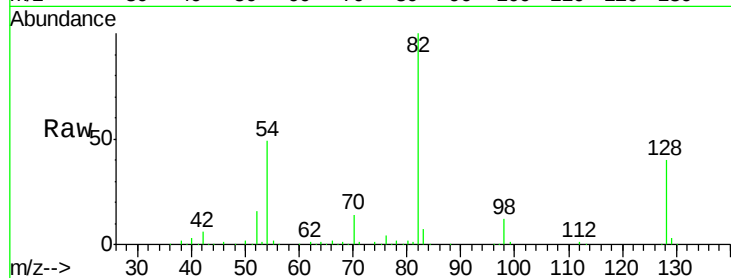
#23
 Nitrobenzene-d5
 Concen: 69.58 ng
 RT: 7.34 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: BF088727.D
 Acq: 6 Jul 2016 3:02

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B6-0-5-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.4	35.9	53.9
54	48.9	40.9	61.3

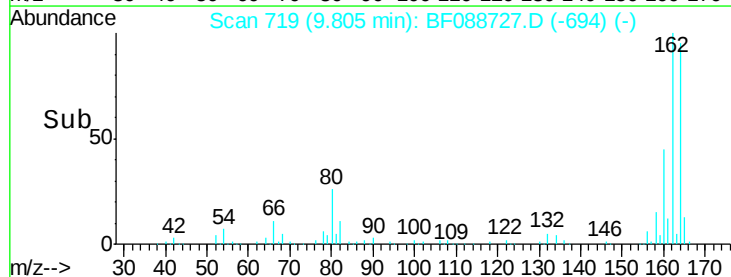
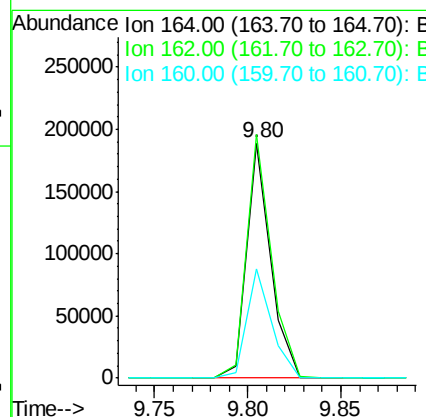
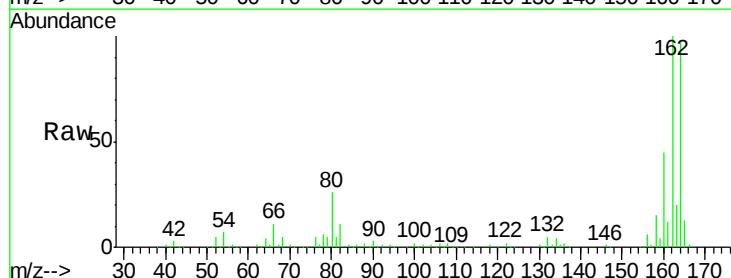
Manual Integrations

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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 719
 Delta R.T. -0.01 min
 Lab File: BF088727.D
 Acq: 6 Jul 2016 3:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	85.4	128.2
160	46.7	39.5	59.3





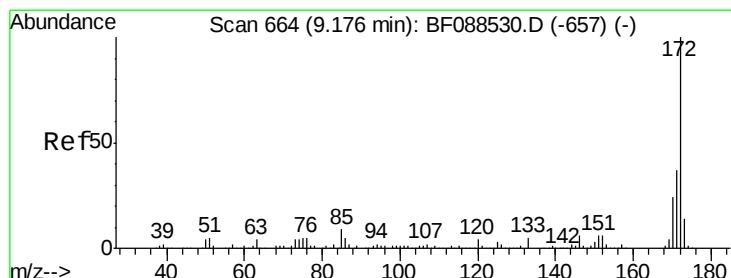
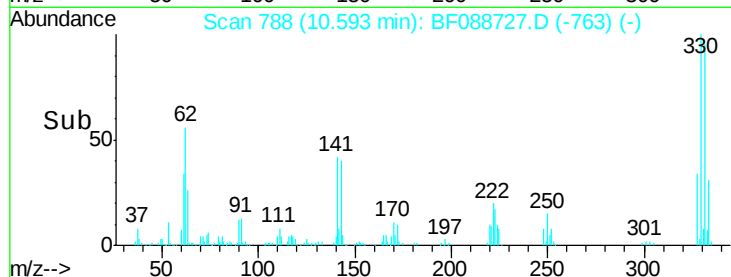
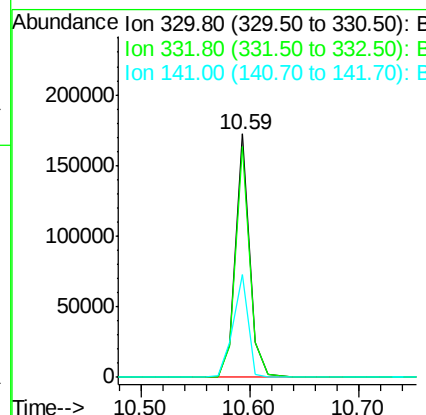
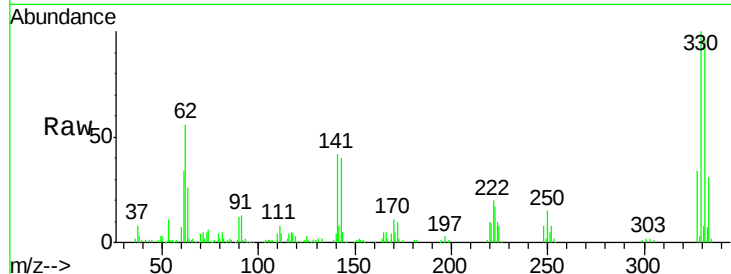
#41
 2,4,6-Tribromophenol
 Concen: 98.76 ng
 RT: 10.59 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF088727.D
 Acq: 6 Jul 2016 3:02

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B6-0-5-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	0.0	0.0	
141	44.9	0.0	0.0	

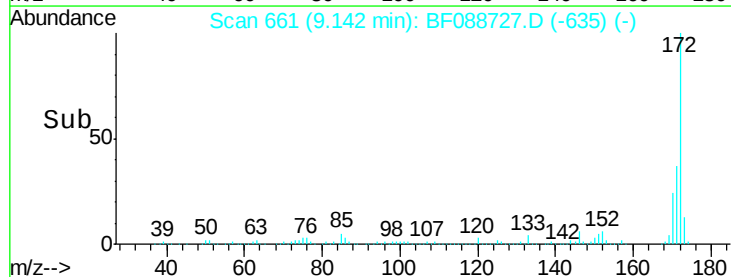
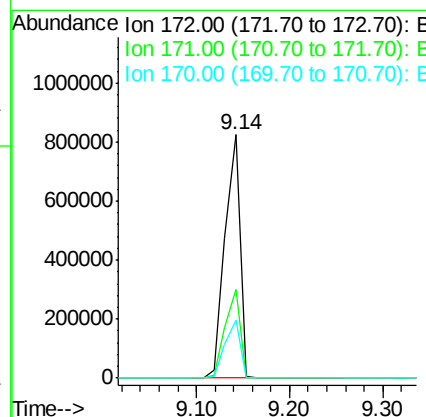
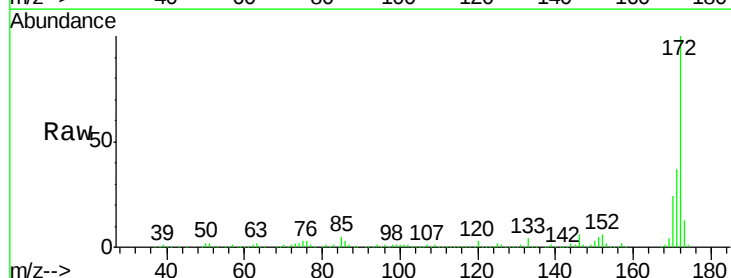
Manual Integrations

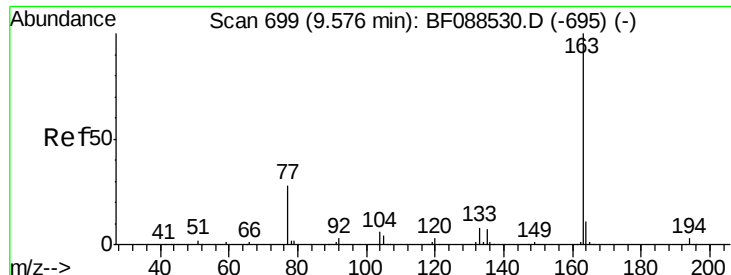
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#44
 2-Fluorobiphenyl
 Concen: 86.31 ng
 RT: 9.14 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF088727.D
 Acq: 6 Jul 2016 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.6	28.6	43.0	
170	24.1	19.2	28.8	





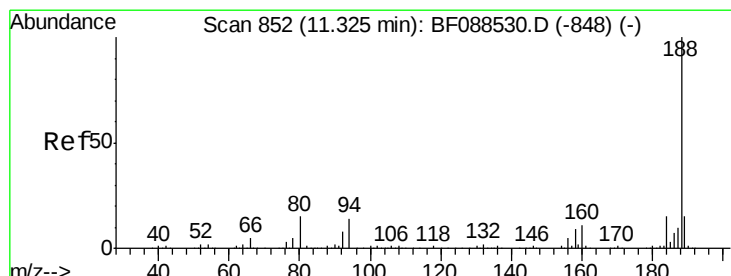
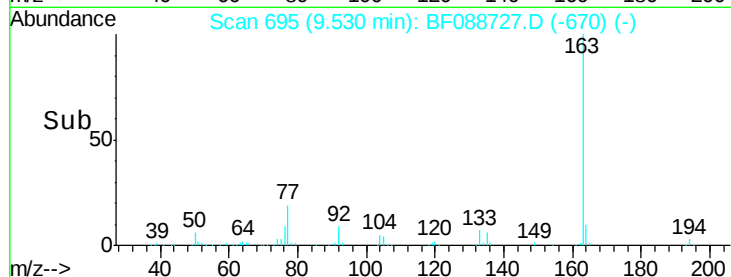
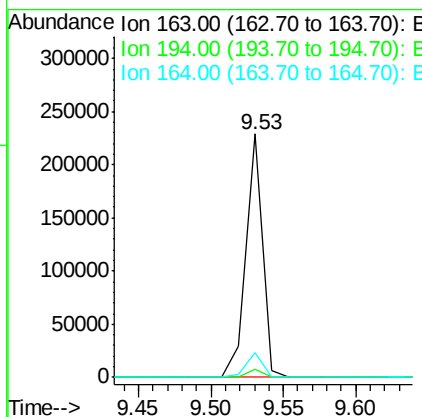
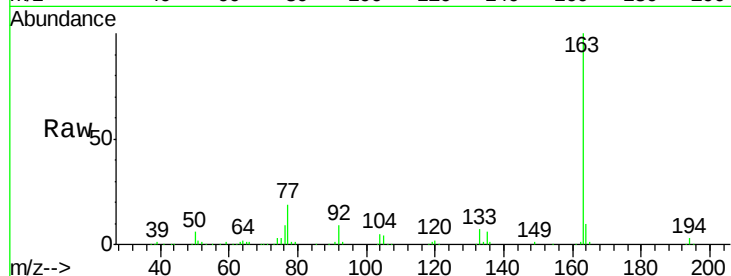
#49
Dimethylphthalate
Concen: 15.18 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF088727.D
Acq: 6 Jul 2016 3:02

Instrument :
BNA_F
ClientSampleId :
Q6-B6-0-5-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		182285		
194	3.3		2.8	4.2	
164	9.9		8.3	12.5	

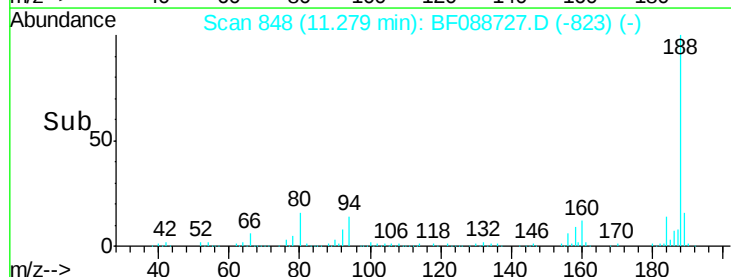
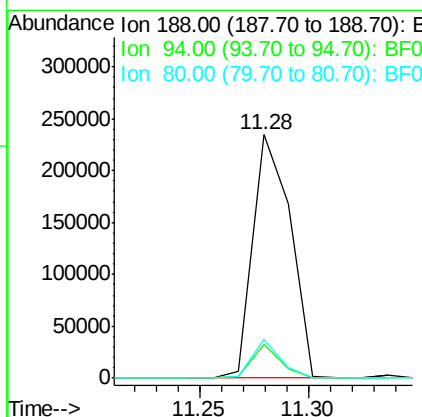
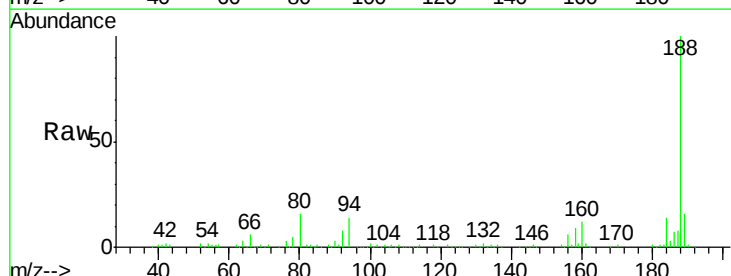
Manual Integrations

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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088727.D
Acq: 6 Jul 2016 3:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		281773		
94	13.8		9.0	13.6#	
80	16.2		10.0	15.0#	





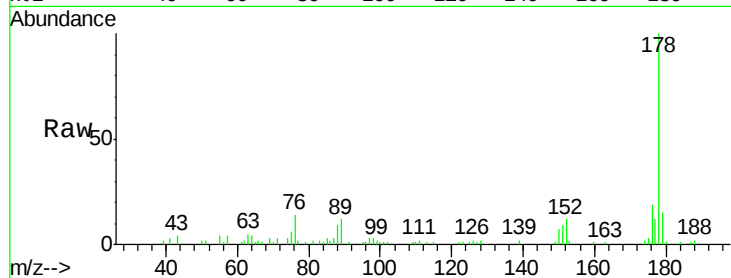
#70
Phenanthrene
Concen: 3.79 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF088727.D
Acq: 6 Jul 2016 3:02

Instrument :
BNA_F
ClientSampleId :
Q6-B6-0-5-C

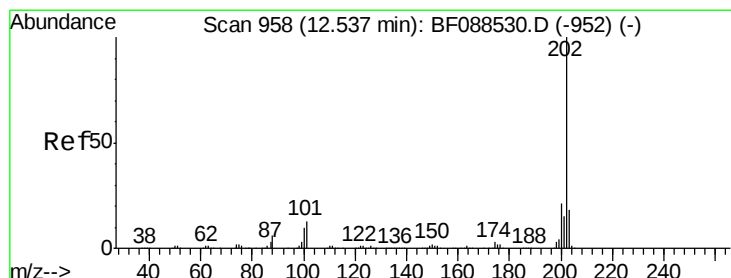
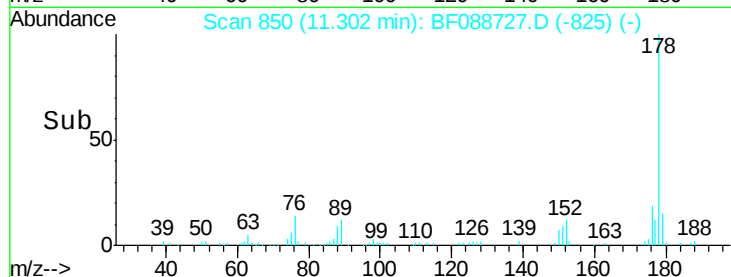
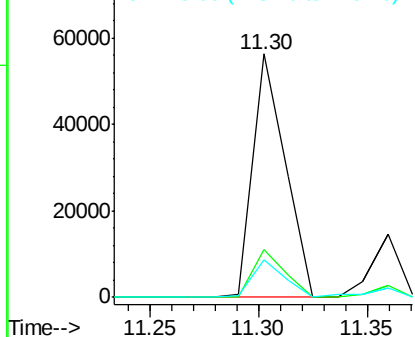
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.2	13.0	19.4

Manual Integrations

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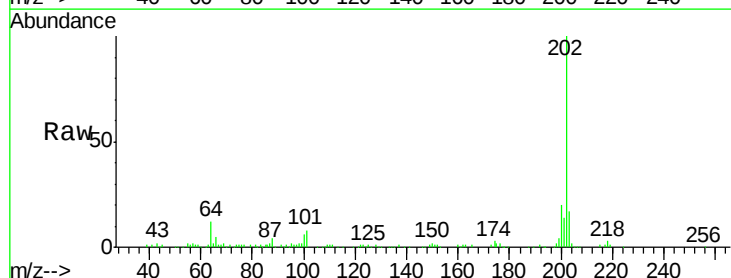


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

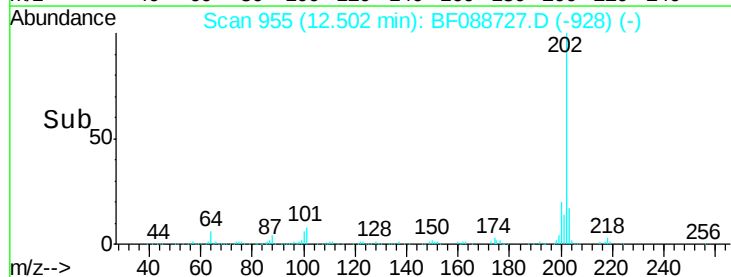
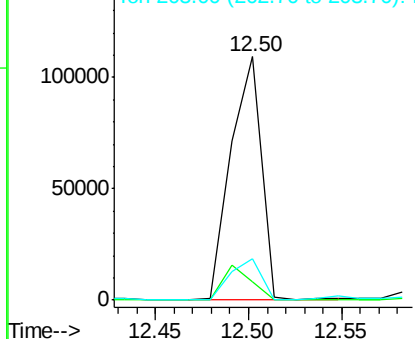


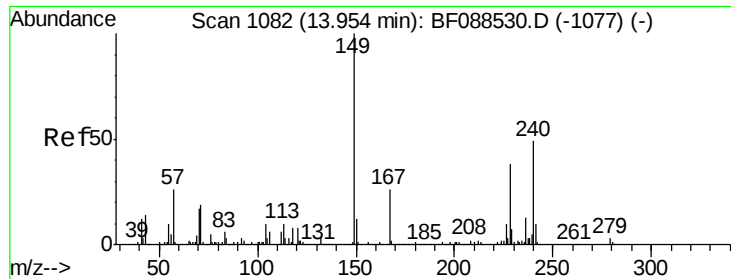
#74
Fluoranthene
Concen: 8.11 ng
RT: 12.50 min Scan# 955
Delta R.T. 0.01 min
Lab File: BF088727.D
Acq: 6 Jul 2016 3:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	33.1
203	17.1	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





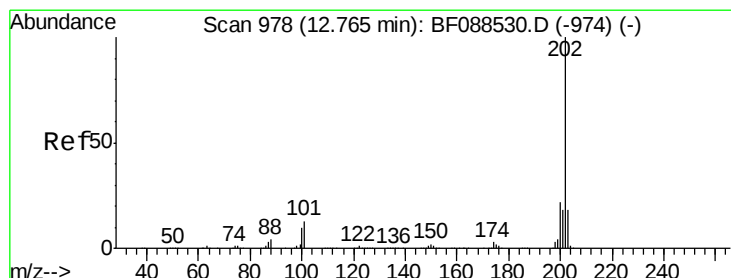
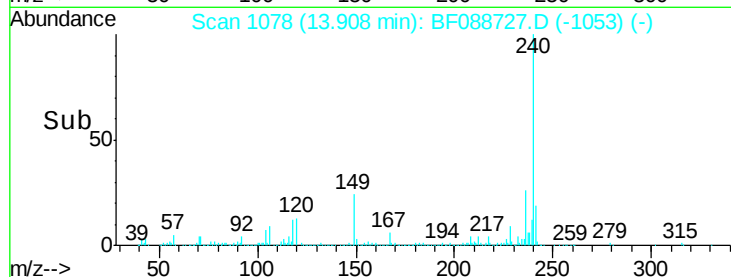
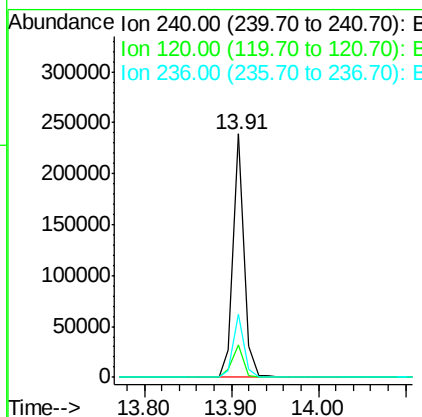
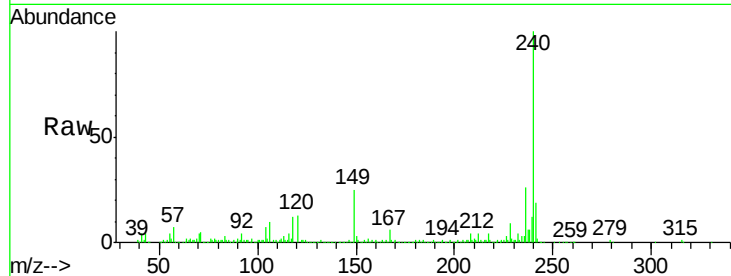
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.91 min Scan# 1078
Delta R.T. -0.01 min
Lab File: BF088727.D
Acq: 6 Jul 2016 3:02

Instrument :
BNA_F
ClientSampleId :
Q6-B6-0-5-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	6.8	10.2
236	25.9	20.2	30.2

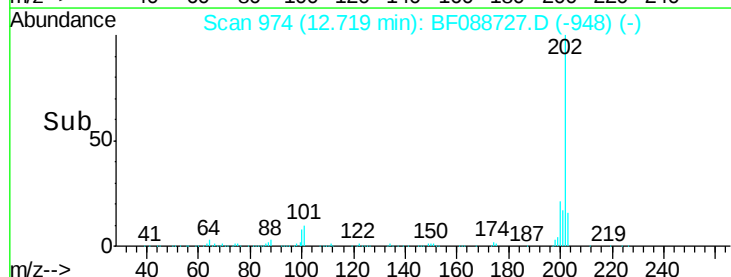
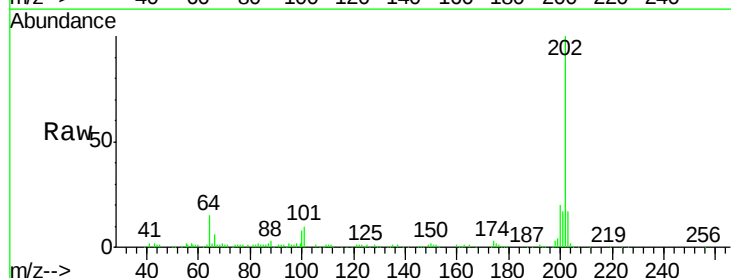
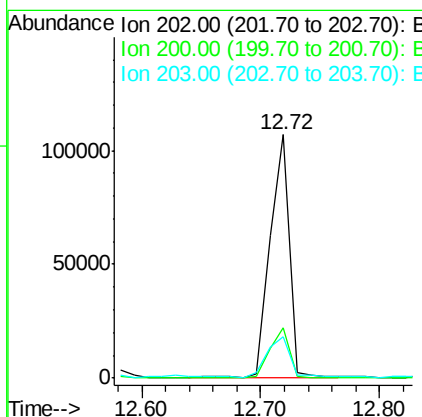
Manual Integrations

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#77
Pyrene
Concen: 6.96 ng
RT: 12.72 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF088727.D
Acq: 6 Jul 2016 3:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	16.8	14.5	21.7





#78

Terphenyl-d14

Concen: 60.41 ng

RT: 12.87 min Scan# 987

Delta R.T. 0.00 min

Lab File: BF088727.D

Acq: 6 Jul 2016 3:02

Instrument :

BNA_F

ClientSampleId :

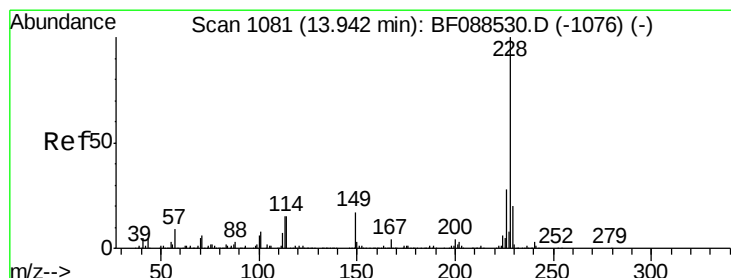
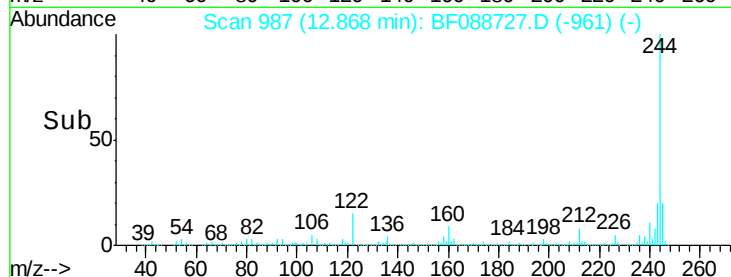
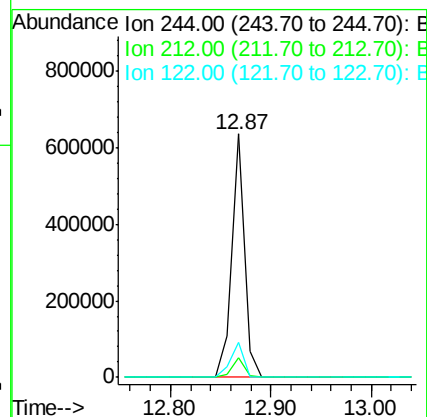
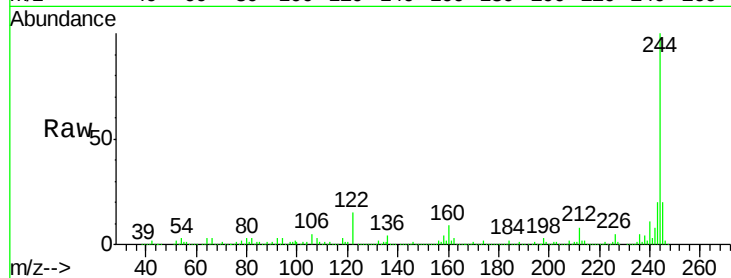
Q6-B6-0-5-C

Tot Ion:	244	Resp:	561151
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.0	9.0
122	14.5	11.2	16.8

Manual Integrations

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#80

Benzo(a)anthracene

Concen: 5.08 ng m

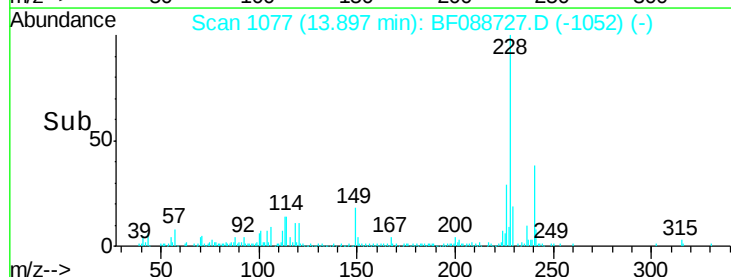
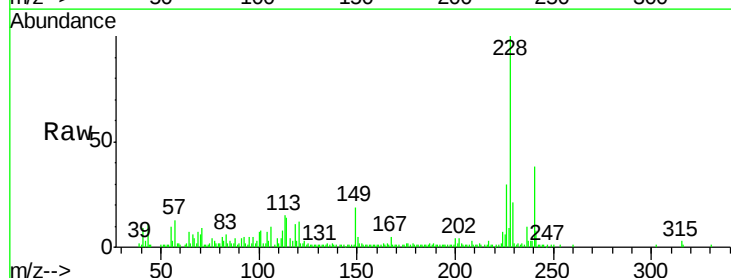
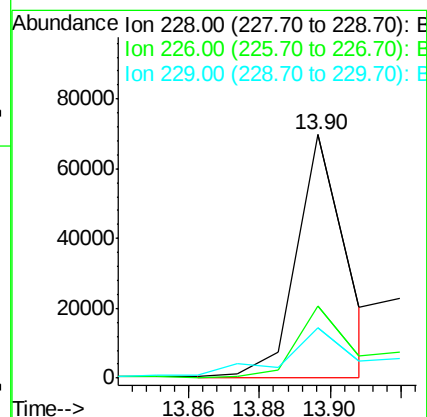
RT: 13.90 min Scan# 1077

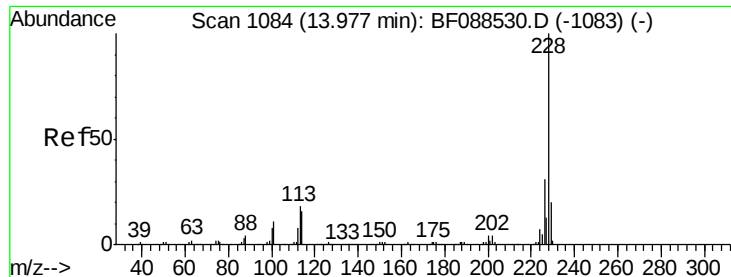
Delta R.T. -0.01 min

Lab File: BF088727.D

Acq: 6 Jul 2016 3:02

Tgt Ion:	228	Resp:	67721
Ion Ratio	Lower	Upper	
228	100		
226	29.6	22.3	33.5
229	20.6	16.0	24.0





#82

Chrysene

Concen: 5.96 ng/mL

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088727.D

Acq: 6 Jul 2016 3:02

Instrument :

BNA_F

ClientSampleID :

Q6-B6-0-5-C

Tot Ion: 228 Resp: 78598

Ion Ratio Lower Upper

228 100

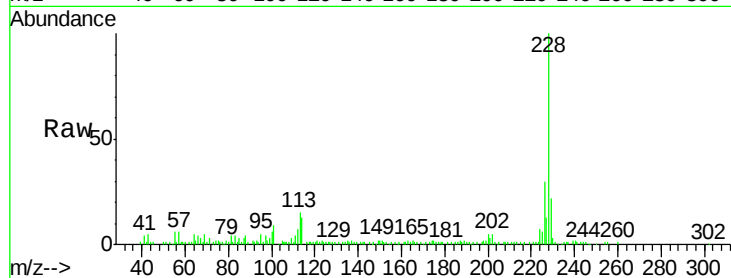
226 30.2 25.4 38.2

229 22.4 16.3 24.5

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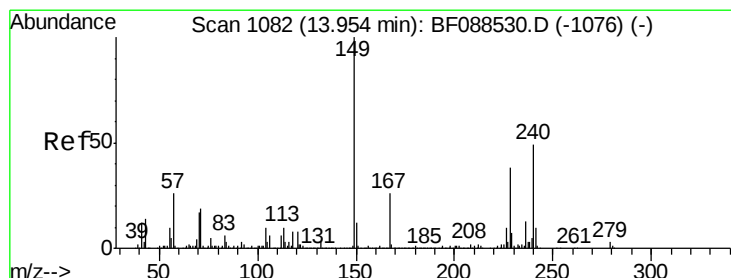
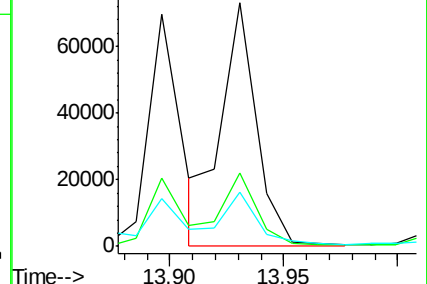
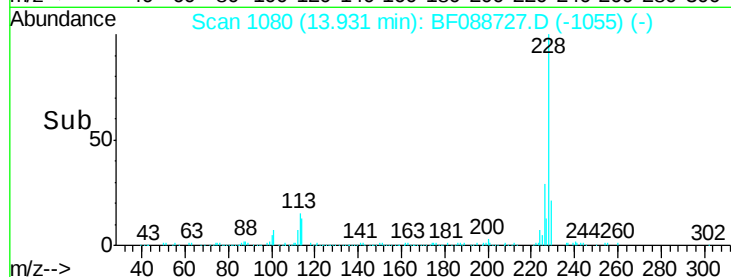
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.09 ng/mL

RT: 13.91 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BF088727.D

Acq: 6 Jul 2016 3:02

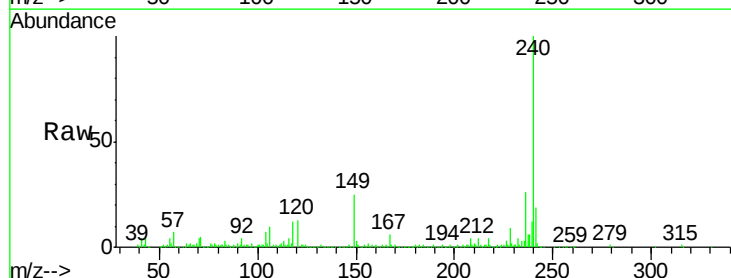
Tgt Ion: 149 Resp: 54428

Ion Ratio Lower Upper

149 100

167 26.0 20.5 30.7

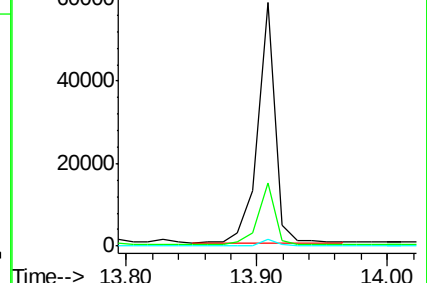
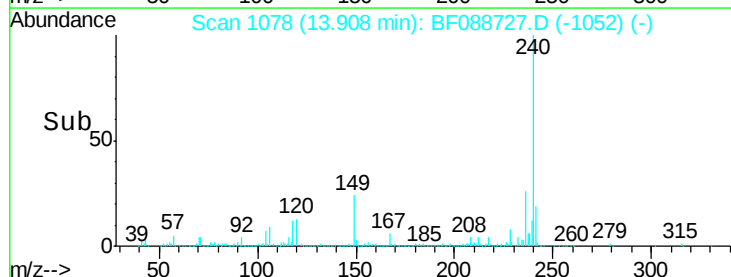
279 2.8 2.0 3.0

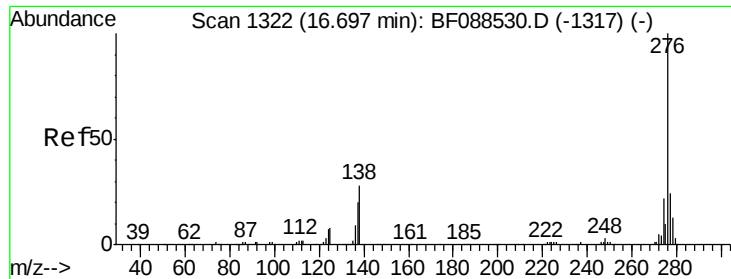


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





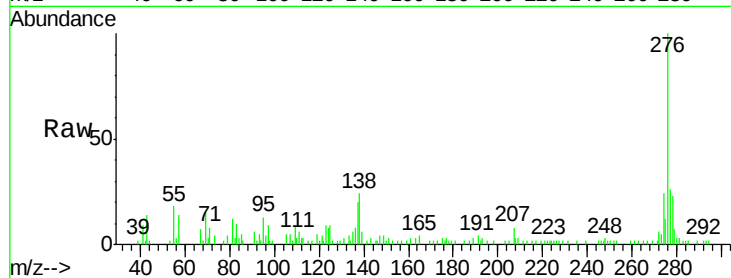
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.53 ng
RT: 16.63 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF088727.D
Acq: 6 Jul 2016 3:02

Instrument :
BNA_F
ClientSampleId :
Q6-B6-0-5-C

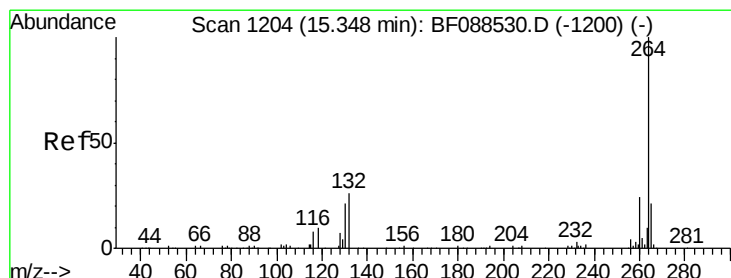
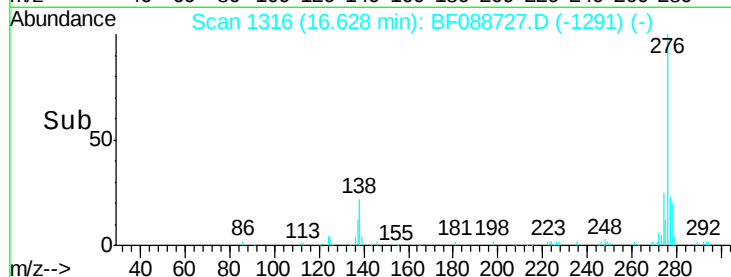
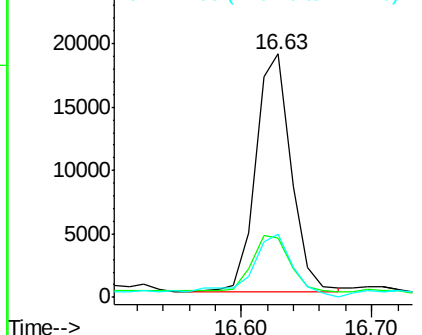
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	0.0	0.0#
277	32.1	0.0	0.0#

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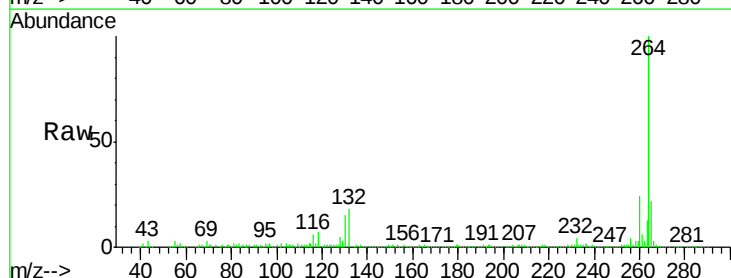


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

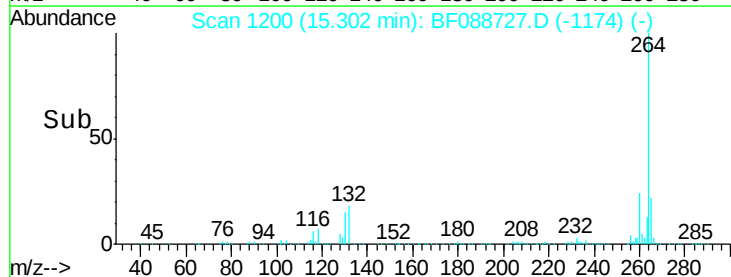
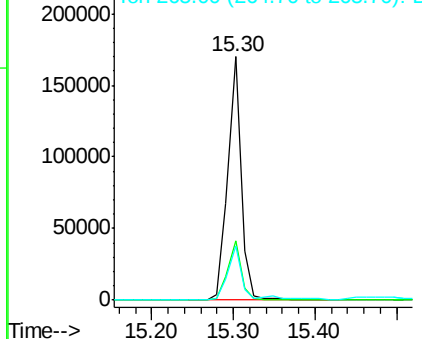


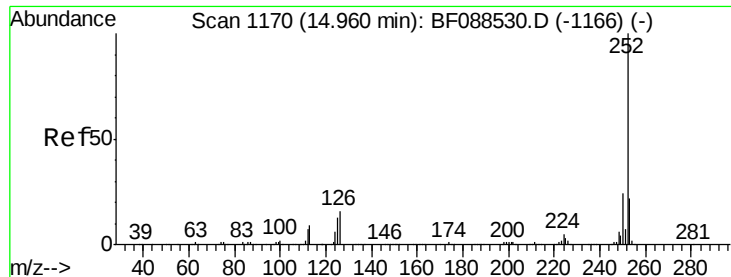
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF088727.D
Acq: 6 Jul 2016 3:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.2	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: 8.61 ng m

RT: 14.91 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BF088727.D

Acq: 6 Jul 2016 3:02

Instrument :

BNA_F

ClientSampleId :

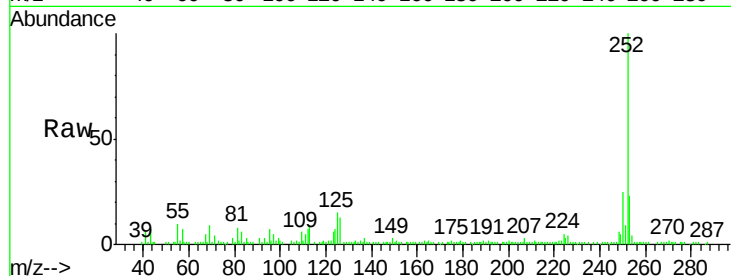
Q6-B6-0-5-C

Tot Ion:	252	Resp:	105923
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.2
125	14.8	7.1	10.7#

Manual Integrations

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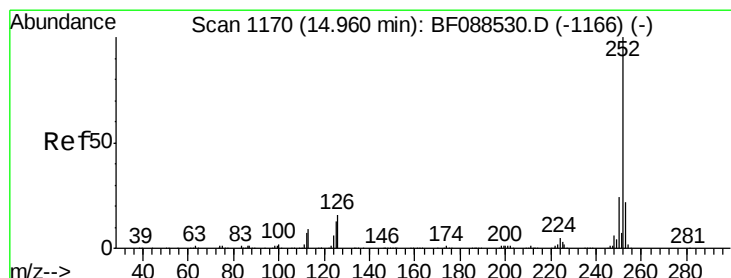
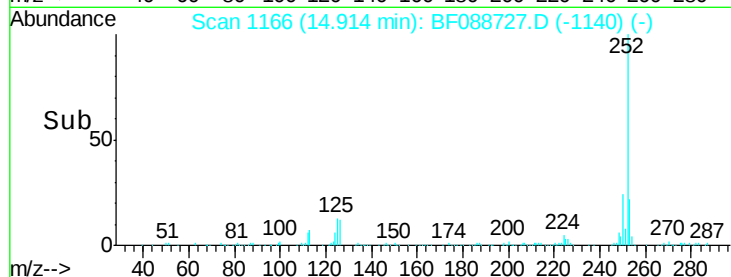
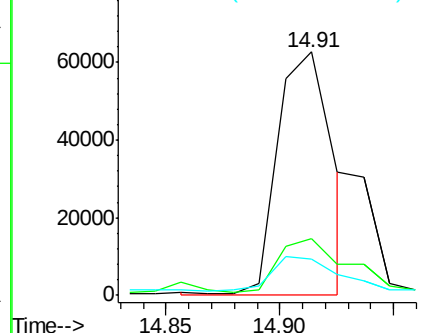
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.30 ng m

RT: 14.93 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BF088727.D

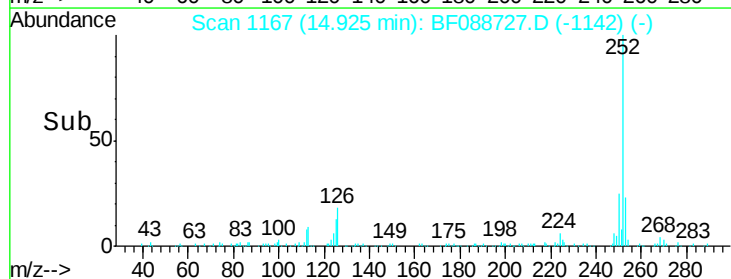
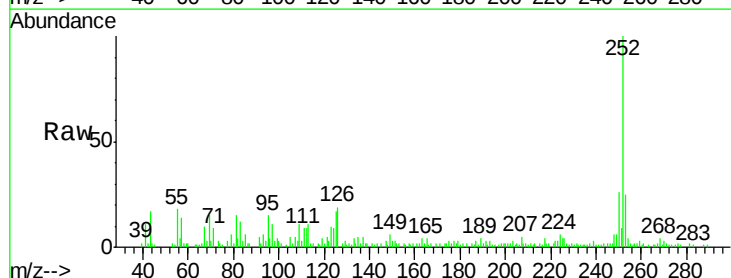
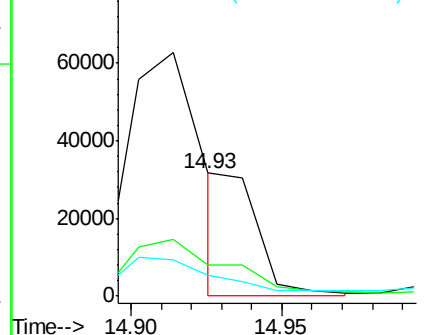
Acq: 6 Jul 2016 3:02

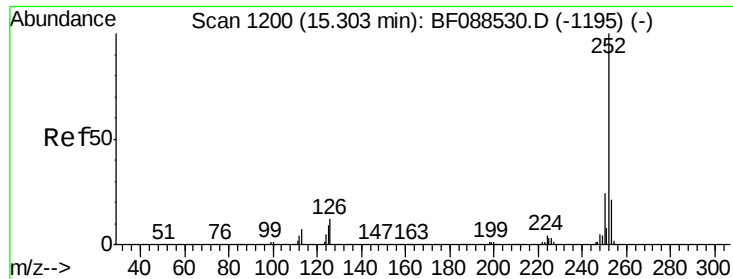
Tgt Ion:	252	Resp:	24583
Ion Ratio	Lower	Upper	
252	100		
253	24.9	18.0	27.0
125	17.4	11.2	16.8#

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





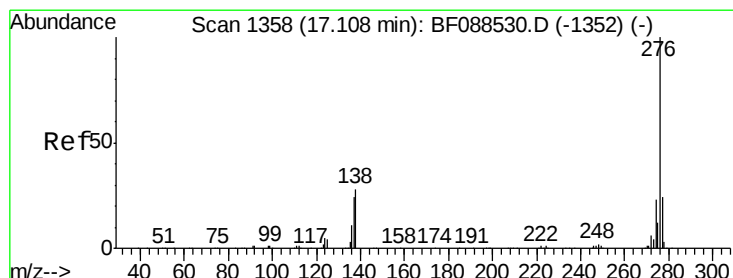
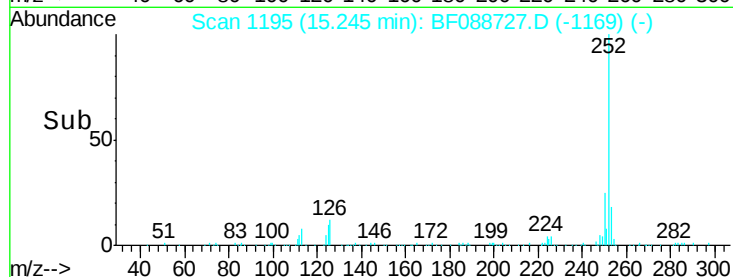
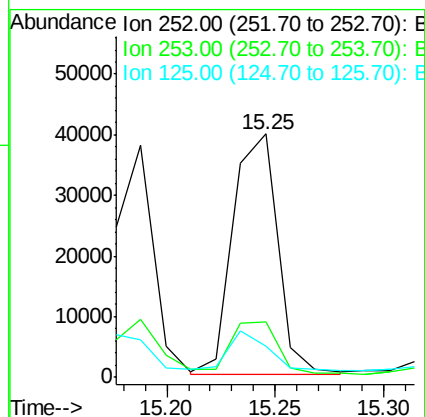
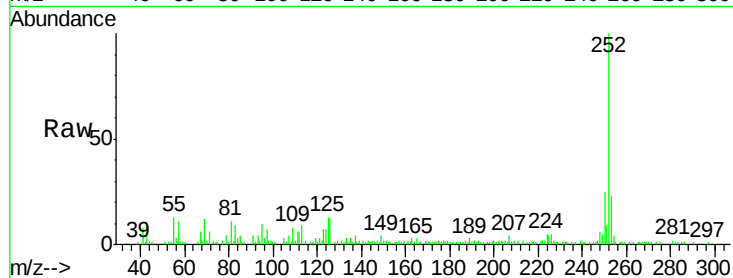
#89
Benzo(a)pyrene
Concen: 5.46 ng
RT: 15.25 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BF088727.D
Acq: 6 Jul 2016 3:02

Instrument :
BNA_F
ClientSampleId :
Q6-B6-0-5-C

Tot Ion:252	Resp:	56879
Ion Ratio	Lower	Upper
252	100	
253	22.9	17.9 26.9
125	12.9	12.5 18.7

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 4.07 ng
RT: 17.02 min Scan# 1350
Delta R.T. -0.02 min
Lab File: BF088727.D
Acq: 6 Jul 2016 3:02

Tgt Ion:276	Resp:	36588
Ion Ratio	Lower	Upper
276	100	
277	24.5	18.9 28.3
138	26.8	21.4 32.2

