

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070516\
 Data File : BF088728.D
 Acq On : 6 Jul 2016 3:32
 Operator : UM/SJ
 Sample : H3881-15
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B8-0-5-C

Manual Integrations

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Quant Time: Jul 06 12:59:00 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	101130	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	363767	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	159276	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	250921	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	195738	20.00	ng	-0.01
86) Perylene-d12	15.30	264	177571	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	574442	85.13	ng	0.00
7) Phenol-d6	6.41	99	693889	79.58	ng	0.00
23) Nitrobenzene-d5	7.34	82	436452	62.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	135095	91.34	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	769773	76.34	ng	0.00
78) Terphenyl-d14	12.87	244	485496	55.25	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.53	163	151628	13.36	ng	99
70) Phenanthrene	11.30	178	89349	6.51	ng	98
74) Fluoranthene	12.49	202	167018	12.01	ng	95
77) Pyrene	12.72	202	129186	7.78	ng	97
80) Benzo(a)anthracene	13.90	228	69041m	5.48	ng	
82) Chrysene	13.93	228	71311m	5.72	ng	
85) Indeno(1,2,3-cd)pyrene	16.62	276	30871	3.22	ng	# 100
87) Benzo(b)fluoranthene	14.91	252	98244m	8.82	ng	
88) Benzo(k)fluoranthene	14.93	252	20920m	2.16	ng	
89) Benzo(a)pyrene	15.23	252	51066	5.41	ng	96
91) Benzo(g,h,i)perylene	17.02	276	31017	3.81	ng	98

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

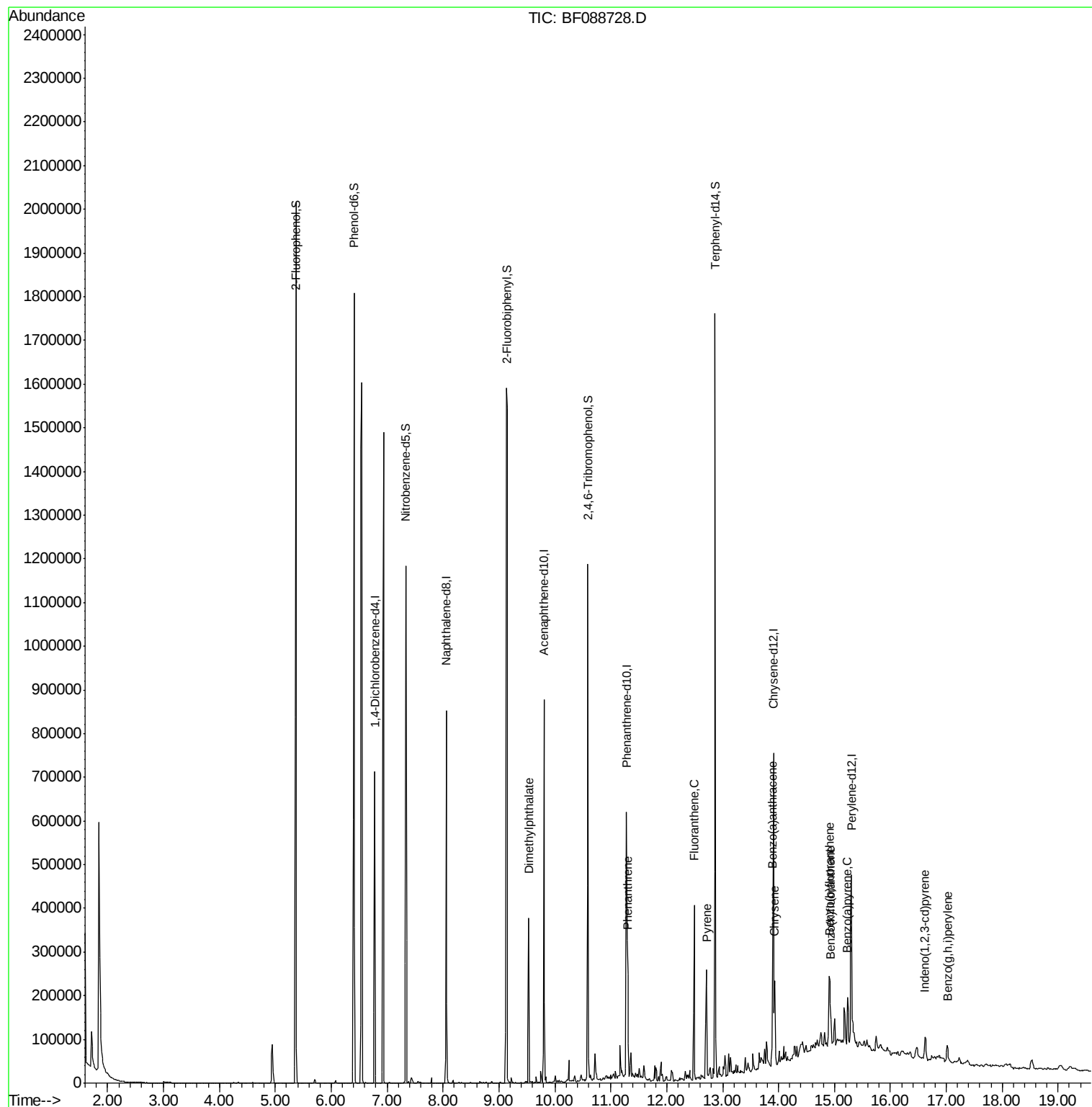
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070516\
Data File : BF088728.D
Acq On : 6 Jul 2016 3:32
Operator : UM/SJ
Sample : H3881-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q6-B8-0-5-C

Manual Integrations

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

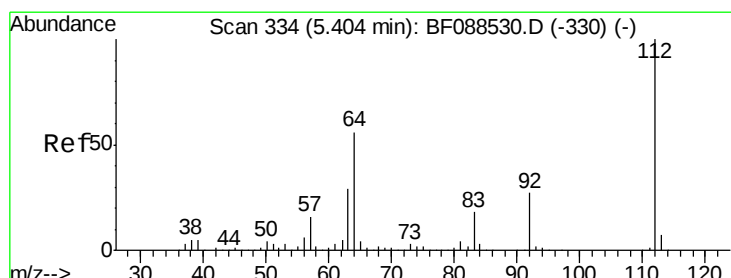
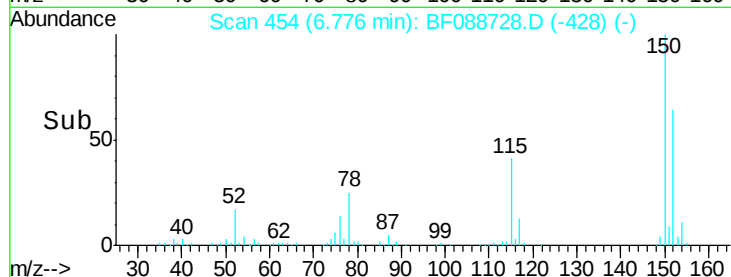
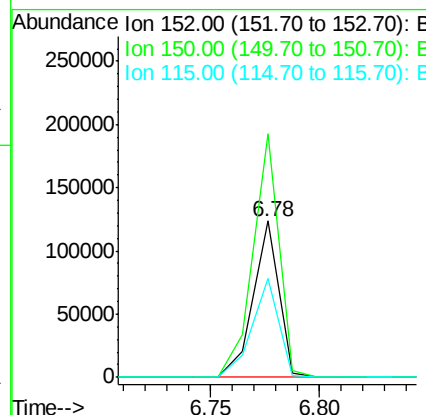
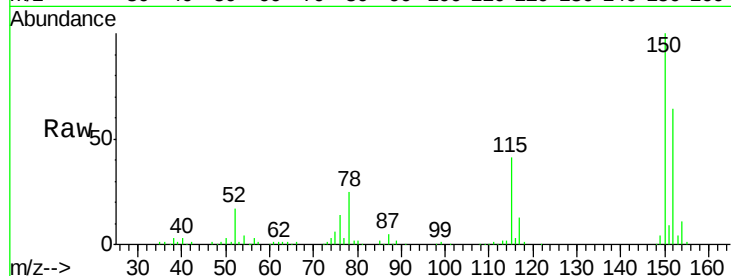
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 454
Delta R.T. 0.00 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Instrument :
BNA_F
ClientSampleId :
Q6-B8-0-5-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.8	185.6
115	63.5	39.6	59.4

Manual Integrations

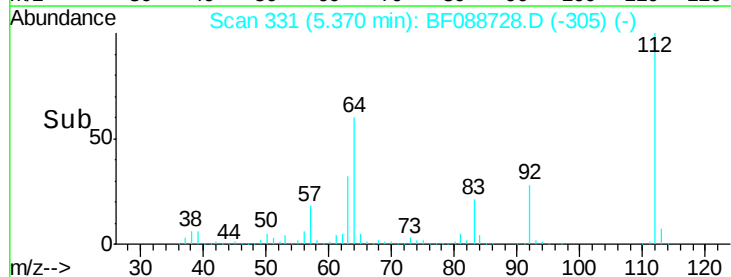
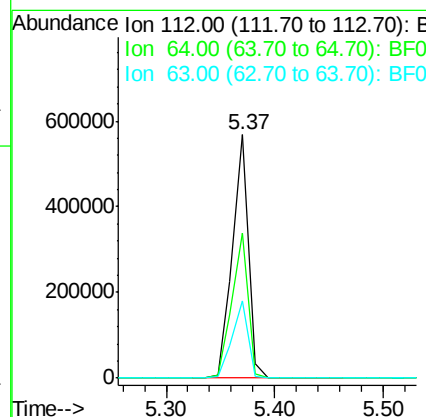
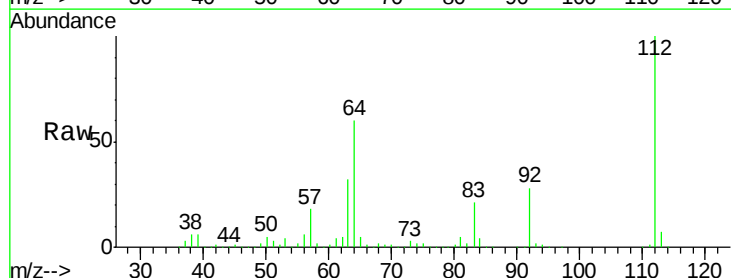
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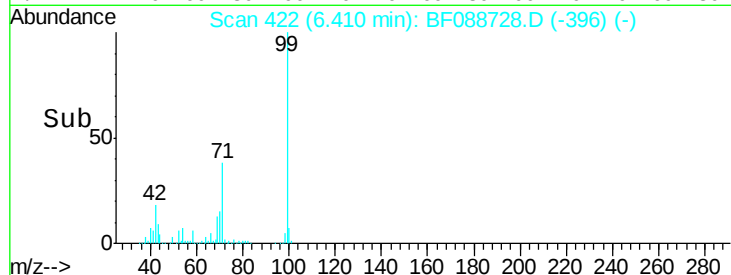
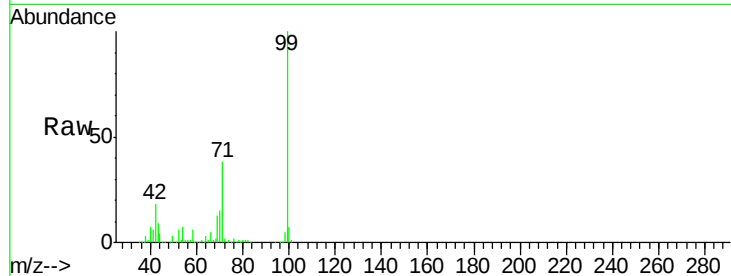
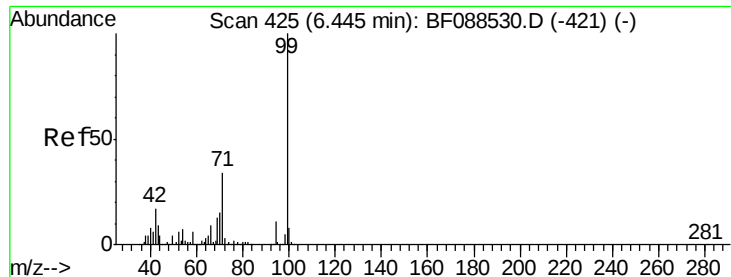


#5

2-Fluorophenol
Concen: 85.13 ng
RT: 5.37 min Scan# 331
Delta R.T. 0.00 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	42.2	63.2
63	31.7	21.8	32.8





#7

Phenol-d6

Concen: 79.58 ng

RT: 6.41 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

Tot Ion:	99	Resp:	693889
Ion	Ratio	Lower	Upper
99	100		
42	17.7	12.2	18.2
71	37.5	23.4	35.0

Instrument :

BNA_F

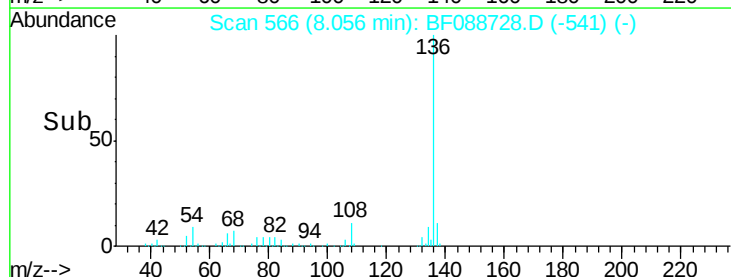
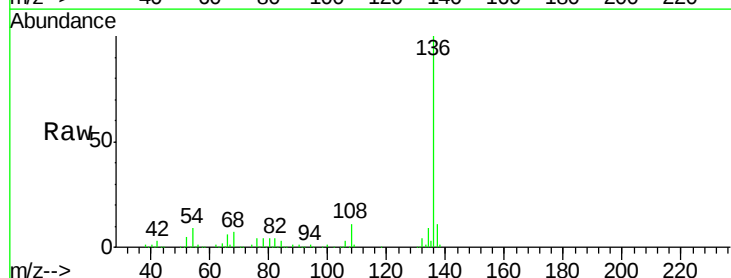
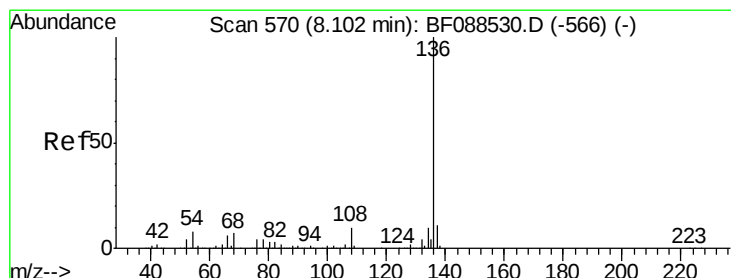
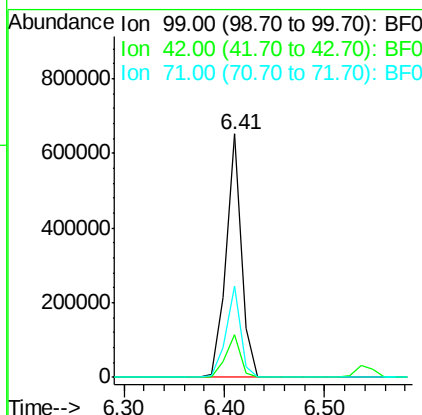
ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.00 ng

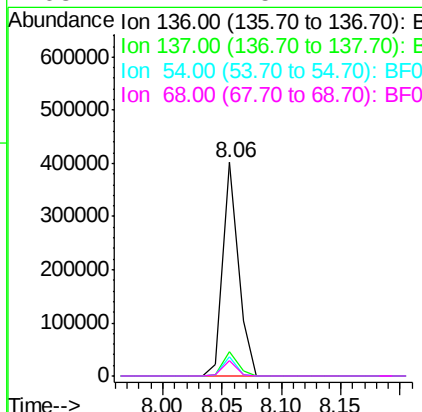
RT: 8.06 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

Tgt Ion:	136	Resp:	363767
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.9	6.6	10.0
68	7.2	5.1	7.7





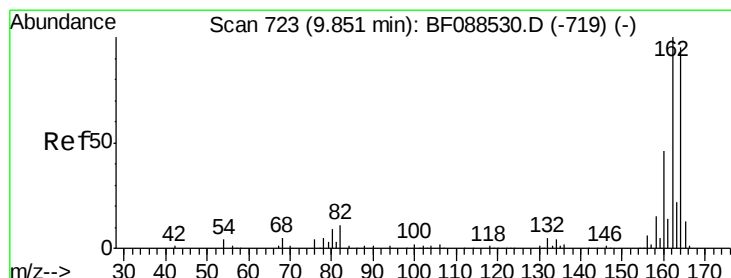
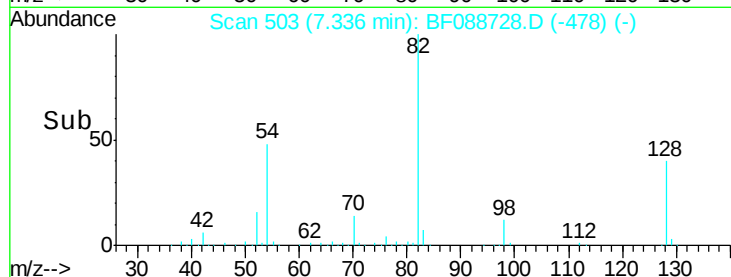
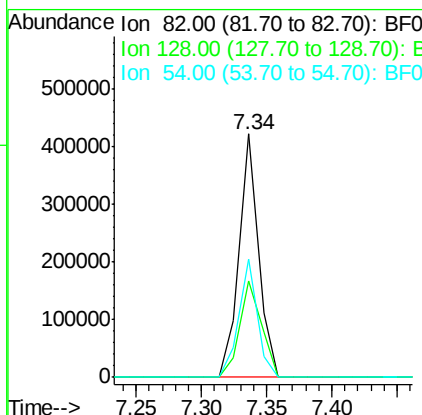
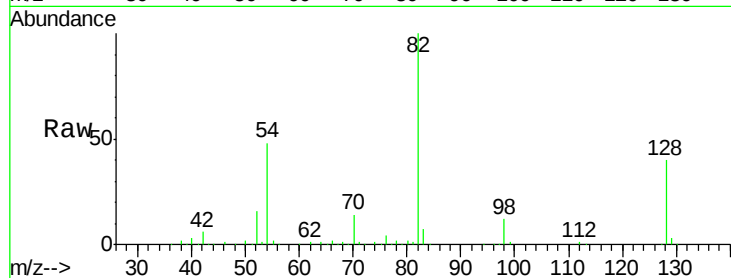
#23
 Nitrobenzene-d5
 Concen: 62.88 ng
 RT: 7.34 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: BF088728.D
 Acq: 6 Jul 2016 3:32

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B8-0-5-C

Tot Ion	82	Resp	436452
Ion Ratio	100	Lower	Upper
82	100		
128	39.5	35.9	53.9
54	48.4	40.9	61.3

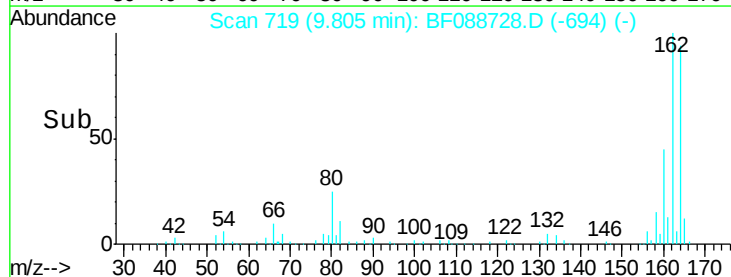
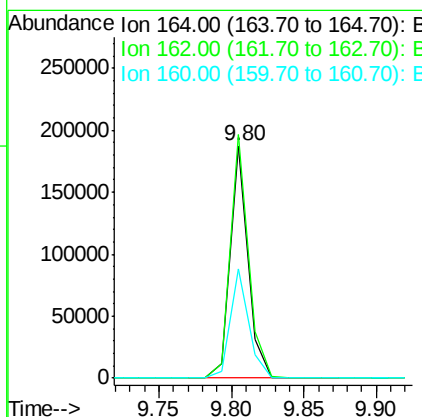
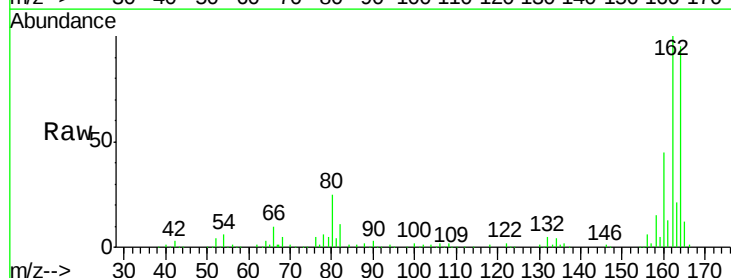
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 719
 Delta R.T. -0.01 min
 Lab File: BF088728.D
 Acq: 6 Jul 2016 3:32

Tgt Ion	164	Resp	159276
Ion Ratio	100	Lower	Upper
164	100		
162	104.7	85.4	128.2
160	46.8	39.5	59.3





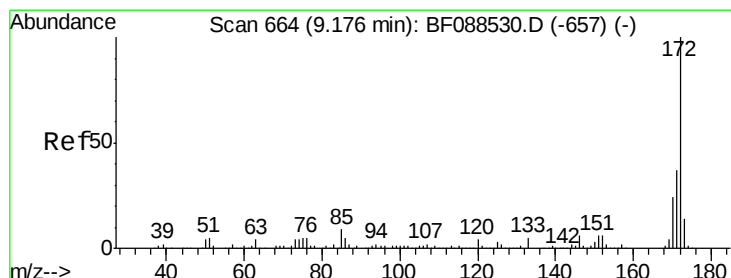
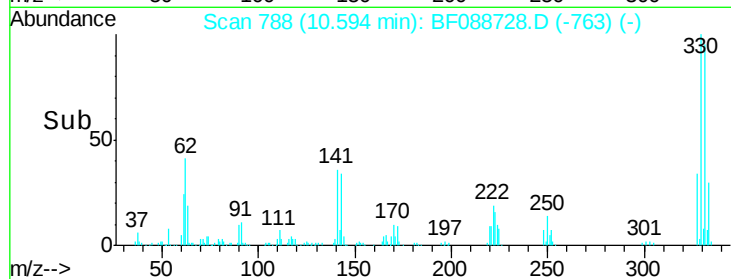
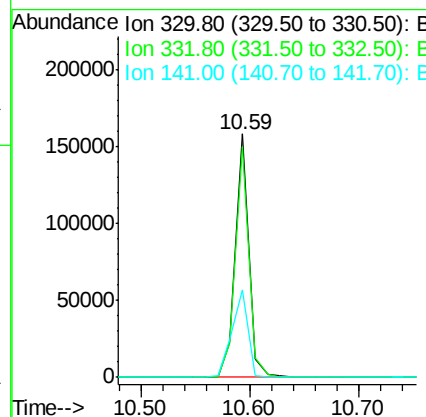
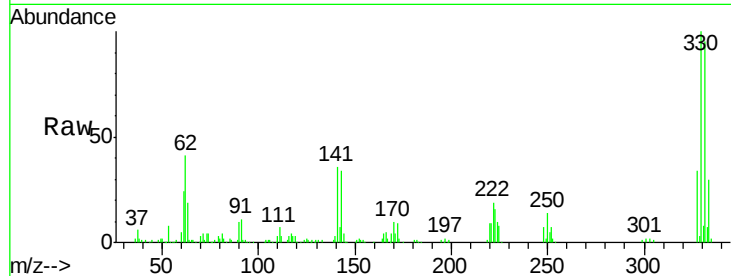
#41
 2,4,6-Tribromophenol
 Concen: 91.34 ng
 RT: 10.59 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF088728.D
 Acq: 6 Jul 2016 3:32

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B8-0-5-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	135095		
332	95.4	0.0	0.0	0.0
141	42.8	0.0	0.0	0.0

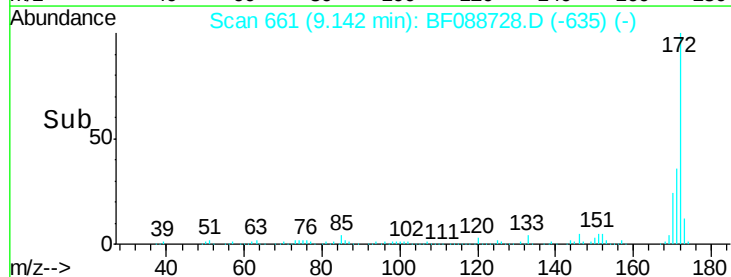
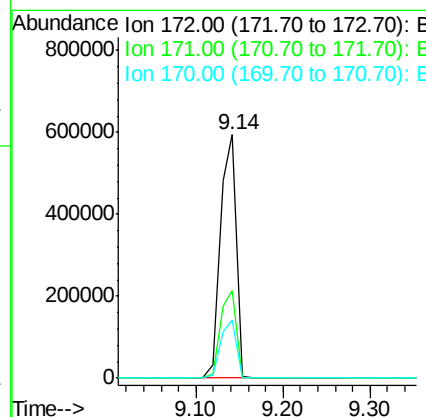
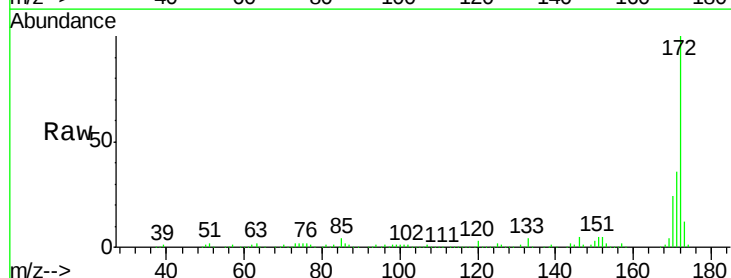
Manual Integrations

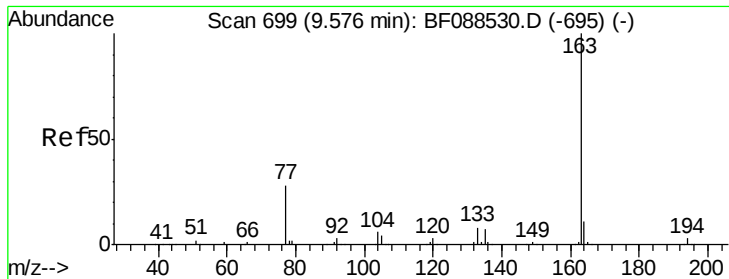
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#44
 2-Fluorobiphenyl
 Concen: 76.34 ng
 RT: 9.14 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF088728.D
 Acq: 6 Jul 2016 3:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	769773		
171	35.9	28.6	43.0	
170	23.9	19.2	28.8	





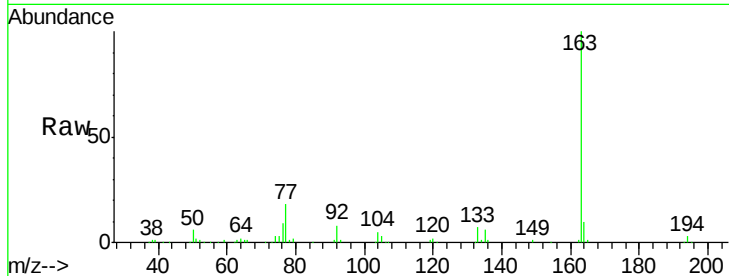
#49
Dimethylphthalate
Concen: 13.36 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Instrument :
BNA_F
ClientSampleId :
Q6-B8-0-5-C

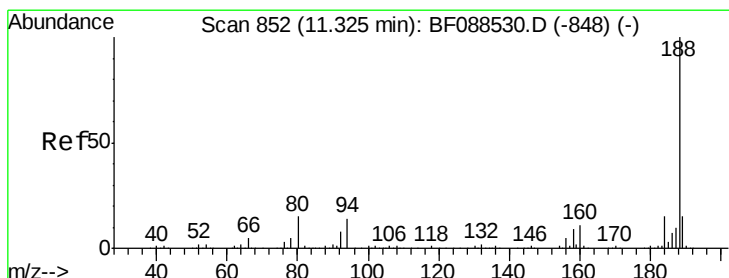
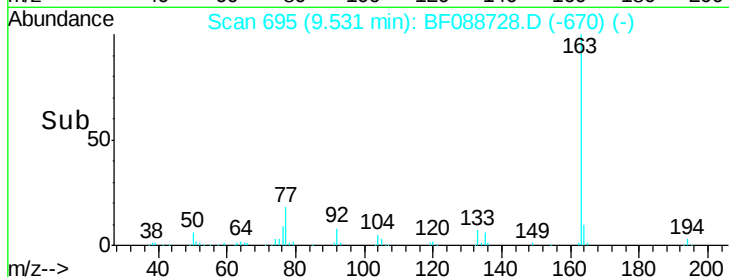
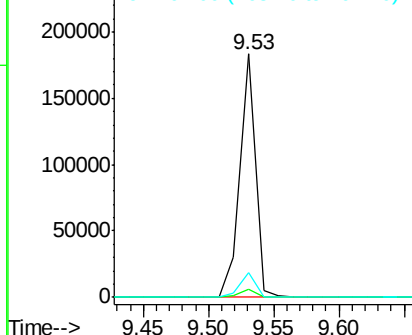
Tot Ion	Ratio	Resp	Lower	Upper
163	100	151628		
194	3.4	2.8	4.2	
164	9.9	8.3	12.5	

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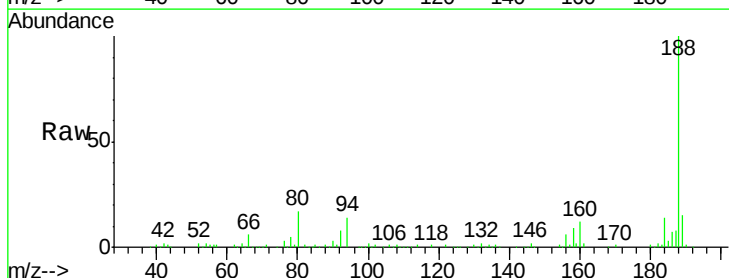


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

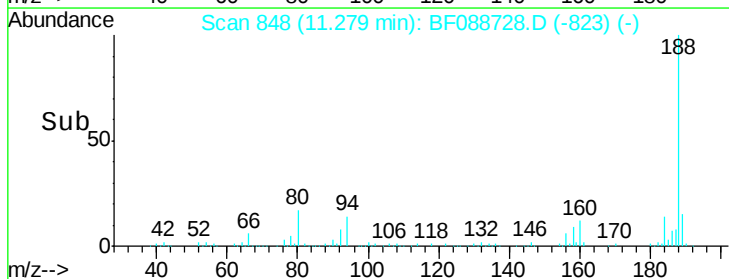
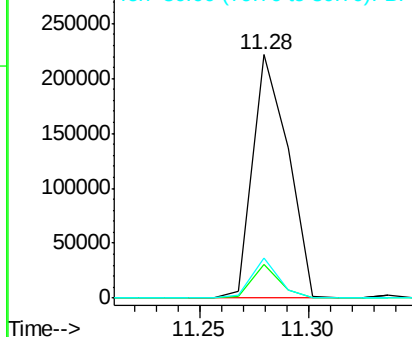


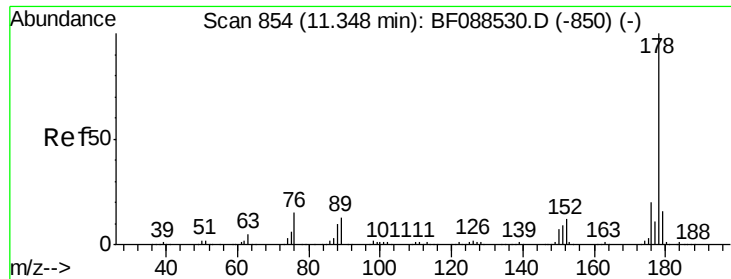
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	250921		
94	13.6	9.0	13.6#	
80	16.6	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





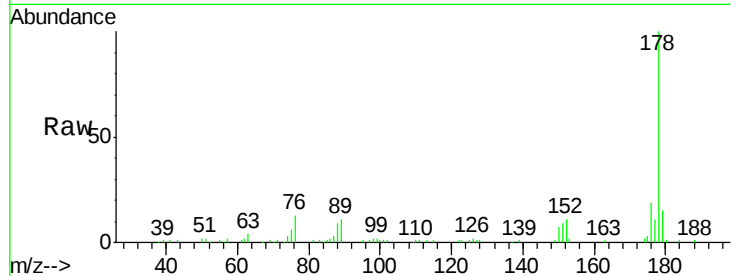
#70
Phenanthrene
Concen: 6.51 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Instrument :
BNA_F
ClientSampleId :
Q6-B8-0-5-C

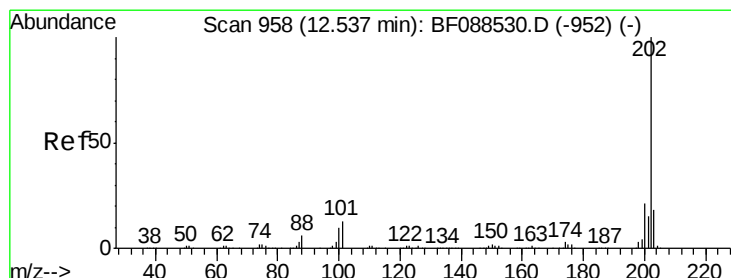
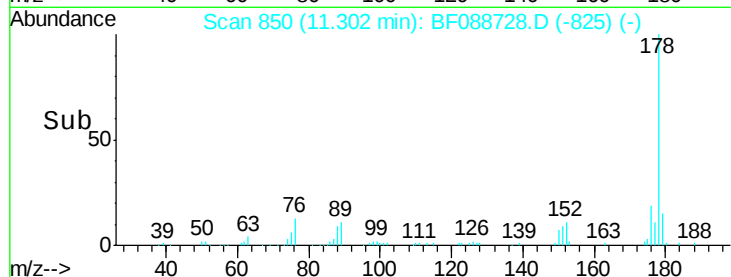
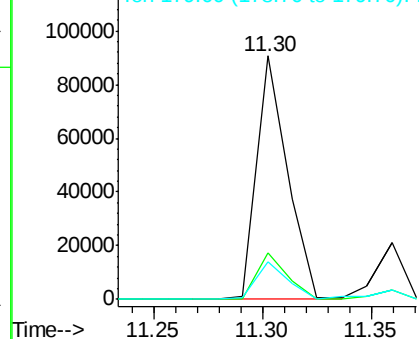
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.6
179	15.2	13.0	19.4

Manual Integrations

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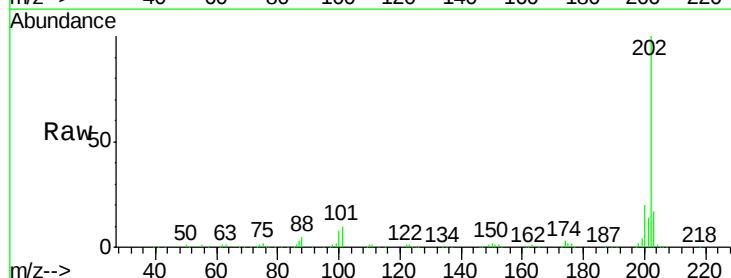


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

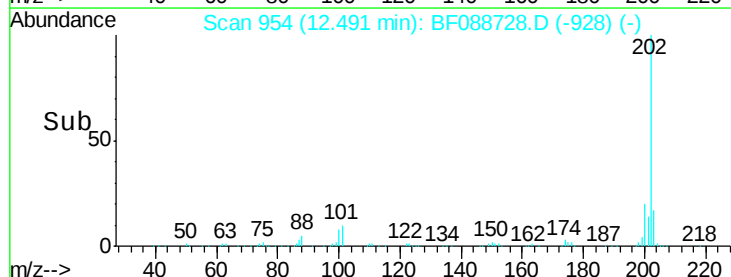
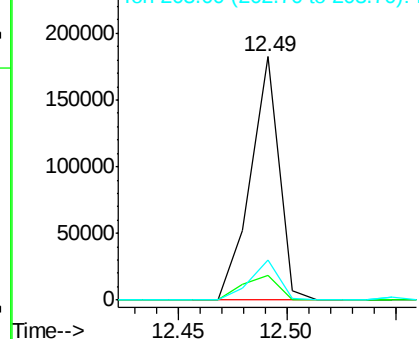


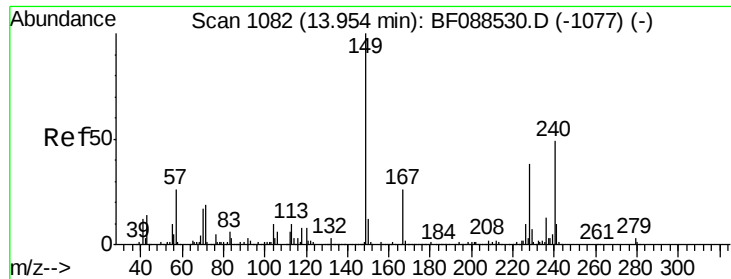
#74
Fluoranthene
Concen: 12.01 ng
RT: 12.49 min Scan# 954
Delta R.T. 0.00 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	33.1
203	16.7	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: BF088728.D

Acq: 6 Jul 2016 3:32

Instrument :

BNA_F

ClientSampleId :

Q6-B8-0-5-C

Tot Ion:240 Resp: 195738

Ion Ratio Lower Upper

240 100

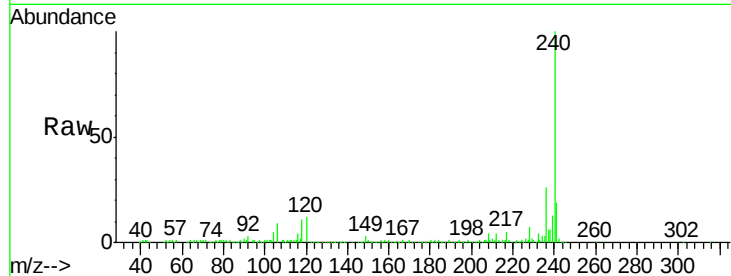
120 12.0 6.8 10.2#

236 25.8 20.2 30.2

Manual Integrations

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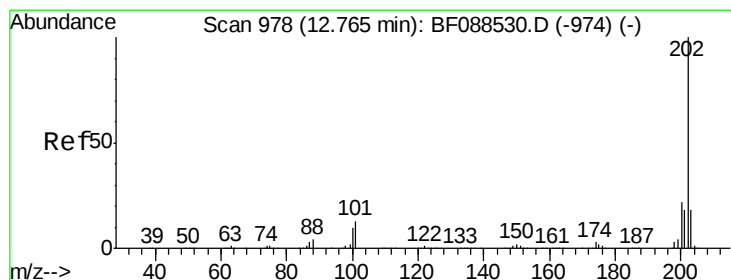
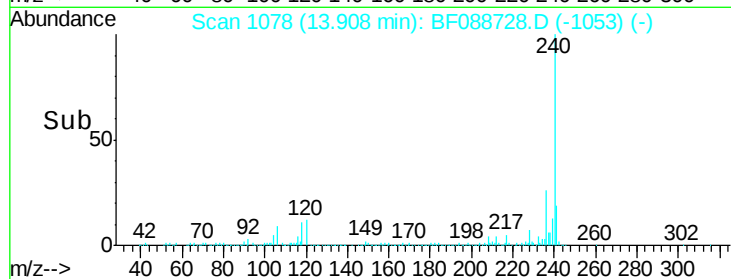
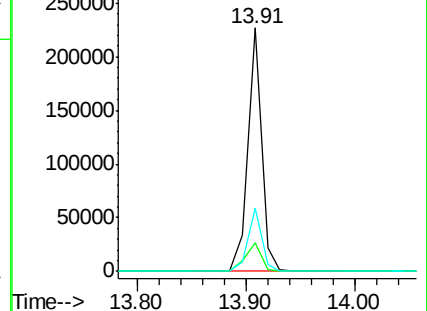
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.78 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF088728.D

Acq: 6 Jul 2016 3:32

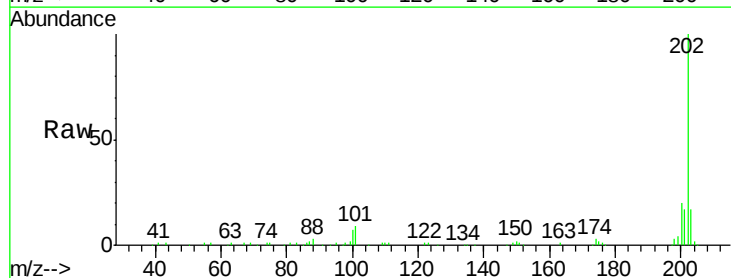
Tgt Ion:202 Resp: 129186

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

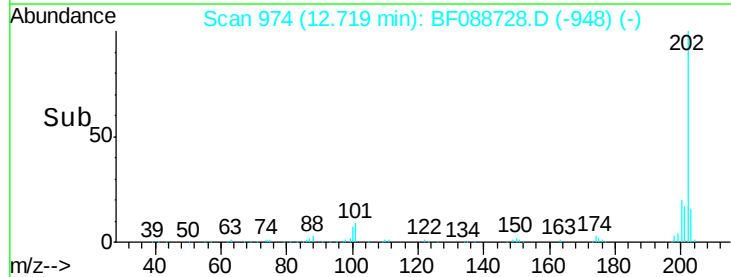
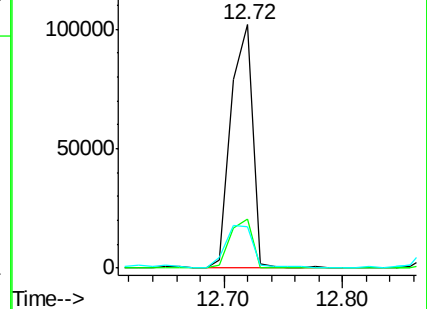
203 17.0 14.5 21.7

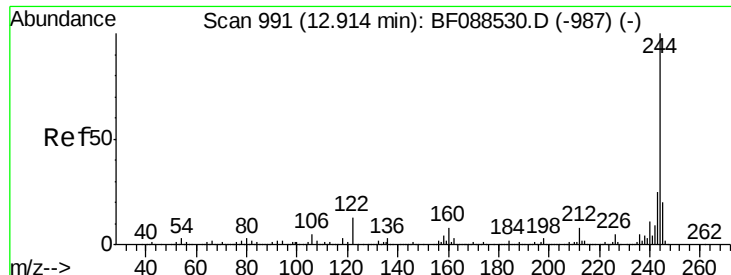


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





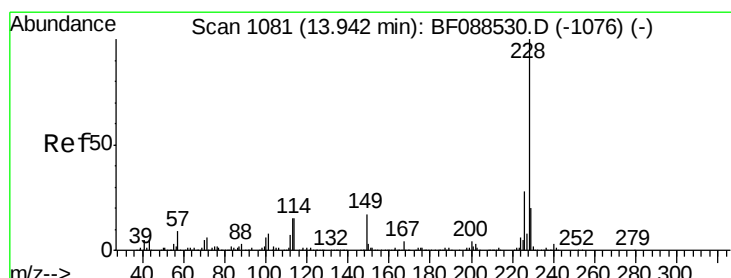
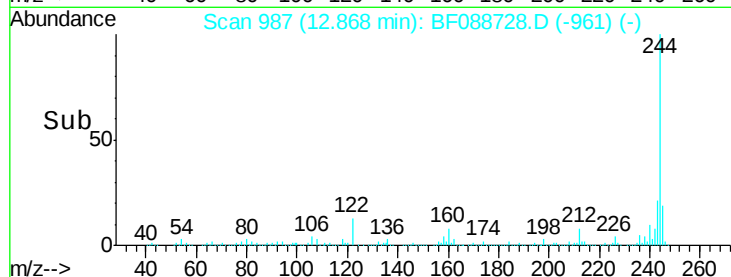
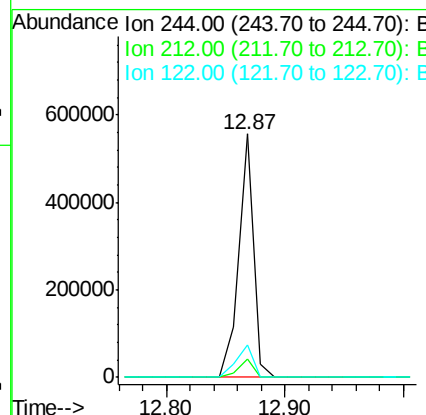
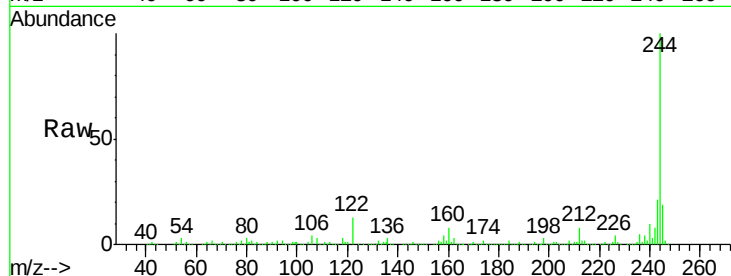
#78
 Terphenyl-d14
 Concen: 55.25 ng
 RT: 12.87 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: BF088728.D
 Acq: 6 Jul 2016 3:32

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B8-0-5-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	13.1	11.2	16.8

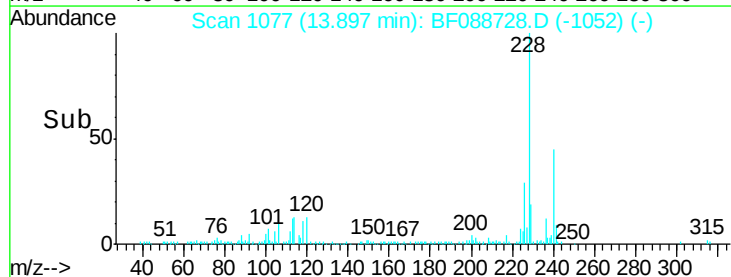
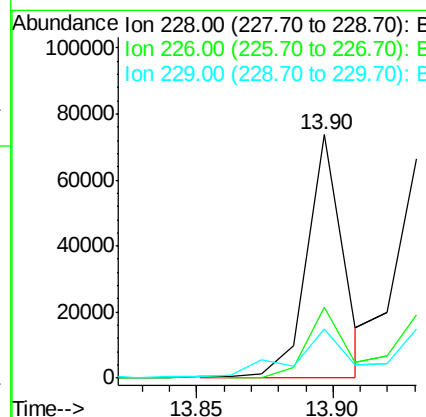
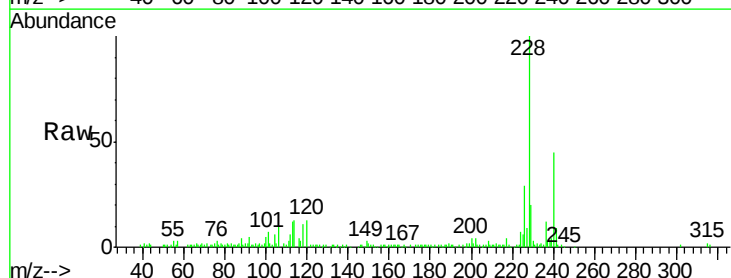
Manual Integrations

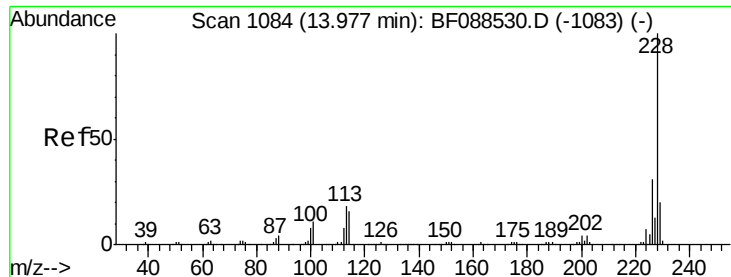
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#80
 Benzo(a)anthracene
 Concen: 5.48 ng m
 RT: 13.90 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: BF088728.D
 Acq: 6 Jul 2016 3:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.3	33.5
229	19.9	16.0	24.0





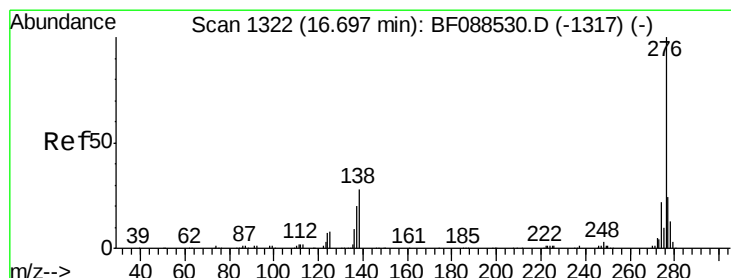
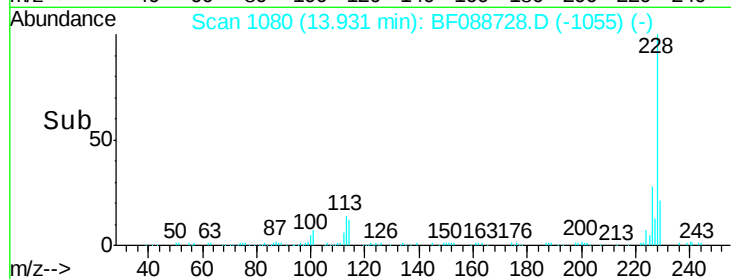
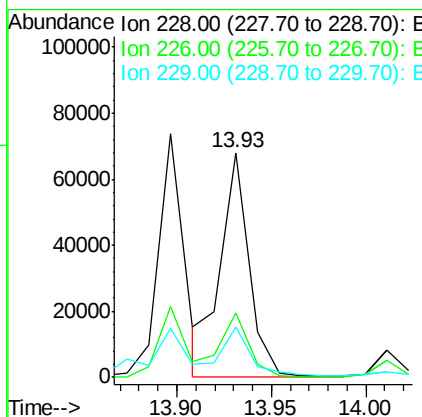
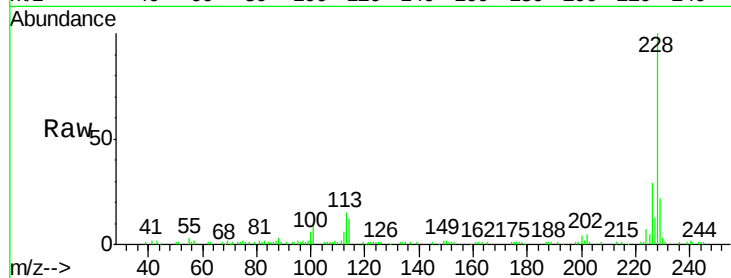
#82
Chrysene
Concen: 5.72 ng/ml
RT: 13.93 min Scan# 1080
Delta R.T. -0.01 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Instrument :
BNA_F
ClientSampleId :
Q6-B8-0-5-C

Tot Ion:	228	Resp:	71311
Ion Ratio	Lower	Upper	
228	100		
226	28.8	25.4	38.2
229	22.1	16.3	24.5

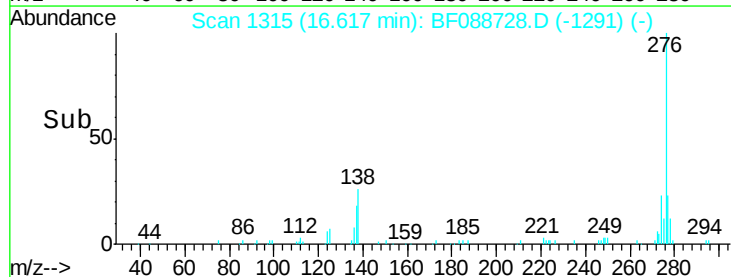
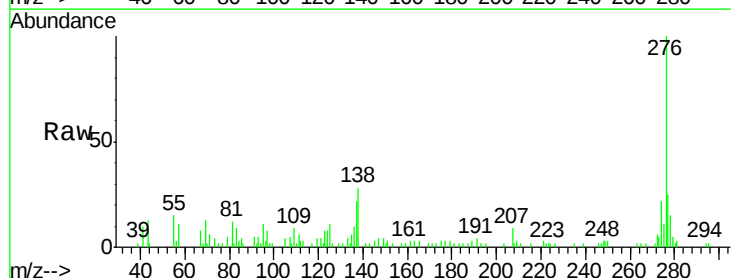
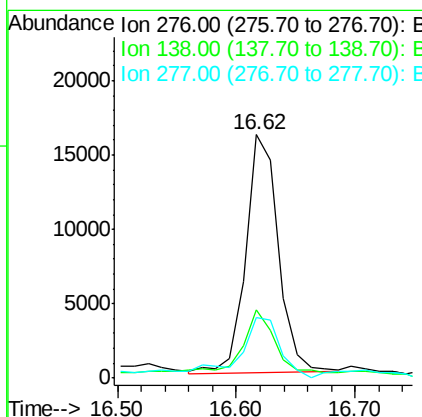
Manual Integrations

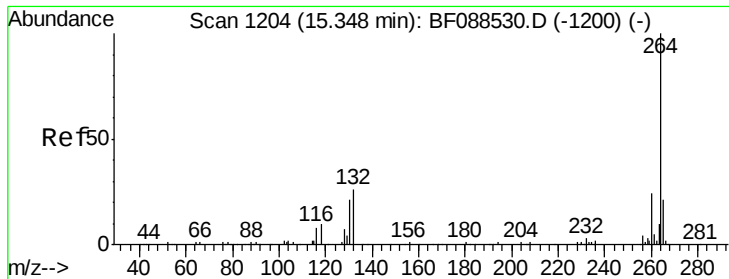
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.22 ng
RT: 16.62 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Tgt Ion:	276	Resp:	30871
Ion Ratio	Lower	Upper	
276	100		
138	27.6	0.0	0.0#
277	32.4	0.0	0.0#





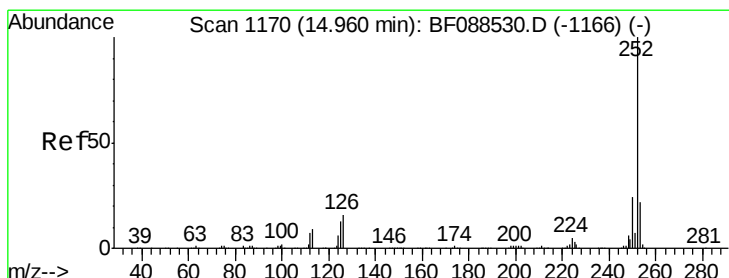
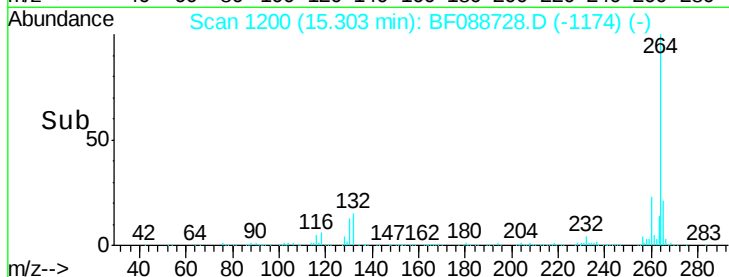
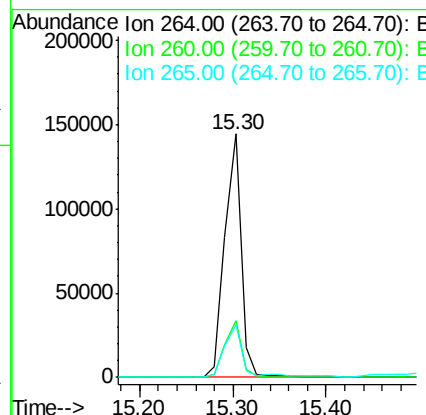
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Instrument :
BNA_F
ClientSampleId :
Q6-B8-0-5-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.7	16.9	25.3

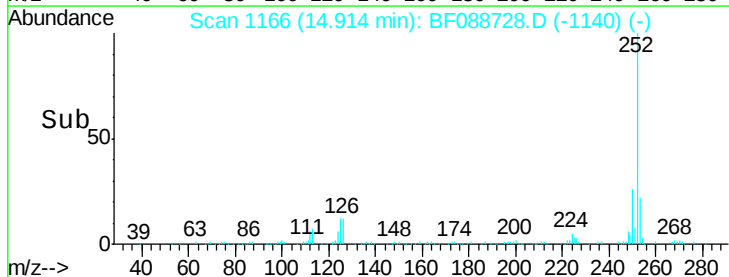
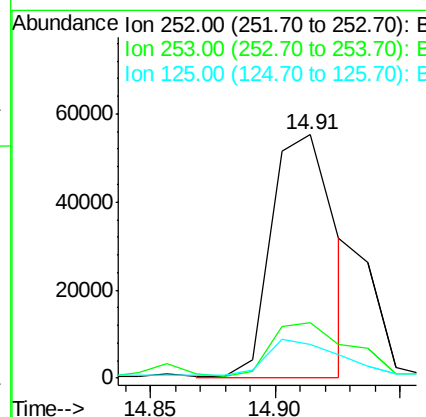
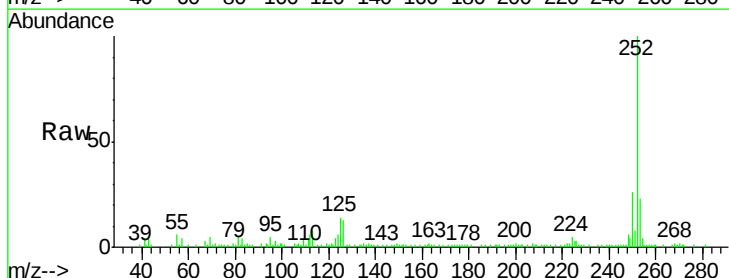
Manual Integrations

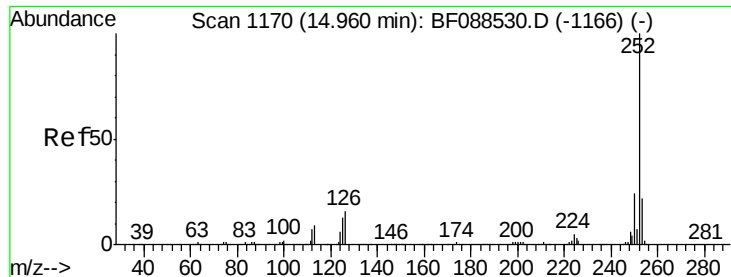
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#87
Benzo(b)fluoranthene
Concen: 8.82 ng m
RT: 14.91 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	13.6	7.1	10.7#





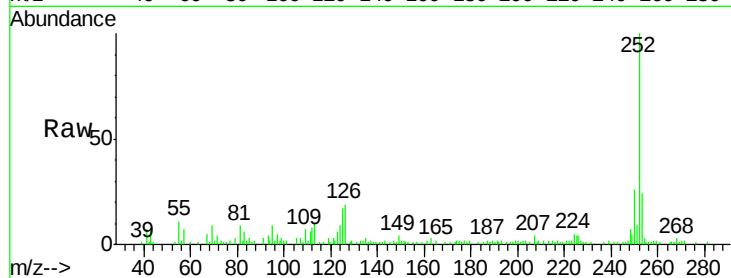
#88
Benzo(k)fluoranthene
Concen: 2.16 ng/mL
RT: 14.93 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Instrument :
BNA_F
ClientSampleId :
Q6-B8-0-5-C

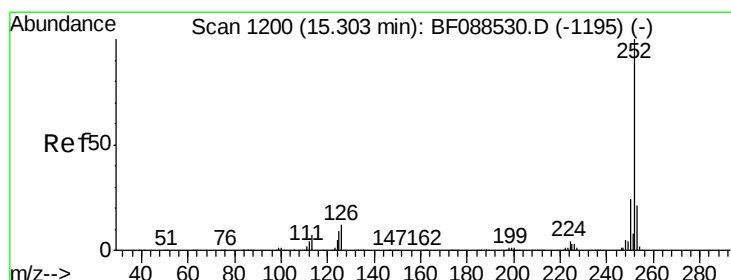
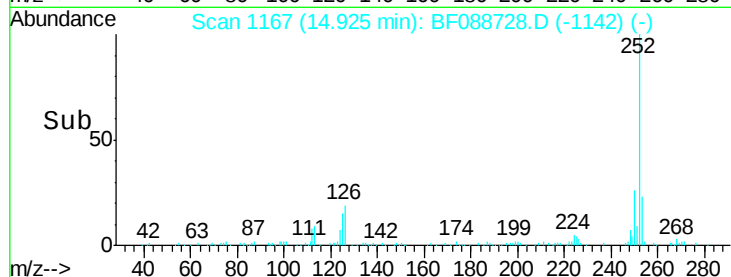
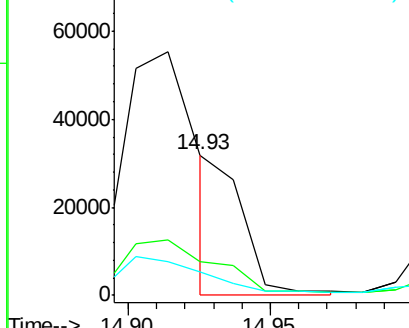
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	16.5	11.2	16.8

Manual Integrations

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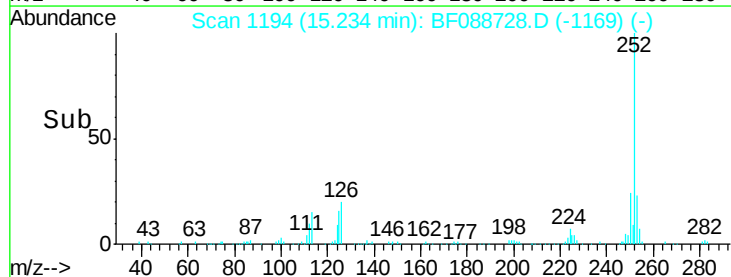
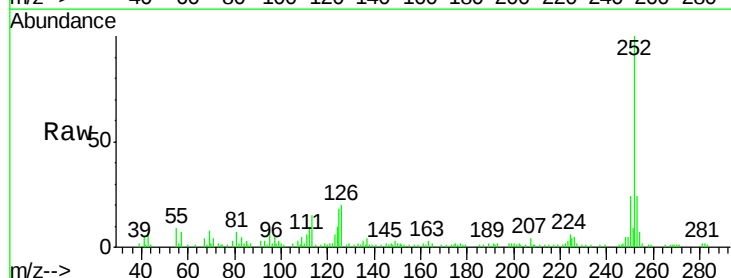
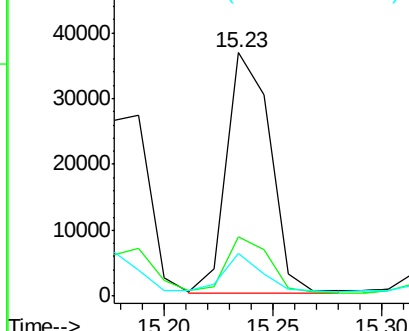
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

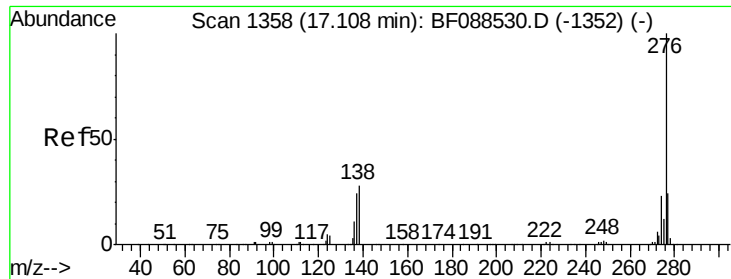


#89
Benzo(a)pyrene
Concen: 5.41 ng/mL
RT: 15.23 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF088728.D
Acq: 6 Jul 2016 3:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	17.5	12.5	18.7

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





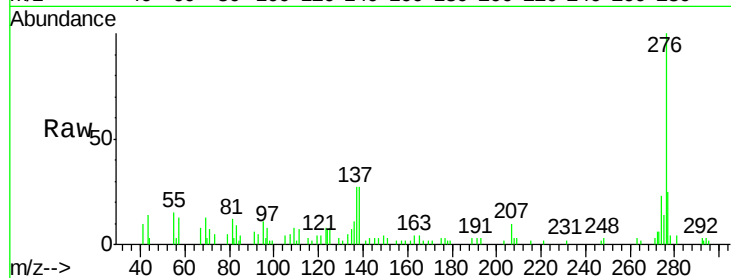
#91
 Benzo(a,h,i)perylene
 Concen: 3.81 ng
 RT: 17.02 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: BF088728.D
 Acq: 6 Jul 2016 3:32

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B8-0-5-C

Tot Ion:	276	Resp:	31017
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.9	28.3
138	26.9	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

