

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\
 Data File : BF088905.D
 Acq On : 11 Jul 2016 17:58
 Operator : UM/SJ
 Sample : H3915-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P7-B2-0-5-C

Manual Integrations

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Quant Time: Jul 12 02:15:15 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	63154	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	268294	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	109096	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	186326	20.00	ng	0.00
75) Chrysene-d12	13.85	240	140621	20.00	ng	0.00
86) Perylene-d12	15.22	264	131157	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	371875	88.25	ng	0.01
7) Phenol-d6	6.35	99	478837	87.94	ng	0.00
23) Nitrobenzene-d5	7.28	82	358123	69.95	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	99869	98.58	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	525743	76.12	ng	0.00
78) Terphenyl-d14	12.81	244	428709	67.90	ng	0.01
Target Compounds						
49) Dimethylphthalate	9.47	163	82926	10.67	ng	98
70) Phenanthrene	11.24	178	87736	8.61	ng	97
74) Fluoranthene	12.42	202	223019	21.60	ng	97
77) Pyrene	12.65	202	305076	25.59	ng	99
80) Benzo(a)anthracene	13.84	228	204760	22.61	ng	100
82) Chrysene	13.87	228	199327	22.25	ng	99
85) Indeno(1,2,3-cd)pyrene	16.50	276	59849	8.68	ng	# 100
87) Benzo(b)fluoranthene	14.85	252	182454m	22.18	ng	
88) Benzo(k)fluoranthene	14.86	252	32500m	4.54	ng	
89) Benzo(a)pyrene	15.17	252	119279m	17.12	ng	
90) Dibenzo(a,h)anthracene	16.51	278	18757	3.22	ng	98
91) Benzo(a,h,i)perylene	16.88	276	61278	10.18	ng	97

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

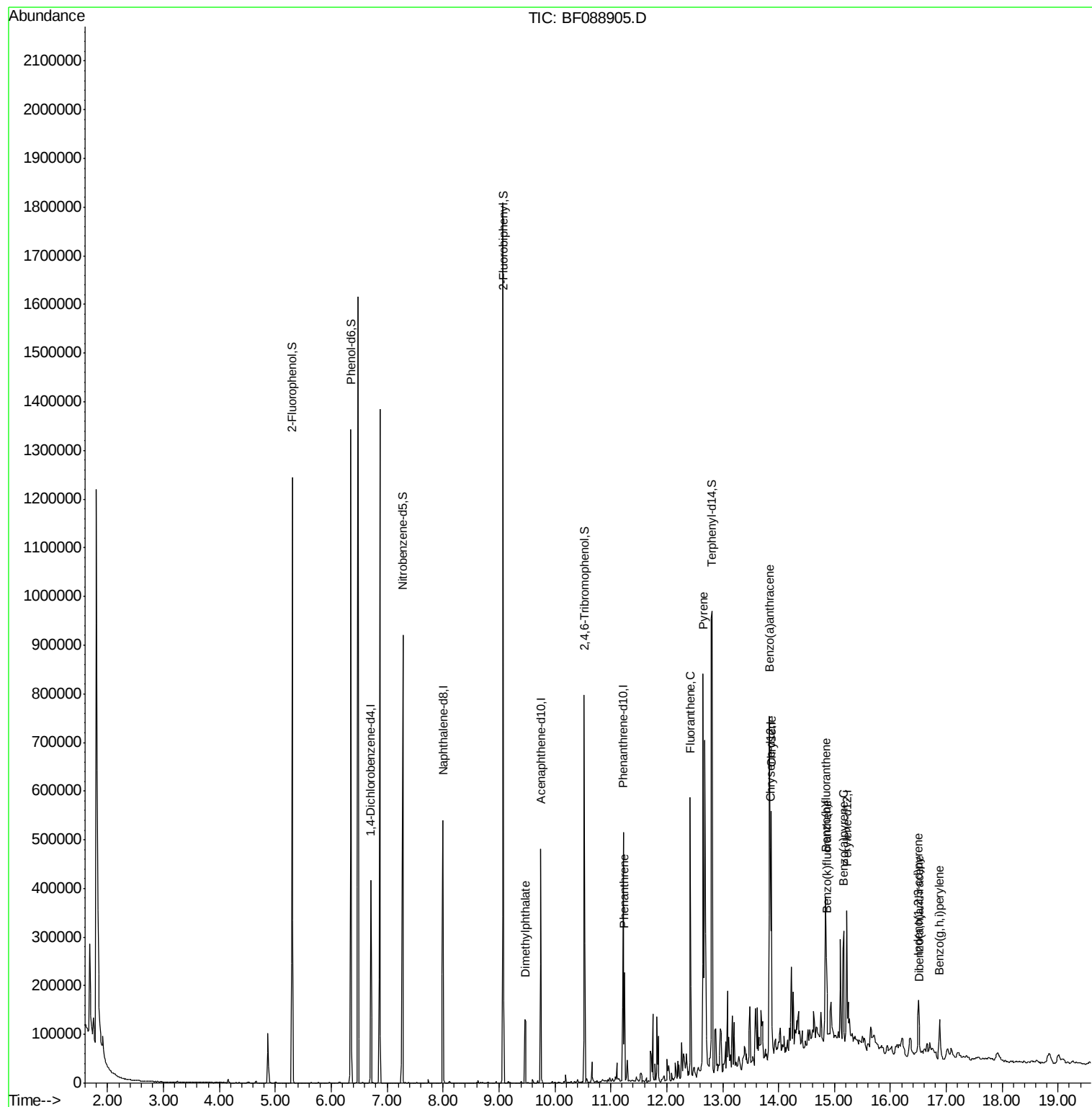
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\
Data File : BF088905.D
Acq On : 11 Jul 2016 17:58
Operator : UM/SJ
Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P7-B2-0-5-C

Manual Integrations

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

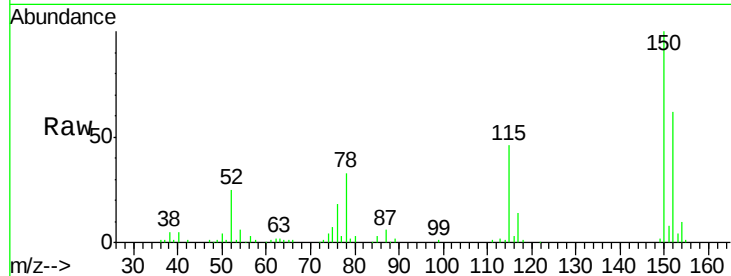
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Instrument :
BNA_F
ClientSampled :
P7-B2-0-5-C

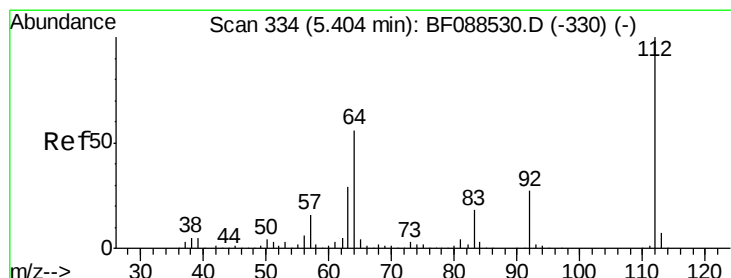
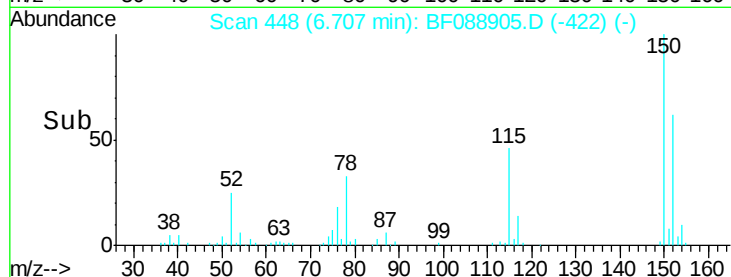
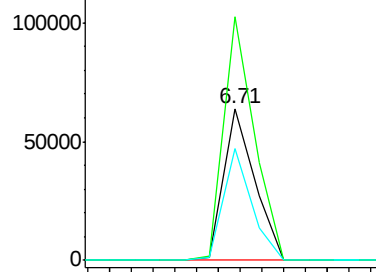
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	123.8	185.6
115	73.8	39.6	59.4

Manual Integrations

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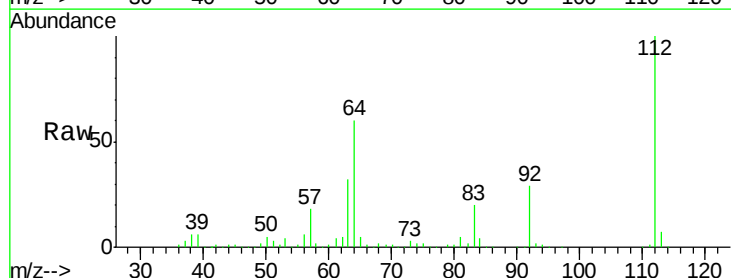
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



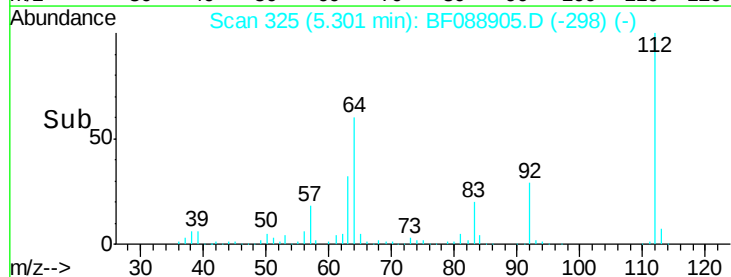
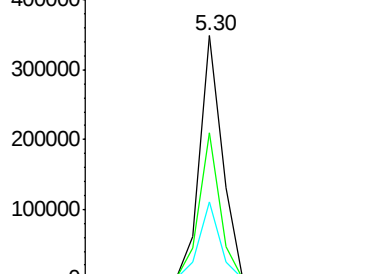
#5

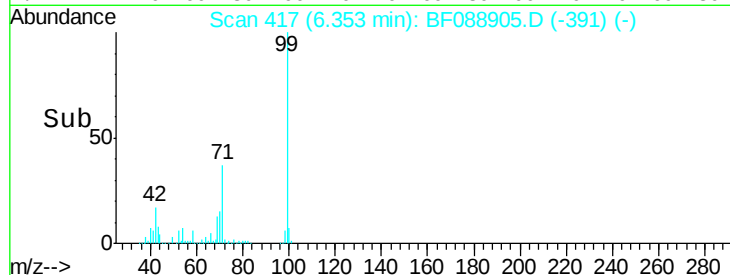
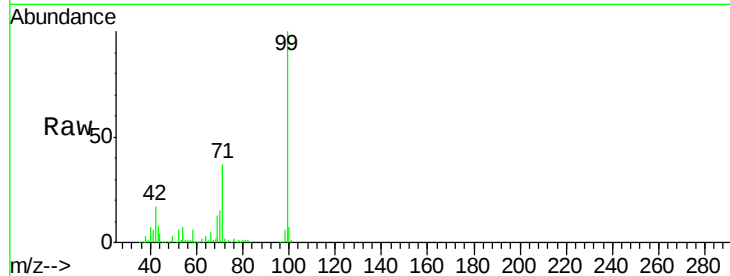
2-Fluorophenol
Concen: 88.25 ng
RT: 5.30 min Scan# 325
Delta R.T. 0.01 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	42.2	63.2
63	31.9	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: 87.94 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Tot Ion:	99	Resp:	478837
Ion	Ratio	Lower	Upper
99	100		
42	17.1	12.2	18.2
71	37.3	23.4	35.0#

Instrument :

BNA_F

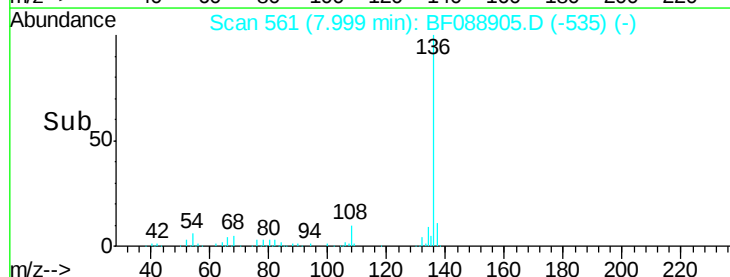
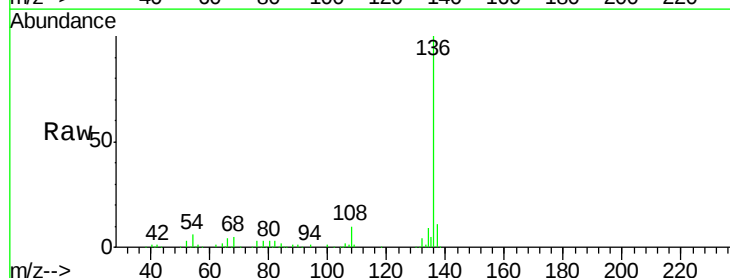
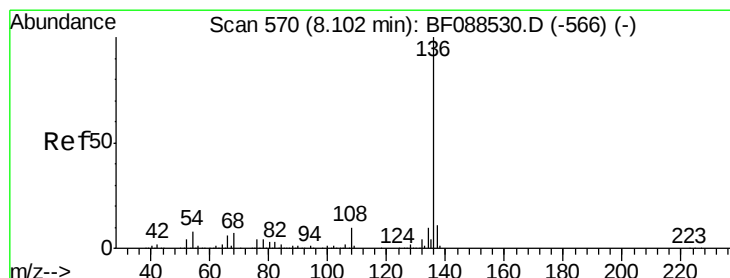
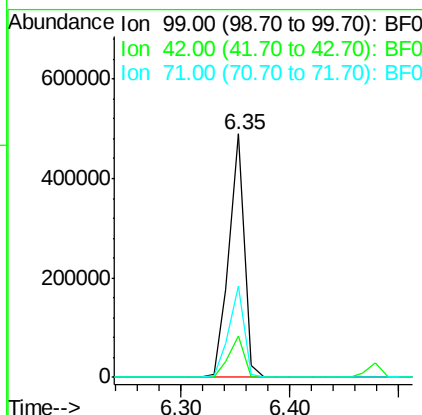
ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.00 ng

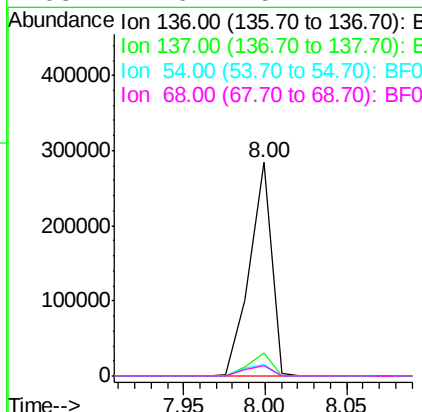
RT: 8.00 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Tgt Ion:	136	Resp:	268294
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	5.7	6.6	10.0#
68	4.6	5.1	7.7#





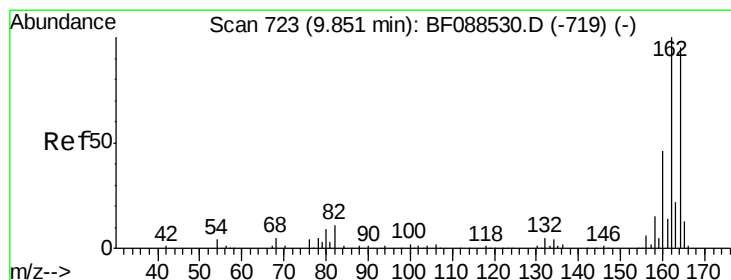
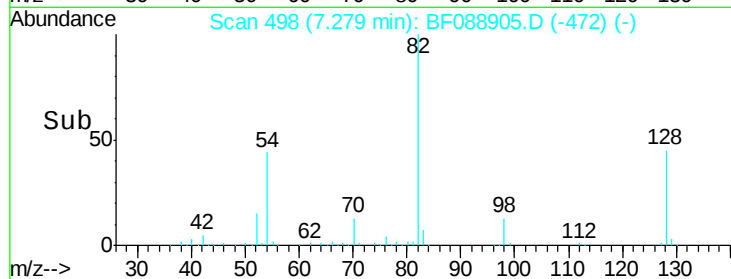
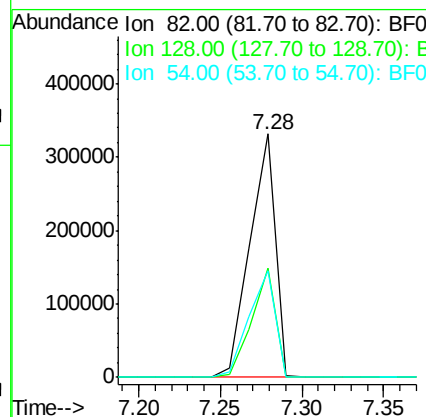
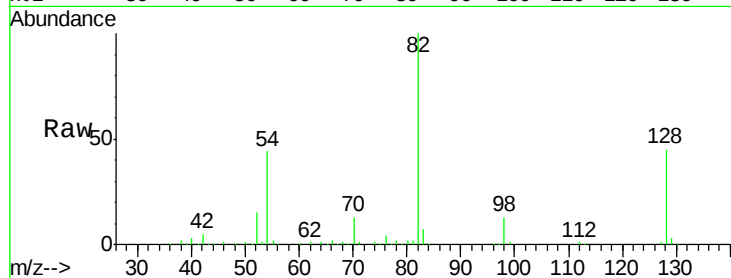
#23
Nitrobenzene-d5
Concen: 69.95 ng
RT: 7.28 min Scan# 498
Delta R.T. 0.00 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Instrument :
BNA_F
ClientSampleId :
P7-B2-0-5-C

Tot Ion:	82	Resp:	358123
Ion Ratio	Lower	Upper	
82	100		
128	44.9	35.9	53.9
54	43.8	40.9	61.3

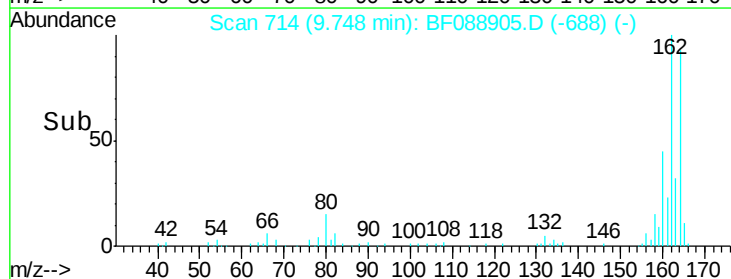
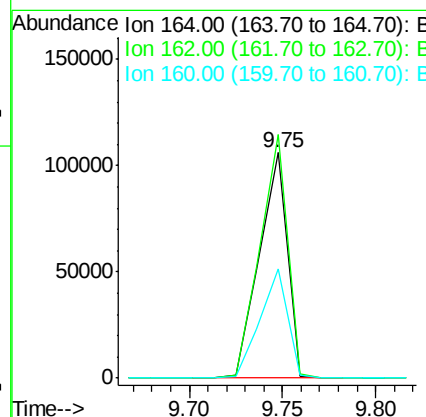
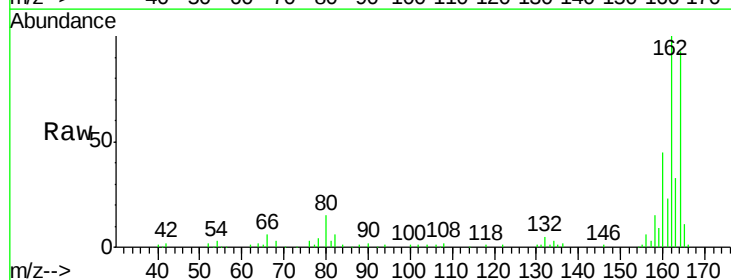
Manual Integrations

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7/12/2016 7:36:40 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 714
Delta R.T. 0.00 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Tgt Ion:	164	Resp:	109096
Ion Ratio	Lower	Upper	
164	100		
162	108.0	85.4	128.2
160	48.6	39.5	59.3





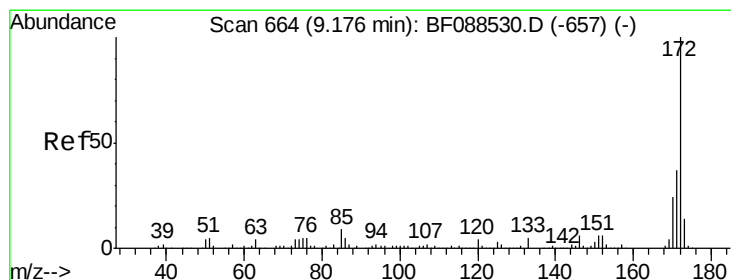
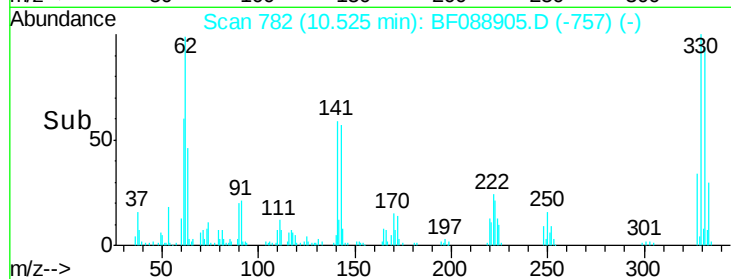
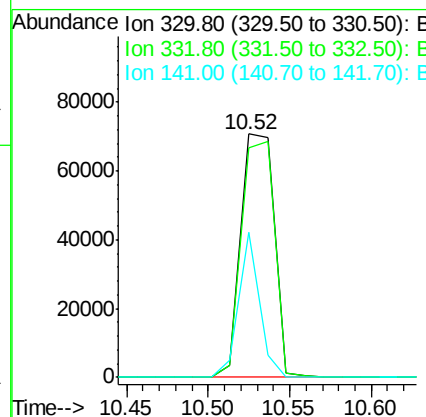
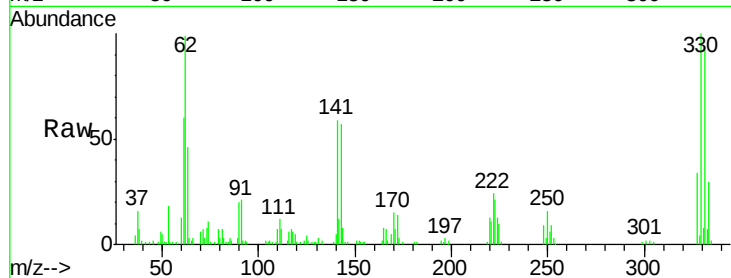
#41
 2,4,6-Tribromophenol
 Concen: 98.58 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088905.D
 Acq: 11 Jul 2016 17:58

Instrument :
 BNA_F
 ClientSampled :
 P7-B2-0-5-C

Tot Ion:	330	Resp:	99869
Ion Ratio	Lower	Upper	
330	100		
332	96.1	0.0	0.0#
141	36.9	0.0	0.0#

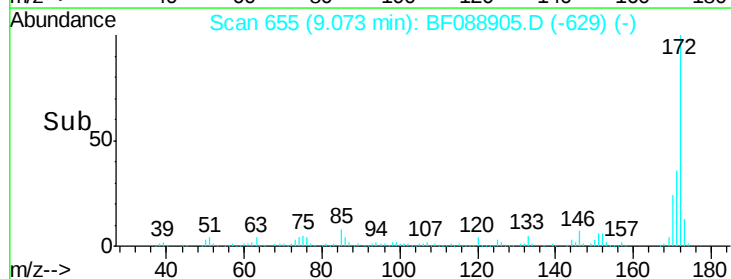
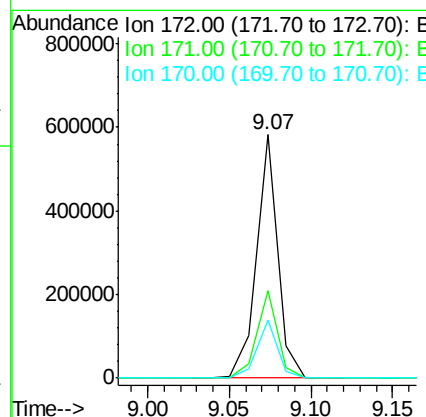
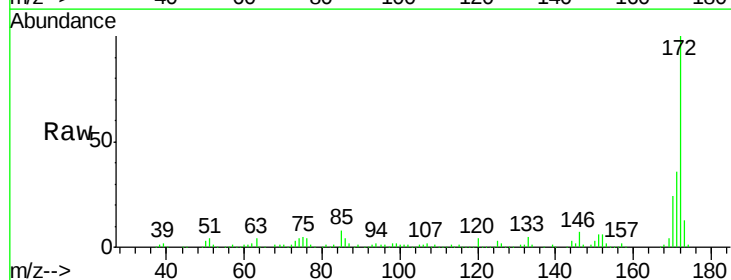
Manual Integrations

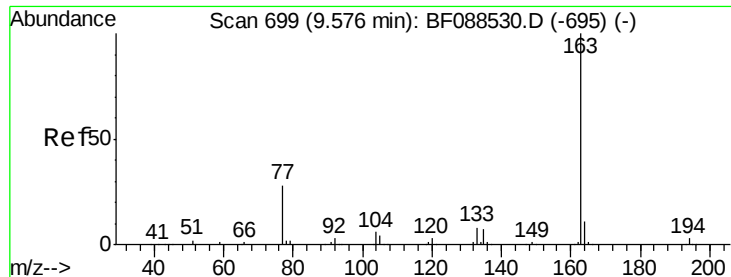
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#44
 2-Fluorobiphenyl
 Concen: 76.12 ng
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF088905.D
 Acq: 11 Jul 2016 17:58

Tgt Ion:	172	Resp:	525743
Ion Ratio	Lower	Upper	
172	100		
171	36.0	28.6	43.0
170	24.1	19.2	28.8





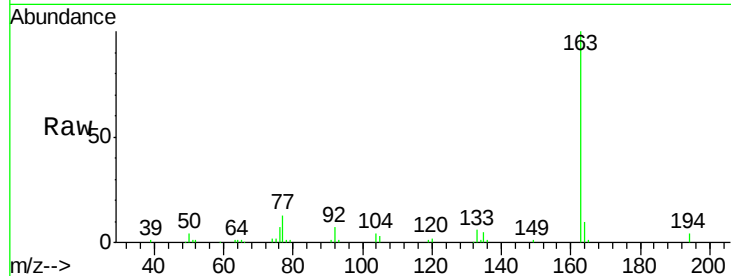
#49
Dimethylphthalate
Concen: 10.67 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Instrument :
BNA_F
ClientSampleId :
P7-B2-0-5-C

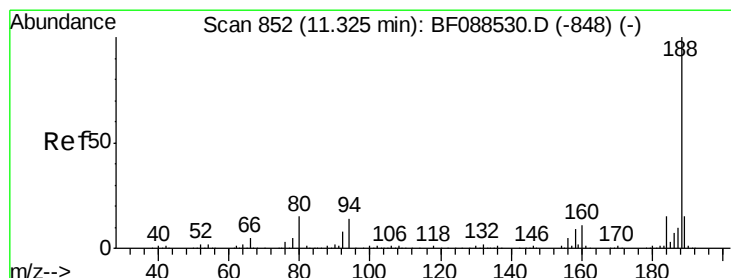
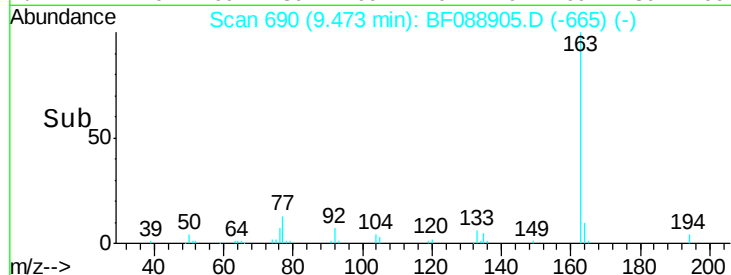
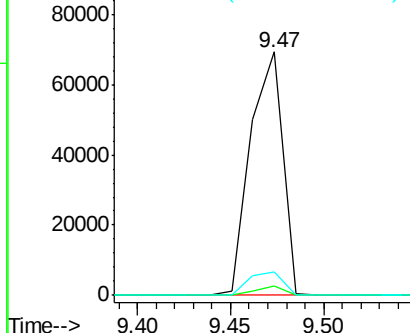
Tot Ion:163 Resp: 82926
Ion Ratio Lower Upper
163 100
194 3.9 2.8 4.2
164 9.6 8.3 12.5

Manual Integrations

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7/12/2016 7:36:40 PM

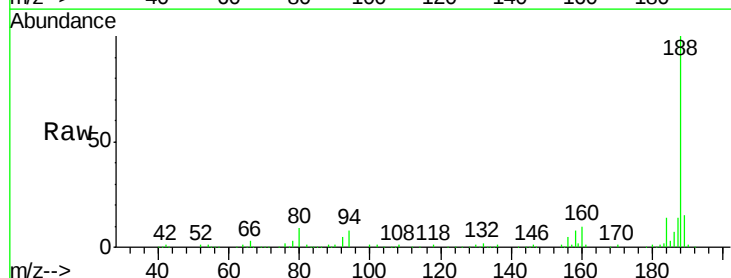


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

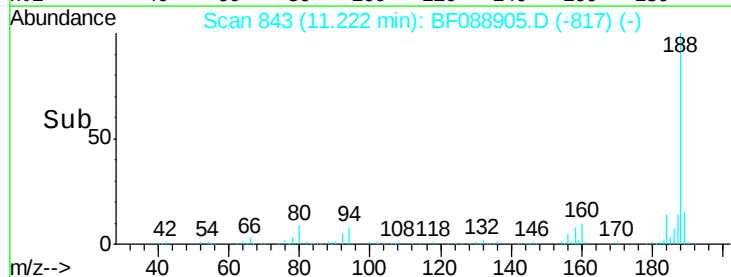
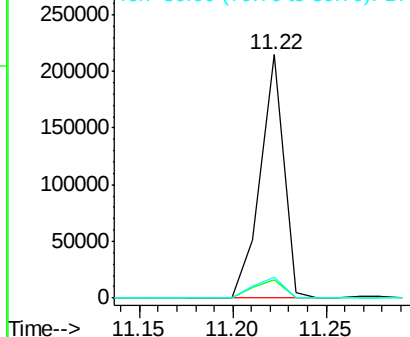


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 843
Delta R.T. 0.00 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Tgt Ion:188 Resp: 186326
Ion Ratio Lower Upper
188 100
94 7.8 9.0 13.6#
80 8.6 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





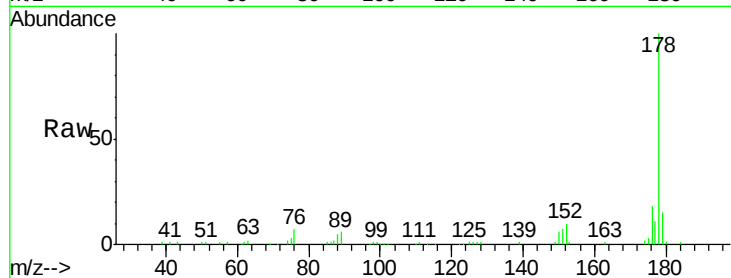
#70
Phenanthrene
Concen: 8.61 ng
RT: 11.24 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Instrument :
BNA_F
ClientSampleId :
P7-B2-0-5-C

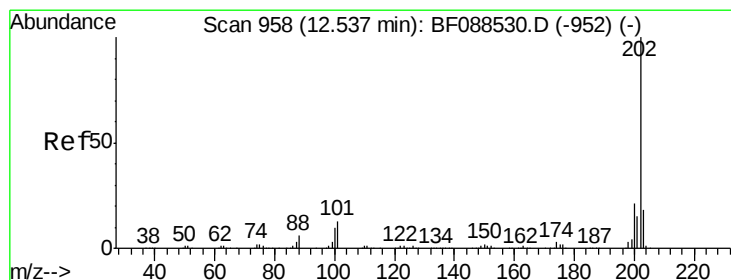
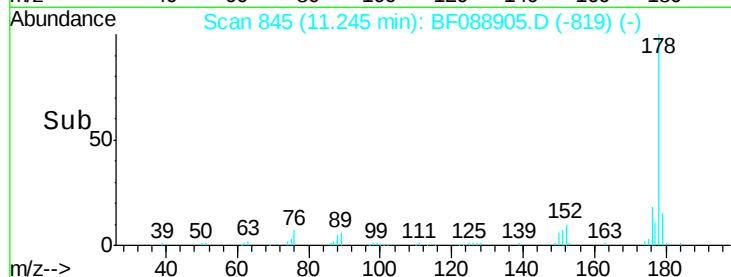
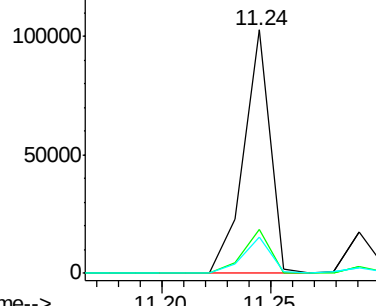
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.6
179	15.0	13.0	19.4

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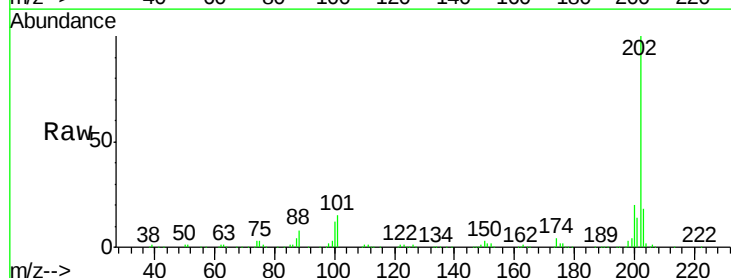


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

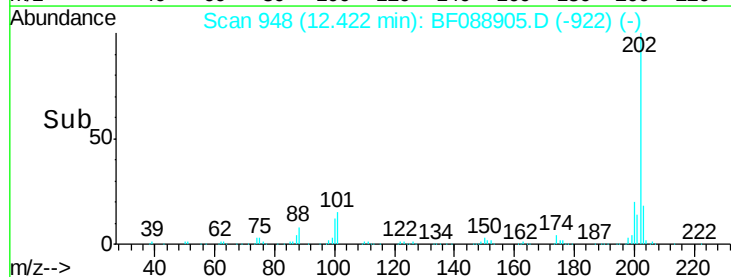
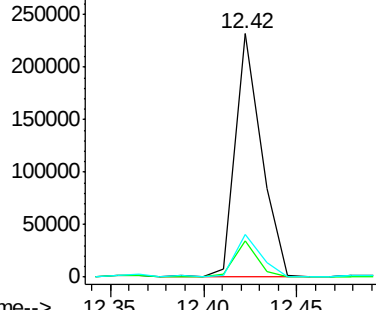


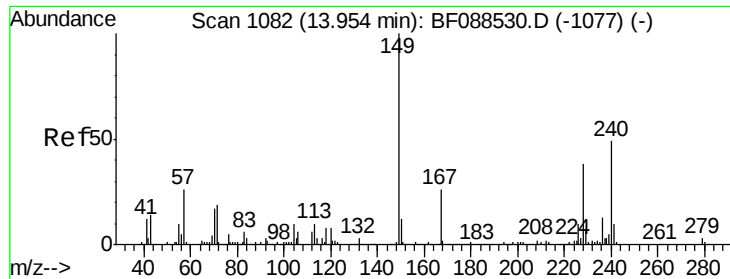
#74
Fluoranthene
Concen: 21.60 ng
RT: 12.42 min Scan# 948
Delta R.T. 0.00 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	33.1
203	17.6	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: 13.85 min Scan# 1073

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Instrument :

BNA_F

ClientSampleId :

P7-B2-0-5-C

Tot Ion:240 Resp: 140621

Ion Ratio Lower Upper

240 100

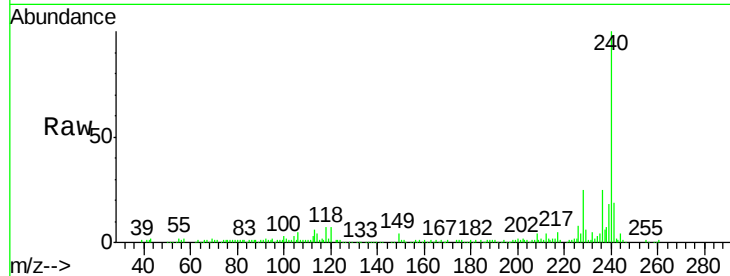
120 7.2 6.8 10.2

236 24.6 20.2 30.2

Manual Integrations

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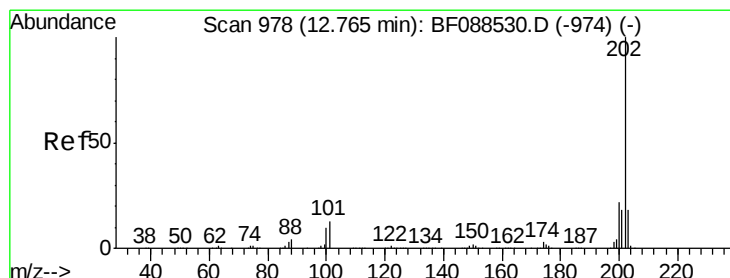
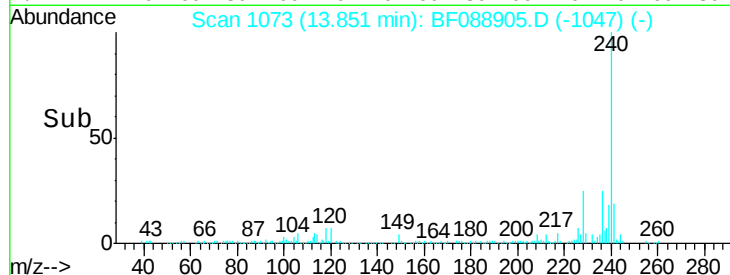
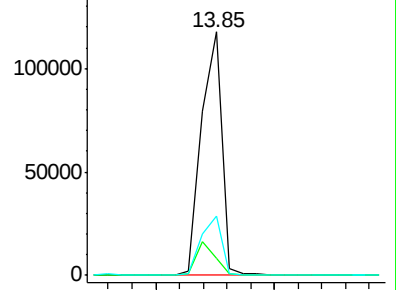
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 25.59 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

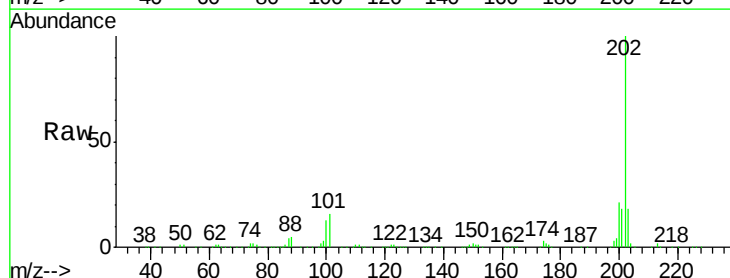
Tgt Ion:202 Resp: 305076

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

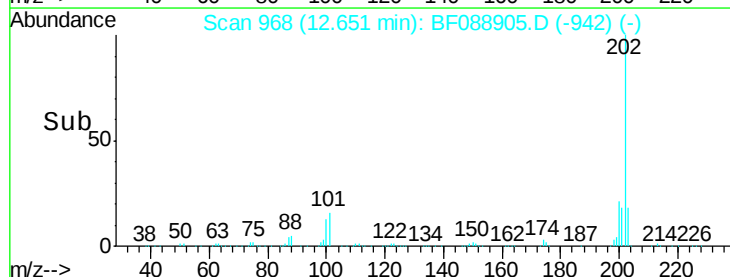
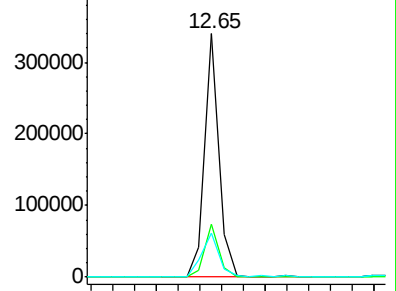
203 18.0 14.5 21.7



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: 67.90 ng

RT: 12.81 min Scan# 982

Delta R.T. 0.01 min

Lab File: BF088905.D

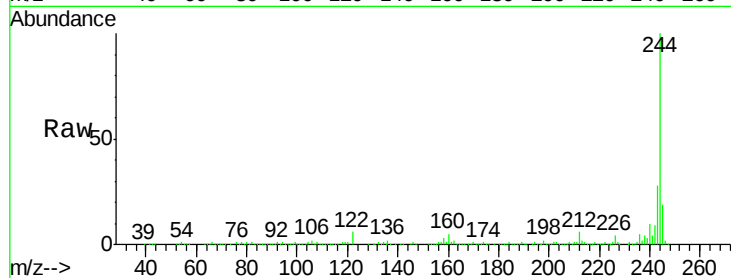
Acq: 11 Jul 2016 17:58

Instrument :

BNA_F

ClientSampleId :

P7-B2-0-5-C

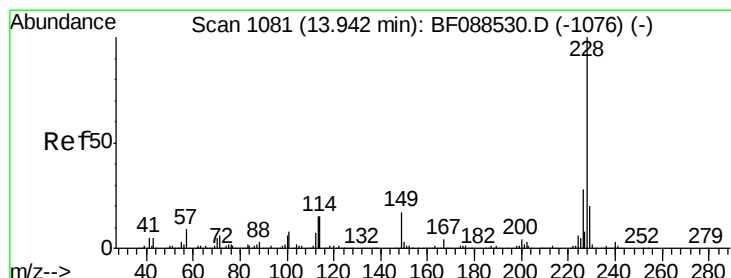
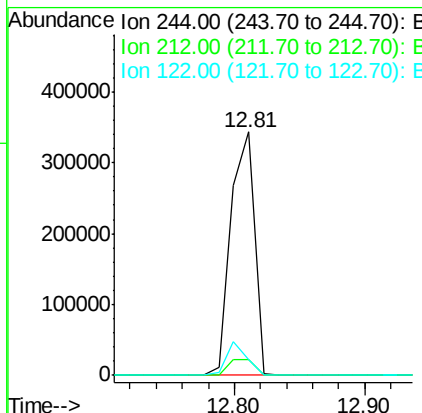
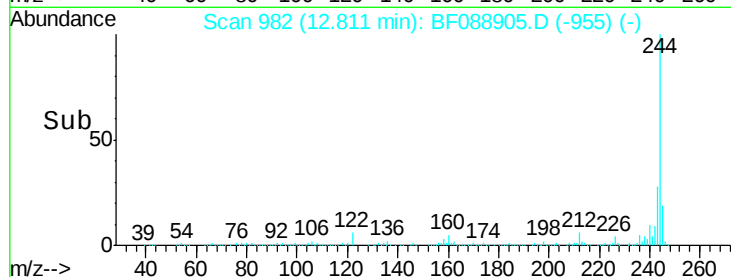


Tot Ion:	244	Resp:	428709
Ion Ratio	Lower	Upper	
244	100		
212	6.4	6.0	9.0
122	6.3	11.2	16.8#

Manual Integrations

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7/12/2016 7:36:40 PM



#80

Benzo(a)anthracene

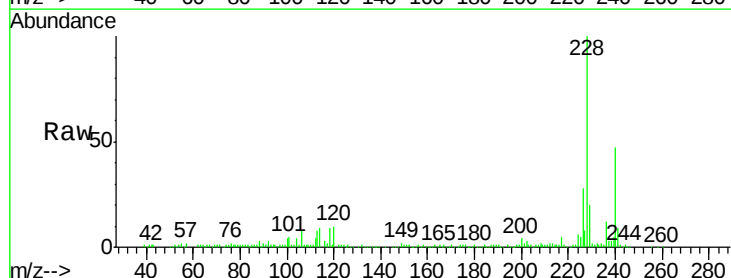
Concen: 22.61 ng

RT: 13.84 min Scan# 1072

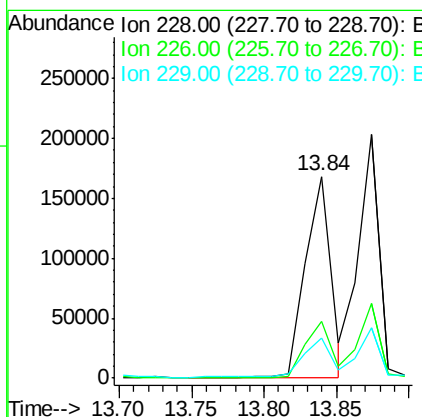
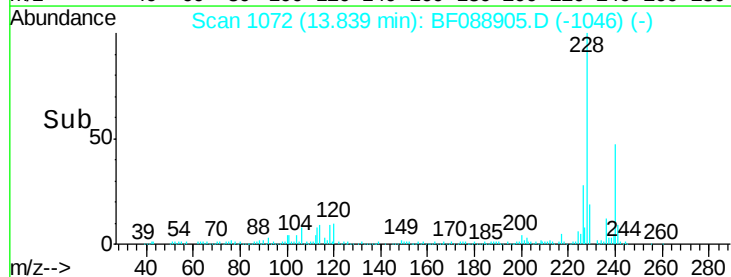
Delta R.T. 0.00 min

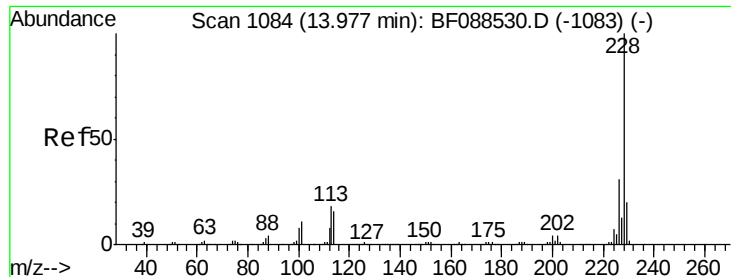
Lab File: BF088905.D

Acq: 11 Jul 2016 17:58



Tgt Ion:	228	Resp:	204760
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.3	33.5
229	19.7	16.0	24.0





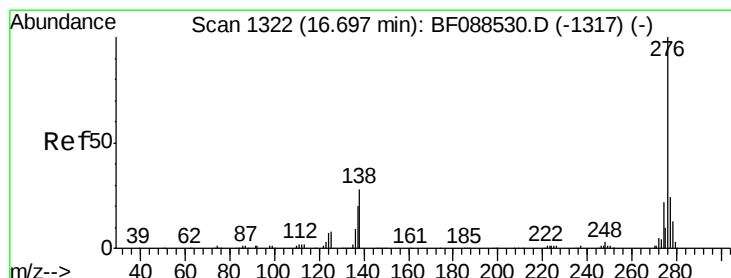
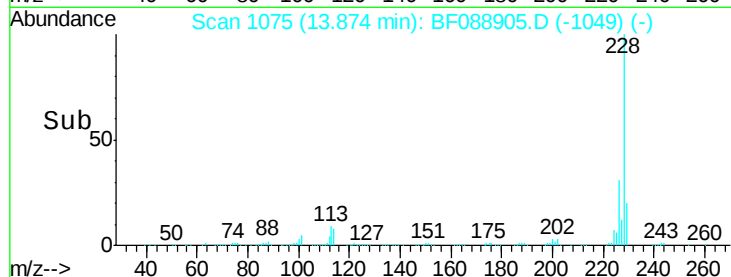
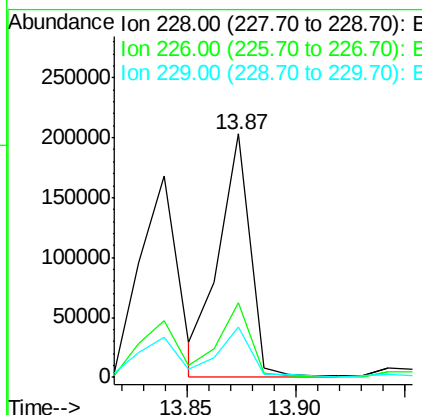
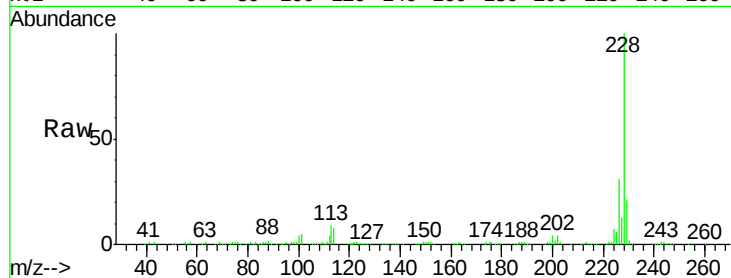
#82
Chrysene
Concen: 22.25 ng
RT: 13.87 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Instrument :
BNA_F
ClientSampled :
P7-B2-0-5-C

Tot Ion:	228	Resp:	199327
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.4	38.2
229	20.5	16.3	24.5

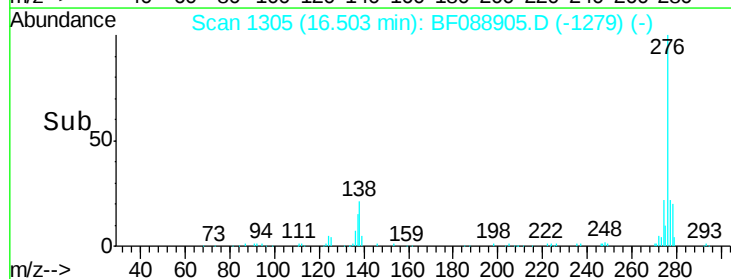
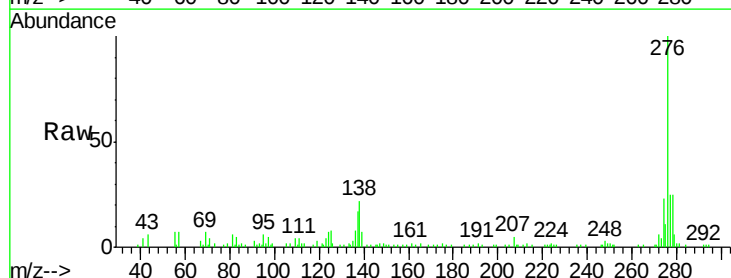
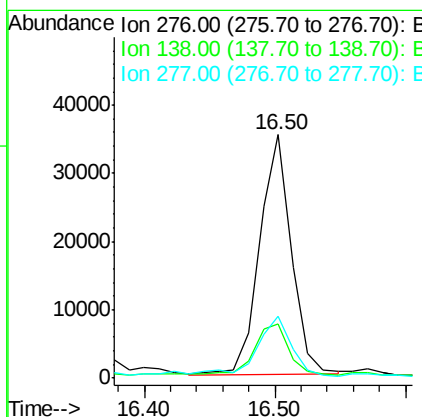
Manual Integrations

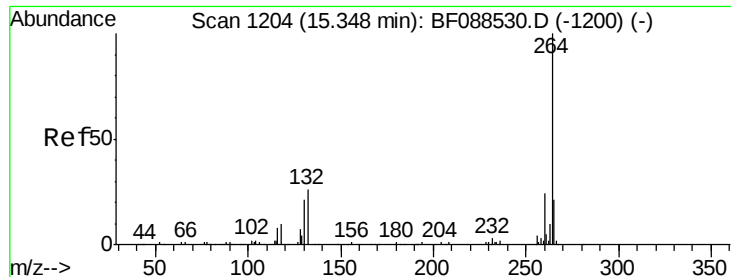
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.68 ng
RT: 16.50 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Tgt Ion:	276	Resp:	59849
Ion Ratio	Lower	Upper	
276	100		
138	26.0	0.0	0.0#
277	31.0	0.0	0.0#





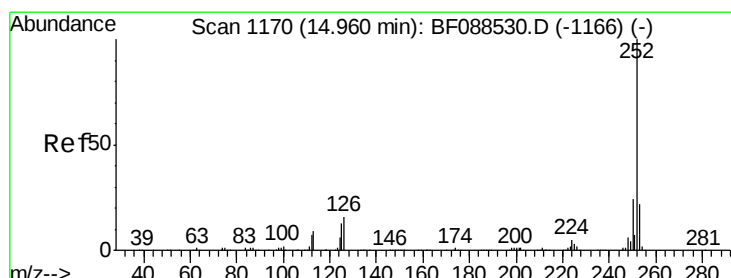
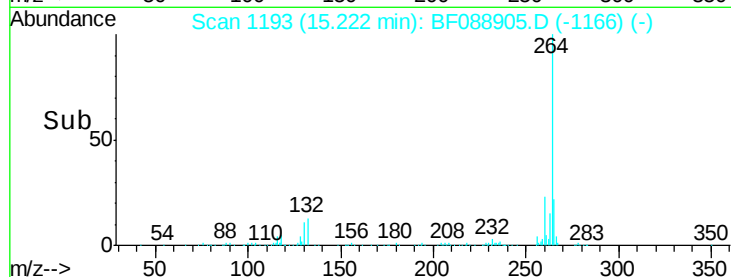
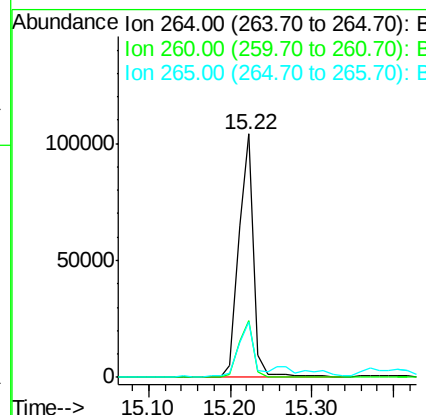
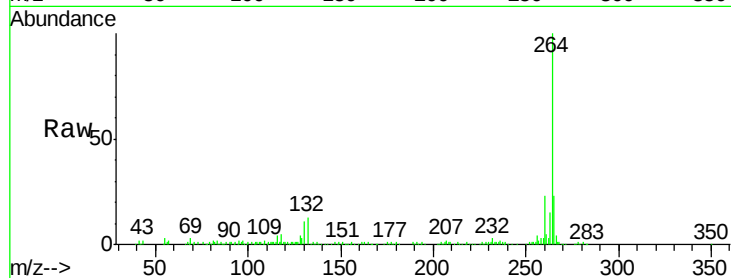
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Instrument :
BNA_F
ClientSampleId :
P7-B2-0-5-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.5	16.9	25.3

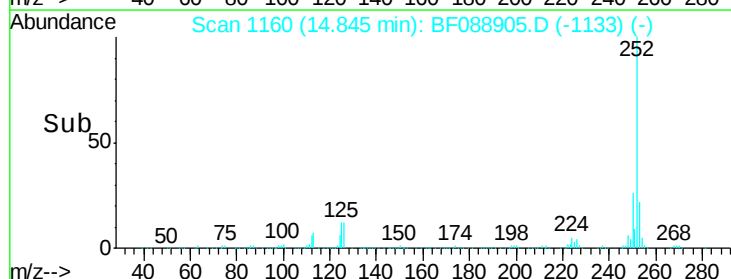
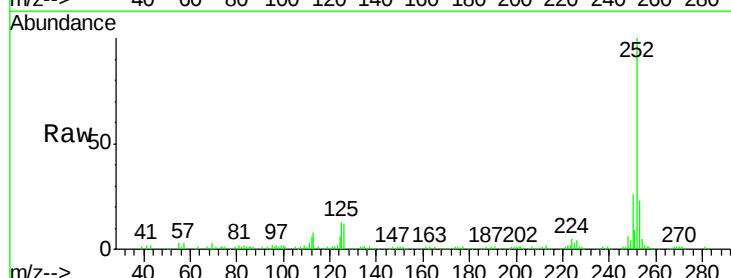
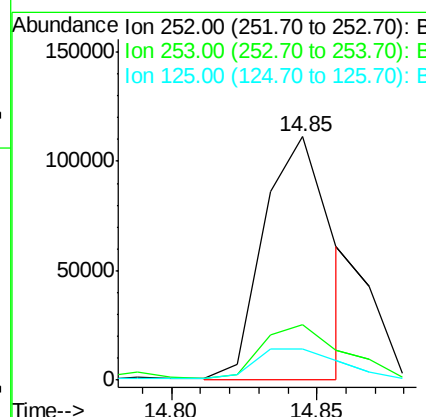
Manual Integrations

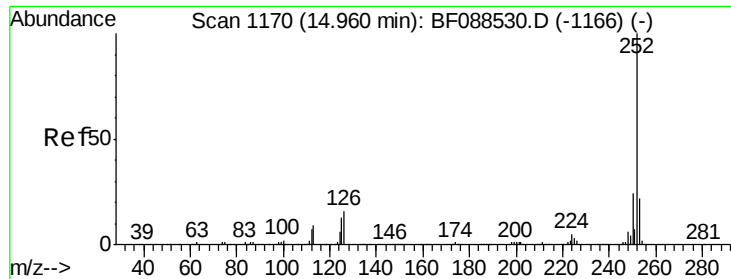
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#87
Benzo(b)fluoranthene
Concen: 22.18 ng m
RT: 14.85 min Scan# 1160
Delta R.T. 0.01 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	12.5	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 4.54 ng m

RT: 14.86 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Instrument :

BNA_F

ClientSampled :

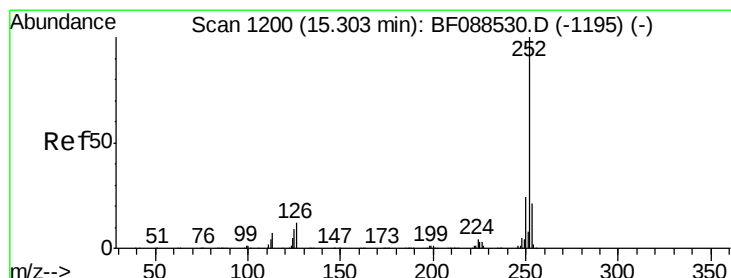
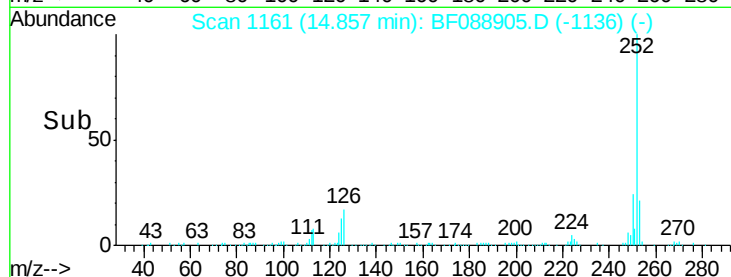
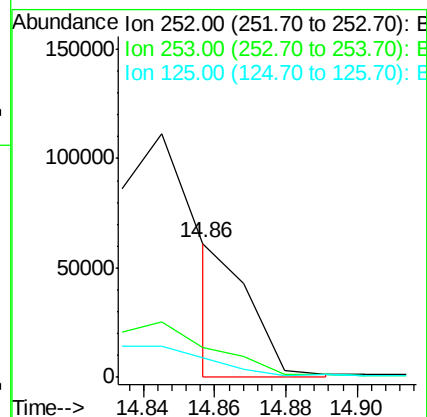
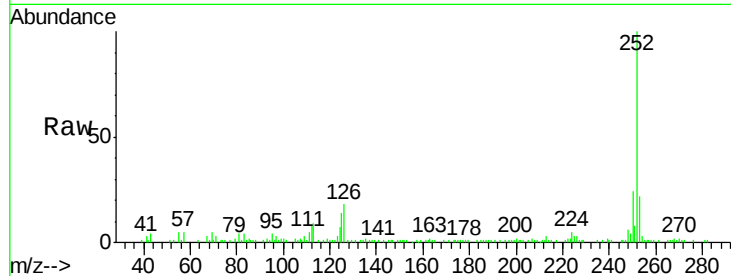
P7-B2-0-5-C

Tot Ion:	252	Resp:	32500
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.0	27.0
125	14.3	11.2	16.8

Manual Integrations

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7/12/2016 7:36:40 PM



#89

Benzo(a)pyrene

Concen: 17.12 ng m

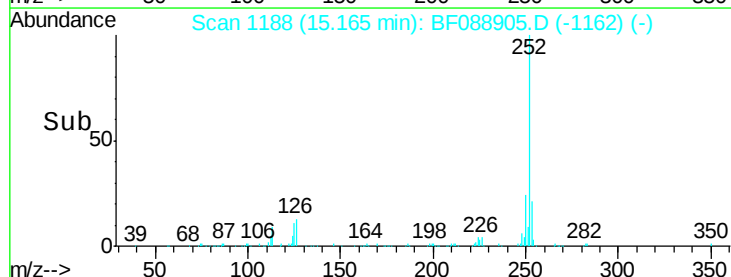
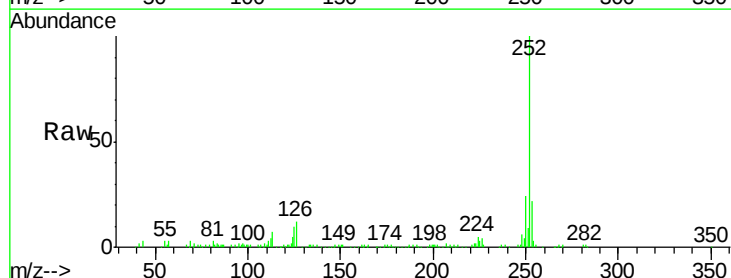
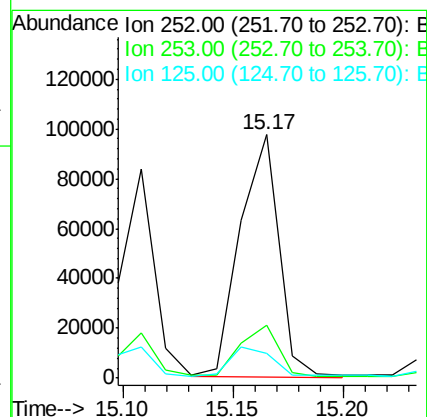
RT: 15.17 min Scan# 1188

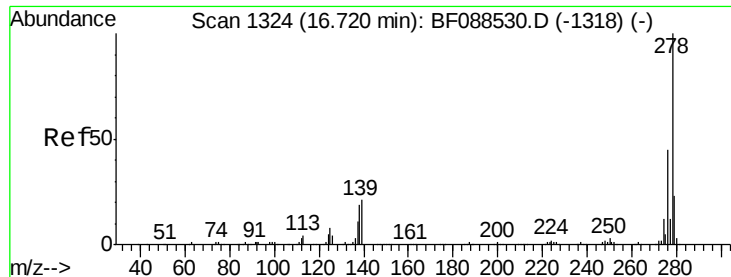
Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Tgt Ion:	252	Resp:	119279
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.9	26.9
125	9.9	12.5	18.7#





#90

Dibenzo(a,h)anthracene

Concen: 3.22 ng

RT: 16.51 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Instrument :

BNA_F

ClientSampleId :

P7-B2-0-5-C

Tot Ion:278 Resp: 18757

Ion Ratio Lower Upper

278 100

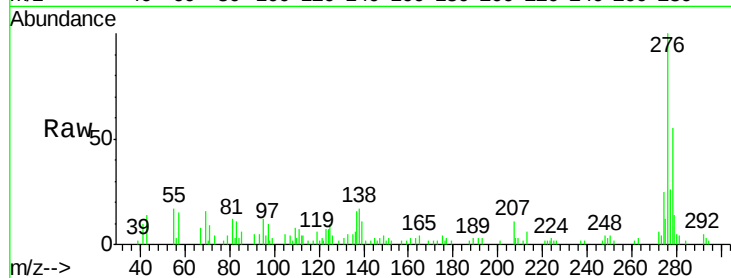
139 19.5 15.7 23.5

279 25.9 19.4 29.2

Manual Integrations

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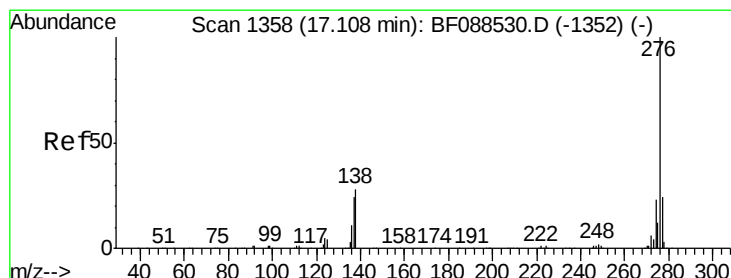
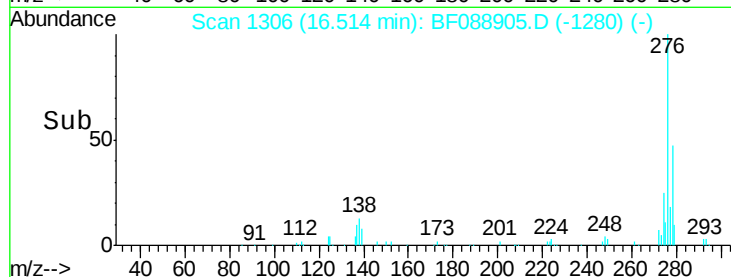
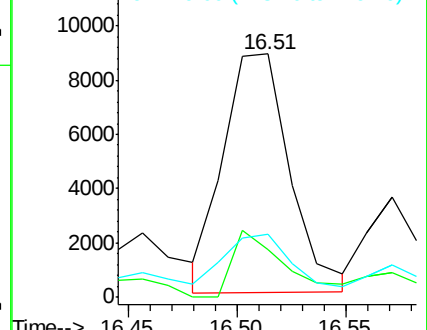
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Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 10.18 ng

RT: 16.88 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

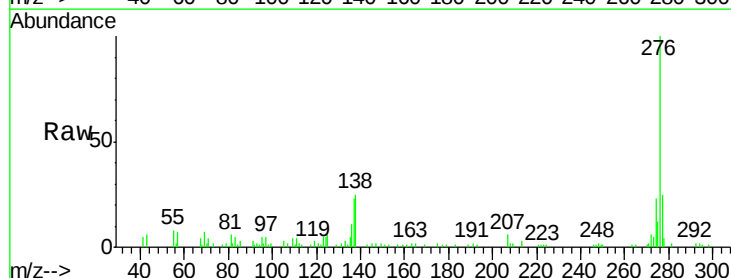
Tgt Ion:276 Resp: 61278

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 25.5 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

