

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
 Data File : BF091569.D
 Acq On : 13 Dec 2016 22:15
 Operator : UM/SJ
 Sample : H5918-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-21-12-6-16

Manual Integrations
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Quant Time: Dec 14 01:37:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	296883	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	1255854	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	605960	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	936555	20.00	ng	0.00
75) Chrysene-d12	13.97	240	567168	20.00	ng	0.01
86) Perylene-d12	15.38	264	673518	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	2026401	114.99	ng	0.01
7) Phenol-d6	6.45	99	2974415	135.39	ng	0.00
23) Nitrobenzene-d5	7.38	82	1782457	79.22	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	569562	113.16	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2807607	80.06	ng	-0.01
78) Terphenyl-d14	12.92	244	2188526	87.56	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	1309002	34.12	ng	98
51) Acenaphthene	9.88	154	262971	7.31	ng	98
54) Dibenzofuran	10.05	168	278282	6.25	ng	94
57) Fluorene	10.40	166	433282	9.72	ng	98
70) Phenanthrene	11.36	178	3447280	74.33	ng	98
71) Anthracene	11.40	178	1189339	23.78	ng	98
72) Carbazole	11.56	167	543613	12.40	ng	98
74) Fluoranthene	12.55	202	4452095	91.68	ng	93
77) Pyrene	12.77	202	3406523	75.71	ng	97
80) Benzo(a)anthracene	13.96	228	1985900	60.29	ng	99
82) Chrysene	14.00	228	1632638	47.38	ng	97
85) Indeno(1,2,3-cd)pyrene	16.75	276	596252m	19.23	ng	
87) Benzo(b)fluoranthene	14.98	252	1634812m	40.72	ng	
88) Benzo(k)fluoranthene	14.99	252	739433m	20.95	ng	
89) Benzo(a)pyrene	15.32	252	1137931	31.46	ng	98
90) Dibenzo(a,h)anthracene	16.75	278	157073	4.85	ng	94
91) Benzo(g,h,i)perylene	17.16	276	501146	15.20	ng	96

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

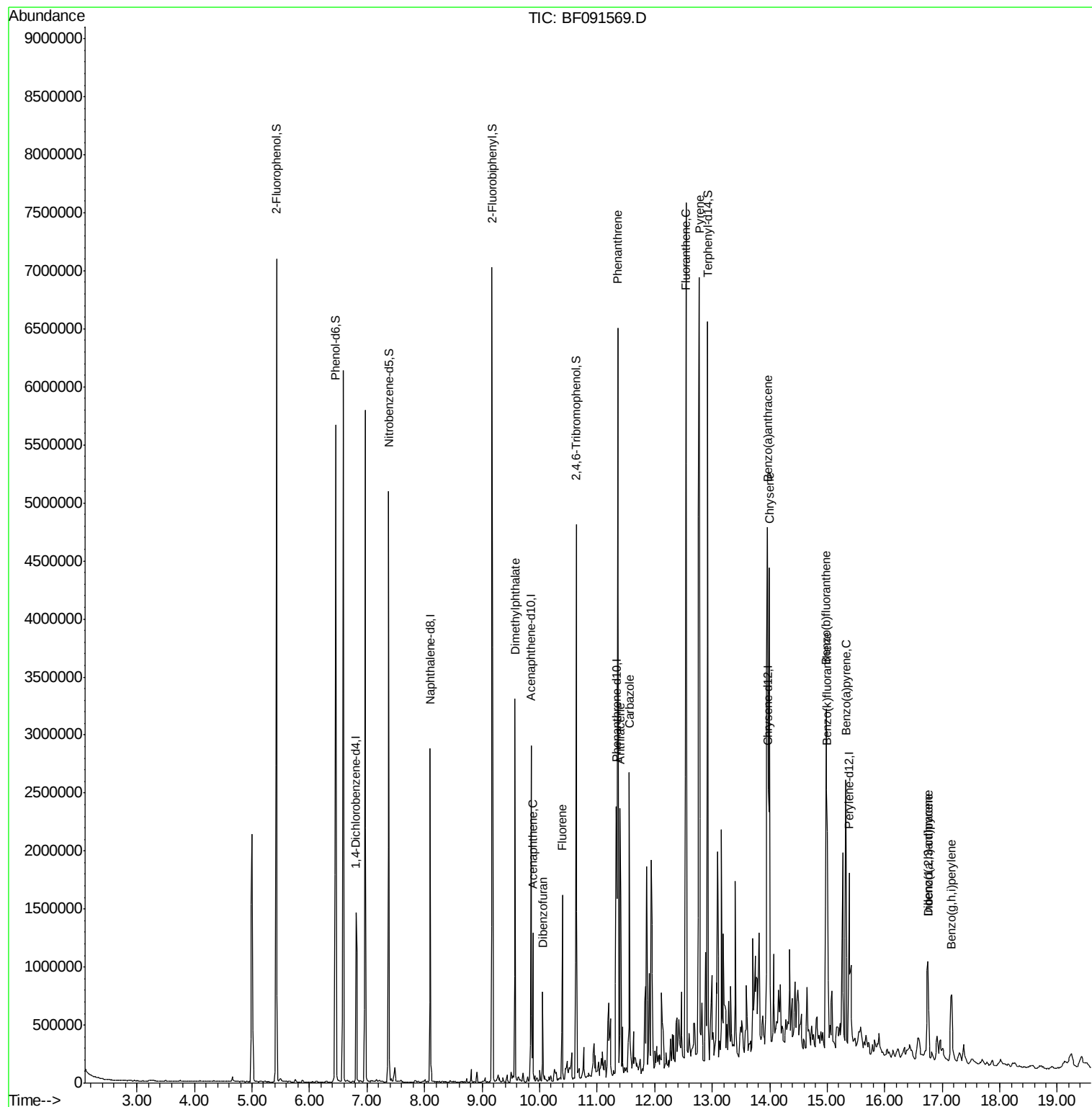
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
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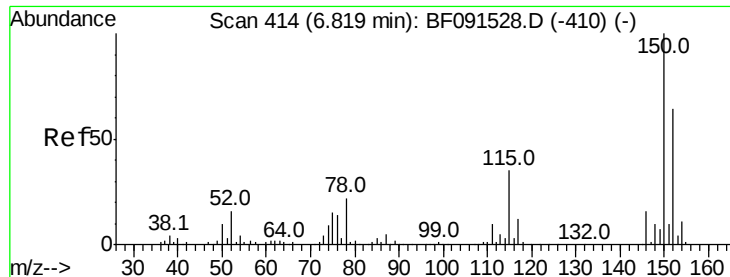
Instrument :
BNA_F
ClientSampled :
P-21-12-6-16

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Quant Time: Dec 14 01:37:36 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

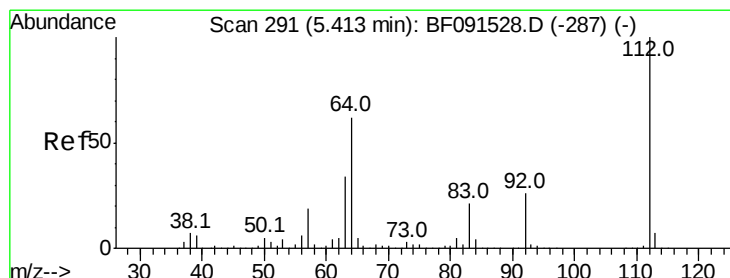
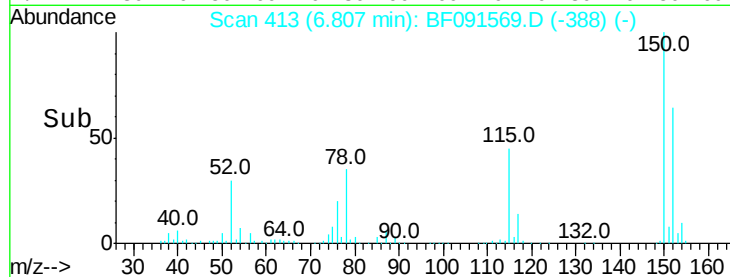
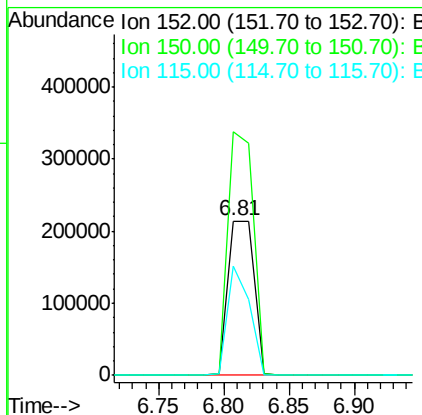
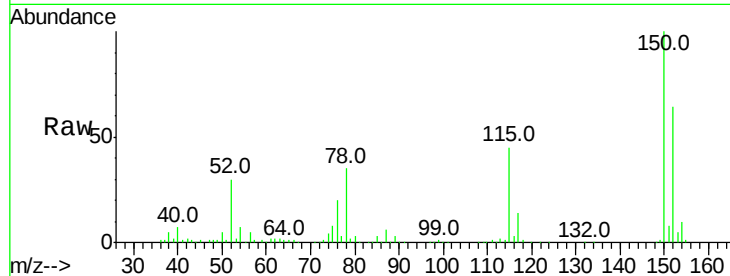
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	122.5	183.7
115	70.3	51.8	77.8

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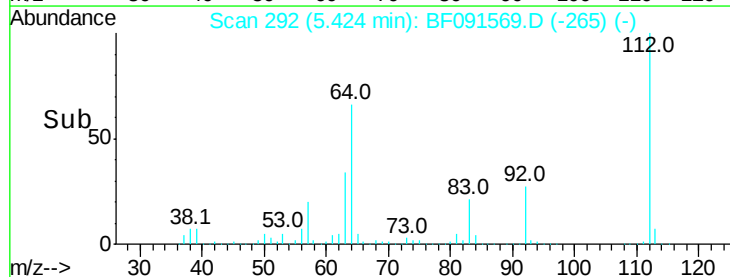
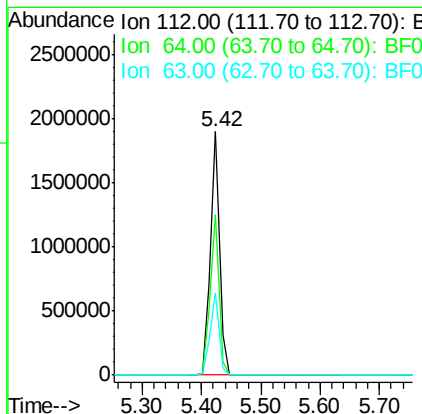
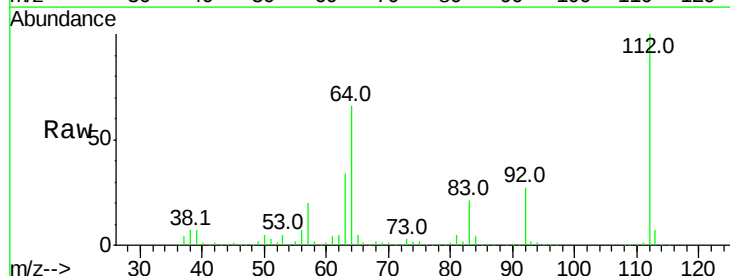
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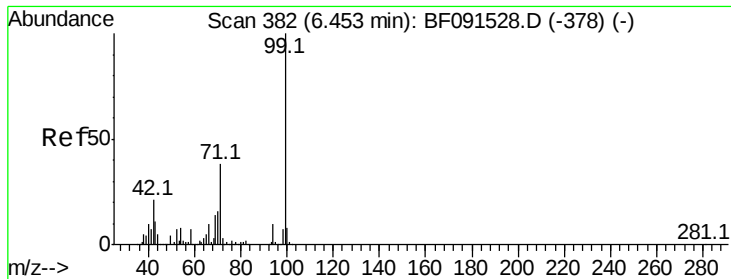


#5

2-Fluorophenol
Concen: 114.99 ng
RT: 5.42 min Scan# 292
Delta R.T. 0.01 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	61.5	92.3
63	34.0	33.3	49.9





#7

Phenol-d6

Concen: 135.39 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF091569.D

Acq: 13 Dec 2016 22:15

Instrument :

BNA_F

ClientSampled :

P-21-12-6-16

Tot Ion: 99 Resp: 2974415

Ion Ratio Lower Upper

99 100

42 20.4 20.6 31.0#

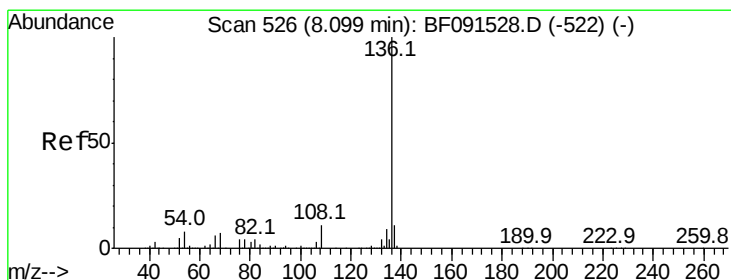
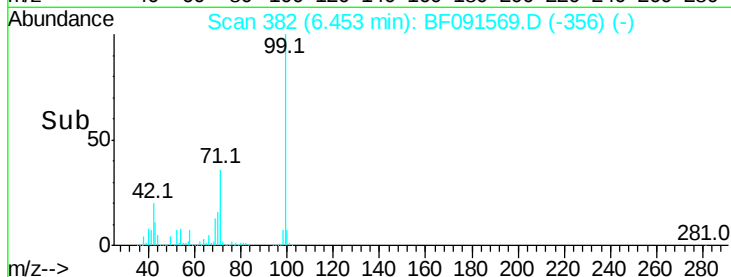
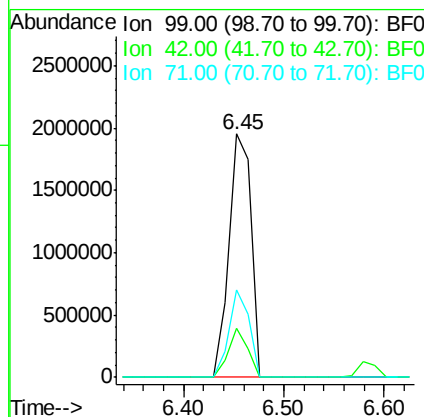
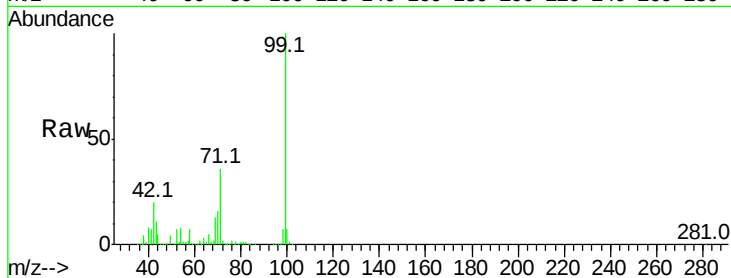
71 35.7 29.9 44.9

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF091569.D

Acq: 13 Dec 2016 22:15

Tgt Ion: 136 Resp: 1255854

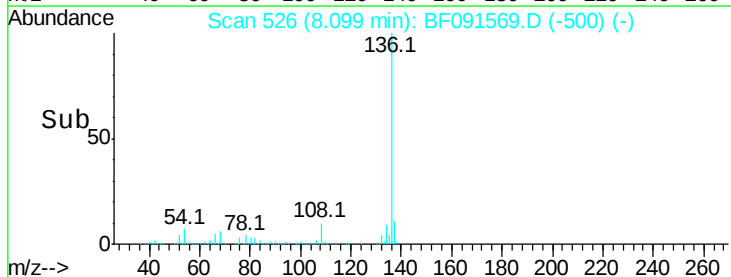
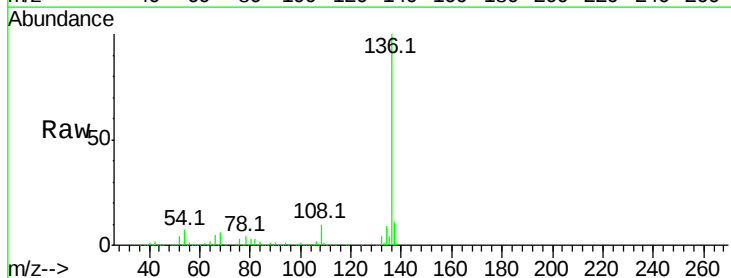
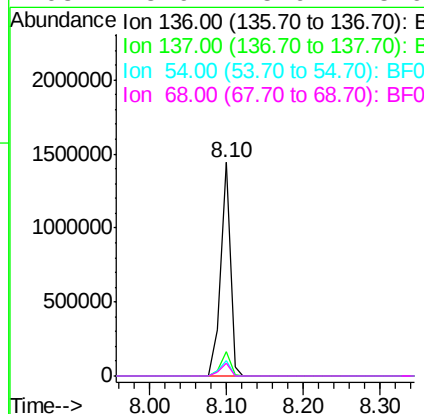
Ion Ratio Lower Upper

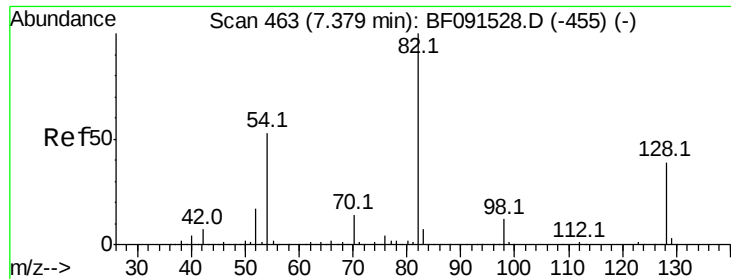
136 100

137 11.2 9.1 13.7

54 7.4 9.1 13.7#

68 5.9 5.9 8.9#





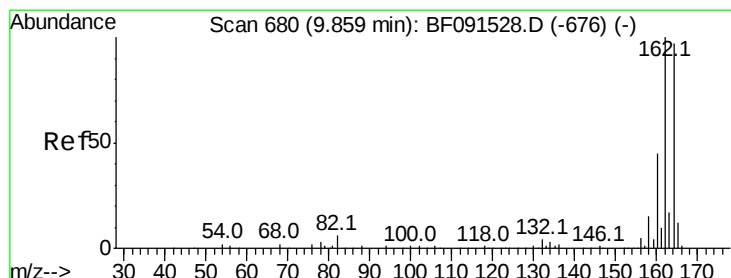
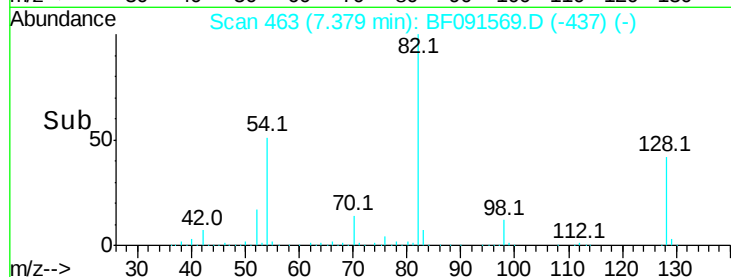
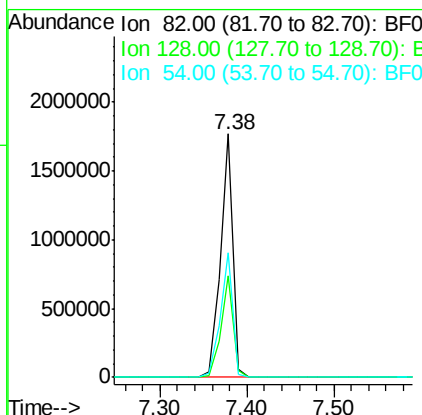
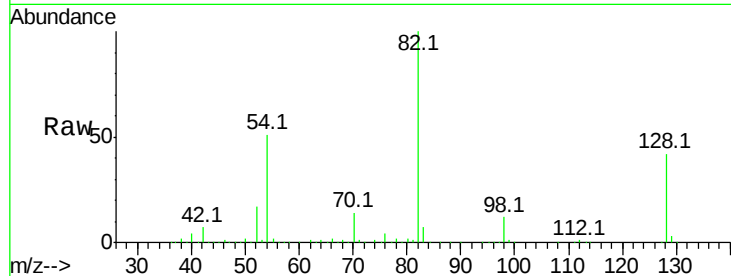
#23
 Nitrobenzene-d5
 Concen: 79.22 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: BF091569.D
 Acq: 13 Dec 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 P-21-12-6-16

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	31.8	47.6
54	51.4	49.1	73.7

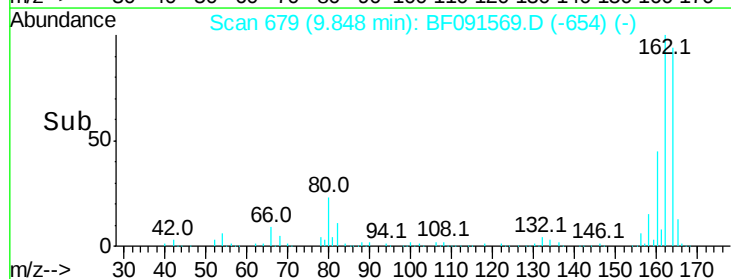
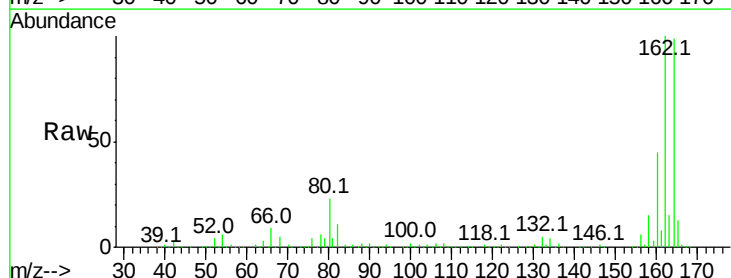
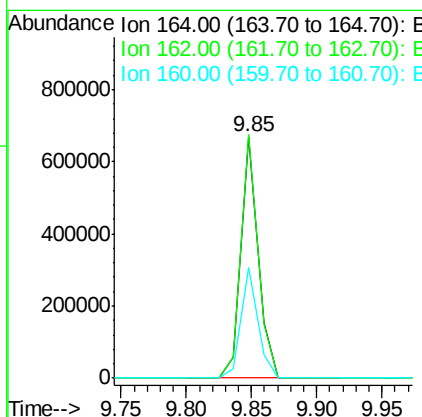
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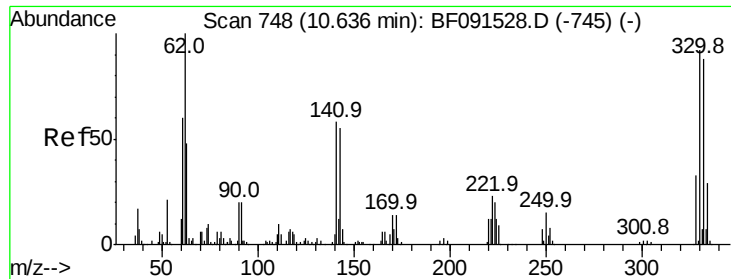
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: BF091569.D
 Acq: 13 Dec 2016 22:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.6	124.0
160	45.6	36.7	55.1





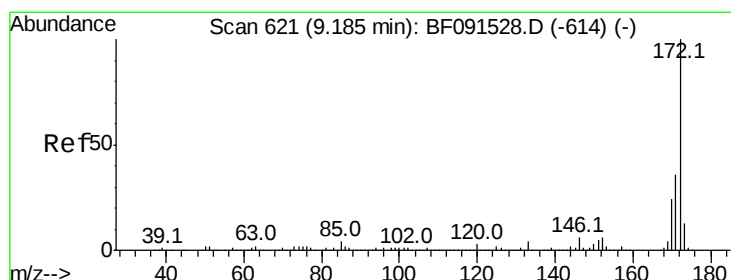
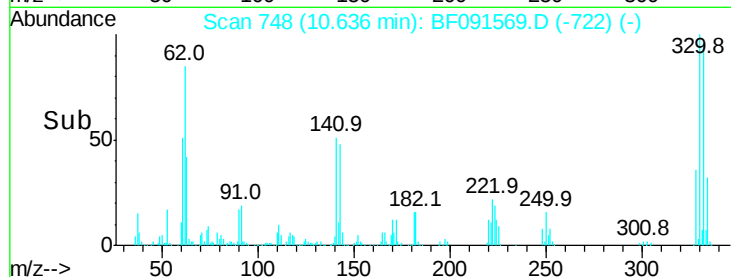
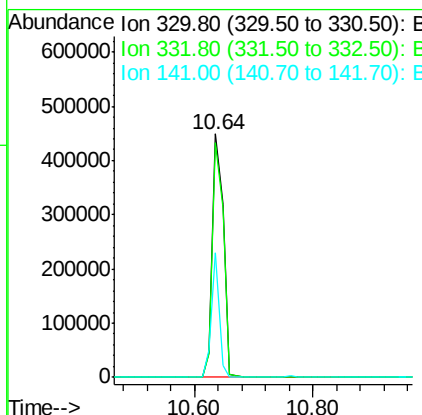
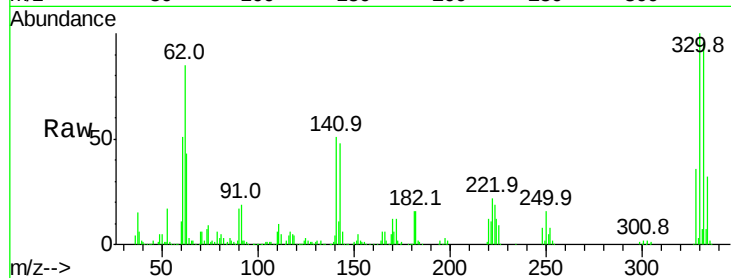
#41
 2,4,6-Tribromophenol
 Concen: 113.16 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF091569.D
 Acq: 13 Dec 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 P-21-12-6-16

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.2	114.4
141	37.3	33.6	50.4

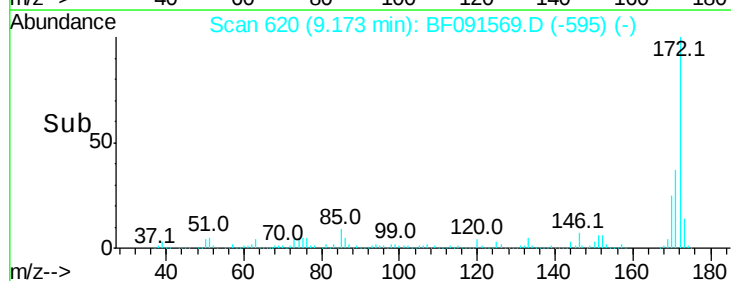
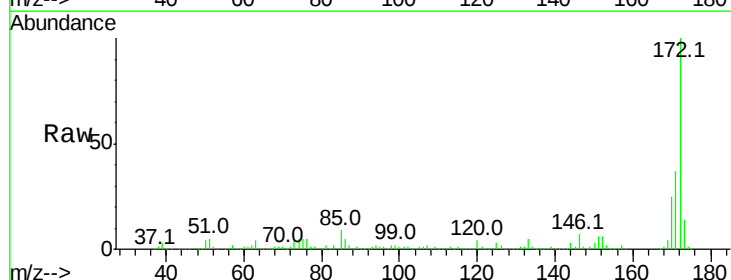
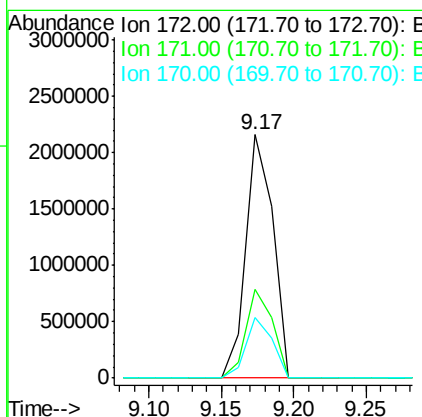
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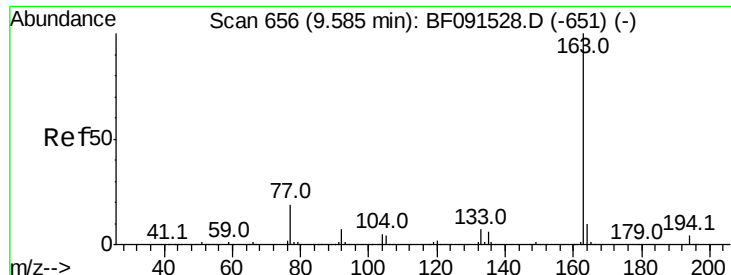
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#44
 2-Fluorobiphenyl
 Concen: 80.06 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF091569.D
 Acq: 13 Dec 2016 22:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.7	19.7	29.5





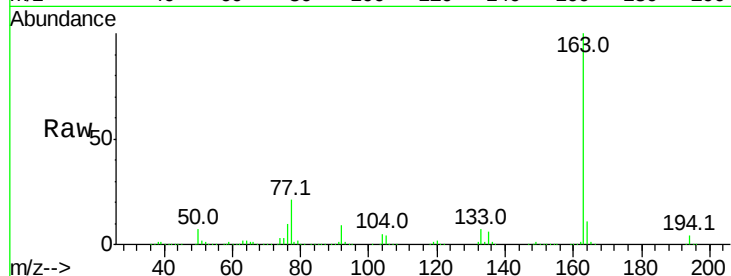
#49
Dimethylphthalate
Concen: 34.12 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	10.6	7.8	11.8

Manual Integrations
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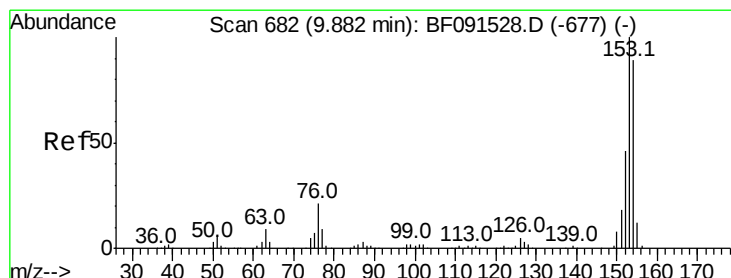
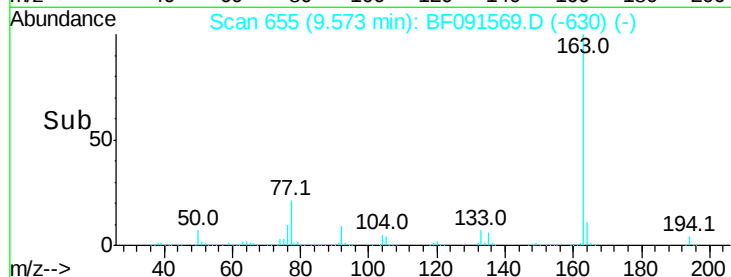
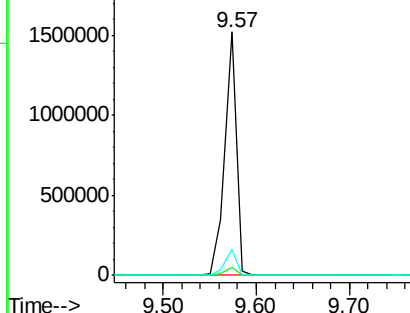


Abundance

Ion 163.00 (162.70 to 163.70): E

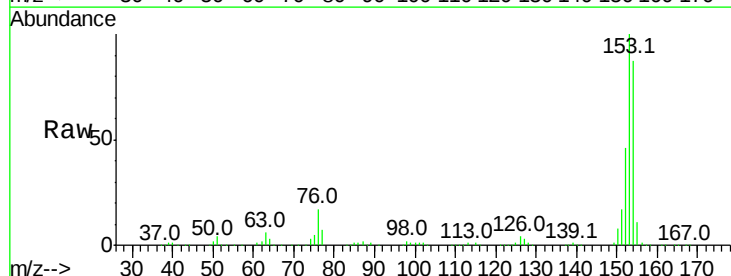
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 7.31 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.0	136.6
152	52.9	44.2	66.2

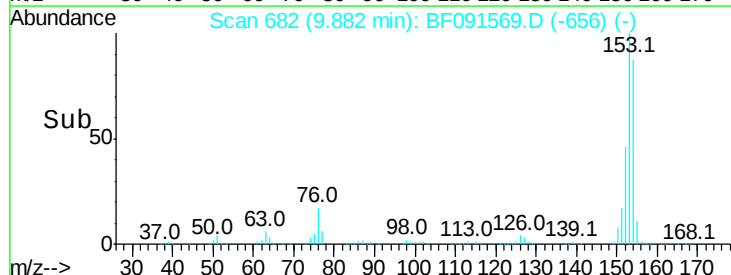
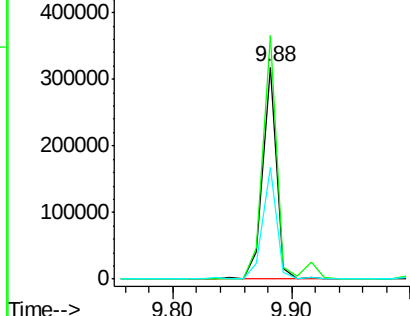


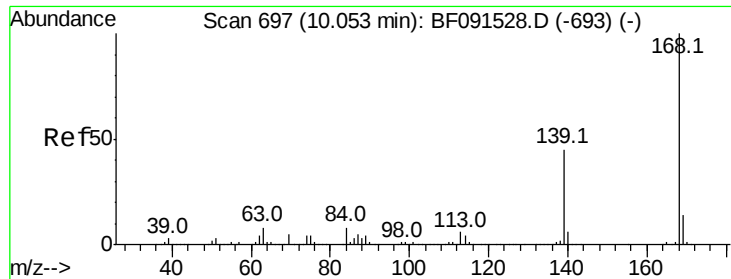
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





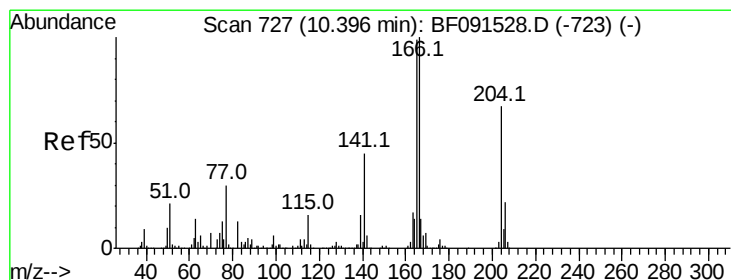
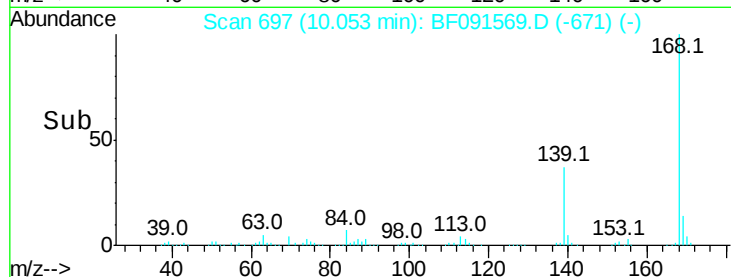
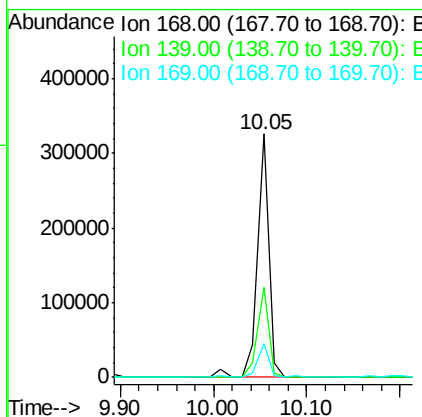
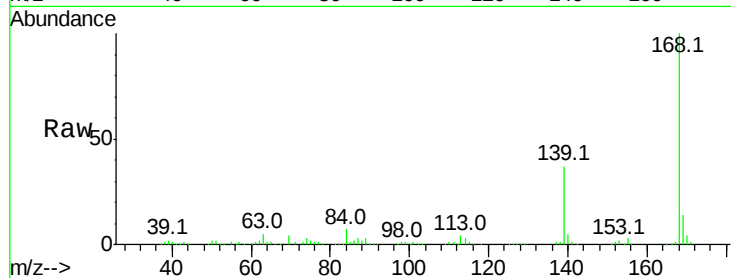
#54
Dibenzenofuran
Concen: 6.25 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16

Tot Ion	Ratio	Resp	Lower	Upper
168	100	278282		
139	37.2		33.4	50.2
169	13.6		11.1	16.7

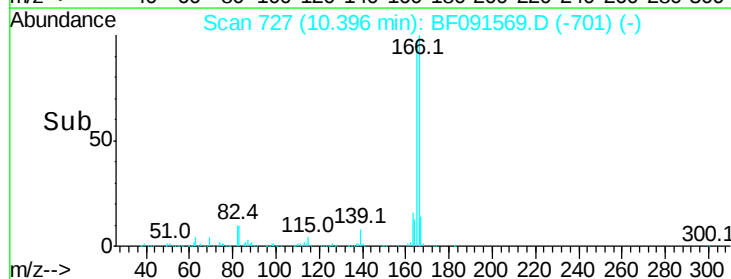
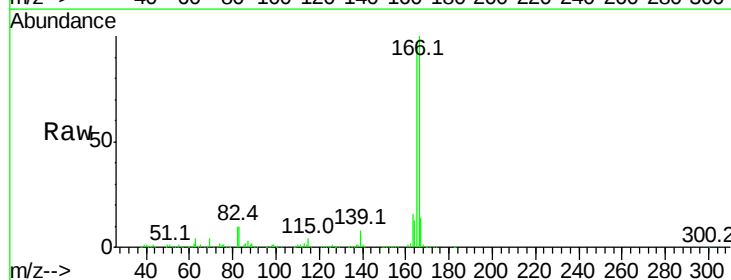
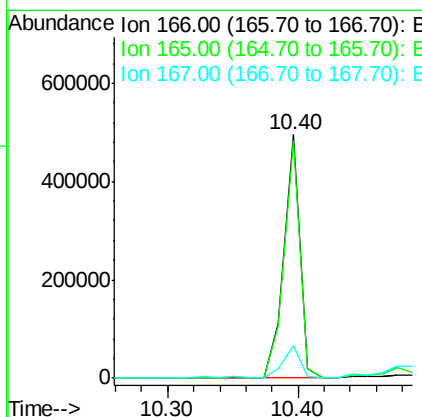
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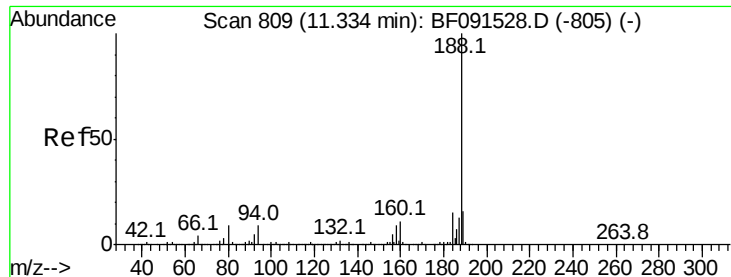
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#57
Fluorene
Concen: 9.72 ng
RT: 10.40 min Scan# 727
Delta R.T. 0.00 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	433282		
165	97.4		80.0	120.0
167	13.6		10.8	16.2





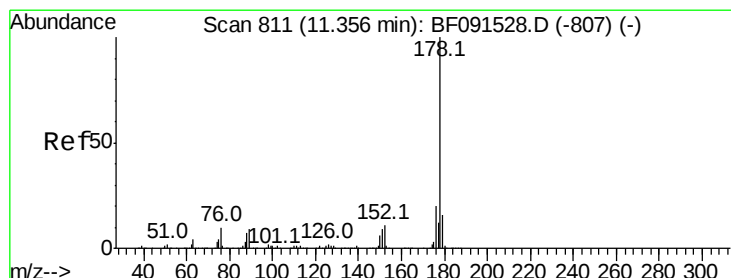
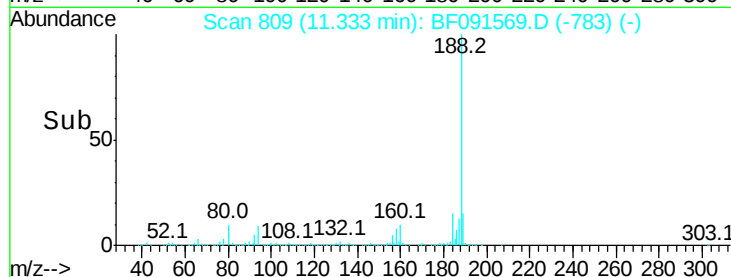
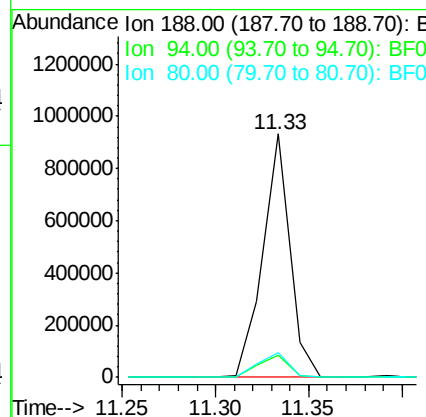
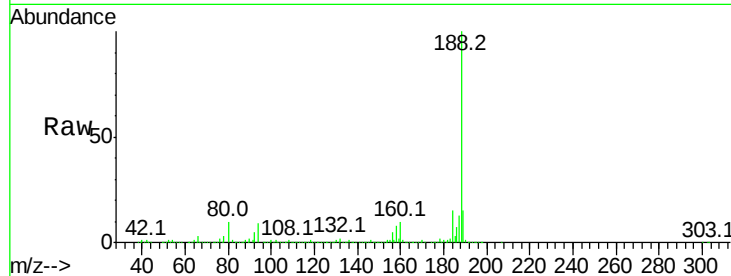
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	9.2	13.8#
80	10.0	10.5	15.7#

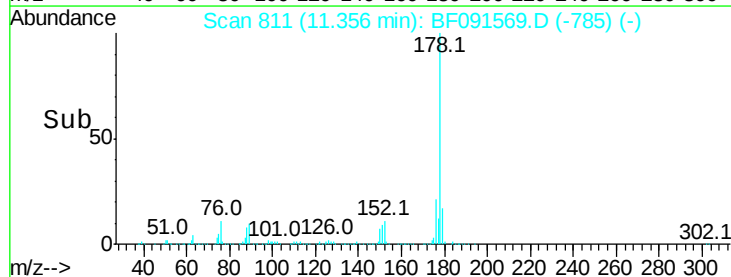
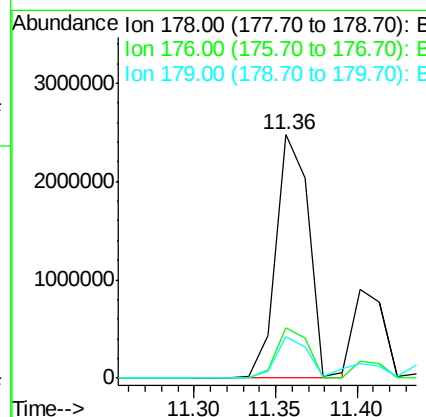
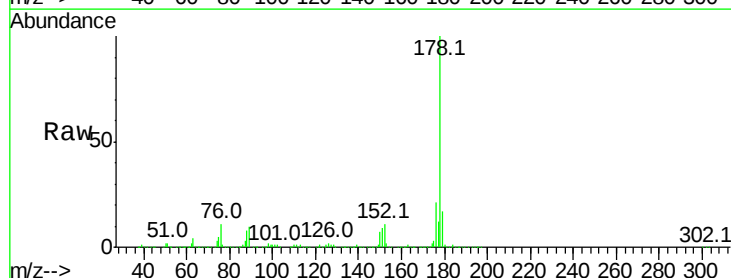
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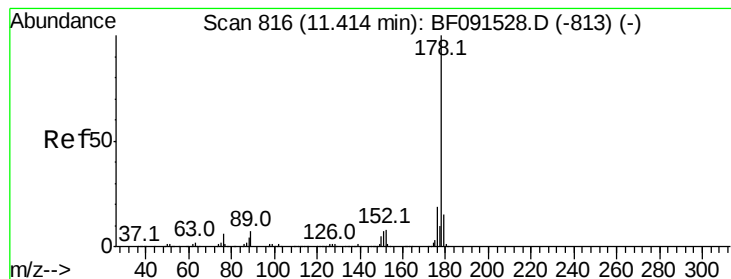
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#70
Phenanthrene
Concen: 74.33 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.5	15.9	23.9
179	17.0	12.6	18.8





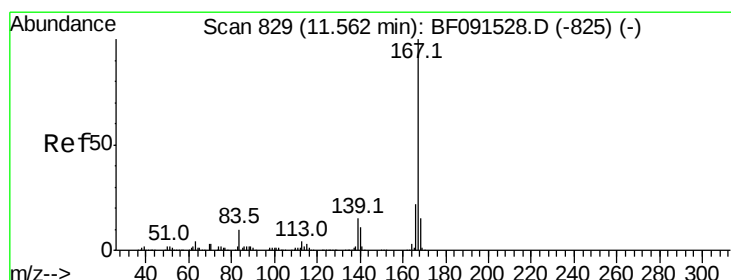
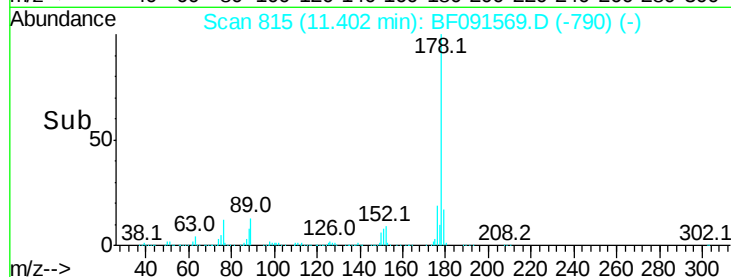
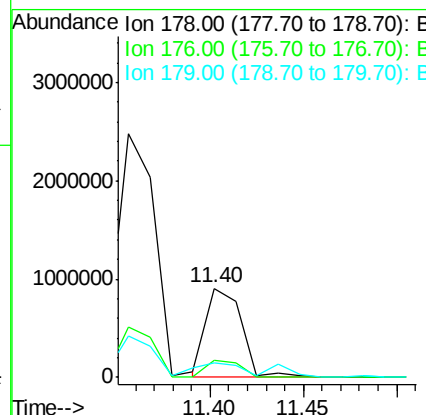
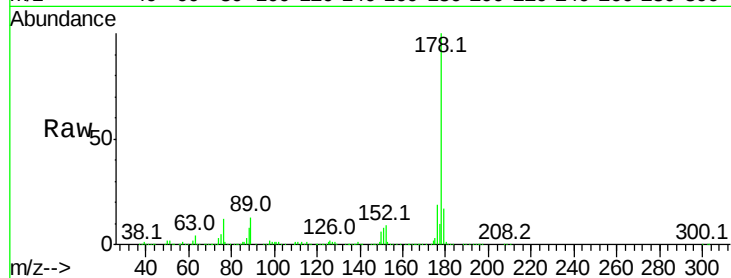
#71
 Anthracene
 Concen: 23.78 ng
 RT: 11.40 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF091569.D
 Acq: 13 Dec 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 P-21-12-6-16

Tot Ion:178 Resp: 1189339
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.6
 179 16.7 12.7 19.1

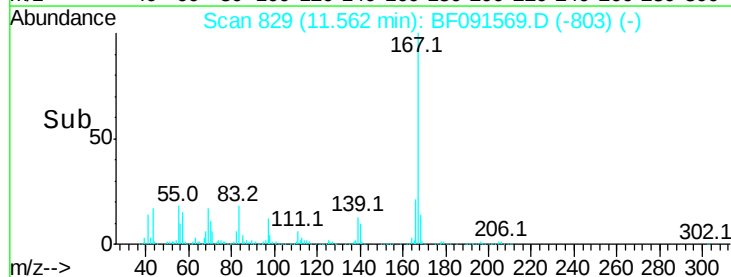
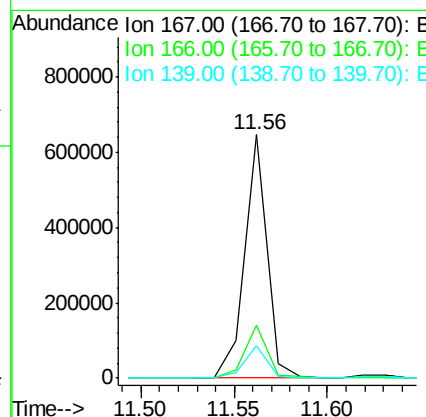
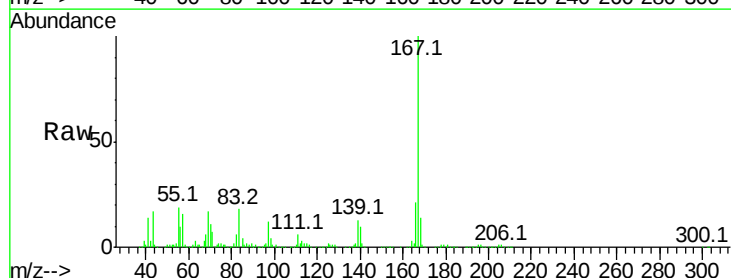
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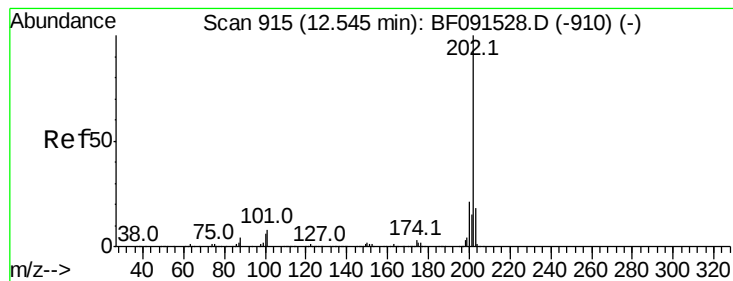
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#72
 Carbazole
 Concen: 12.40 ng
 RT: 11.56 min Scan# 829
 Delta R.T. -0.00 min
 Lab File: BF091569.D
 Acq: 13 Dec 2016 22:15

Tgt Ion:167 Resp: 543613
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.1 27.1
 139 13.5 11.5 17.3





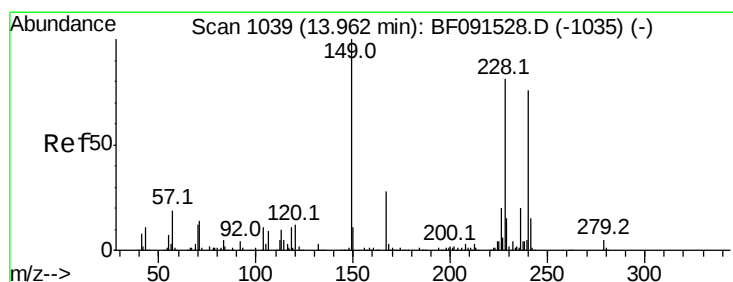
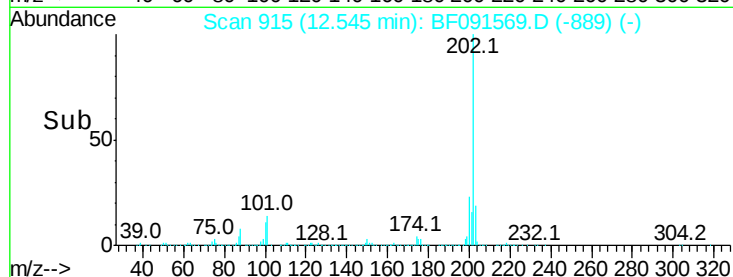
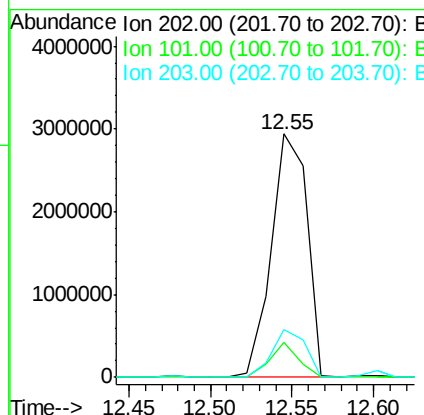
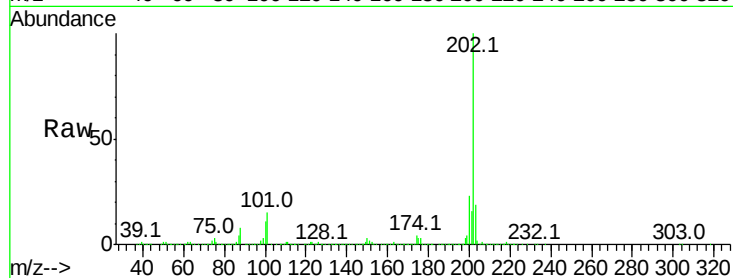
#74
Fluoranthene
Concen: 91.68 ng
RT: 12.55 min Scan# 915
Delta R.T. -0.00 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	29.5
203	19.5	0.0	37.8

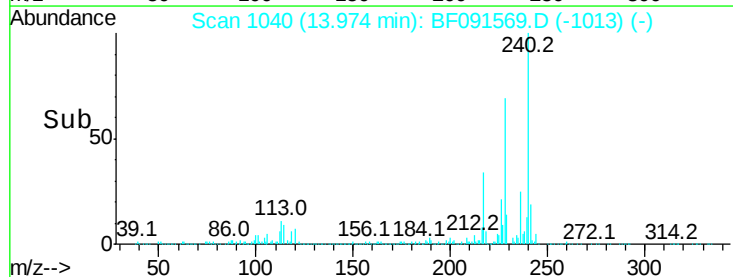
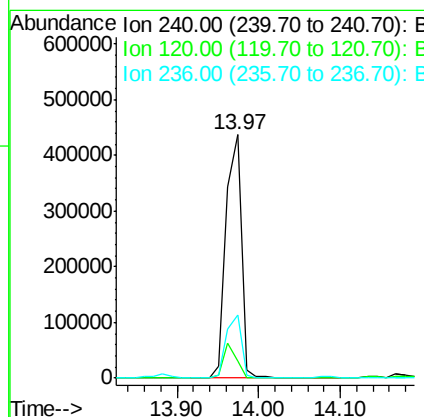
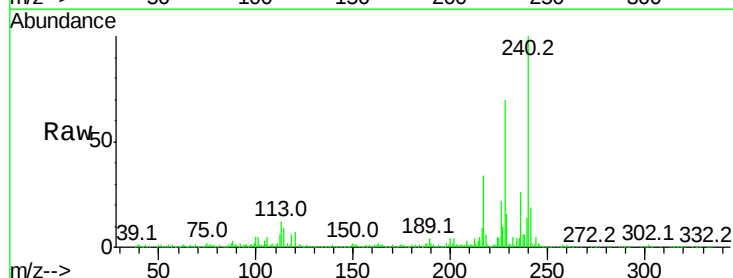
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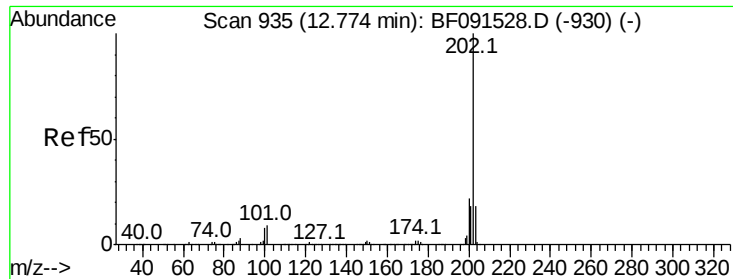
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1040
Delta R.T. 0.01 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.9	12.1	18.1#
236	25.7	21.0	31.6





#77

Pvrene

Concen: 75.71 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.00 min

Lab File: BF091569.D

Acq: 13 Dec 2016 22:15

Instrument :

BNA_F

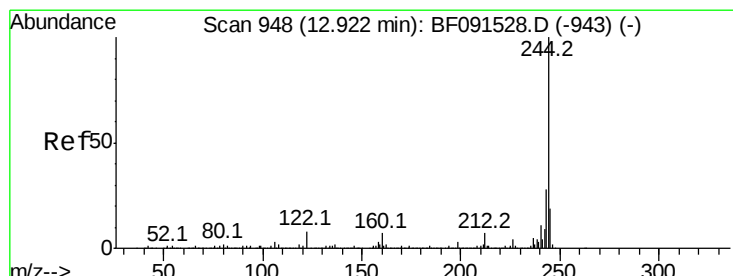
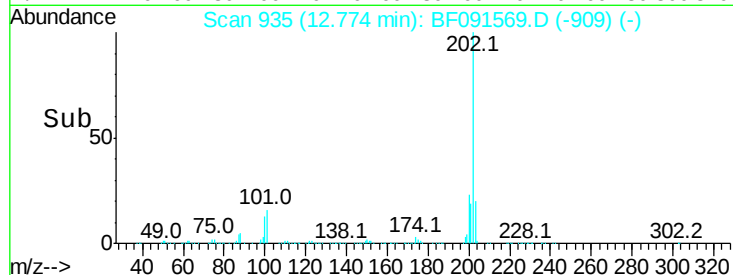
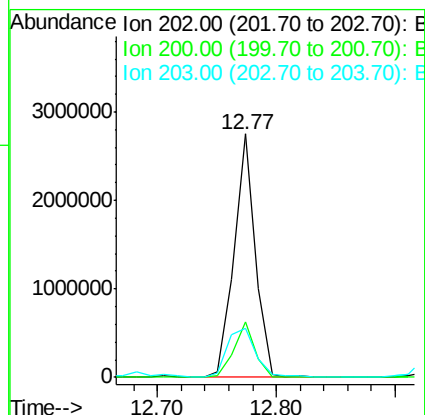
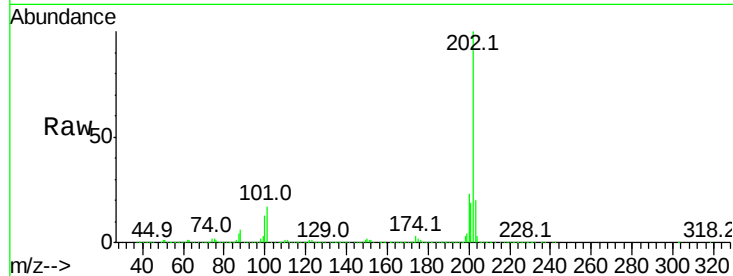
ClientSampleId :

P-21-12-6-16

Tot Ion:	202	Resp:	3406523
Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.6	26.4
203	20.1	14.0	21.0

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#78

Terphenyl-d14

Concen: 87.56 ng

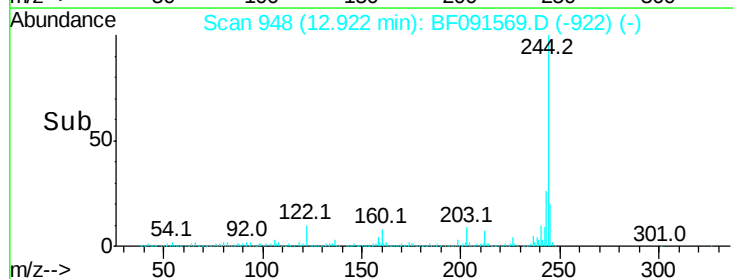
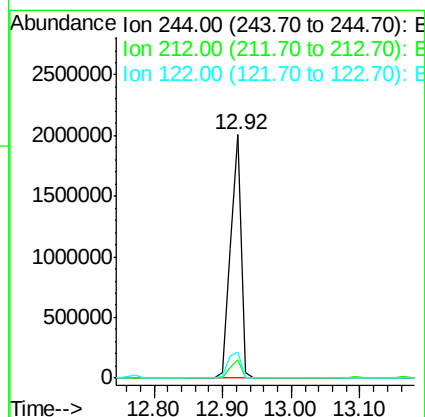
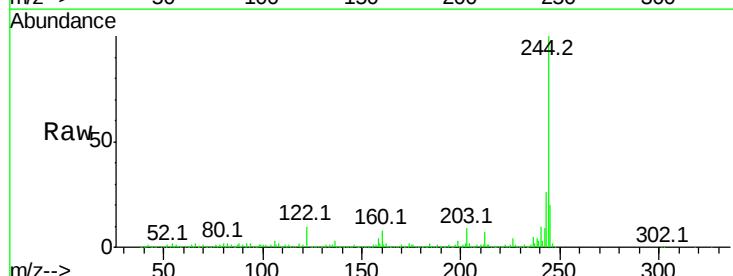
RT: 12.92 min Scan# 948

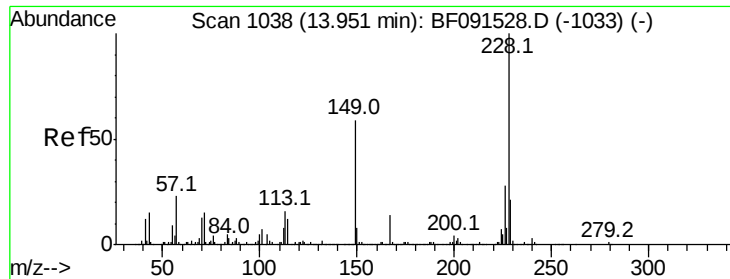
Delta R.T. -0.00 min

Lab File: BF091569.D

Acq: 13 Dec 2016 22:15

Tgt Ion:	244	Resp:	2188526
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.5	9.7
122	10.4	9.5	14.3





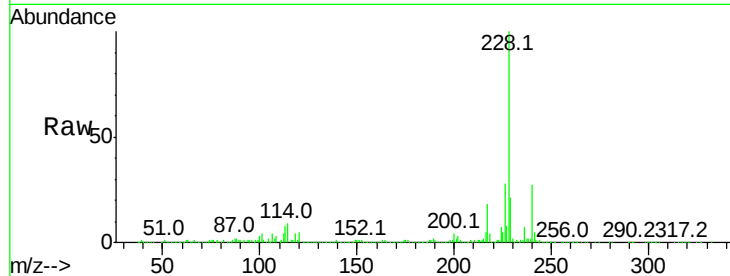
#80
Benzo(a)anthracene
Concen: 60.29 ng
RT: 13.96 min Scan# 1039
Delta R.T. 0.01 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16

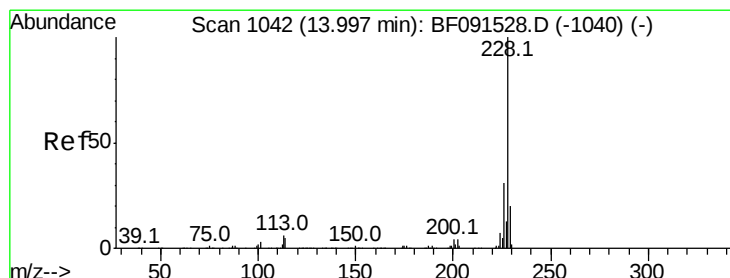
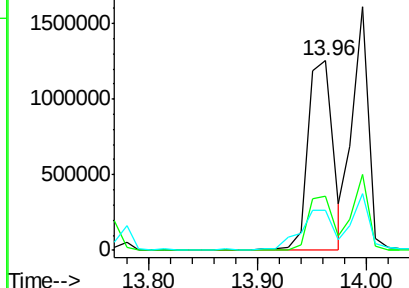
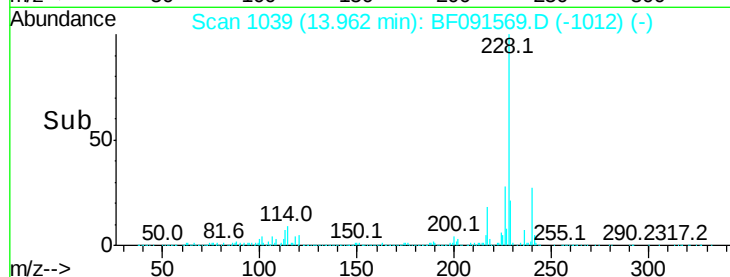
Tot Ion:228 Resp: 1985900
Ion Ratio Lower Upper
228 100
226 28.3 22.5 33.7
229 20.9 16.4 24.6

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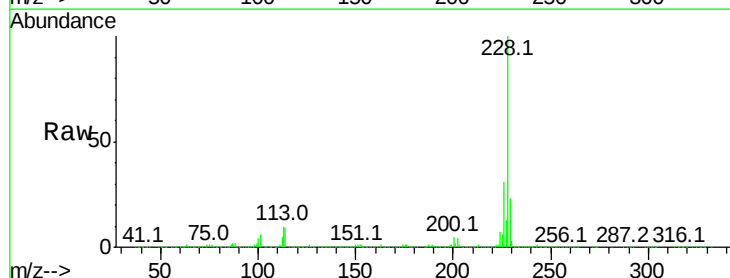


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

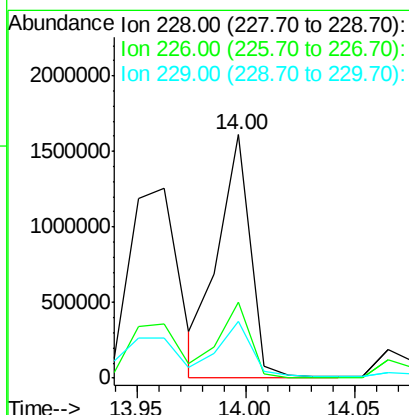
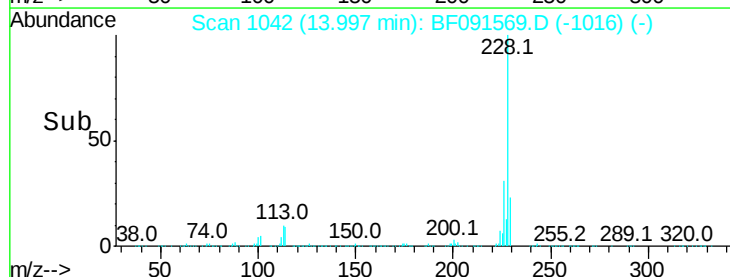


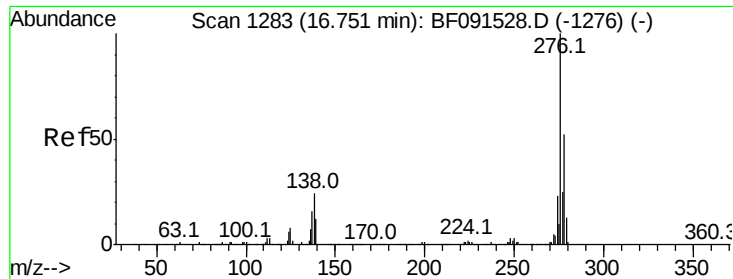
#82
Chrysene
Concen: 47.38 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Tgt Ion:228 Resp: 1632638
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.4
229 23.1 16.0 24.0



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





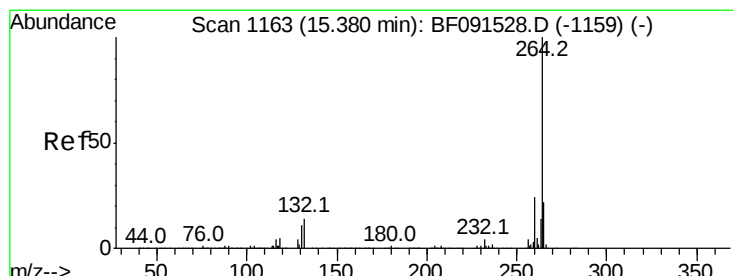
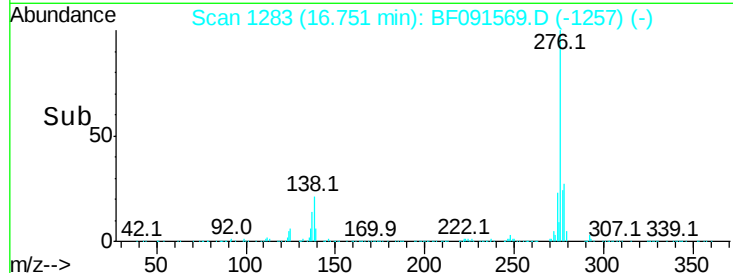
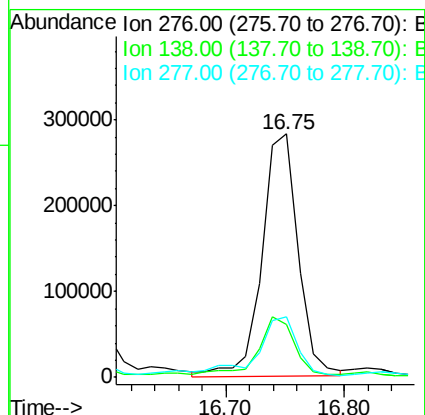
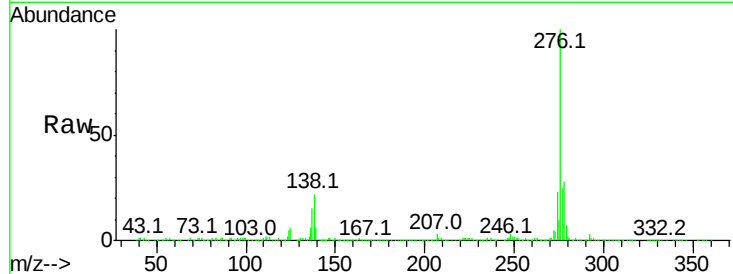
#85
Indeno(1,2,3-cd)pyrene
Concen: 19.23 ng/ml
RT: 16.75 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	4.7	21.0	31.4#
277	4.7	20.2	30.2#

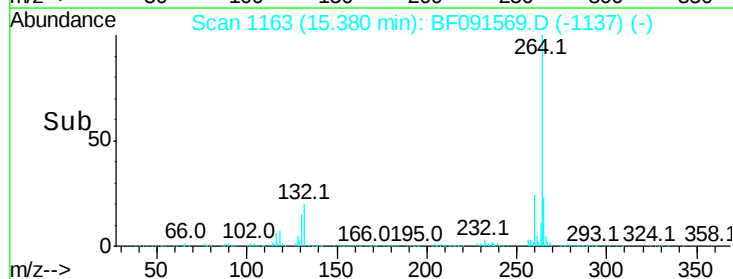
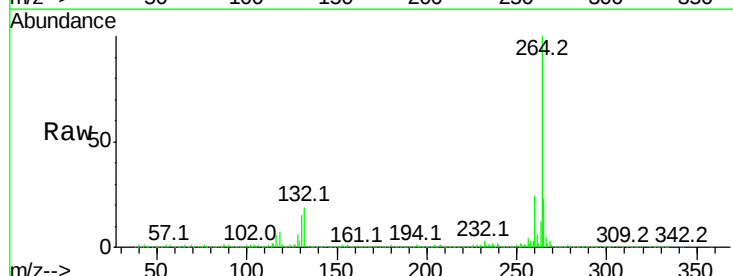
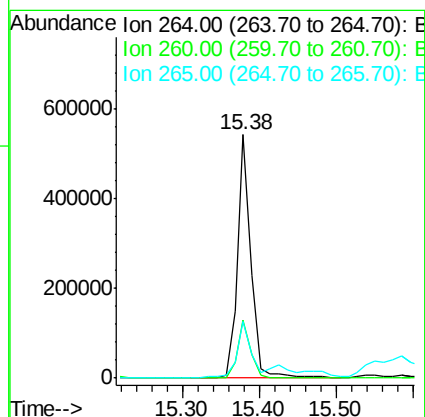
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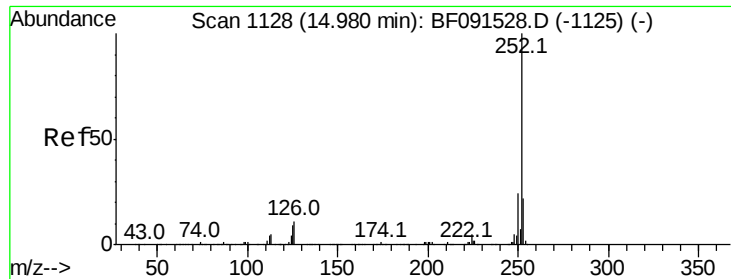
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	18.8	28.2
265	23.1	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 40.72 ng m

RT: 14.98 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BF091569.D

Acq: 13 Dec 2016 22:15

Instrument :

BNA_F

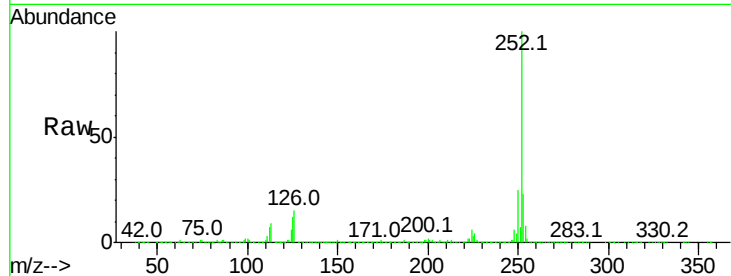
ClientSampleId :

P-21-12-6-16

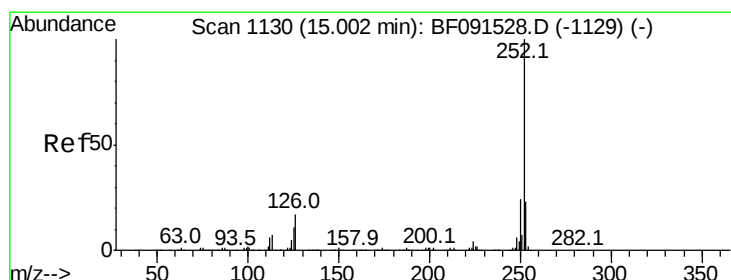
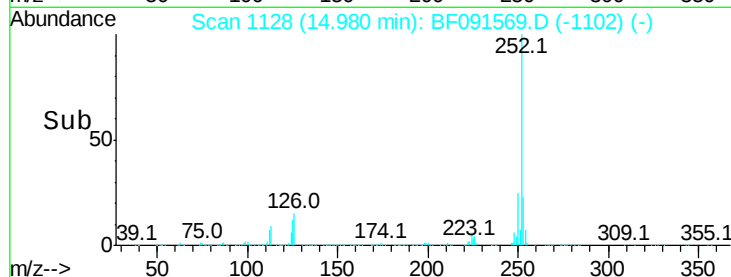
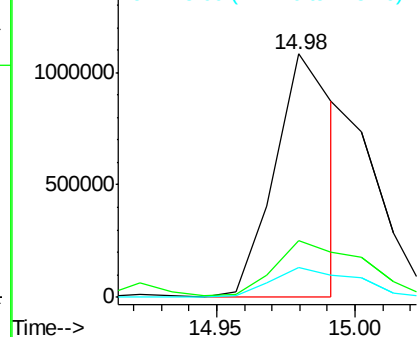
Tot Ion:	252	Resp:	1634812
Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	12.2	8.6	13.0

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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: 20.95 ng m

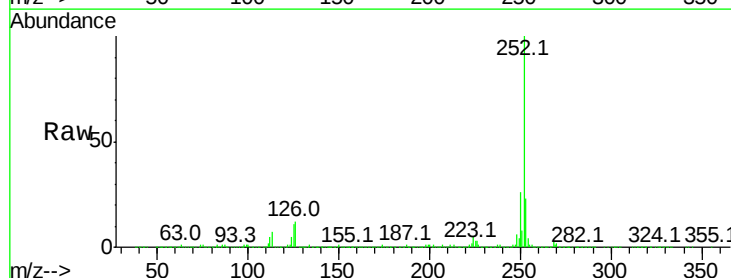
RT: 14.99 min Scan# 1129

Delta R.T. -0.01 min

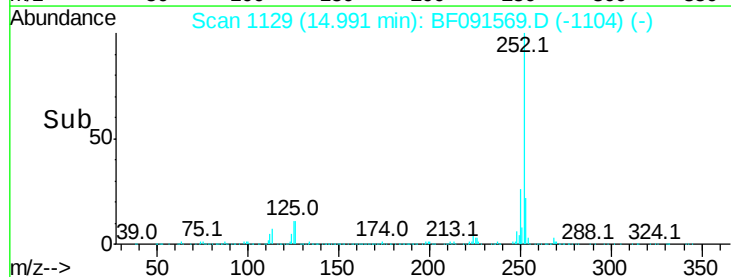
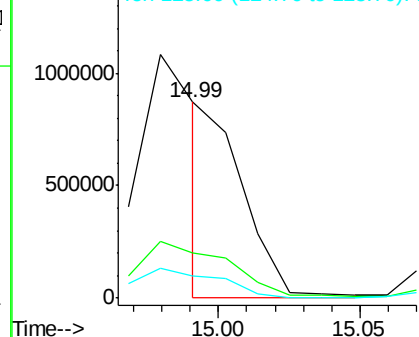
Lab File: BF091569.D

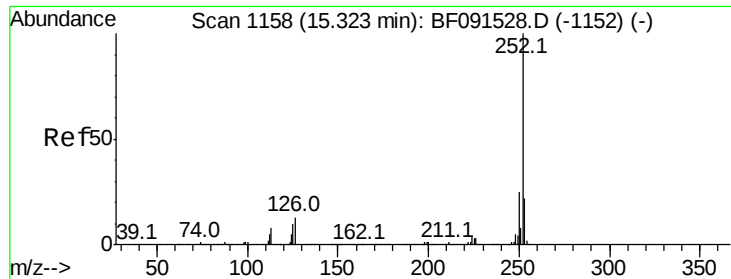
Acq: 13 Dec 2016 22:15

Tgt Ion:	252	Resp:	739433
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	11.3	9.6	14.4



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





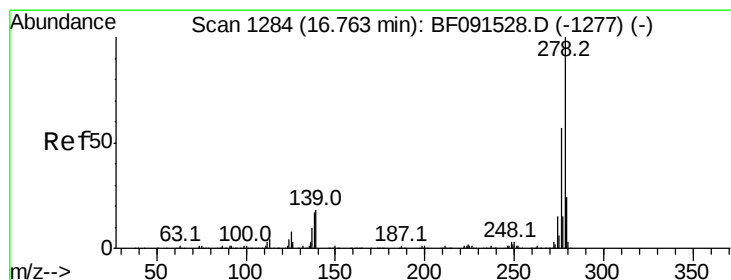
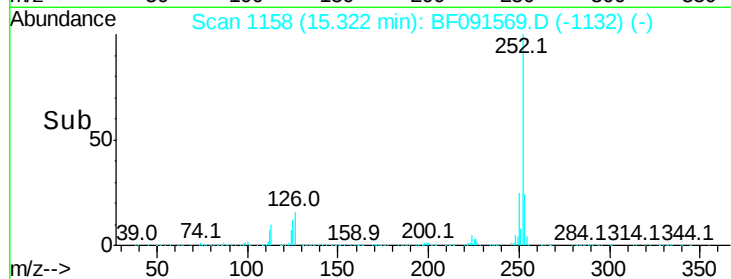
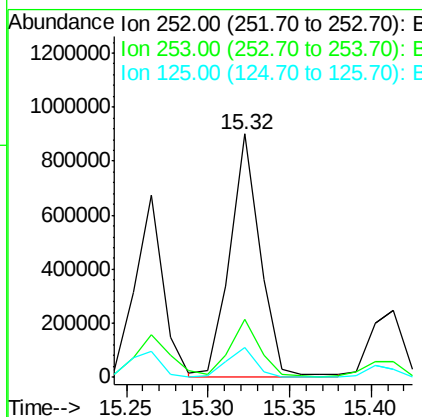
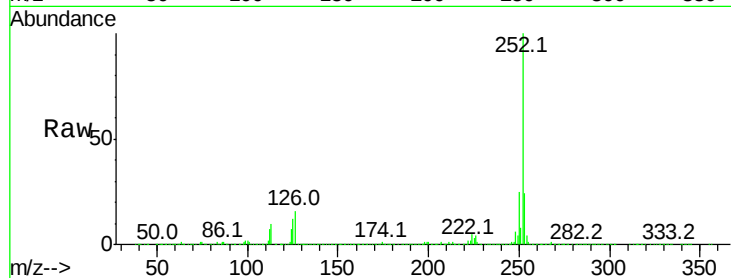
#89
Benzo(a)pyrene
Concen: 31.46 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	12.4	10.4	15.6

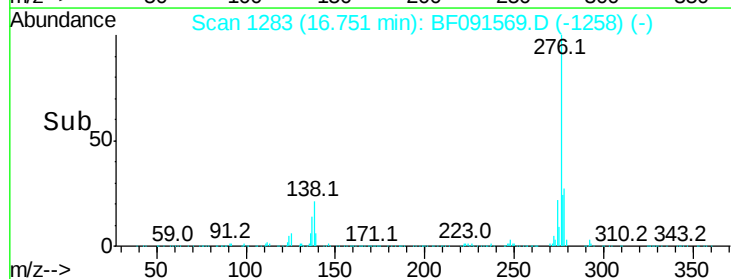
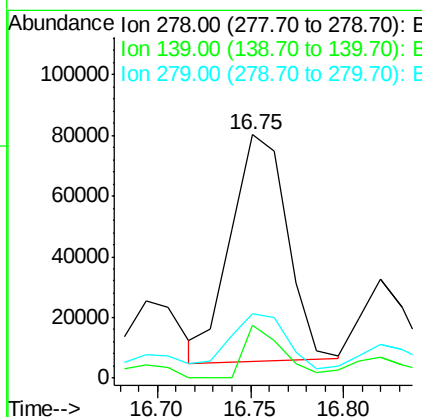
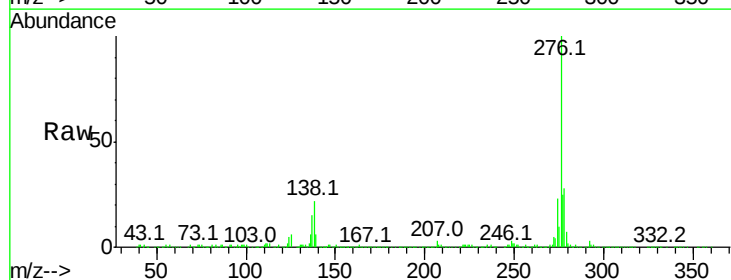
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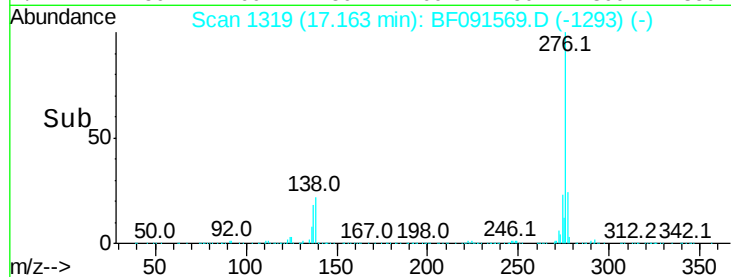
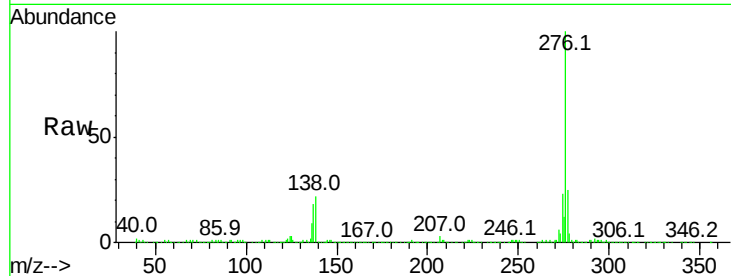
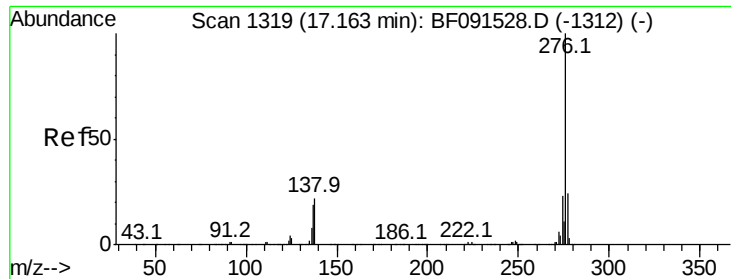
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#90
Dibenzo(a,h)anthracene
Concen: 4.85 ng
RT: 16.75 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF091569.D
Acq: 13 Dec 2016 22:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.8	15.1	22.7
279	26.5	19.0	28.6





#91

Benzo(a,h,i)perylene

Concen: 15.20 ng

RT: 17.16 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF091569.D

Acq: 13 Dec 2016 22:15

Instrument :

BNA_F

ClientSampleId :

P-21-12-6-16

Tot Ion:	276	Resp:	501146
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.0	28.4
138	22.0	15.4	23.0

Manual Integrations
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