

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081716\
 Data File : BF089780.D
 Acq On : 17 Aug 2016 22:59
 Operator : UM/SJ
 Sample : H4490-10
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 670-UNDERCLIFF-5

Manual Integrations
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Quant Time: Aug 18 09:25:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	545803	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	2084700	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1001108	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	1769500	20.00	ng	0.00
75) Chrysene-d12	13.86	240	1209283	20.00	ng	-0.03
86) Perylene-d12	15.33	264	1120543	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	3077675	94.08	ng	0.00
7) Phenol-d6	6.33	99	3869266	92.99	ng	0.00
23) Nitrobenzene-d5	7.27	82	2717048	79.58	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	1025024	105.84	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	4405908	70.62	ng	-0.01
78) Terphenyl-d14	12.80	244	3394330	83.86	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.46	163	2463042	34.00	ng	99
70) Phenanthrene	11.23	178	201222	2.31	ng	98
74) Fluoranthene	12.41	202	743278	8.51	ng	94
77) Pyrene	12.64	202	1128041	14.25	ng	98
80) Benzo(a)anthracene	13.85	228	495721	7.06	ng	95
82) Chrysene	13.89	228	550320	8.70	ng	97
83) Bis(2-ethylhexyl)phthalate	13.87	149	165541	3.15	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.62	276	219645	4.08	ng	94
87) Benzo(b)fluoranthene	14.94	252	536794m	7.56	ng	
89) Benzo(a)pyrene	15.21	252	256853	4.38	ng	97
91) Benzo(g,h,i)perylene	16.99	276	245276	5.22	ng	97

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

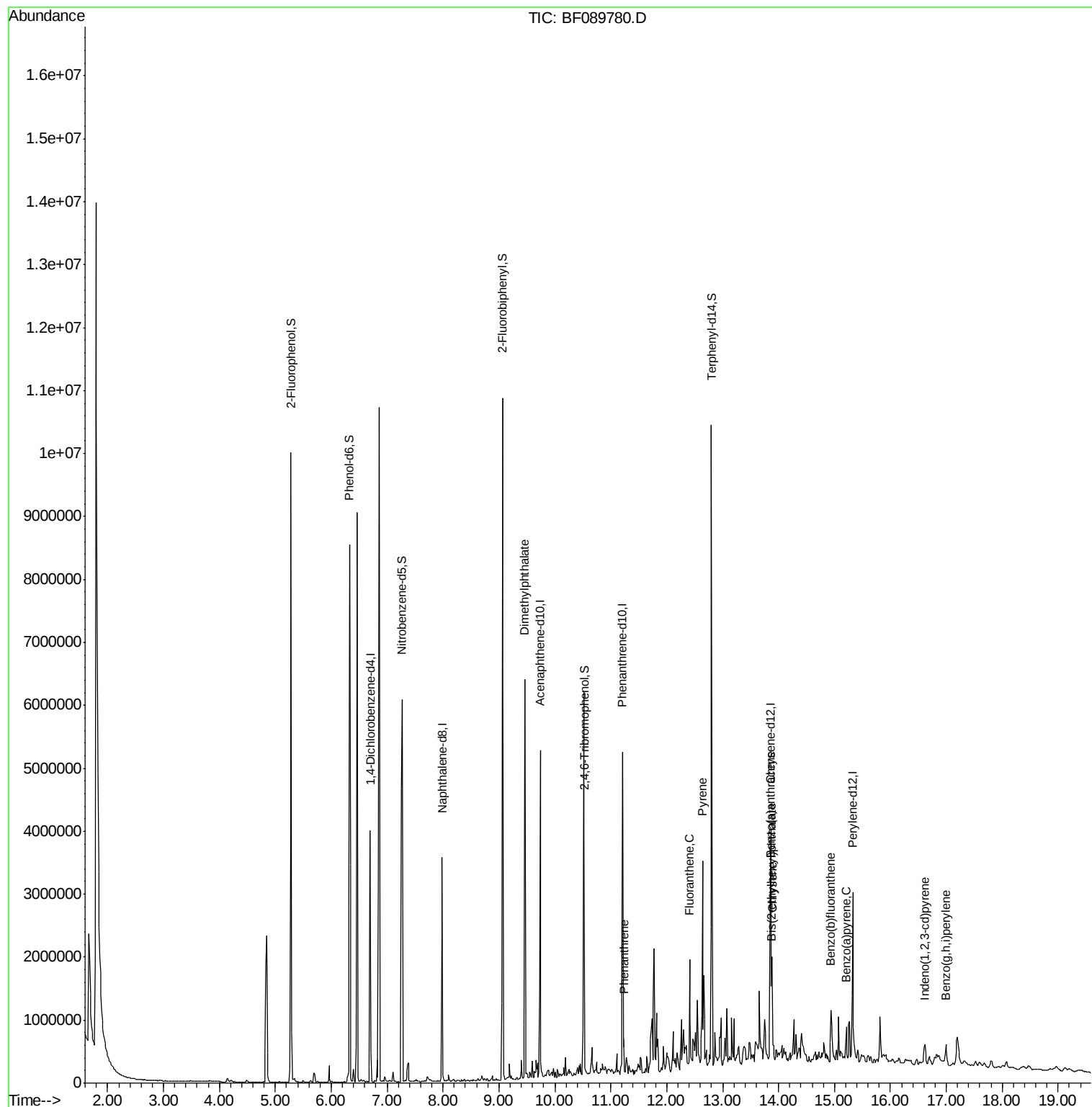
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081716\
Data File : BF089780.D
Acq On : 17 Aug 2016 22:59
Operator : UM/SJ
Sample : H4490-10
Misc :
ALS Vial : 51 Sample Multiplier: 1

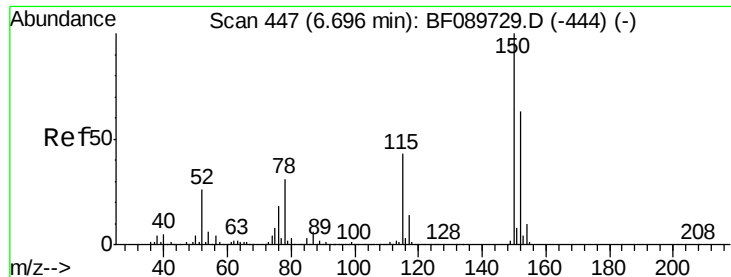
Instrument :
BNA_F
ClientSampleId :
670-UNDERCLIFF-5

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Quant Time: Aug 18 09:25:03 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

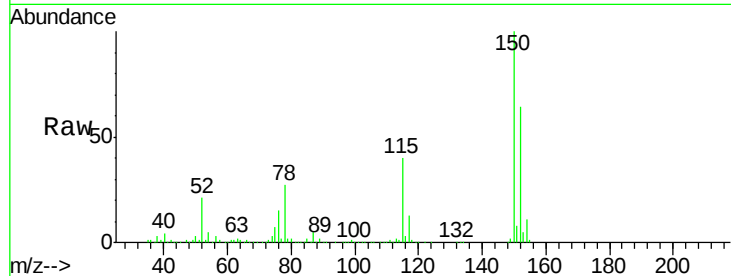
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF089780.D
Acq: 17 Aug 2016 22:59

Instrument :
BNA_F
ClientSampleId :
670-UNDERCLIFF-5

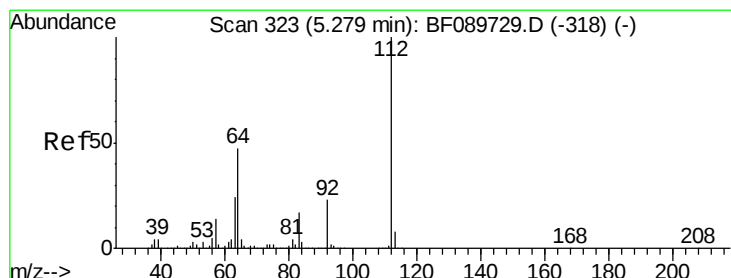
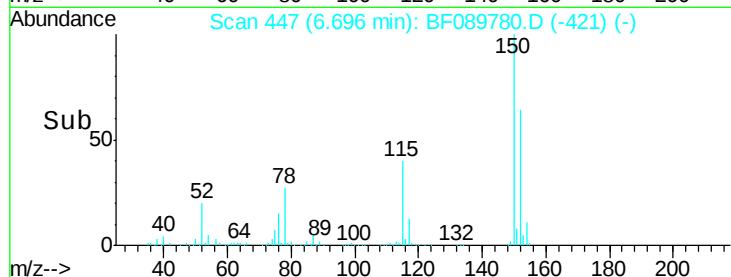
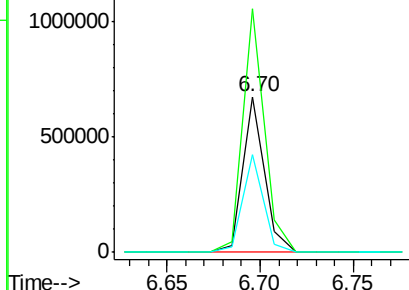
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.3	187.9
115	63.1	40.9	61.3

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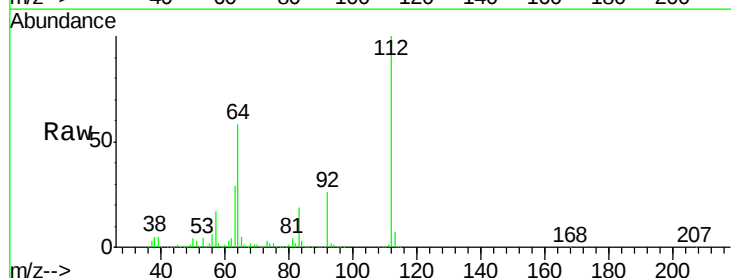
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



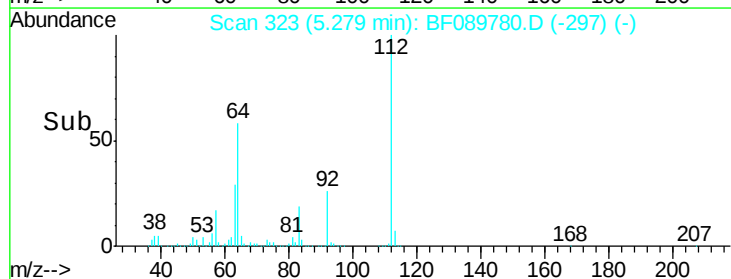
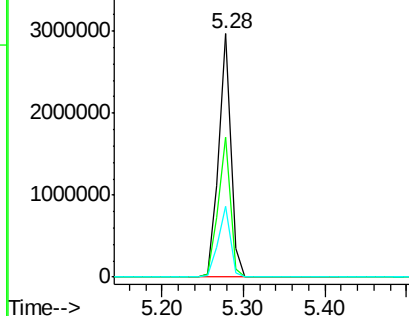
#5

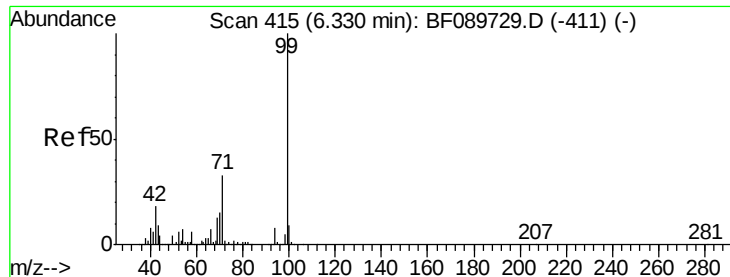
2-Fluorophenol
Concen: 94.08 ng
RT: 5.28 min Scan# 323
Delta R.T. 0.00 min
Lab File: BF089780.D
Acq: 17 Aug 2016 22:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	45.0	67.4
63	29.3	23.1	34.7



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: 92.99 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF089780.D

Acq: 17 Aug 2016 22:59

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-5

Tot Ion: 99 Resp: 3869266

Ion Ratio Lower Upper

99 100

42 16.2 12.2 18.4

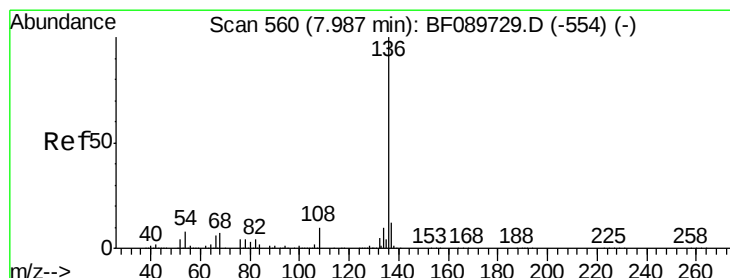
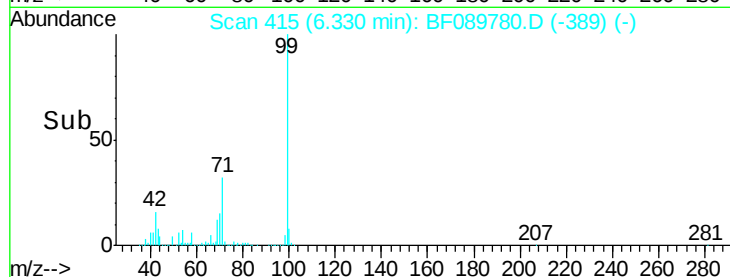
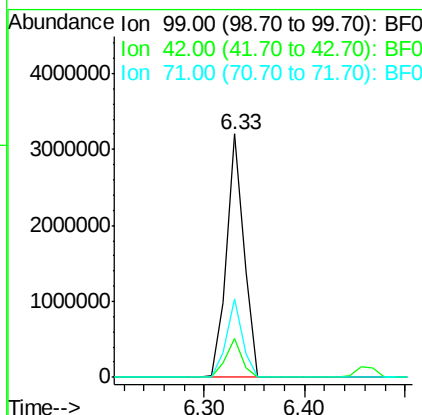
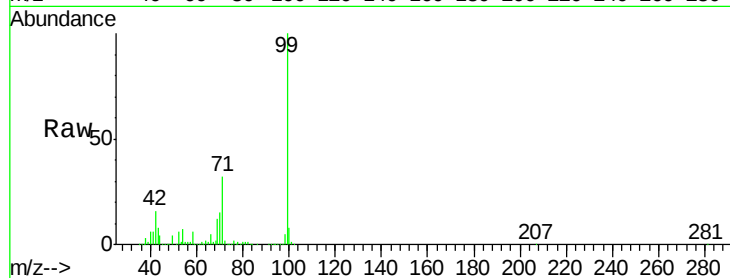
71 32.1 23.8 35.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF089780.D

Acq: 17 Aug 2016 22:59

Tgt Ion: 136 Resp: 2084700

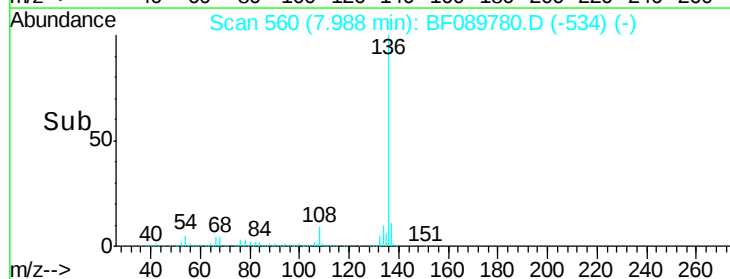
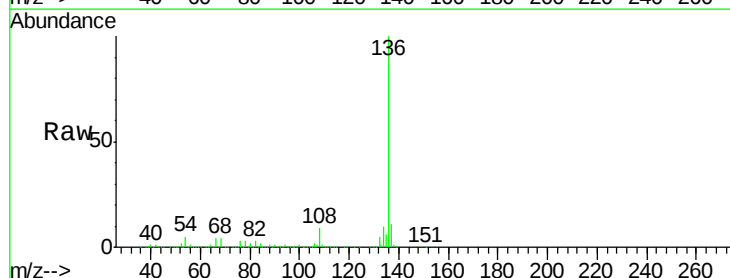
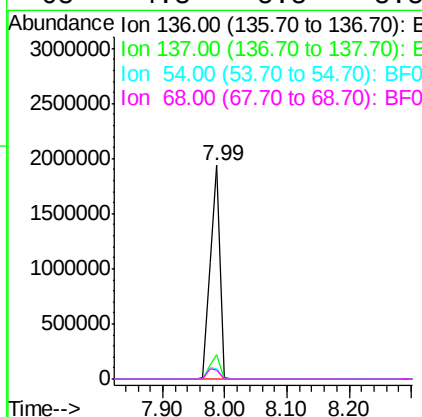
Ion Ratio Lower Upper

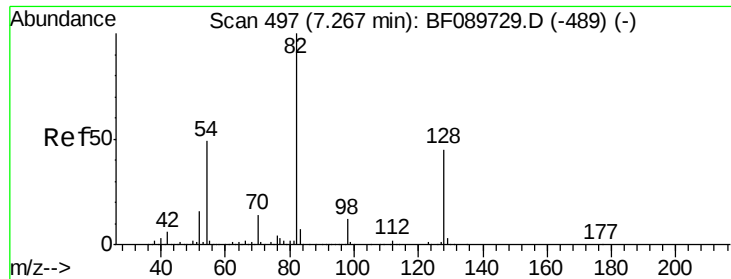
136 100

137 11.2 9.2 13.8

54 4.6 7.2 10.8#

68 4.3 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 79.58 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.00 min

Lab File: BF089780.D

Acq: 17 Aug 2016 22:59

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-5

Tot Ion: 82 Resp: 2717048

Ion Ratio Lower Upper

82 100

128 55.8 34.4 51.6#

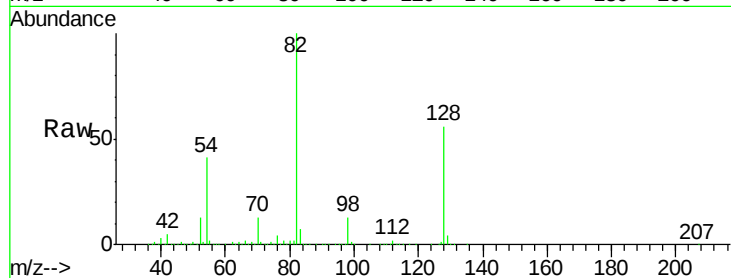
54 40.9 40.3 60.5

Manual Integrations

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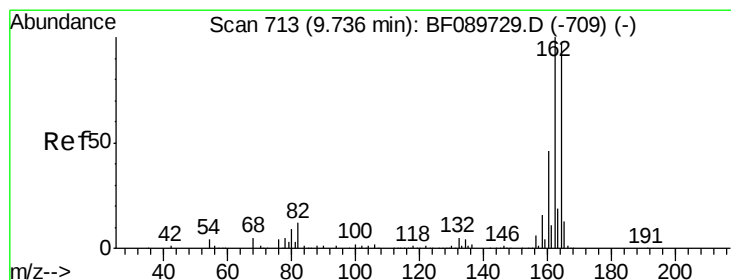
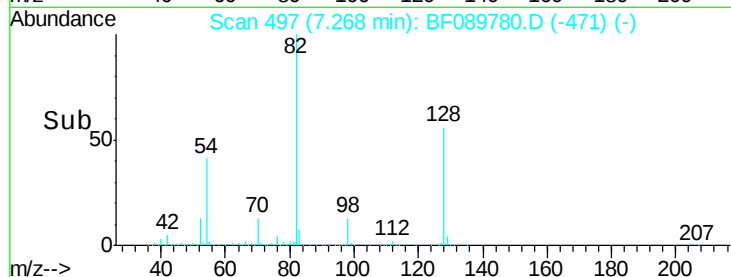
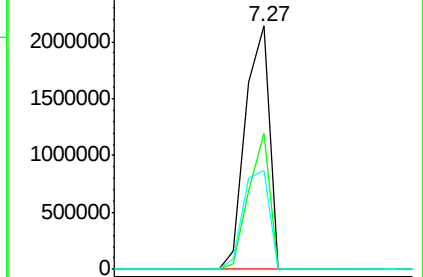
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF089780.D

Acq: 17 Aug 2016 22:59

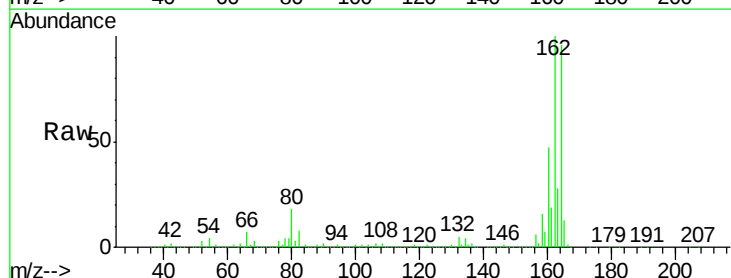
Tgt Ion:164 Resp: 1001108

Ion Ratio Lower Upper

164 100

162 104.1 81.4 122.2

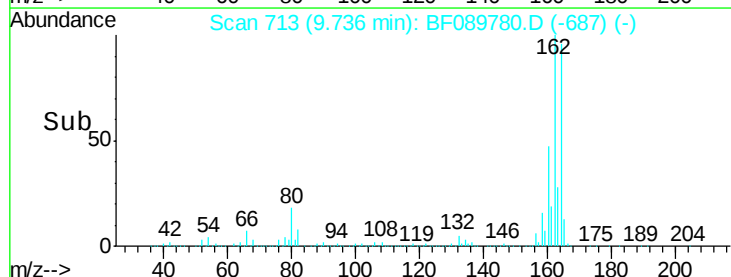
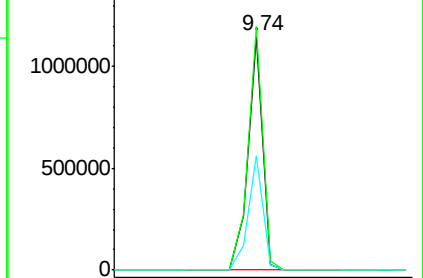
160 48.9 37.8 56.6

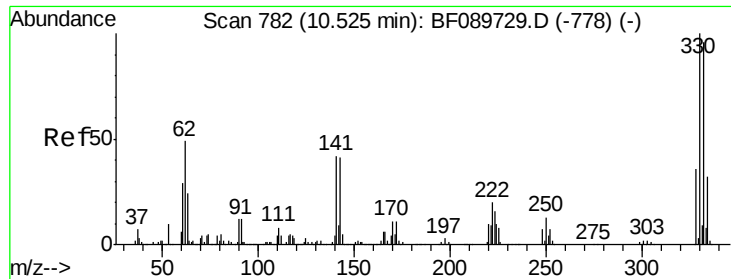


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





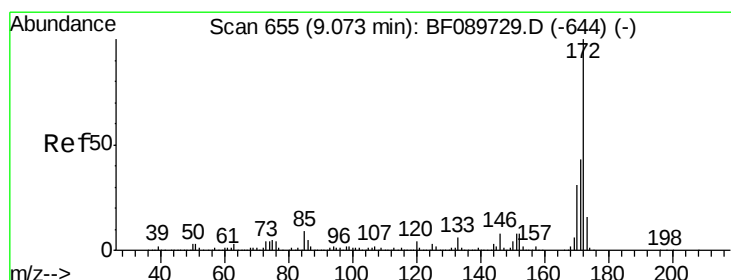
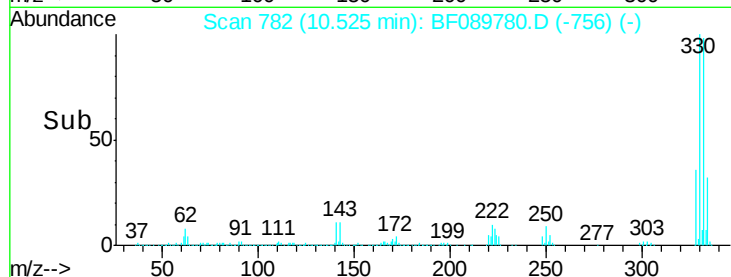
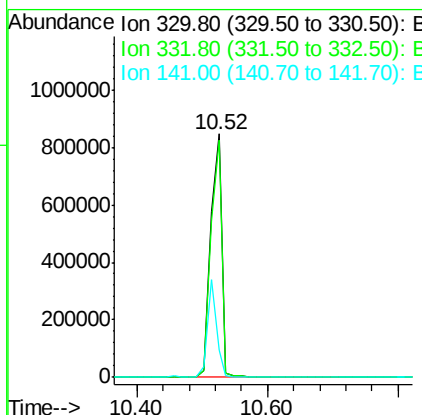
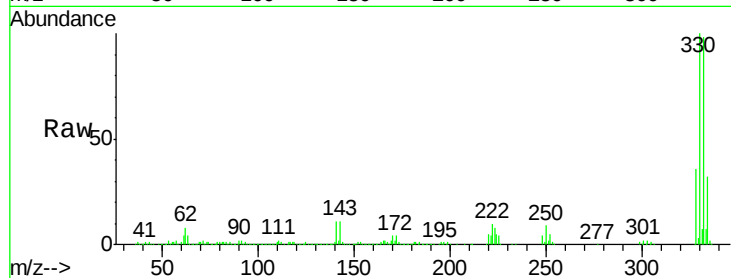
#41
 2,4,6-Tribromophenol
 Concen: 105.84 ng
 RT: 10.52 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: BF089780.D
 Acq: 17 Aug 2016 22:59

Instrument :
 BNA_F
 ClientSampleId :
 670-UNDERCLIFF-5

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.7	115.1
141	32.1	30.2	45.2

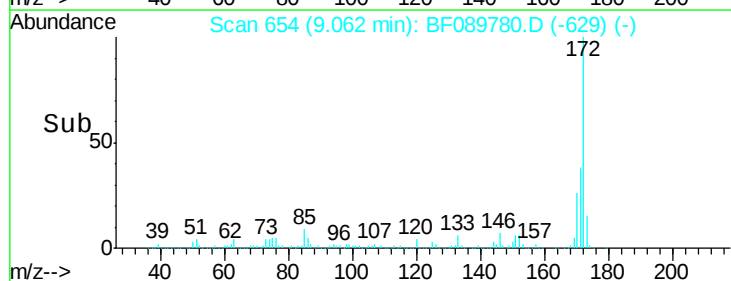
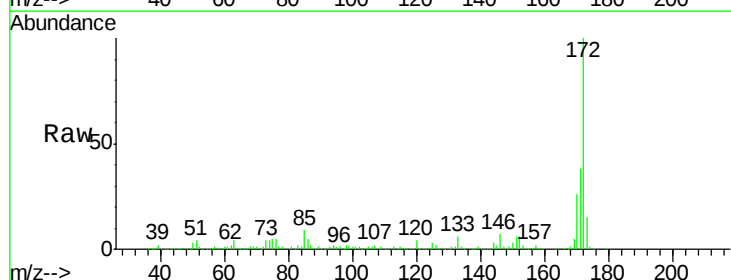
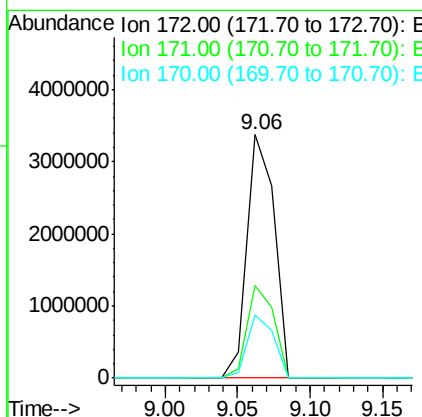
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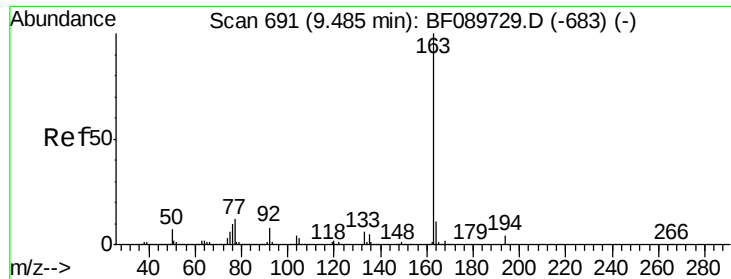
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#44
 2-Fluorobiphenyl
 Concen: 70.62 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF089780.D
 Acq: 17 Aug 2016 22:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.5	45.7
170	26.2	20.6	31.0





#49

Dimethylphthalate

Concen: 34.00 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF089780.D

Acq: 17 Aug 2016 22:59

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-5

Tot Ion:163 Resp: 2463042

Ion Ratio Lower Upper

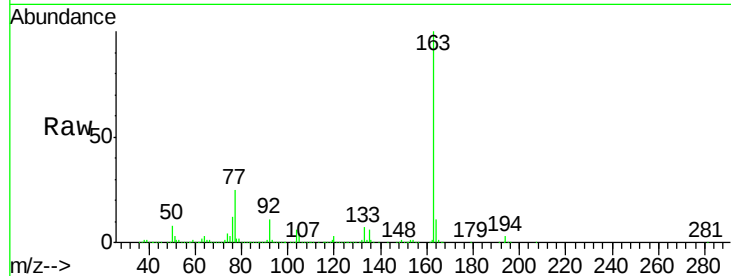
163 100

194 3.2 2.6 3.8

164 11.3 8.6 12.8

Manual Integrations
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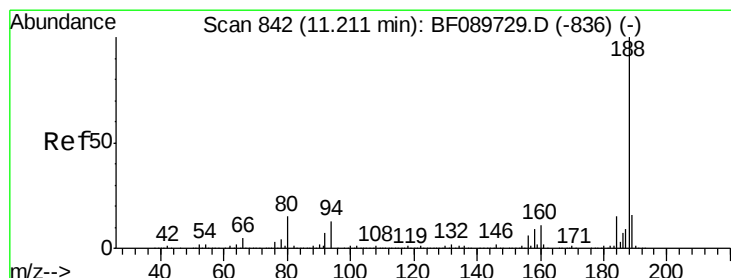
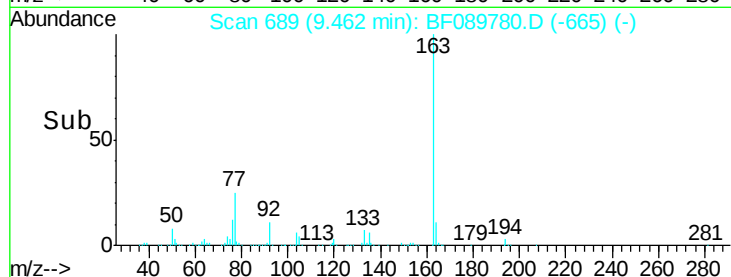
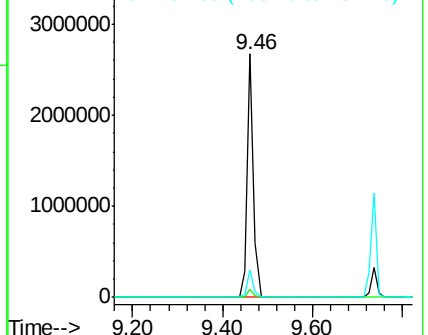
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Abundance Ion 163.00 (162.70 to 163.70): E

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: 11.21 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF089780.D

Acq: 17 Aug 2016 22:59

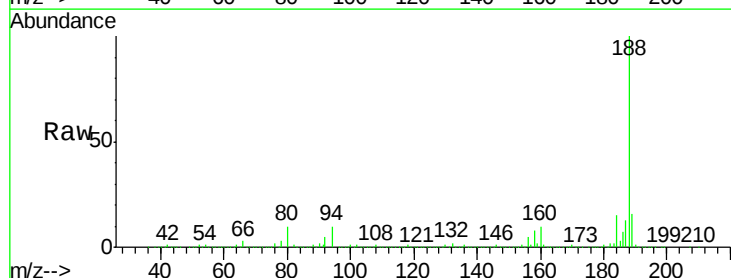
Tgt Ion:188 Resp: 1769500

Ion Ratio Lower Upper

188 100

94 9.7 10.2 15.2#

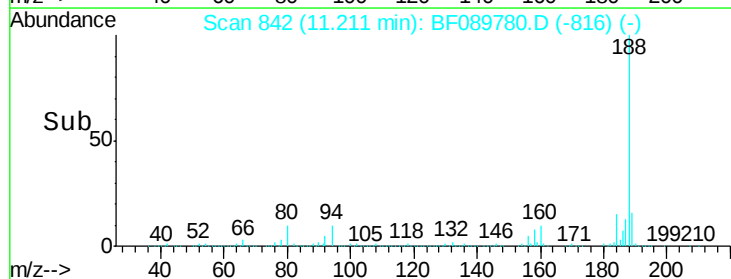
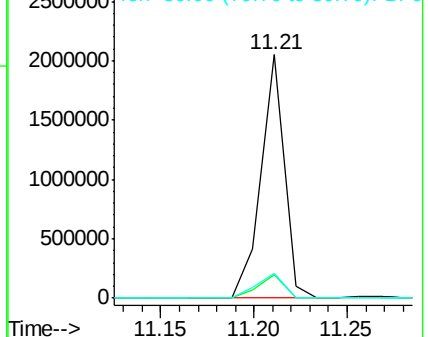
80 10.0 10.9 16.3#

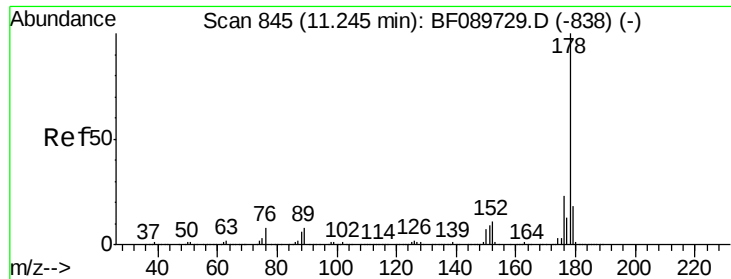


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





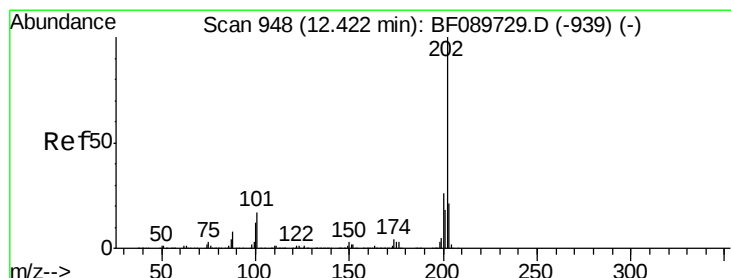
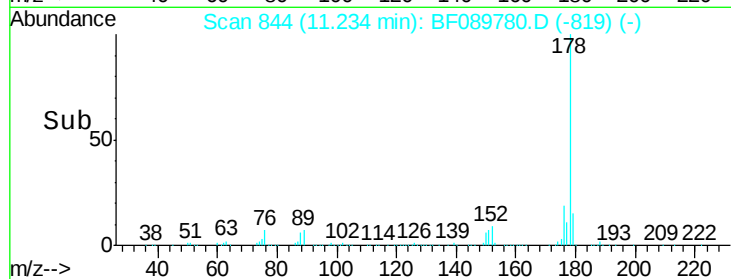
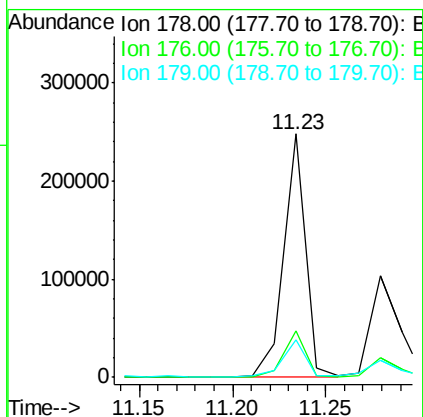
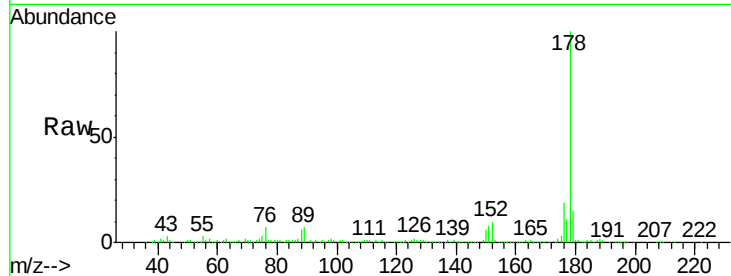
#70
Phenanthrene
Concen: 2.31 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF089780.D
Acq: 17 Aug 2016 22:59

Instrument :
BNA_F
ClientSampleId :
670-UNDERCLIFF-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.4	24.6
179	15.4	12.5	18.7

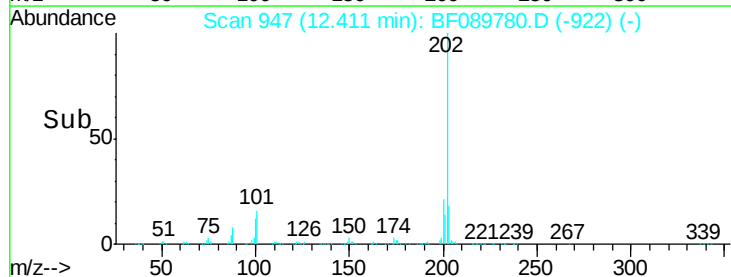
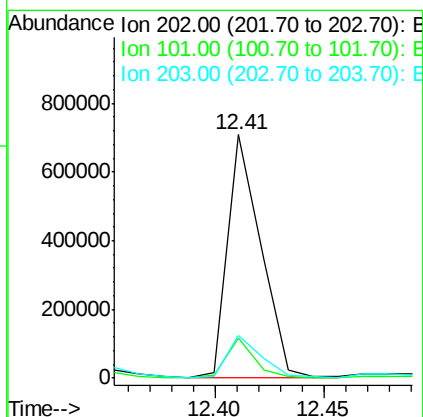
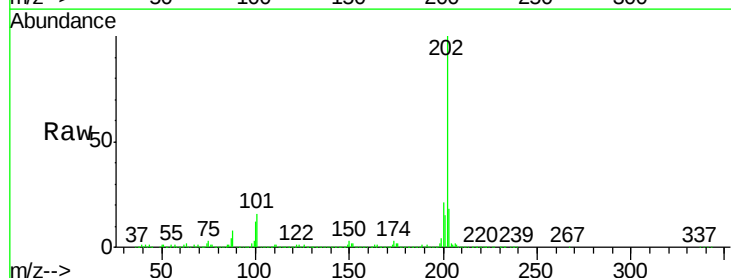
Manual Integrations
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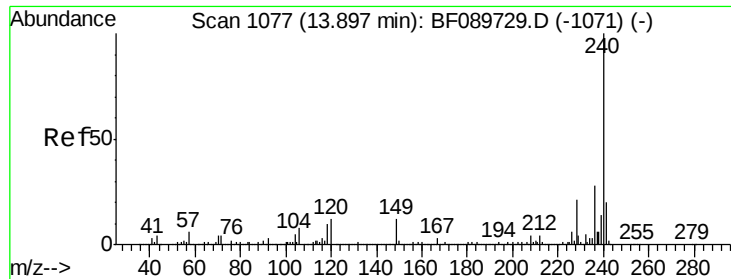
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#74
Fluoranthene
Concen: 8.51 ng
RT: 12.41 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF089780.D
Acq: 17 Aug 2016 22:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.4	0.0	31.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.03 min

Lab File: BF089780.D

Acq: 17 Aug 2016 22:59

Instrument :

BNA_F

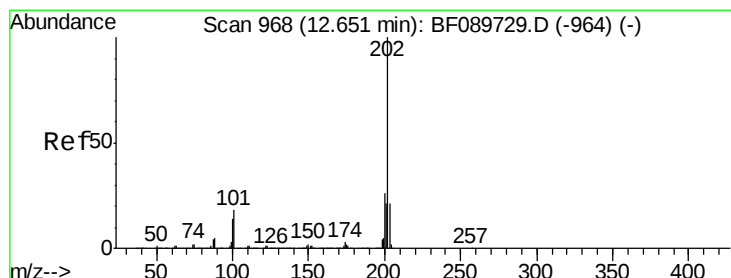
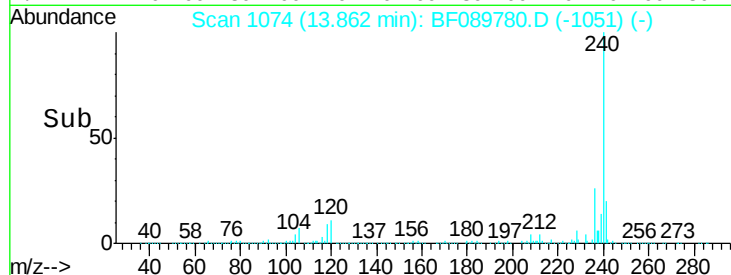
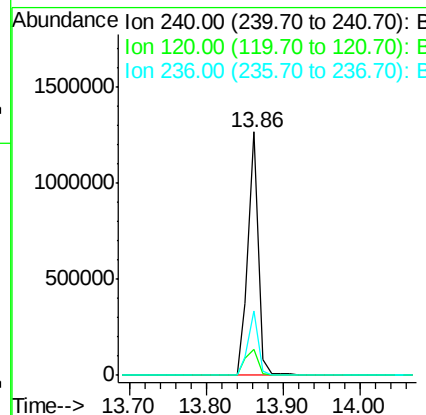
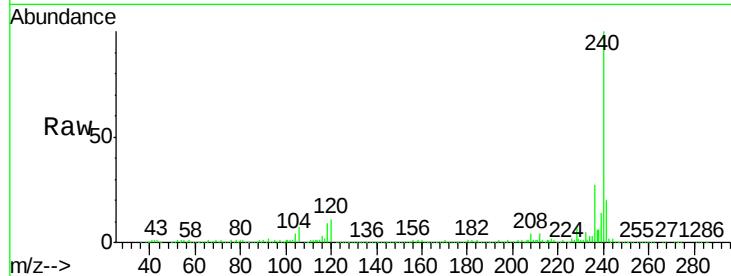
ClientSampleId :

670-UNDERCLIFF-5

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.3	12.5
236	26.6	21.3	31.9

Manual Integrations
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#77

Pyrene

Concen: 14.25 ng

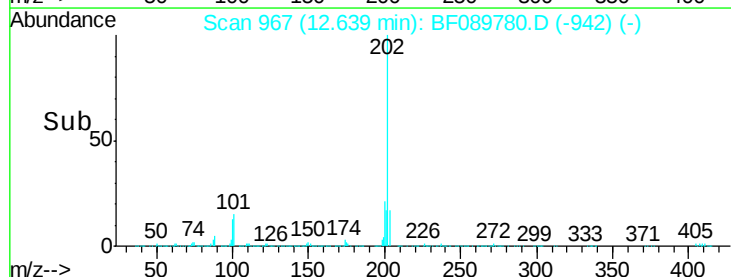
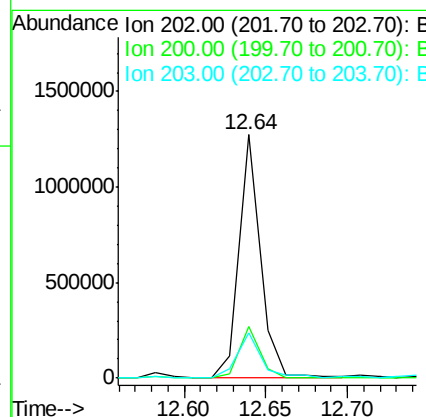
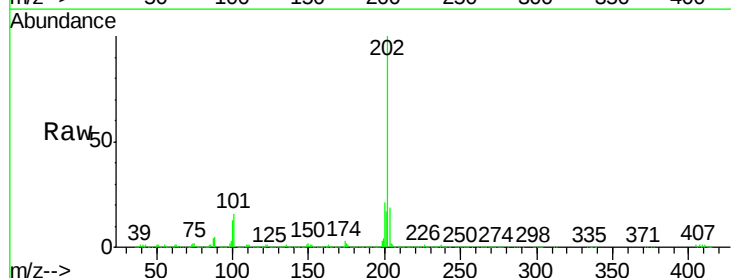
RT: 12.64 min Scan# 967

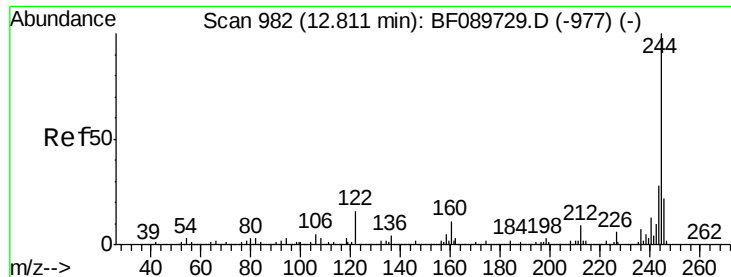
Delta R.T. -0.01 min

Lab File: BF089780.D

Acq: 17 Aug 2016 22:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.6
203	18.7	14.2	21.4





#78

Terphenyl-d14

Concen: 83.86 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.01 min

Lab File: BF089780.D

Acq: 17 Aug 2016 22:59

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-5

Tot Ion:244 Resp: 3394330

Ion Ratio Lower Upper

244 100

212 8.5 6.3 9.5

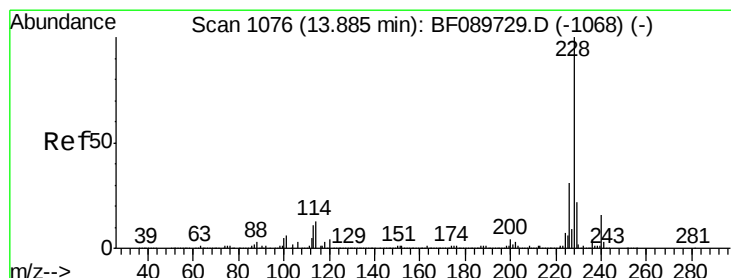
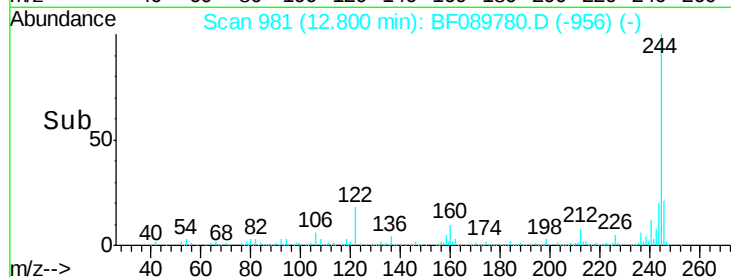
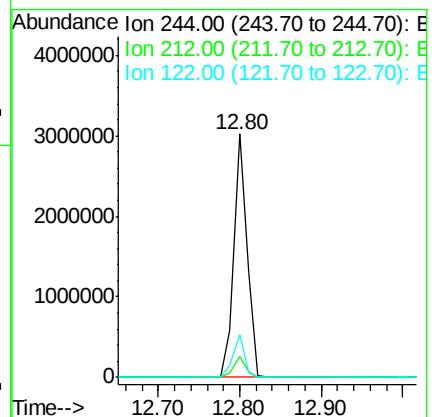
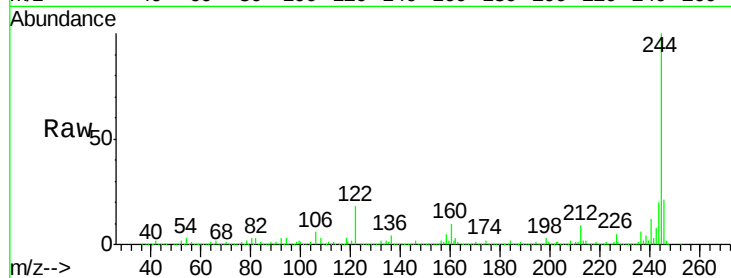
122 17.7 12.0 18.0

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#80

Benzo(a)anthracene

Concen: 7.06 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.03 min

Lab File: BF089780.D

Acq: 17 Aug 2016 22:59

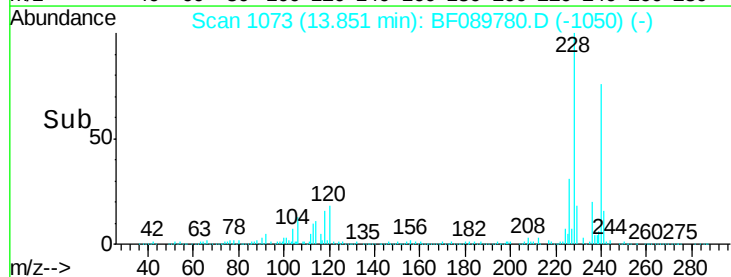
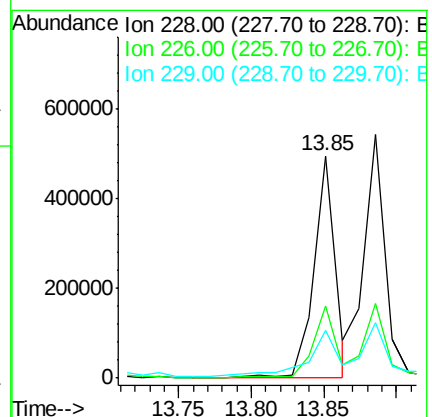
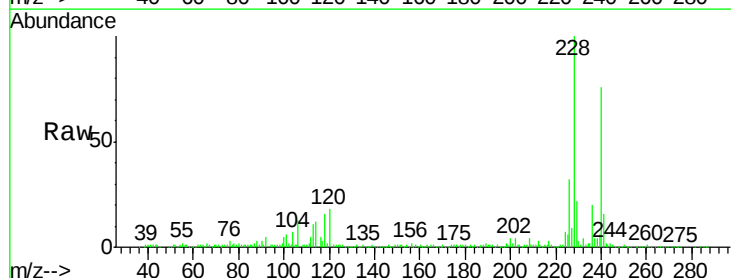
Tgt Ion:228 Resp: 495721

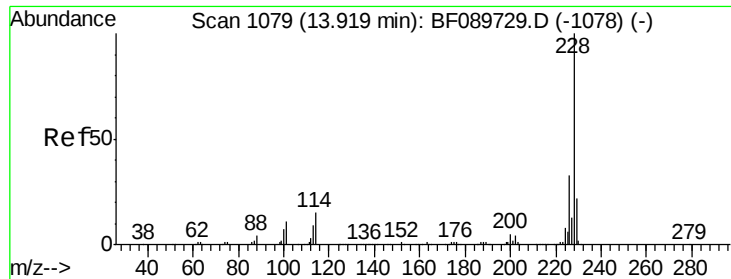
Ion Ratio Lower Upper

228 100

226 32.5 23.2 34.8

229 21.6 16.2 24.4





#82

Chrysene

Concen: 8.70 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.03 min

Lab File: BF089780.D

Acq: 17 Aug 2016 22:59

Instrument :

BNA_F

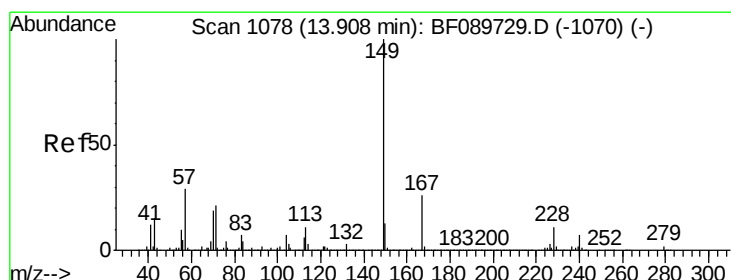
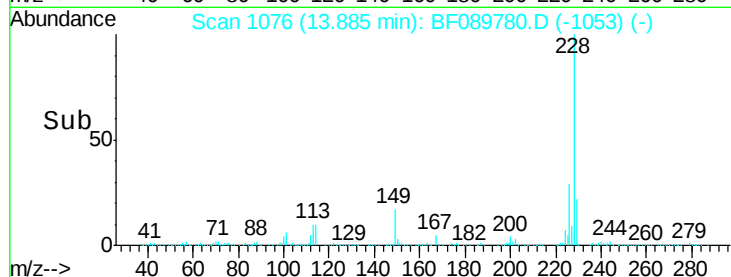
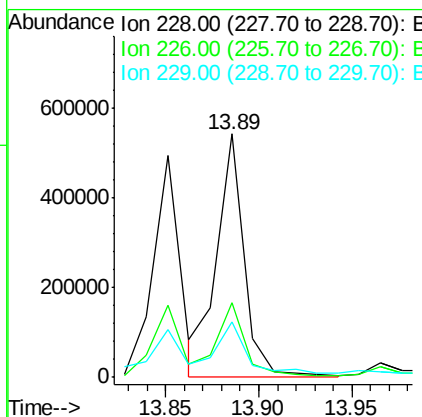
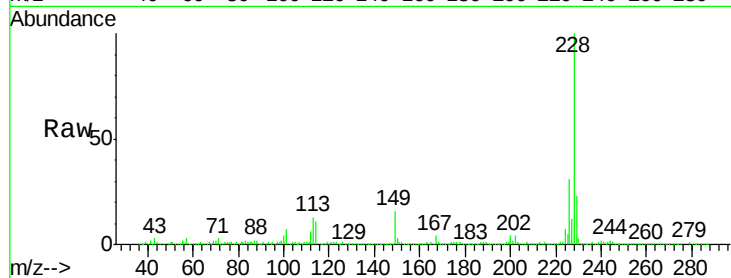
ClientSampleId :

670-UNDERCLIFF-5

Tot Ion:	228	Resp:	550320
Ion Ratio		Lower	Upper
228	100		
226	30.7	25.4	38.0
229	22.8	16.5	24.7

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.15 ng

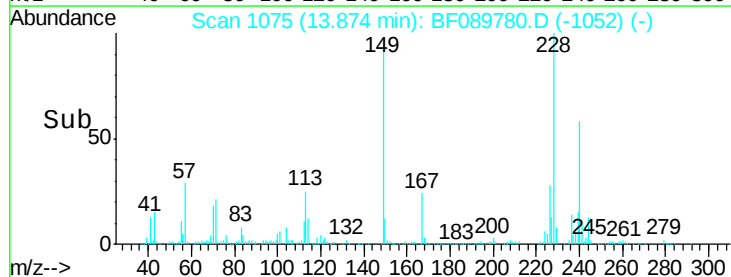
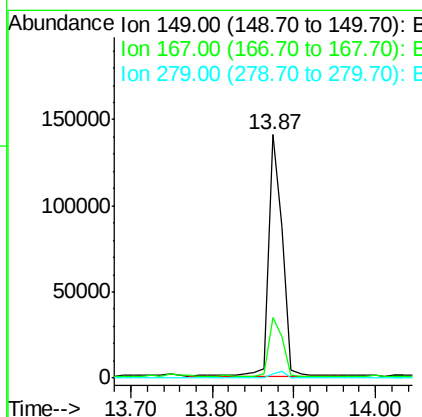
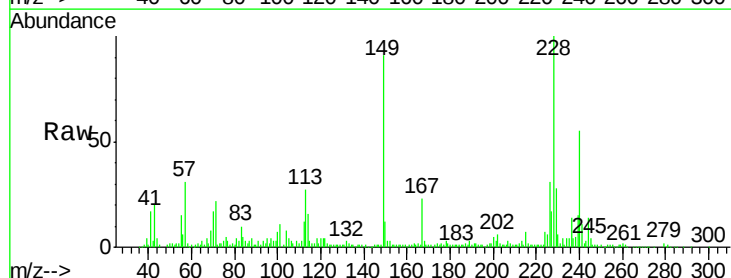
RT: 13.87 min Scan# 1075

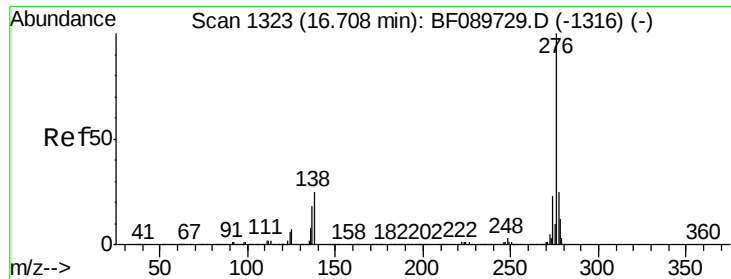
Delta R.T. -0.03 min

Lab File: BF089780.D

Acq: 17 Aug 2016 22:59

Tgt Ion:	149	Resp:	165541
Ion Ratio		Lower	Upper
149	100		
167	24.8	21.2	31.8
279	1.8	2.9	4.3#





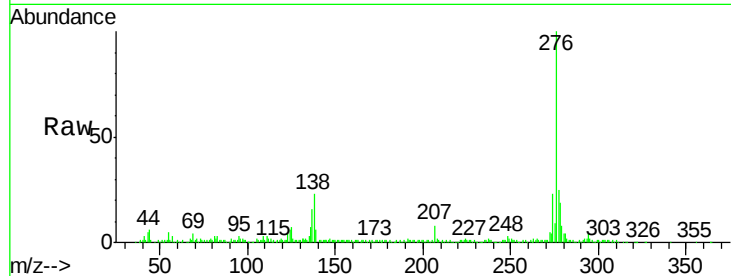
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.08 ng
RT: 16.62 min Scan# 1315
Delta R.T. -0.09 min
Lab File: BF089780.D
Acq: 17 Aug 2016 22:59

Instrument :
BNA_F
ClientSampleId :
670-UNDERCLIFF-5

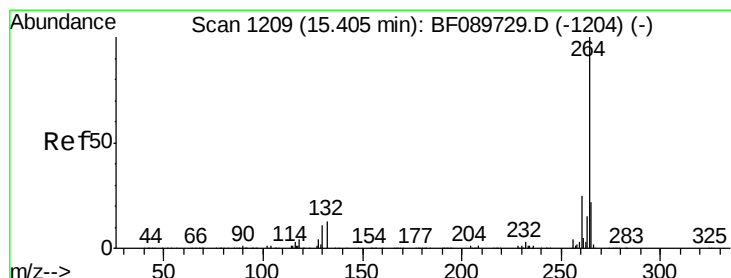
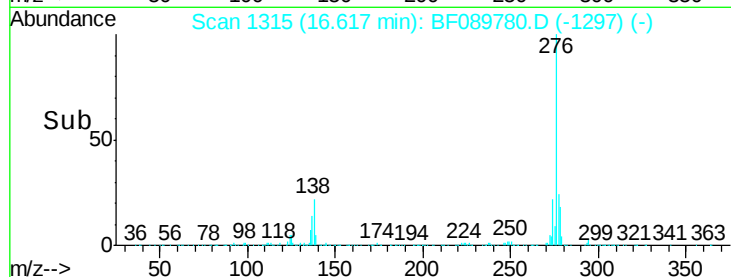
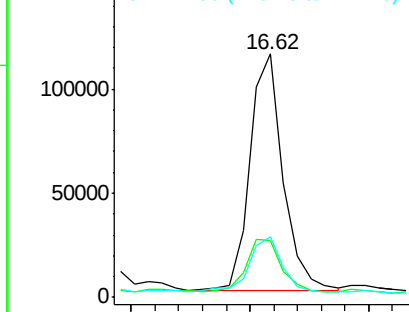
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.6	24.6	36.8
277	27.0	20.4	30.6

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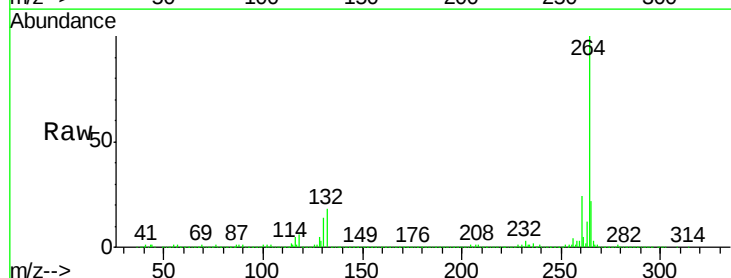


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

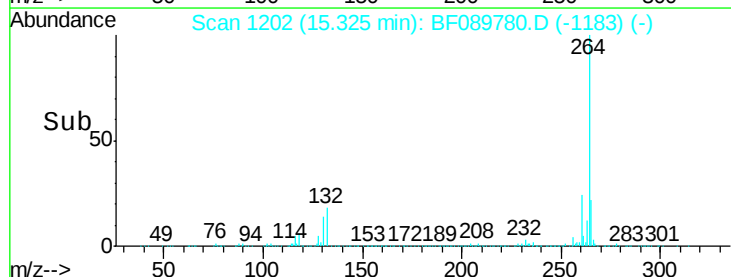
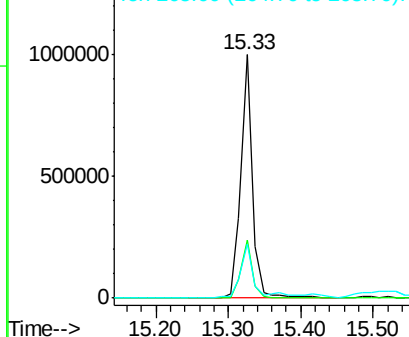


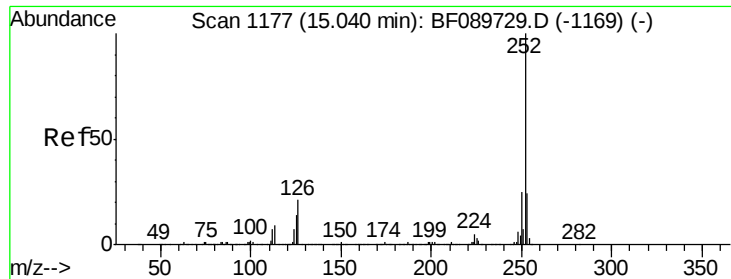
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1202
Delta R.T. -0.08 min
Lab File: BF089780.D
Acq: 17 Aug 2016 22:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.2	30.2
265	22.5	17.4	26.2



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





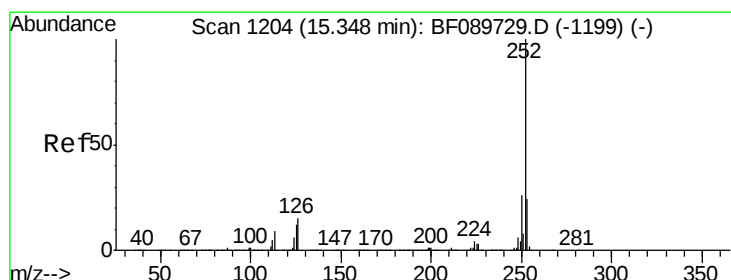
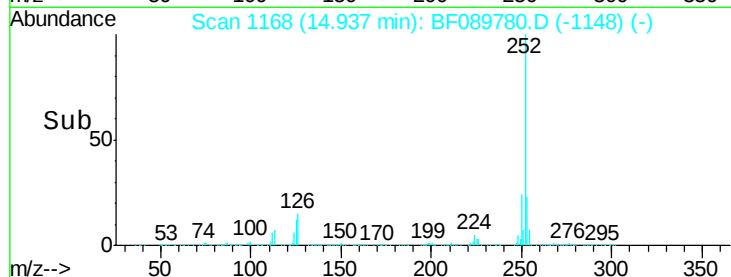
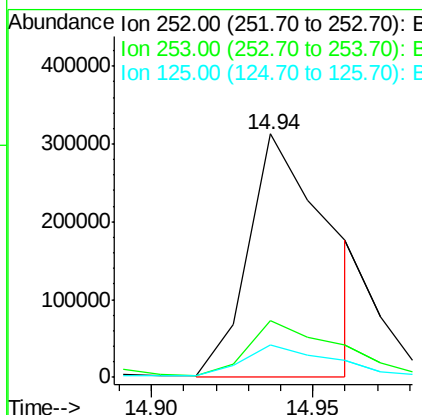
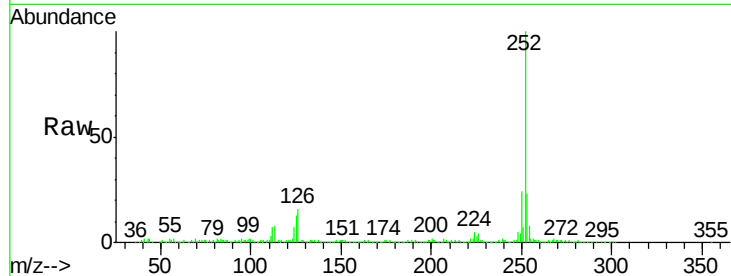
#87
Benzo(b)fluoranthene
Concen: 7.56 ng m
RT: 14.94 min Scan# 1168
Delta R.T. -0.07 min
Lab File: BF089780.D
Acq: 17 Aug 2016 22:59

Instrument :
BNA_F
ClientSampleId :
670-UNDERCLIFF-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	13.1	11.4	17.2

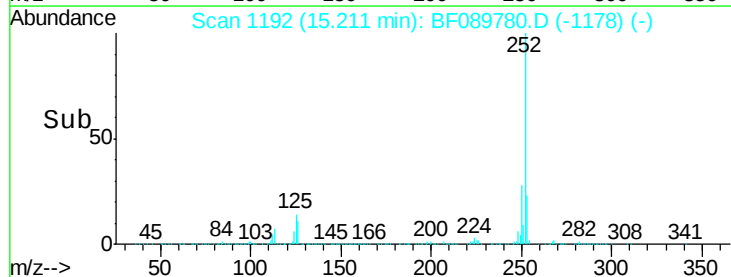
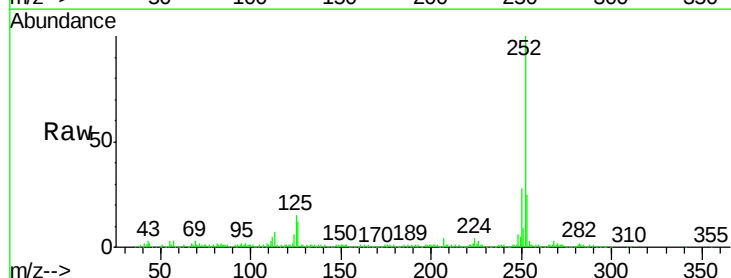
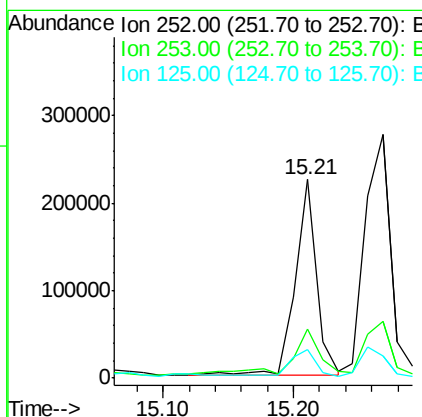
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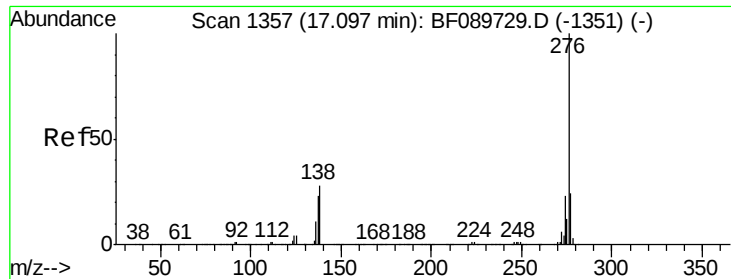
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#89
Benzo(a)pyrene
Concen: 4.38 ng
RT: 15.21 min Scan# 1192
Delta R.T. -0.14 min
Lab File: BF089780.D
Acq: 17 Aug 2016 22:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	14.6	11.7	17.5





#91
Benzo(a,h,i)perylene
Concen: 5.22 ng
RT: 16.99 min Scan# 1348
Delta R.T. -0.10 min
Lab File: BF089780.D
Acq: 17 Aug 2016 22:59

Instrument :
BNA_F
ClientSampleId :
670-UNDERCLIFF-5

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.5	19.2	28.8
138	25.6	22.1	33.1

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