

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091290.D
 Acq On : 23 Nov 2016 22:20
 Operator : UM/SJ
 Sample : H5740-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02(0-0.16)

Manual Integrations
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Quant Time: Nov 24 00:41:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 13:22:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	219863	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	904242	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	443298	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	658342	20.00	ng	0.00
75) Chrysene-d12	14.03	240	494241	20.00	ng	-0.01
86) Perylene-d12	15.48	264	508260	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1589745	116.17	ng	0.02
7) Phenol-d6	6.51	99	1791463	101.89	ng	0.01
23) Nitrobenzene-d5	7.45	82	1280847	81.55	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	406504	90.93	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1753264	64.76	ng	0.00
78) Terphenyl-d14	12.99	244	1199517	55.43	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.52	94	171357	8.74	ng	84
32) Benzoic acid	7.93	122	257041	23.33	ng	96
49) Dimethylphthalate	9.63	163	161935	5.85	ng	97
51) Acenaphthene	9.95	154	80682	3.16	ng	96
57) Fluorene	10.46	166	98036	3.57	ng	97
70) Phenanthrene	11.42	178	948176	27.76	ng	99
71) Anthracene	11.47	178	259140	7.42	ng	98
74) Fluoranthene	12.61	202	1348177	38.81	ng	99
77) Pyrene	12.84	202	1127063	30.86	ng	98
80) Benzo(a)anthracene	14.03	228	554078	19.75	ng	99
82) Chrysene	14.07	228	457975	17.28	ng	96
85) Indeno(1,2,3-cd)pyrene	16.89	276	288347m	12.63	ng	
87) Benzo(b)fluoranthene	15.06	252	639968m	19.96	ng	
88) Benzo(k)fluoranthene	15.07	252	278856m	10.65	ng	
89) Benzo(a)pyrene	15.41	252	448795m	16.45	ng	
90) Dibenzo(a,h)anthracene	16.90	278	63879m	2.54	ng	
91) Benzo(g,h,i)perylene	17.31	276	247856	9.92	ng	99

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

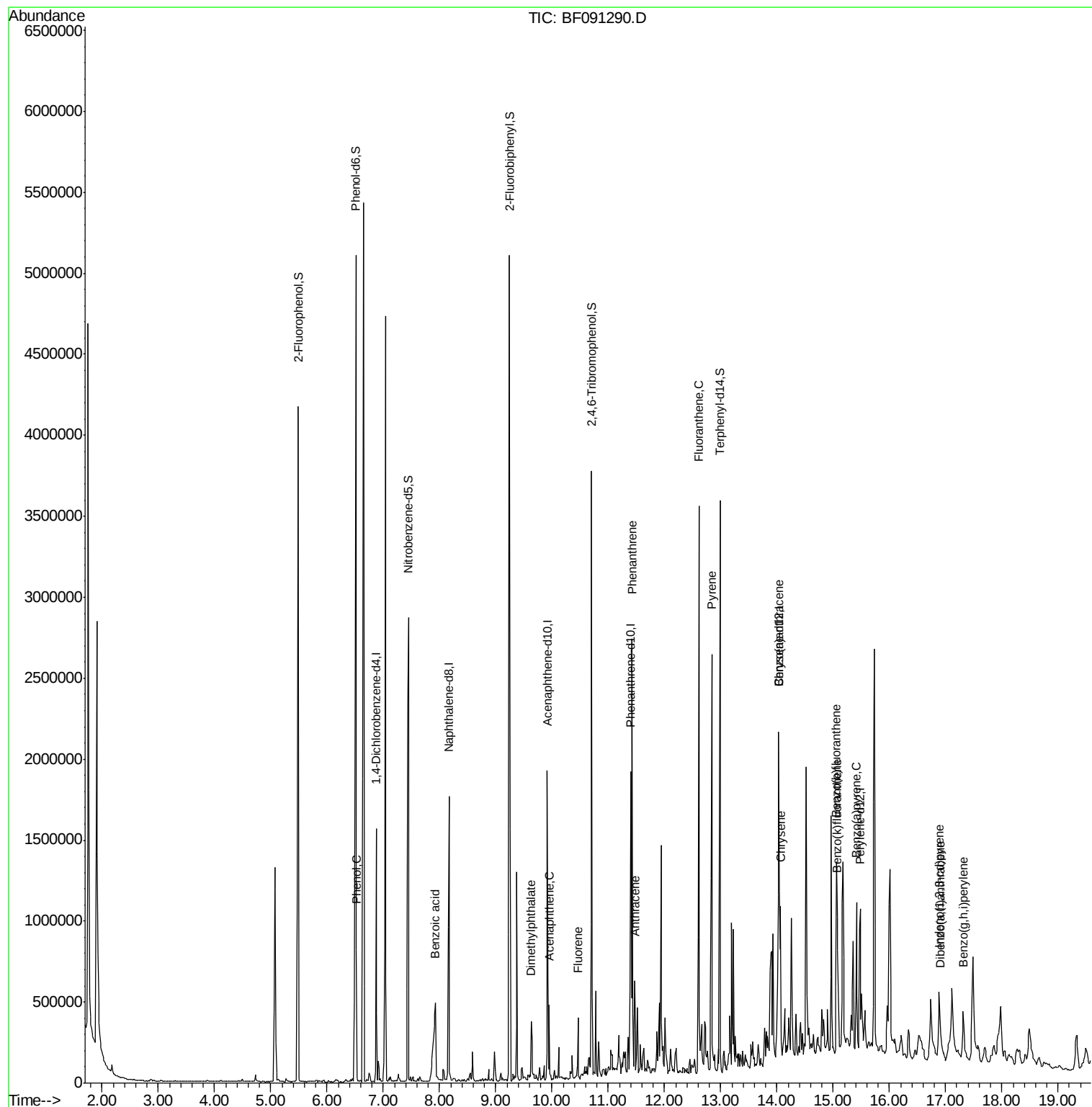
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091290.D
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ALS Vial : 13 Sample Multiplier: 1

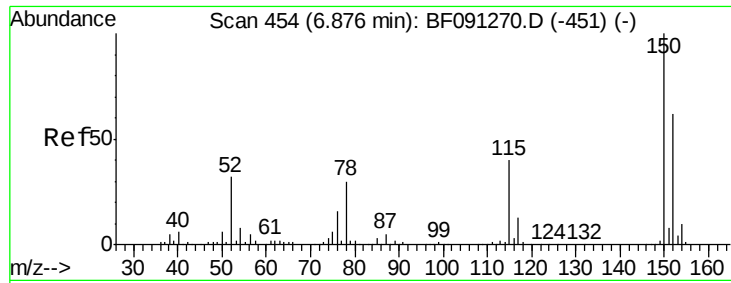
Instrument :
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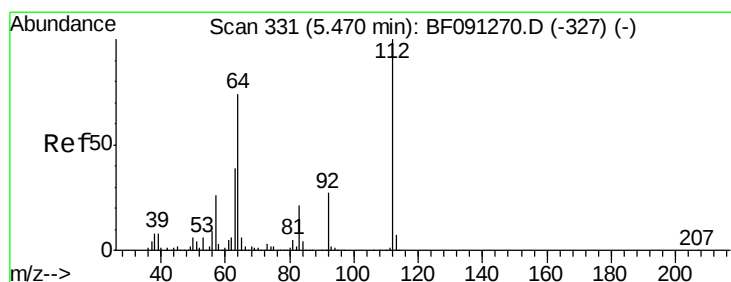
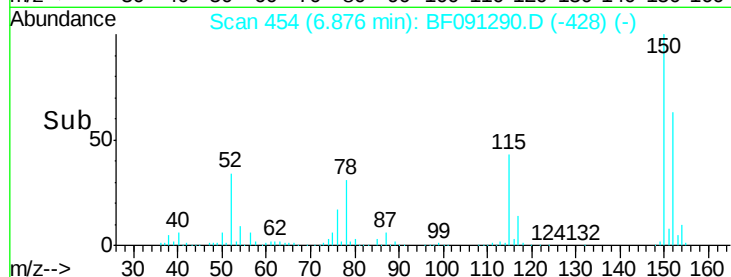
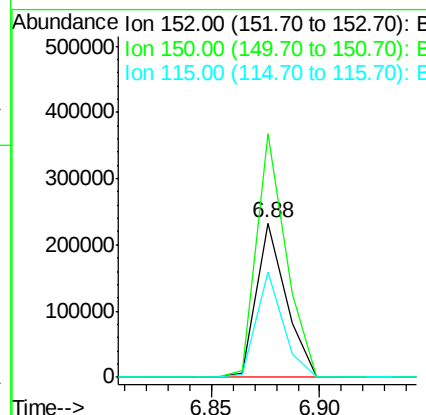
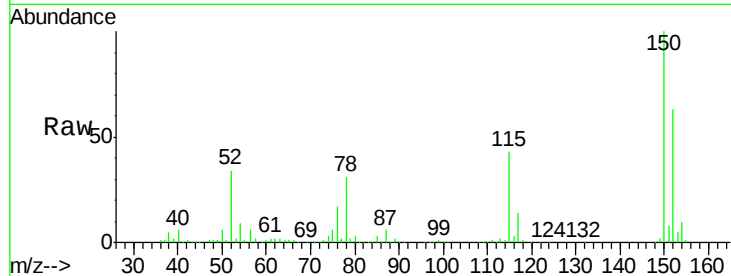
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF091290.D
 Acq: 23 Nov 2016 22:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-02(0-0.16)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.5	183.7
115	68.1	51.8	77.8

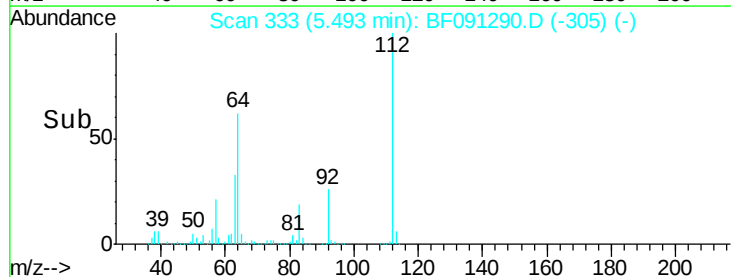
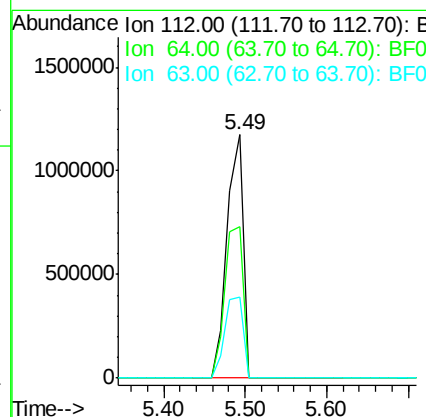
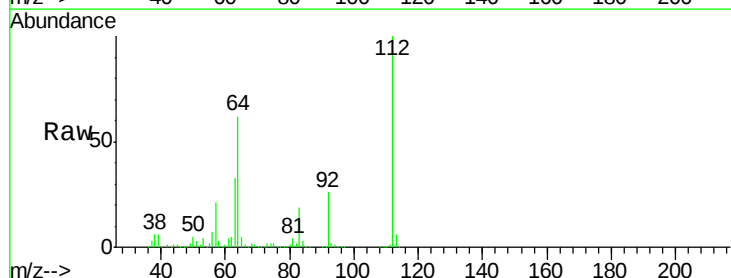
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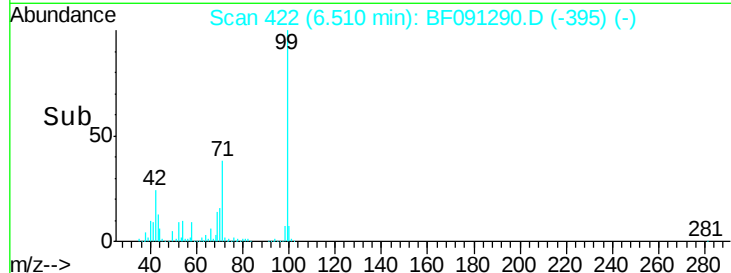
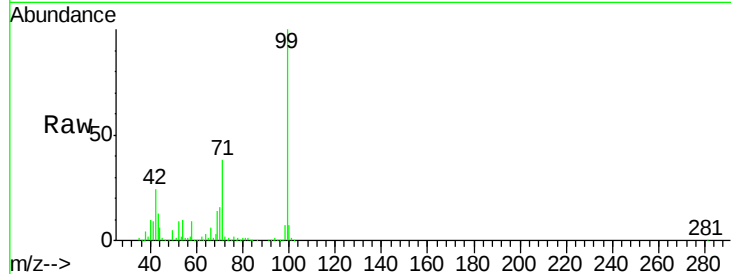
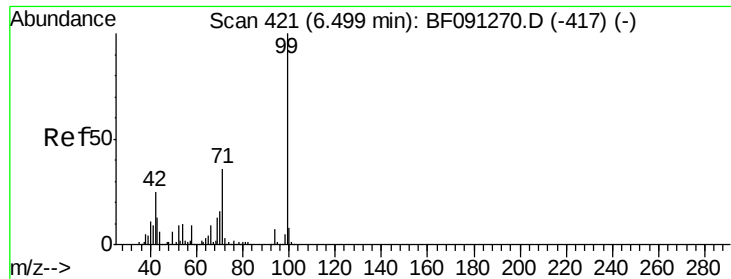
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#5
 2-Fluorophenol
 Concen: 116.17 ng
 RT: 5.49 min Scan# 333
 Delta R.T. 0.02 min
 Lab File: BF091290.D
 Acq: 23 Nov 2016 22:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	61.5	92.3
63	33.1	33.3	49.9#





#7

Phenol-d6

Concen: 101.89 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091290.D

Acq: 23 Nov 2016 22:20

Tgt Ion: 99 Resp: 1791463

Ion Ratio Lower Upper

99 100

42 24.1 20.6 31.0

71 37.7 29.9 44.9

Instrument :

BNA_F

ClientSampleId :

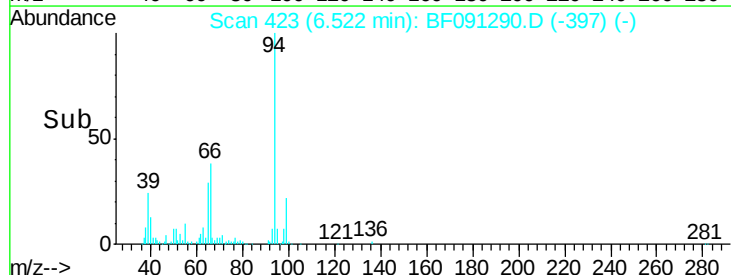
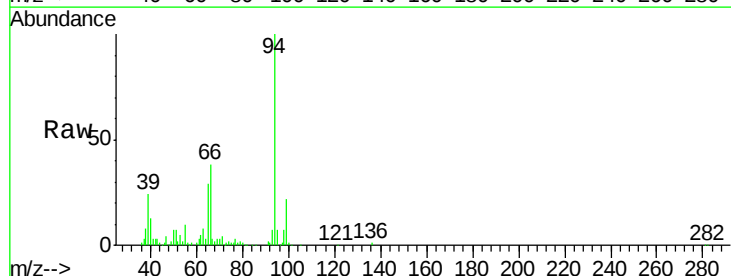
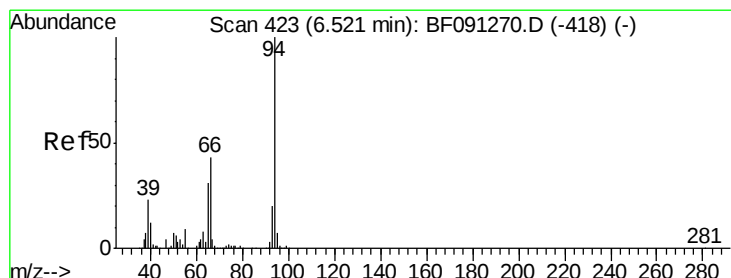
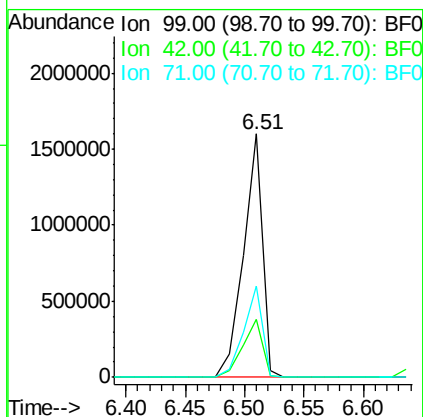
SB-02(0-0.16)

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#10

Phenol

Concen: 8.74 ng

RT: 6.52 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091290.D

Acq: 23 Nov 2016 22:20

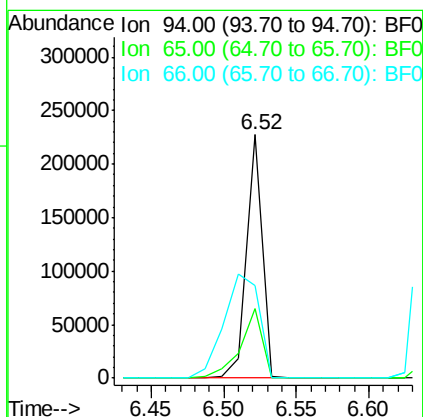
Tgt Ion: 94 Resp: 171357

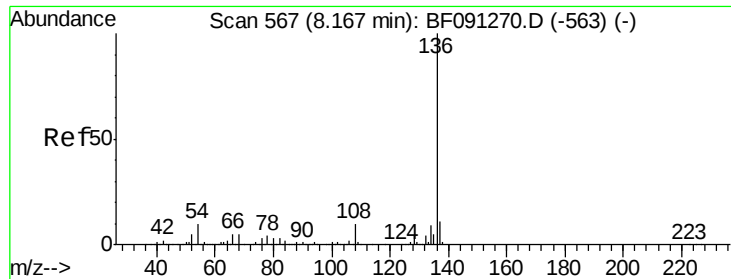
Ion Ratio Lower Upper

94 100

65 28.7 16.9 56.9

66 38.0 30.6 70.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF091290.D

Acq: 23 Nov 2016 22:20

Instrument :

BNA_F

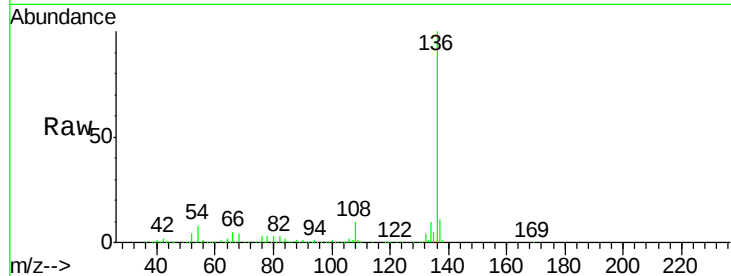
ClientSampleId :

SB-02(0-0.16)

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	9.1	13.7
54	8.5	9.1	13.7#
68	4.4	5.9	8.9#

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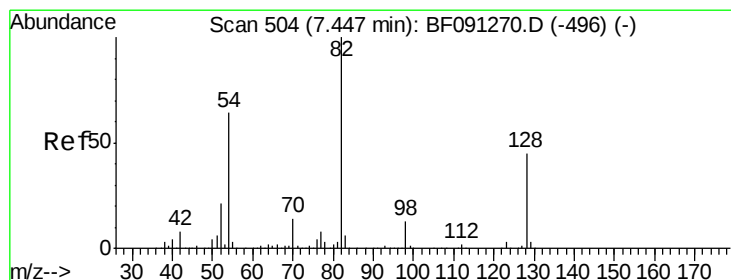
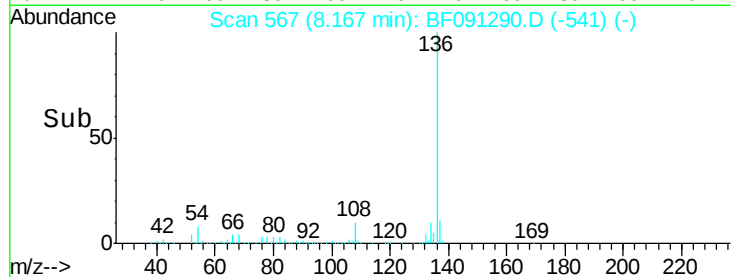
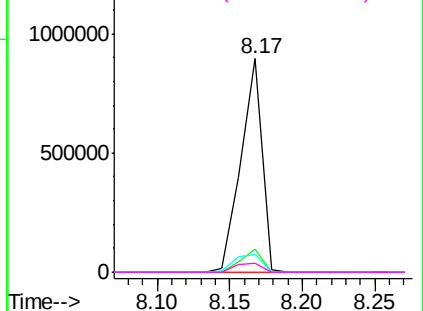


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 81.55 ng

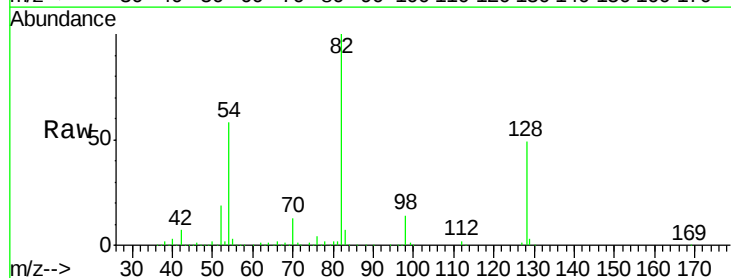
RT: 7.45 min Scan# 504

Delta R.T. 0.00 min

Lab File: BF091290.D

Acq: 23 Nov 2016 22:20

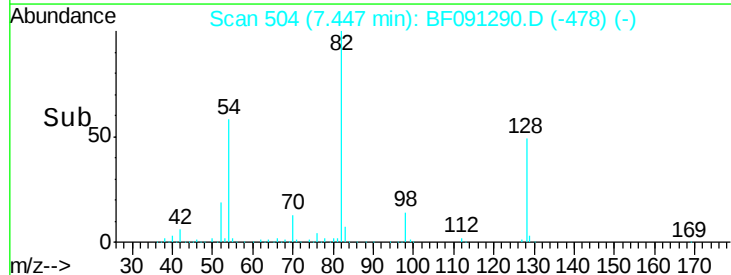
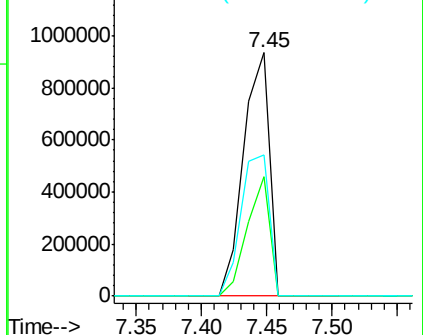
Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	49.2	31.8	47.6#
54	58.1	49.1	73.7

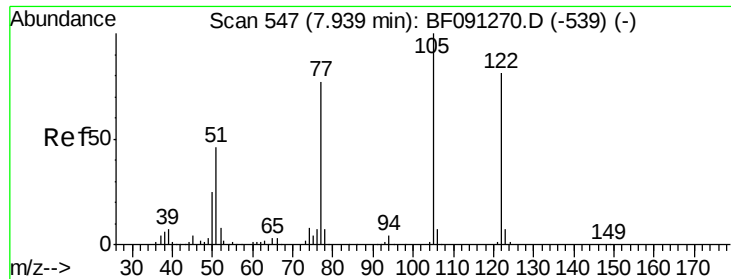


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 23.33 ng

RT: 7.93 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF091290.D

Acq: 23 Nov 2016 22:20

Instrument :

BNA_F

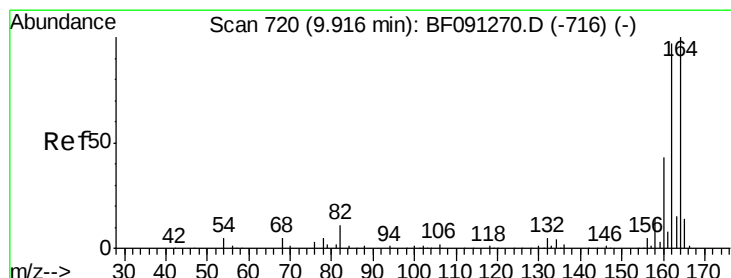
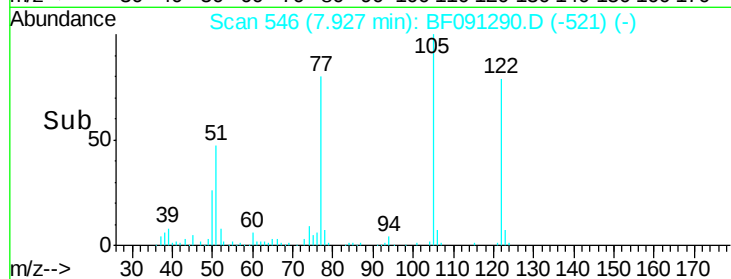
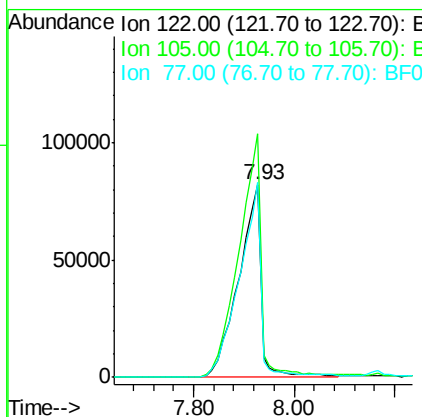
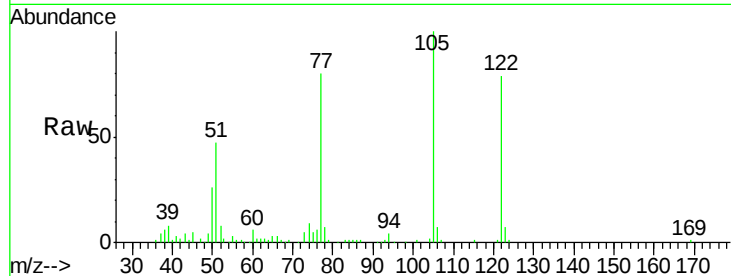
ClientSampled :

SB-02(0-0.16)

Tgt Ion:	122	Resp:	257041
Ion Ratio	Lower	Upper	
122	100		
105	126.4	113.0	153.0
77	101.0	82.0	122.0

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#38

Acenaphthene-d10

Concen: 20.00 ng

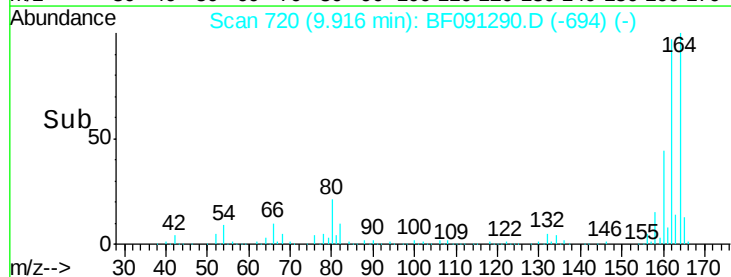
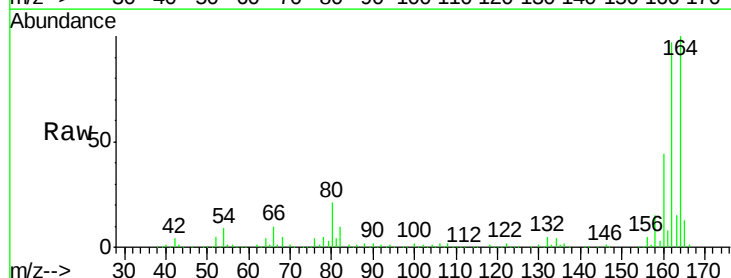
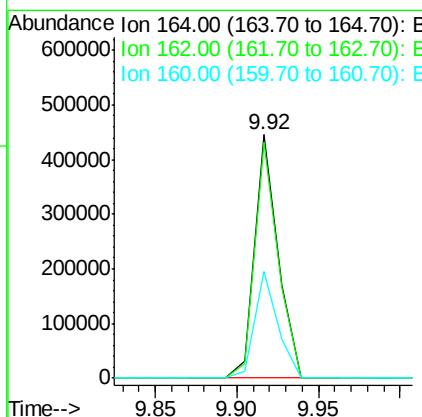
RT: 9.92 min Scan# 720

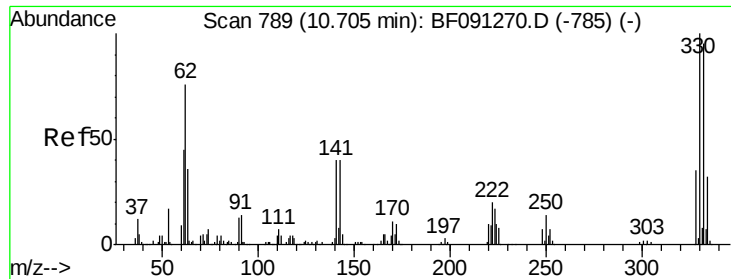
Delta R.T. 0.00 min

Lab File: BF091290.D

Acq: 23 Nov 2016 22:20

Tgt Ion:	164	Resp:	443298
Ion Ratio	Lower	Upper	
164	100		
162	97.2	82.6	124.0
160	43.8	36.7	55.1





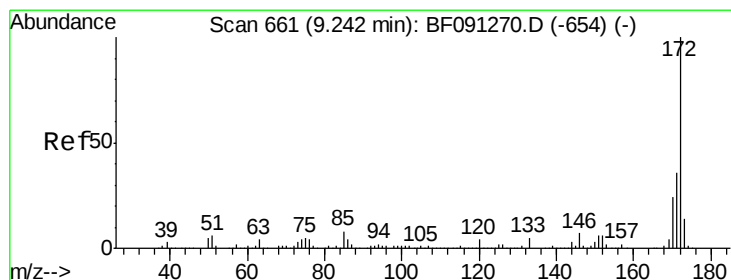
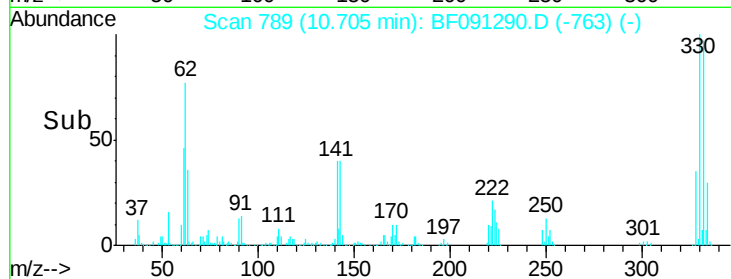
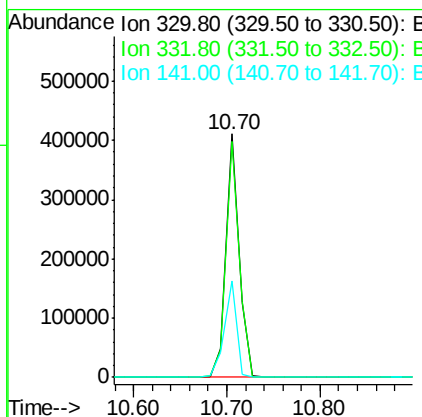
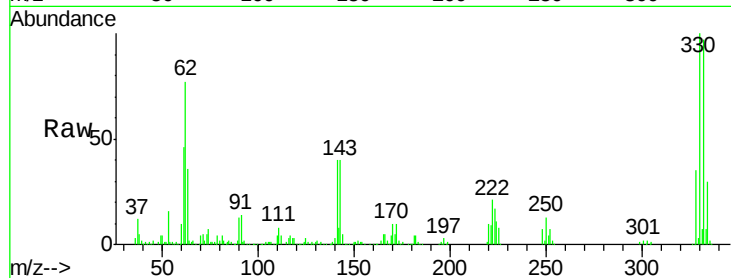
#41
 2,4,6-Tribromophenol
 Concen: 90.93 ng
 RT: 10.70 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF091290.D
 Acq: 23 Nov 2016 22:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-02(0-0.16)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	406504		
332	97.5	76.2	114.4	
141	36.3	33.6	50.4	

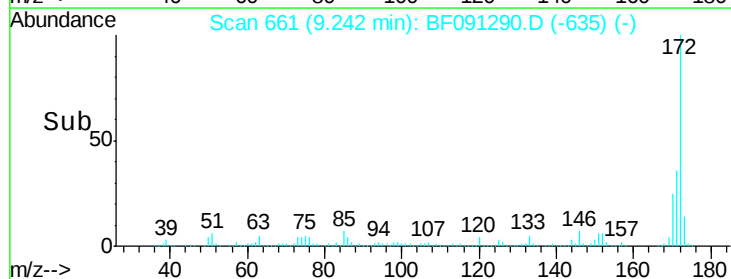
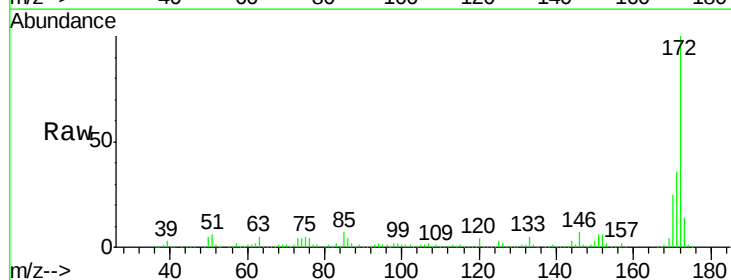
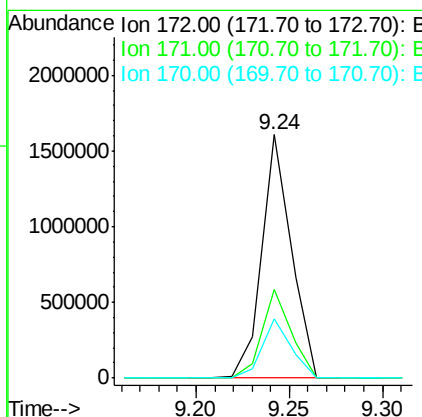
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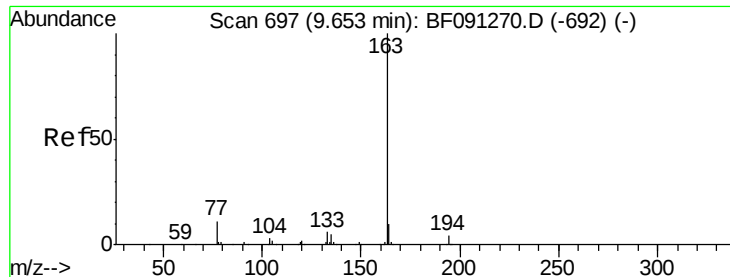
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#44
 2-Fluorobiphenyl
 Concen: 64.76 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091290.D
 Acq: 23 Nov 2016 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1753264		
171	36.3	29.4	44.0	
170	24.6	19.7	29.5	





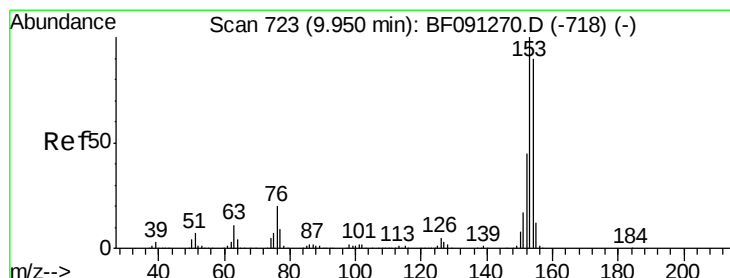
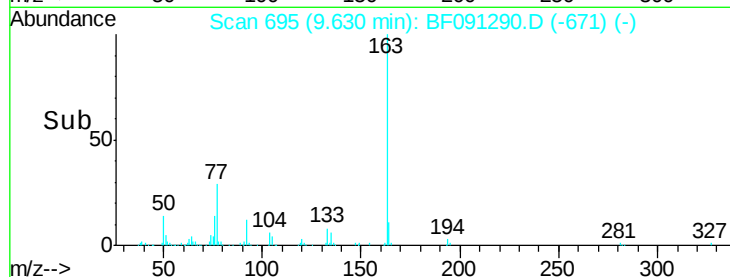
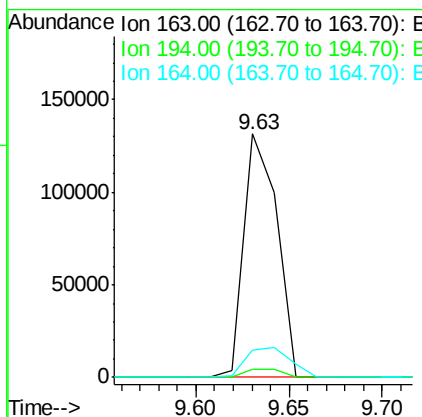
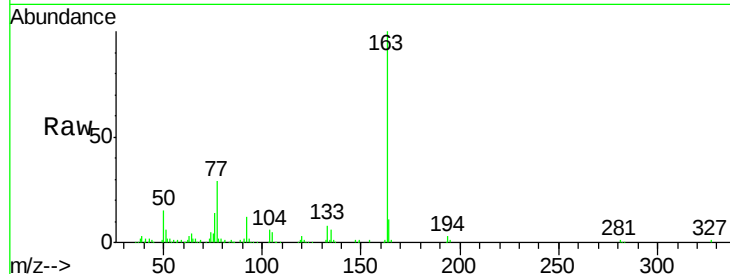
#49
Dimethylphthalate
Concen: 5.85 ng
RT: 9.63 min Scan# 695
Delta R.T. -0.02 min
Lab File: BF091290.D
Acq: 23 Nov 2016 22:20

Instrument :
BNA_F
ClientSampleId :
SB-02(0-0.16)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	161935		
194	3.2		3.0	4.4
164	11.3		7.8	11.8

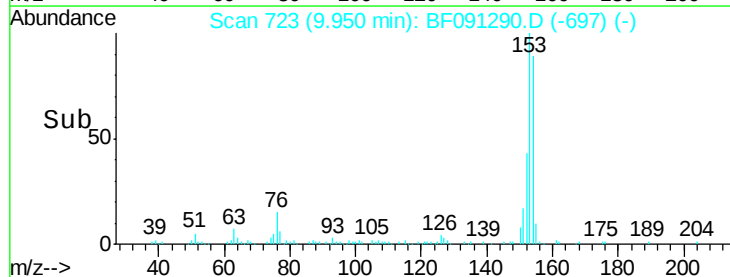
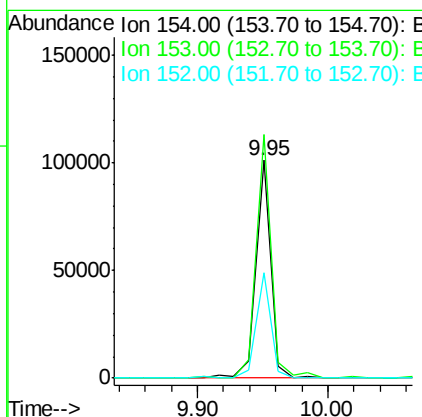
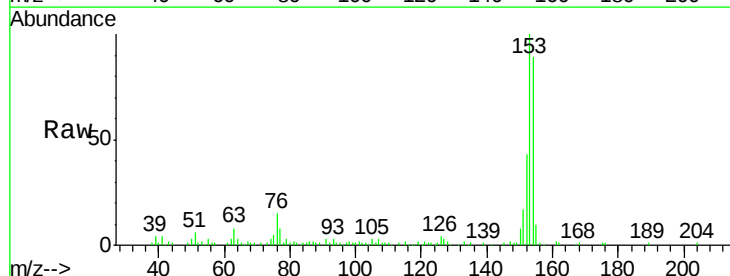
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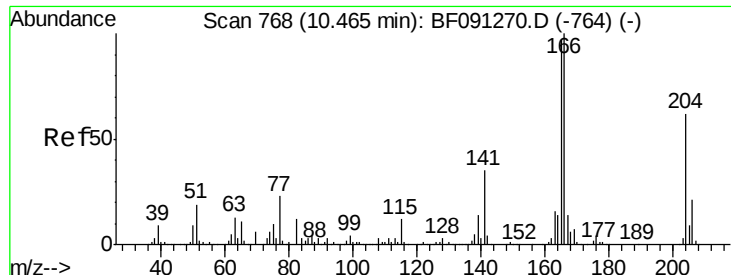
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#51
Acenaphthene
Concen: 3.16 ng
RT: 9.95 min Scan# 723
Delta R.T. 0.00 min
Lab File: BF091290.D
Acq: 23 Nov 2016 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	80682		
153	111.8		91.0	136.6
152	48.3		44.2	66.2





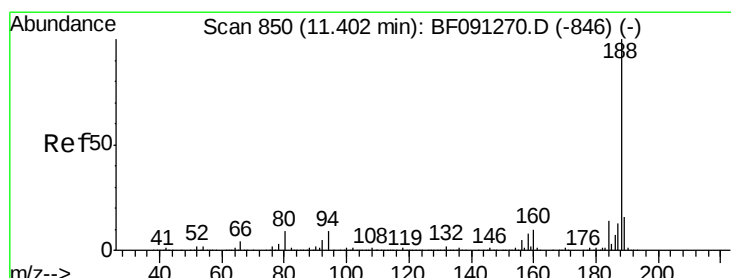
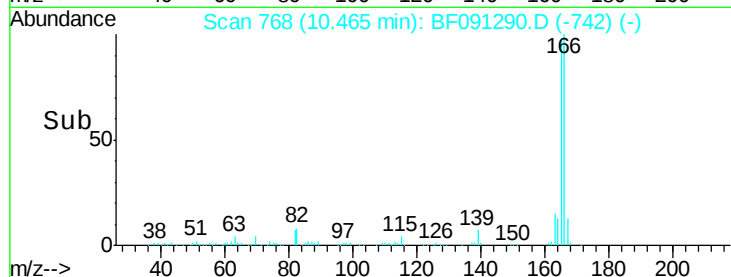
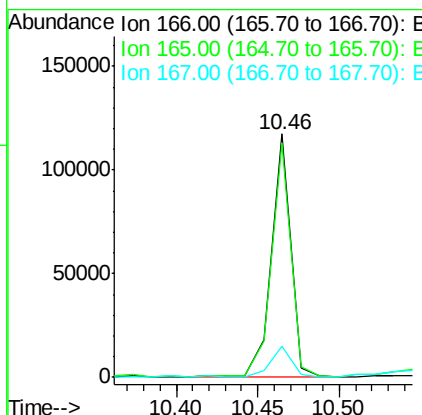
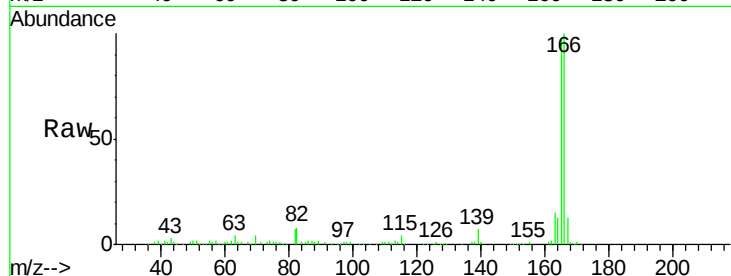
#57
Fluorene
 Concen: 3.57 ng
 RT: 10.46 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF091290.D
 Acq: 23 Nov 2016 22:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-02(0-0.16)

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.6	80.0	120.0
167	12.6	10.8	16.2

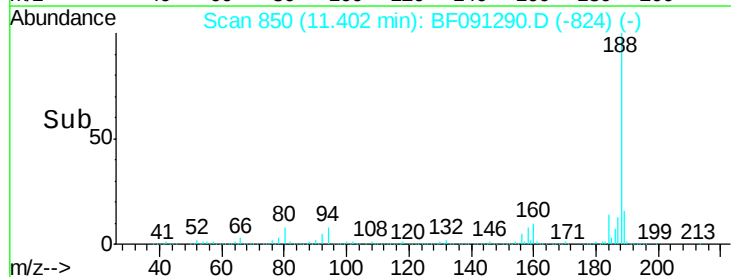
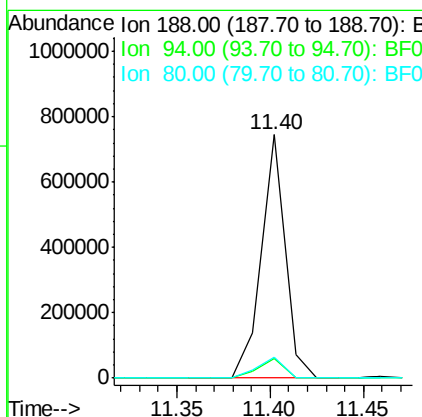
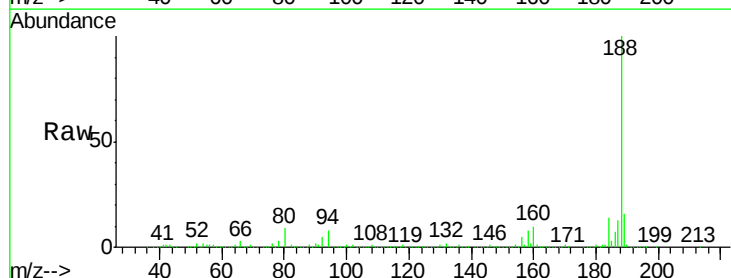
Manual Integrations
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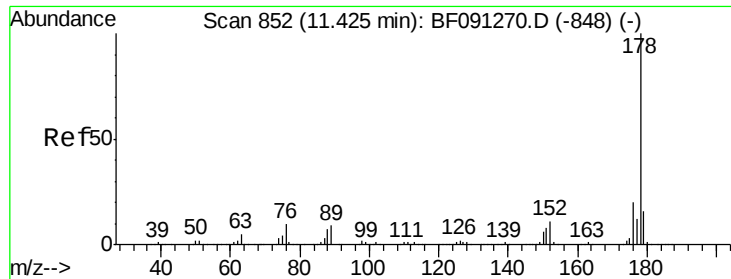
sohil
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: BF091290.D
 Acq: 23 Nov 2016 22:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	9.2	13.8#
80	8.5	10.5	15.7#





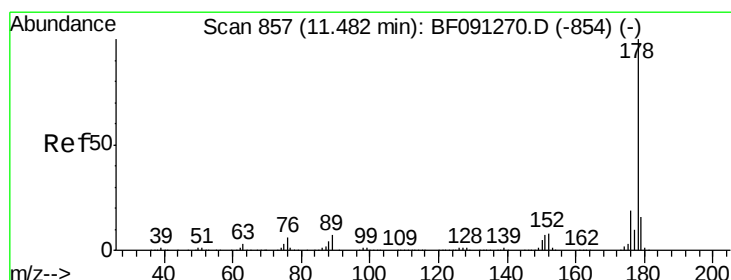
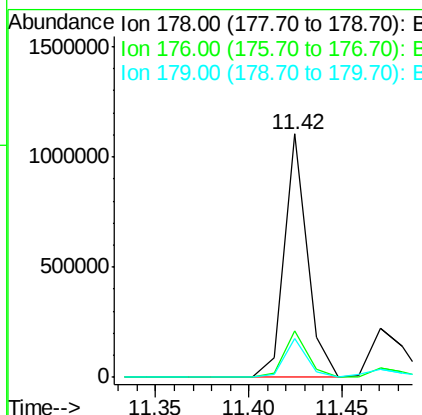
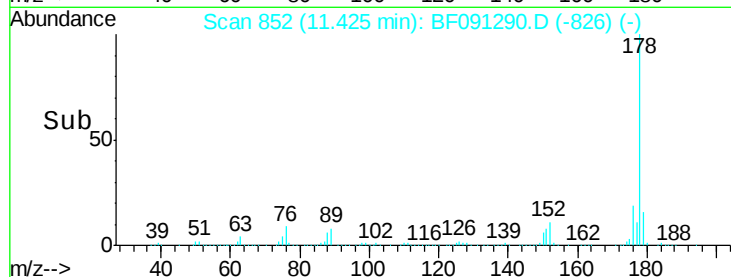
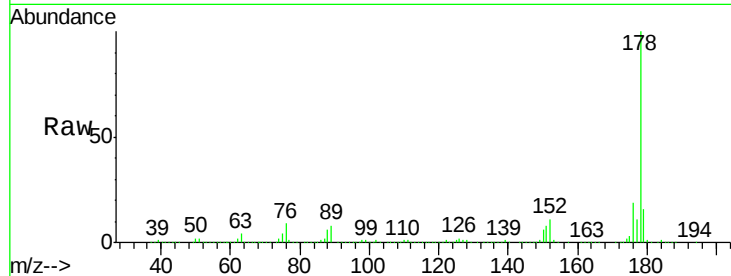
#70
Phenanthrene
Concen: 27.76 ng
RT: 11.42 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF091290.D
Acq: 23 Nov 2016 22:20

Instrument :
BNA_F
ClientSampled :
SB-02(0-0.16)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	15.9	12.6	18.8

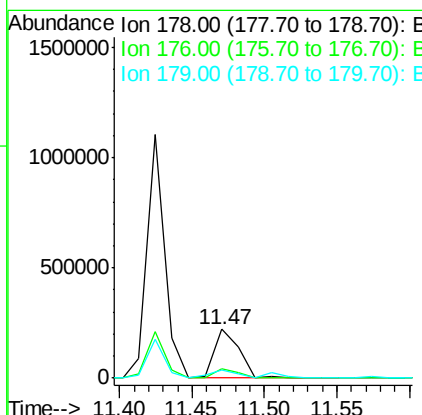
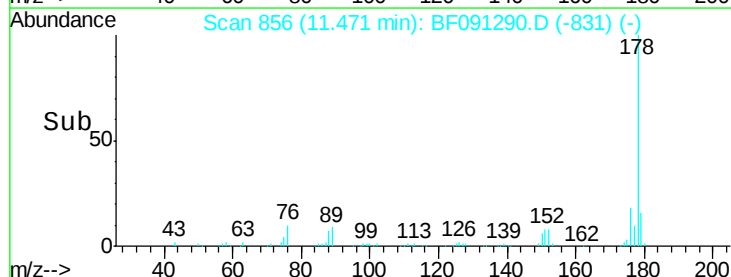
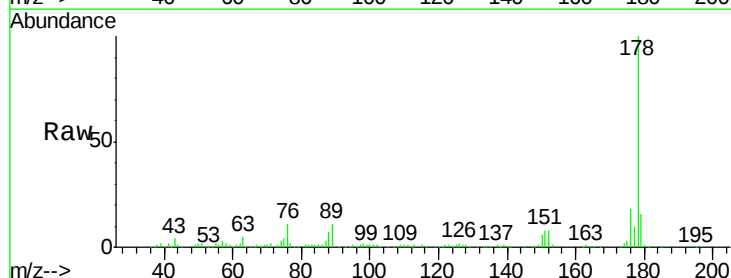
Manual Integrations
APPROVED

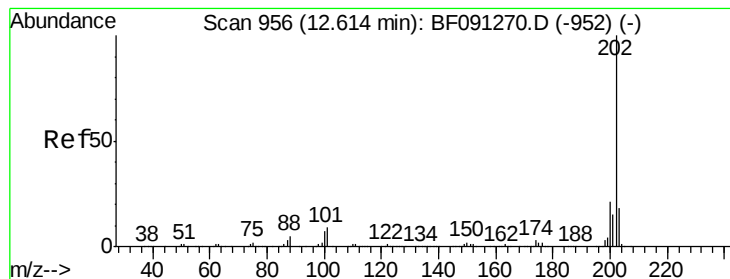
sohil
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#71
Anthracene
Concen: 7.42 ng
RT: 11.47 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF091290.D
Acq: 23 Nov 2016 22:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.6
179	16.0	12.7	19.1





#74

Fluoranthene

Concen: 38.81 ng

RT: 12.61 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF091290.D

Acq: 23 Nov 2016 22:20

Instrument :

BNA_F

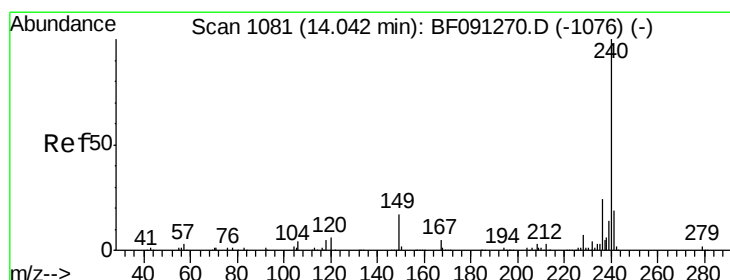
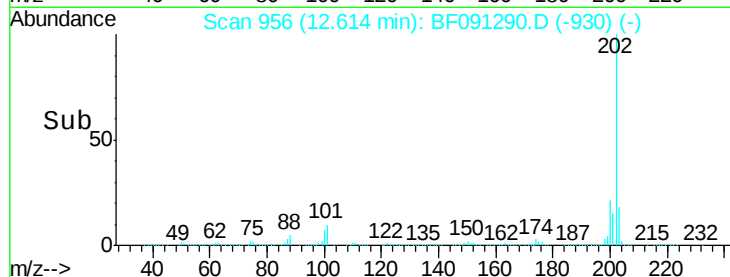
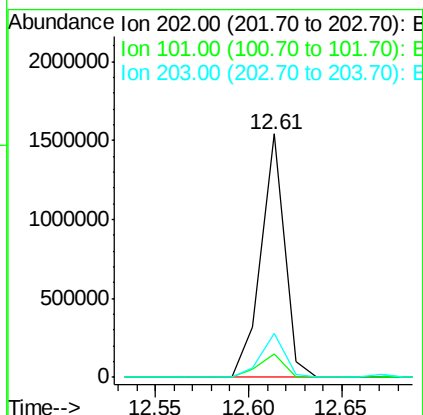
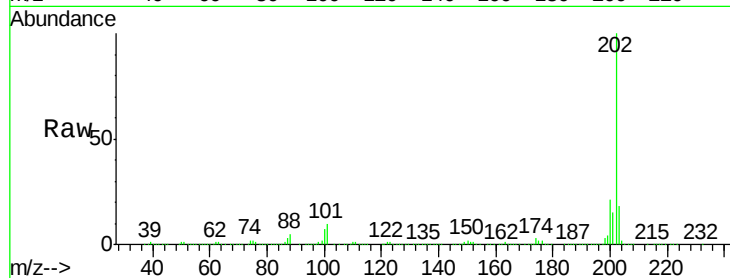
ClientSampleId :

SB-02(0-0.16)

Tgt Ion:	202	Resp:	1348177
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	29.5
203	18.3	0.0	37.8

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

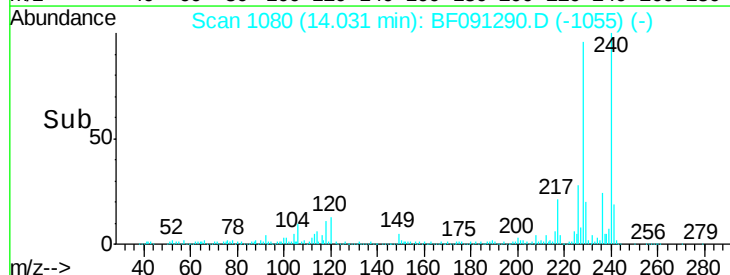
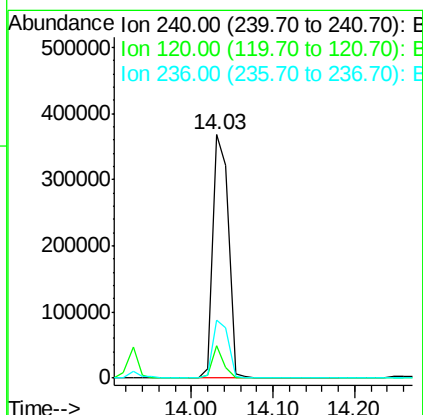
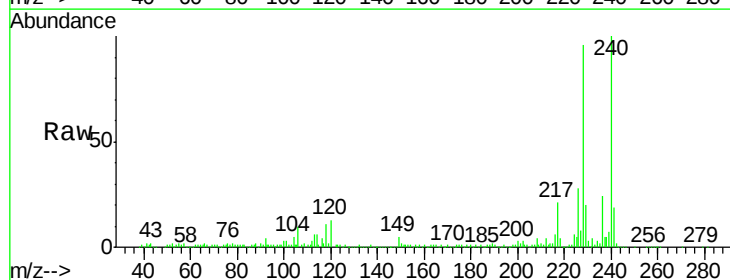
RT: 14.03 min Scan# 1080

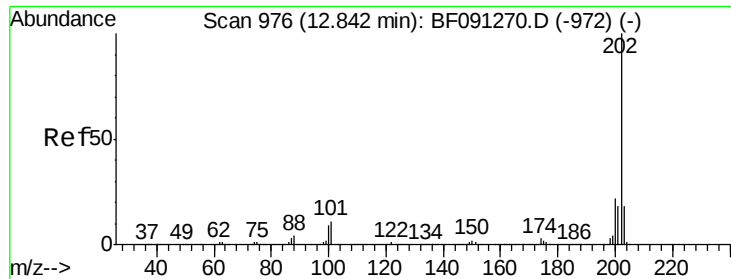
Delta R.T. -0.01 min

Lab File: BF091290.D

Acq: 23 Nov 2016 22:20

Tgt Ion:	240	Resp:	494241
Ion Ratio	Lower	Upper	
240	100		
120	13.1	12.1	18.1
236	24.0	21.0	31.6





#77

Pyrene

Concen: 30.86 ng

RT: 12.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: BF091290.D

Acq: 23 Nov 2016 22:20

Instrument :

BNA_F

ClientSampleId :

SB-02(0-0.16)

Tgt Ion:202 Resp: 1127063

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

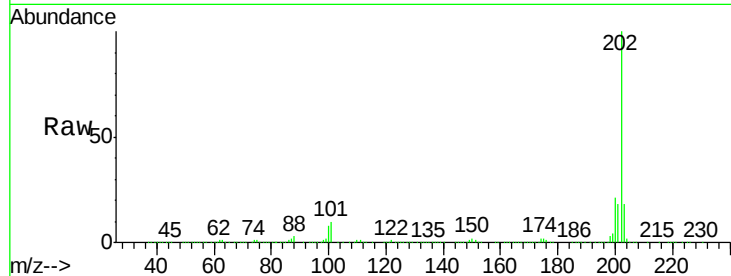
203 18.2 14.0 21.0

Manual Integrations

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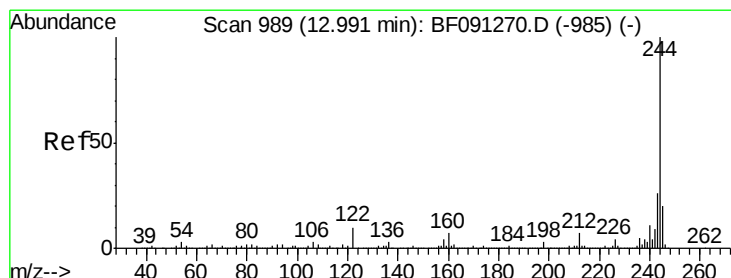
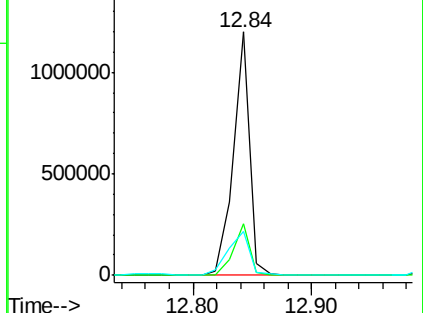
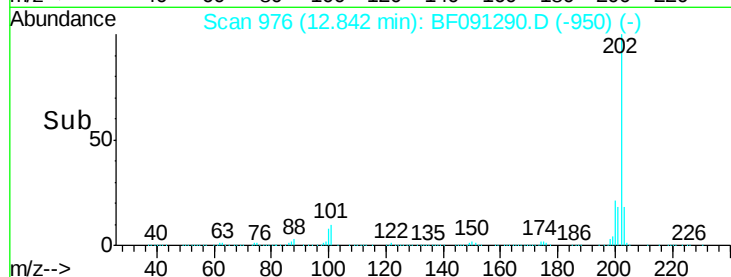
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 55.43 ng

RT: 12.99 min Scan# 989

Delta R.T. 0.00 min

Lab File: BF091290.D

Acq: 23 Nov 2016 22:20

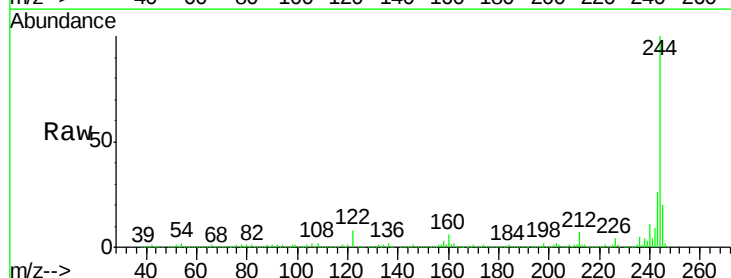
Tgt Ion:244 Resp: 1199517

Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

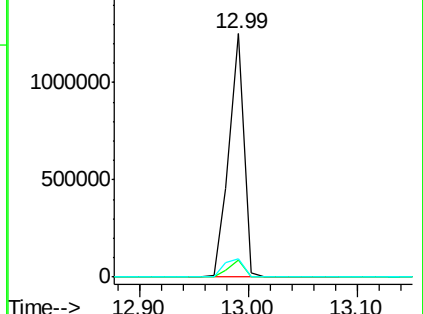
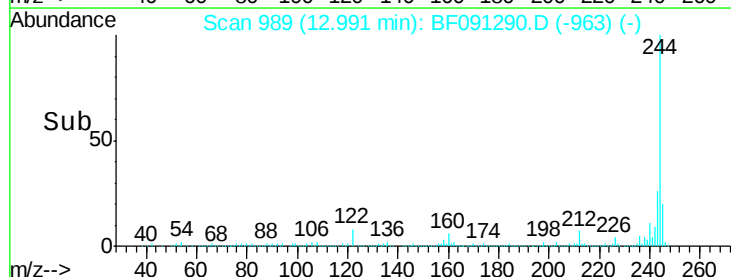
122 7.6 9.5 14.3#

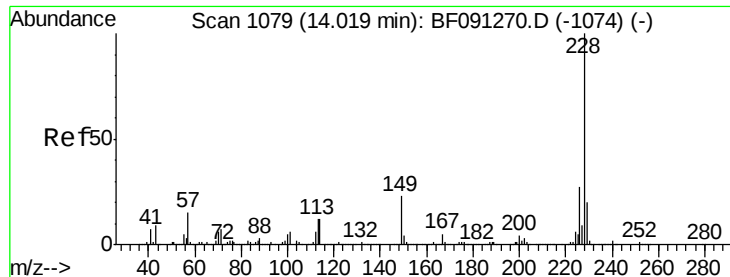


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





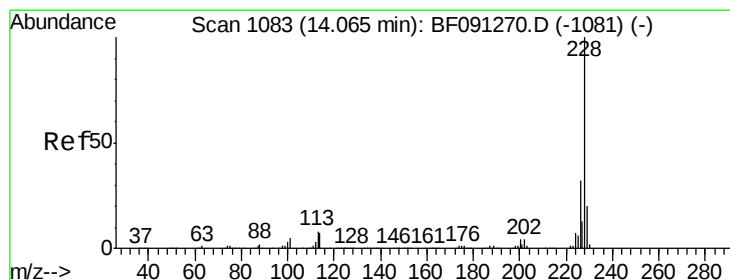
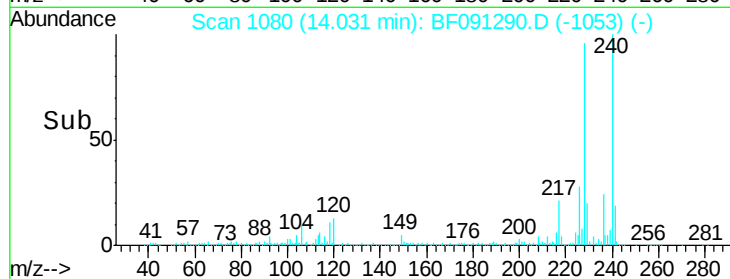
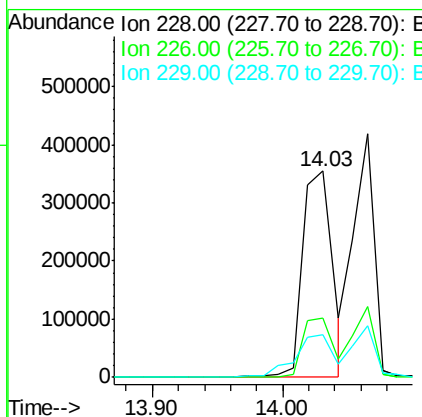
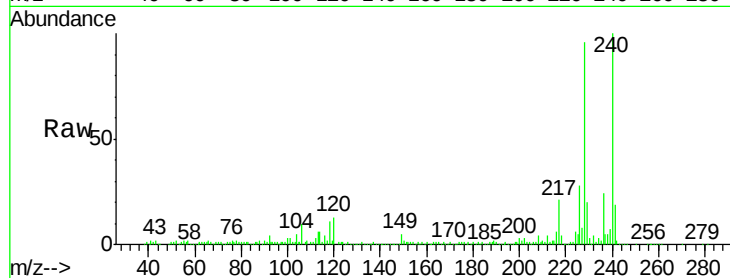
#80
Benzo(a)anthracene
Concen: 19.75 ng
RT: 14.03 min Scan# 1080
Delta R.T. 0.01 min
Lab File: BF091290.D
Acq: 23 Nov 2016 22:20

Instrument :
BNA_F
ClientSampleId :
SB-02(0-0.16)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.5	33.7
229	21.0	16.4	24.6

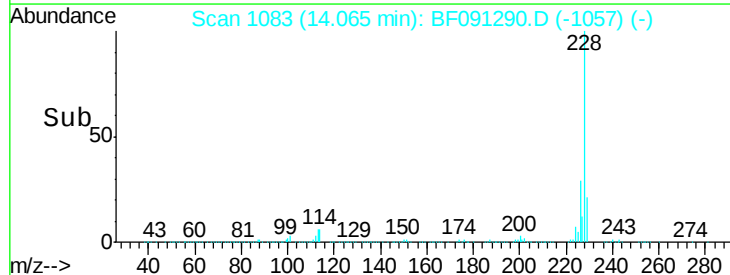
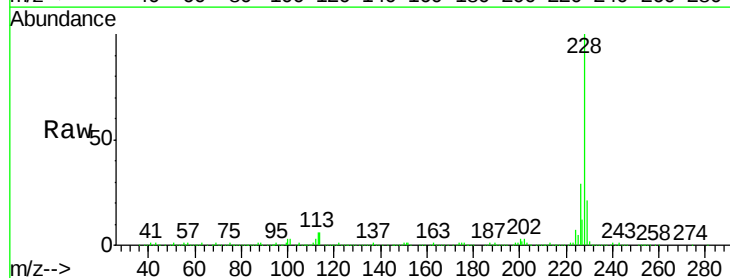
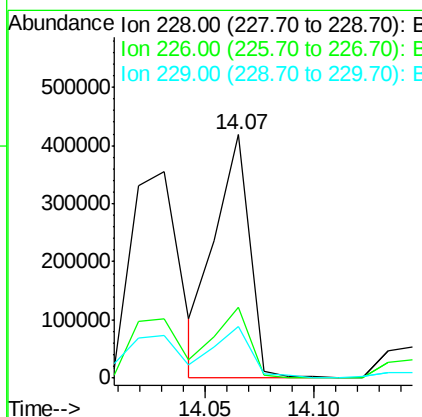
Manual Integrations
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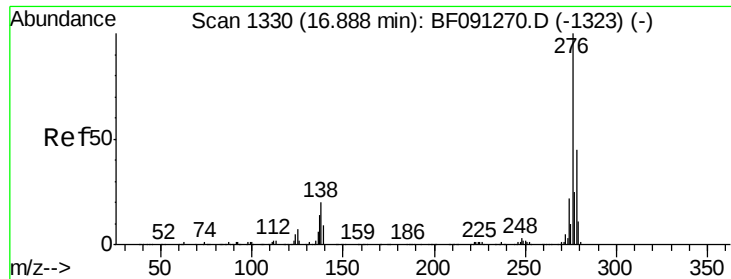
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#82
Chrysene
Concen: 17.28 ng
RT: 14.07 min Scan# 1083
Delta R.T. 0.00 min
Lab File: BF091290.D
Acq: 23 Nov 2016 22:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.4
229	21.4	16.0	24.0





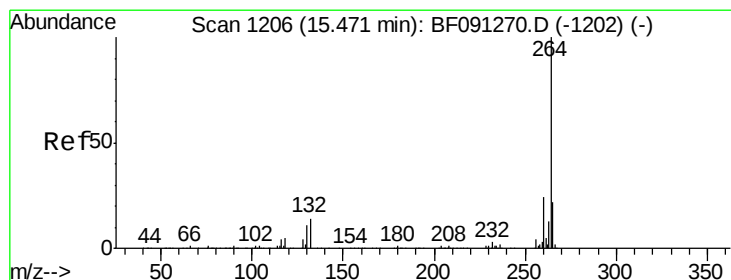
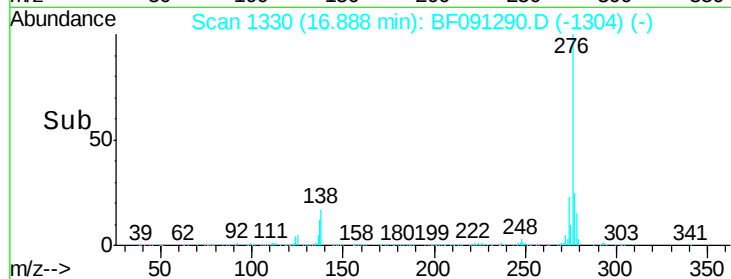
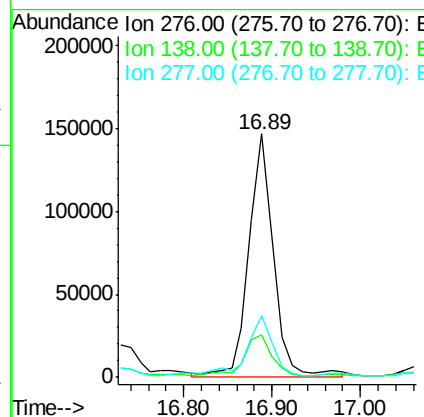
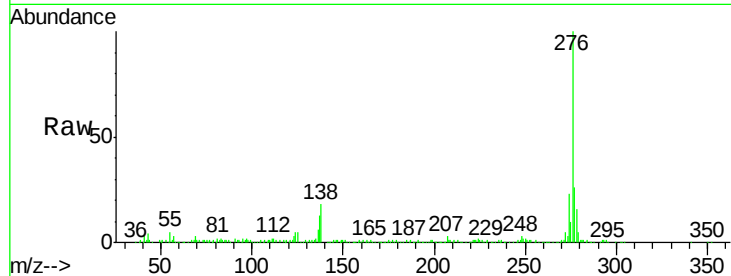
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.63 ng m
 RT: 16.89 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: BF091290.D
 Acq: 23 Nov 2016 22:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-02(0-0.16)

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	5.4	21.0	31.4#
277	3.9	20.2	30.2#

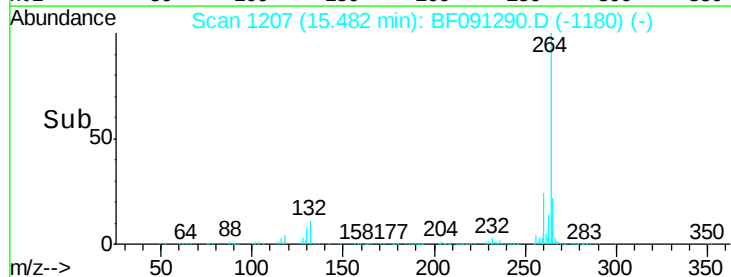
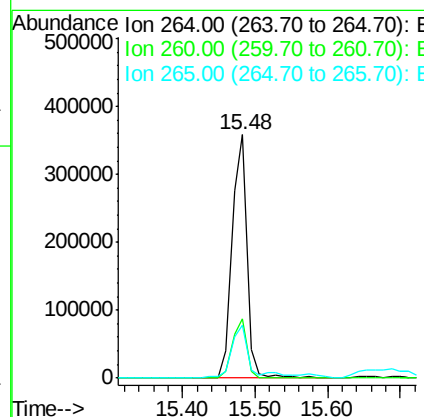
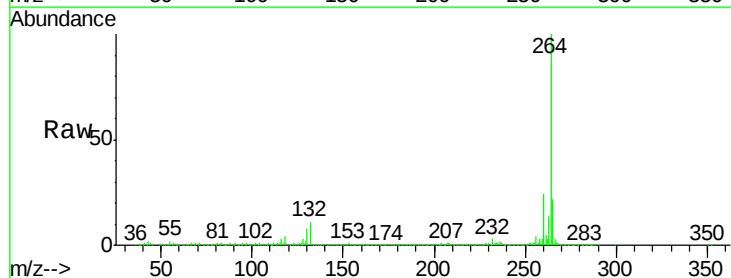
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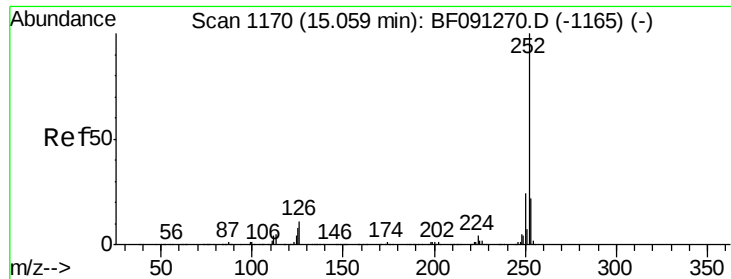
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: BF091290.D
 Acq: 23 Nov 2016 22:20

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.3	18.8	28.2
265	21.9	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 19.96 ng m

RT: 15.06 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BF091290.D

Acq: 23 Nov 2016 22:20

Instrument :

BNA_F

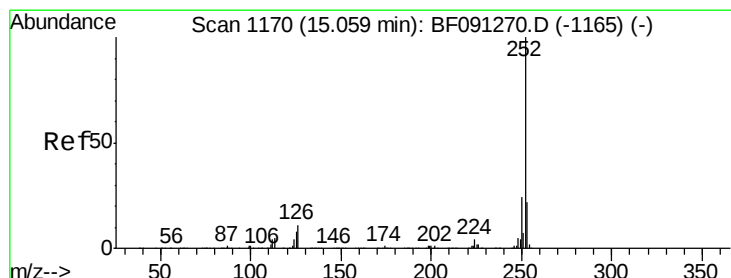
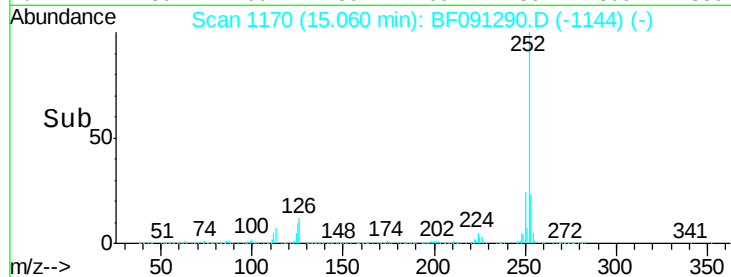
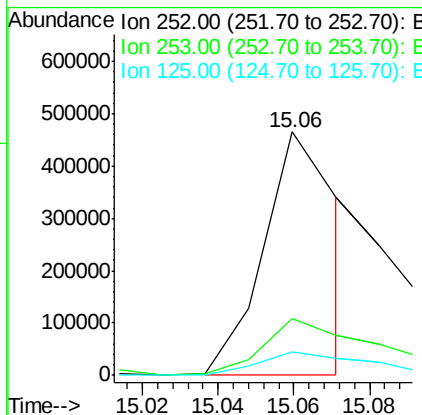
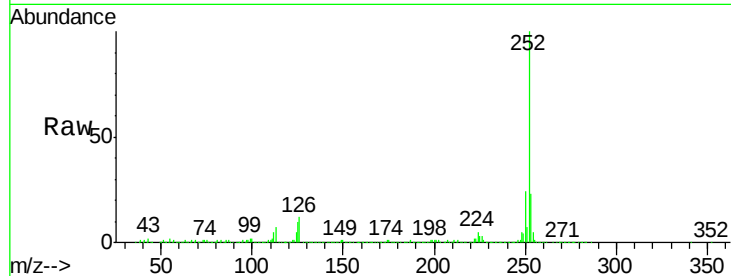
ClientSampleId :

SB-02(0-0.16)

Tgt Ion:	252	Resp:	639968
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.2
125	9.9	8.6	13.0

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 10.65 ng m

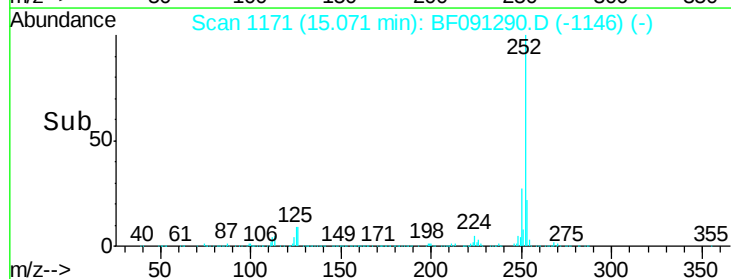
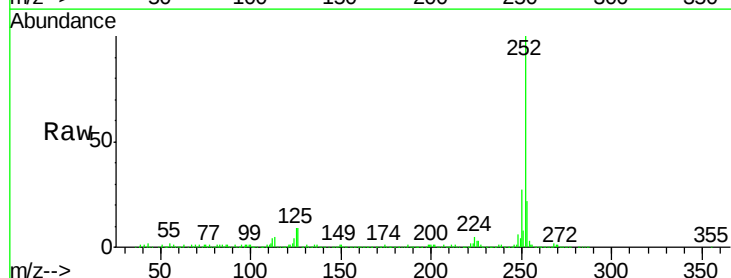
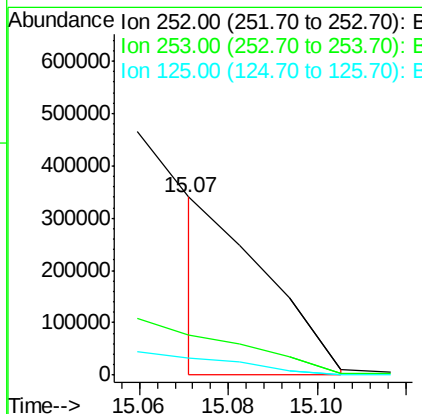
RT: 15.07 min Scan# 1171

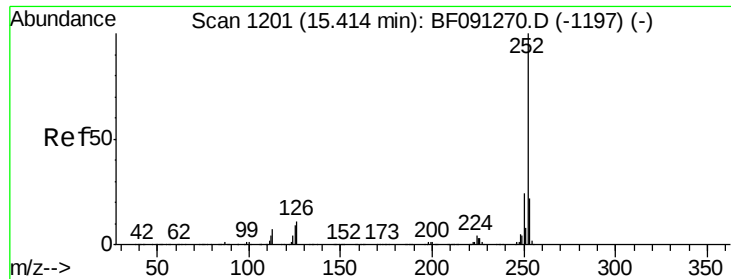
Delta R.T. -0.01 min

Lab File: BF091290.D

Acq: 23 Nov 2016 22:20

Tgt Ion:	252	Resp:	278856
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.8
125	9.4	9.6	14.4#





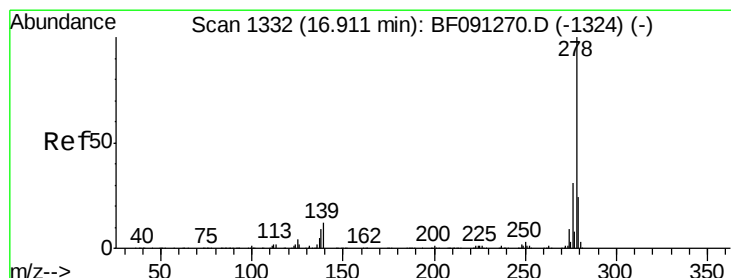
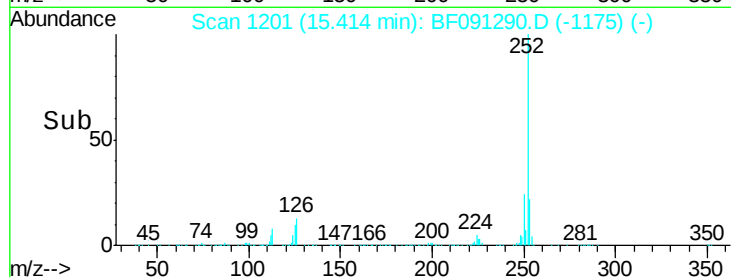
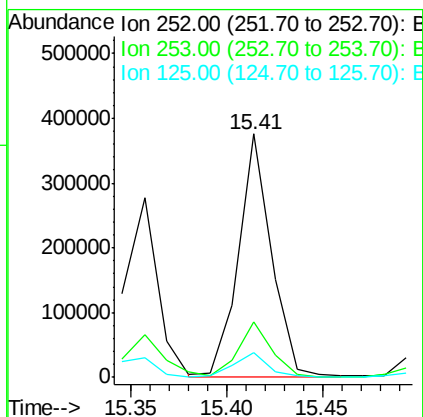
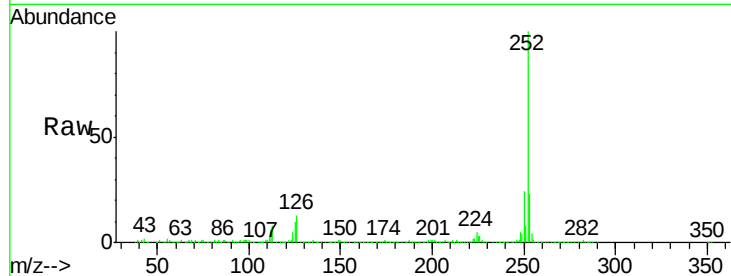
#89
Benzo(a)pyrene
Concen: 16.45 ng m
RT: 15.41 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF091290.D
Acq: 23 Nov 2016 22:20

Instrument :
BNA_F
ClientSampleId :
SB-02(0-0.16)

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	448795		
253	22.6	18.2	27.4	
125	10.4	10.4	15.6	

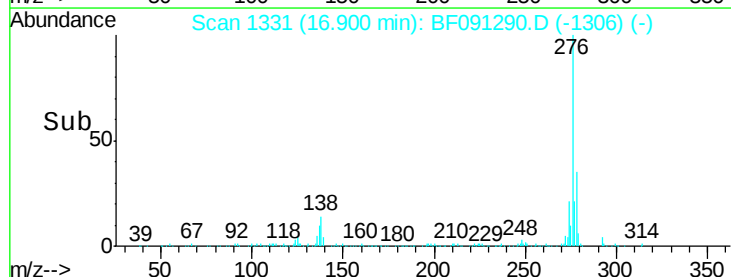
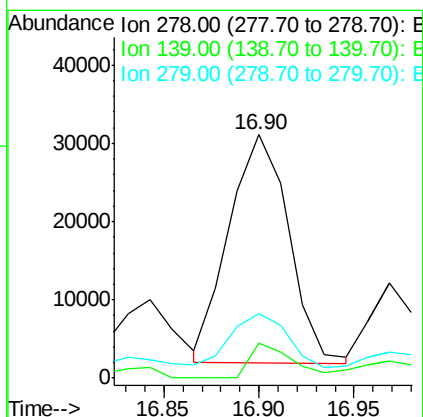
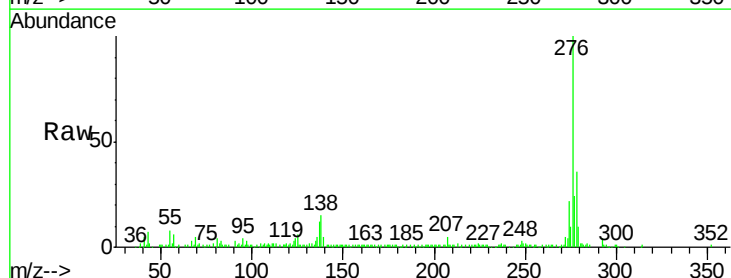
Manual Integrations
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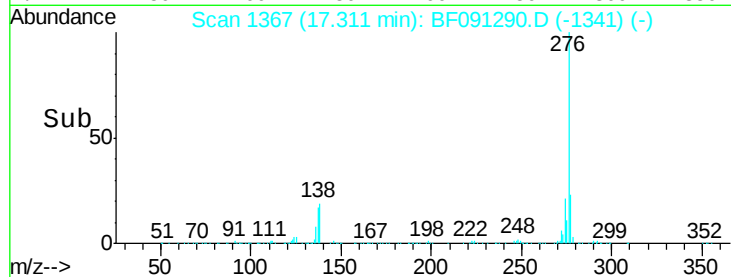
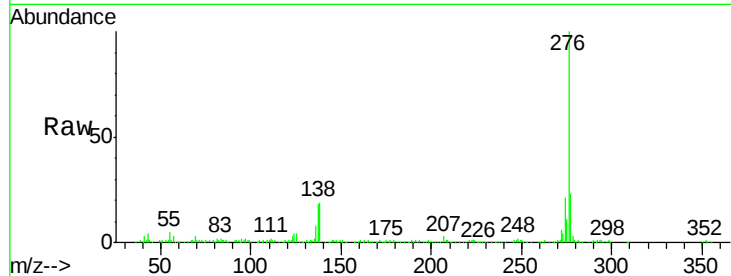
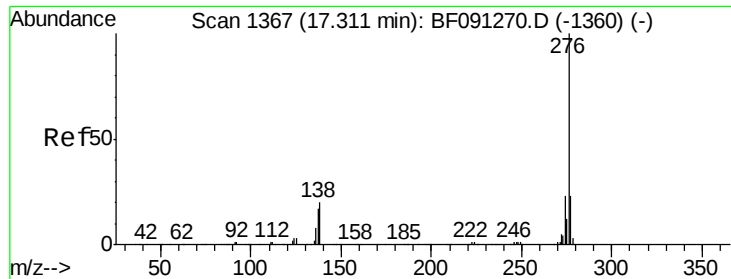
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#90
Dibenzo(a,h)anthracene
Concen: 2.54 ng m
RT: 16.90 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF091290.D
Acq: 23 Nov 2016 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	63879		
139	14.6	15.1	22.7	
279	26.3	19.0	28.6	





#91

Benzo(g,h,i)perylene

Concen: 9.92 ng

RT: 17.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BF091290.D

Acq: 23 Nov 2016 22:20

Instrument :

BNA_F

ClientSampleId :

SB-02(0-0.16)

Tgt Ion:	276	Resp:	247856
Ion Ratio		Lower	Upper
276	100		
277	23.2	19.0	28.4
138	19.4	15.4	23.0

Manual Integrations
APPROVED

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