

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091285.D
 Acq On : 23 Nov 2016 20:02
 Operator : UM/SJ
 Sample : H5740-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01(0-0.16)

Manual Integrations
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Quant Time: Nov 24 00:22:08 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	226596	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	927381	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	496072	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	760952	20.00	ng	0.00
75) Chrysene-d12	14.04	240	500827	20.00	ng	0.00
86) Perylene-d12	15.48	264	513603	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1354303	96.03	ng	0.01
7) Phenol-d6	6.51	99	1975954	109.05	ng	0.01
23) Nitrobenzene-d5	7.44	82	1097330	68.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	445399	89.03	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1716448	56.66	ng	0.00
78) Terphenyl-d14	12.99	244	1365246	62.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	72602	3.59	ng	75
49) Dimethylphthalate	9.63	163	122889	3.97	ng	98
51) Acenaphthene	9.95	154	99859	3.49	ng	98
54) Dibenzofuran	10.12	168	131576	3.27	ng	# 88
57) Fluorene	10.46	166	190873	6.21	ng	97
70) Phenanthrene	11.44	178	2667881	67.58	ng	99
71) Anthracene	11.48	178	615953	15.26	ng	97
72) Carbazole	11.63	167	279718	7.79	ng	# 96
74) Fluoranthene	12.62	202	3121929	77.75	ng	95
77) Pyrene	12.84	202	2238245	60.48	ng	98
80) Benzo(a)anthracene	14.03	228	1006179	35.40	ng	99
82) Chrysene	14.07	228	895486	33.34	ng	97
85) Indeno(1,2,3-cd)pyrene	16.89	276	539597	23.32	ng	# 92
87) Benzo(b)fluoranthene	15.07	252	1319808m	40.73	ng	
88) Benzo(k)fluoranthene	15.08	252	259603m	9.81	ng	
89) Benzo(a)pyrene	15.41	252	796838	28.91	ng	97
90) Dibenzo(a,h)anthracene	16.90	278	126141	4.96	ng	93
91) Benzo(g,h,i)perylene	17.32	276	518682	20.55	ng	98

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

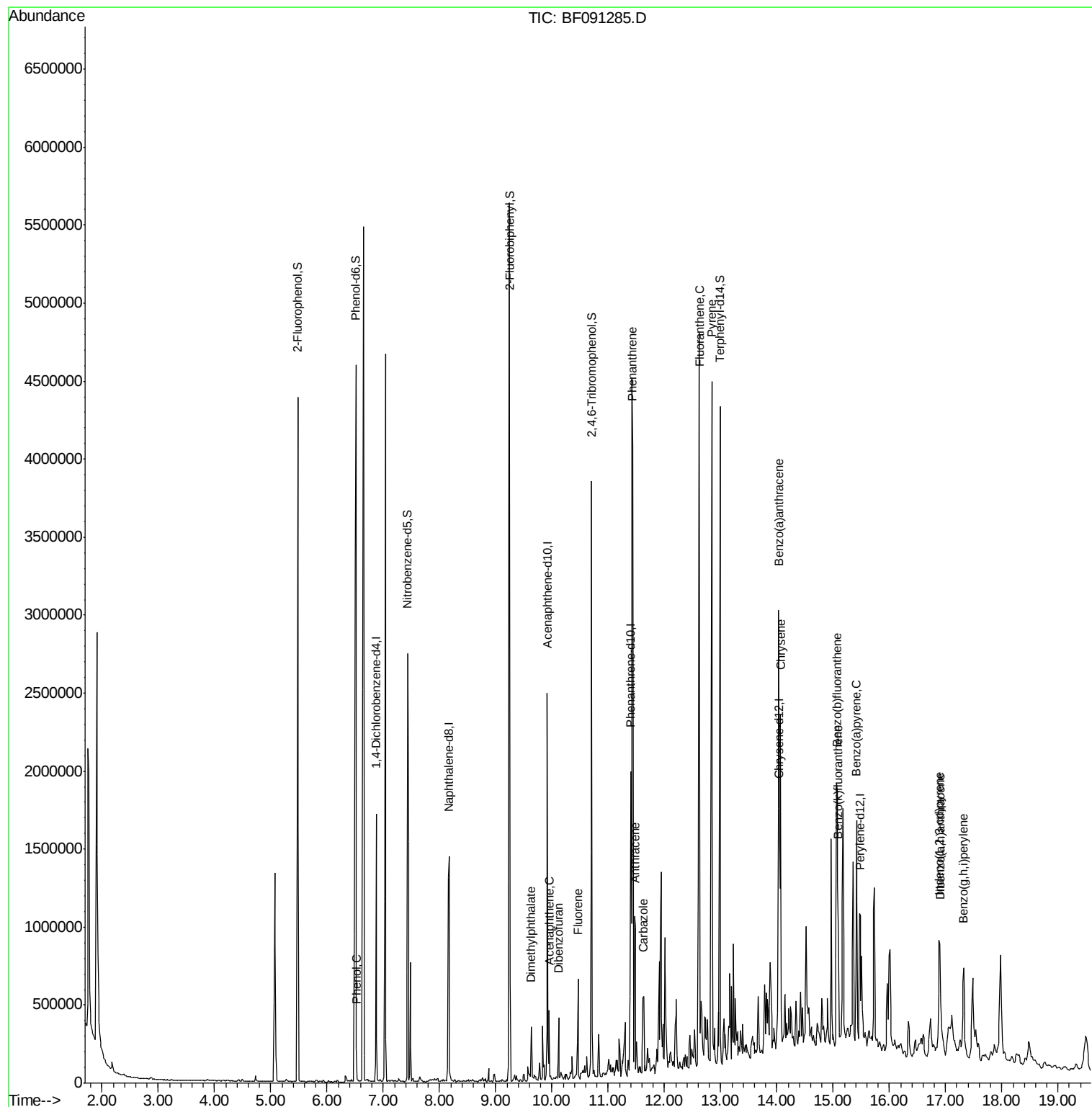
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091285.D
Acq On : 23 Nov 2016 20:02
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Misc :
ALS Vial : 8 Sample Multiplier: 1

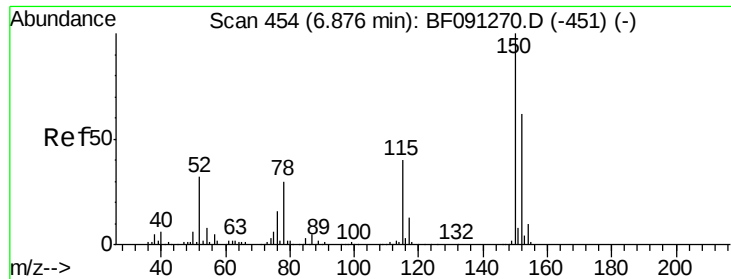
Instrument :
BNA_F
ClientSampleId :
SB-01(0-0.16)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 23 13:22:53 2016
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#1

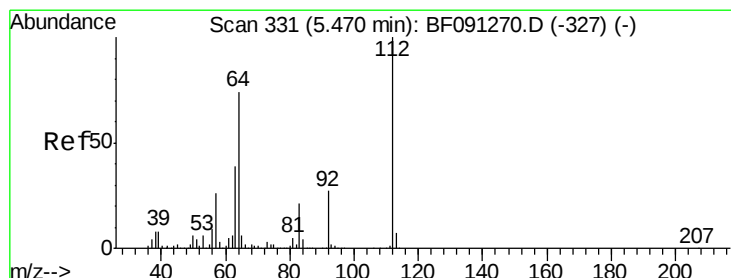
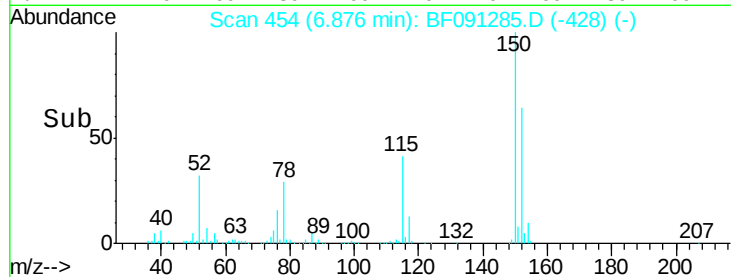
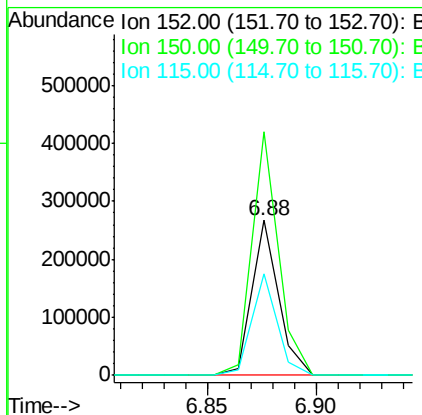
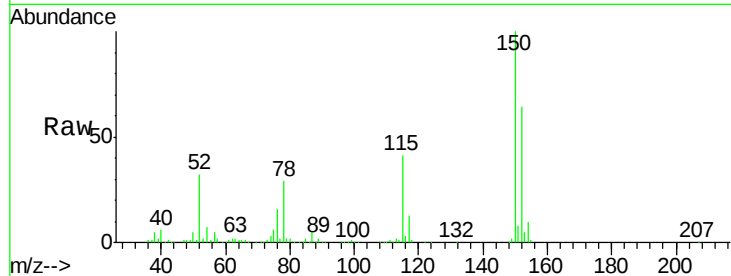
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 454
Delta R.T. 0.00 min
Lab File: BF091285.D
Acq: 23 Nov 2016 20:02

Instrument :
BNA_F
ClientSampleId :
SB-01(0-0.16)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.3	122.5	183.7
115	65.3	51.8	77.8

Manual Integrations
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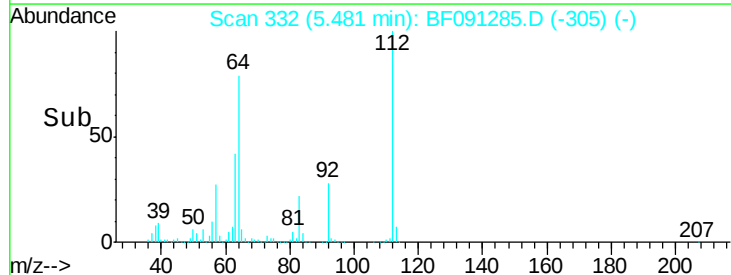
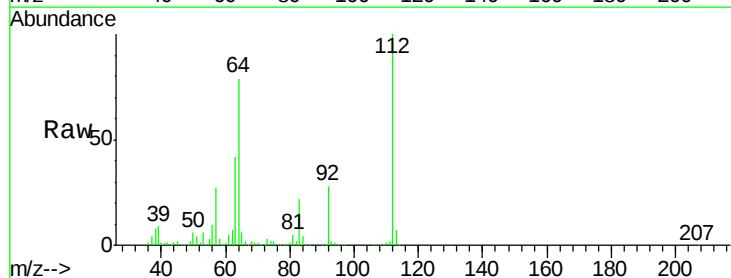
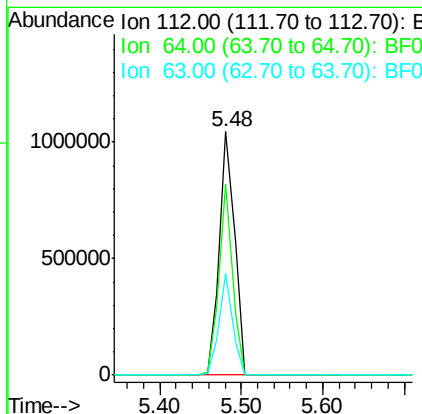
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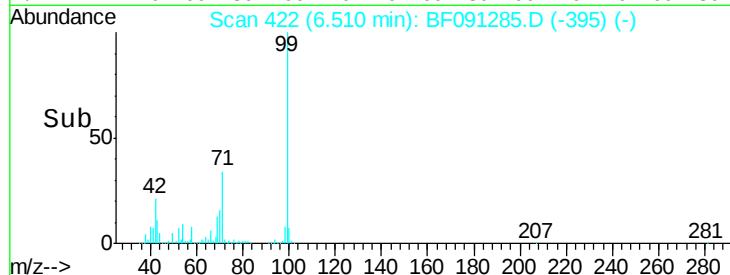
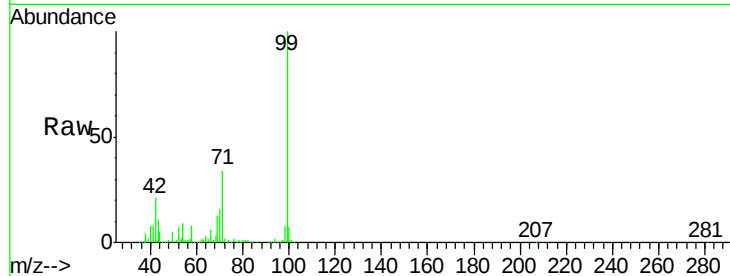
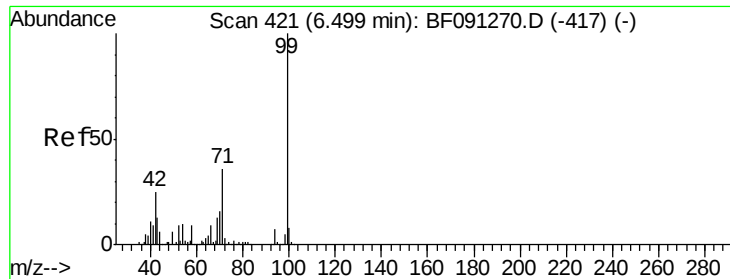


#5

2-Fluorophenol
Concen: 96.03 ng
RT: 5.48 min Scan# 332
Delta R.T. 0.01 min
Lab File: BF091285.D
Acq: 23 Nov 2016 20:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.5	61.5	92.3
63	41.8	33.3	49.9





#7

Phenol-d6

Concen: 109.05 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091285.D

Acq: 23 Nov 2016 20:02

Tgt Ion:	99	Resp:	1975954
Ion	Ratio	Lower	Upper
99	100		
42	20.6	20.6	31.0#
71	34.5	29.9	44.9

Instrument :

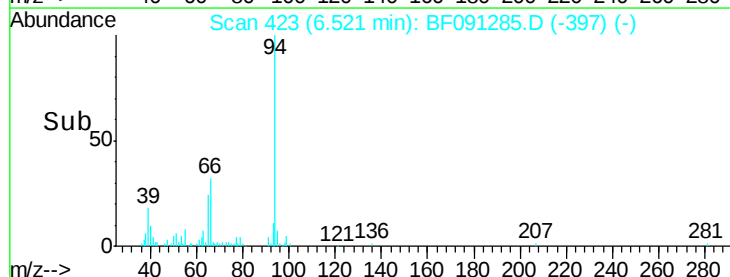
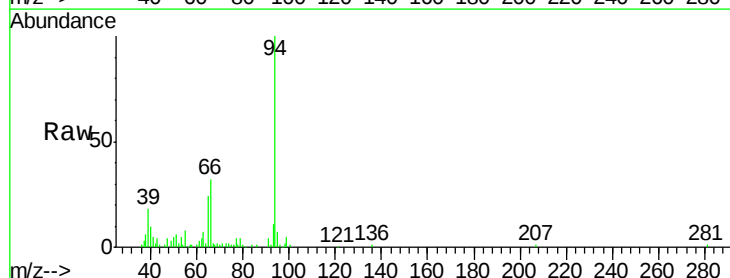
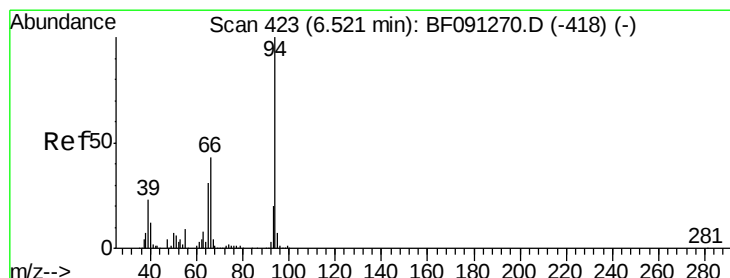
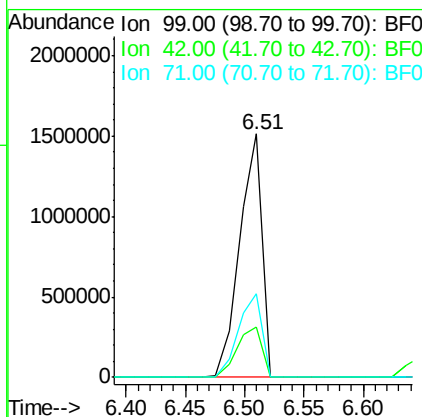
BNA_F

ClientSampleId :

SB-01(0-0.16)

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#10

Phenol

Concen: 3.59 ng

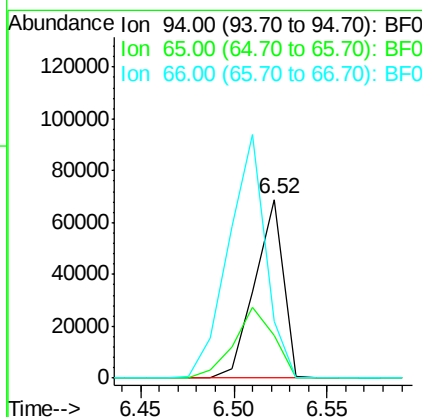
RT: 6.52 min Scan# 423

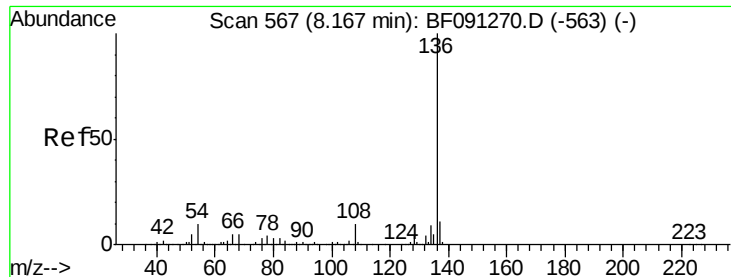
Delta R.T. 0.00 min

Lab File: BF091285.D

Acq: 23 Nov 2016 20:02

Tgt Ion:	94	Resp:	72602
Ion	Ratio	Lower	Upper
94	100		
65	24.1	16.9	56.9
66	31.8	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: BF091285.D

Acq: 23 Nov 2016 20:02

Instrument :

BNA_F

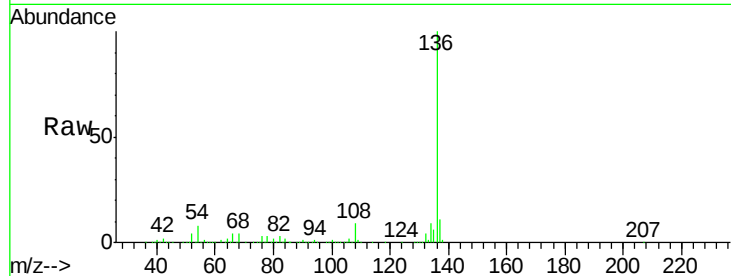
ClientSampleId :

SB-01(0-0.16)

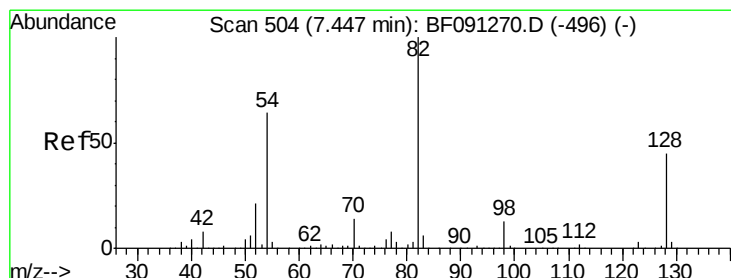
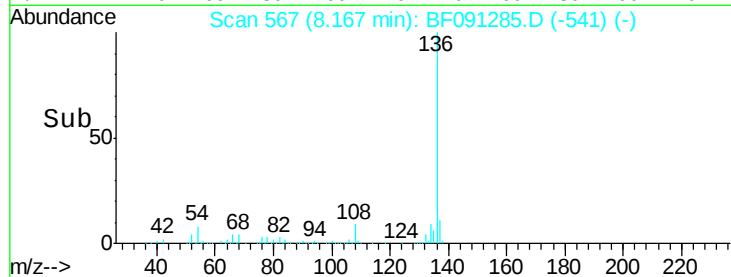
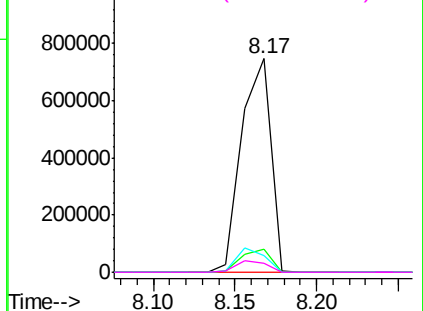
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	7.7	9.1	13.7#
68	4.1	5.9	8.9#

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Abundance Ion 136.00 (135.70 to 136.70): E



#23

Nitrobenzene-d5

Concen: 68.12 ng

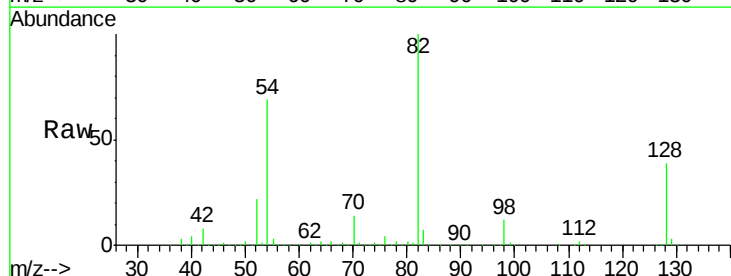
RT: 7.44 min Scan# 503

Delta R.T. -0.01 min

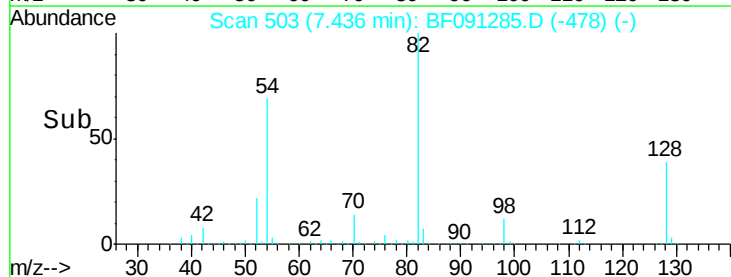
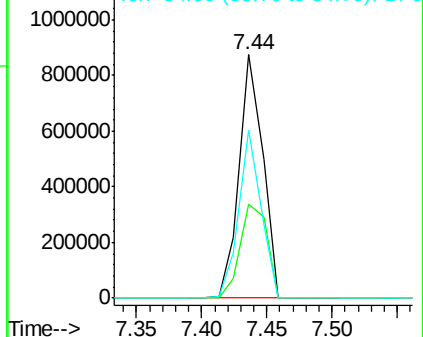
Lab File: BF091285.D

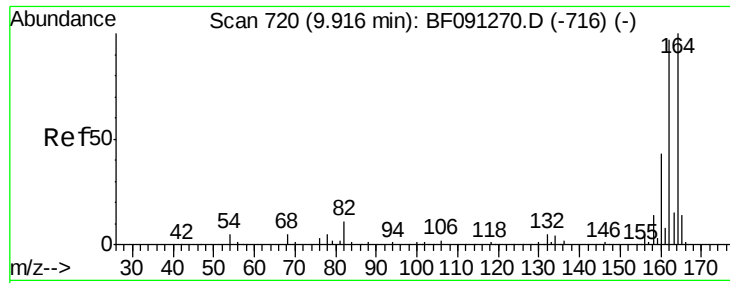
Acq: 23 Nov 2016 20:02

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.6	31.8	47.6
54	69.1	49.1	73.7



Abundance Ion 82.00 (81.70 to 82.70): BF0





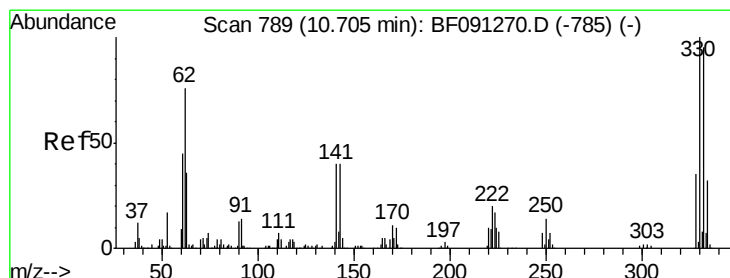
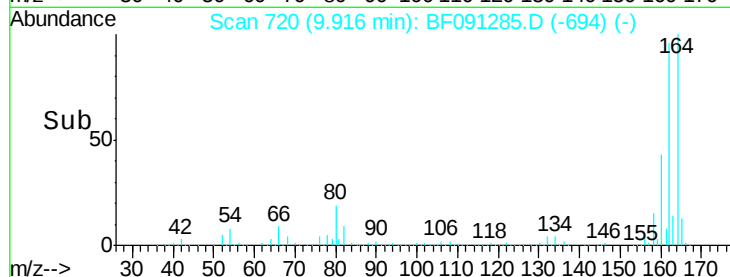
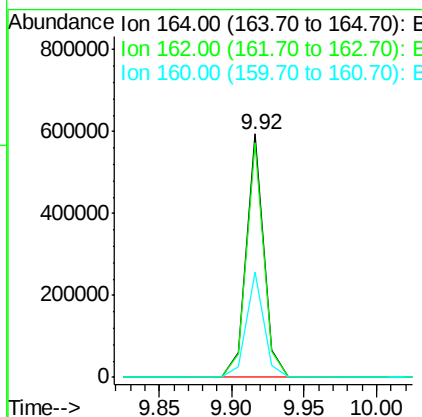
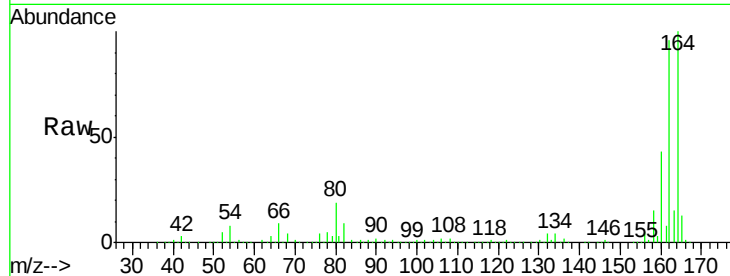
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF091285.D
Acq: 23 Nov 2016 20:02

Instrument :
BNA_F
ClientSampleId :
SB-01(0-0.16)

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	496072		
162	96.4	82.6	124.0	
160	43.4	36.7	55.1	

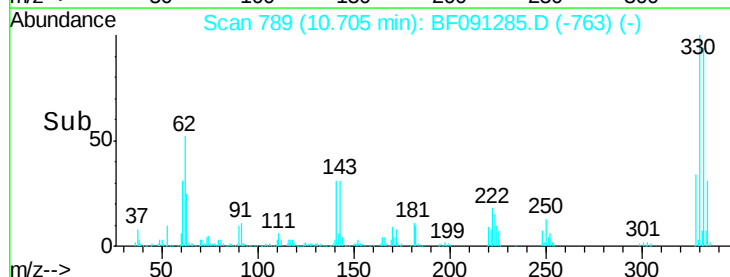
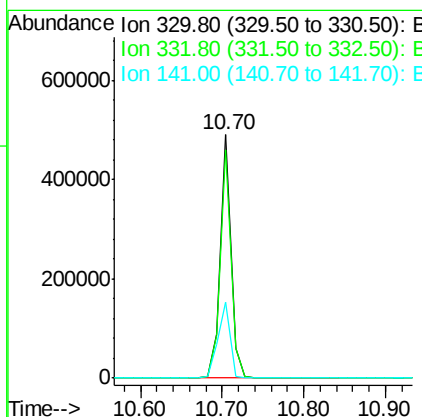
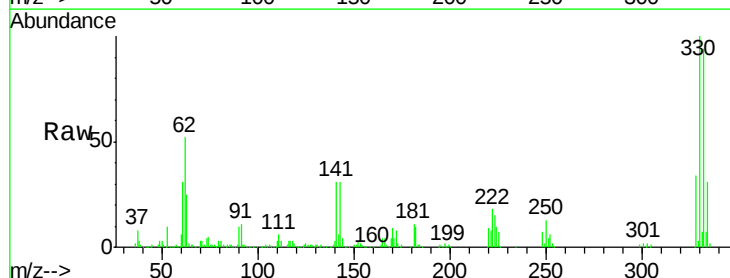
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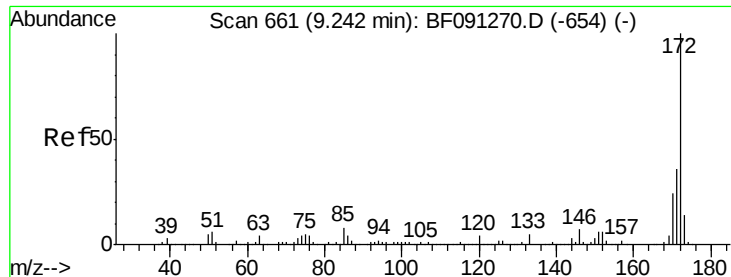
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#41
2,4,6-Tribromophenol
Concen: 89.03 ng
RT: 10.70 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF091285.D
Acq: 23 Nov 2016 20:02

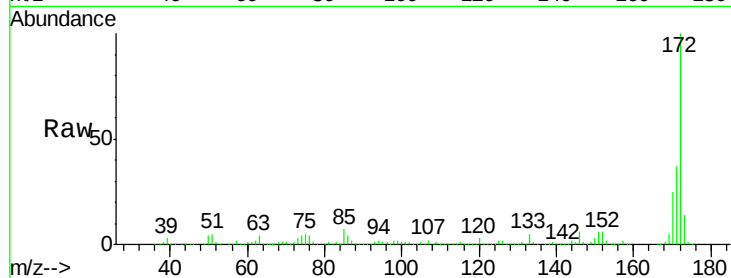
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	445399		
332	94.6	76.2	114.4	
141	35.5	33.6	50.4	





#44
 2-Fluorobiphenyl
 Concen: 56.66 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091285.D
 Acq: 23 Nov 2016 20:02

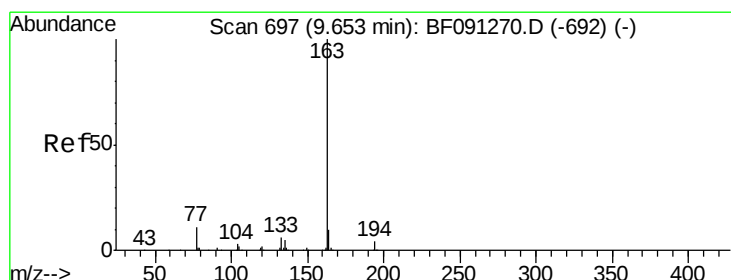
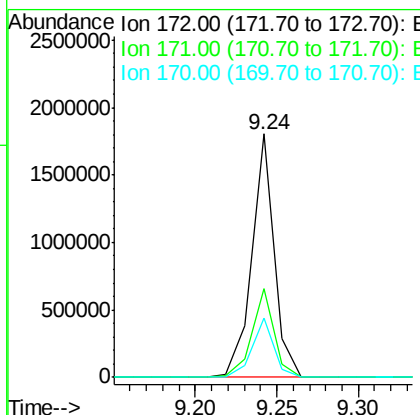
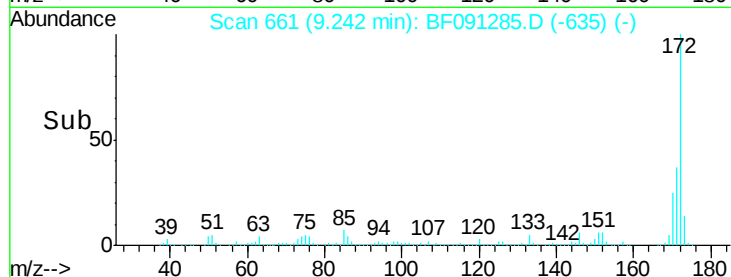
Instrument :
 BNA_F
 ClientSampleId :
 SB-01(0-0.16)



Tgt Ion:172 Resp: 1716448
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 24.6 19.7 29.5

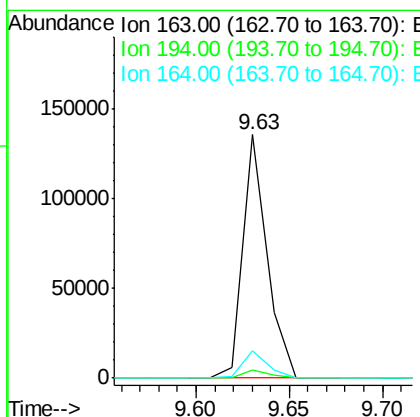
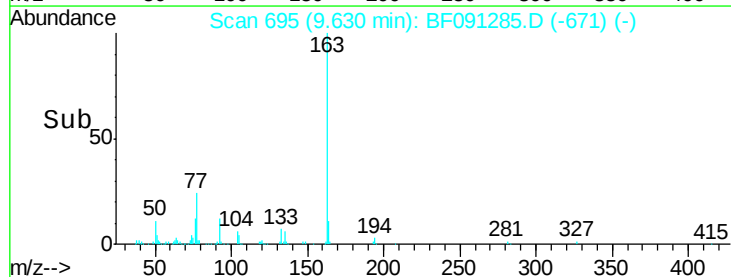
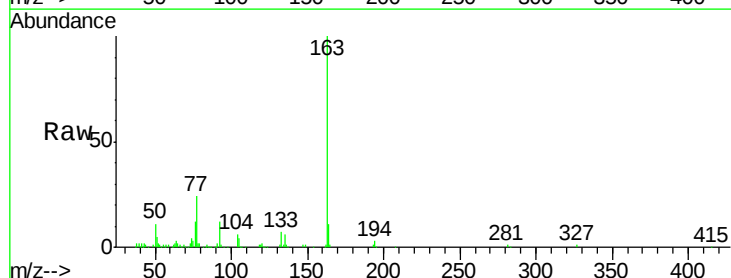
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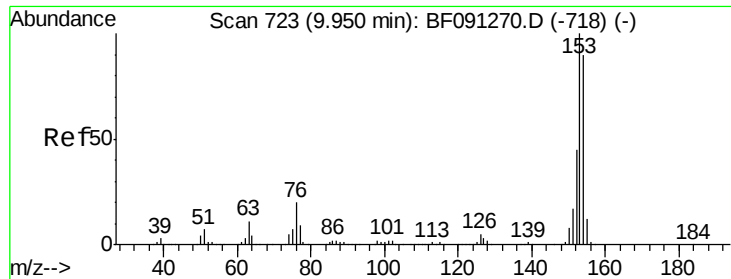
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#49
 Dimethylphthalate
 Concen: 3.97 ng
 RT: 9.63 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BF091285.D
 Acq: 23 Nov 2016 20:02

Tgt Ion:163 Resp: 122889
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.0 4.4
 164 11.0 7.8 11.8





#51

Acenaphthene

Concen: 3.49 ng

RT: 9.95 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF091285.D

Acq: 23 Nov 2016 20:02

Instrument :

BNA_F

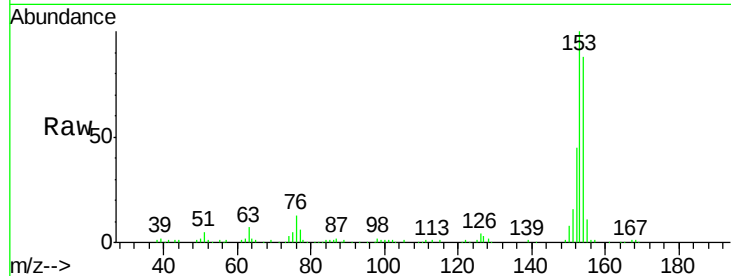
ClientSampleId :

SB-01(0-0.16)

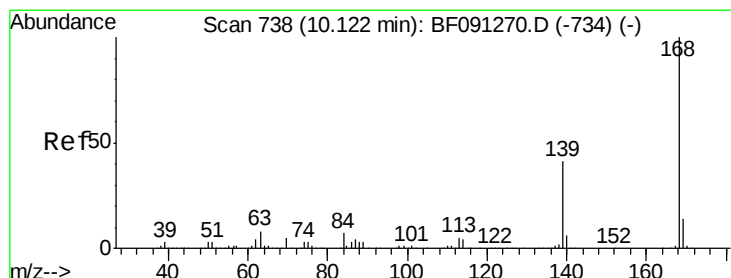
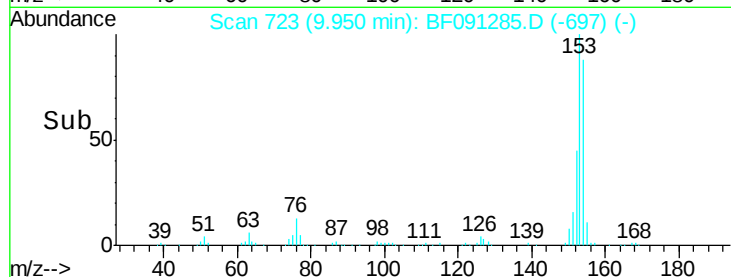
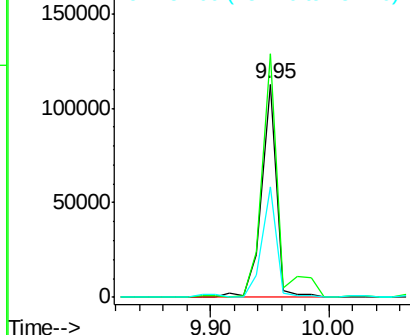
Tgt Ion:	154	Resp:	99859
Ion Ratio	Lower	Upper	
154	100		
153	114.3	91.0	136.6
152	51.6	44.2	66.2

Manual Integrations
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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

Dibenzofuran

Concen: 3.27 ng

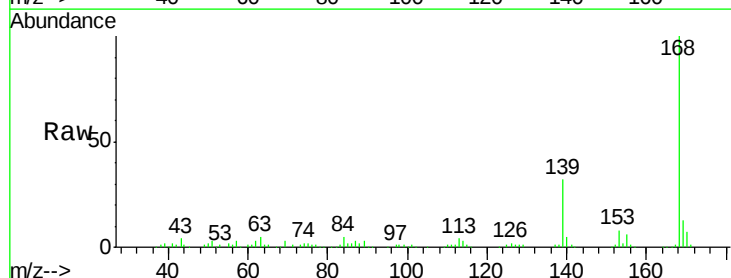
RT: 10.12 min Scan# 738

Delta R.T. 0.00 min

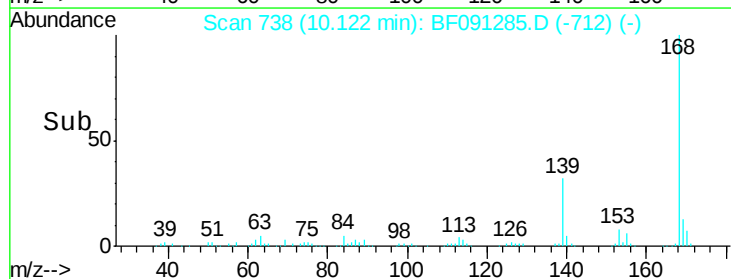
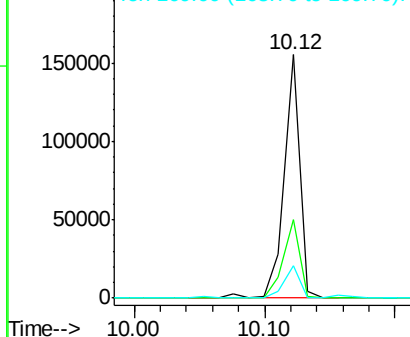
Lab File: BF091285.D

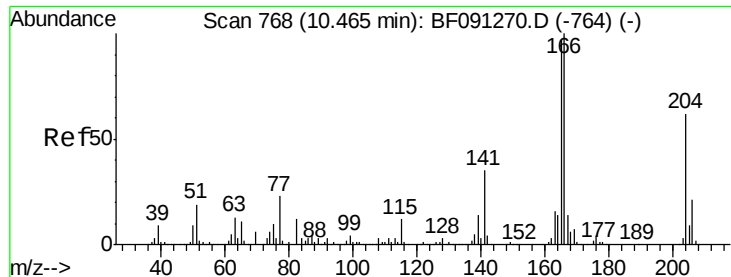
Acq: 23 Nov 2016 20:02

Tgt Ion:	168	Resp:	131576
Ion Ratio	Lower	Upper	
168	100		
139	32.4	33.4	50.2#
169	13.1	11.1	16.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





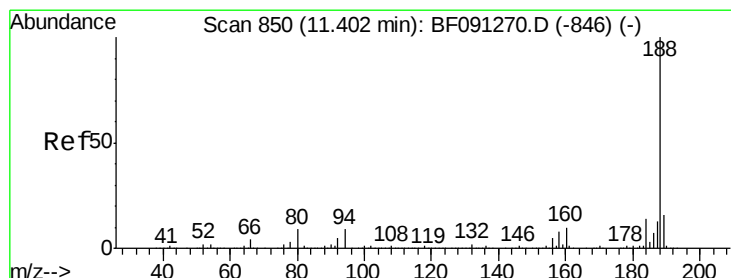
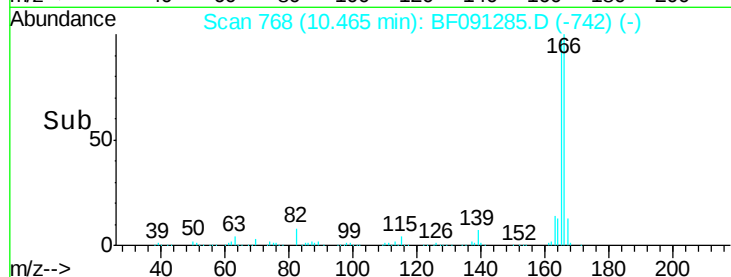
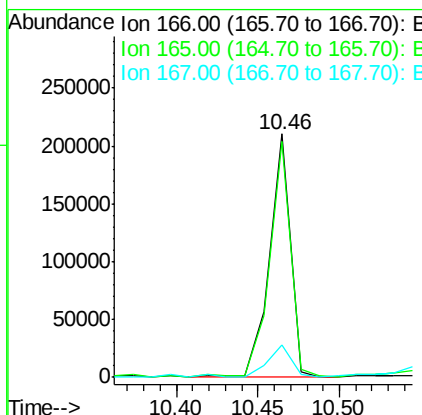
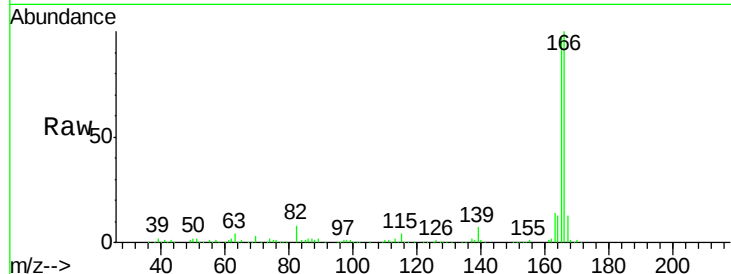
#57
Fluorene
 Concen: 6.21 ng
 RT: 10.46 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF091285.D
 Acq: 23 Nov 2016 20:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-01(0-0.16)

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	80.0	120.0
167	13.3	10.8	16.2

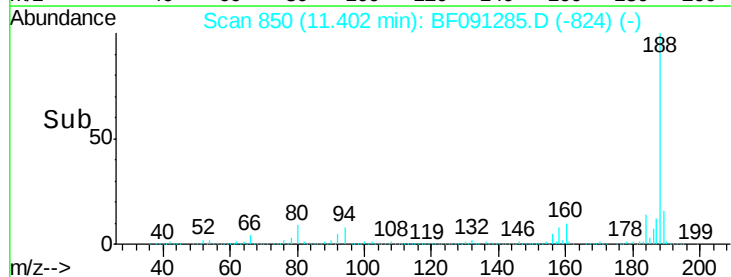
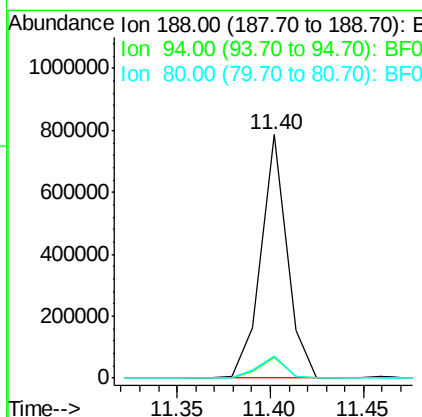
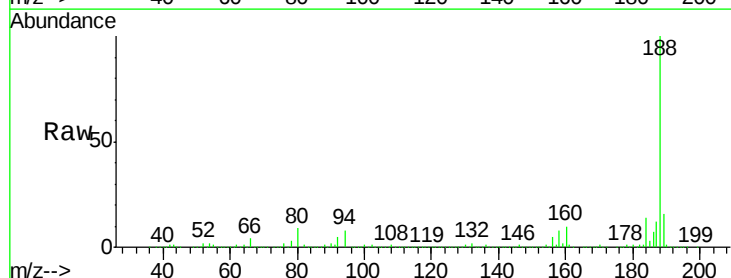
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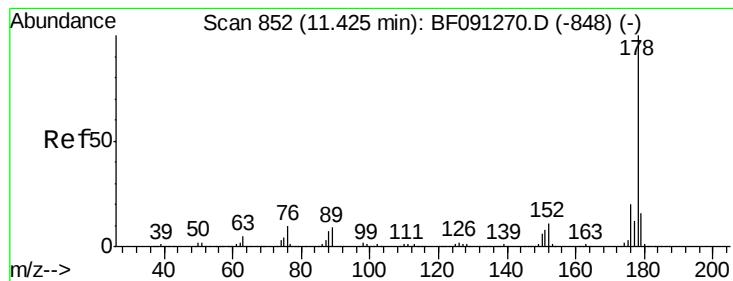
sohil
 11/28/2016 4:52:58 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: BF091285.D
 Acq: 23 Nov 2016 20:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	9.2	13.8#
80	9.3	10.5	15.7#





#70

Phenanthrene

Concen: 67.58 ng

RT: 11.44 min Scan# 853

Delta R.T. 0.01 min

Lab File: BF091285.D

Acq: 23 Nov 2016 20:02

Instrument :

BNA_F

ClientSampleId :

SB-01(0-0.16)

Tgt Ion:178 Resp: 2667881

Ion Ratio Lower Upper

178 100

176 20.3 15.9 23.9

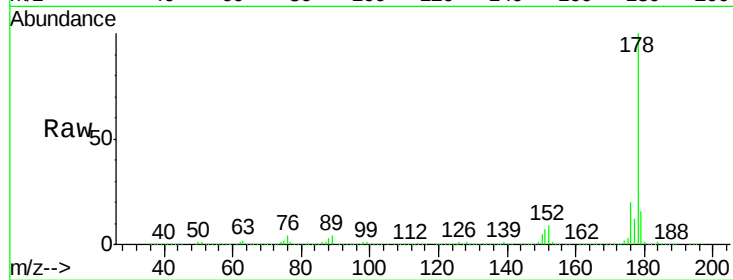
179 15.5 12.6 18.8

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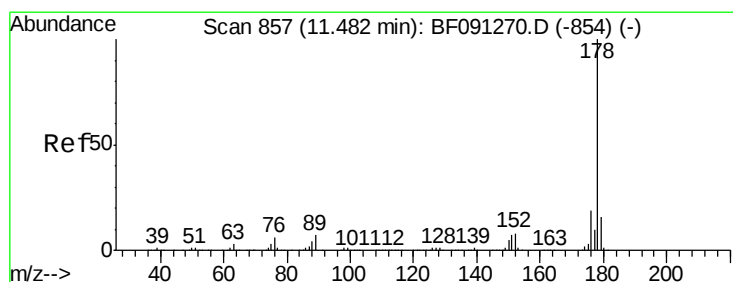
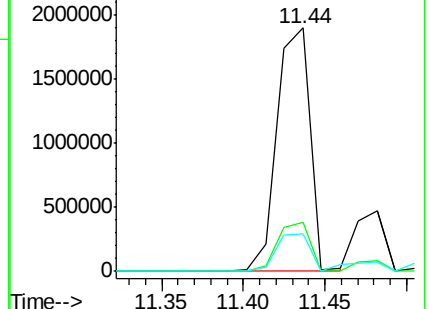
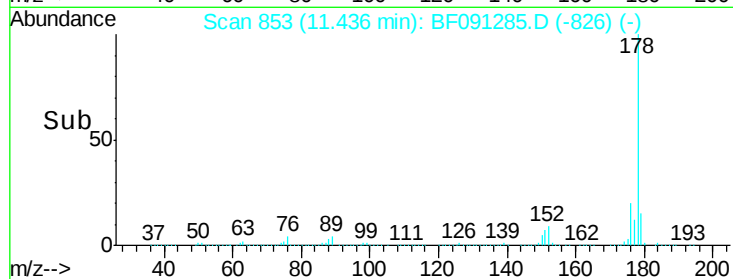
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 15.26 ng

RT: 11.48 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF091285.D

Acq: 23 Nov 2016 20:02

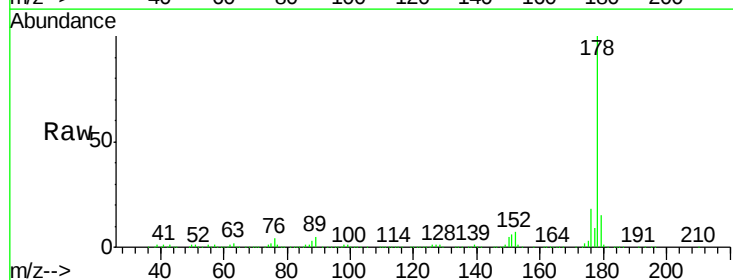
Tgt Ion:178 Resp: 615953

Ion Ratio Lower Upper

178 100

176 18.2 15.8 23.6

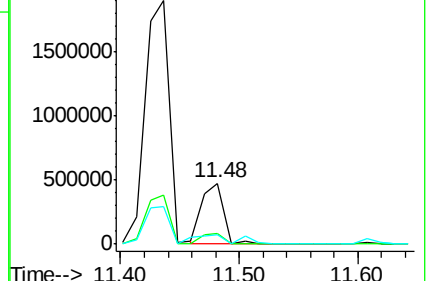
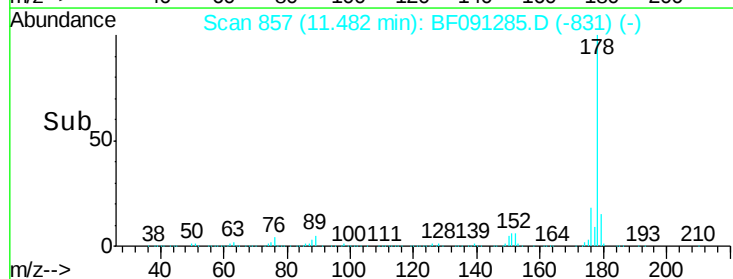
179 15.1 12.7 19.1

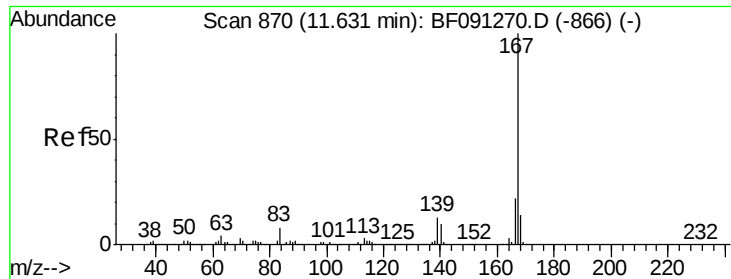


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 7.79 ng

RT: 11.63 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF091285.D

Acq: 23 Nov 2016 20:02

Instrument :

BNA_F

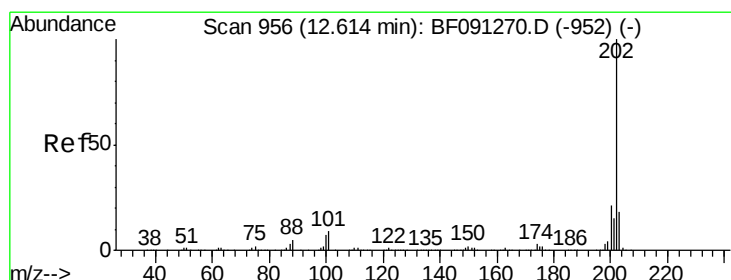
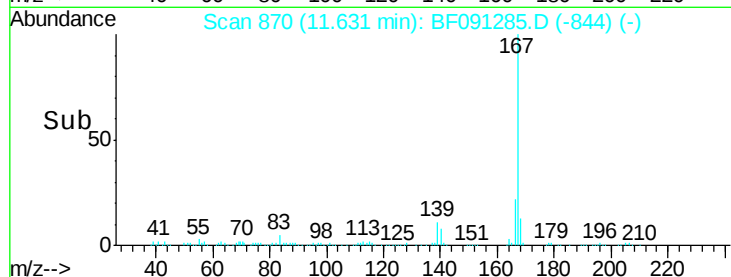
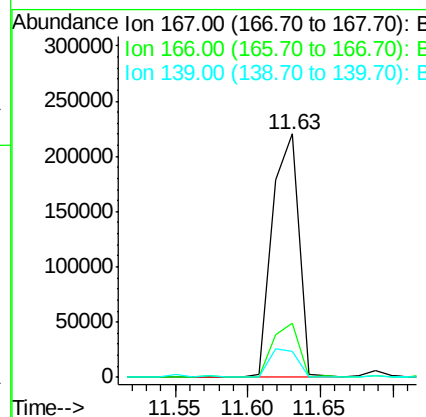
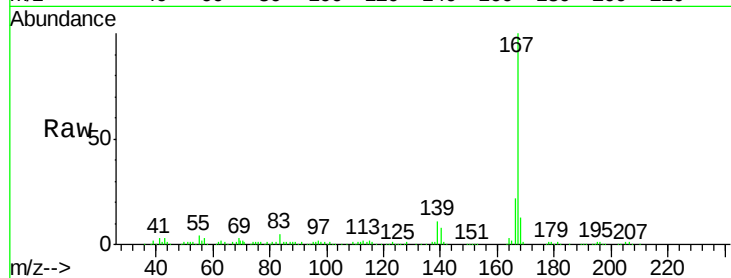
ClientSampleId :

SB-01(0-0.16)

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	279718		
166	22.2	18.1	27.1	
139	10.9	11.5	17.3	

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#74

Fluoranthene

Concen: 77.75 ng

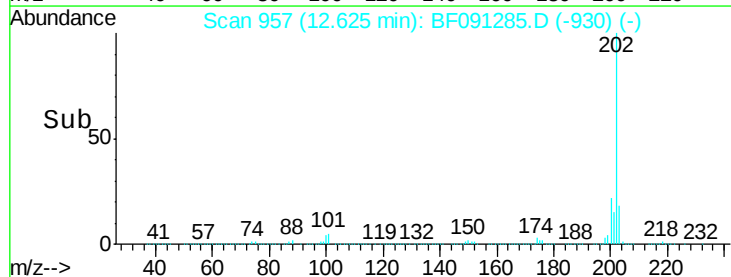
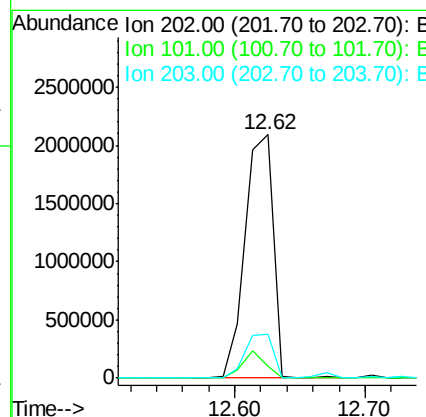
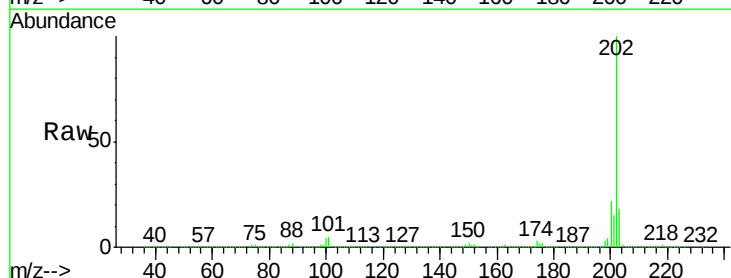
RT: 12.62 min Scan# 957

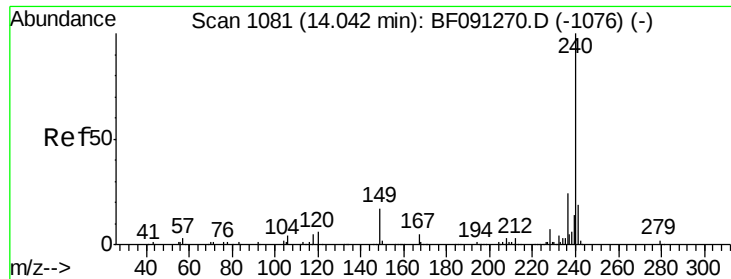
Delta R.T. 0.01 min

Lab File: BF091285.D

Acq: 23 Nov 2016 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3121929		
101	4.8	0.0	29.5	
203	18.1	0.0	37.8	





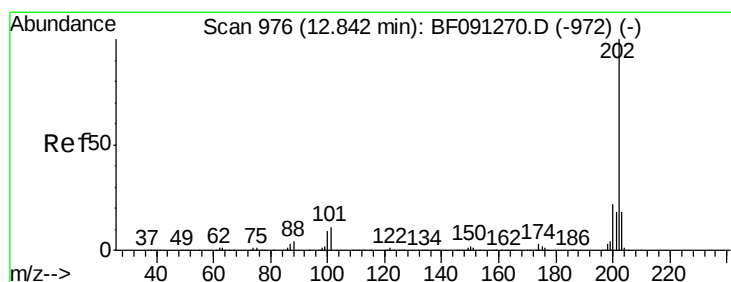
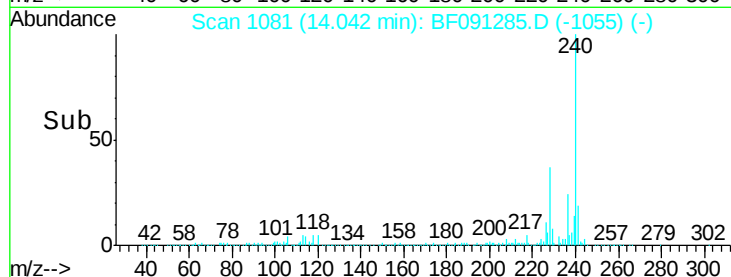
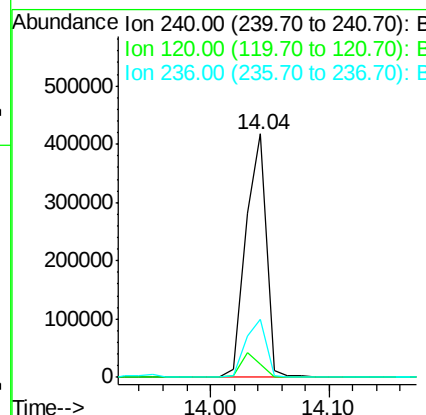
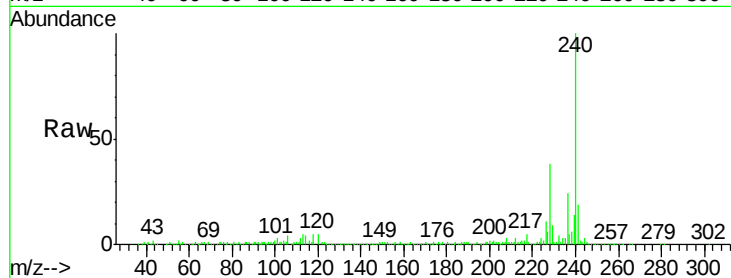
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 1081
Delta R.T. 0.00 min
Lab File: BF091285.D
Acq: 23 Nov 2016 20:02

Instrument :
BNA_F
ClientSampleId :
SB-01(0-0.16)

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.4	12.1	18.1#
236	23.9	21.0	31.6

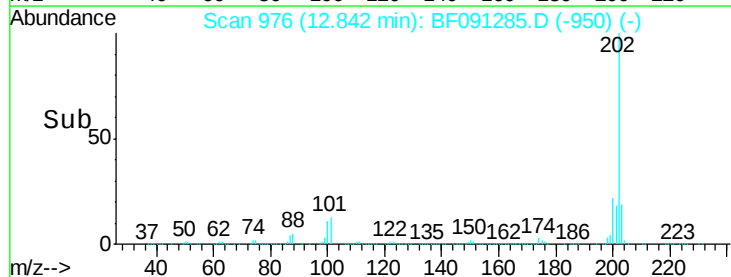
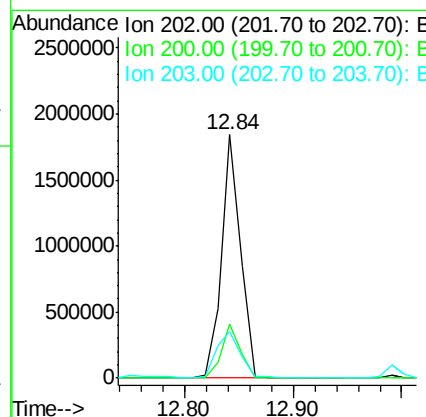
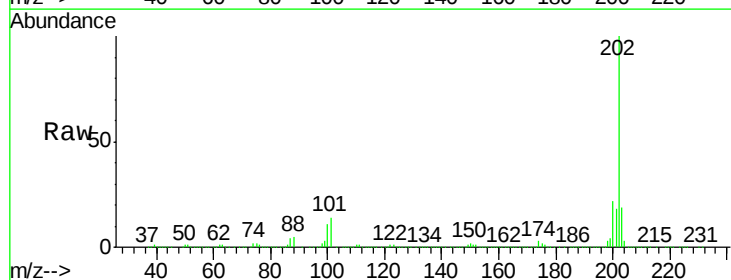
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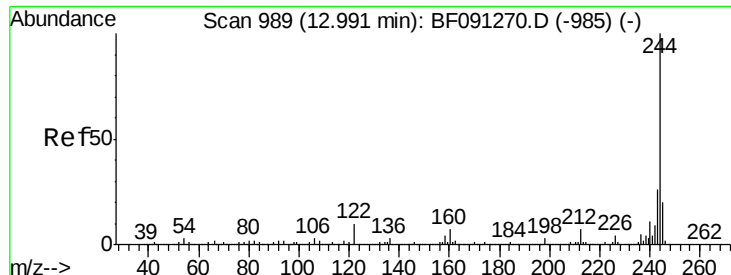
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#77
Pyrene
Concen: 60.48 ng
RT: 12.84 min Scan# 976
Delta R.T. 0.00 min
Lab File: BF091285.D
Acq: 23 Nov 2016 20:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.6	26.4
203	19.4	14.0	21.0





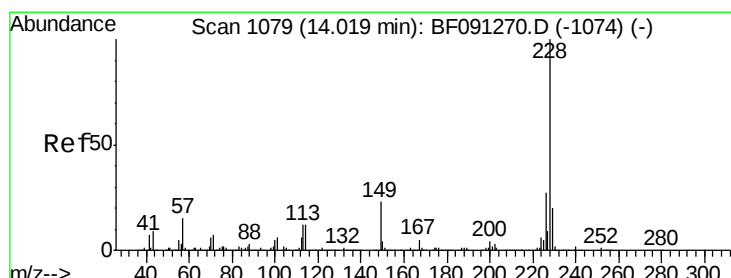
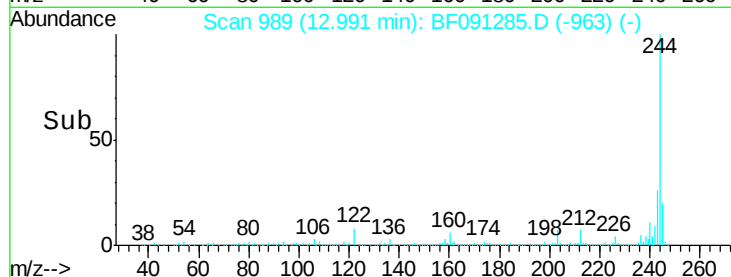
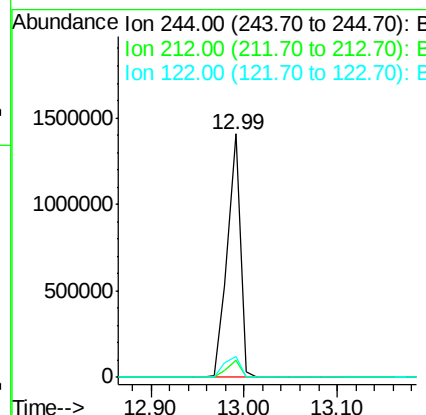
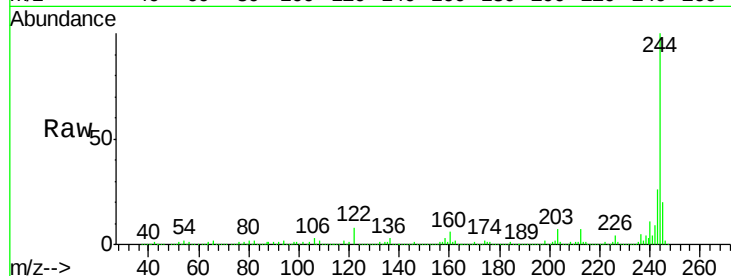
#78
 Terphenyl-d14
 Concen: 62.26 ng
 RT: 12.99 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: BF091285.D
 Acq: 23 Nov 2016 20:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-01(0-0.16)

Tgt Ion:244 Resp: 1365246
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 8.5 9.5 14.3#

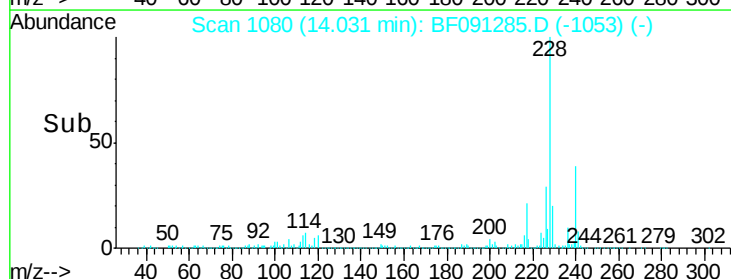
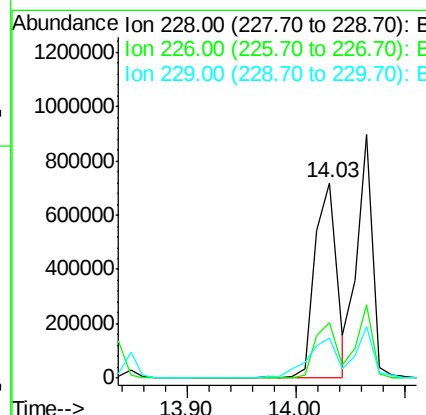
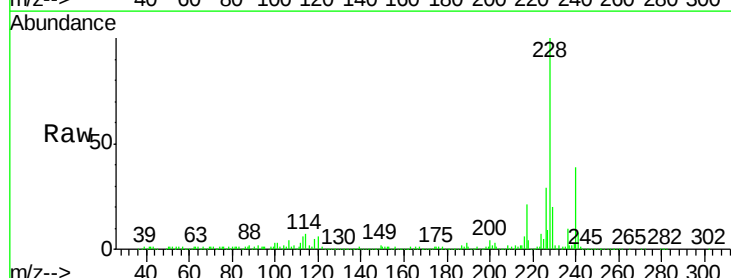
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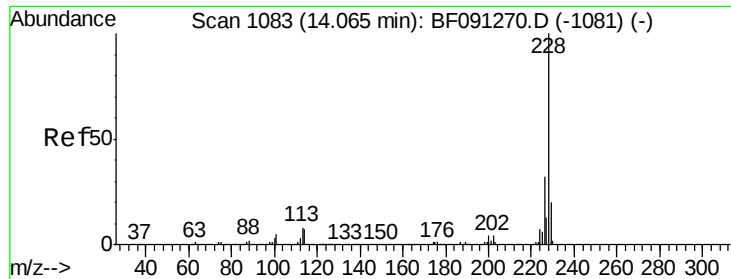
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#80
 Benzo(a)anthracene
 Concen: 35.40 ng
 RT: 14.03 min Scan# 1080
 Delta R.T. 0.01 min
 Lab File: BF091285.D
 Acq: 23 Nov 2016 20:02

Tgt Ion:228 Resp: 1006179
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.5 33.7
 229 20.4 16.4 24.6





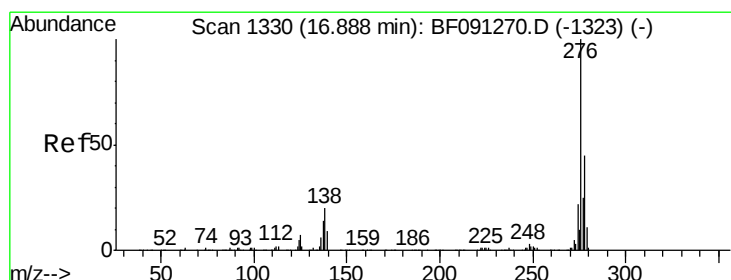
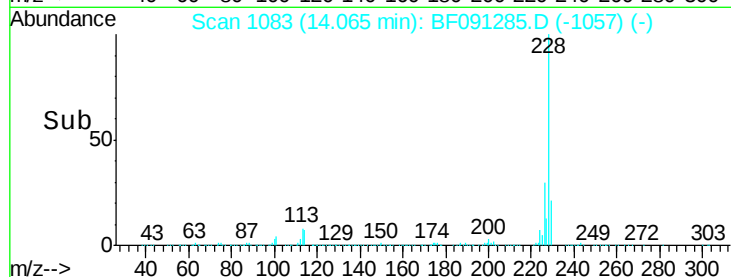
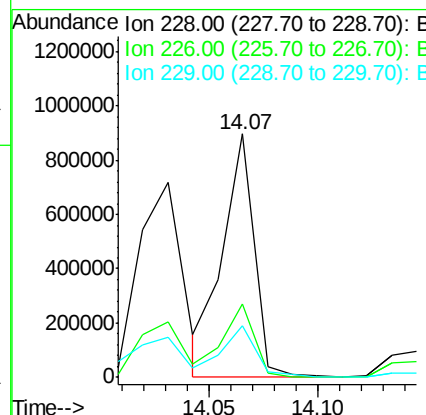
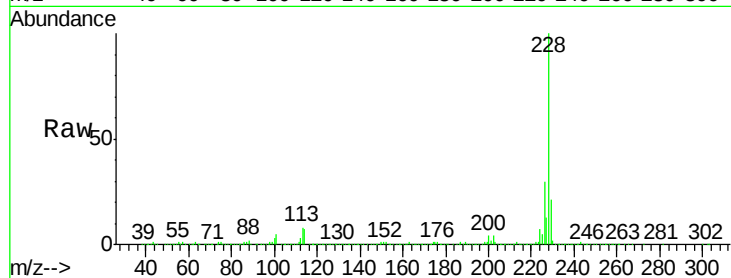
#82
Chrysene
Concen: 33.34 ng
RT: 14.07 min Scan# 1083
Delta R.T. 0.00 min
Lab File: BF091285.D
Acq: 23 Nov 2016 20:02

Instrument :
BNA_F
ClientSampleId :
SB-01(0-0.16)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.4
229	21.3	16.0	24.0

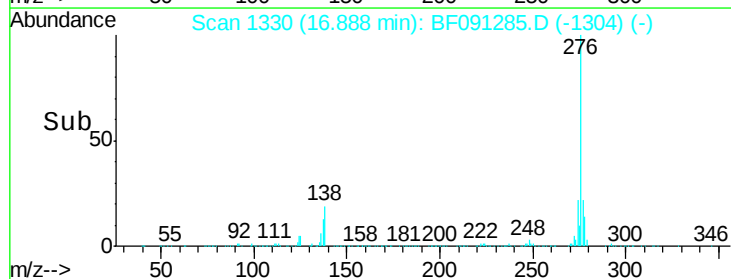
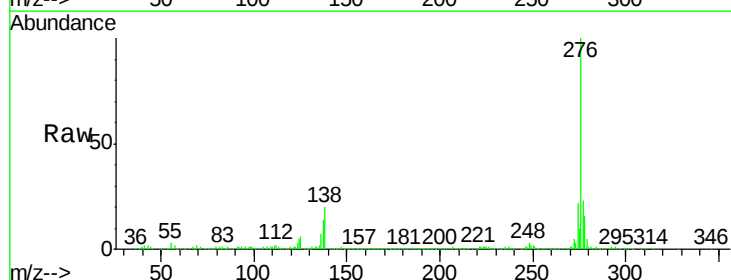
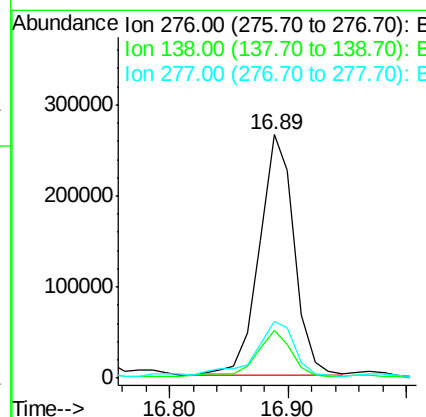
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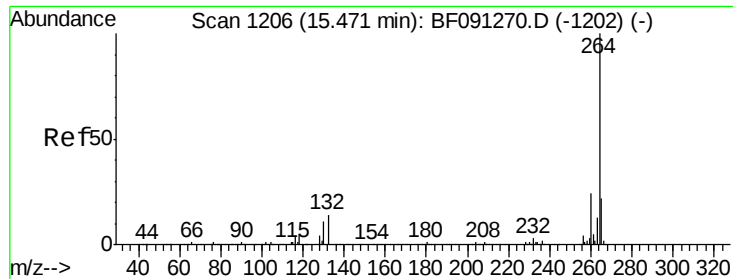
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#85
Indeno(1,2,3-cd)pyrene
Concen: 23.32 ng
RT: 16.89 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF091285.D
Acq: 23 Nov 2016 20:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	21.0	31.4#
277	27.2	20.2	30.2





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1207

Delta R.T. 0.01 min

Lab File: BF091285.D

Acq: 23 Nov 2016 20:02

Instrument :

BNA_F

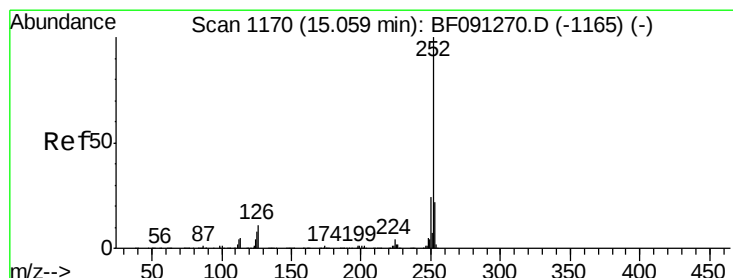
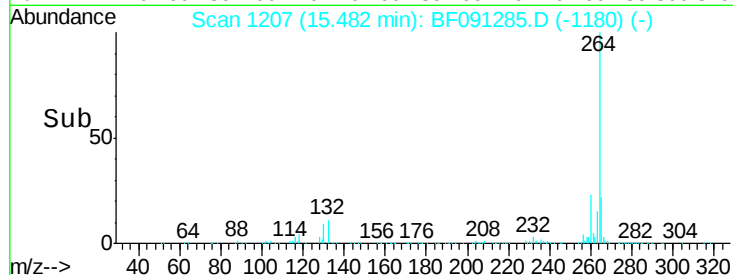
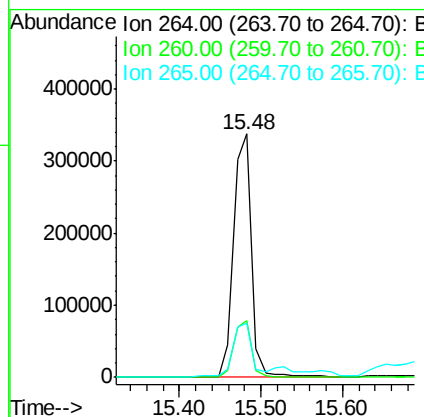
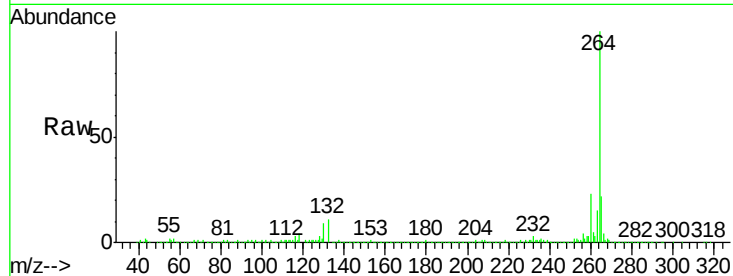
ClientSampleId :

SB-01(0-0.16)

Tgt Ion:	264	Resp:	513603
Ion Ratio		Lower	Upper
264	100		
260	23.2	18.8	28.2
265	22.5	17.0	25.6

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#87

Benzo(b)fluoranthene

Concen: 40.73 ng m

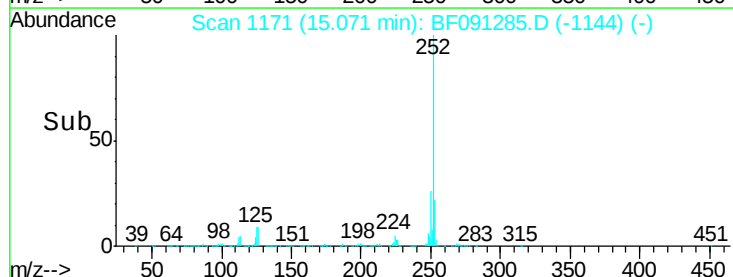
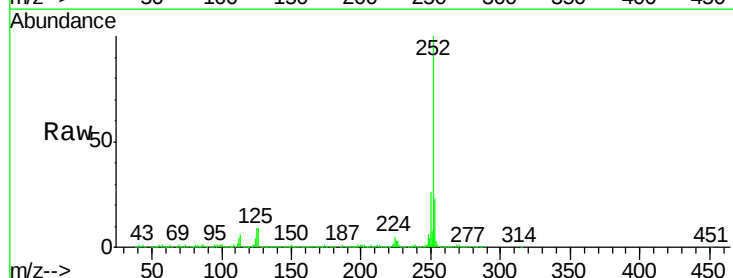
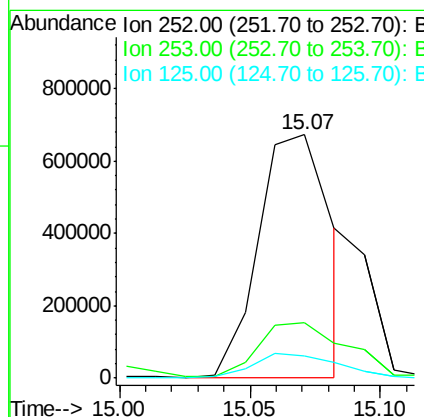
RT: 15.07 min Scan# 1171

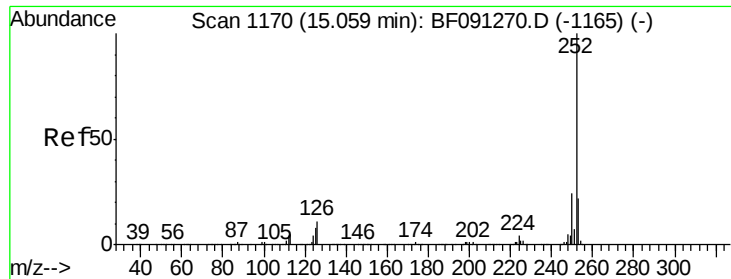
Delta R.T. 0.01 min

Lab File: BF091285.D

Acq: 23 Nov 2016 20:02

Tgt Ion:	252	Resp:	1319808
Ion Ratio		Lower	Upper
252	100		
253	22.5	18.2	27.2
125	9.0	8.6	13.0





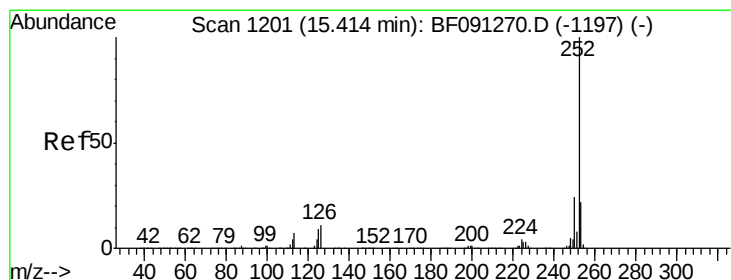
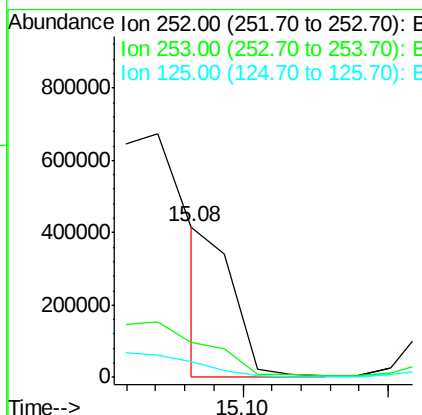
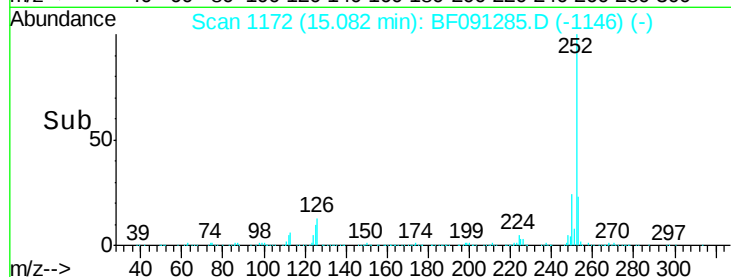
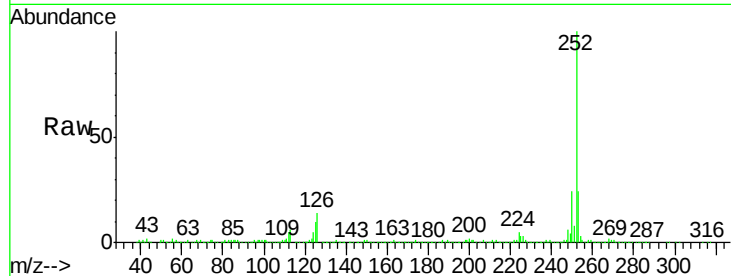
#88
Benzo(k)fluoranthene
Concen: 9.81 ng m
RT: 15.08 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF091285.D
Acq: 23 Nov 2016 20:02

Instrument :
BNA_F
ClientSampleId :
SB-01(0-0.16)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	10.3	9.6	14.4

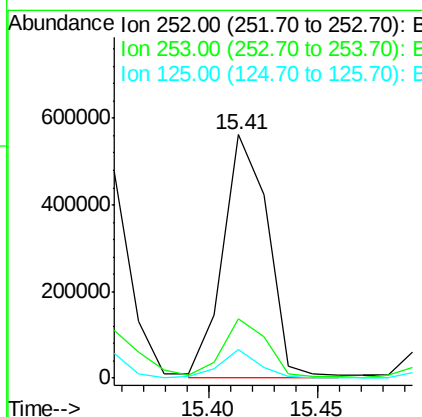
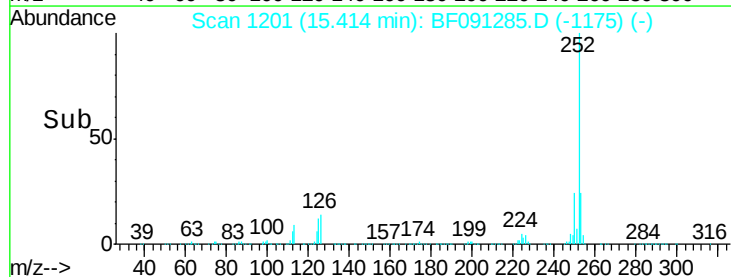
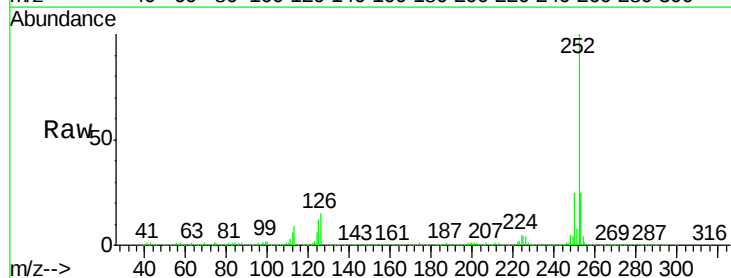
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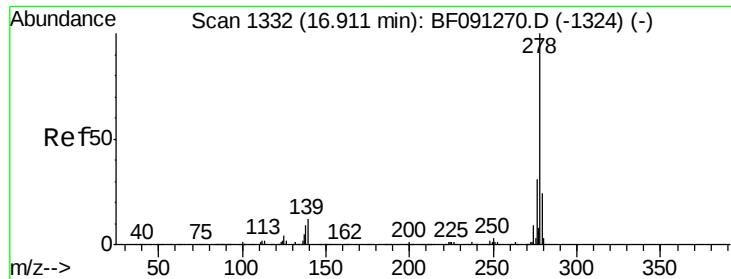
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#89
Benzo(a)pyrene
Concen: 28.91 ng
RT: 15.41 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF091285.D
Acq: 23 Nov 2016 20:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.4
125	11.8	10.4	15.6





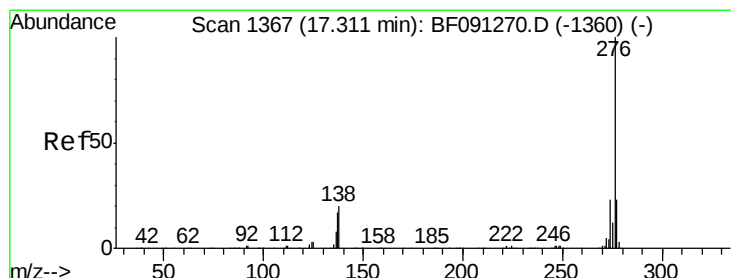
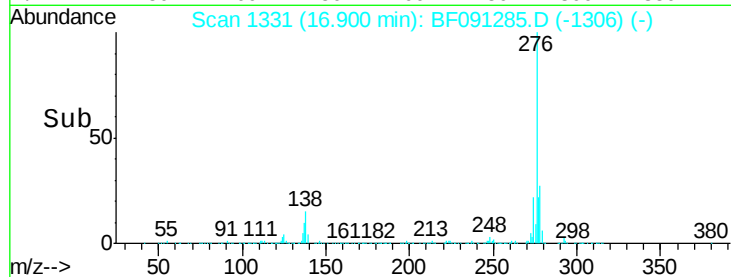
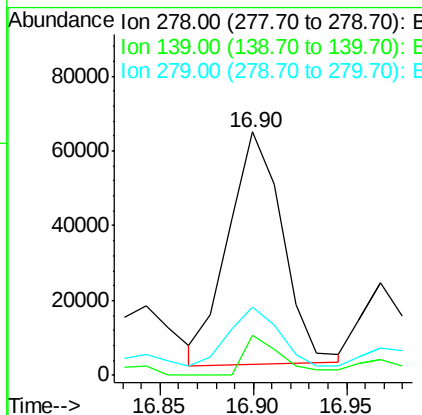
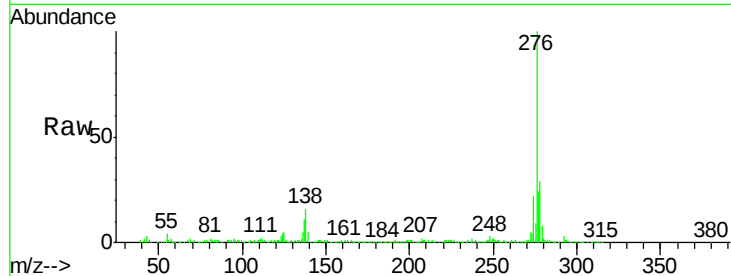
#90
 Dibenzo(a,h)anthracene
 Concen: 4.96 ng
 RT: 16.90 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF091285.D
 Acq: 23 Nov 2016 20:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-01(0-0.16)

Tgt Ion:	278	Resp:	126141
Ion Ratio	Lower	Upper	
278	100		
139	16.6	15.1	22.7
279	28.2	19.0	28.6

Manual Integrations
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#91
 Benzo(g,h,i)perylene
 Concen: 20.55 ng
 RT: 17.32 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: BF091285.D
 Acq: 23 Nov 2016 20:02

Tgt Ion:	276	Resp:	518682
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.0	28.4
138	17.6	15.4	23.0

