

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
 Data File : BF091047.D
 Acq On : 5 Nov 2016 3:30
 Operator : UM/SJ
 Sample : H5509-03DL 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-92-1.5-2.0DL

Manual Integrations
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Quant Time: Nov 05 03:04:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	173909	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	674310	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	317836	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	407058	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	369238	20.00	ng	0.00
86) Perylene-d12	15.24	264	274040	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	381209	36.20	ng	0.00
7) Phenol-d6	6.35	99	526886	36.86	ng	0.00
23) Nitrobenzene-d5	7.26	82	293165	23.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	69191	24.08	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	452534	24.51	ng	0.00
78) Terphenyl-d14	12.81	244	275807	18.64	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.47	163	138678	6.65	ng	97
70) Phenanthrene	11.24	178	349546	16.15	ng	99
71) Anthracene	11.30	178	90214	3.92	ng	97
74) Fluoranthene	12.43	202	468481	20.87	ng	97
77) Pyrene	12.66	202	395748	16.37	ng	97
80) Benzo(a)anthracene	13.85	228	202286m	9.65	ng	
82) Chrysene	13.88	228	175836m	8.51	ng	
85) Indeno(1,2,3-cd)pyrene	16.56	276	70059	4.08	ng	96
87) Benzo(b)fluoranthene	14.85	252	165778m	8.92	ng	
88) Benzo(k)fluoranthene	14.87	252	82367m	5.05	ng	
89) Benzo(a)pyrene	15.19	252	125285	7.74	ng	# 94
91) Benzo(g,h,i)perylene	16.95	276	61693	4.88	ng	99

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

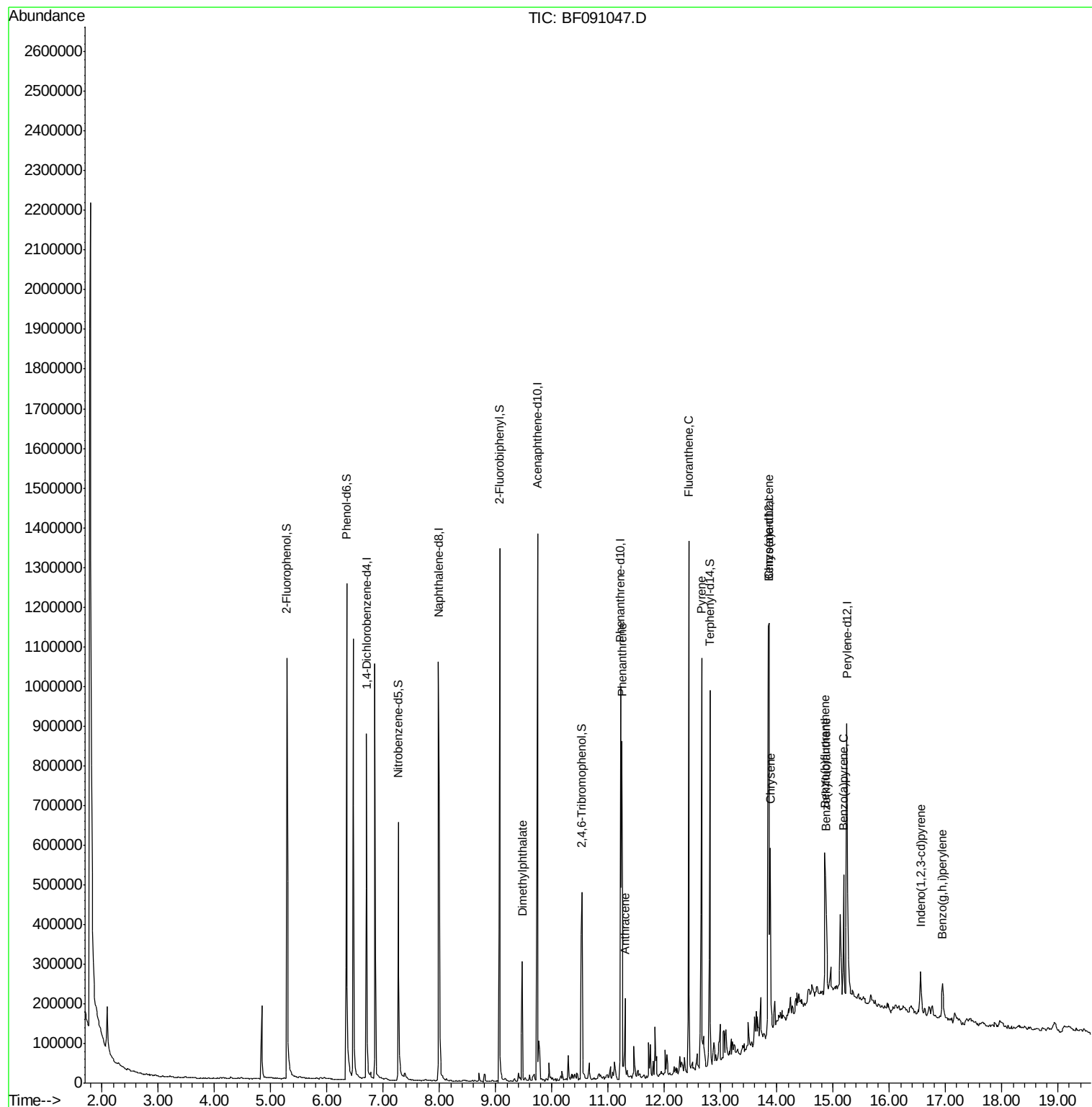
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
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ALS Vial : 39 Sample Multiplier: 1

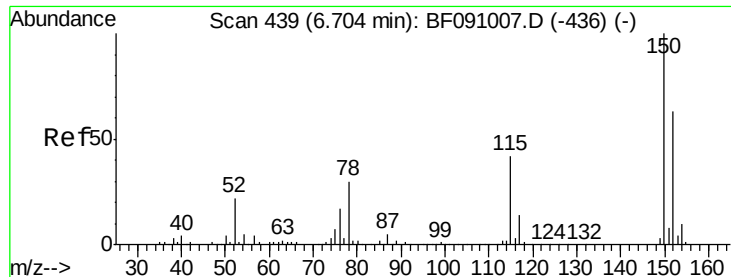
Instrument :
BNA_F
ClientSampled :
SB-92-1.5-2.0DL

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Quant Time: Nov 05 03:04:56 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

Instrument :

BNA_F

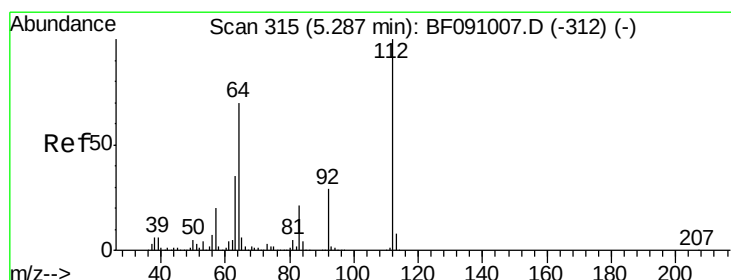
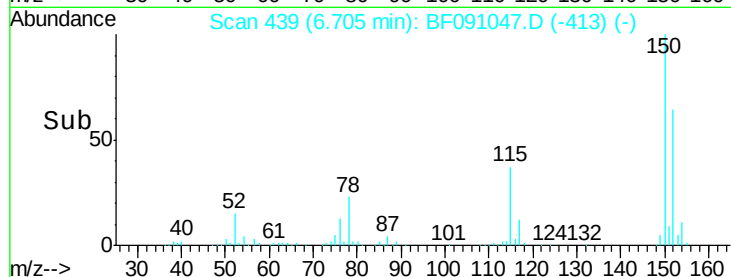
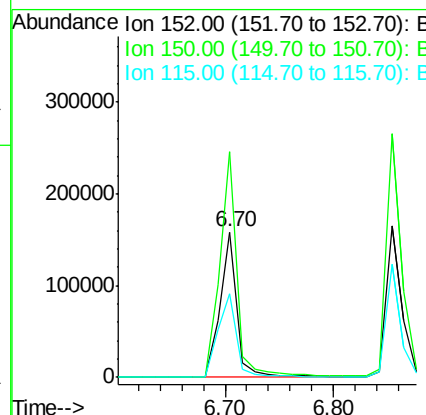
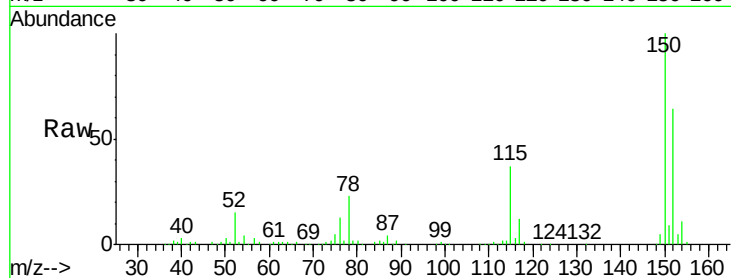
ClientSampleId :

SB-92-1.5-2.0DL

Tgt	Ion:152	Resp:	173909
Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.8	190.2
115	57.5	53.3	79.9

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#5

2-Fluorophenol

Concen: 36.20 ng

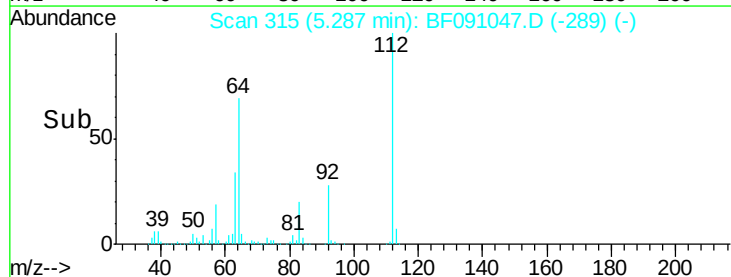
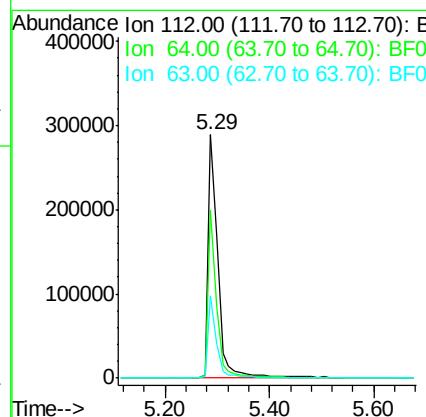
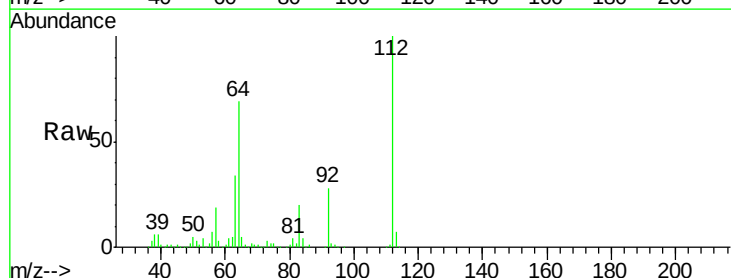
RT: 5.29 min Scan# 315

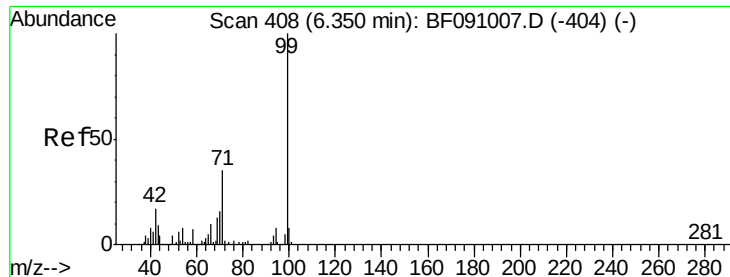
Delta R.T. 0.00 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

Tgt	Ion:112	Resp:	381209
Ion	Ratio	Lower	Upper
112	100		
64	68.8	55.8	83.6
63	33.8	28.0	42.0





#7

Phenol-d6

Concen: 36.86 ng

RT: 6.35 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

Instrument :

BNA_F

ClientSampleId :

SB-92-1.5-2.0DL

Tgt Ion: 99 Resp: 526886

Ion Ratio Lower Upper

99 100

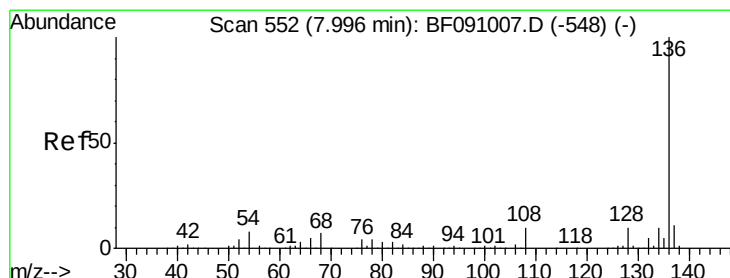
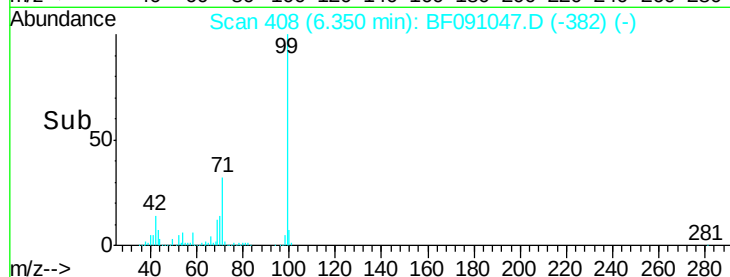
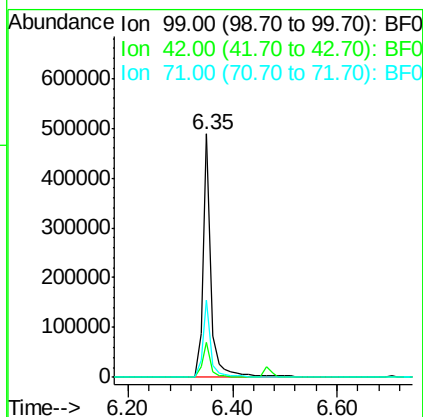
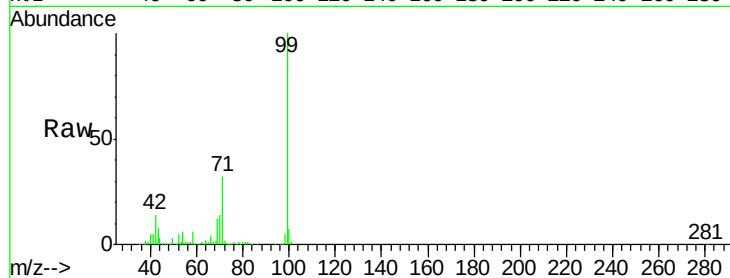
42 14.3 13.9 20.9

71 31.5 27.8 41.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

Tgt Ion: 136 Resp: 674310

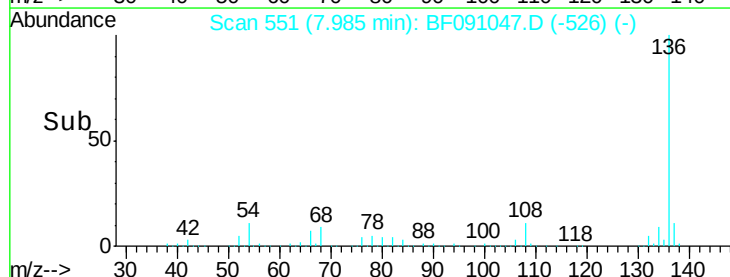
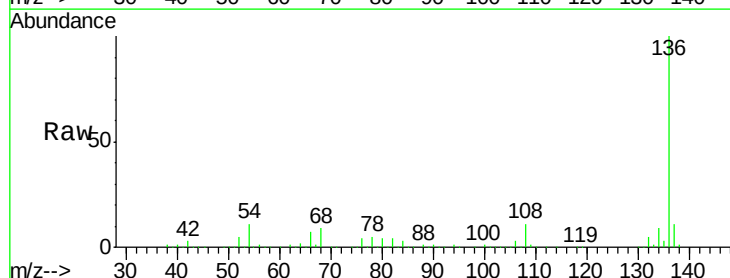
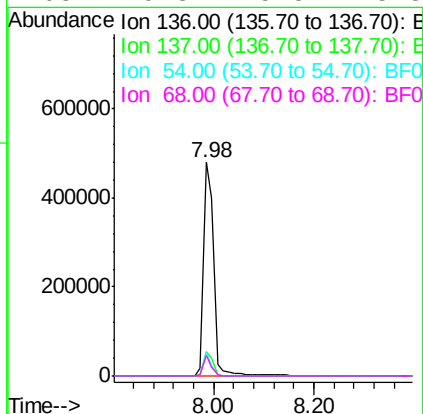
Ion Ratio Lower Upper

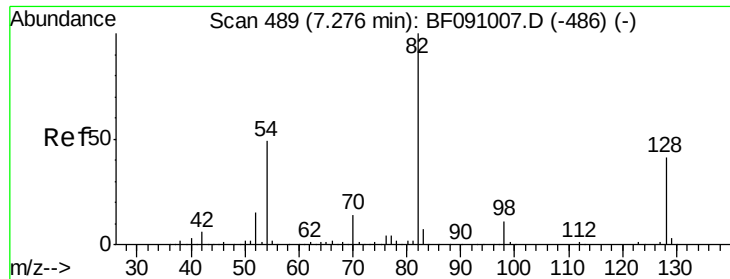
136 100

137 11.3 8.9 13.3

54 11.3 6.2 9.2#

68 9.3 5.5 8.3#





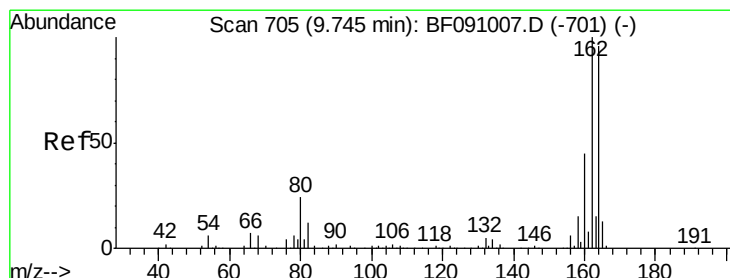
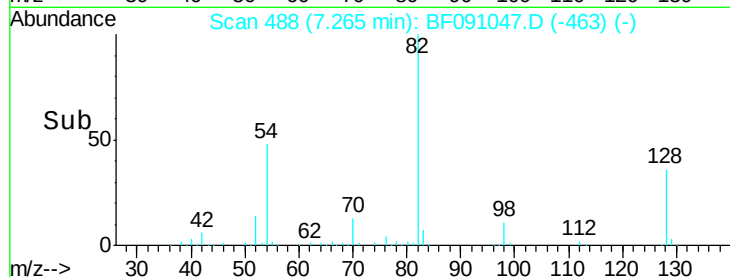
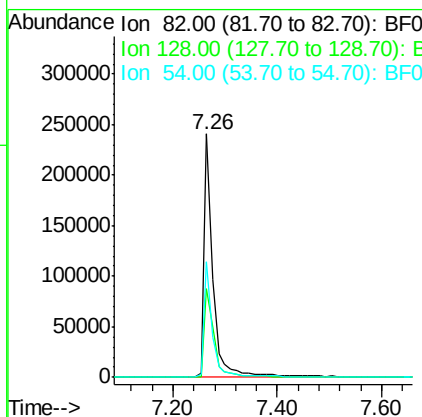
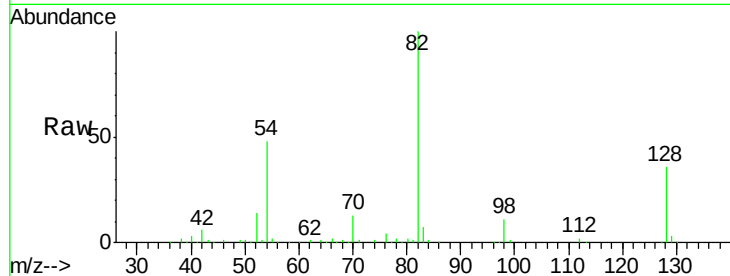
#23
 Nitrobenzene-d5
 Concen: 23.72 ng
 RT: 7.26 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-92-1.5-2.0DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.3	32.4	48.6
54	47.7	39.2	58.8

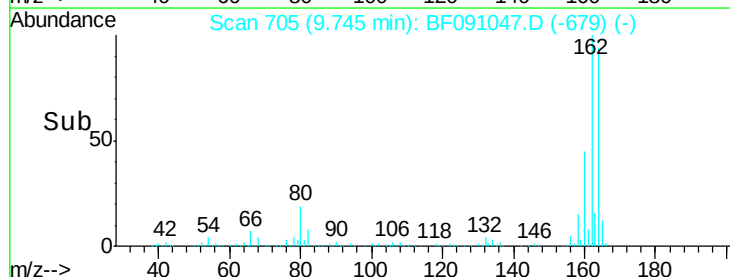
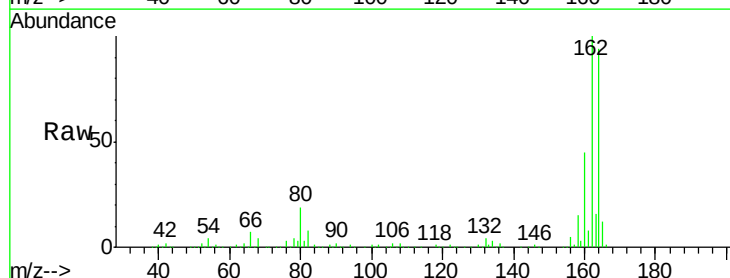
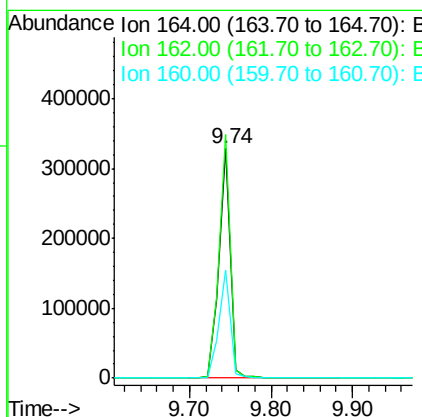
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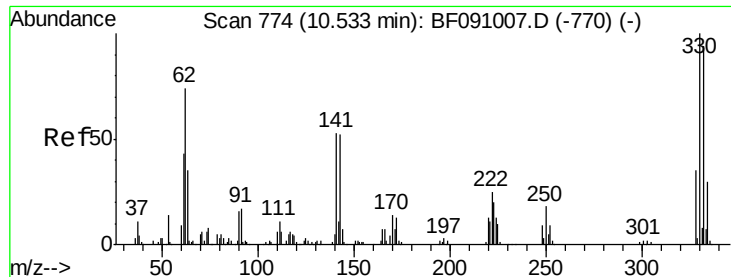
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.1	83.6	125.4
160	47.3	37.9	56.9





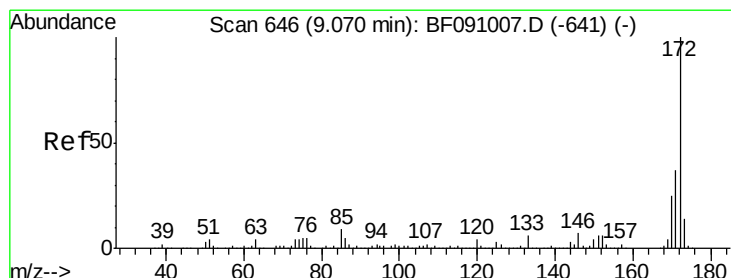
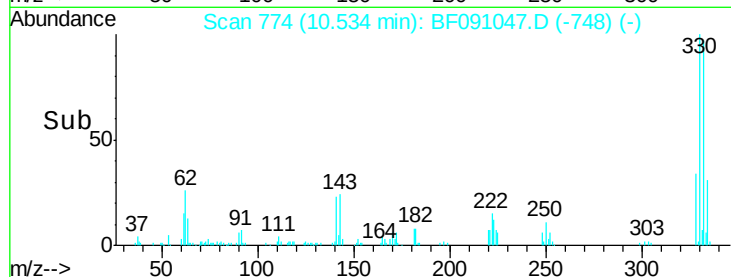
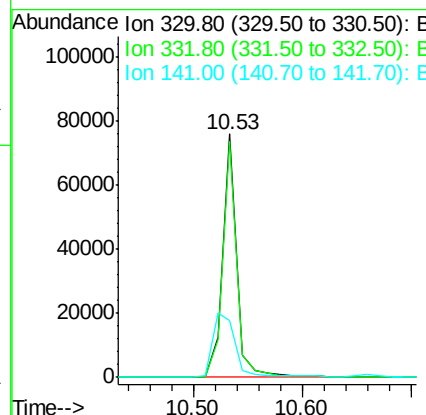
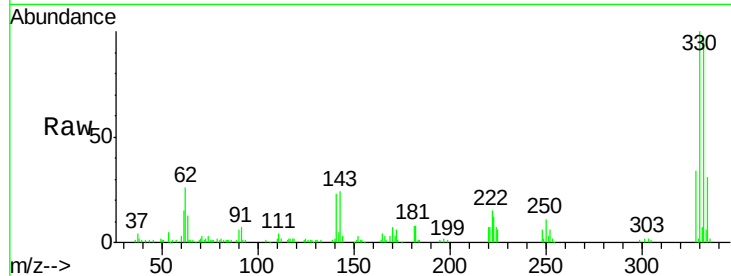
#41
 2,4,6-Tribromophenol
 Concen: 24.08 ng
 RT: 10.53 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Instrument :
 BNA_F
 ClientSampled :
 SB-92-1.5-2.0DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	69191		
332	96.8	75.9	113.9	
141	43.1	36.1	54.1	

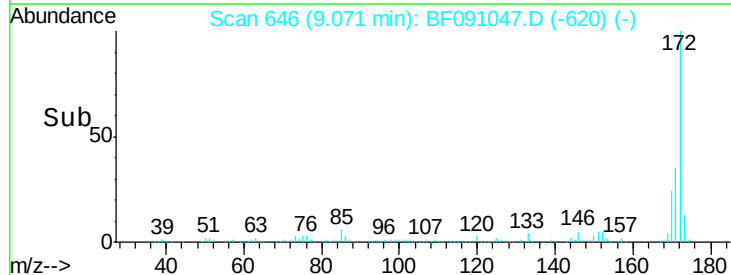
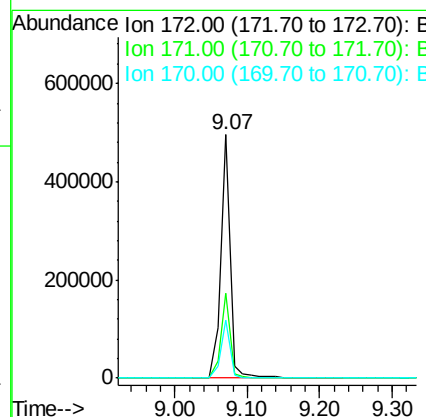
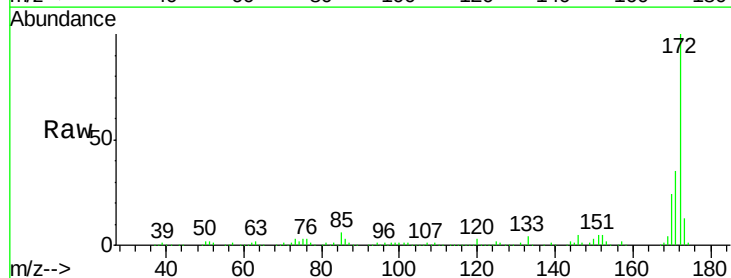
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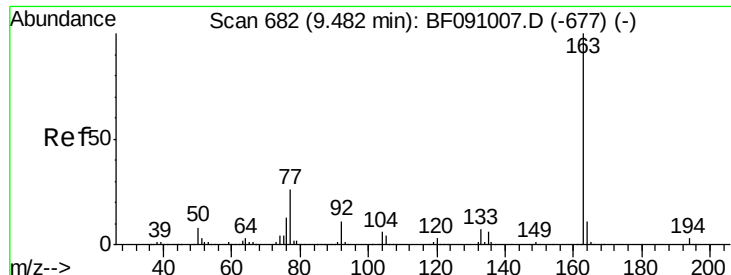
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#44
 2-Fluorobiphenyl
 Concen: 24.51 ng
 RT: 9.07 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	452534		
171	35.1	29.8	44.6	
170	23.8	20.3	30.5	





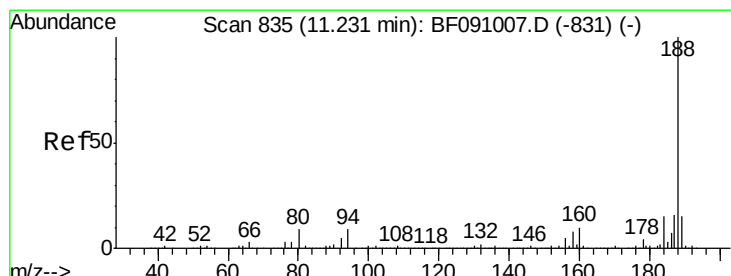
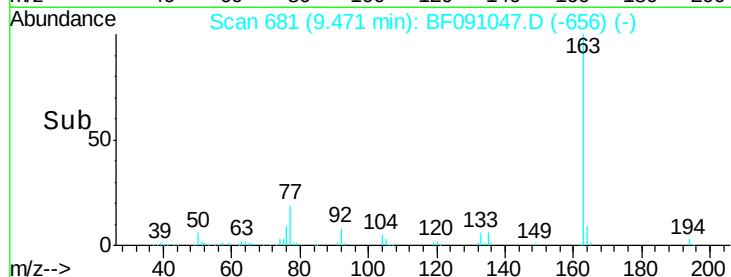
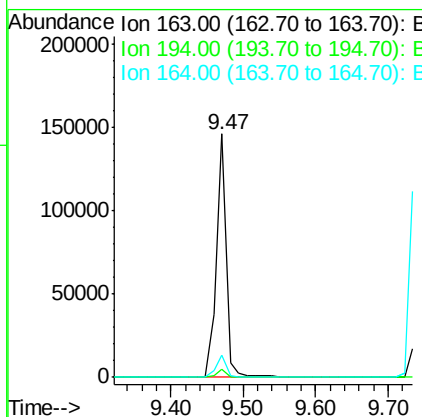
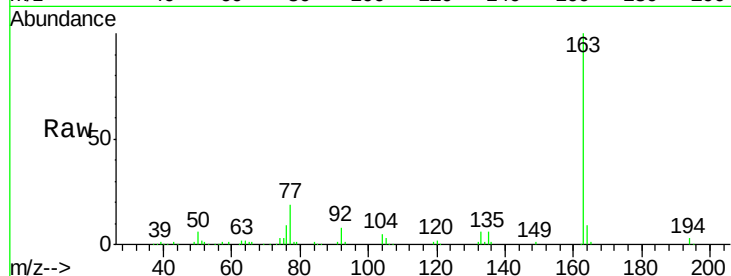
#49
Dimethylphthalate
Concen: 6.65 ng
RT: 9.47 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	138678		
194	3.3	2.6	4.0	
164	9.3	8.7	13.1	

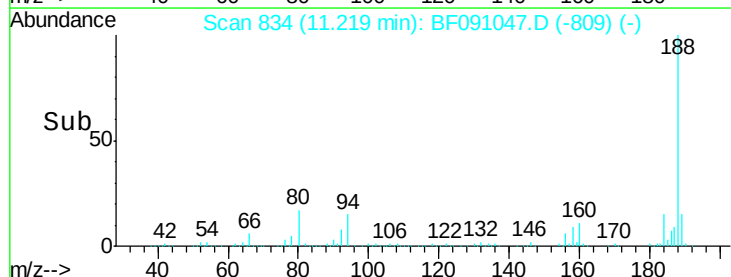
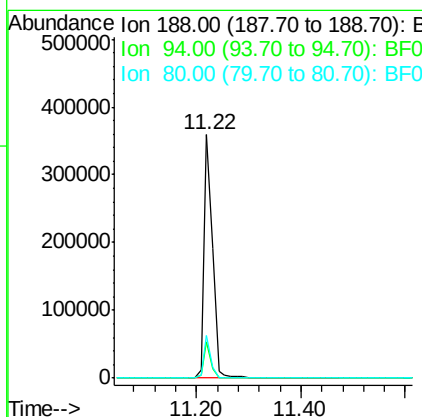
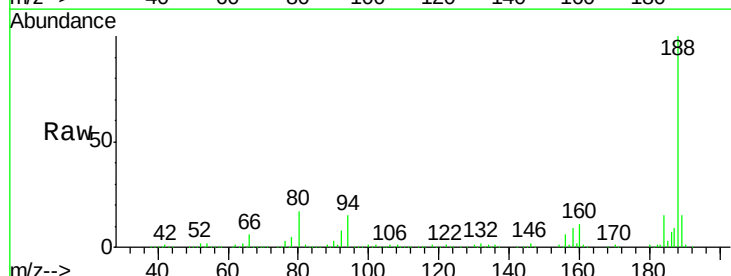
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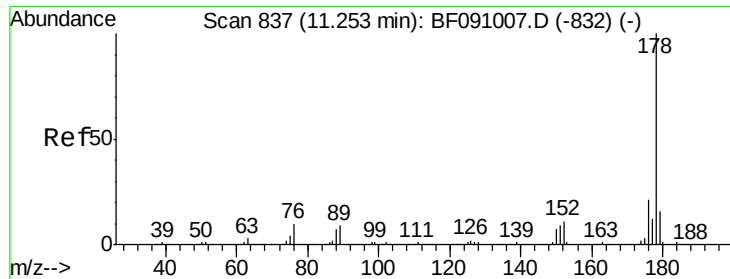
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	407058		
94	15.1	7.0	10.4#	
80	17.4	7.5	11.3#	





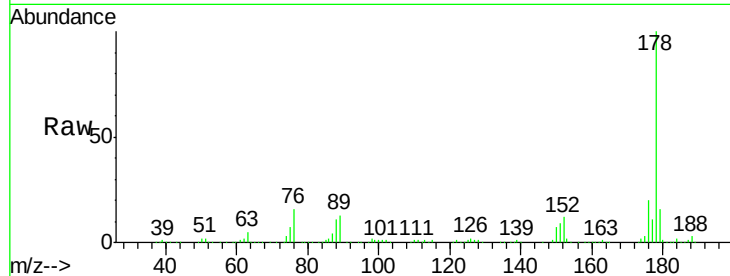
#70
Phenanthrene
Concen: 16.15 ng
RT: 11.24 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0DL

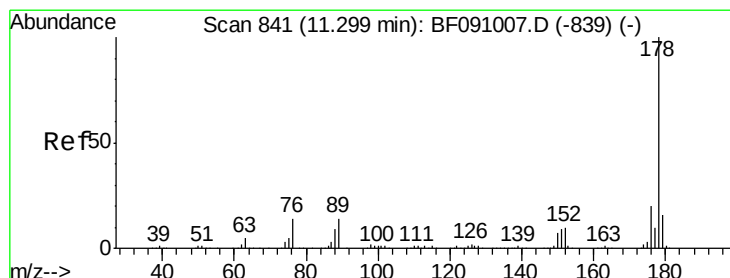
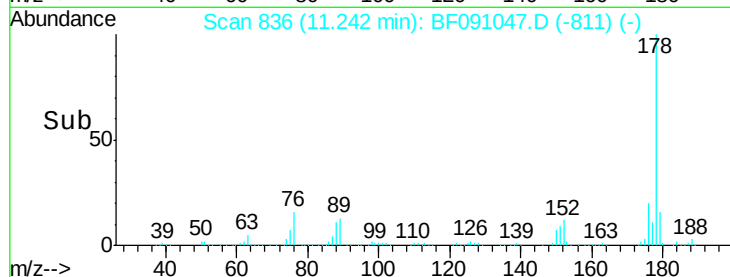
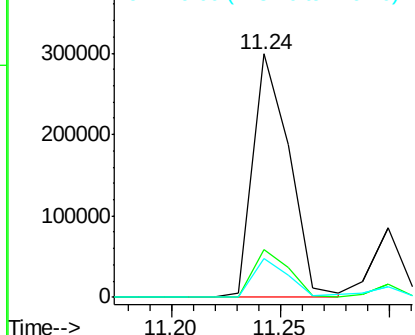
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.6	25.0
179	16.1	12.9	19.3

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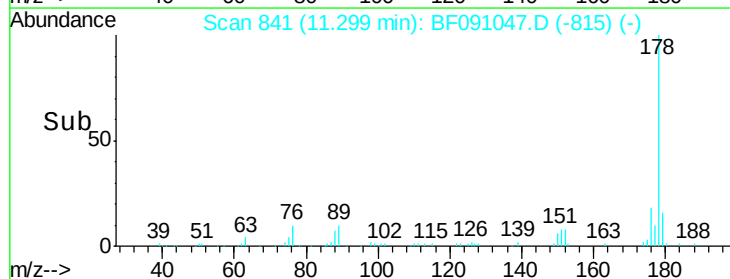
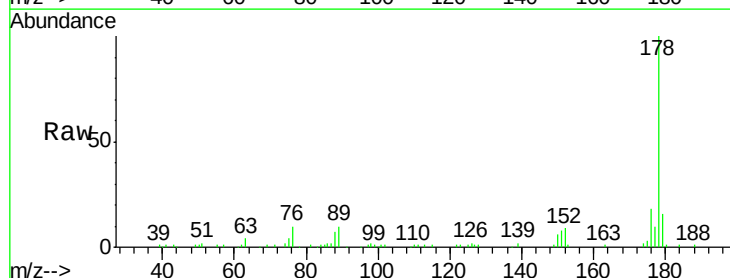
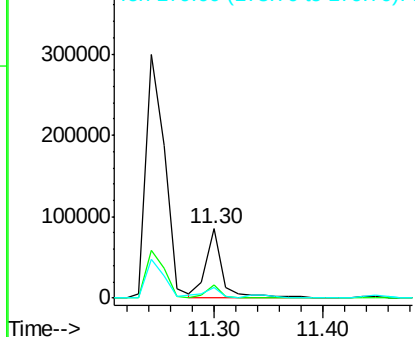
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

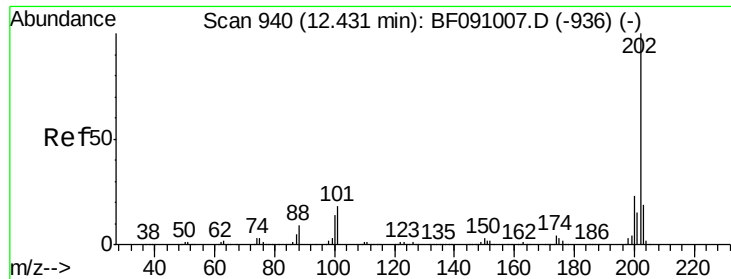


#71
Anthracene
Concen: 3.92 ng
RT: 11.30 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.0	24.0
179	15.6	13.0	19.6

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





#74

Fluoranthene

Concen: 20.87 ng

RT: 12.43 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

Instrument :

BNA_F

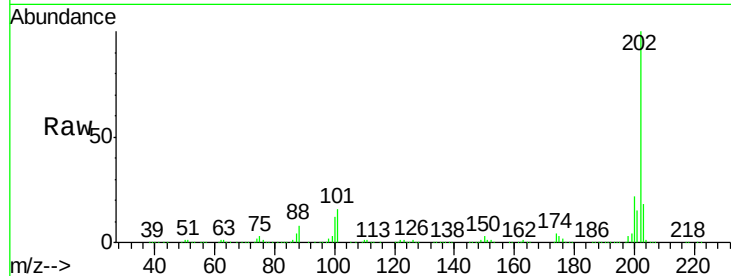
ClientSampleId :

SB-92-1.5-2.0DL

Tgt	Ion	202	Resp:	468481
Ion	Ratio	Lower	Upper	
202	100			
101	15.6	0.0	37.6	
203	17.9	0.0	38.6	

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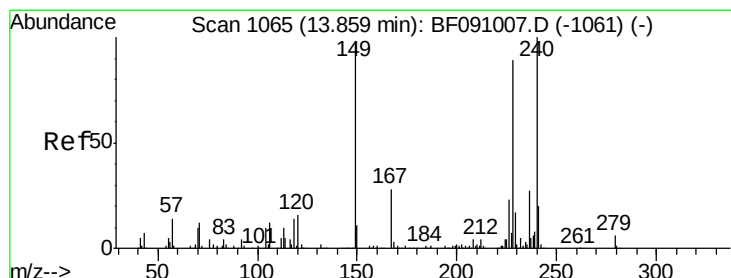
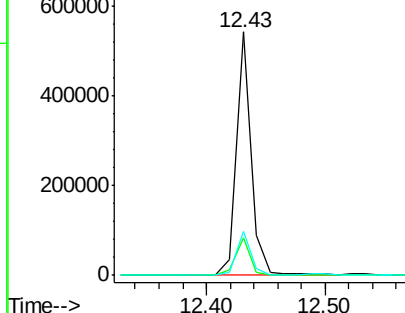
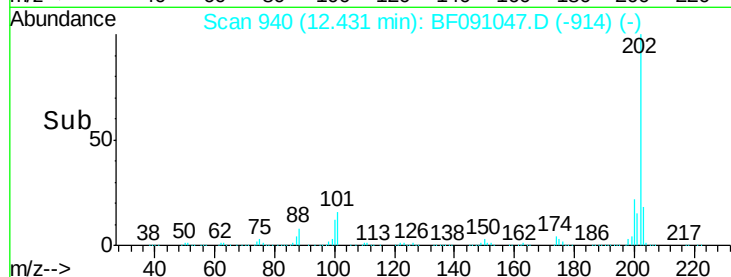
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

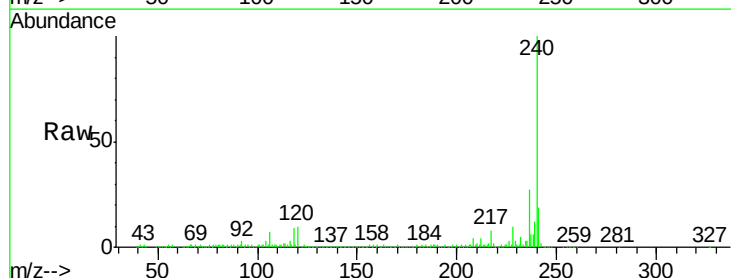
RT: 13.86 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

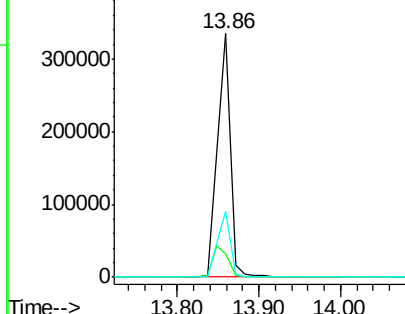
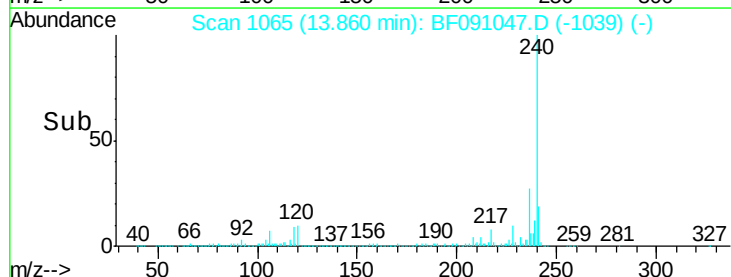
Tgt	Ion	240	Resp:	369238
Ion	Ratio	Lower	Upper	
240	100			
120	9.8	12.9	19.3#	
236	27.2	21.9	32.9	

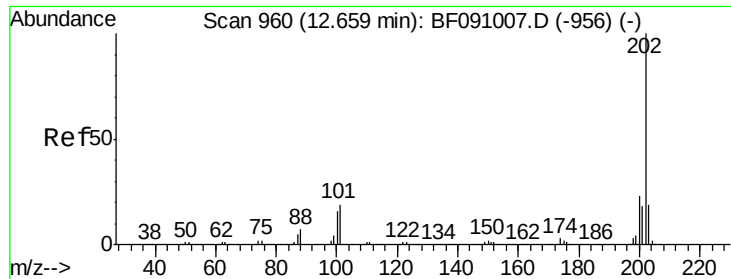


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





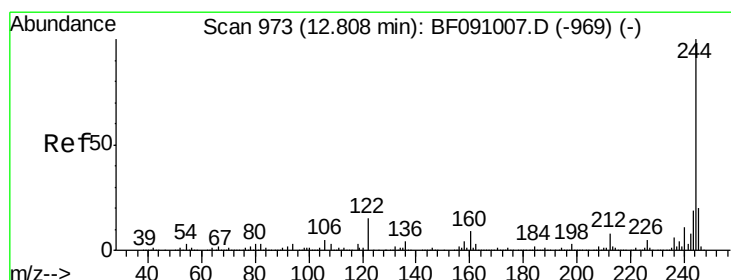
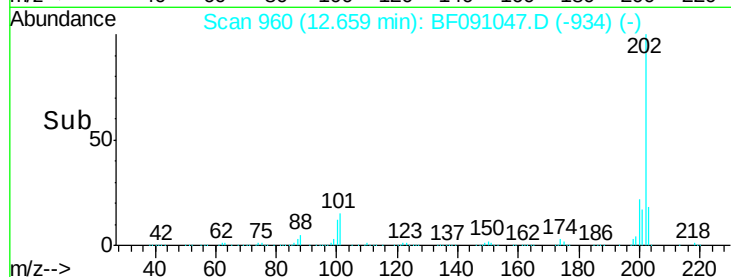
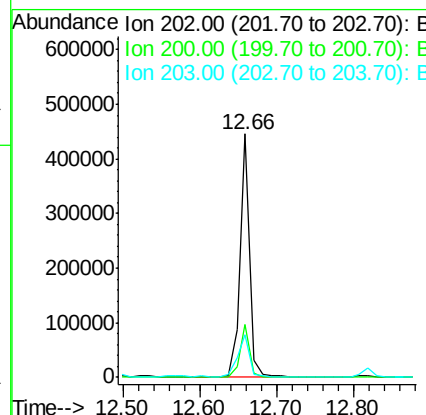
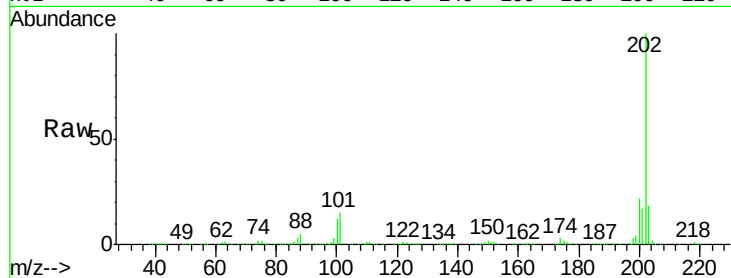
#77
Pyrene
 Concen: 16.37 ng
 RT: 12.66 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-92-1.5-2.0DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	395748		
200	21.7	18.4	27.6	
203	17.8	15.0	22.6	

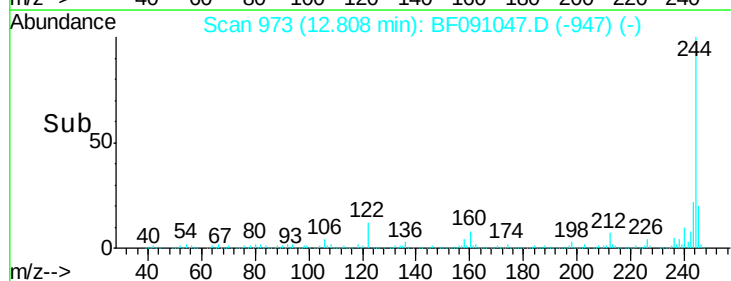
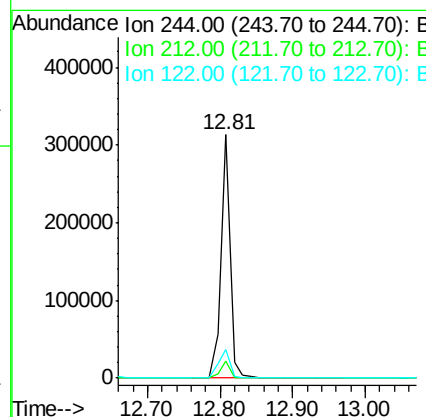
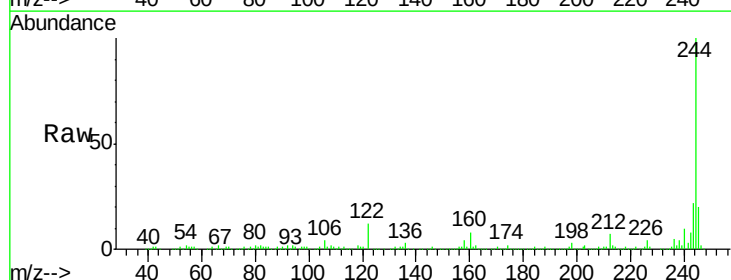
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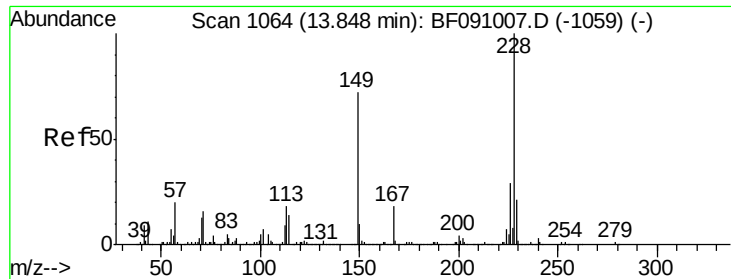
sohil
 11/7/2016 4:41:45 PM



#78
Terphenyl-d14
 Concen: 18.64 ng
 RT: 12.81 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	275807		
212	7.0	6.4	9.6	
122	11.5	12.3	18.5	





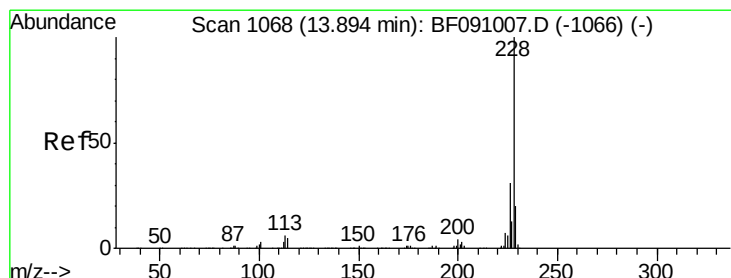
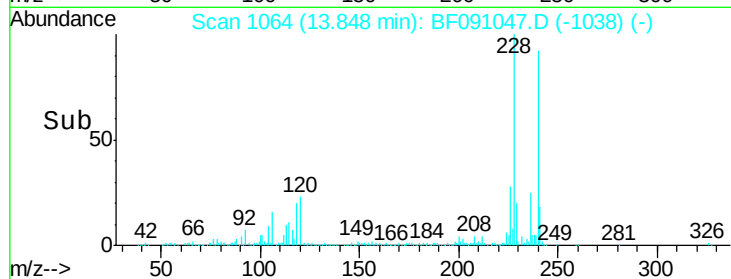
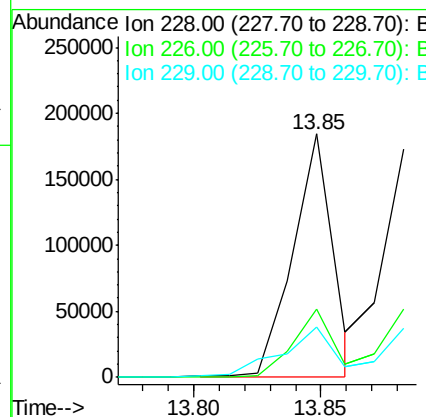
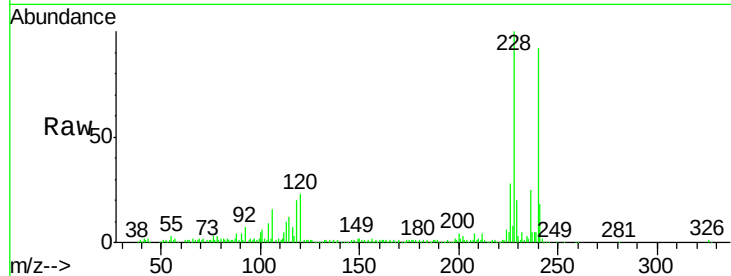
#80
Benzo(a)anthracene
Concen: 9.65 ng m
RT: 13.85 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Instrument :
BNA_F
ClientSampled :
SB-92-1.5-2.0DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.0	34.6
229	20.4	16.6	24.8

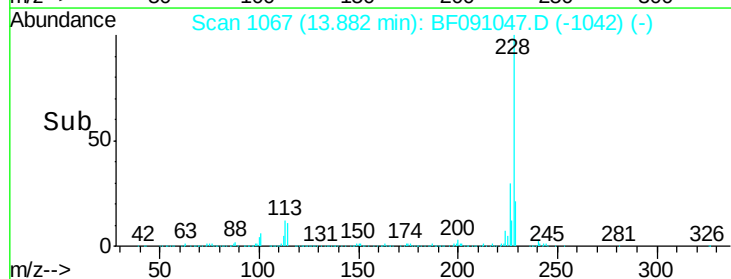
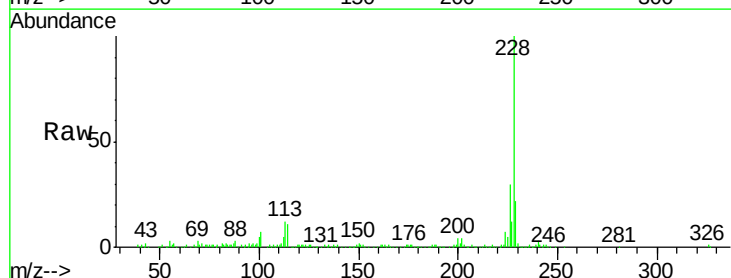
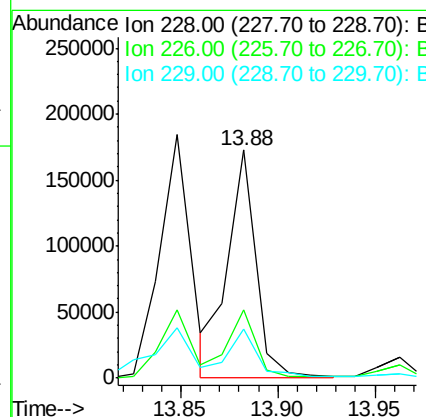
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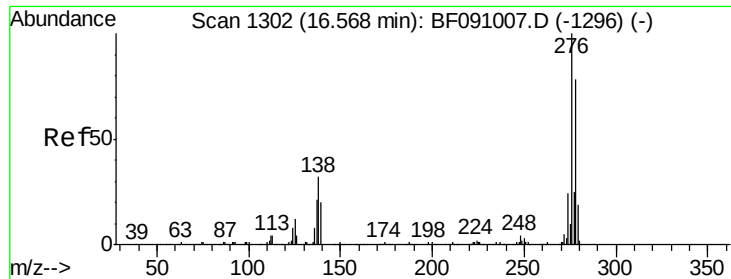
sohil
11/7/2016 4:41:45 PM



#82
Chrysene
Concen: 8.51 ng m
RT: 13.88 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	21.7	15.9	23.9





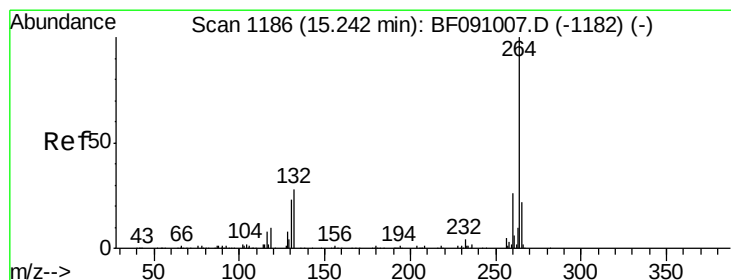
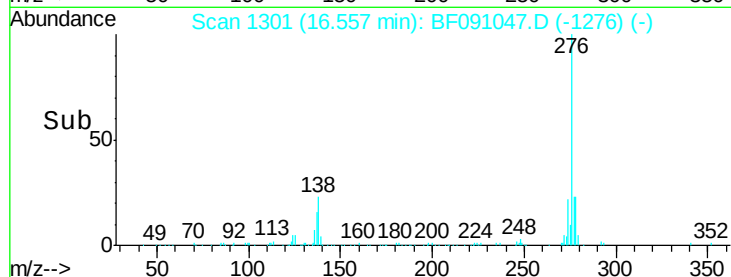
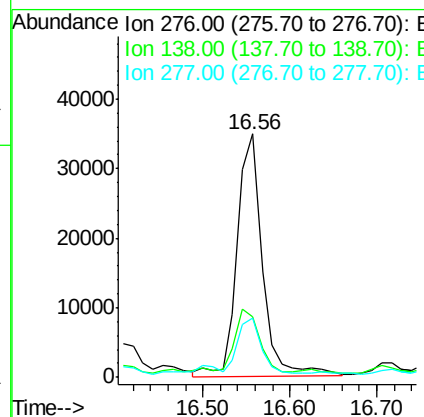
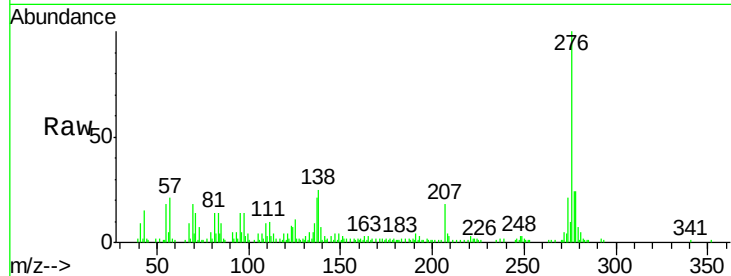
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.08 ng
 RT: 16.56 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-92-1.5-2.0DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.6	26.0	39.0
277	25.6	20.1	30.1

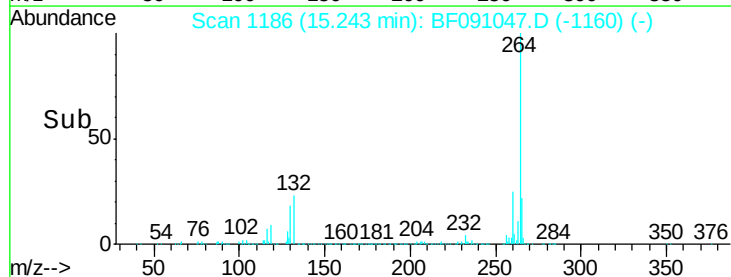
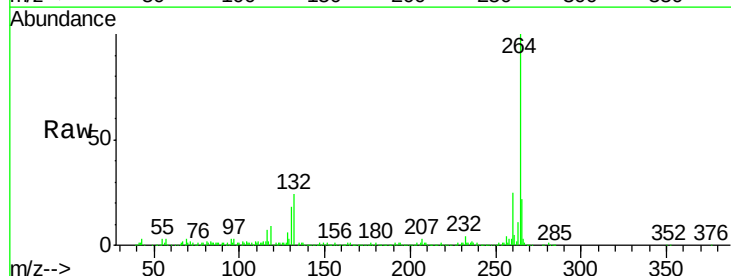
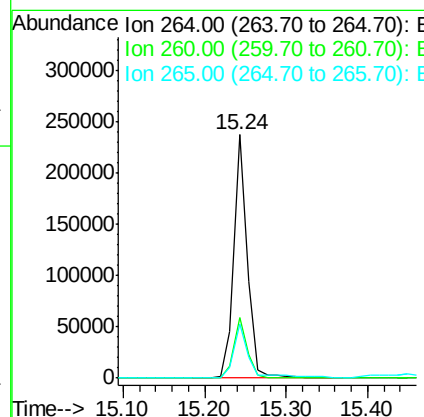
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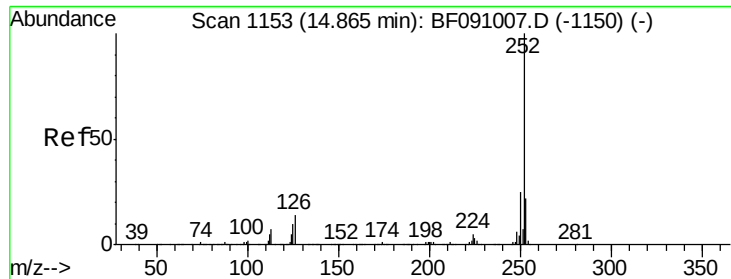
sohil
 11/7/2016 4:41:45 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.24 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.6	30.8
265	22.2	17.8	26.8





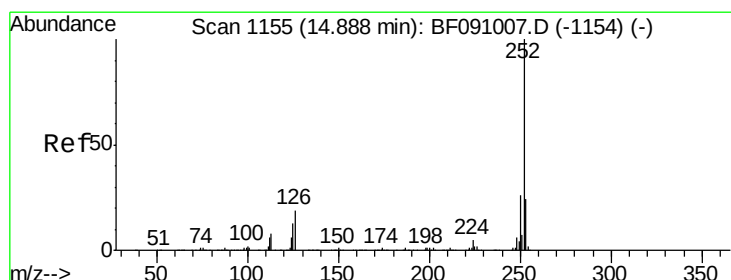
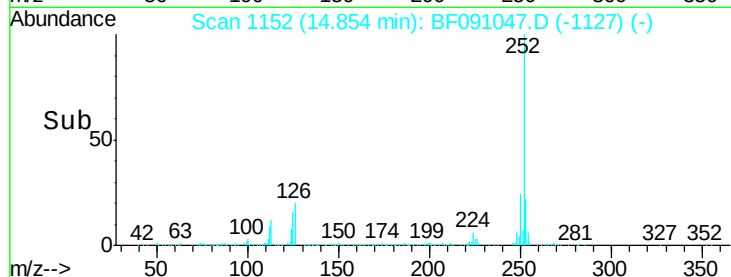
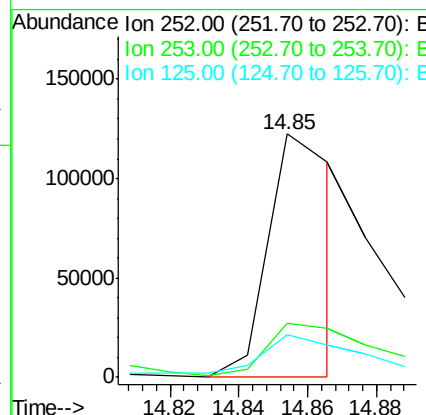
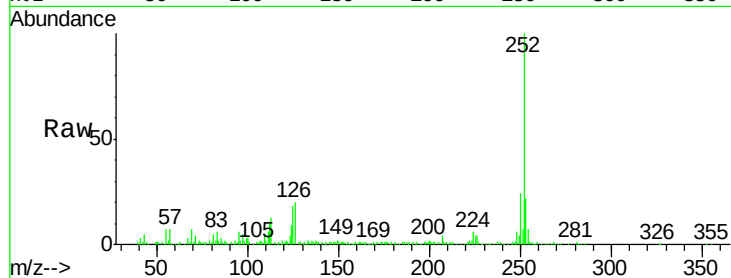
#87
Benzo(b)fluoranthene
Concen: 8.92 ng m
RT: 14.85 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	17.7	8.3	12.5

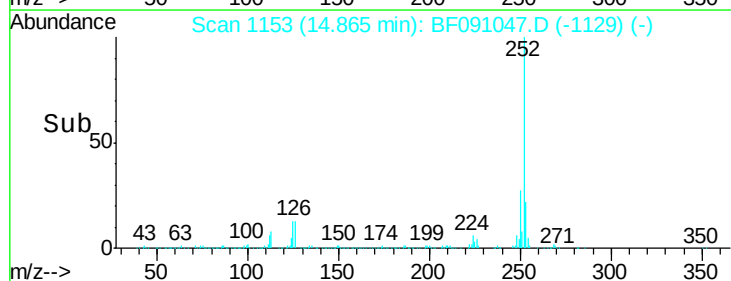
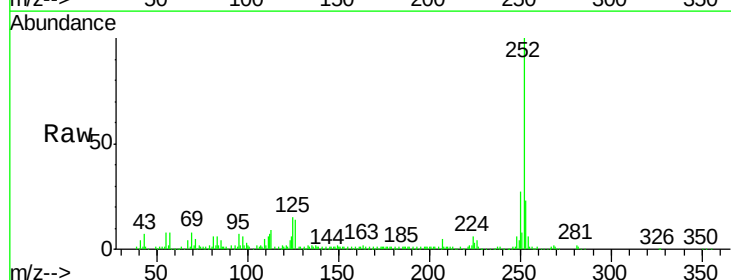
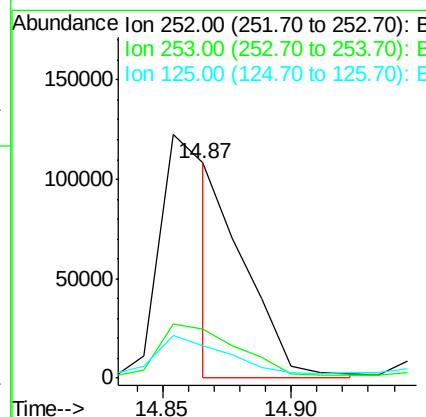
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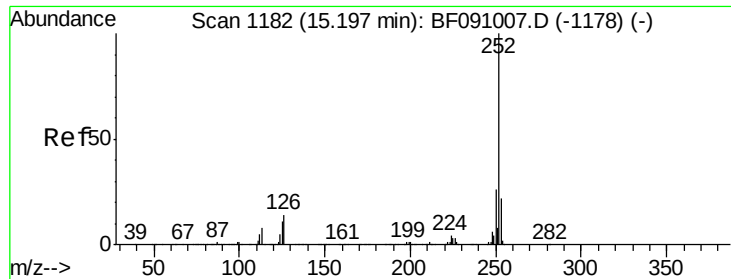
sohil
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#88
Benzo(k)fluoranthene
Concen: 5.05 ng m
RT: 14.87 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.6	28.0
125	15.0	11.2	16.8





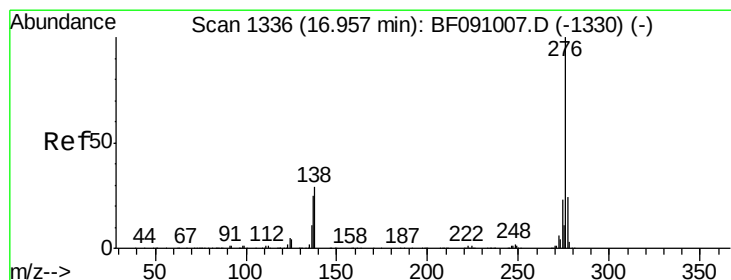
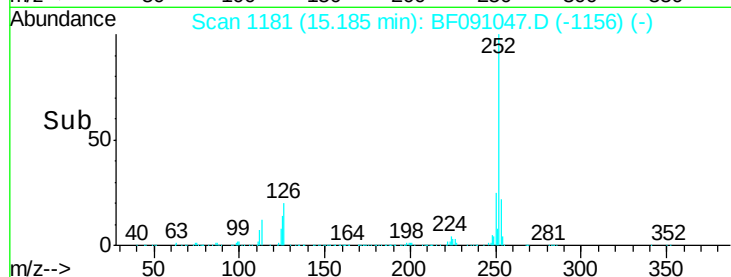
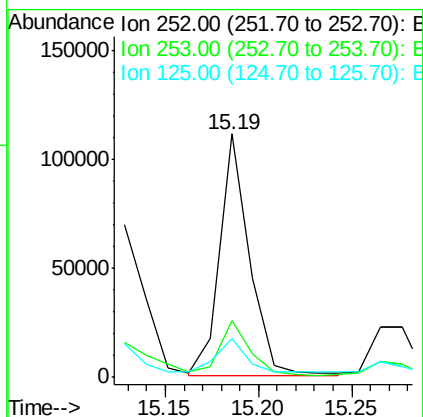
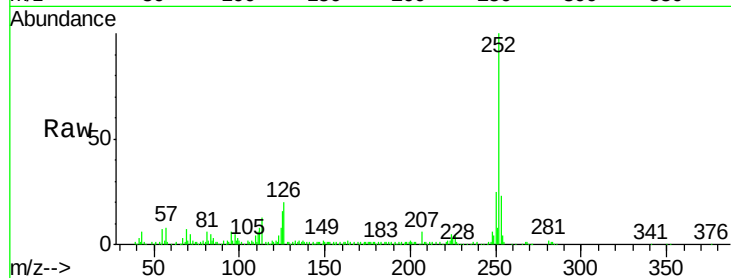
#89
Benzo(a)pyrene
Concen: 7.74 ng
RT: 15.19 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.3	17.8	26.8
125	16.0	8.6	13.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.88 ng
RT: 16.95 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.1	19.2	28.8
138	28.0	23.3	34.9

