

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112816\
 Data File : BF091314.D
 Acq On : 28 Nov 2016 15:46
 Operator : UM/SJ
 Sample : H5740-10DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)DL

Manual Integrations
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 11/29/2016 9:26:25 AM

Quant Time: Nov 28 18:24:29 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	6.87	152	203376	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	879528	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	451976	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	672232	20.00	ng	0.00
75) Chrysene-d12	14.04	240	425601	20.00	ng	0.00
86) Perylene-d12	15.49	264	494339	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	152482	12.05	ng	0.00
7) Phenol-d6	6.49	99	195247	12.01	ng	0.00
23) Nitrobenzene-d5	7.43	82	116075	7.60	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	46934	10.30	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	191230	6.93	ng	0.00
78) Terphenyl-d14	12.99	244	136497	7.32	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.77	152	139707	3.65	ng	98
70) Phenanthrene	11.42	178	161984	4.64	ng	98
71) Anthracene	11.48	178	350364	9.83	ng	97
74) Fluoranthene	12.61	202	1020961	28.78	ng	97
77) Pyrene	12.84	202	1142669	36.34	ng	98
80) Benzo(a)anthracene	14.03	228	1026934	42.51	ng	95
82) Chrysene	14.07	228	799361m	35.02	ng	
85) Indeno(1,2,3-cd)pyrene	16.92	276	637260	32.41	ng	# 92
87) Benzo(b)fluoranthene	15.08	252	1670305m	53.56	ng	
88) Benzo(k)fluoranthene	15.10	252	548004m	21.52	ng	
89) Benzo(a)pyrene	15.43	252	890377m	33.56	ng	
90) Dibenzo(a,h)anthracene	16.92	278	186207	7.60	ng	93
91) Benzo(a,h,i)perylene	17.34	276	544536	22.41	ng	99

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

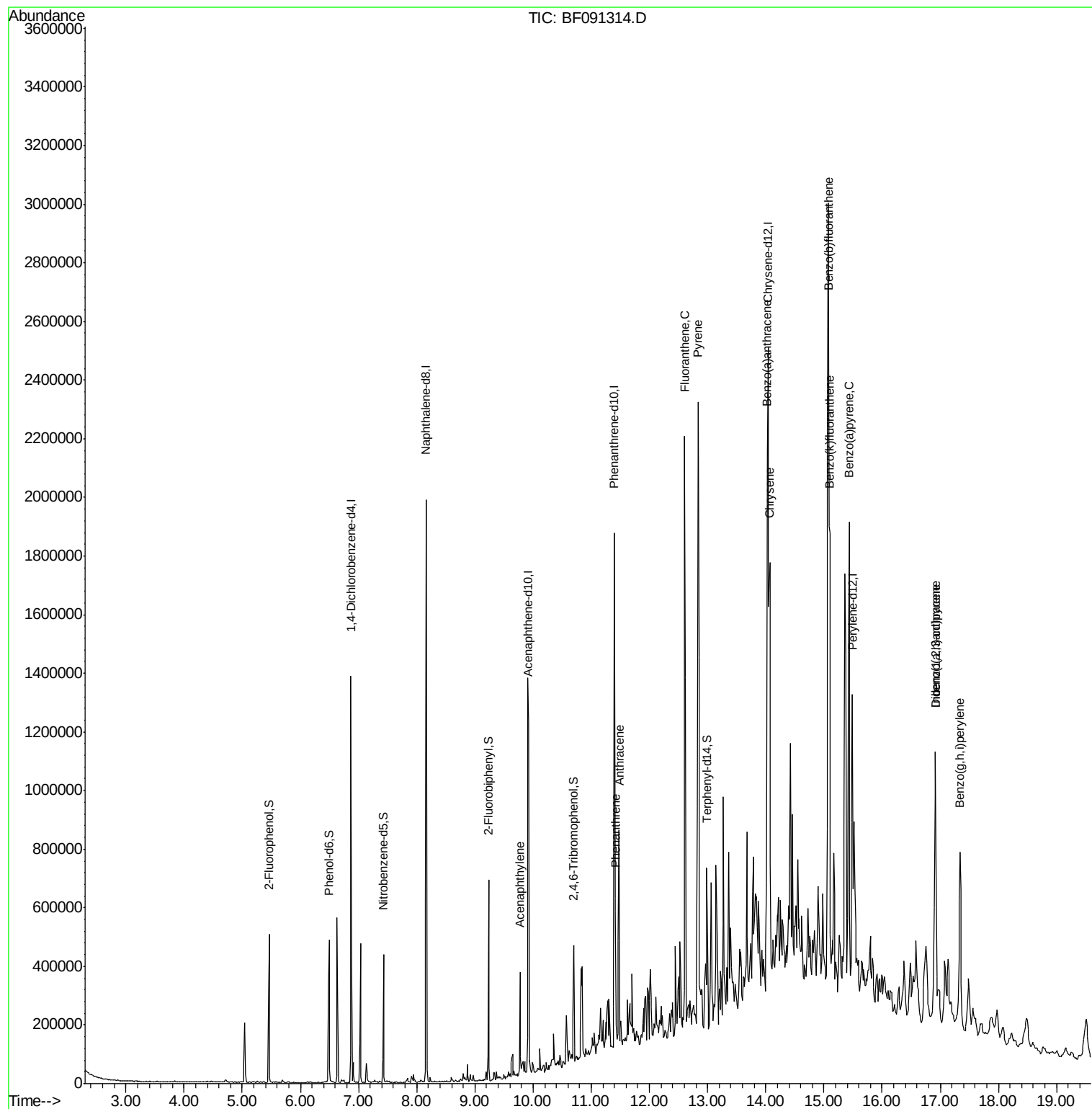
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112816\
Data File : BF091314.D
Acq On : 28 Nov 2016 15:46
Operator : UM/SJ
Sample : H5740-10DL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

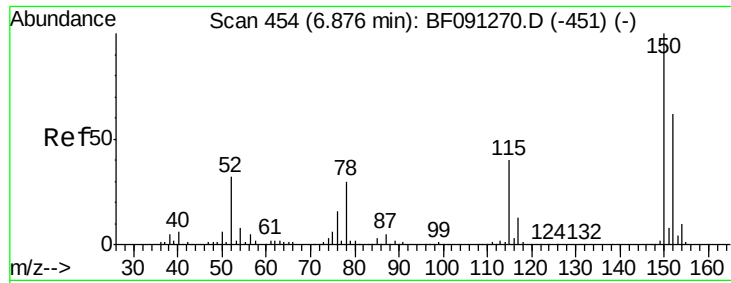
Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)DL

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

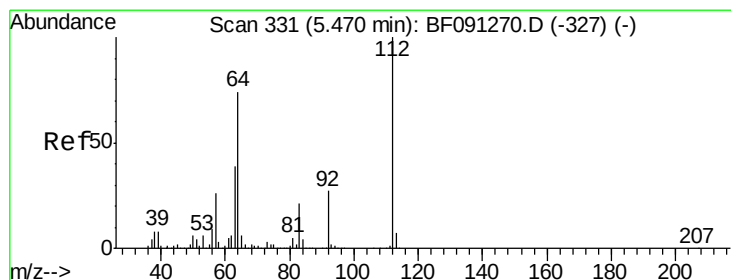
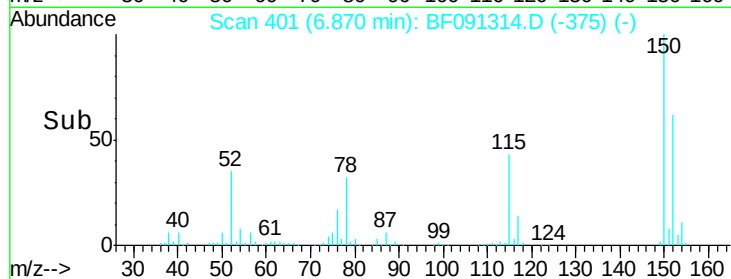
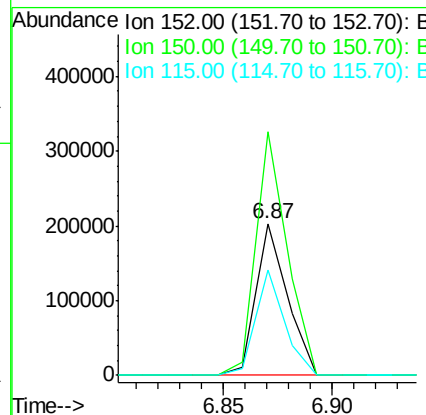
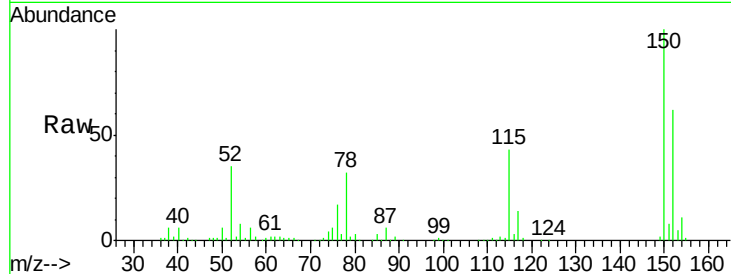
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	122.5	183.7
115	69.4	51.8	77.8

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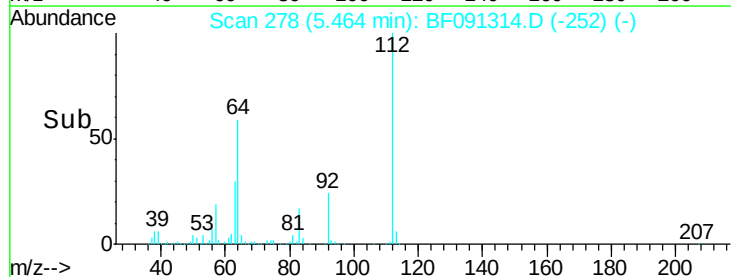
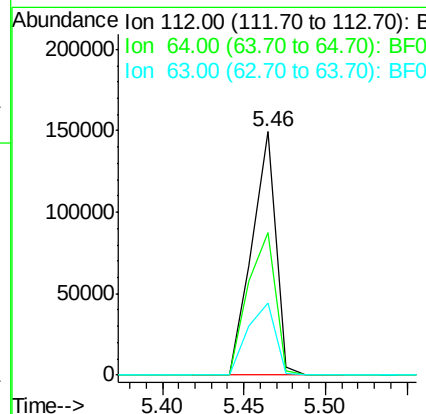
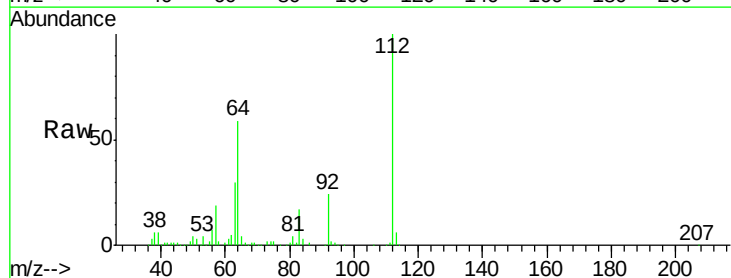
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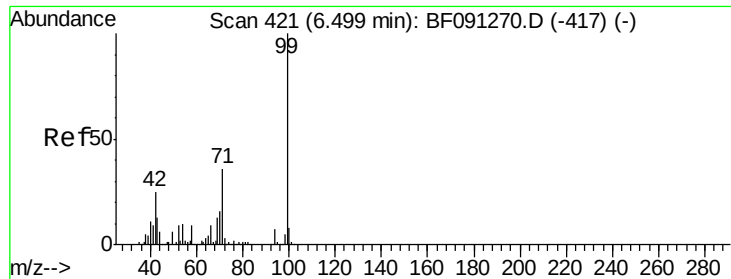


#5

2-Fluorophenol
Concen: 12.05 ng
RT: 5.46 min Scan# 278
Delta R.T. -0.00 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	61.5	92.3#
63	29.9	33.3	49.9#





#7

Phenol-d6

Concen: 12.01 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091314.D

Acq: 28 Nov 2016 15:46

Instrument :

BNA_F

ClientSampleId :

SB-04(0-0.16)DL

Tot Ion: 99 Resp: 195247

Ion Ratio Lower Upper

99 100

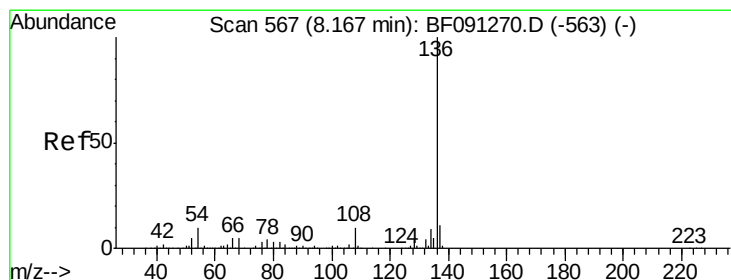
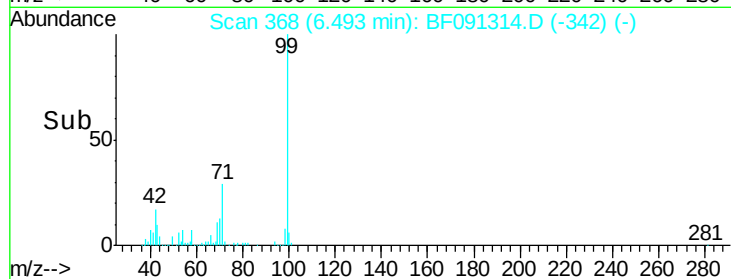
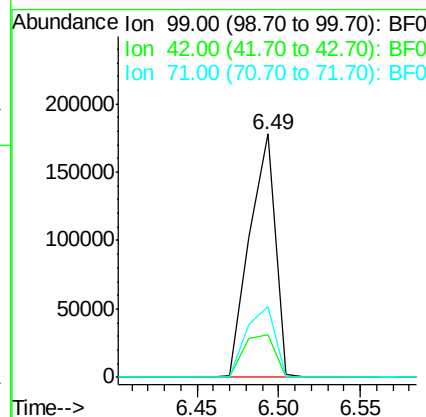
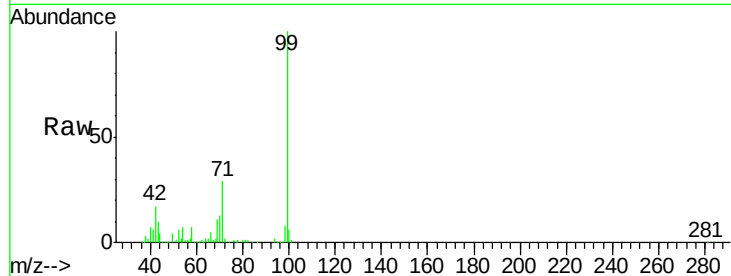
42 17.4 20.6 31.0#

71 28.9 29.9 44.9#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF091314.D

Acq: 28 Nov 2016 15:46

Tgt Ion: 136 Resp: 879528

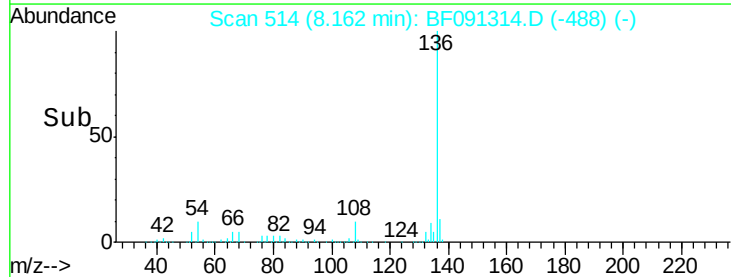
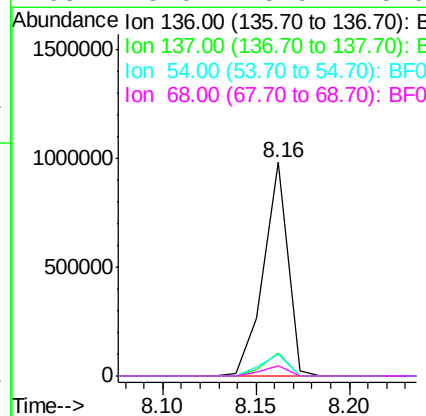
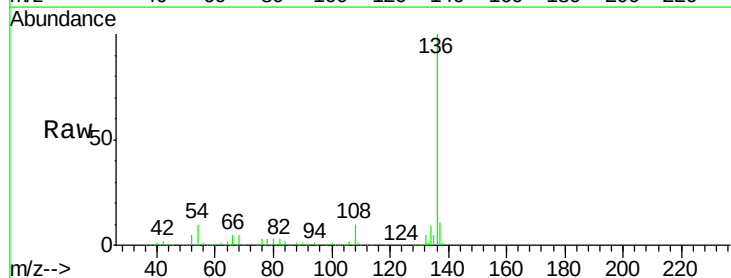
Ion Ratio Lower Upper

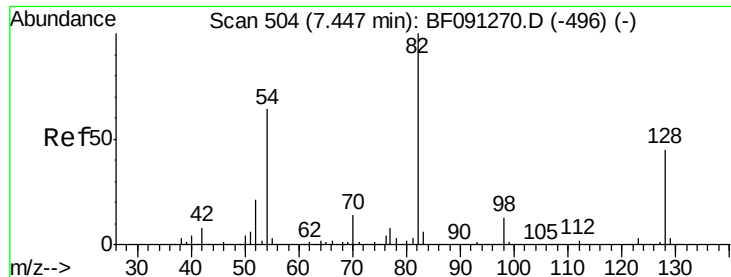
136 100

137 11.0 9.1 13.7

54 9.9 9.1 13.7

68 5.0 5.9 8.9#





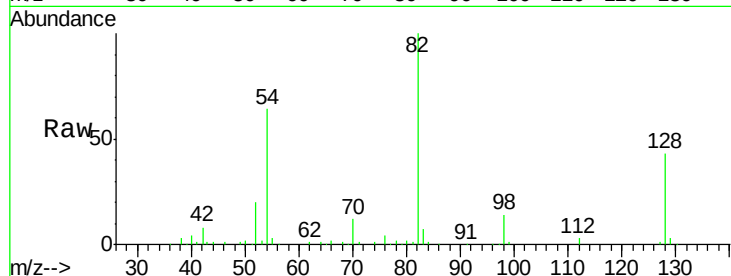
#23
 Nitrobenzene-d5
 Concen: 7.60 ng
 RT: 7.43 min Scan# 450
 Delta R.T. -0.02 min
 Lab File: BF091314.D
 Acq: 28 Nov 2016 15:46

Instrument :
 BNA_F
 ClientSampleID :
 SB-04(0-0.16)DL

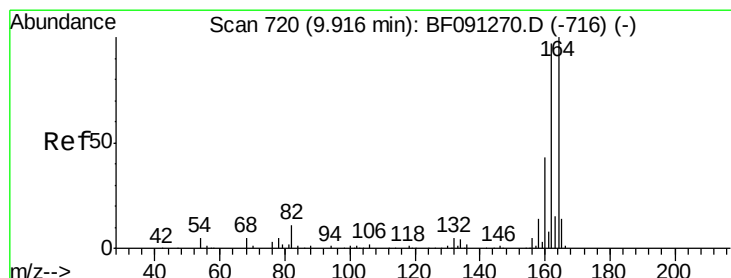
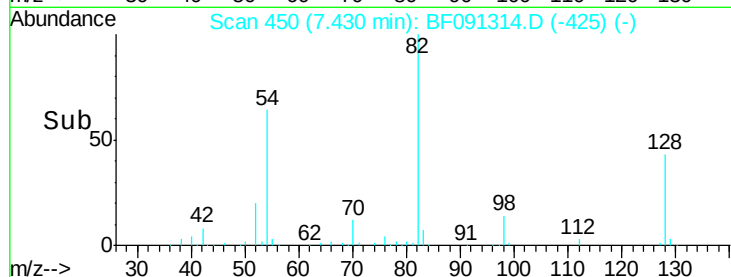
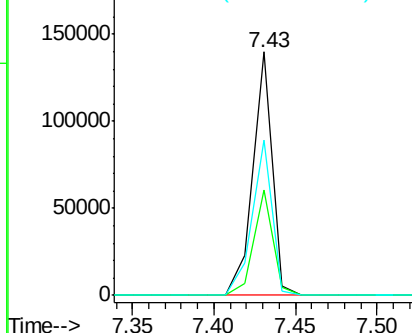
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.2	31.8	47.6
54	63.8	49.1	73.7

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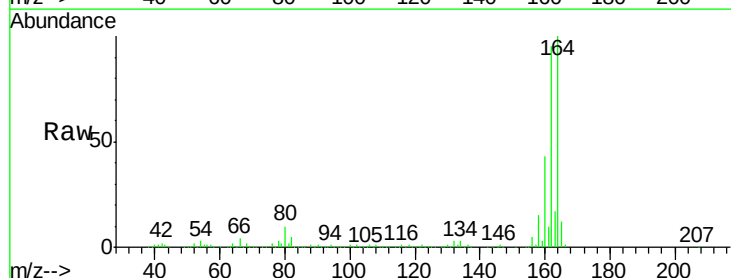


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

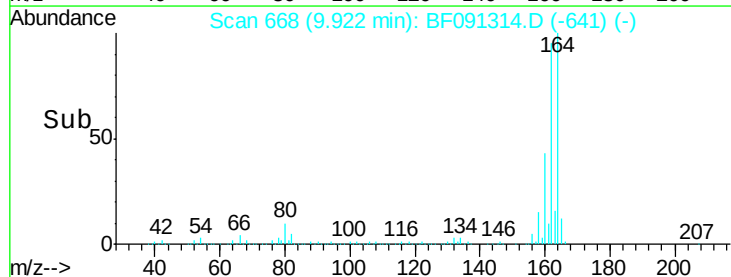
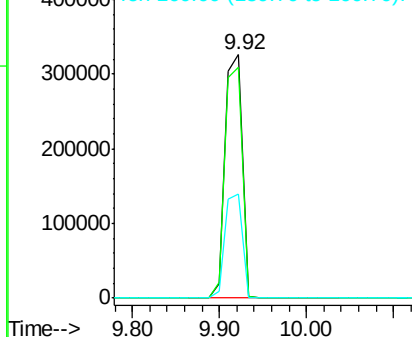


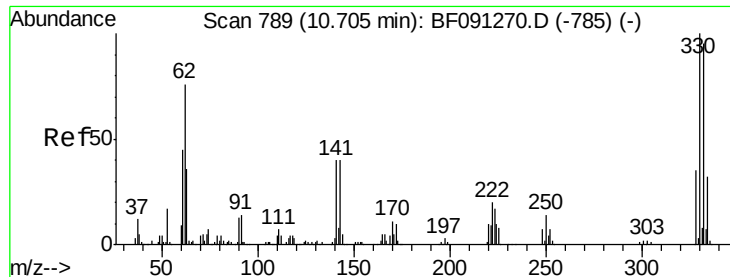
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: BF091314.D
 Acq: 28 Nov 2016 15:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.7	82.6	124.0
160	42.9	36.7	55.1



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





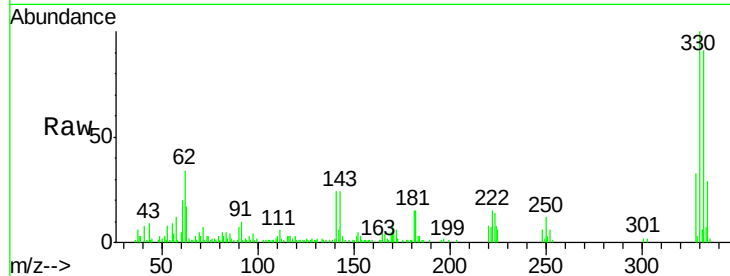
#41
 2,4,6-Tribromophenol
 Concen: 10.30 ng
 RT: 10.70 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF091314.D
 Acq: 28 Nov 2016 15:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)DL

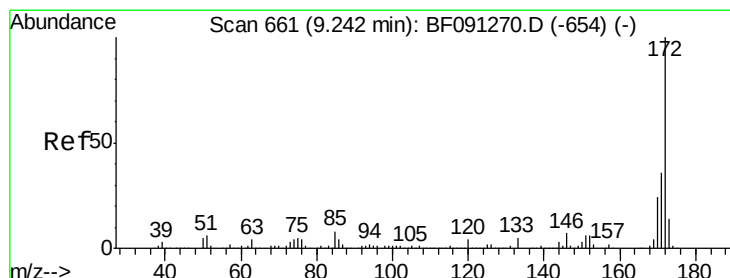
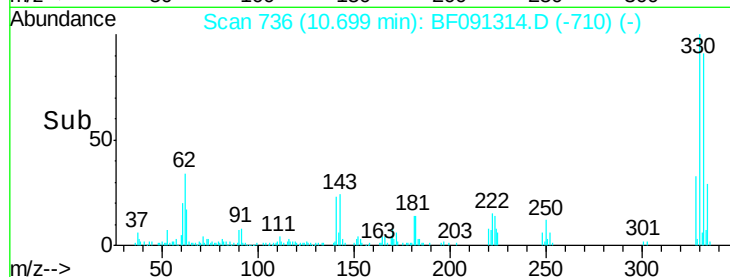
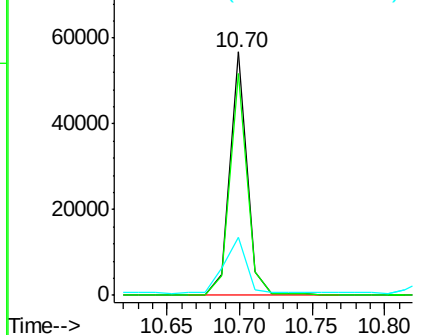
Tot Ion	Ratio	Lower	Upper
330	100		
332	91.9	76.2	114.4
141	31.8	33.6	50.4

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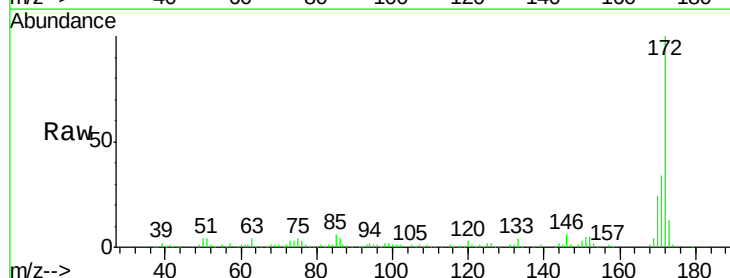


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

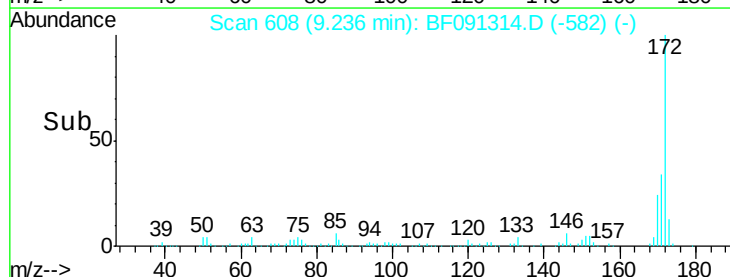
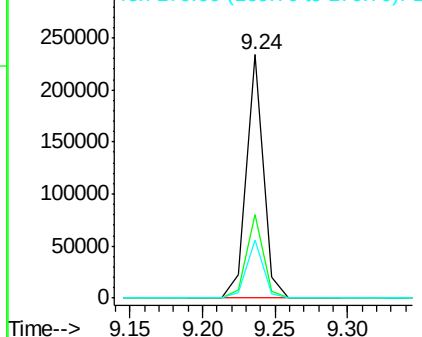


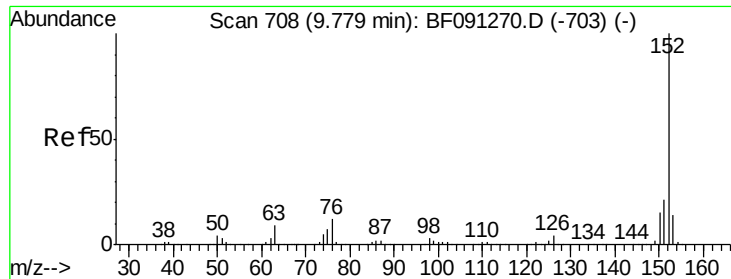
#44
 2-Fluorobiphenyl
 Concen: 6.93 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: BF091314.D
 Acq: 28 Nov 2016 15:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.4	44.0
170	23.8	19.7	29.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





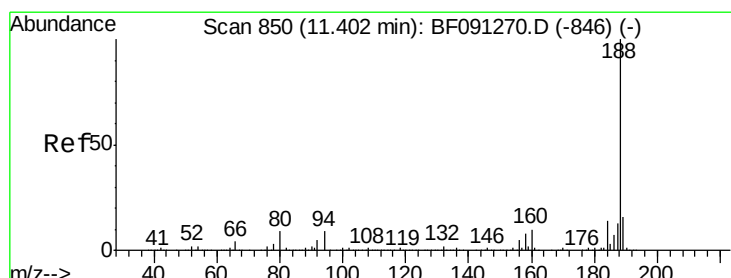
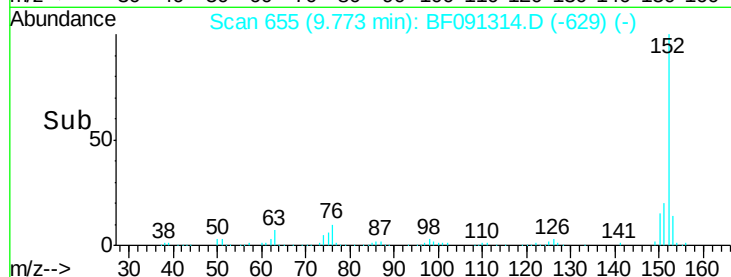
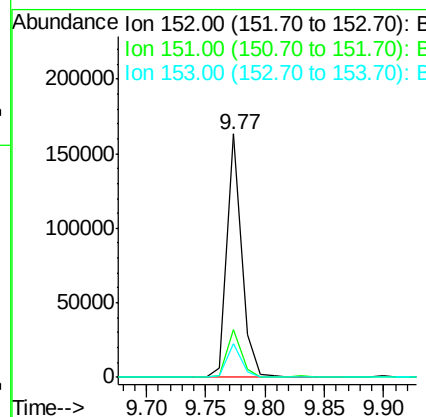
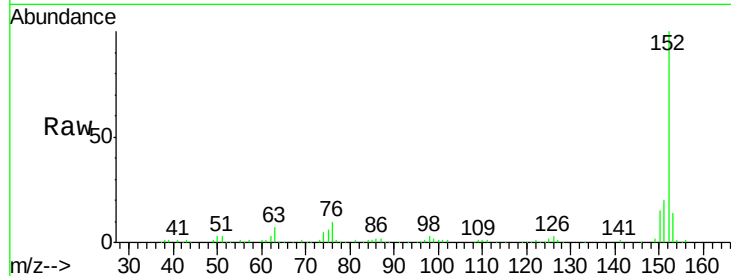
#48
Acenaphthylene
Concen: 3.65 ng
RT: 9.77 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	24.8
153	14.0	10.7	16.1

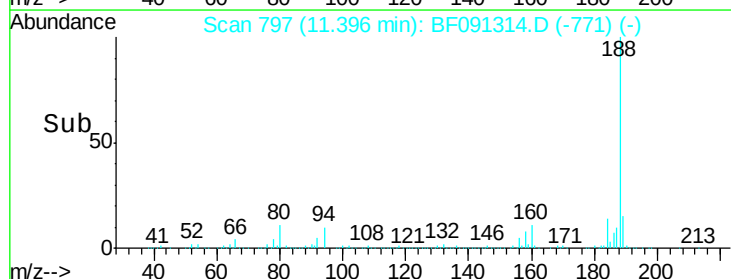
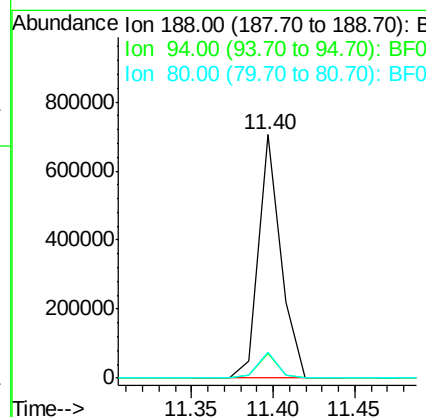
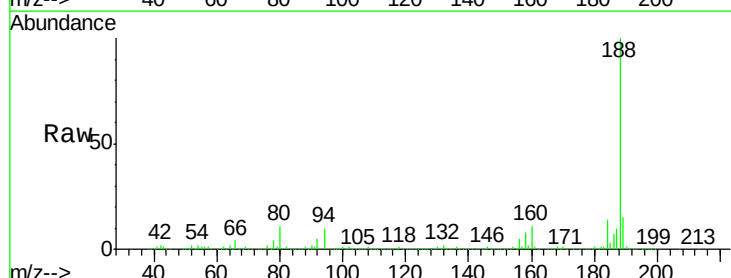
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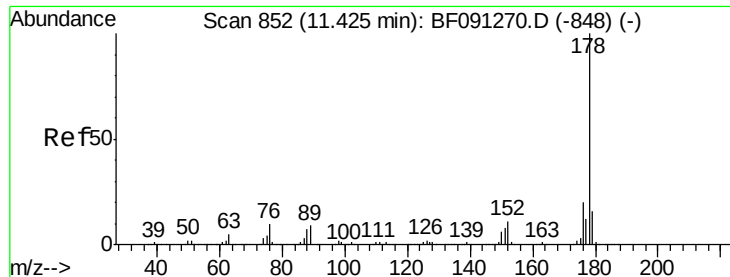
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.2	13.8
80	10.6	10.5	15.7





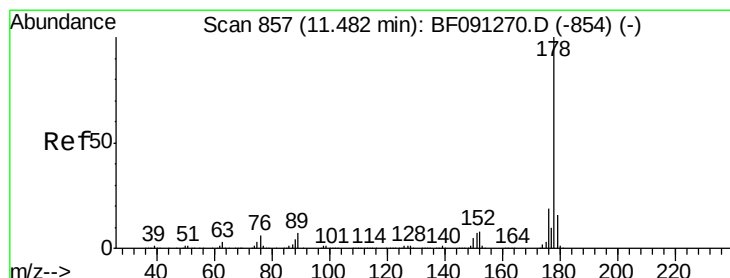
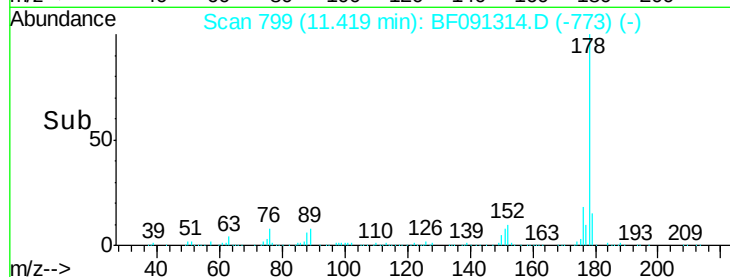
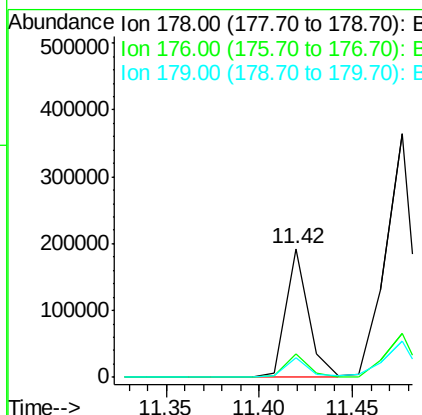
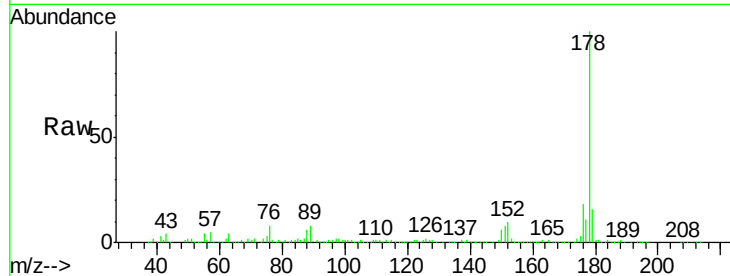
#70
Phenanthrene
Concen: 4.64 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Instrument :
BNA_F
ClientSampleID :
SB-04(0-0.16)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.9	23.9
179	15.6	12.6	18.8

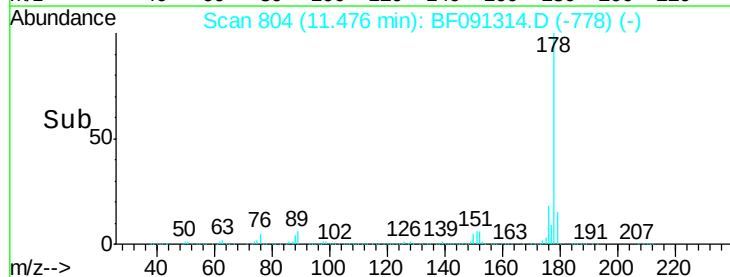
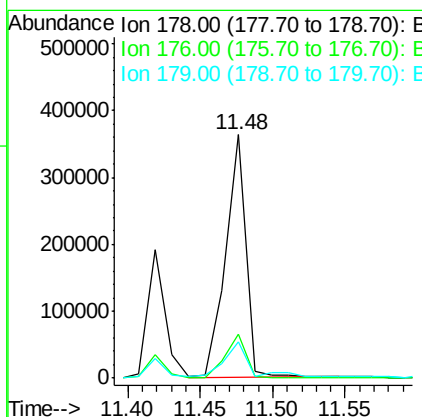
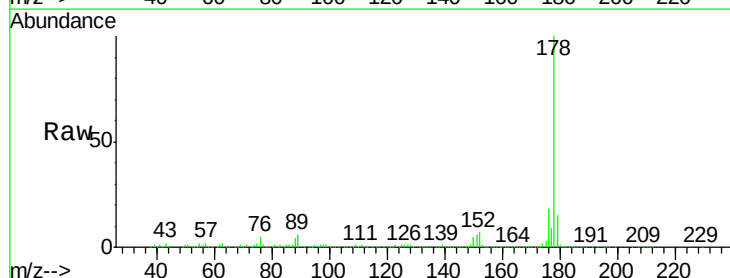
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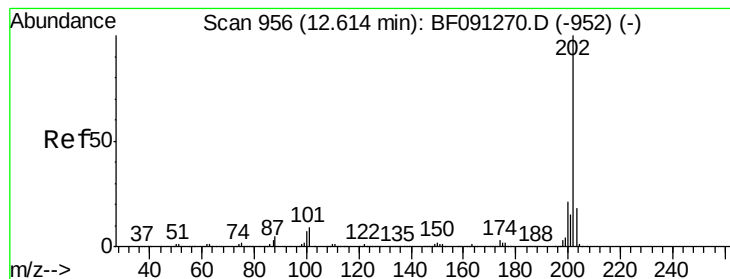
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#71
Anthracene
Concen: 9.83 ng
RT: 11.48 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.6
179	14.9	12.7	19.1





#74

Fluoranthene

Concen: 28.78 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF091314.D

Acq: 28 Nov 2016 15:46

Instrument :

BNA_F

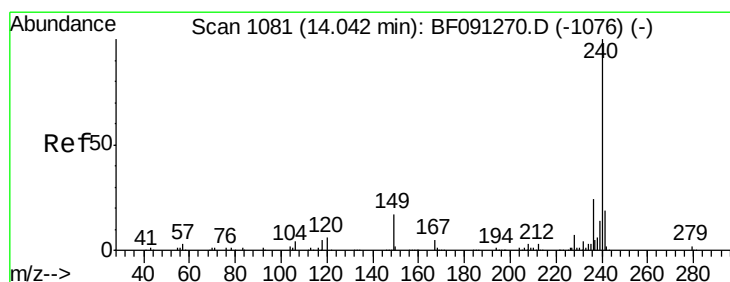
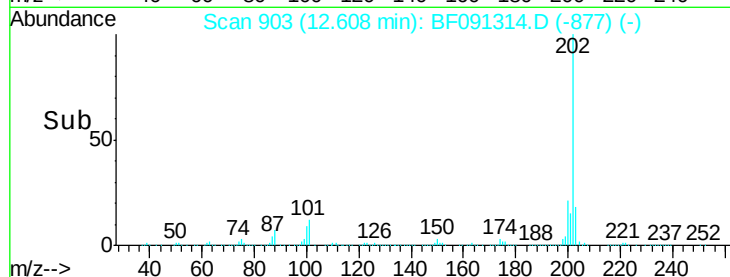
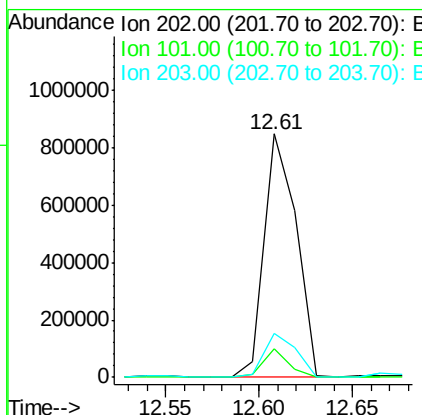
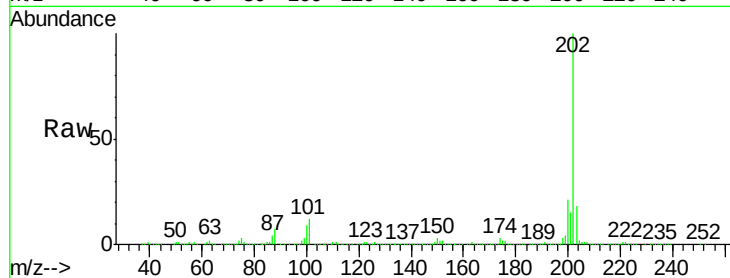
ClientSampleId :

SB-04(0-0.16)DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	29.5
203	18.2	0.0	37.8

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

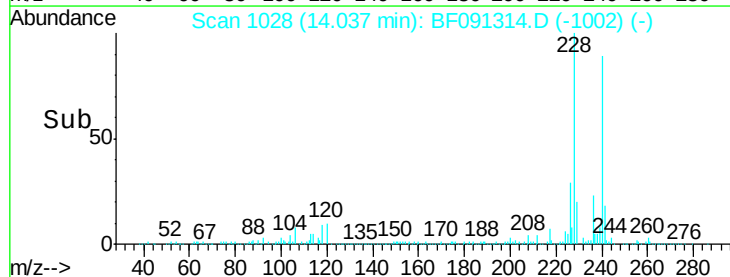
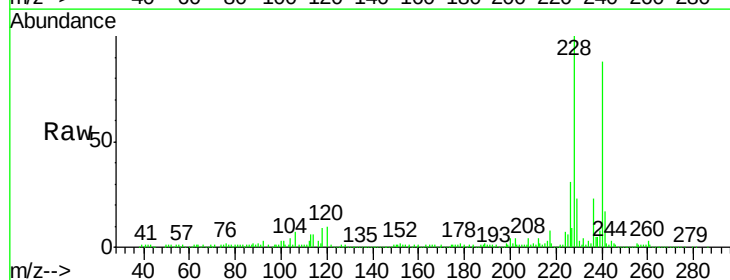
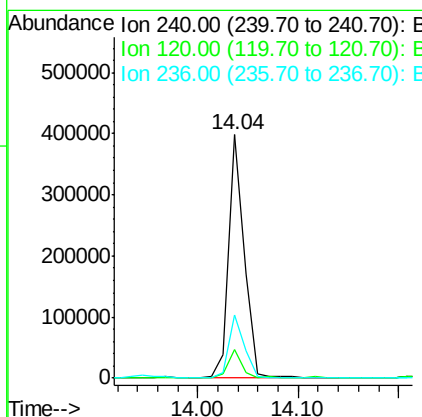
RT: 14.04 min Scan# 1028

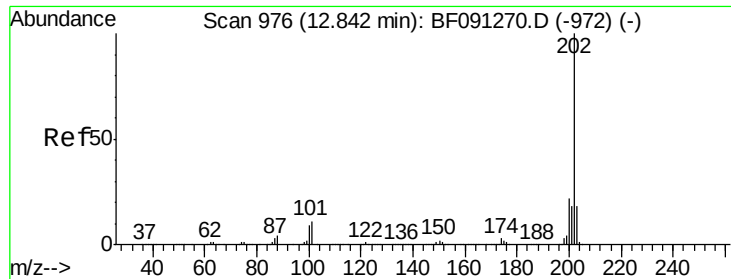
Delta R.T. -0.01 min

Lab File: BF091314.D

Acq: 28 Nov 2016 15:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	12.1	18.1#
236	26.1	21.0	31.6





#77

Pvrene

Concen: 36.34 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF091314.D

Acq: 28 Nov 2016 15:46

Instrument :

BNA_F

ClientSampleId :

SB-04(0-0.16)DL

Tot Ion:202 Resp: 1142669

Ion Ratio Lower Upper

202 100

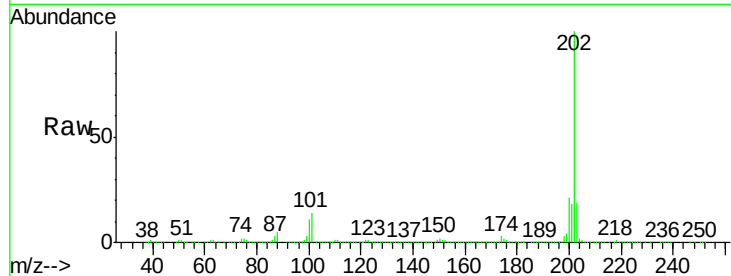
200 21.3 17.6 26.4

203 18.8 14.0 21.0

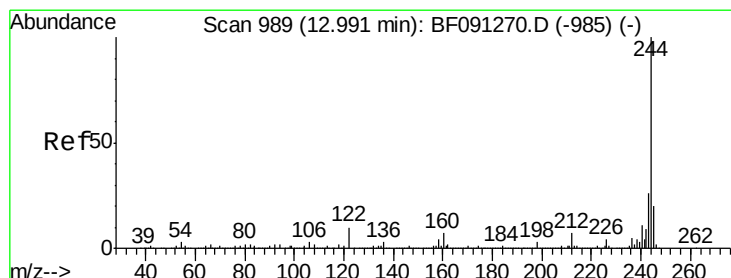
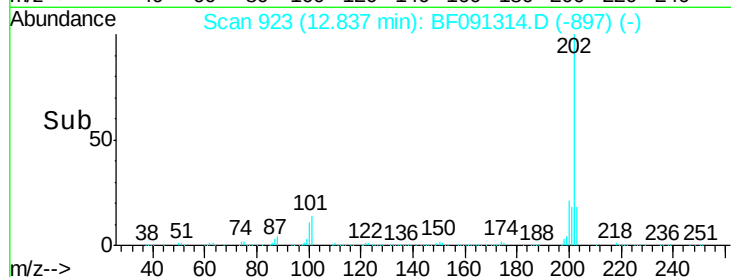
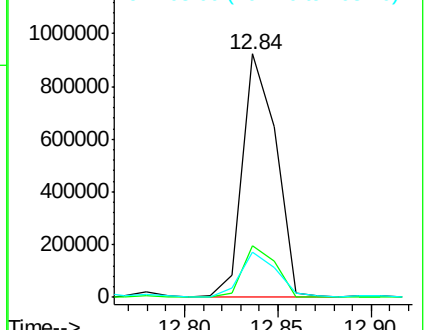
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 7.32 ng

RT: 12.99 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF091314.D

Acq: 28 Nov 2016 15:46

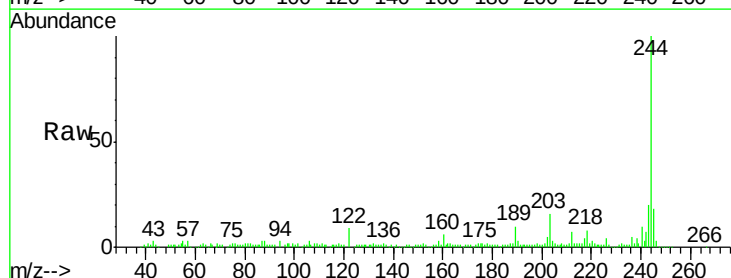
Tgt Ion:244 Resp: 136497

Ion Ratio Lower Upper

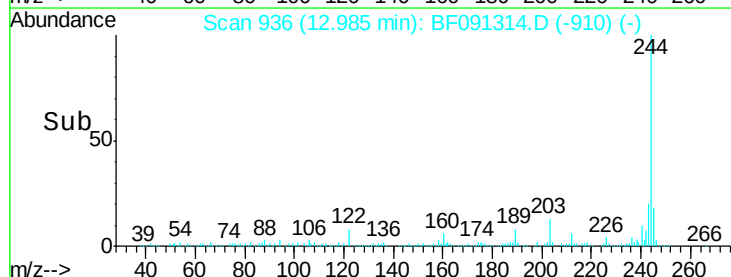
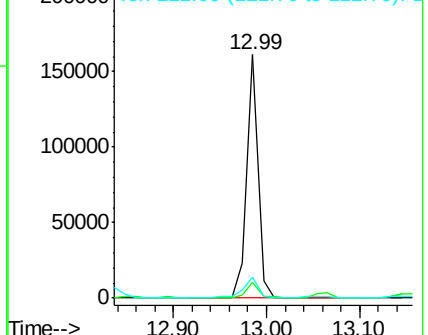
244 100

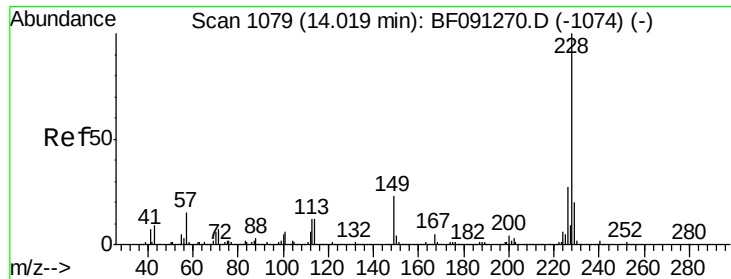
212 6.6 6.5 9.7

122 8.6 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





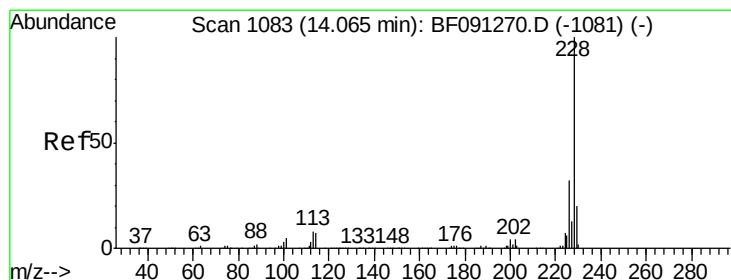
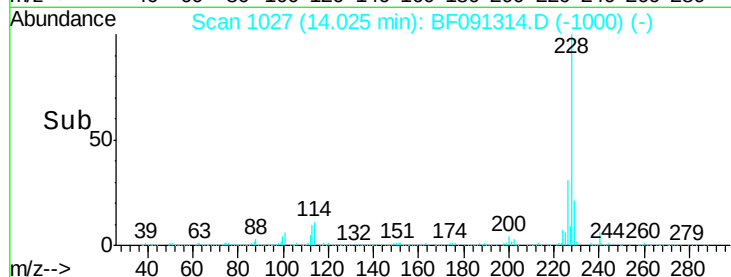
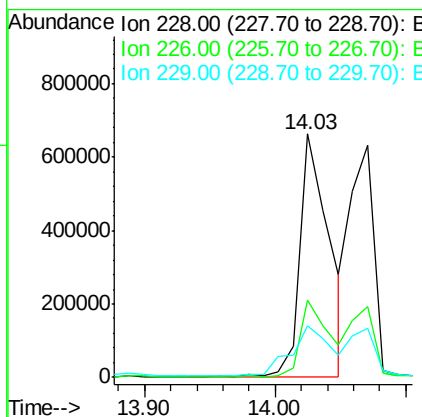
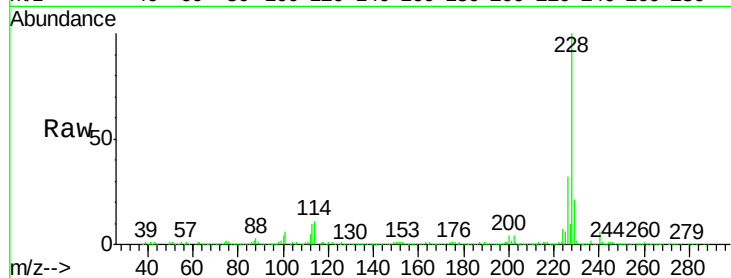
#80
Benzo(a)anthracene
Concen: 42.51 ng
RT: 14.03 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)DL

Tot Ion:228 Resp: 1026934
Ion Ratio Lower Upper
228 100
226 31.8 22.5 33.7
229 21.4 16.4 24.6

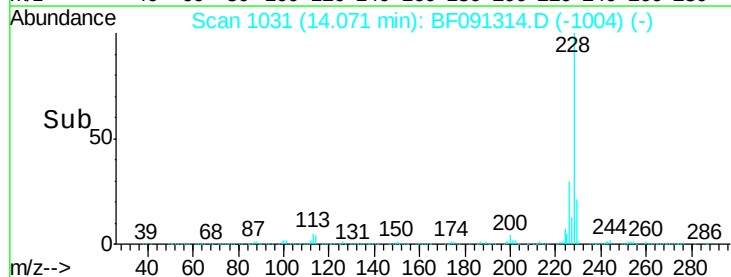
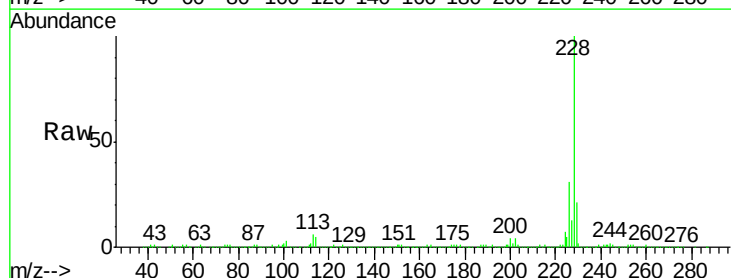
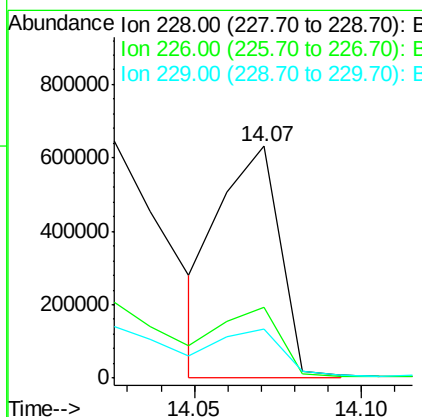
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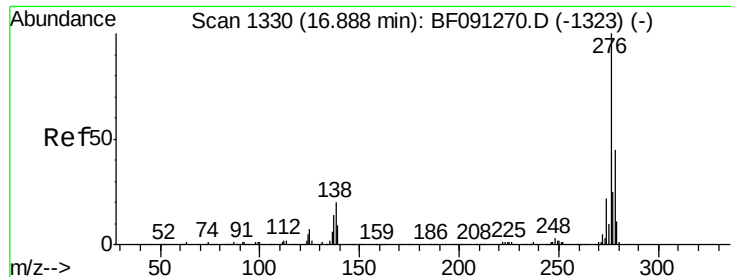
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#82
Chrysene
Concen: 35.02 ng m
RT: 14.07 min Scan# 1031
Delta R.T. 0.01 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Tgt Ion:228 Resp: 799361
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.4
229 21.4 16.0 24.0





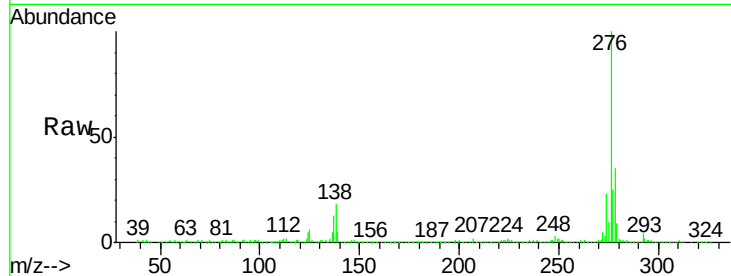
#85
Indeno(1,2,3-cd)pyrene
Concen: 32.41 ng
RT: 16.92 min Scan# 1280
Delta R.T. 0.03 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)DL

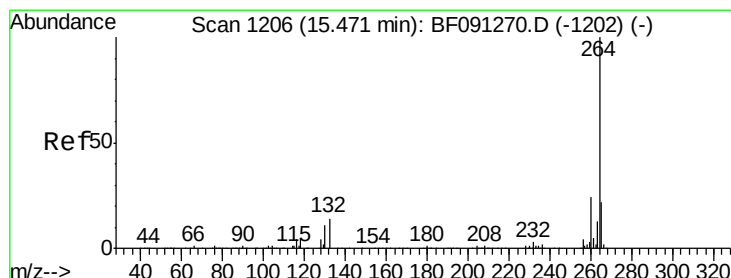
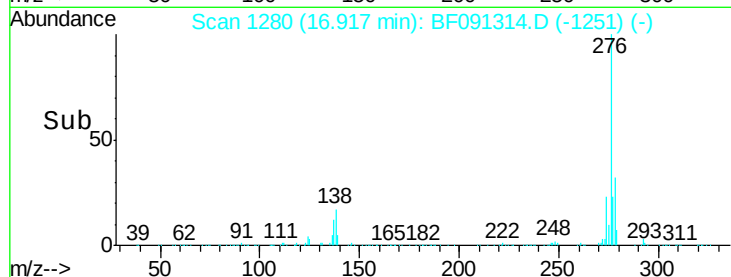
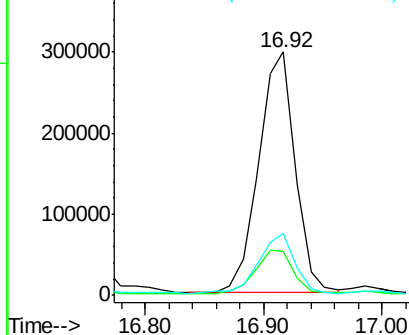
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	21.0	31.4#
277	24.1	20.2	30.2

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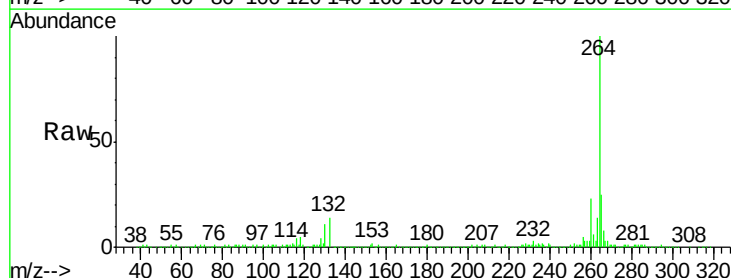


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

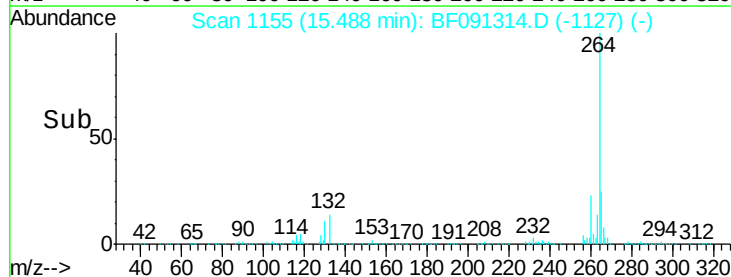
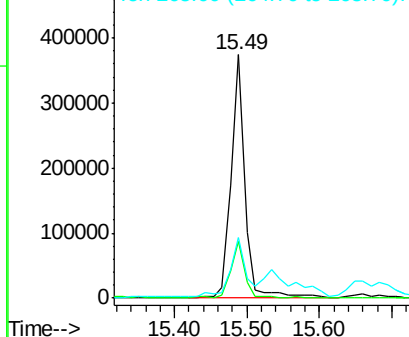


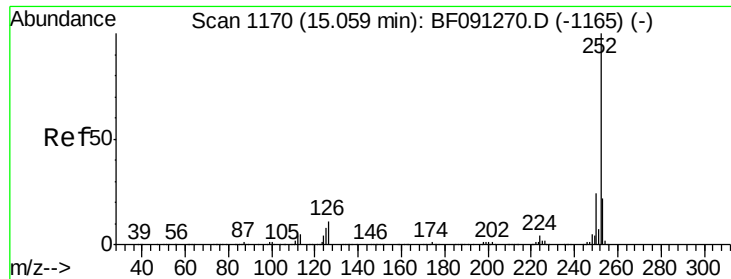
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1155
Delta R.T. 0.02 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	25.1	17.0	25.6



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





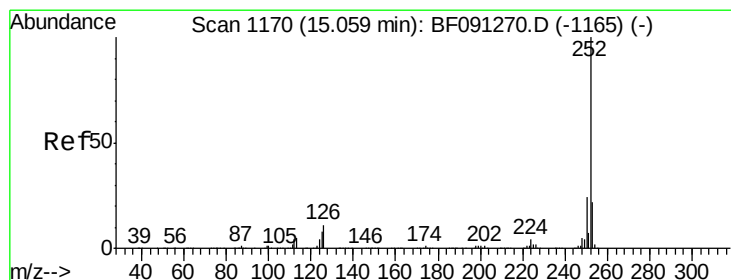
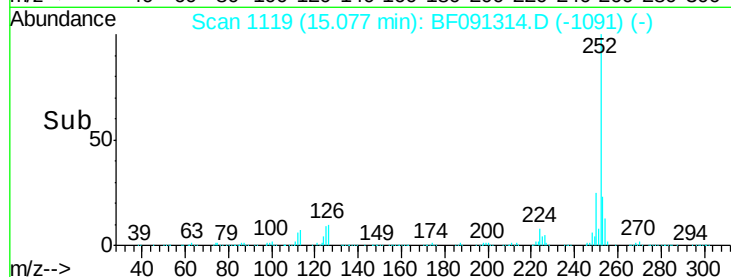
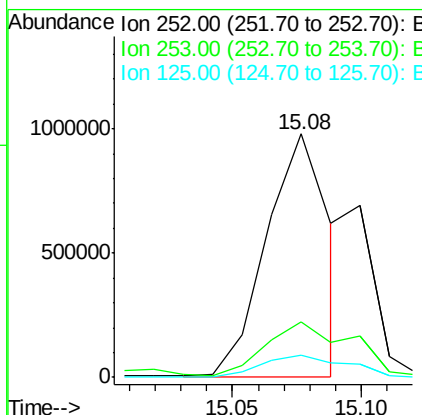
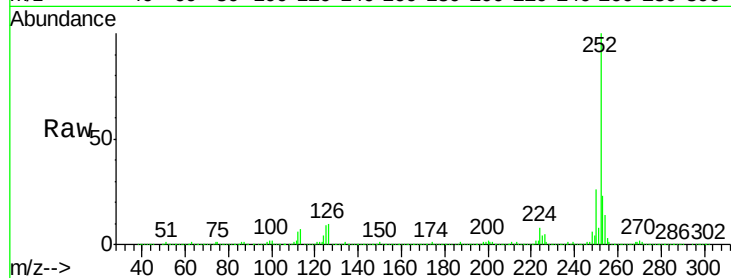
#87
Benzo(b)fluoranthene
Concen: 53.56 ng m
RT: 15.08 min Scan# 1119
Delta R.T. 0.02 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	9.3	8.6	13.0

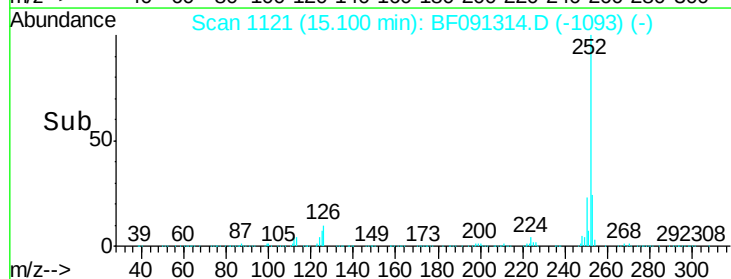
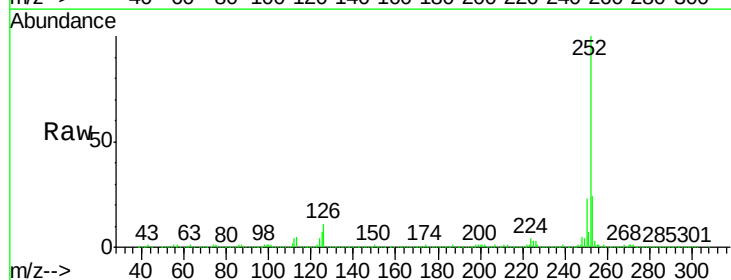
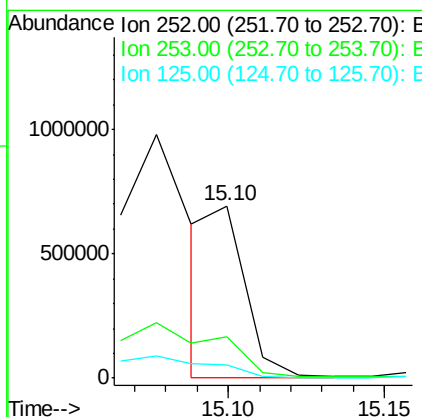
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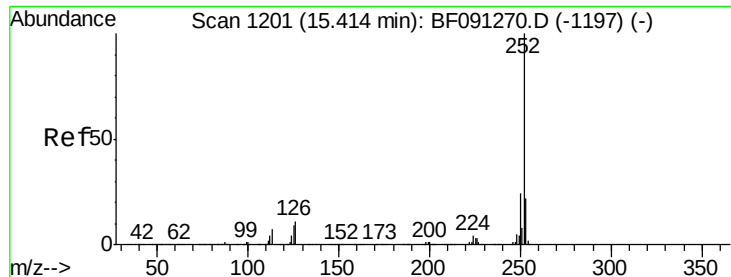
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#88
Benzo(k)fluoranthene
Concen: 21.52 ng m
RT: 15.10 min Scan# 1121
Delta R.T. 0.02 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	7.4	9.6	14.4#





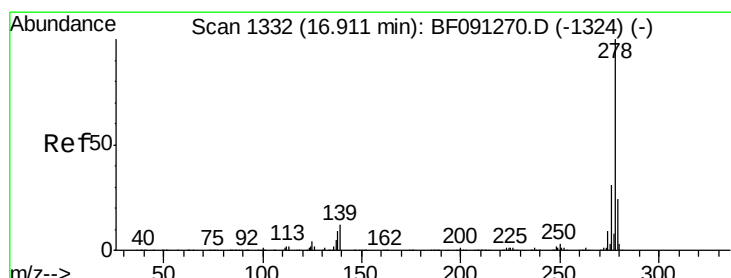
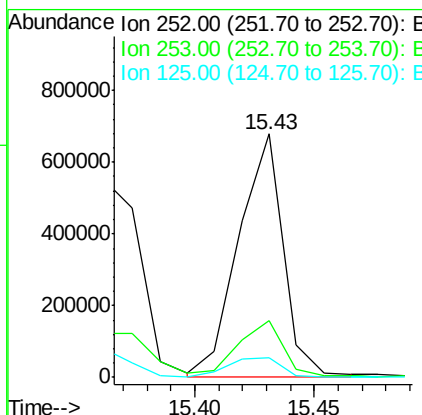
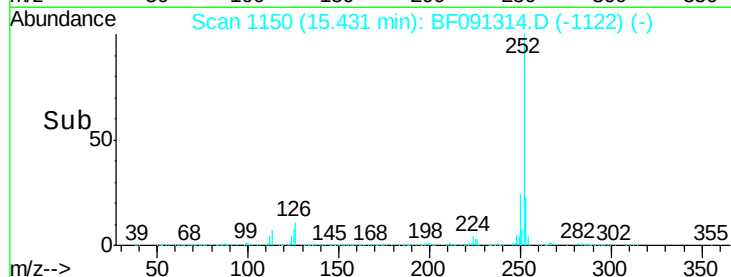
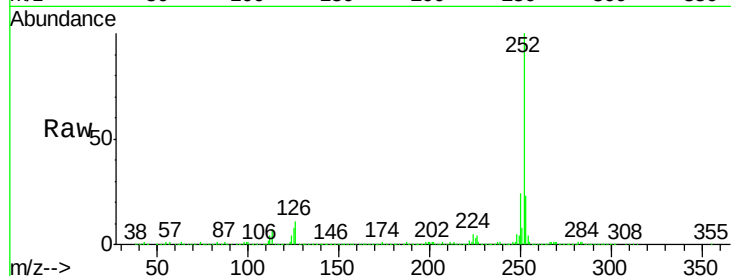
#89
Benzo(a)pyrene
Concen: 33.56 ng m
RT: 15.43 min Scan# 1150
Delta R.T. 0.02 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	8.1	10.4	15.6

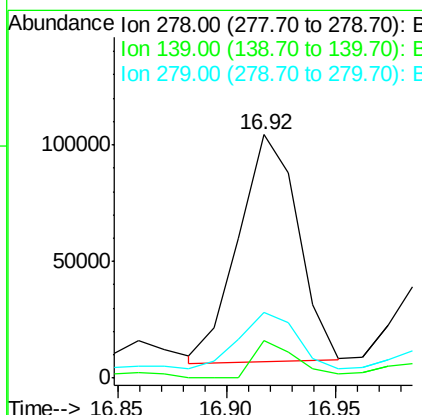
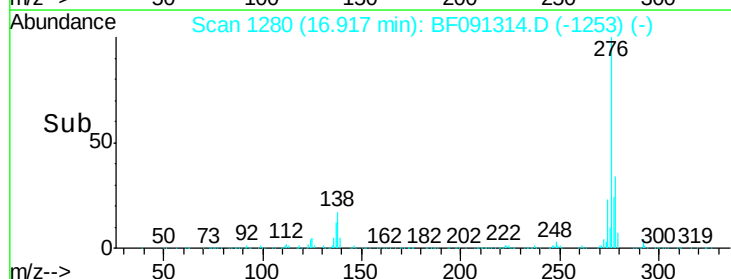
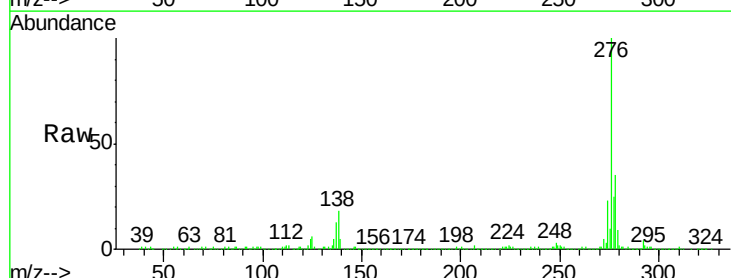
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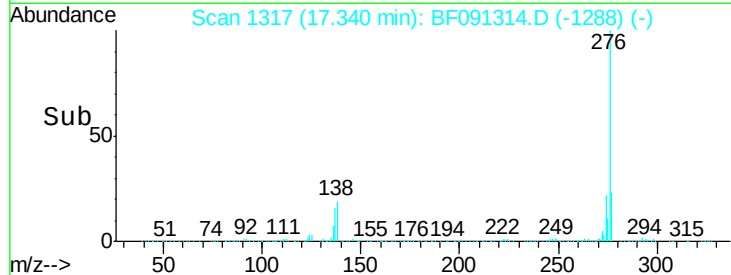
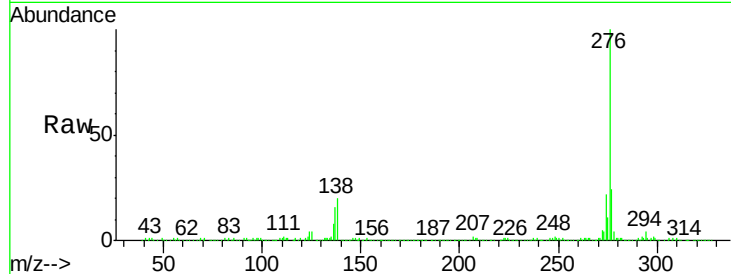
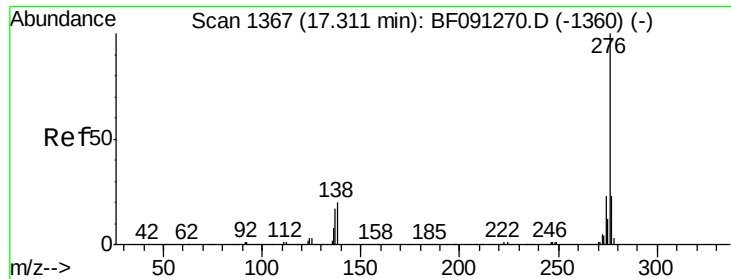
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#90
Dibenzo(a,h)anthracene
Concen: 7.60 ng
RT: 16.92 min Scan# 1280
Delta R.T. 0.01 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.6	15.1	22.7
279	27.2	19.0	28.6





#91
Benzo(a,h,i)perylene
Concen: 22.41 ng
RT: 17.34 min Scan# 1317
Delta R.T. 0.03 min
Lab File: BF091314.D
Acq: 28 Nov 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	19.7	15.4	23.0

Manual Integrations
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