

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
 Data File : BF091032.D
 Acq On : 4 Nov 2016 20:40
 Operator : UM/SJ
 Sample : H5526-18
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-107-1.0-1.5

Manual Integrations
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Quant Time: Nov 07 04:26:02 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	210257	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	791086	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	398872	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	515359	20.00	ng	0.00
75) Chrysene-d12	13.86	240	322410	20.00	ng	0.00
86) Perylene-d12	15.25	264	353831	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1551475	121.87	ng	0.01
7) Phenol-d6	6.36	99	1958555	113.34	ng	0.01
23) Nitrobenzene-d5	7.28	82	1402466	96.71	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	319164	88.51	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1683558	72.67	ng	0.00
78) Terphenyl-d14	12.82	244	1324013	102.48	ng	0.01
Target Compounds						
31) Naphthalene	8.01	128	182778	4.83	ng	Qvalue 99
49) Dimethylphthalate	9.47	163	636472	24.33	ng	98
70) Phenanthrene	11.25	178	321020	11.72	ng	# 93
73) Di-n-butylphthalate	11.81	149	15830588	479.55	ng	97
74) Fluoranthene	12.45	202	345566	12.16	ng	90
77) Pyrene	12.67	202	312269	14.79	ng	98
80) Benzo(a)anthracene	13.85	228	142514	7.79	ng	# 96
82) Chrysene	13.88	228	134512	7.45	ng	# 94
83) Bis(2-ethylhexyl)phthalate	13.86	149	2585673	189.18	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.57	276	68524	4.58	ng	# 92
87) Benzo(b)fluoranthene	14.87	252	186344m	7.76	ng	
88) Benzo(k)fluoranthene	14.88	252	85104m	4.04	ng	
89) Benzo(a)pyrene	15.20	252	111678	5.35	ng	# 78
91) Benzo(g,h,i)perylene	16.96	276	61570	3.77	ng	# 91

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

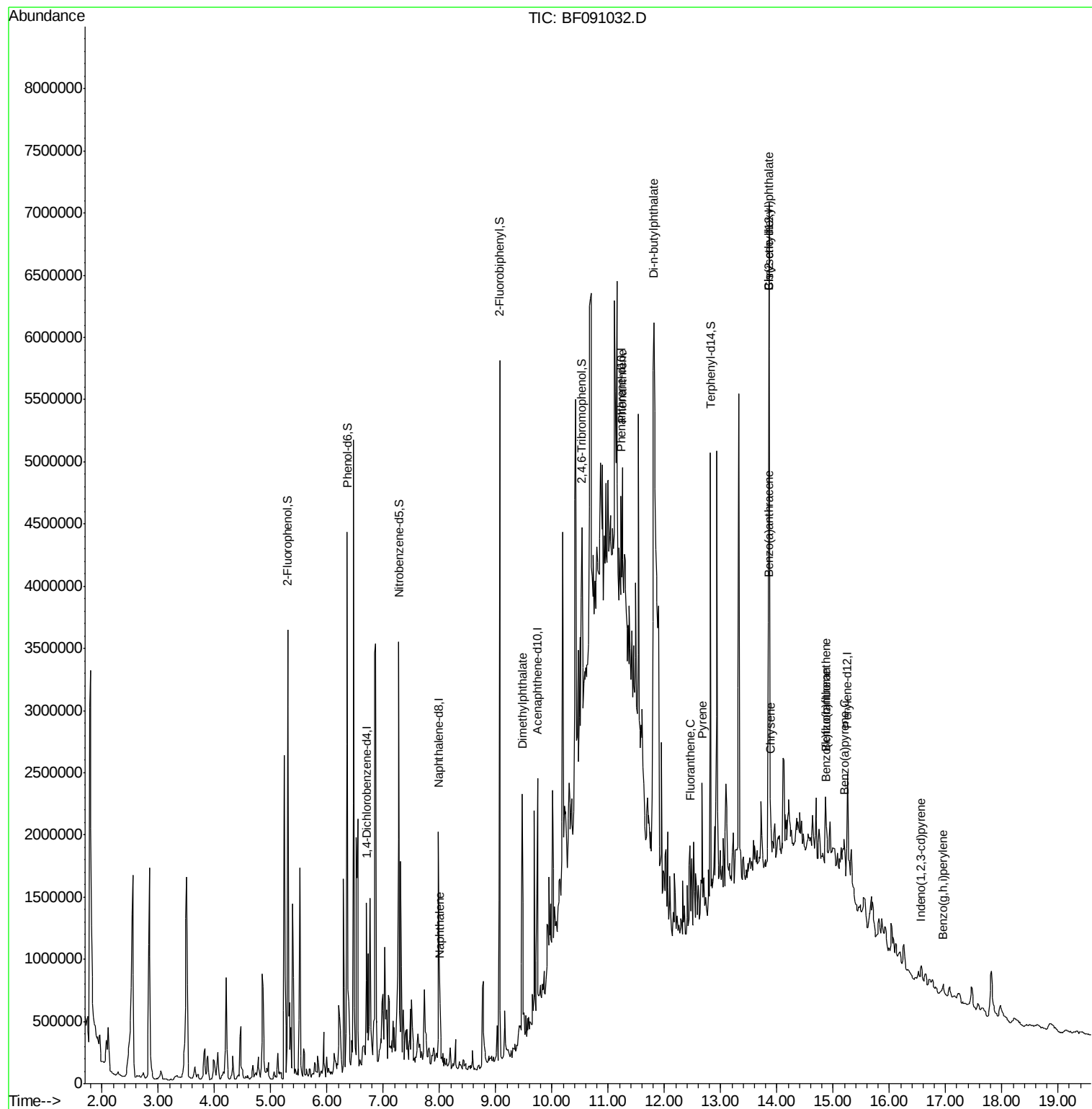
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
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#1

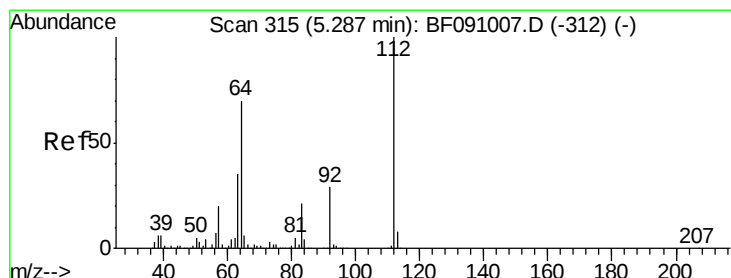
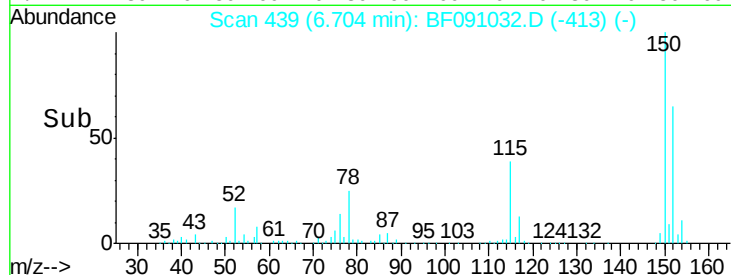
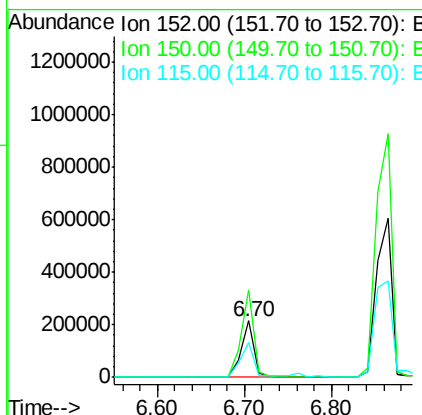
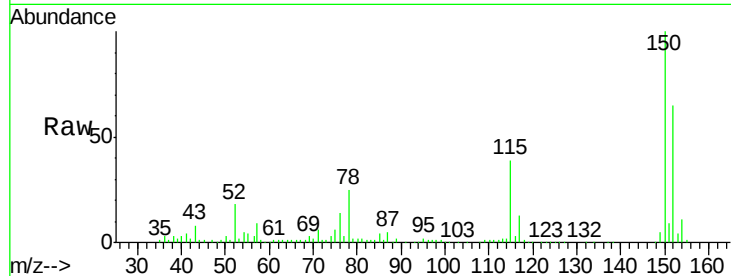
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF091032.D
Acq: 4 Nov 2016 20:40

Instrument :
BNA_F
ClientSampleId :
SB-107-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.8	190.2
115	61.0	53.3	79.9

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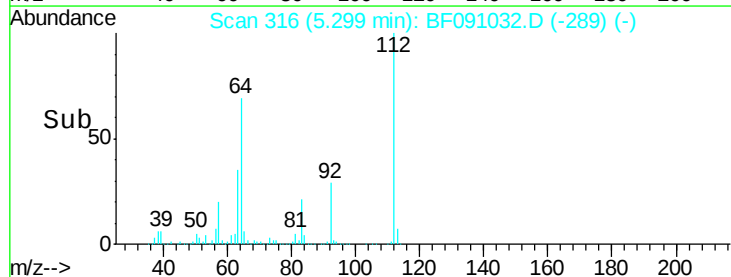
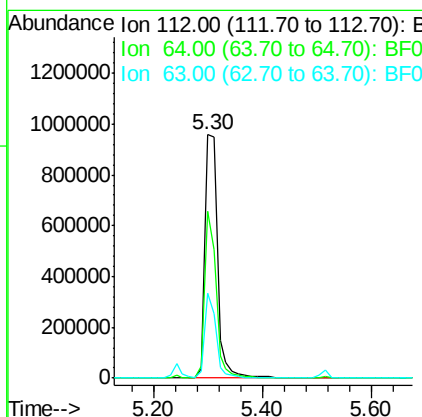
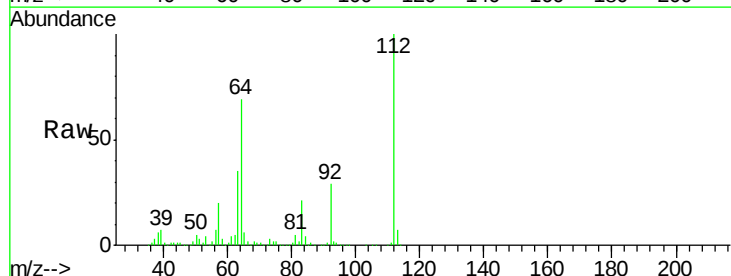
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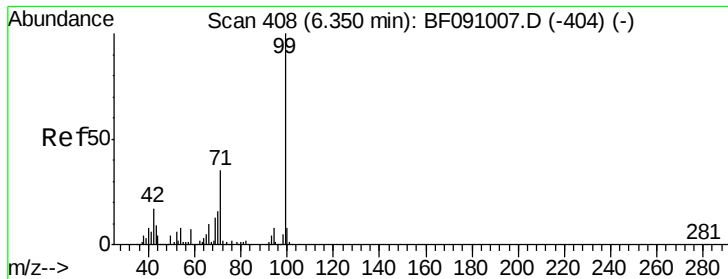


#5

2-Fluorophenol
Concen: 121.87 ng
RT: 5.30 min Scan# 316
Delta R.T. 0.01 min
Lab File: BF091032.D
Acq: 4 Nov 2016 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.8	55.8	83.6
63	34.9	28.0	42.0





#7

Phenol-d6

Concen: 113.34 ng

RT: 6.36 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091032.D

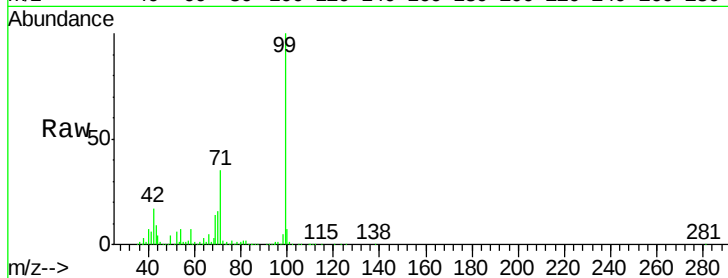
Acq: 4 Nov 2016 20:40

Instrument :

BNA_F

ClientSampleId :

SB-107-1.0-1.5



Tgt Ion: 99 Resp: 195855

Ion Ratio Lower Upper

99 100

42 17.2 13.9 20.9

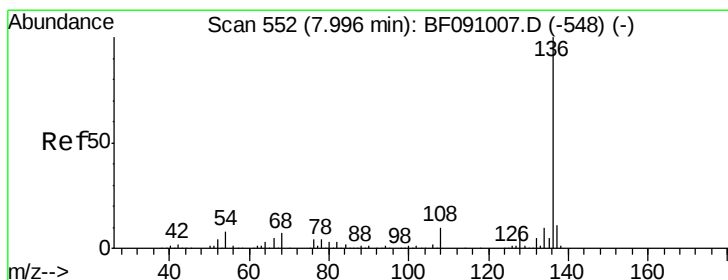
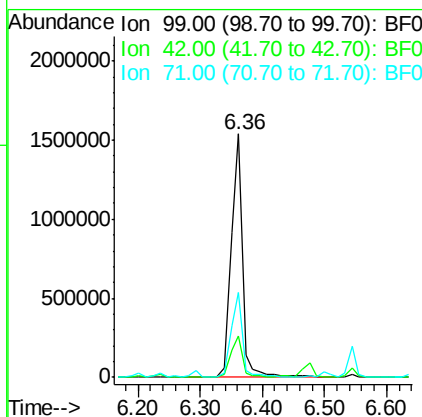
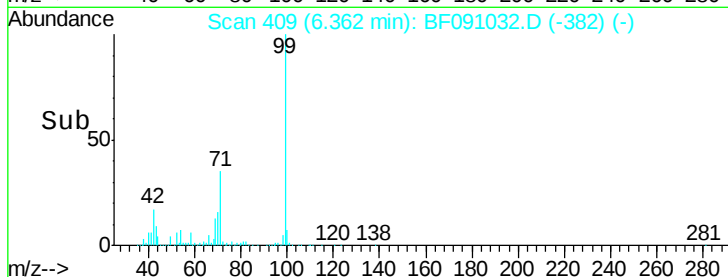
71 34.7 27.8 41.8

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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: BF091032.D

Acq: 4 Nov 2016 20:40

Tgt Ion: 136 Resp: 791086

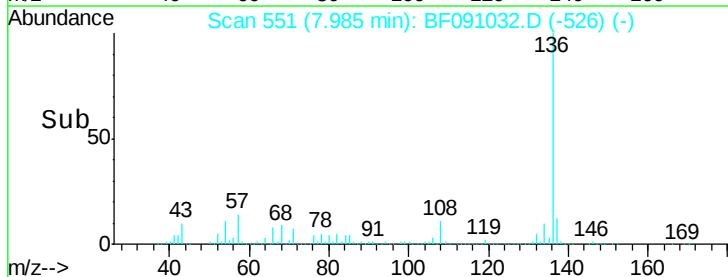
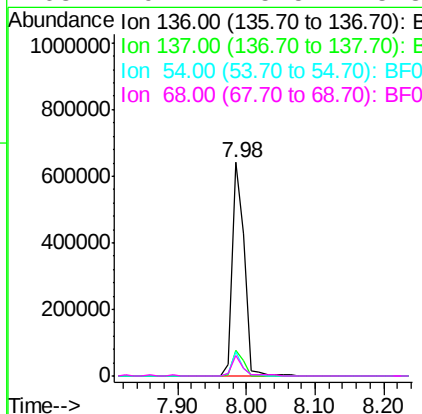
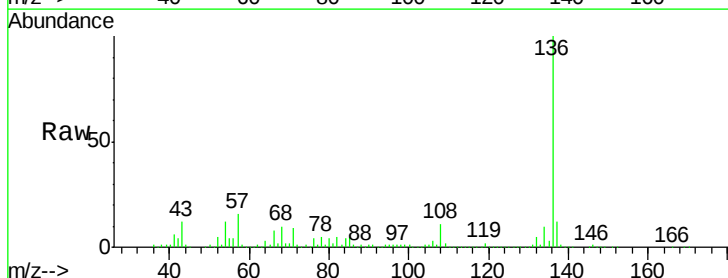
Ion Ratio Lower Upper

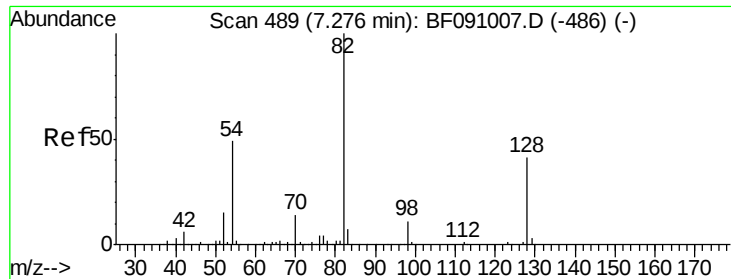
136 100

137 11.9 8.9 13.3

54 11.6 6.2 9.2#

68 9.7 5.5 8.3#





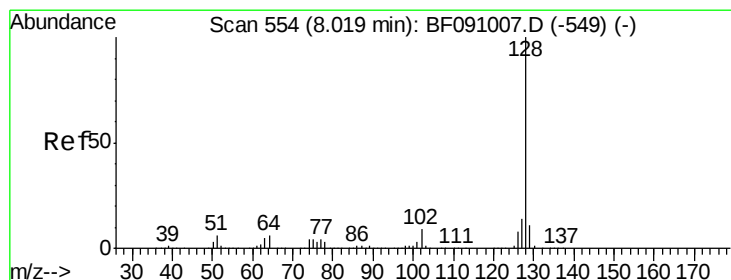
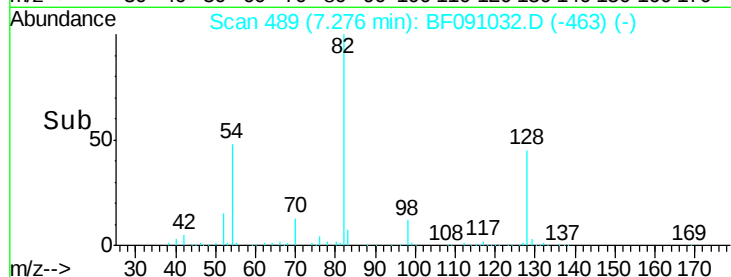
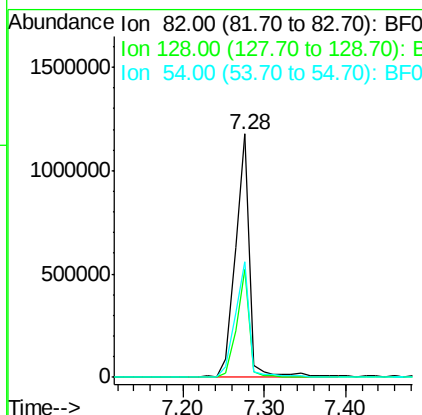
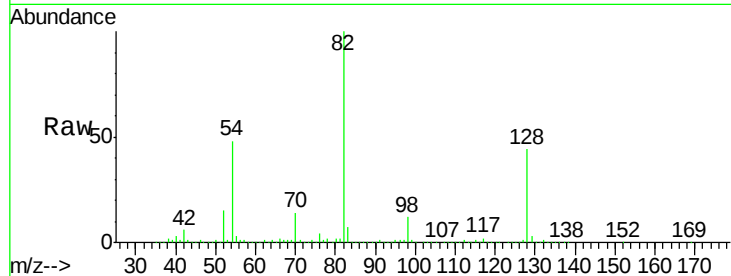
#23
 Nitrobenzene-d5
 Concen: 96.71 ng
 RT: 7.28 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: BF091032.D
 Acq: 4 Nov 2016 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-107-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.5	32.4	48.6
54	47.7	39.2	58.8

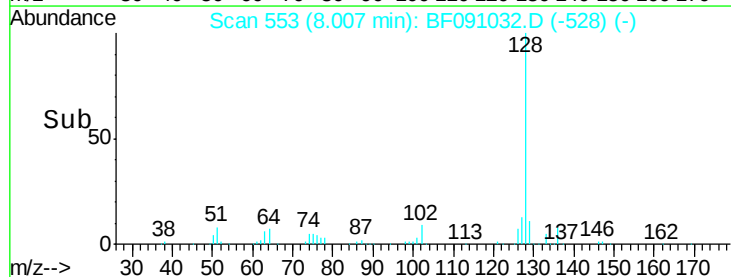
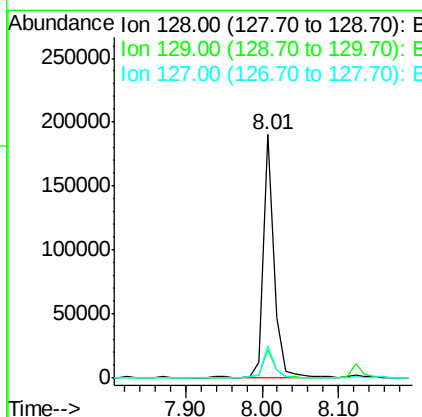
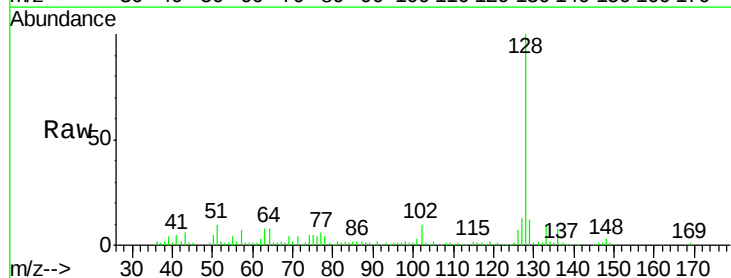
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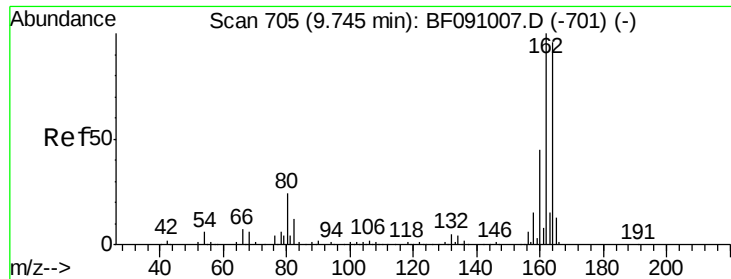
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#31
 Naphthalene
 Concen: 4.83 ng
 RT: 8.01 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF091032.D
 Acq: 4 Nov 2016 20:40

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	13.4	10.9	16.3





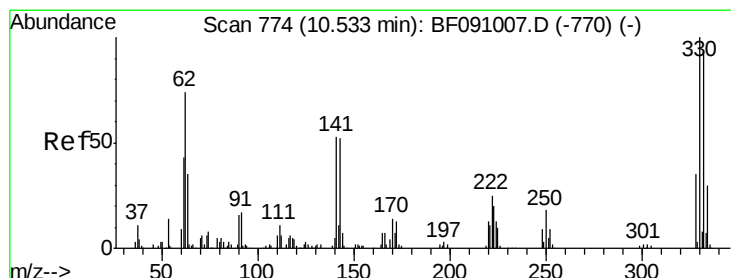
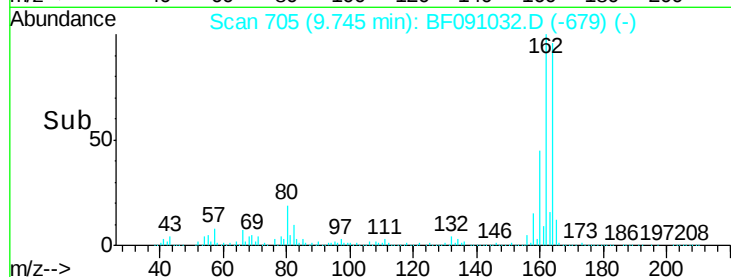
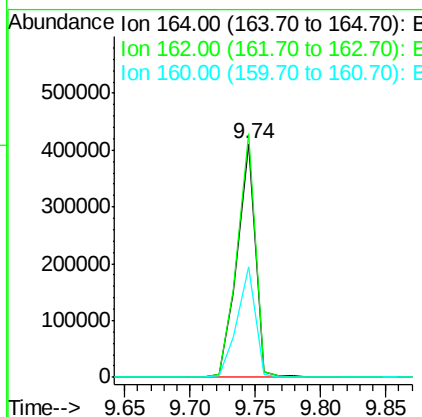
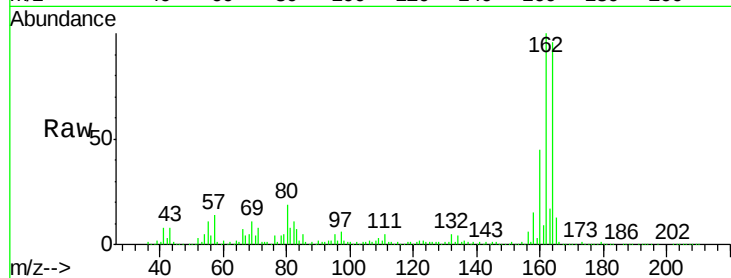
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF091032.D
Acq: 4 Nov 2016 20:40

Instrument :
BNA_F
ClientSampleId :
SB-107-1.0-1.5

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	398872		
162	104.3	83.6	125.4	
160	47.4	37.9	56.9	

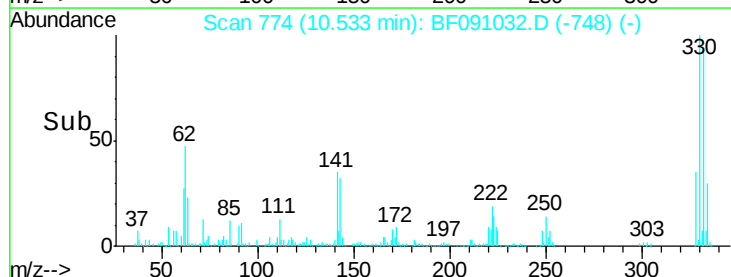
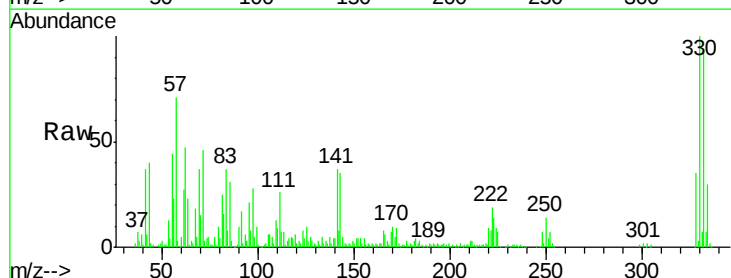
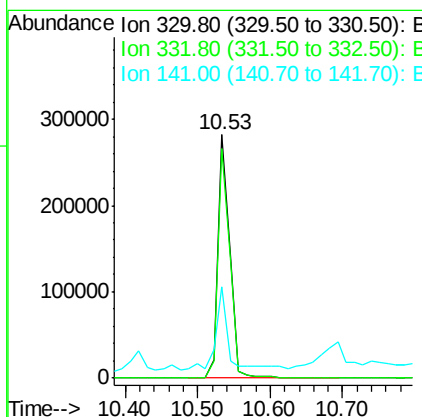
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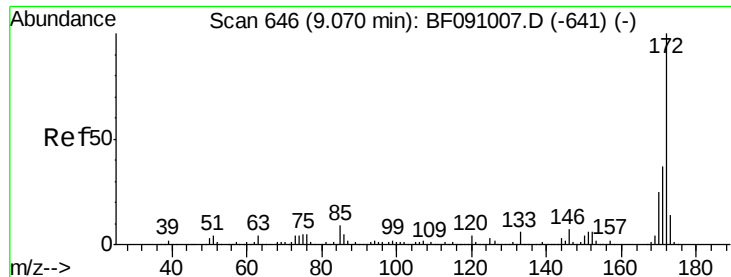
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#41
2,4,6-Tribromophenol
Concen: 88.51 ng
RT: 10.53 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF091032.D
Acq: 4 Nov 2016 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	319164		
332	95.2	75.9	113.9	
141	32.3	36.1	54.1#	





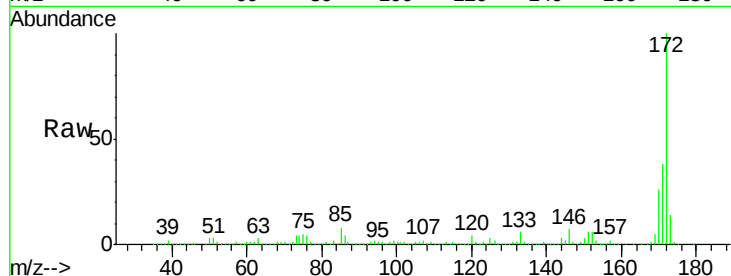
#44
 2-Fluorobiphenyl
 Concen: 72.67 ng
 RT: 9.07 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF091032.D
 Acq: 4 Nov 2016 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-107-1.0-1.5

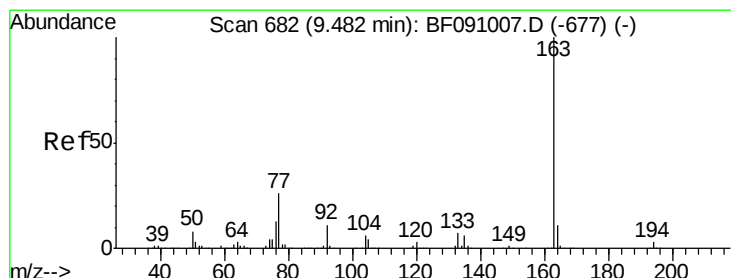
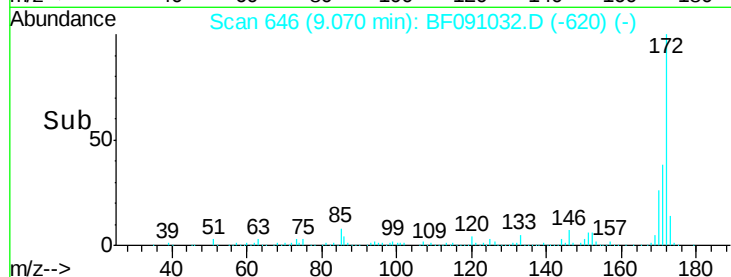
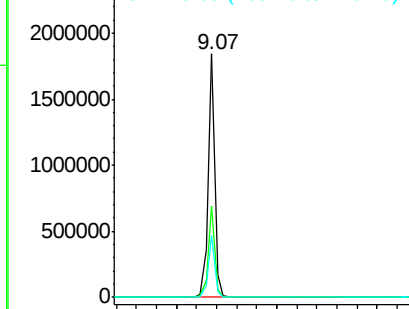
Tgt Ion:172 Resp: 1683558
 Ion Ratio Lower Upper
 172 100
 171 37.7 29.8 44.6
 170 25.6 20.3 30.5

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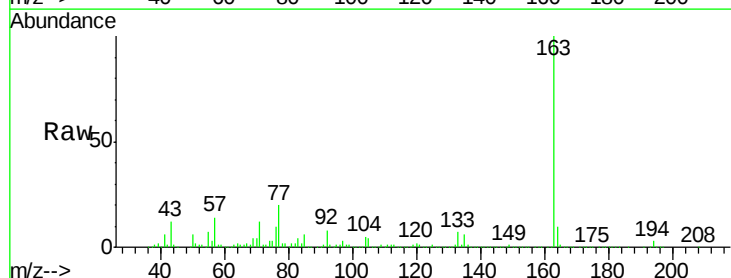


Abundance Ion 172.00 (171.70 to 172.70): E
 2500000
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

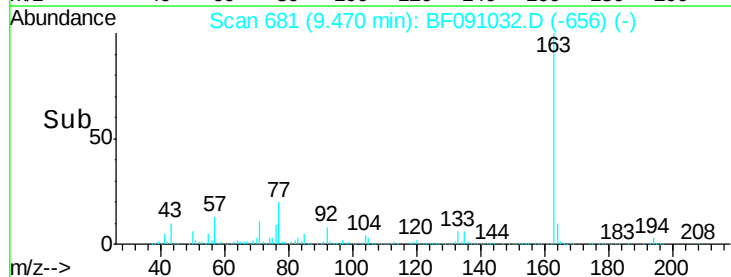
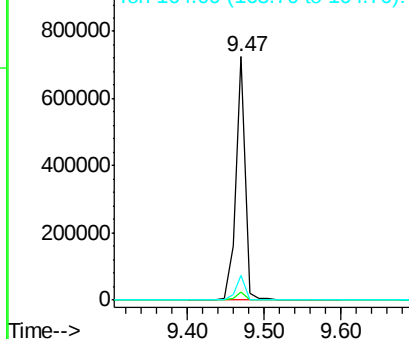


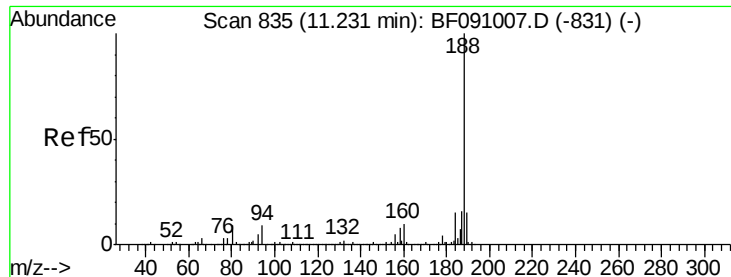
#49
 Dimethylphthalate
 Concen: 24.33 ng
 RT: 9.47 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF091032.D
 Acq: 4 Nov 2016 20:40

Tgt Ion:163 Resp: 636472
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 10.2 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
 1000000
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





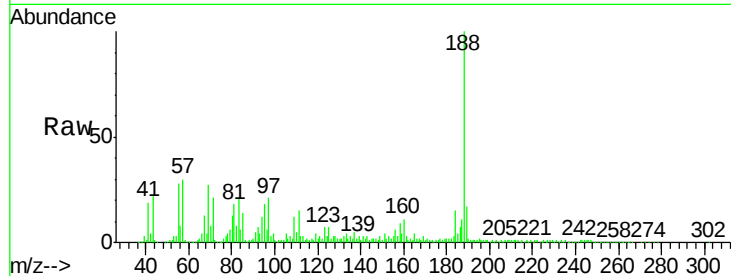
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF091032.D
Acq: 4 Nov 2016 20:40

Instrument :
BNA_F
ClientSampleId :
SB-107-1.0-1.5

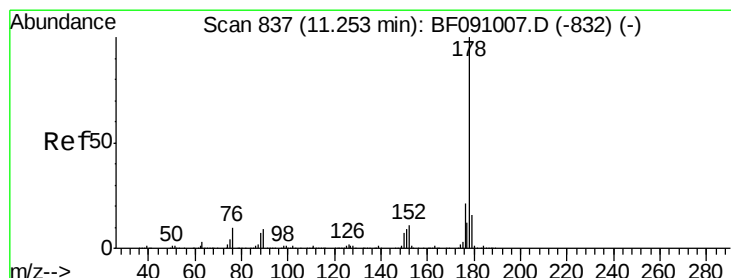
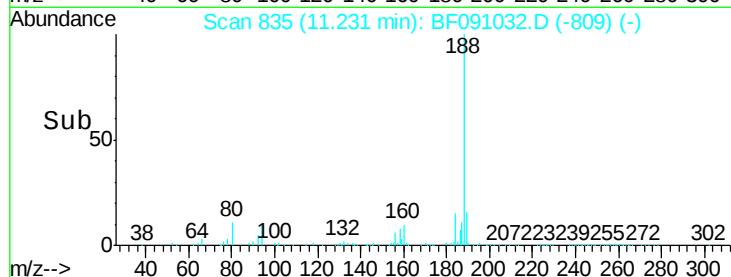
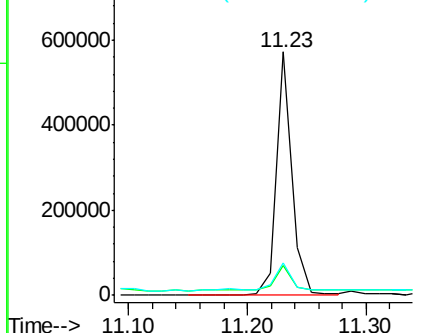
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.2	7.0	10.4#
80	13.2	7.5	11.3#

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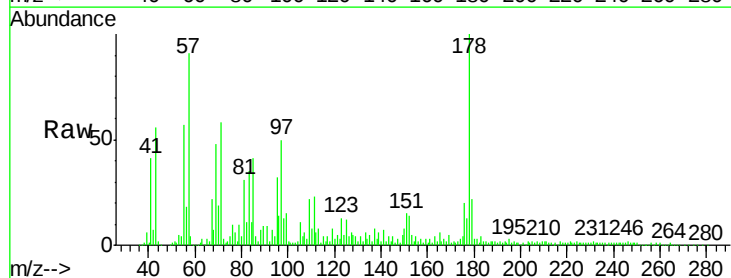


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

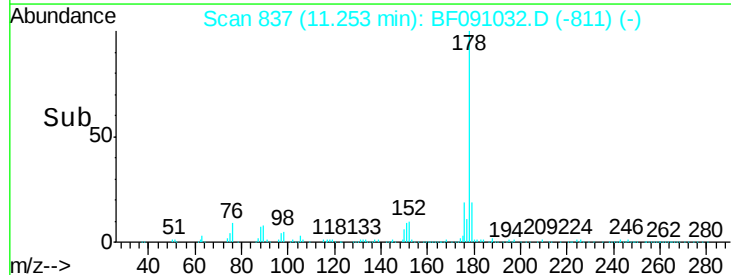
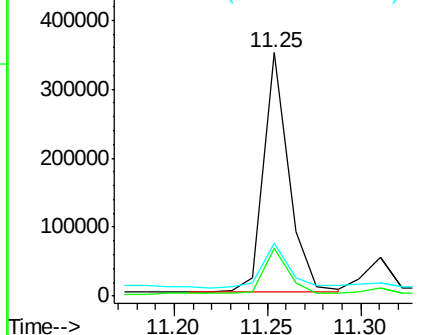


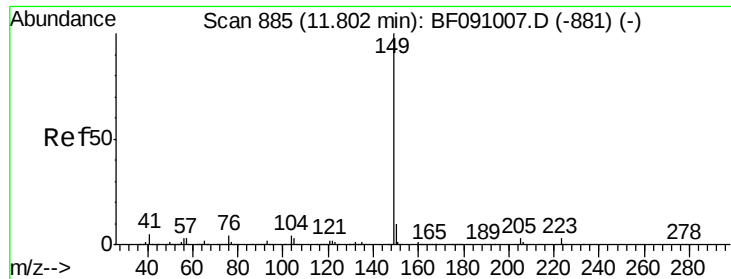
#70
Phenanthrene
Concen: 11.72 ng
RT: 11.25 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF091032.D
Acq: 4 Nov 2016 20:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.8	16.6	25.0
179	22.0	12.9	19.3#



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





#73

Di-n-butylphthalate

Concen: 479.55 ng

RT: 11.81 min Scan# 886

Delta R.T. 0.01 min

Lab File: BF091032.D

Acq: 4 Nov 2016 20:40

Instrument :

BNA_F

ClientSampleId :

SB-107-1.0-1.5

Tgt Ion:149 Resp:15830588

Ion Ratio Lower Upper

149 100

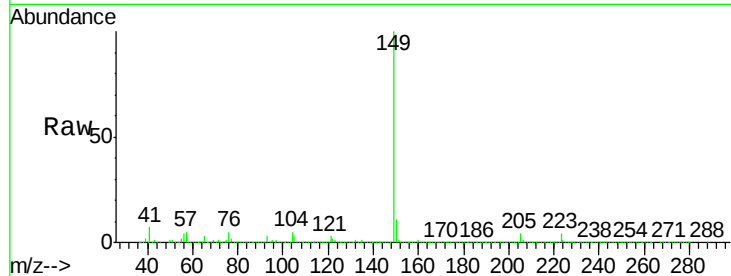
150 11.0 7.7 11.5

104 5.3 3.6 5.4

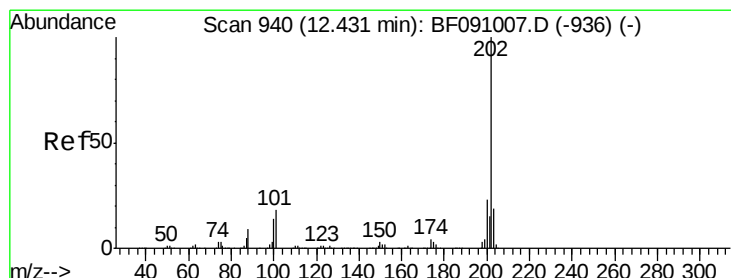
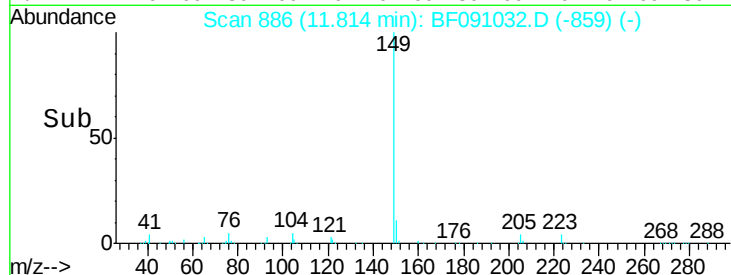
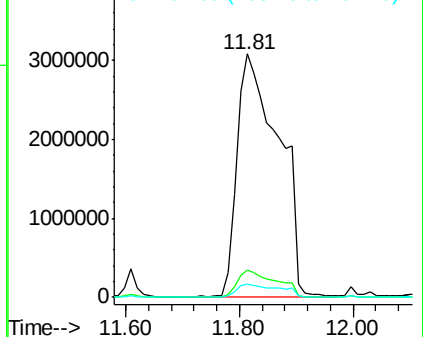
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 12.16 ng

RT: 12.45 min Scan# 942

Delta R.T. 0.02 min

Lab File: BF091032.D

Acq: 4 Nov 2016 20:40

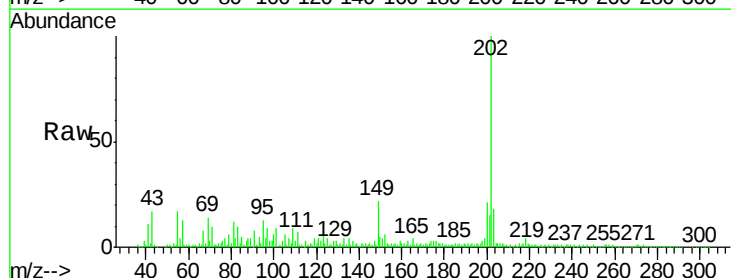
Tgt Ion:202 Resp: 345566

Ion Ratio Lower Upper

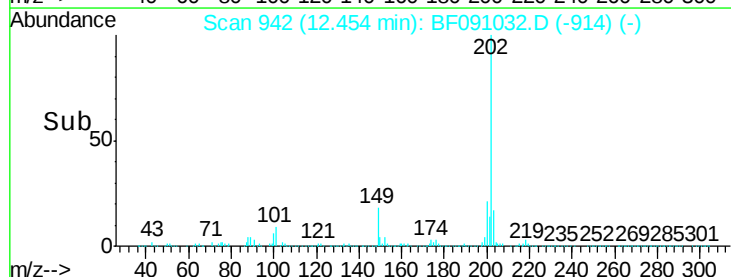
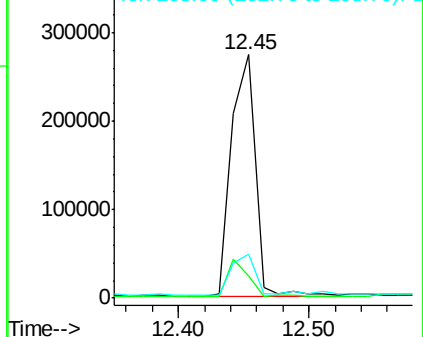
202 100

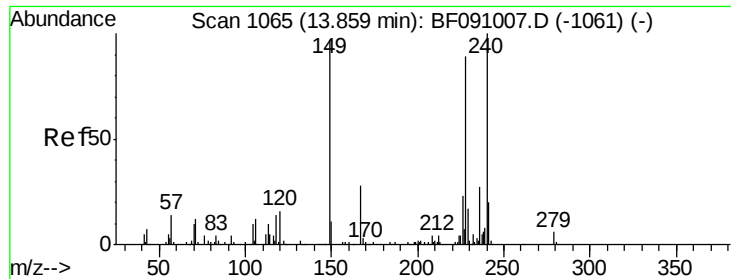
101 9.1 0.0 37.6

203 18.1 0.0 38.6



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: BF091032.D

Acq: 4 Nov 2016 20:40

Instrument :

BNA_F

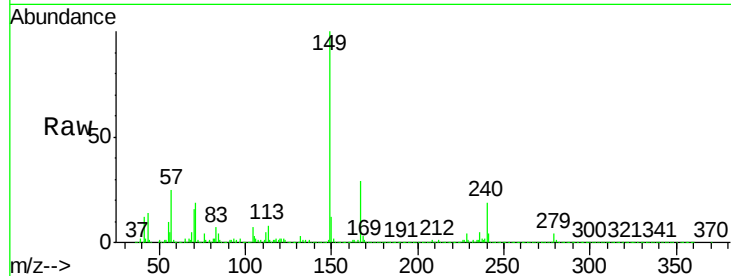
ClientSampleId :

SB-107-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	12.9	19.3#
236	26.7	21.9	32.9

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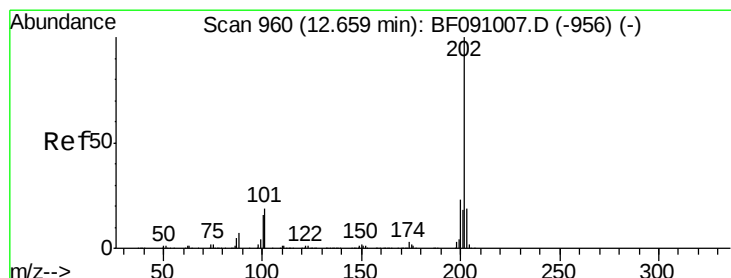
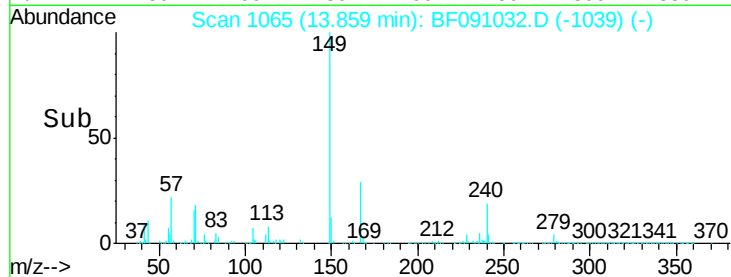
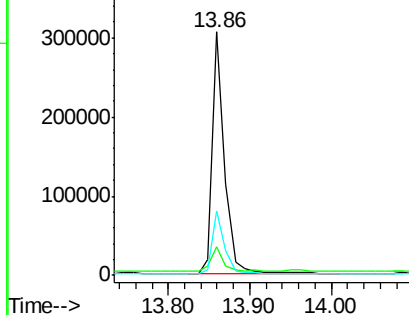
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 14.79 ng

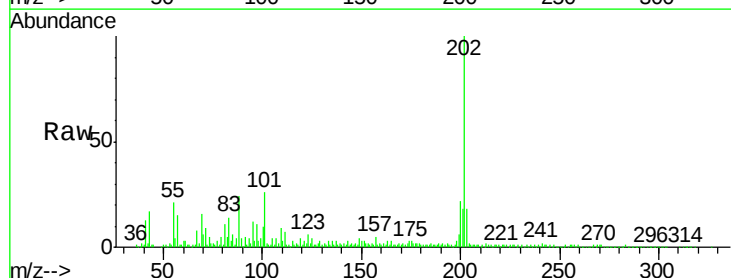
RT: 12.67 min Scan# 961

Delta R.T. 0.01 min

Lab File: BF091032.D

Acq: 4 Nov 2016 20:40

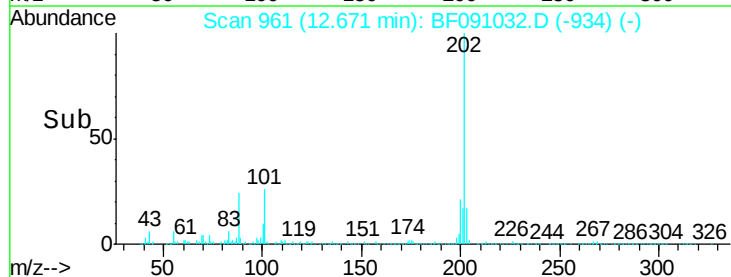
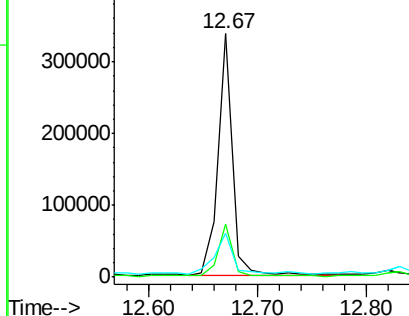
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.4	27.6
203	18.3	15.0	22.6

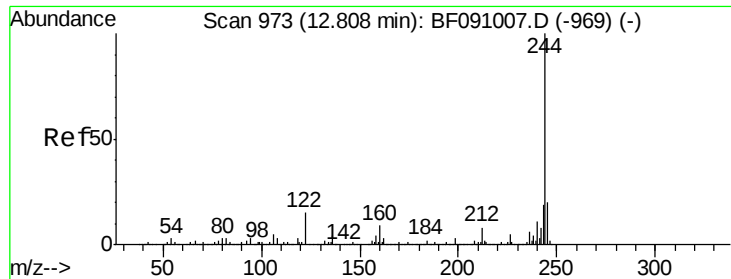


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 102.48 ng

RT: 12.82 min Scan# 974

Delta R.T. 0.01 min

Lab File: BF091032.D

Acq: 4 Nov 2016 20:40

Instrument :

BNA_F

ClientSampleId :

SB-107-1.0-1.5

Tgt Ion:244 Resp: 1324013

Ion Ratio Lower Upper

244 100

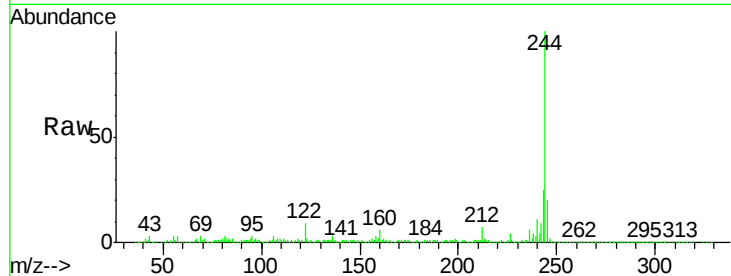
212 7.0 6.4 9.6

122 9.4 12.3 18.5#

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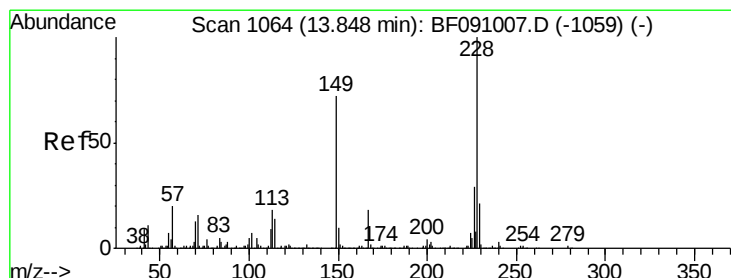
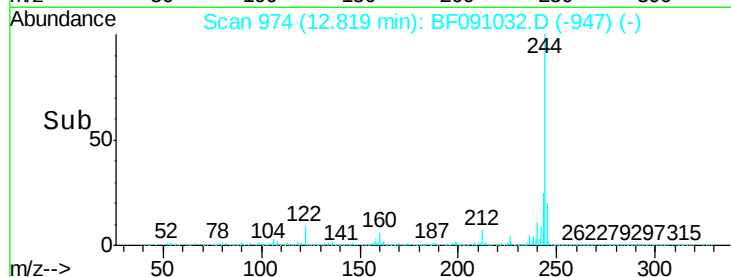
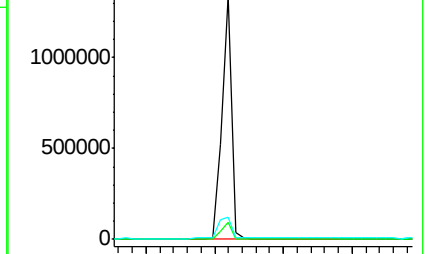
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 7.79 ng

RT: 13.85 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF091032.D

Acq: 4 Nov 2016 20:40

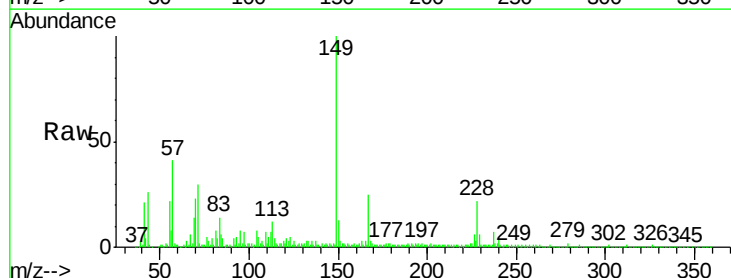
Tgt Ion:228 Resp: 142514

Ion Ratio Lower Upper

228 100

226 28.6 23.0 34.6

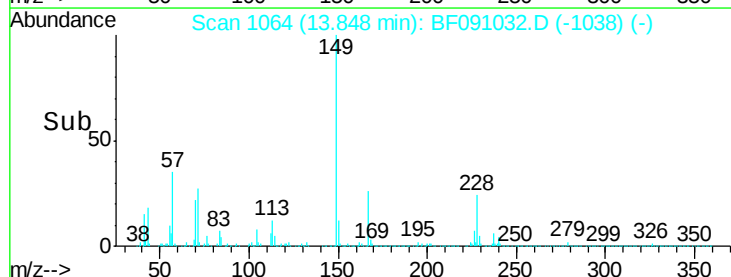
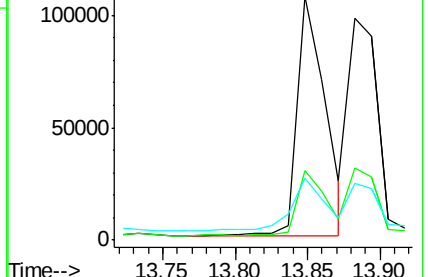
229 25.2 16.6 24.8#

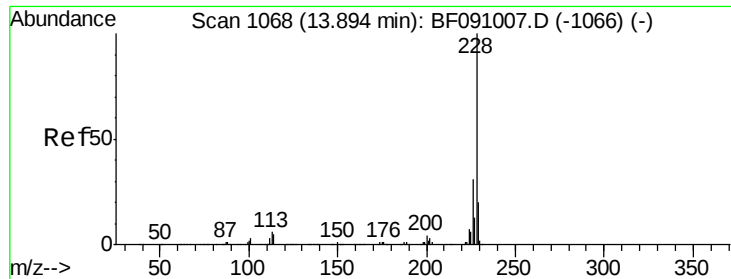


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





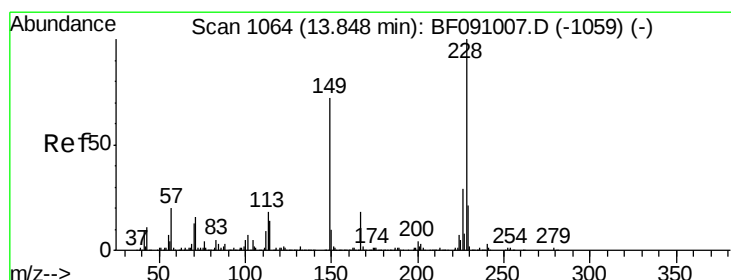
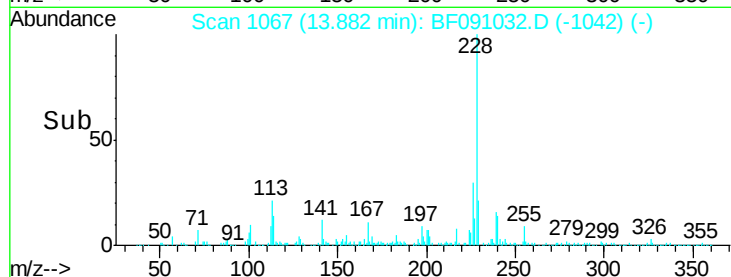
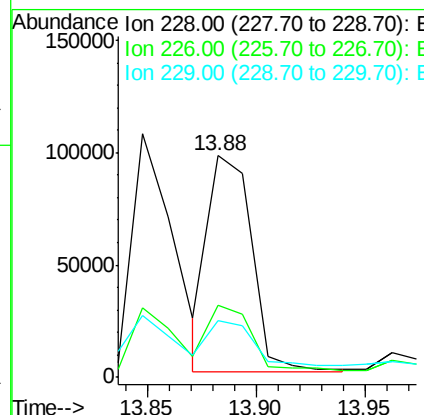
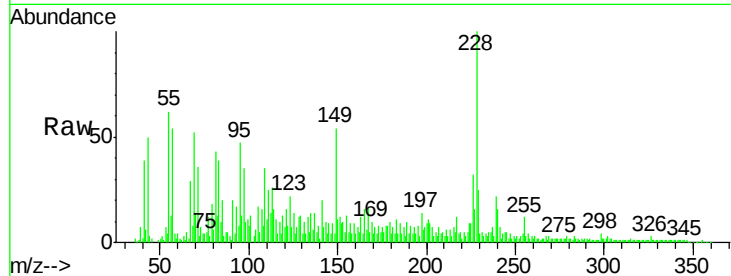
#82
Chrysene
Concen: 7.45 ng
RT: 13.88 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BF091032.D
Acq: 4 Nov 2016 20:40

Instrument :
BNA_F
ClientSampleId :
SB-107-1.0-1.5

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	32.4	24.9	37.3
229	25.4	15.9	23.9#

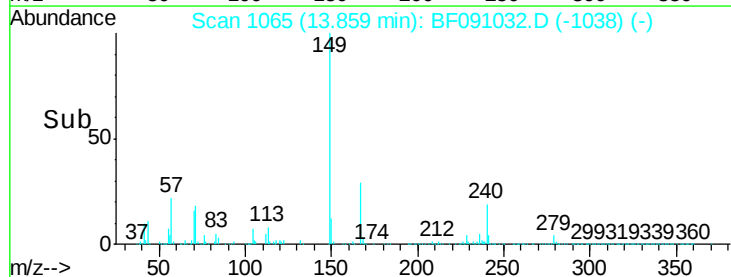
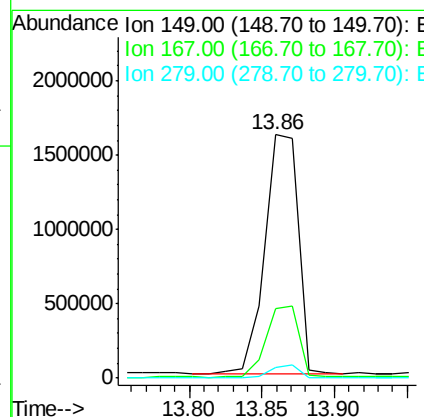
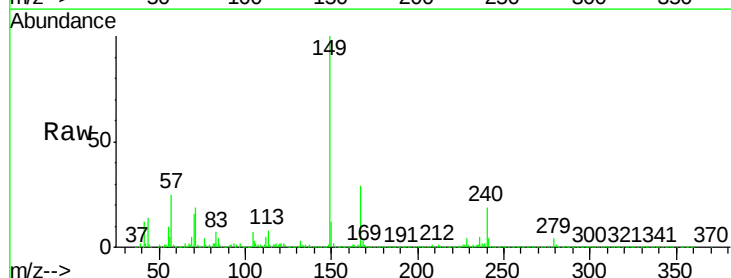
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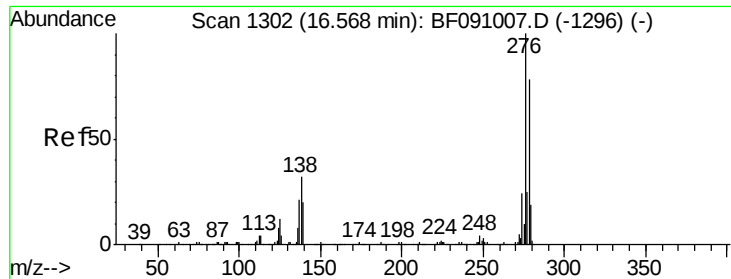
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#83
Bis(2-ethylhexyl)phthalate
Concen: 189.18 ng
RT: 13.86 min Scan# 1065
Delta R.T. 0.01 min
Lab File: BF091032.D
Acq: 4 Nov 2016 20:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	28.7	20.4	30.6
279	4.1	1.6	2.4#





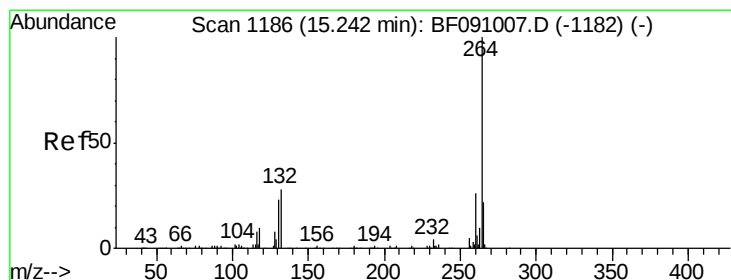
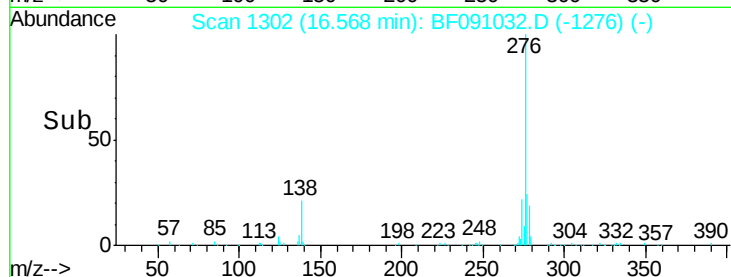
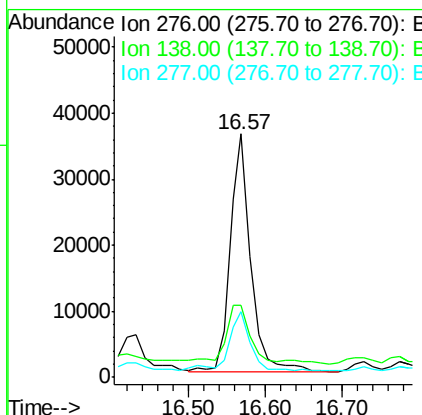
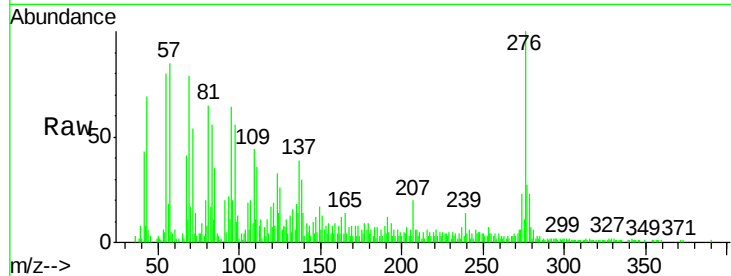
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.58 ng
 RT: 16.57 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: BF091032.D
 Acq: 4 Nov 2016 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-107-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	26.0	39.0#
277	26.0	20.1	30.1

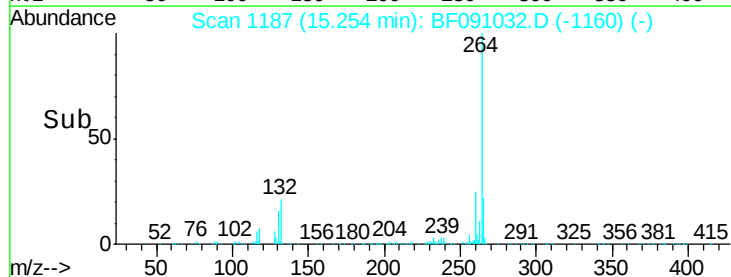
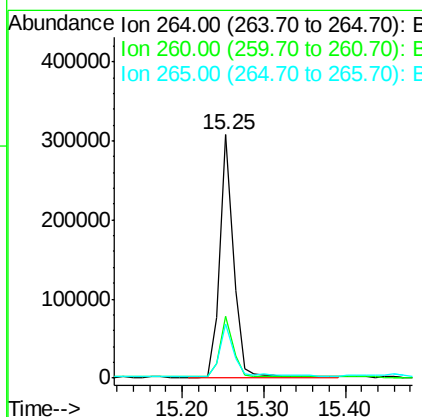
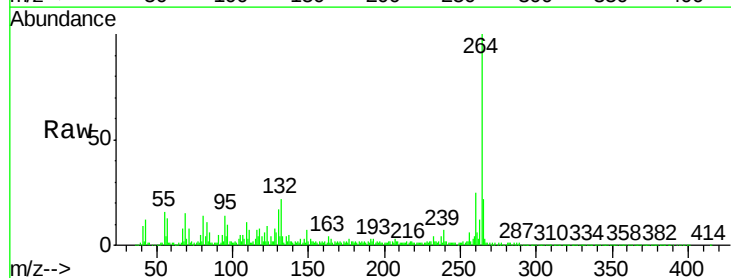
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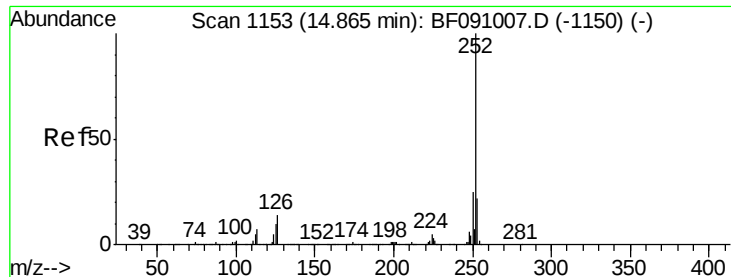
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: BF091032.D
 Acq: 4 Nov 2016 20:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.6	30.8
265	22.4	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 7.76 ng m

RT: 14.87 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BF091032.D

Acq: 4 Nov 2016 20:40

Instrument :

BNA_F

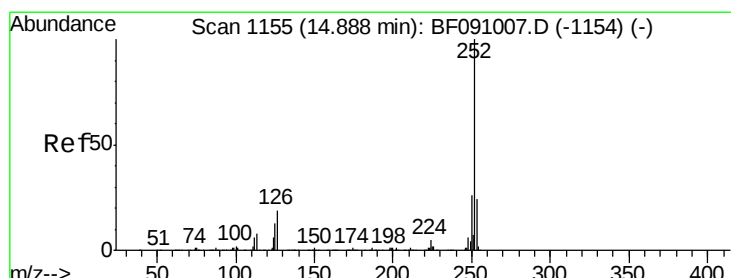
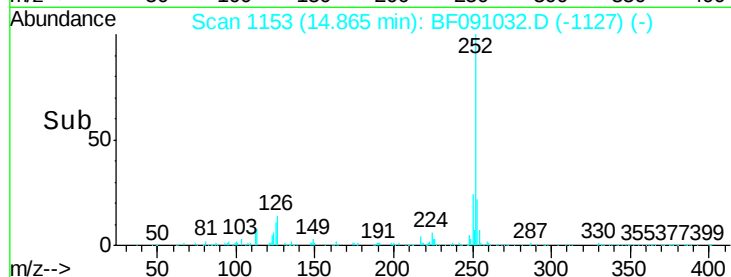
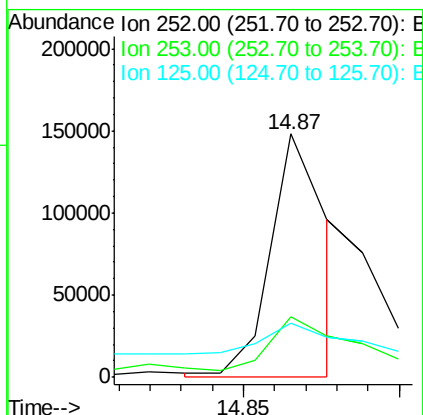
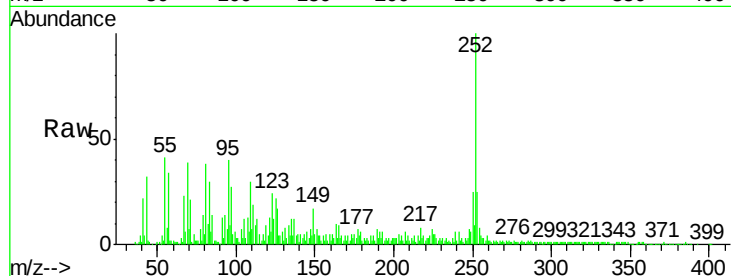
ClientSampleId :

SB-107-1.0-1.5

Tgt Ion:	252	Resp:	186344
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.0	27.0
125	22.0	8.3	12.5#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.04 ng m

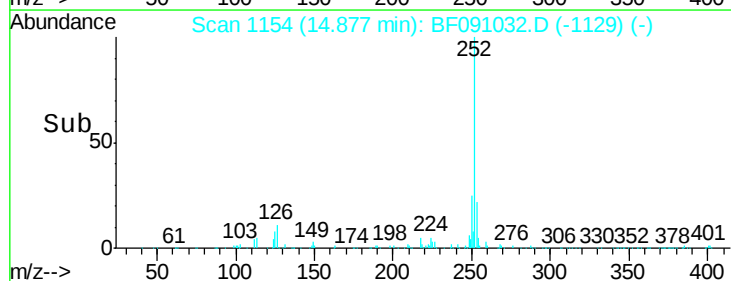
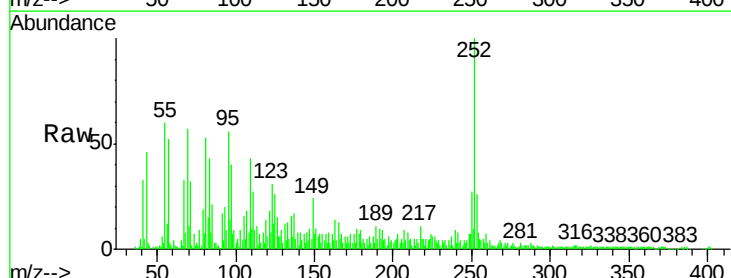
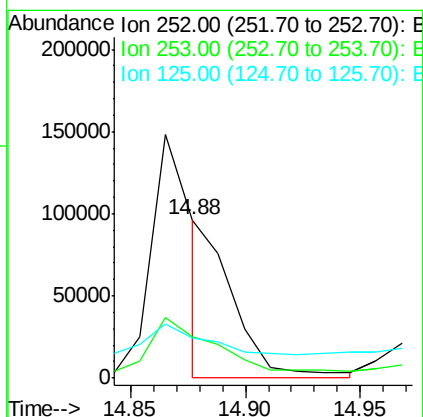
RT: 14.88 min Scan# 1154

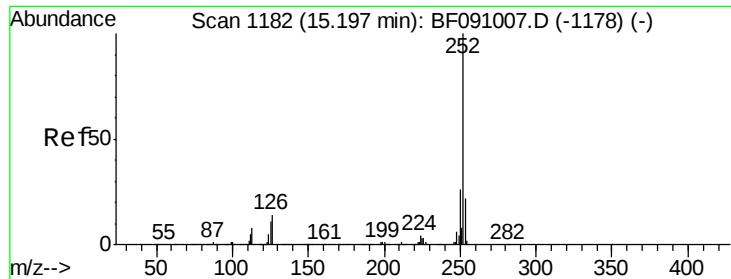
Delta R.T. -0.01 min

Lab File: BF091032.D

Acq: 4 Nov 2016 20:40

Tgt Ion:	252	Resp:	85104
Ion Ratio	Lower	Upper	
252	100		
253	26.1	18.6	28.0
125	25.8	11.2	16.8#





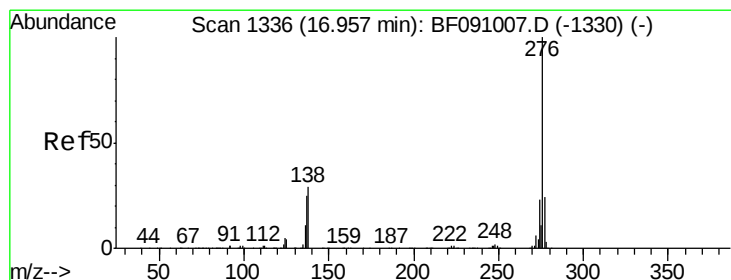
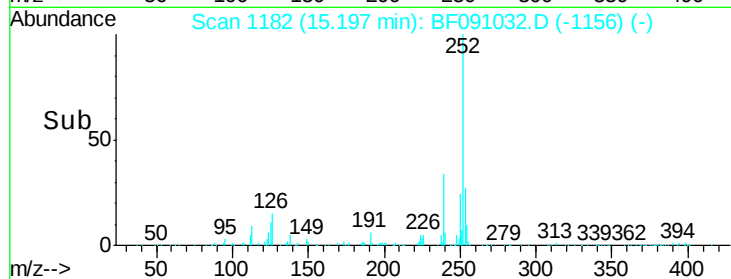
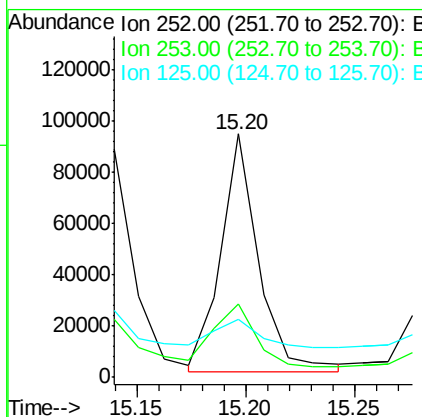
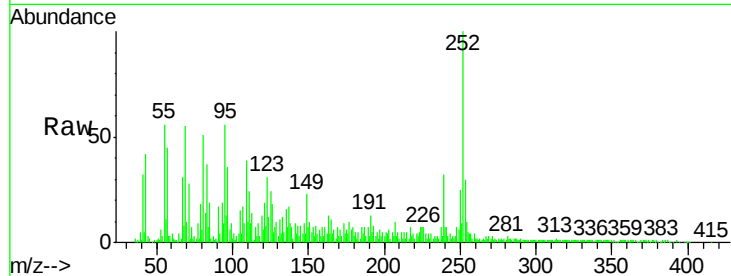
#89
Benzo(a)pyrene
Concen: 5.35 ng
RT: 15.20 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BF091032.D
Acq: 4 Nov 2016 20:40

Instrument :
BNA_F
ClientSampleId :
SB-107-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.9	17.8	26.8#
125	24.0	8.6	13.0#

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#91
Benzo(g,h,i)perylene
Concen: 3.77 ng
RT: 16.96 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF091032.D
Acq: 4 Nov 2016 20:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.2	28.8
138	35.3	23.3	34.9#

