

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
 Data File : BF091074.D
 Acq On : 7 Nov 2016 23:34
 Operator : UM/SJ
 Sample : H5509-17DL 150X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1DL

Manual Integrations
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Quant Time: Nov 08 01:27:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 00:06:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	112951	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	423894	20.00	ng	0.00
38) Acenaphthene-d10	9.71	164	210975	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	332844	20.00	ng	0.00
75) Chrysene-d12	13.83	240	353359	20.00	ng	0.00
86) Perylene-d12	15.21	264	322014	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	3761	0.55	ng	0.03
7) Phenol-d6	6.35	99	6329	0.68	ng	0.02
23) Nitrobenzene-d5	7.25	82	788	0.10	ng	0.01
41) 2,4,6-Tribromophenol	10.51	330	833	0.44	ng	0.00
44) 2-Fluorobiphenyl	9.04	172	7765	0.63	ng	-0.01
78) Terphenyl-d14	12.77	244	15843	1.12	ng	-0.01
Target Compounds						Qvalue
54) Dibenzofuran	9.92	168	32714	2.12	ng	94
57) Fluorene	10.26	166	38961	3.09	ng	99
70) Phenanthrene	11.22	178	350893	19.83	ng	97
71) Anthracene	11.26	178	76665	4.08	ng	96
74) Fluoranthene	12.41	202	434608	23.68	ng	87
77) Pyrene	12.62	202	345181	14.92	ng	97
80) Benzo(a)anthracene	13.81	228	202635	10.10	ng	99
82) Chrysene	13.85	228	143022m	7.23	ng	
85) Indeno(1,2,3-cd)pyrene	16.51	276	59891	3.65	ng	95
87) Benzo(b)fluoranthene	14.83	252	204518m	9.36	ng	
88) Benzo(k)fluoranthene	14.85	252	66961m	3.50	ng	
89) Benzo(a)pyrene	15.15	252	115658	6.08	ng	# 93
91) Benzo(a,h,i)perylene	16.89	276	49239	3.31	ng	93

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

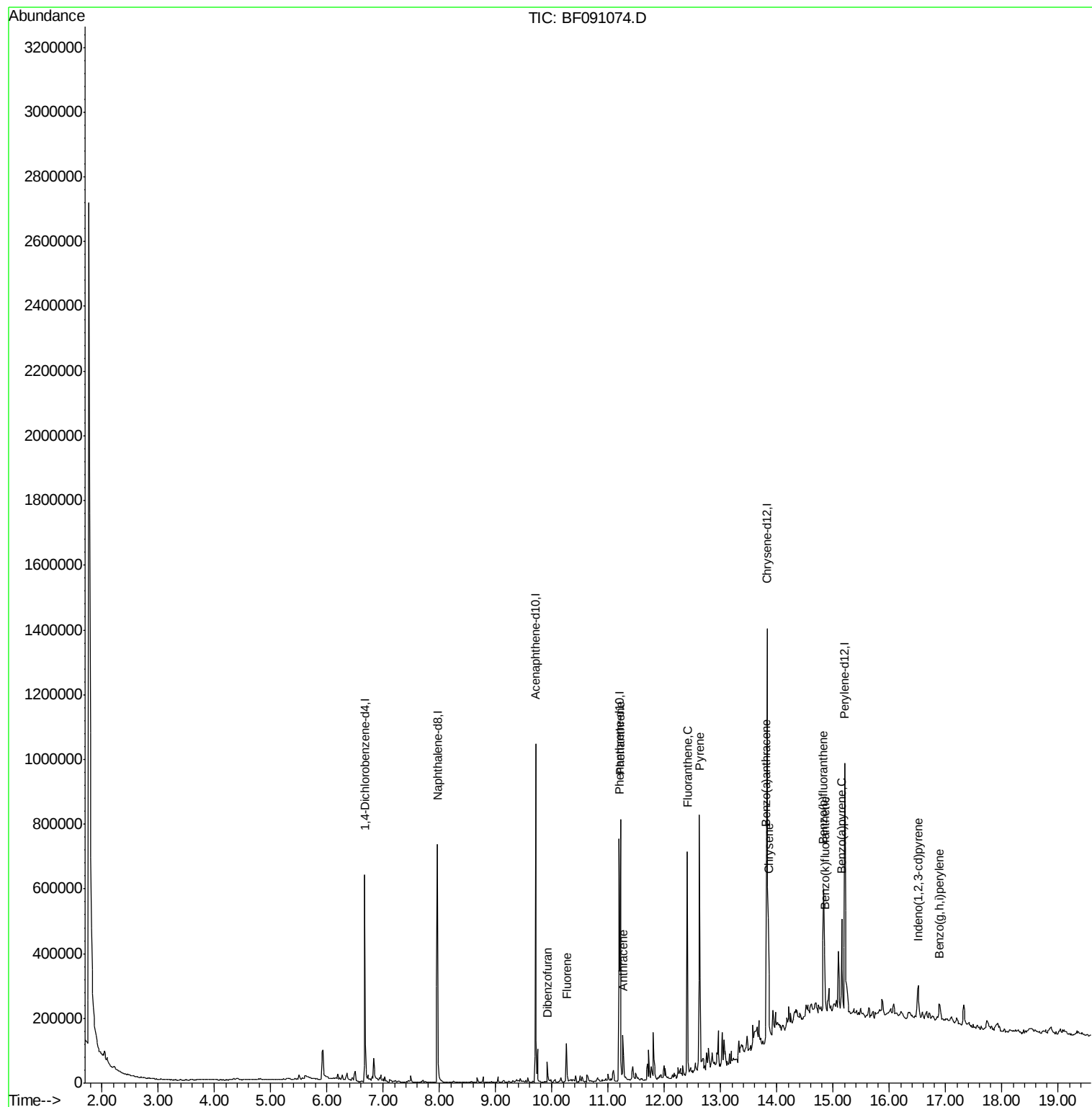
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
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Misc :
ALS Vial : 26 Sample Multiplier: 1

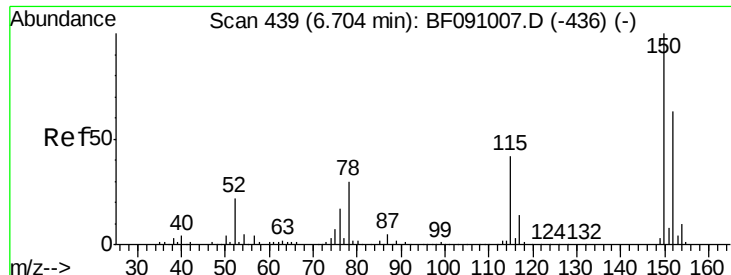
Instrument :
BNA_F
ClientSampleId :
S-1DL

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Quant Time: Nov 08 01:27:36 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

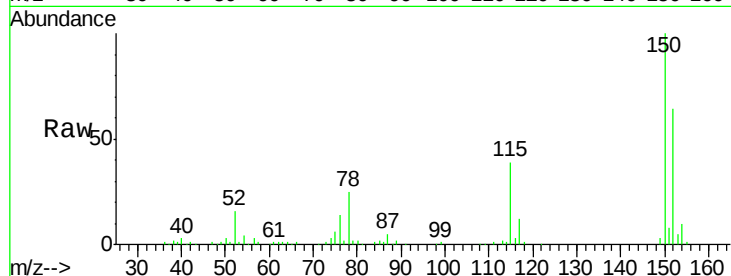
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF091074.D
Acq: 7 Nov 2016 23:34

Instrument :
BNA_F
ClientSampled :
S-1DL

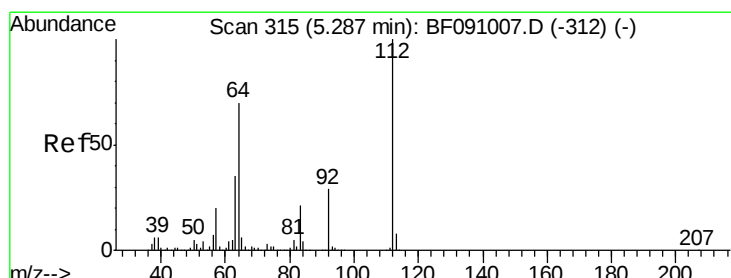
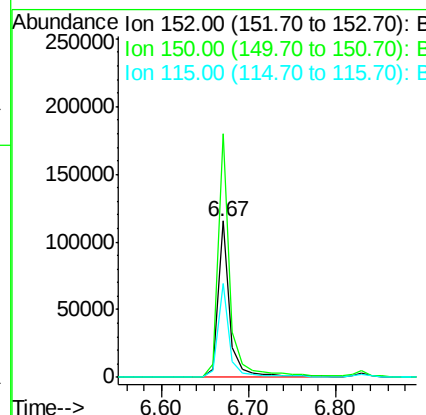
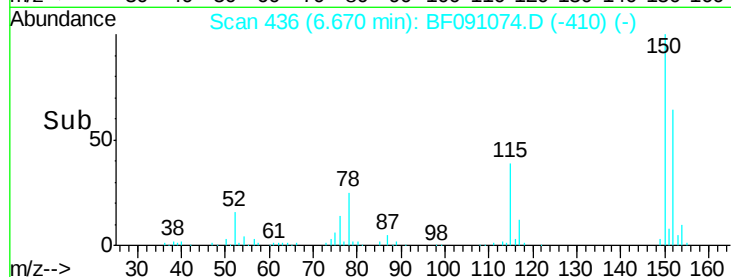
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.8	190.2
115	60.1	53.3	79.9

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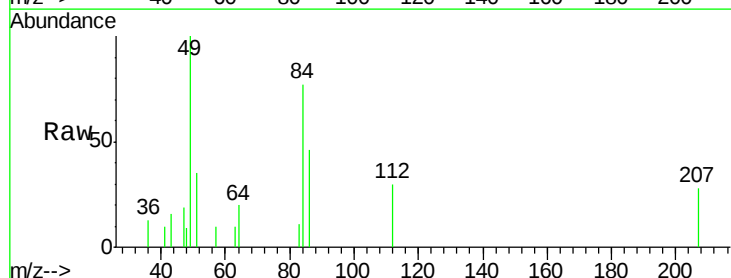
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



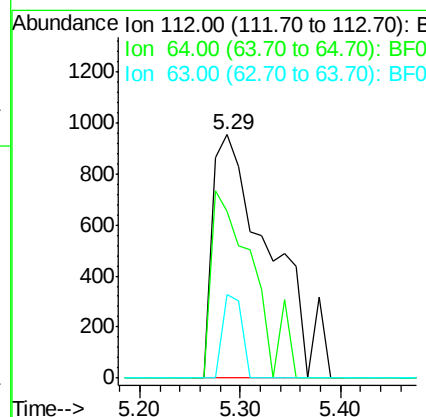
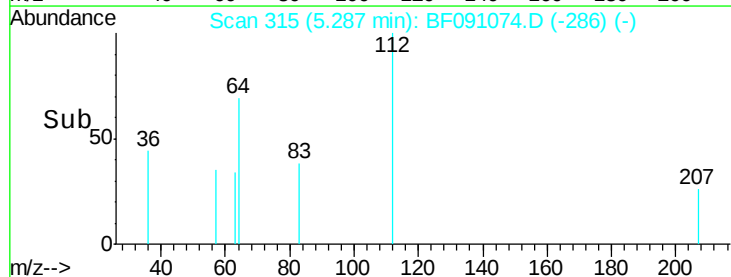
#5

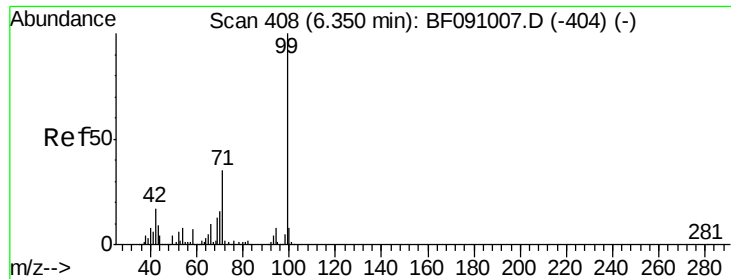
2-Fluorophenol
Concen: 0.55 ng
RT: 5.29 min Scan# 315
Delta R.T. 0.03 min
Lab File: BF091074.D
Acq: 7 Nov 2016 23:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	55.8	83.6
63	34.5	28.0	42.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.68 ng

RT: 6.35 min Scan# 408

Delta R.T. 0.02 min

Lab File: BF091074.D

Acq: 7 Nov 2016 23:34

Instrument :

BNA_F

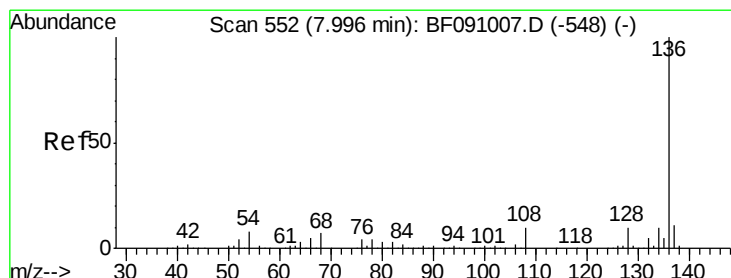
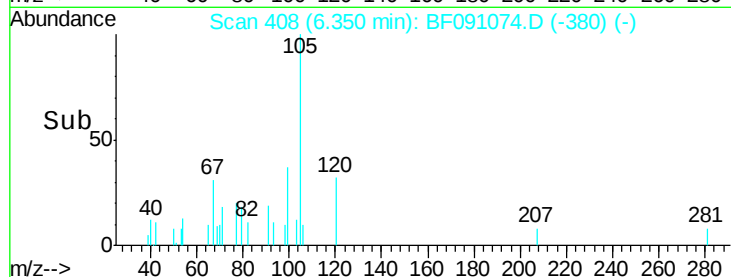
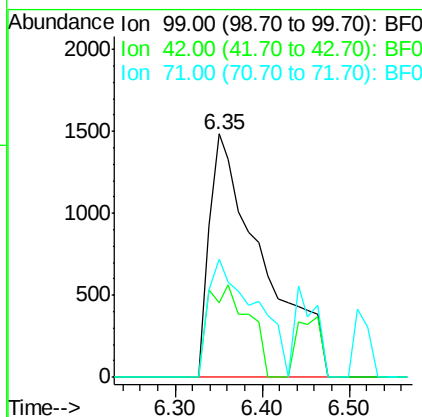
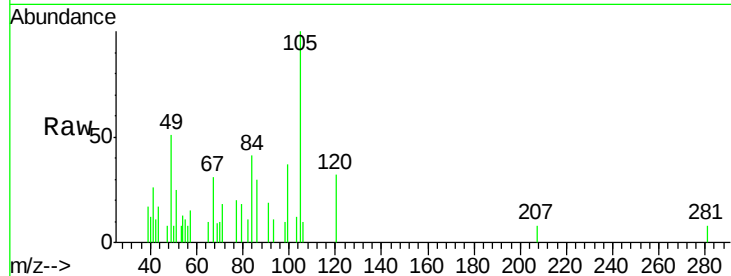
ClientSampleId :

S-1DL

Tot Ion:	99	Resp:	6329
Ion Ratio	Lower	Upper	
99	100		
42	30.7	13.9	20.9#
71	48.6	27.8	41.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

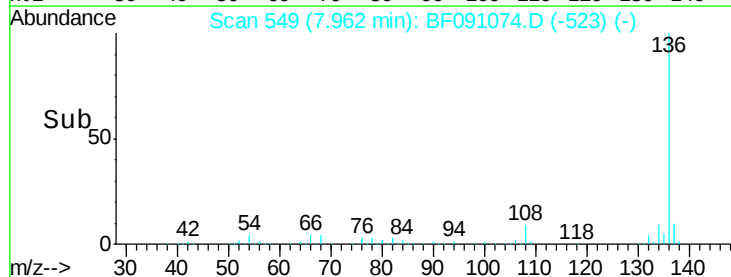
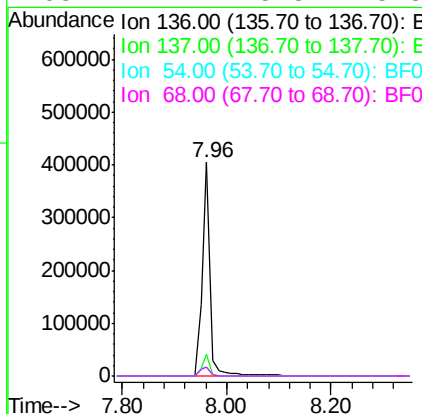
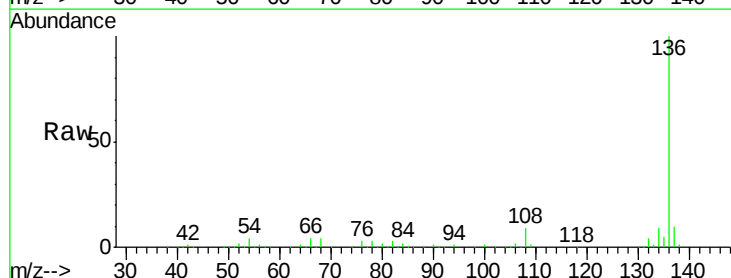
RT: 7.96 min Scan# 549

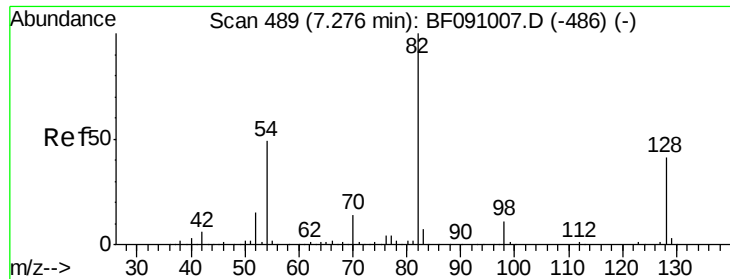
Delta R.T. 0.00 min

Lab File: BF091074.D

Acq: 7 Nov 2016 23:34

Tgt Ion:	136	Resp:	423894
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	4.5	6.2	9.2#
68	4.4	5.5	8.3#





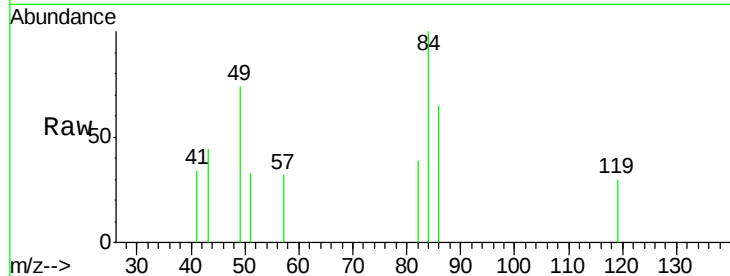
#23
 Nitrobenzene-d5
 Concen: 0.10 ng
 RT: 7.25 min Scan# 487
 Delta R.T. 0.01 min
 Lab File: BF091074.D
 Acq: 7 Nov 2016 23:34

Instrument :
 BNA_F
 ClientSampled :
 S-1DL

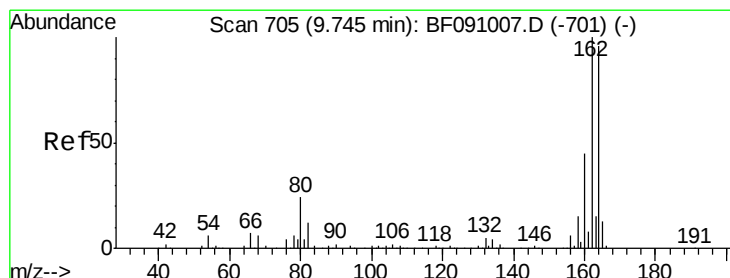
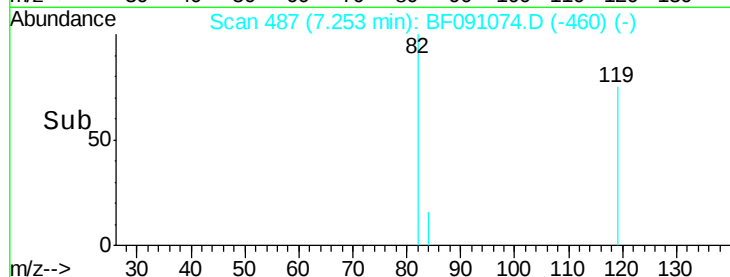
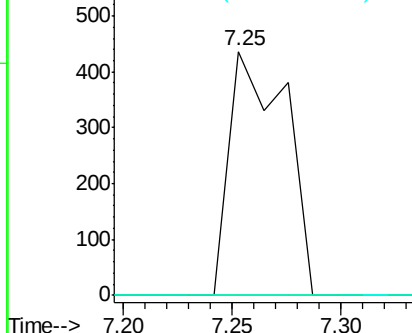
Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	32.4	48.6#
54	0.0	39.2	58.8#

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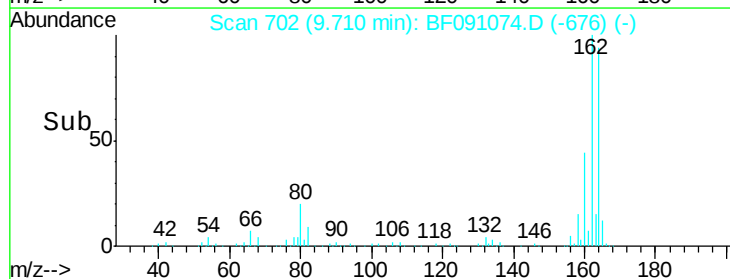
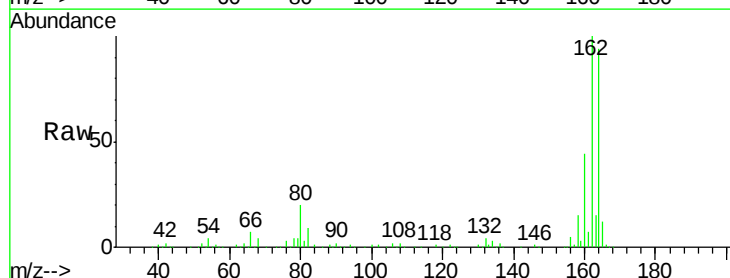
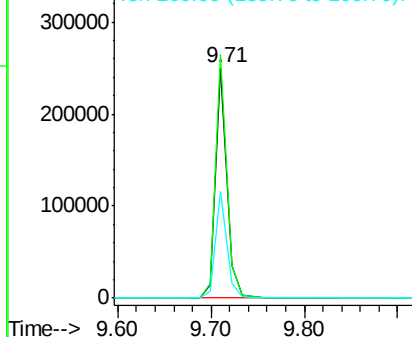
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

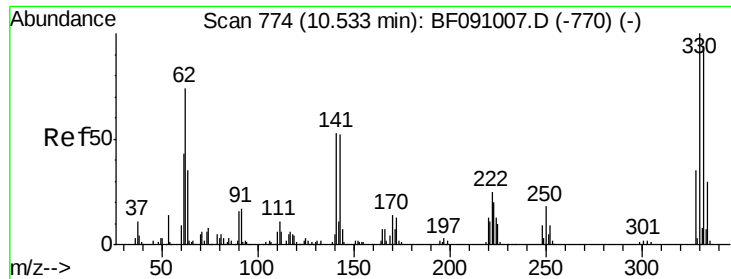


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: BF091074.D
 Acq: 7 Nov 2016 23:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	83.6	125.4
160	46.4	37.9	56.9

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





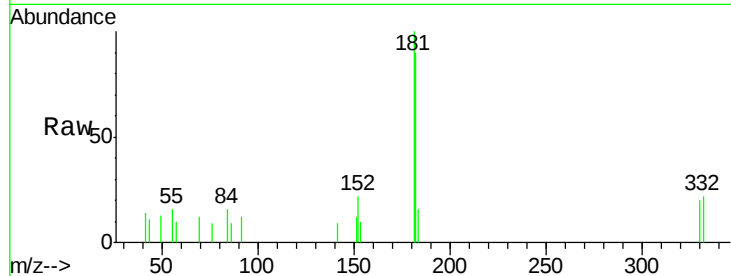
#41
 2,4,6-Tribromophenol
 Concen: 0.44 ng
 RT: 10.51 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: BF091074.D
 Acq: 7 Nov 2016 23:34

Instrument :
 BNA_F
 ClientSampled :
 S-1DL

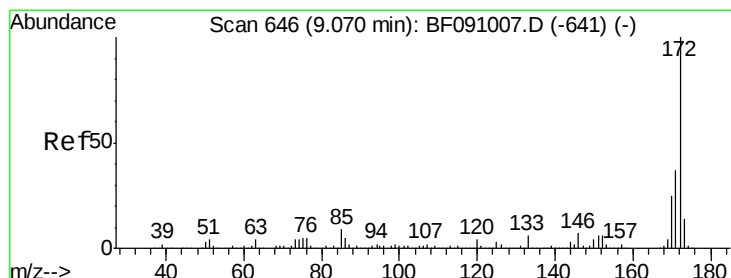
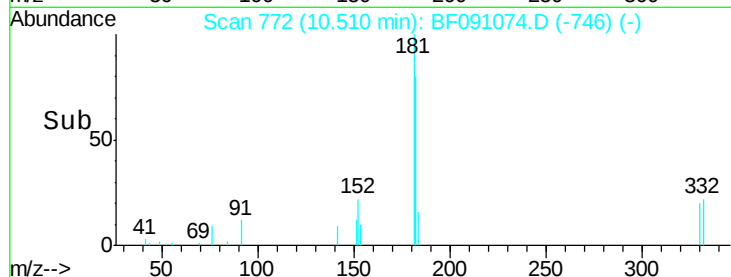
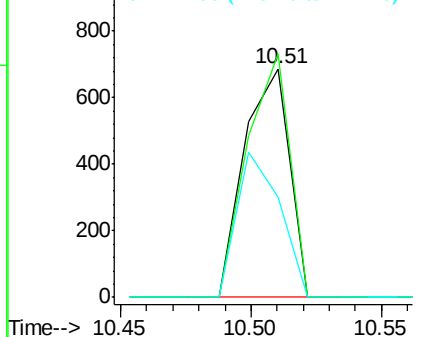
Tot Ion	Ratio	Lower	Upper
330	100		
332	100.4	75.9	113.9
141	60.7	36.1	54.1

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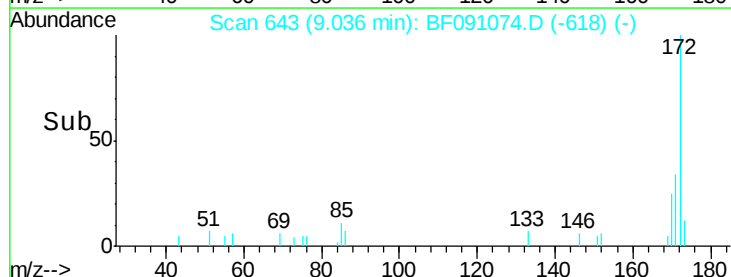
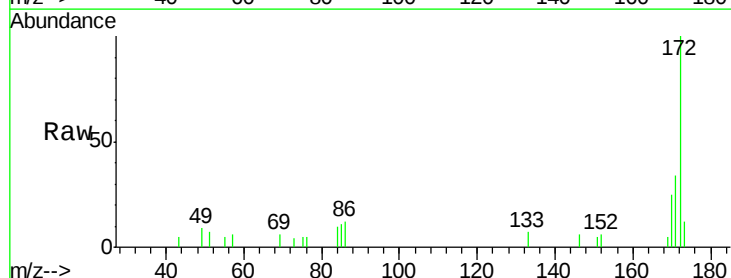
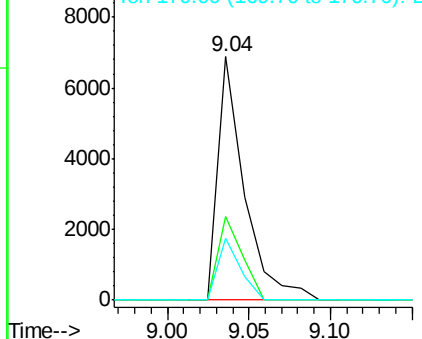
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

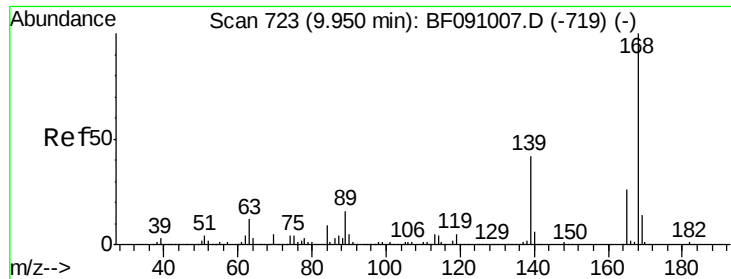


#44
 2-Fluorobiphenyl
 Concen: 0.63 ng
 RT: 9.04 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: BF091074.D
 Acq: 7 Nov 2016 23:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.8	44.6
170	25.4	20.3	30.5

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





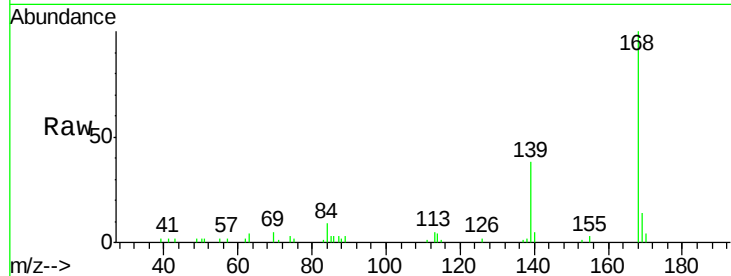
#54
Dibenzenofuran
Concen: 2.12 ng
RT: 9.92 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF091074.D
Acq: 7 Nov 2016 23:34

Instrument :
BNA_F
ClientSampled :
S-1DL

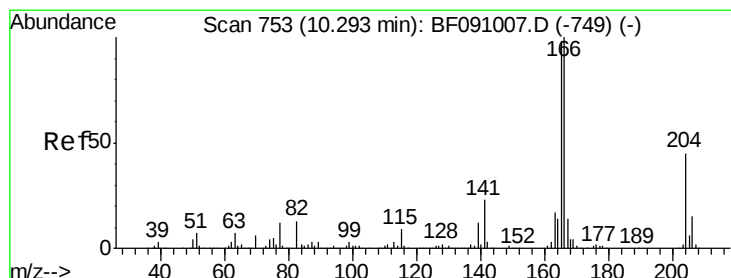
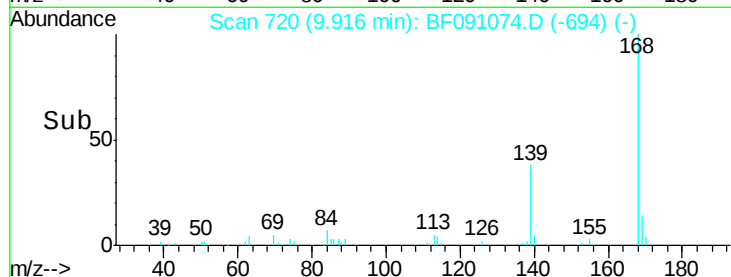
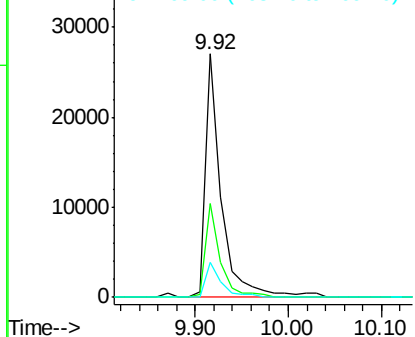
Tot Ion	Ratio	Lower	Upper
168	100		
139	38.4	34.8	52.2
169	14.4	11.4	17.2

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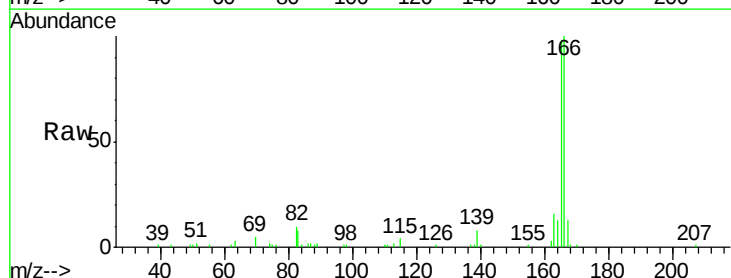


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

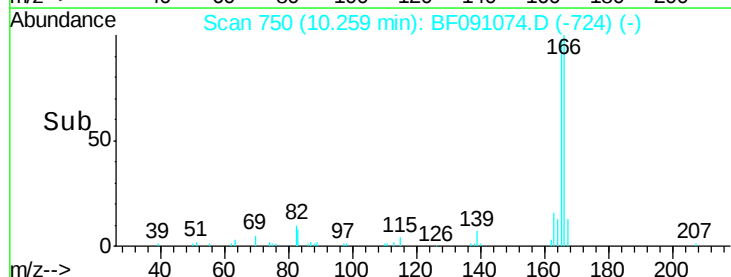
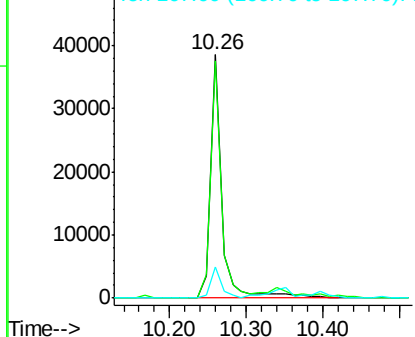


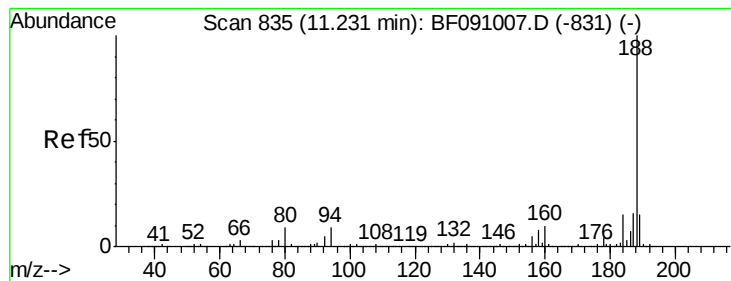
#57
Fluorene
Concen: 3.09 ng
RT: 10.26 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF091074.D
Acq: 7 Nov 2016 23:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.6	118.0
167	12.8	11.1	16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF091074.D

Acq: 7 Nov 2016 23:34

Instrument :

BNA_F

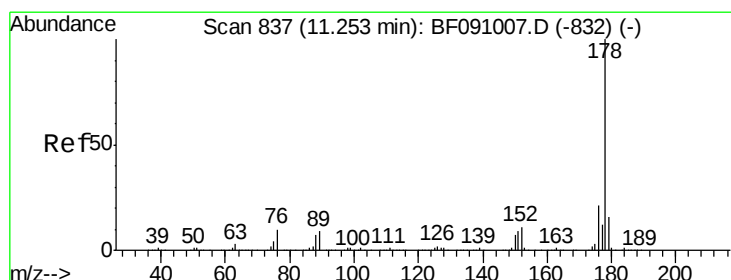
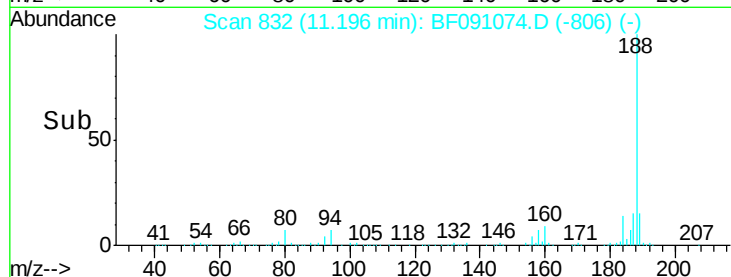
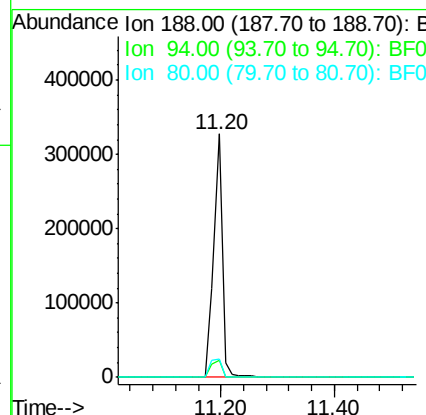
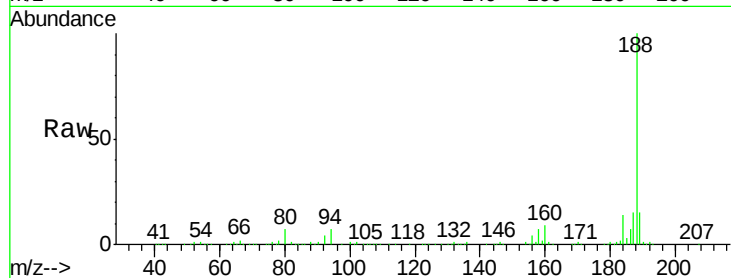
ClientSampleId :

S-1DL

Tot Ion:	188	Resp:	332844
Ion Ratio	Lower	Upper	
188	100		
94	7.1	7.0	10.4
80	7.4	7.5	11.3#

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#70

Phenanthrene

Concen: 19.83 ng

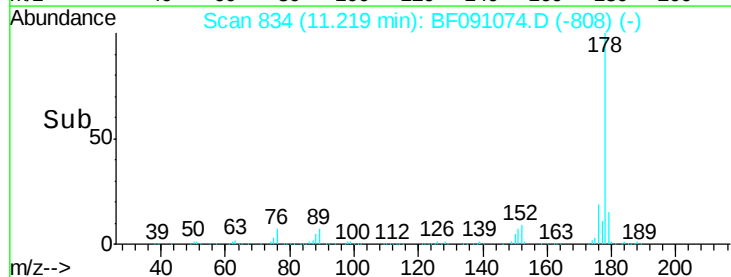
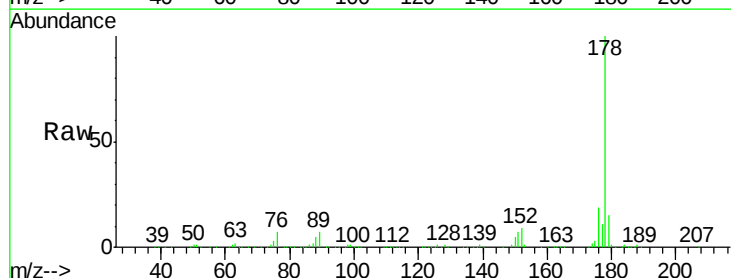
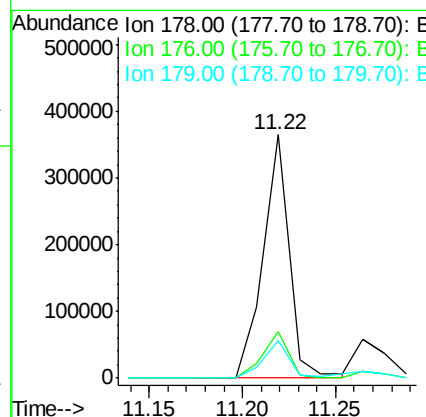
RT: 11.22 min Scan# 834

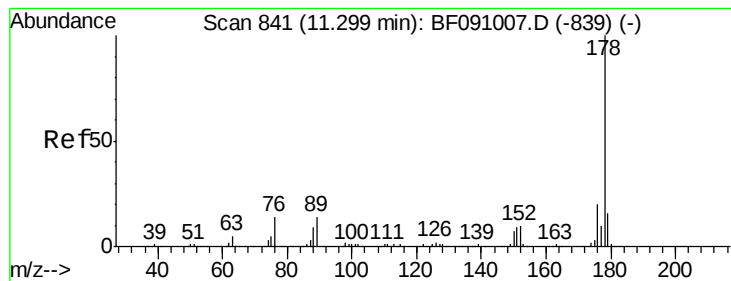
Delta R.T. 0.00 min

Lab File: BF091074.D

Acq: 7 Nov 2016 23:34

Tgt Ion:	178	Resp:	350893
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.6	25.0
179	15.3	12.9	19.3





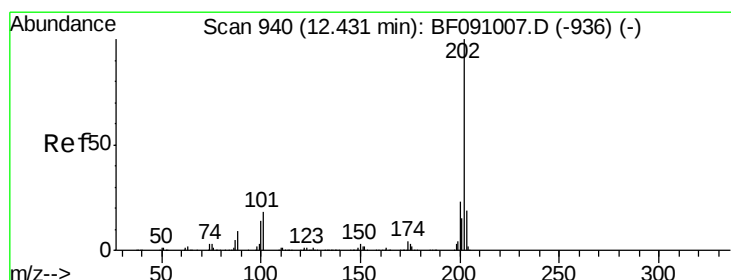
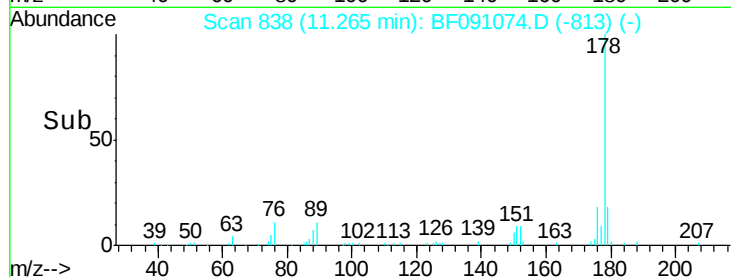
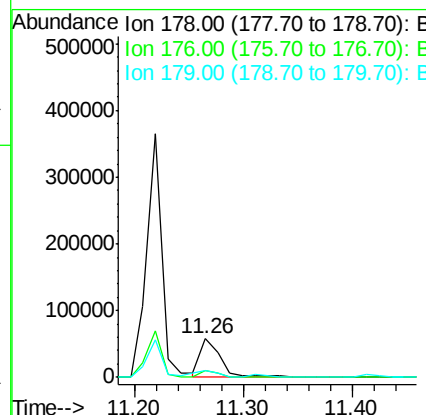
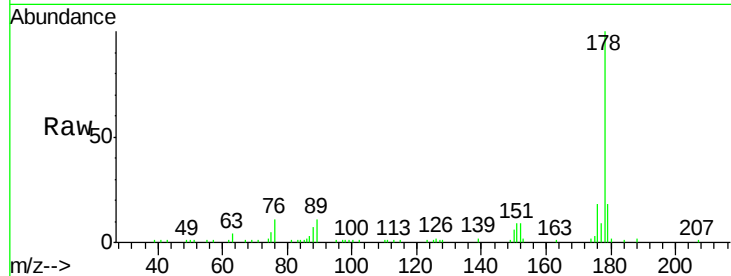
#71
 Anthracene
 Concen: 4.08 ng
 RT: 11.26 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF091074.D
 Acq: 7 Nov 2016 23:34

Instrument :
 BNA_F
 ClientSampled :
 S-1DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	16.0	24.0
179	17.7	13.0	19.6

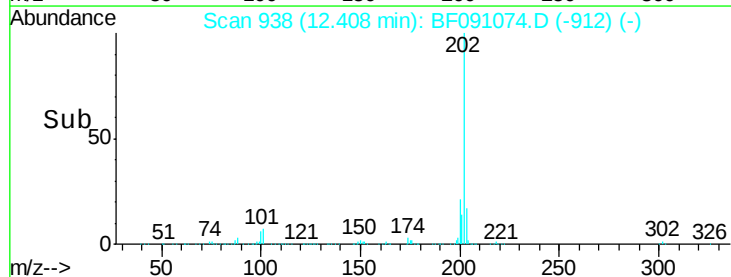
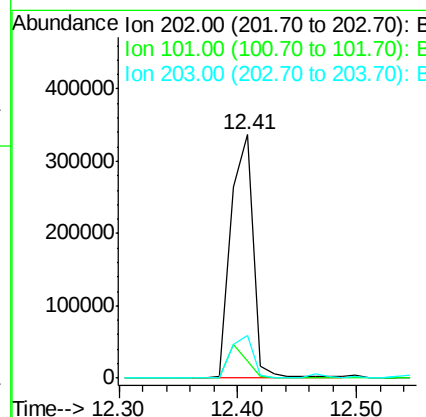
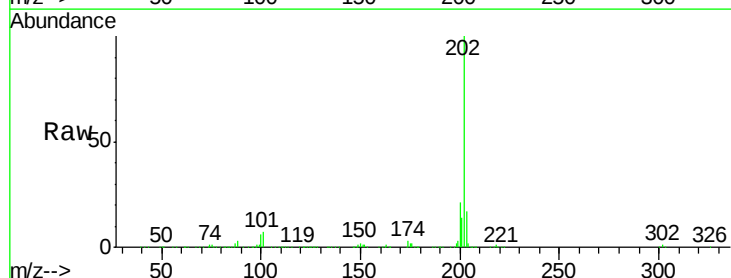
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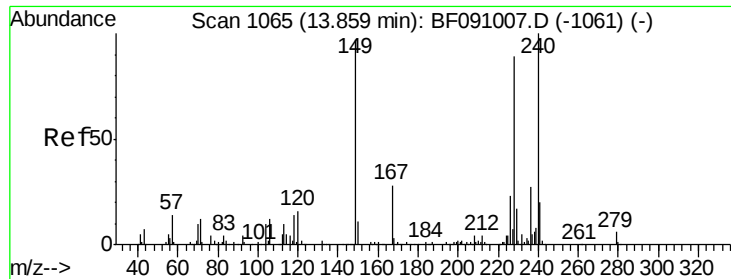
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#74
 Fluoranthene
 Concen: 23.68 ng
 RT: 12.41 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF091074.D
 Acq: 7 Nov 2016 23:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	37.6
203	17.3	0.0	38.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BF091074.D

Acq: 7 Nov 2016 23:34

Instrument :

BNA_F

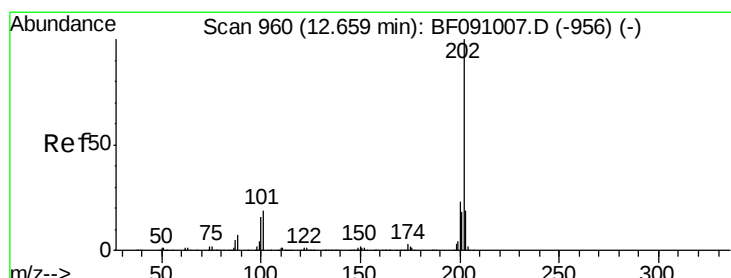
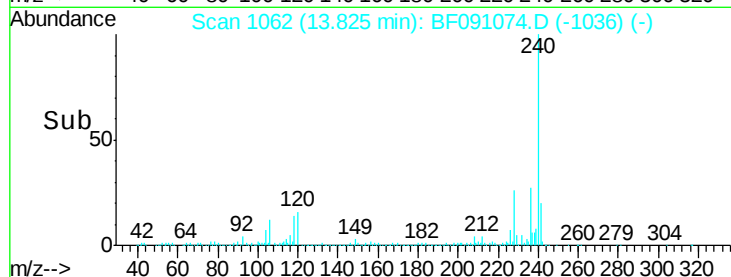
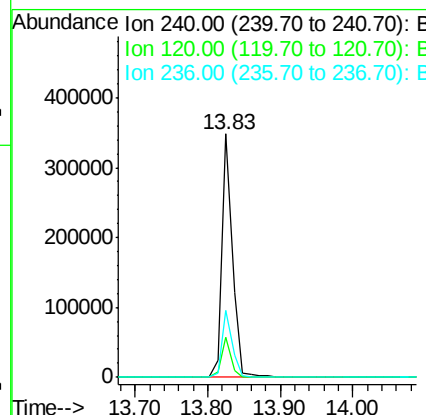
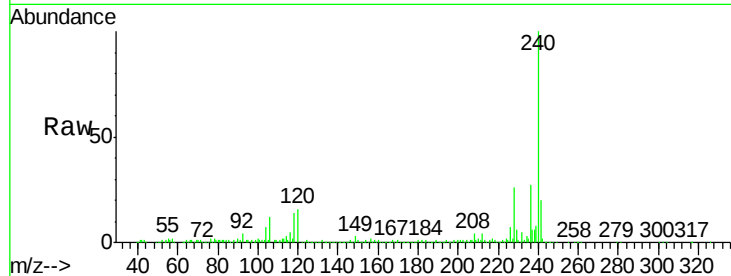
ClientSampleId :

S-1DL

Tot Ion:	240	Resp:	353359
Ion Ratio	Lower	Upper	
240	100		
120	16.3	12.9	19.3
236	27.4	21.9	32.9

Manual Integrations
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#77

Pyrene

Concen: 14.92 ng

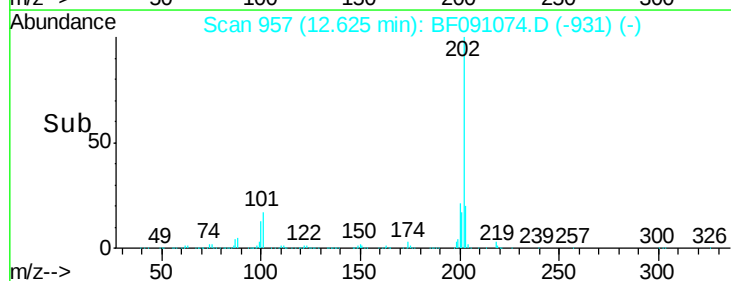
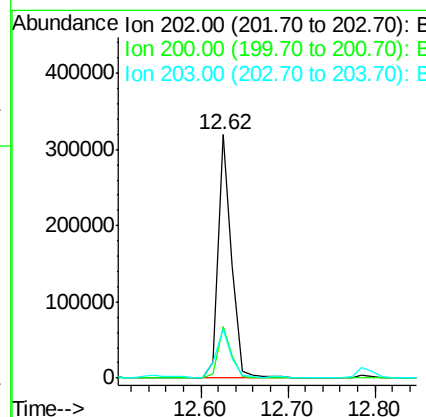
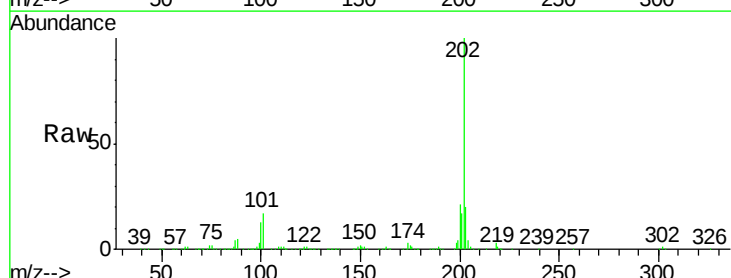
RT: 12.62 min Scan# 957

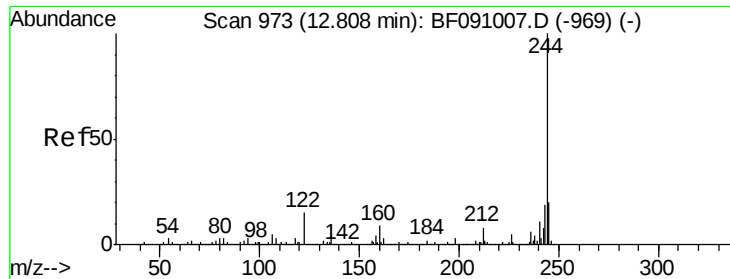
Delta R.T. 0.00 min

Lab File: BF091074.D

Acq: 7 Nov 2016 23:34

Tgt Ion:	202	Resp:	345181
Ion Ratio	Lower	Upper	
202	100		
200	21.4	18.4	27.6
203	20.0	15.0	22.6





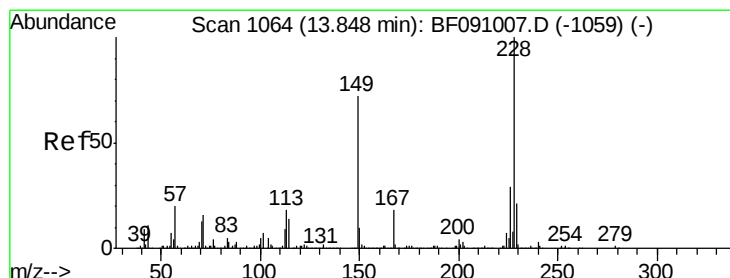
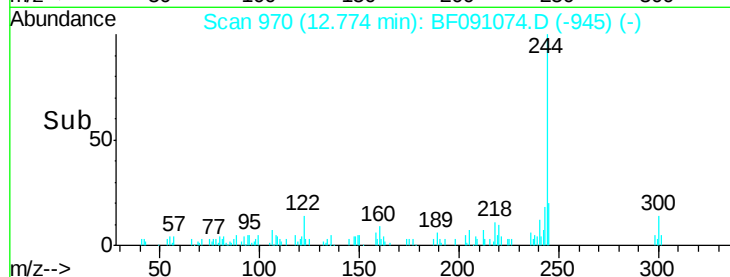
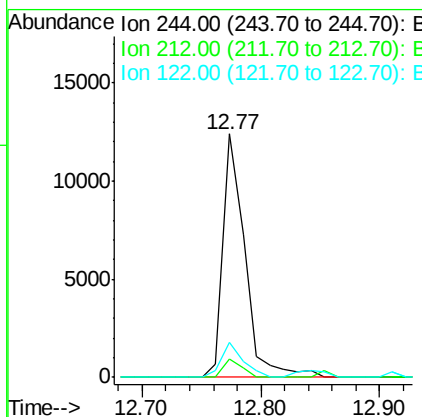
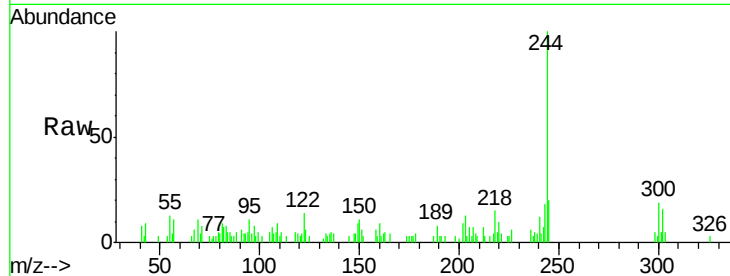
#78
 Terphenyl-d14
 Concen: 1.12 ng
 RT: 12.77 min Scan# 970
 Delta R.T. -0.01 min
 Lab File: BF091074.D
 Acq: 7 Nov 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 S-1DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.4	9.6
122	14.2	12.3	18.5

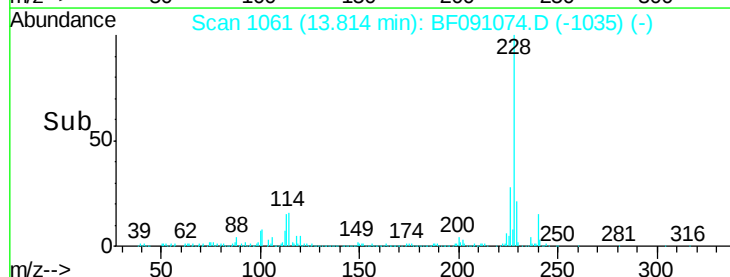
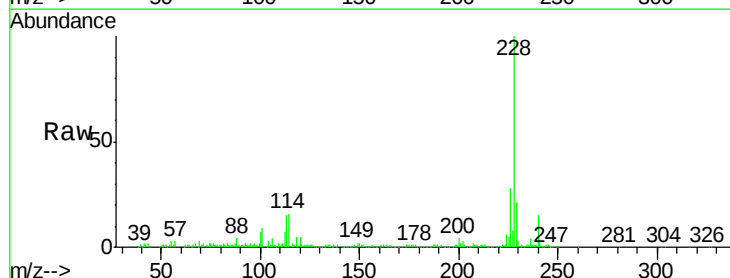
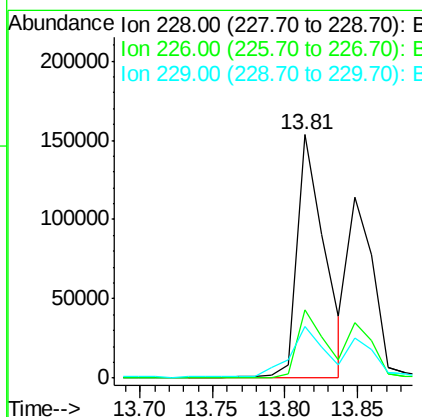
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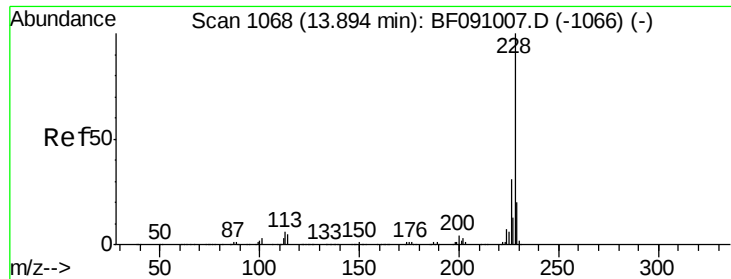
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#80
 Benzo(a)anthracene
 Concen: 10.10 ng
 RT: 13.81 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BF091074.D
 Acq: 7 Nov 2016 23:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	23.0	34.6
229	21.1	16.6	24.8





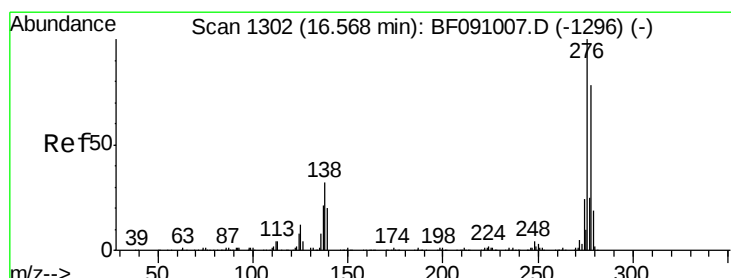
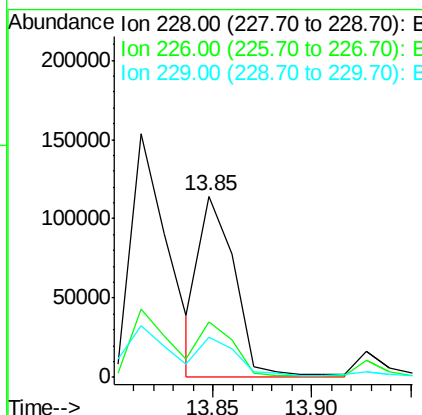
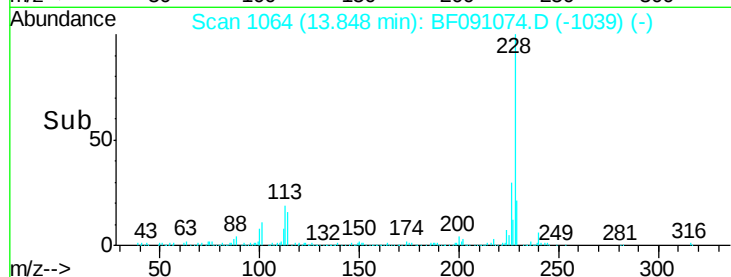
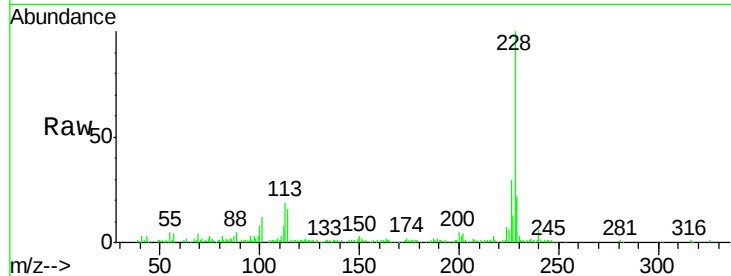
#82
Chrysene
Concen: 7.23 ng/mL
RT: 13.85 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF091074.D
Acq: 7 Nov 2016 23:34

Instrument :
BNA_F
ClientSampled :
S-1DL

Tot Ion:	228	Resp:	143022
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	21.9	15.9	23.9

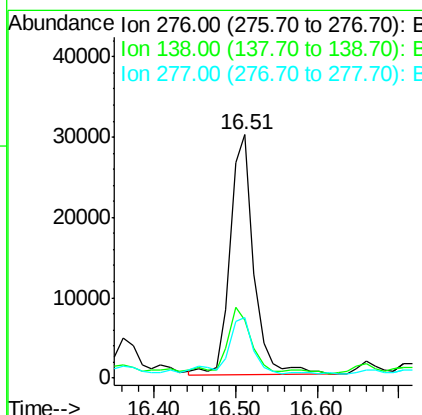
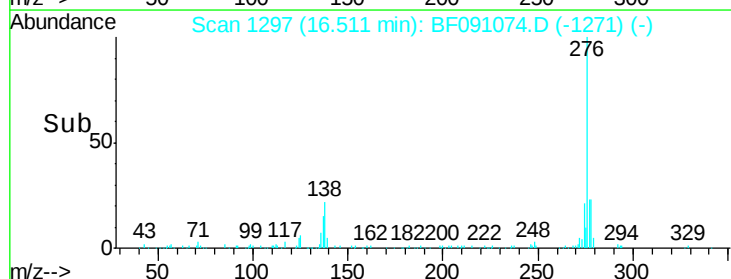
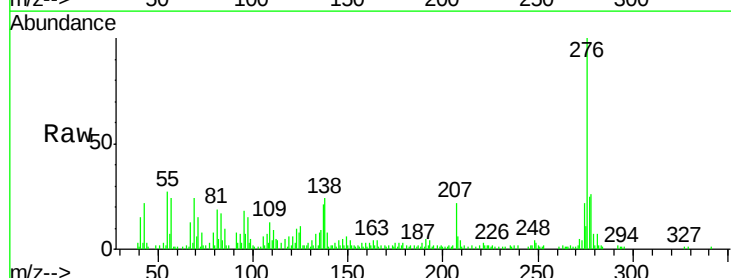
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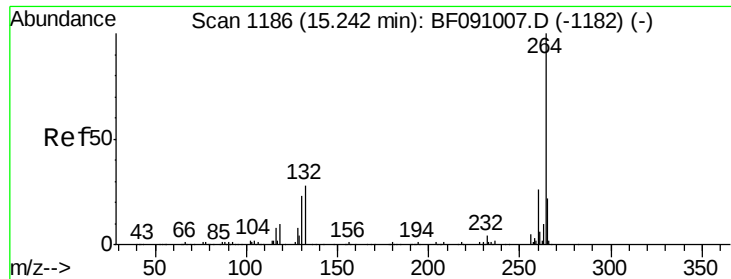
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.65 ng/mL
RT: 16.51 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BF091074.D
Acq: 7 Nov 2016 23:34

Tgt Ion:	276	Resp:	59891
Ion	Ratio	Lower	Upper
276	100		
138	27.5	26.0	39.0
277	25.5	20.1	30.1





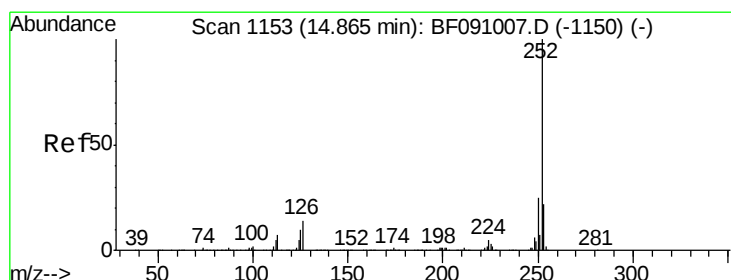
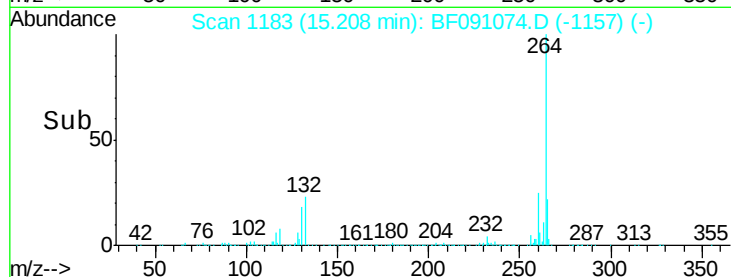
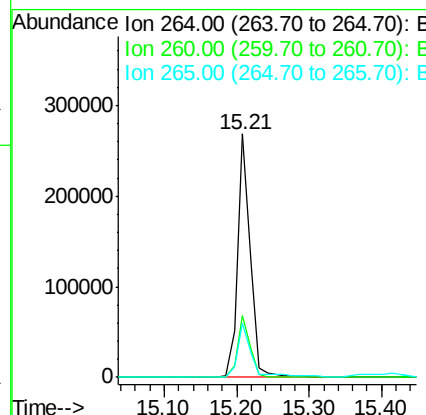
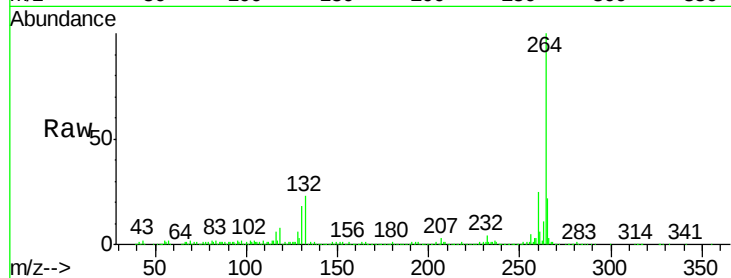
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF091074.D
Acq: 7 Nov 2016 23:34

Instrument :
BNA_F
ClientSampleId :
S-1DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.6	30.8
265	22.5	17.8	26.8

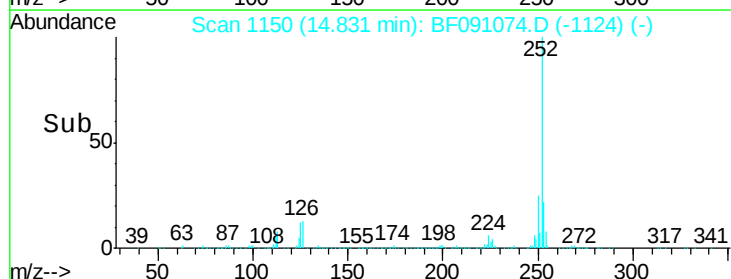
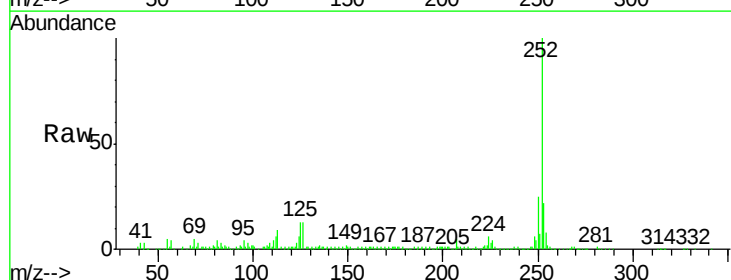
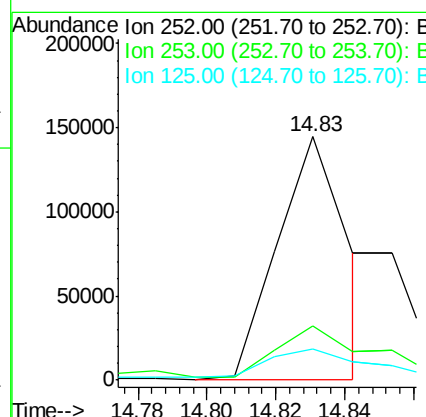
Manual Integrations
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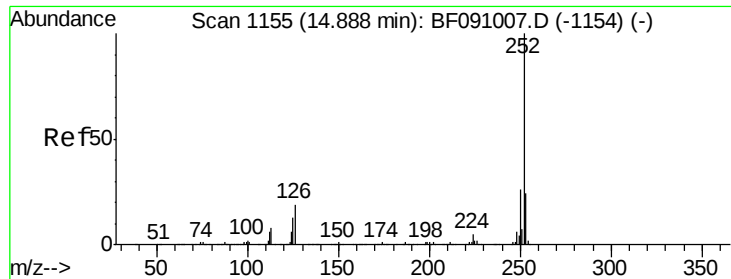
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#87
Benzo(b)fluoranthene
Concen: 9.36 ng m
RT: 14.83 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF091074.D
Acq: 7 Nov 2016 23:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	12.8	8.3	12.5#





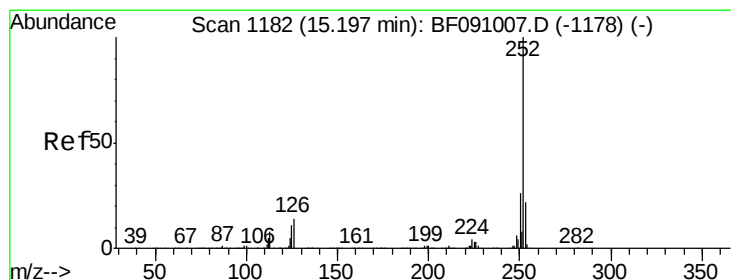
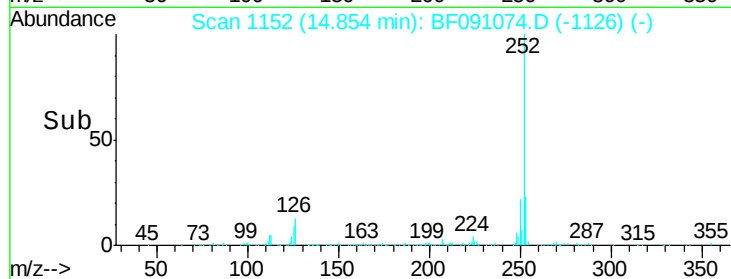
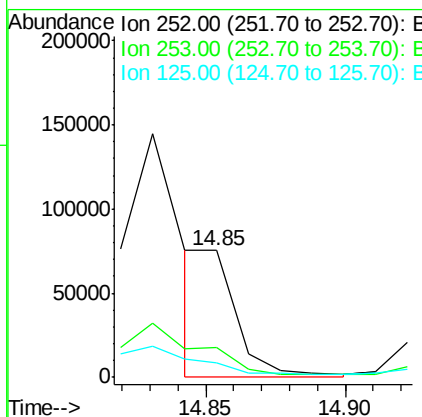
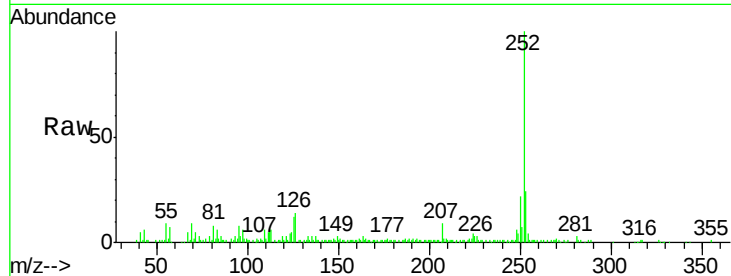
#88
Benzo(k)fluoranthene
Concen: 3.50 ng m
RT: 14.85 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF091074.D
Acq: 7 Nov 2016 23:34

Instrument :
BNA_F
ClientSampled :
S-1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.6	28.0
125	11.7	11.2	16.8

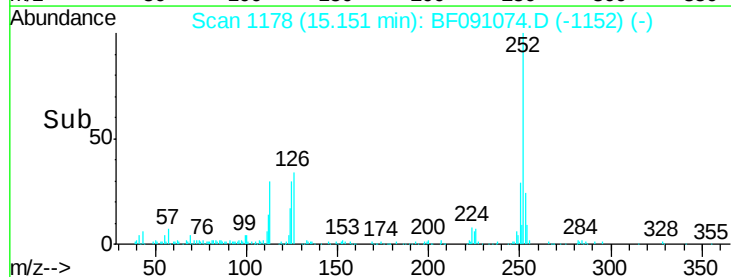
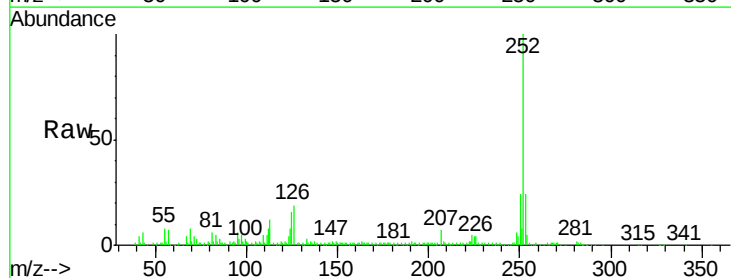
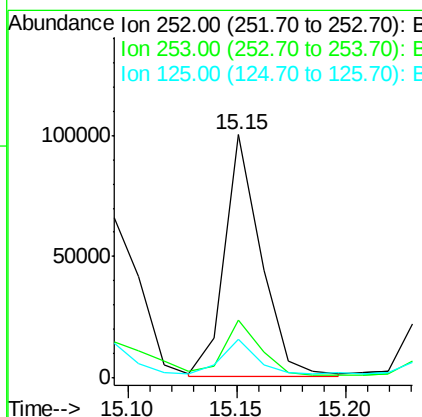
Manual Integrations
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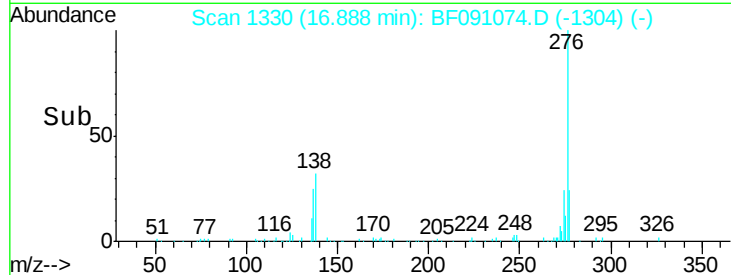
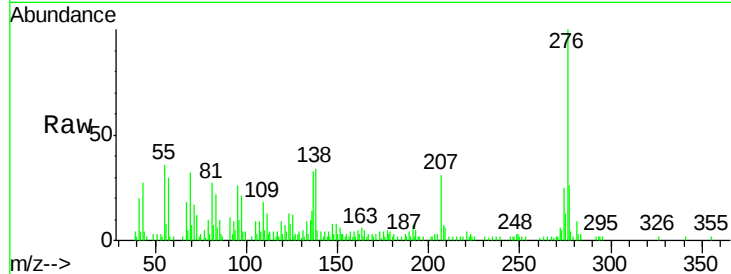
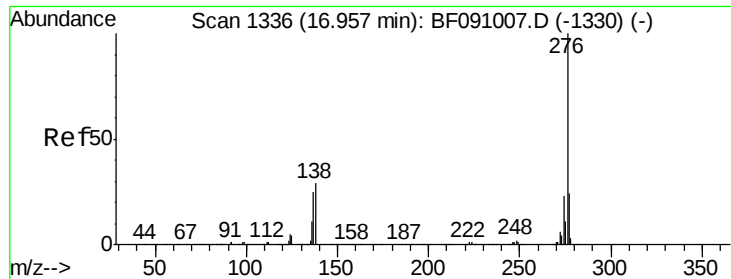
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#89
Benzo(a)pyrene
Concen: 6.08 ng
RT: 15.15 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF091074.D
Acq: 7 Nov 2016 23:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	16.2	8.6	13.0





#91
 Benzo(a,h,i)perylene
 Concen: 3.31 ng
 RT: 16.89 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: BF091074.D
 Acq: 7 Nov 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 S-1DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	34.4	23.3	34.9

Manual Integrations
 APPROVED

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