

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
 Data File : BF091631.D
 Acq On : 15 Dec 2016 16:33
 Operator : UM/SJ
 Sample : H6012-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-3-4

Manual Integrations
 APPROVED

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Quant Time: Dec 16 00:39:13 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	313700	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	1195986	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	665368	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	992397	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	662830	20.00	ng	-0.01
86) Perylene-d12	15.35	264	617866	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	2071652	111.26	ng	0.01
7) Phenol-d6	6.43	99	2718835	117.12	ng	0.00
23) Nitrobenzene-d5	7.34	82	1647234	76.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	568750	102.91	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2523443	65.53	ng	0.00
78) Terphenyl-d14	12.89	244	1941859	66.48	ng	-0.01
Target Compounds						
10) Phenol	6.44	94	172452	6.35	ng	# 73
49) Dimethylphthalate	9.54	163	322740	7.66	ng	# 98
70) Phenanthrene	11.32	178	227086	4.62	ng	98
74) Fluoranthene	12.51	202	332950	6.47	ng	98
77) Pyrene	12.74	202	287908	5.47	ng	98
80) Benzo(a)anthracene	13.93	228	124316	3.23	ng	99
82) Chrysene	13.96	228	102456m	2.54	ng	
83) Bis(2-ethylhexyl)phthalate	13.93	149	176783	6.72	ng	98
87) Benzo(b)fluoranthene	14.95	252	137119m	3.72	ng	
89) Benzo(a)pyrene	15.28	252	94032	2.83	ng	99

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

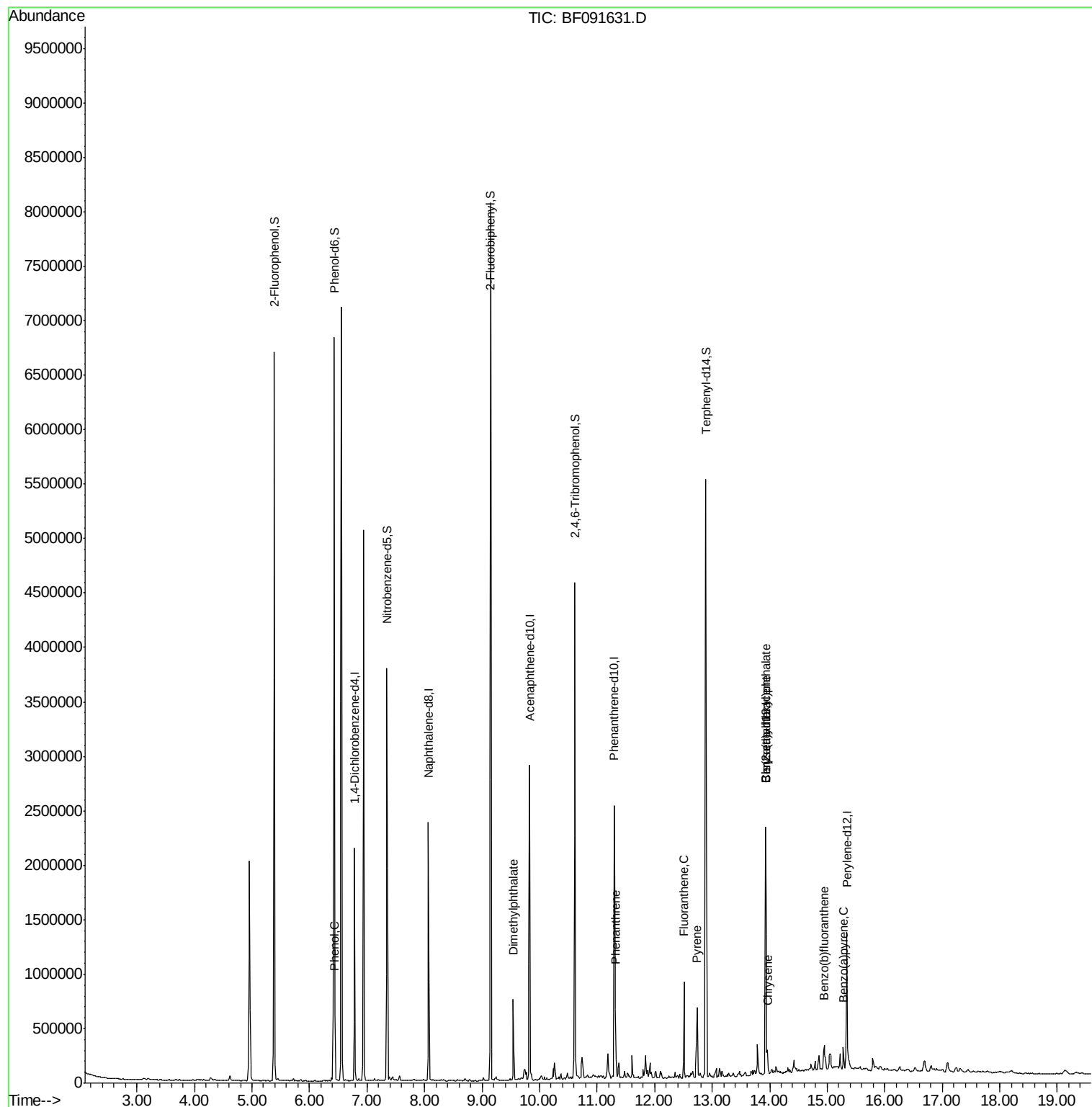
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
Data File : BF091631.D
Acq On : 15 Dec 2016 16:33
Operator : UM/SJ
Sample : H6012-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

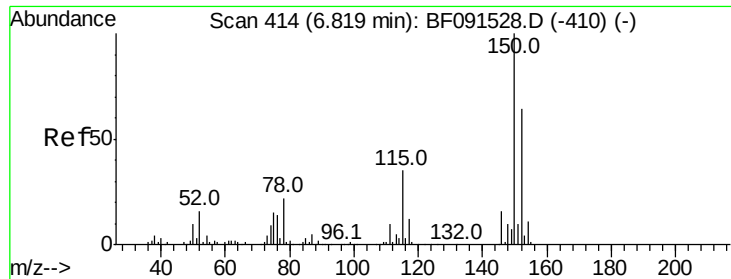
Instrument :
BNA_F
ClientSampleId :
SB-2-3-4

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Quant Time: Dec 16 00:39:13 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
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#1

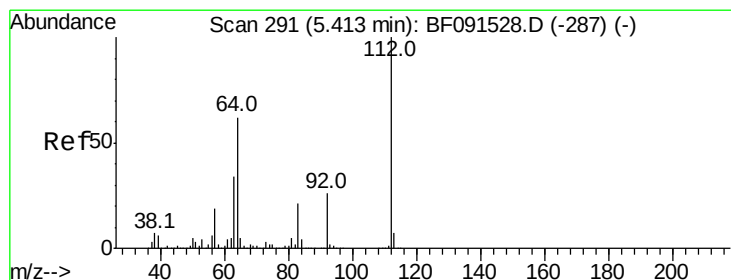
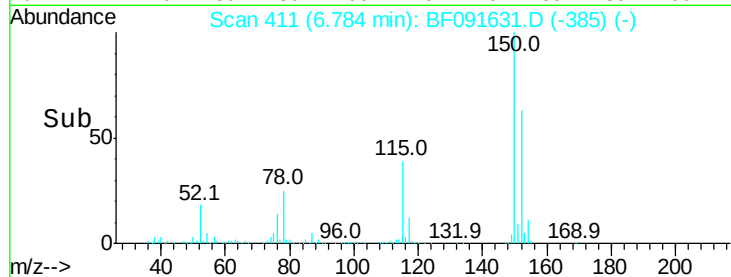
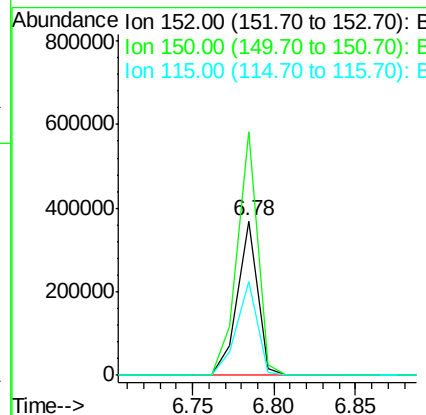
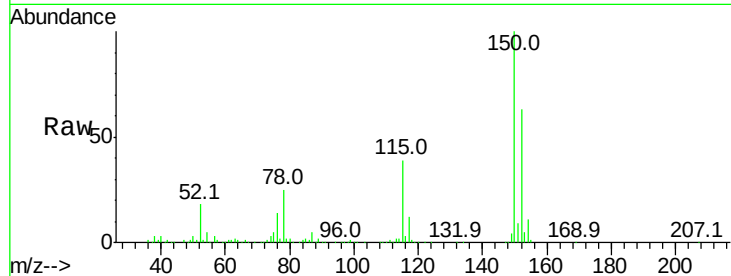
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Instrument :
BNA_F
ClientSampleId :
SB-2-3-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	122.5	183.7
115	60.8	51.8	77.8

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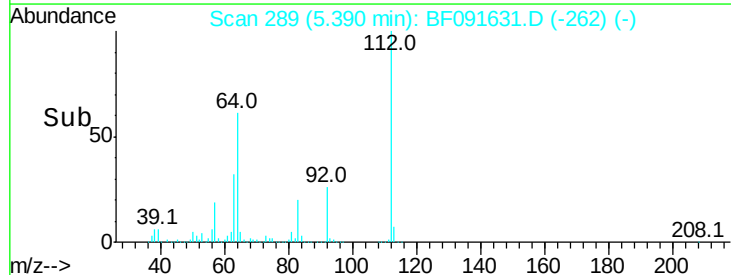
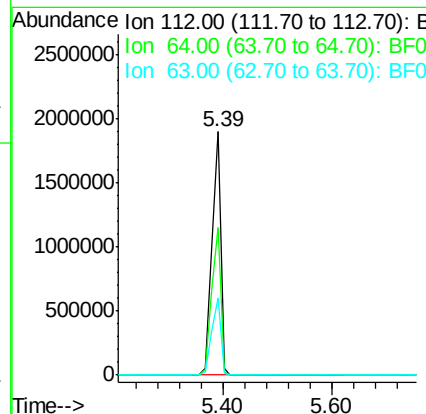
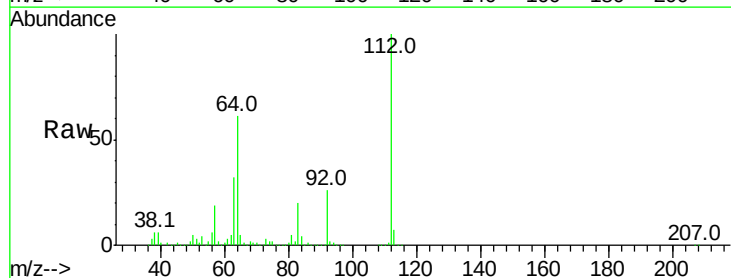
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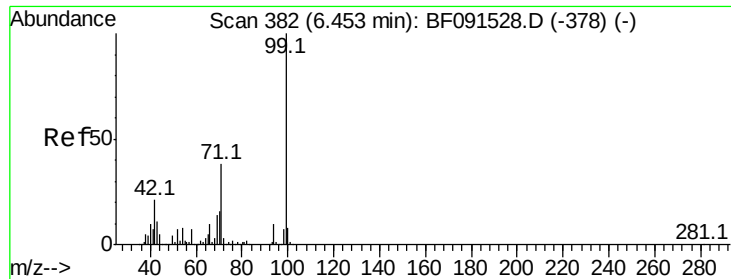


#5

2-Fluorophenol
Concen: 111.26 ng
RT: 5.39 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	61.5	92.3#
63	31.6	33.3	49.9#





#7

Phenol-d6

Concen: 117.12 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091631.D

Acq: 15 Dec 2016 16:33

Instrument :

BNA_F

ClientSampleId :

SB-2-3-4

Tot Ion: 99 Resp: 2718835

Ion Ratio Lower Upper

99 100

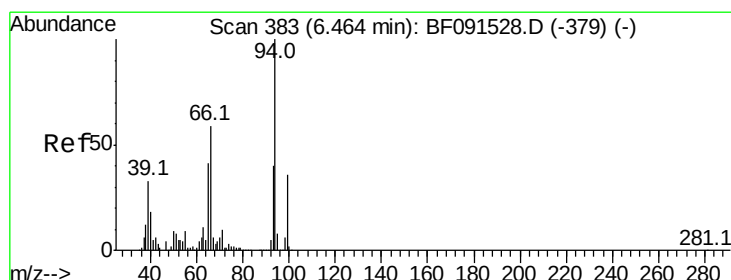
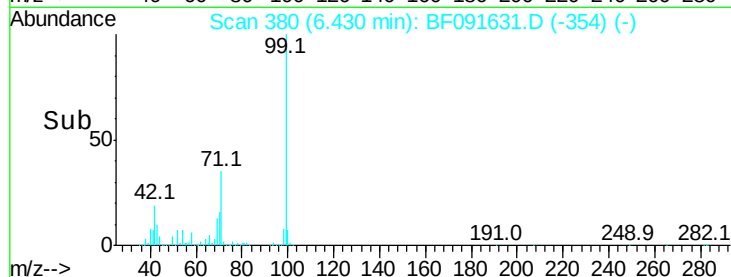
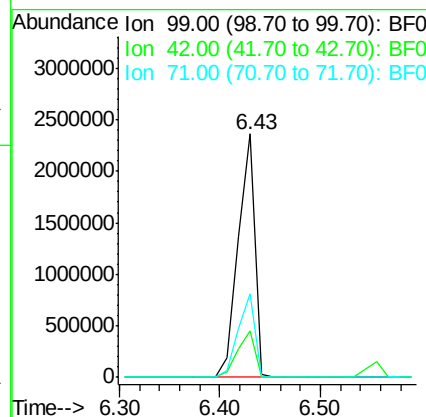
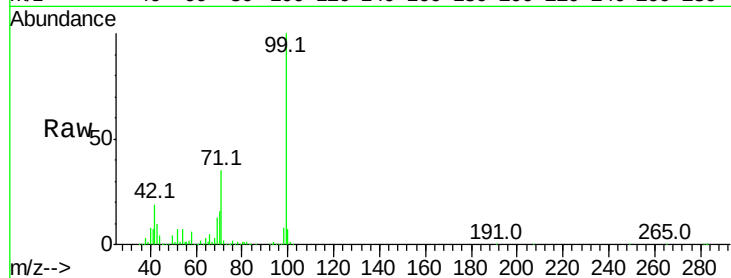
42 19.3 20.6 31.0#

71 34.5 29.9 44.9

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#10

Phenol

Concen: 6.35 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF091631.D

Acq: 15 Dec 2016 16:33

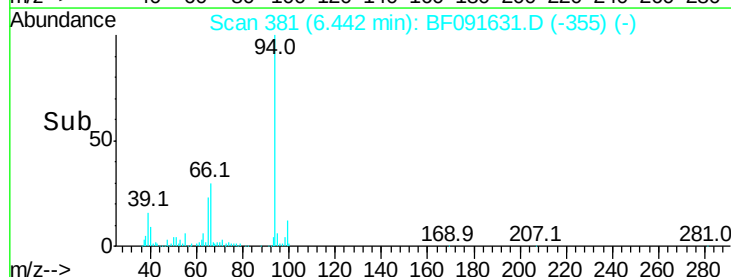
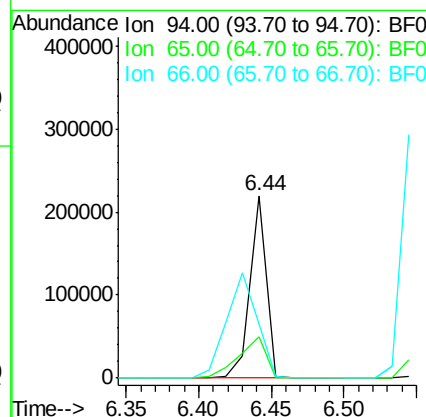
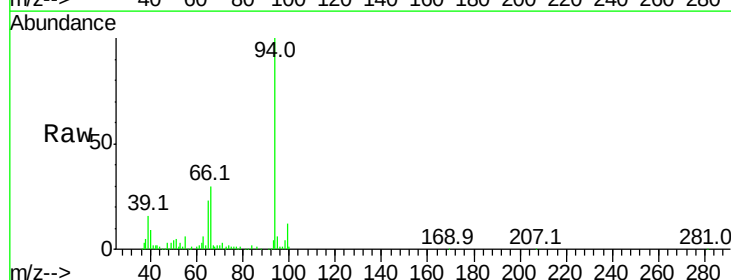
Tgt Ion: 94 Resp: 172452

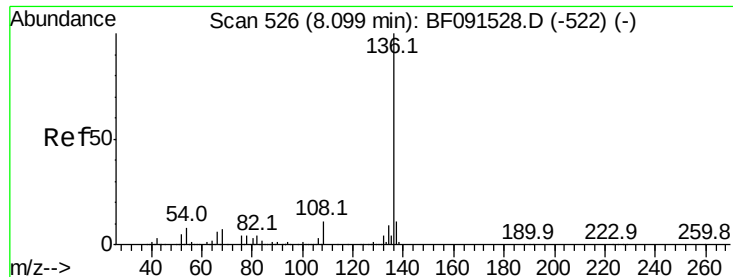
Ion Ratio Lower Upper

94 100

65 22.9 16.9 56.9

66 29.7 30.6 70.6#





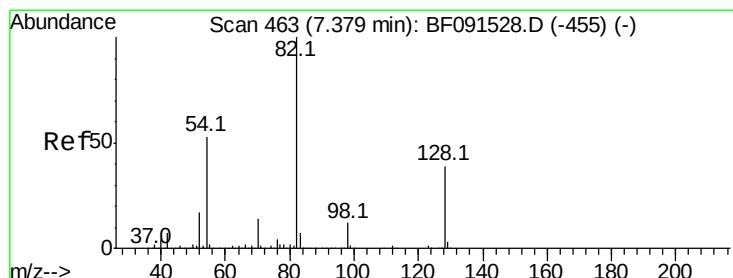
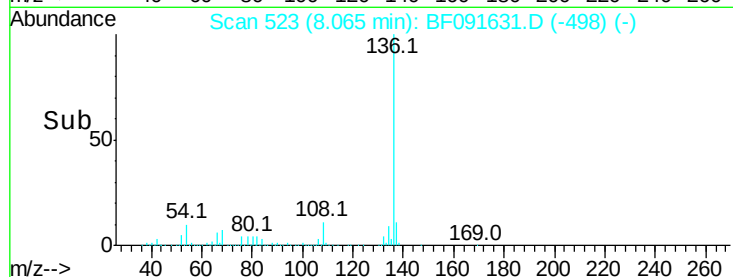
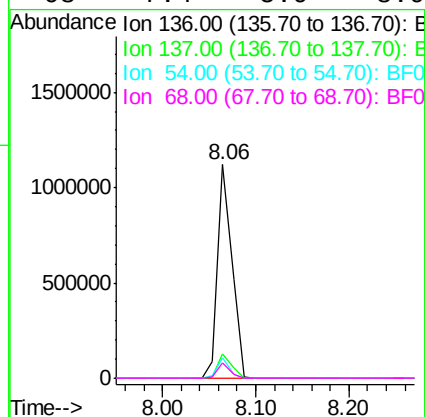
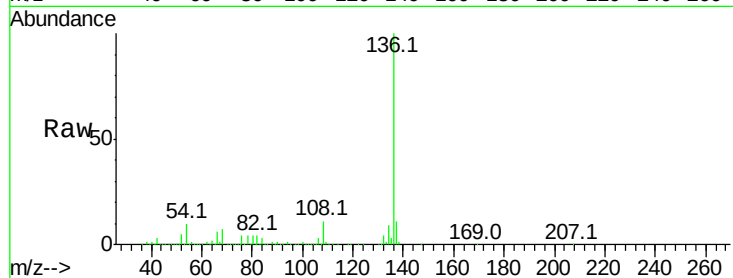
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Instrument :
BNA_F
ClientSampleId :
SB-2-3-4

Tot Ion	136	Resp	1195986
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	9.5	9.1	13.7
68	7.4	5.9	8.9

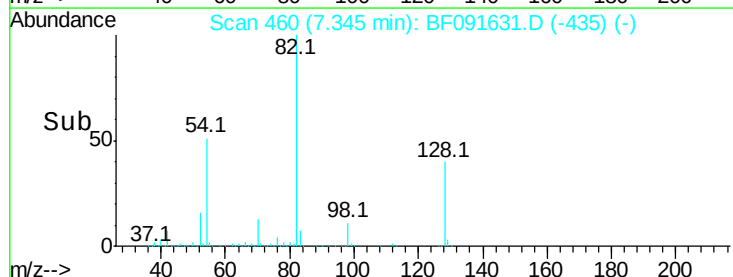
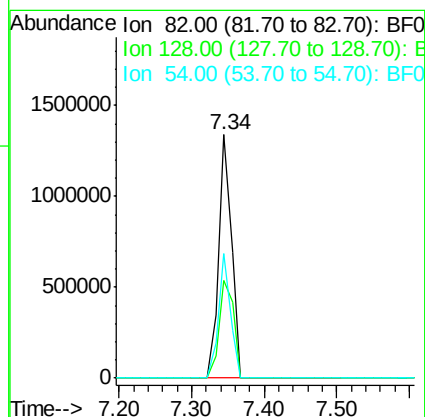
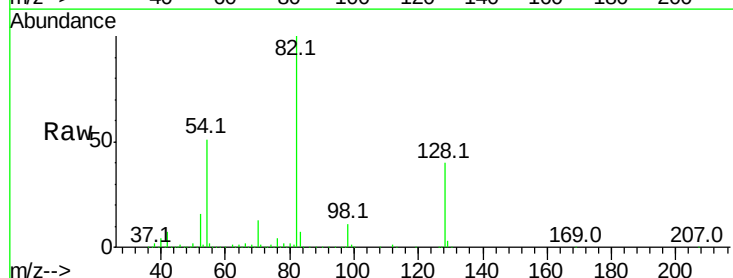
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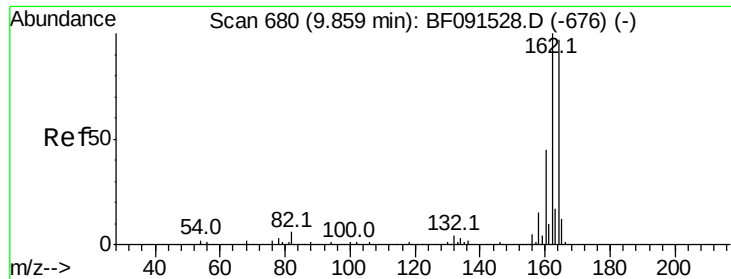
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#23
Nitrobenzene-d5
Concen: 76.87 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Tgt Ion	82	Resp	1647234
Ion Ratio	Lower	Upper	
82	100		
128	40.3	31.8	47.6
54	51.3	49.1	73.7





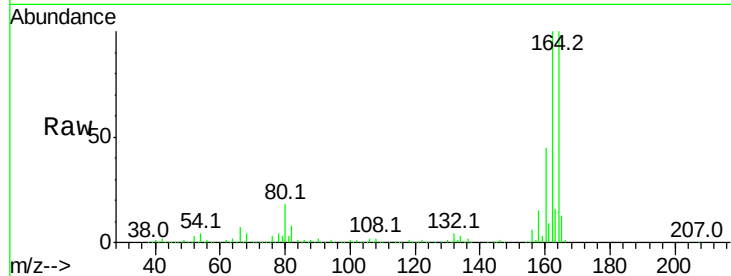
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Instrument :
BNA_F
ClientSampled :
SB-2-3-4

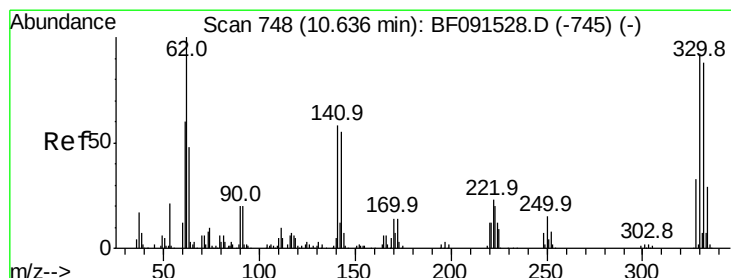
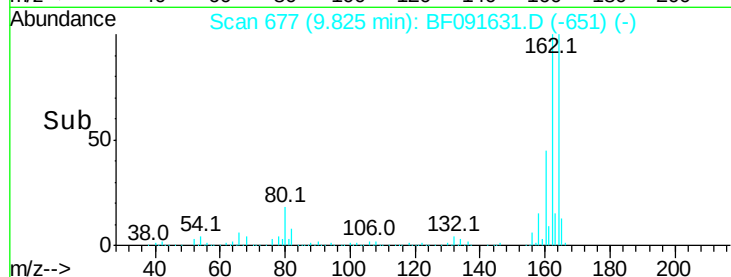
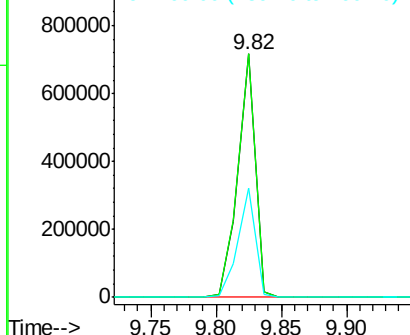
Tot Ion	Ratio	Resp	Lower	Upper
164	100	665368		
162	99.9	82.6	124.0	
160	45.0	36.7	55.1	

Manual Integrations
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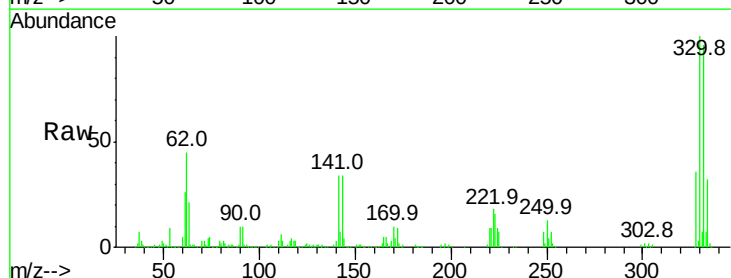


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

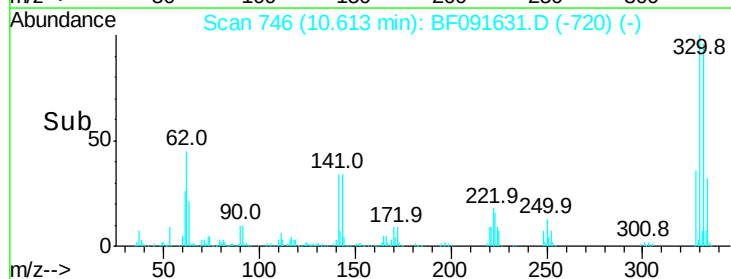
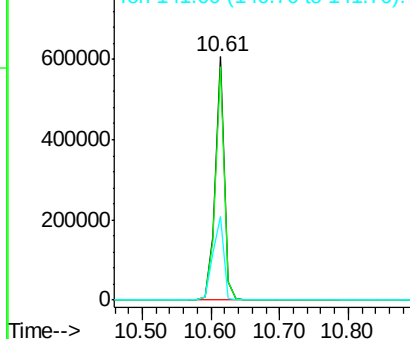


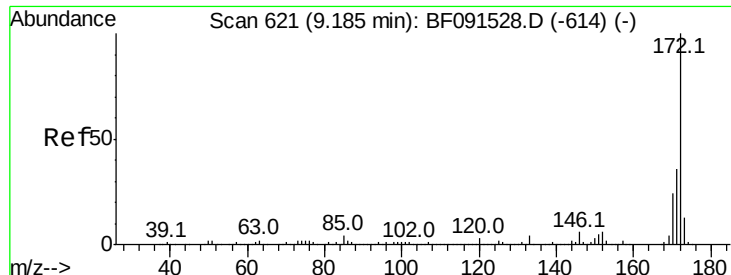
#41
2,4,6-Tribromophenol
Concen: 102.91 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	568750		
332	96.0	76.2	114.4	
141	41.1	33.6	50.4	



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





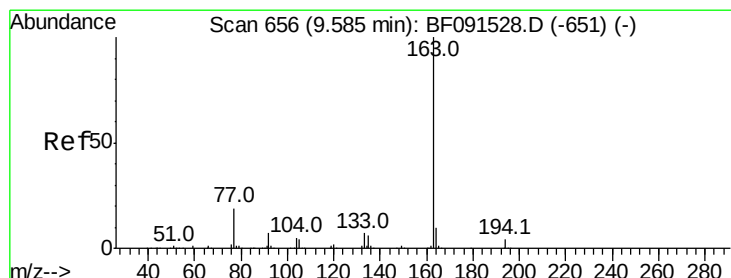
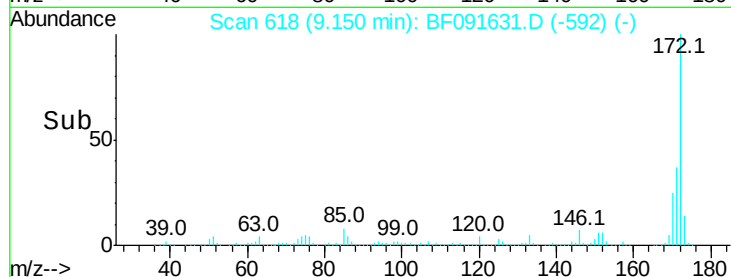
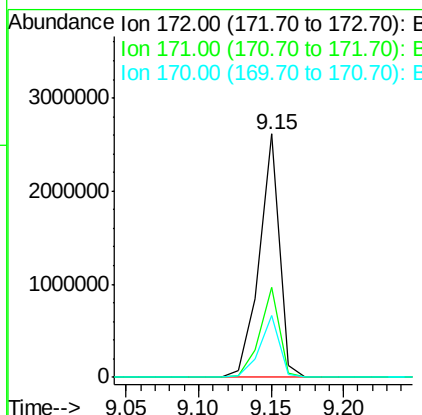
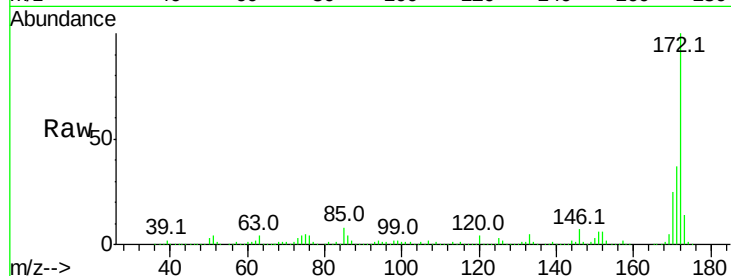
#44
2-Fluorobiphenyl
Concen: 65.53 ng
RT: 9.15 min Scan# 618
Delta R.T. 0.00 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Instrument :
BNA_F
ClientSampleId :
SB-2-3-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	25.4	19.7	29.5

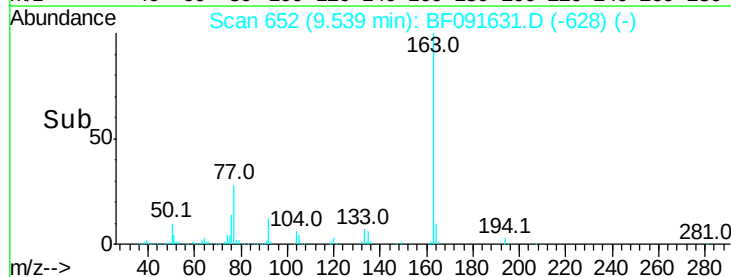
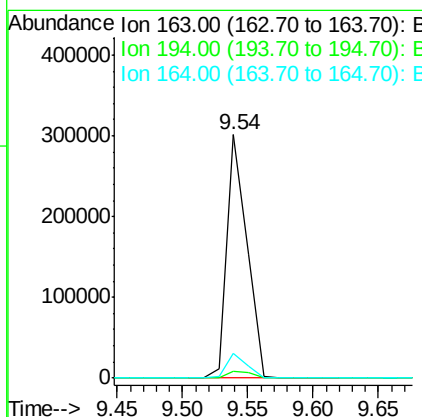
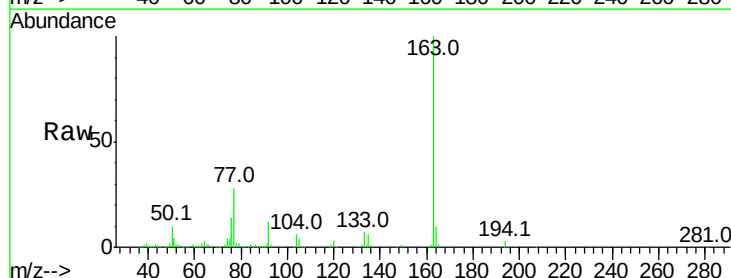
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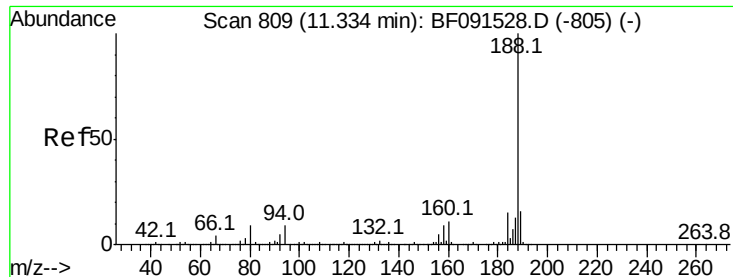
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#49
Dimethylphthalate
Concen: 7.66 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	3.0	4.4#
164	10.4	7.8	11.8





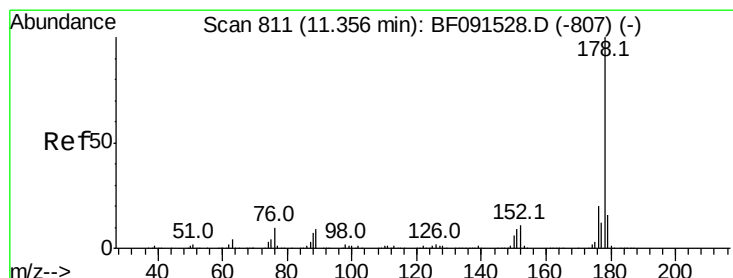
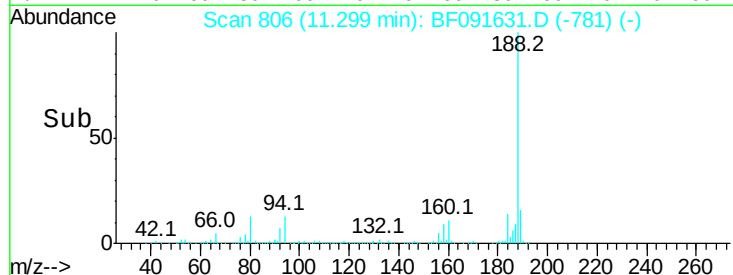
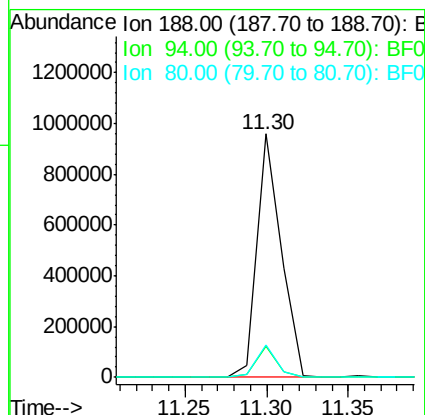
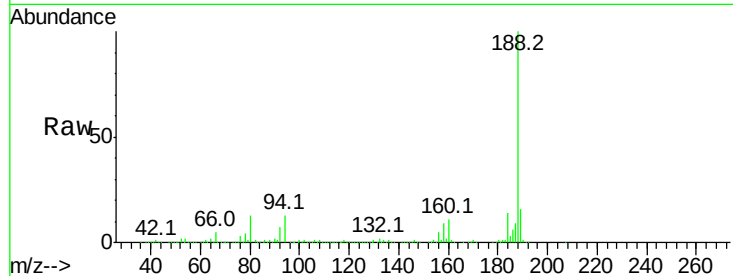
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Instrument :
BNA_F
ClientSampled :
SB-2-3-4

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.8	9.2	13.8
80	13.3	10.5	15.7

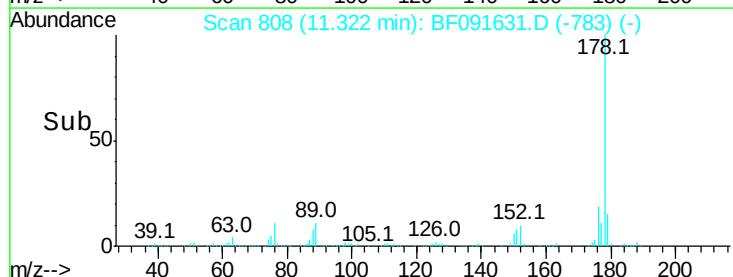
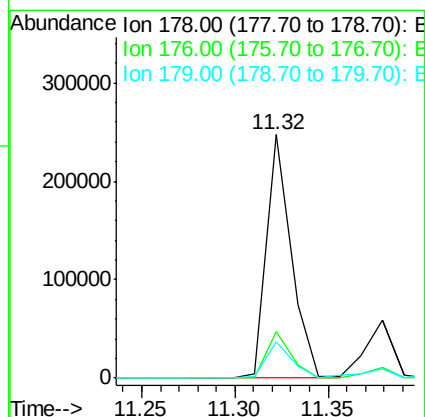
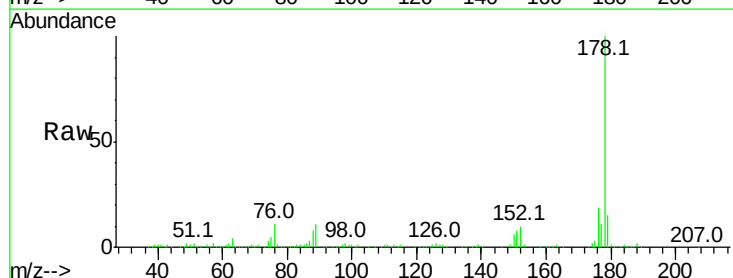
Manual Integrations
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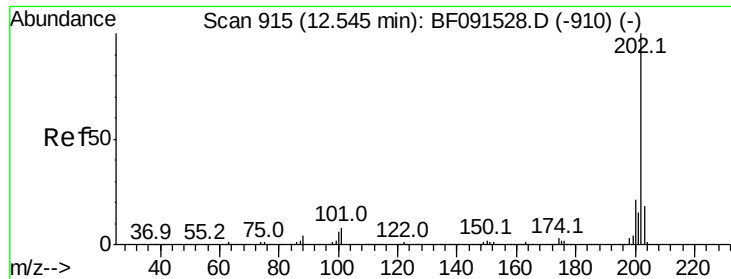
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#70
Phenanthrene
Concen: 4.62 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.1	12.6	18.8





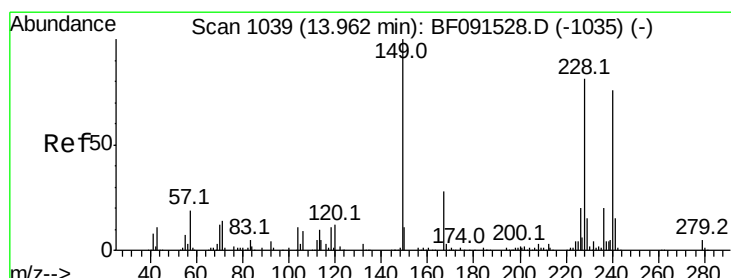
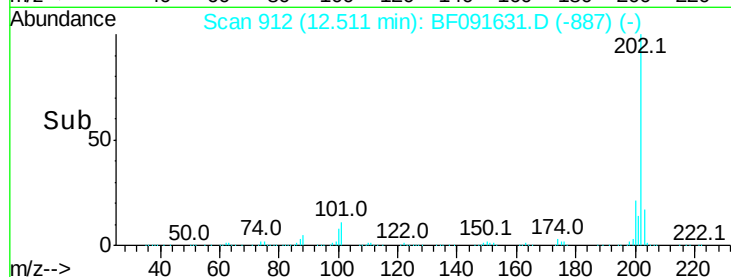
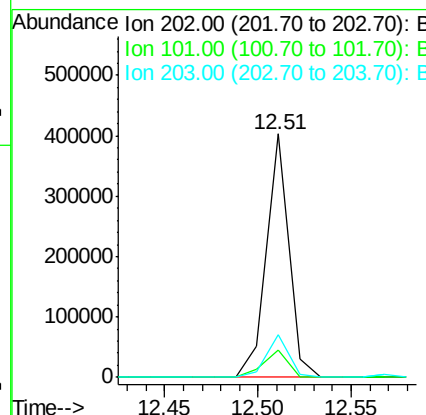
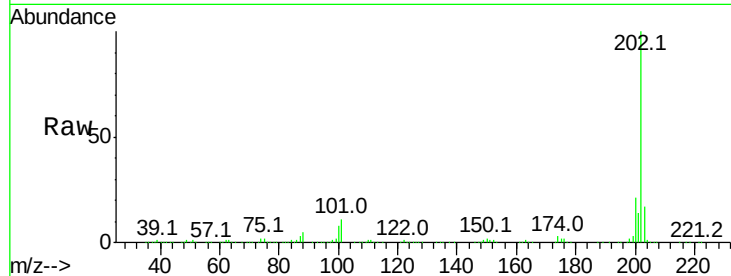
#74
Fluoranthene
Concen: 6.47 ng
RT: 12.51 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Instrument :
BNA_F
ClientSampled :
SB-2-3-4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	29.5
203	17.4	0.0	37.8

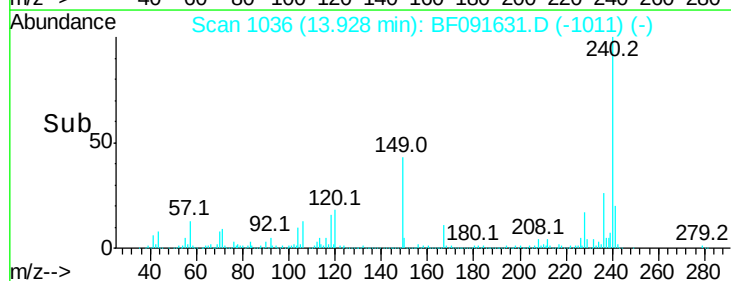
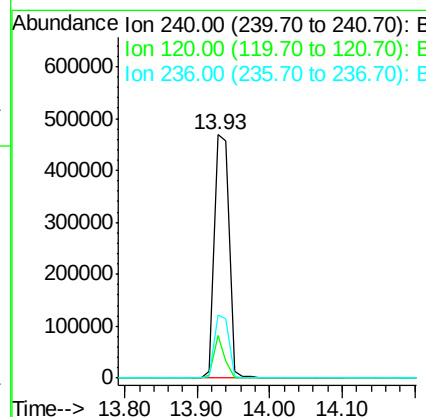
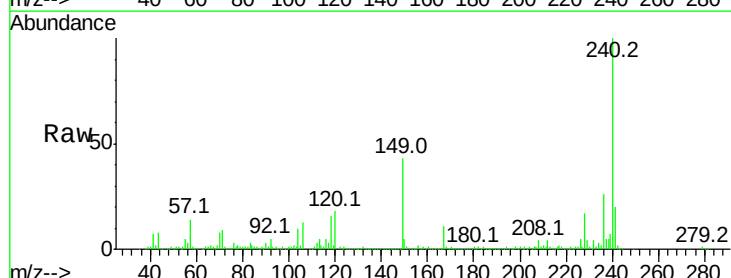
Manual Integrations
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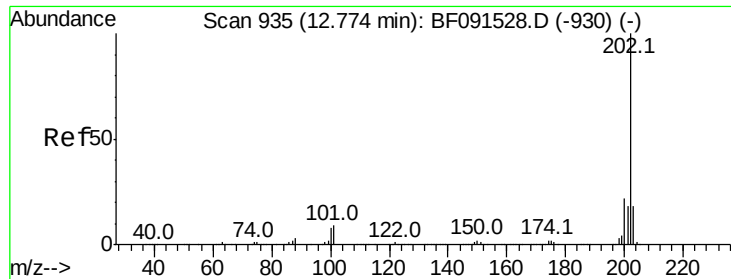
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	17.8	12.1	18.1
236	25.9	21.0	31.6





#77

Pvrene

Concen: 5.47 ng

RT: 12.74 min Scan# 932

Delta R.T. 0.00 min

Lab File: BF091631.D

Acq: 15 Dec 2016 16:33

Instrument :

BNA_F

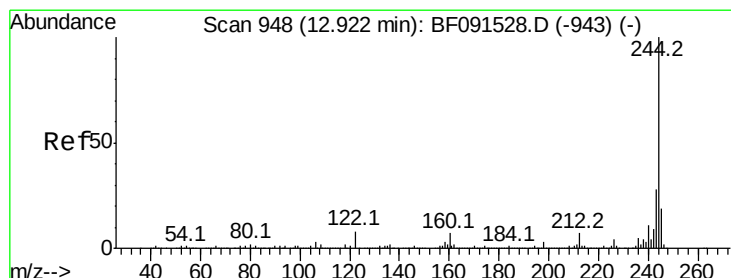
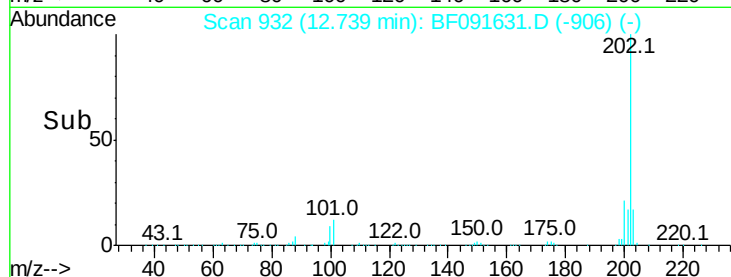
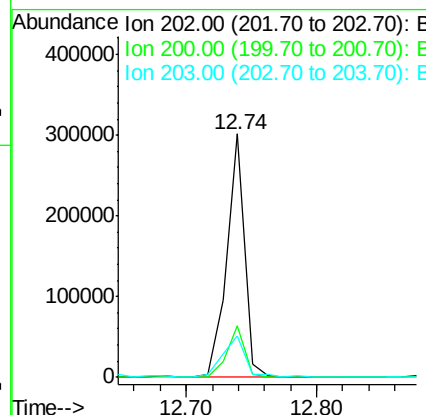
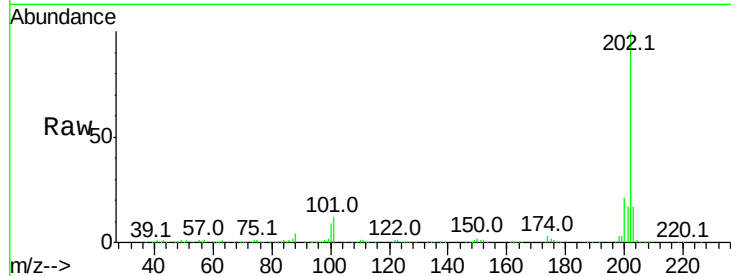
ClientSampleId :

SB-2-3-4

Tot Ion:	202	Resp:	287908
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.6	26.4
203	17.1	14.0	21.0

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#78

Terphenyl-d14

Concen: 66.48 ng

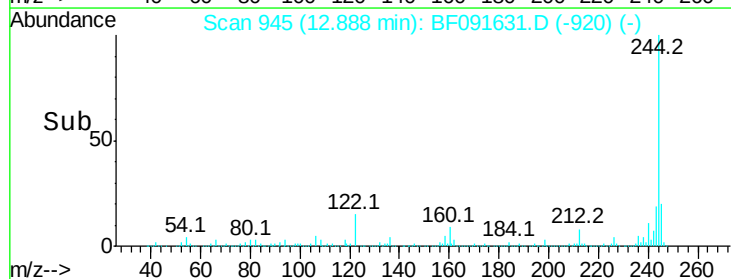
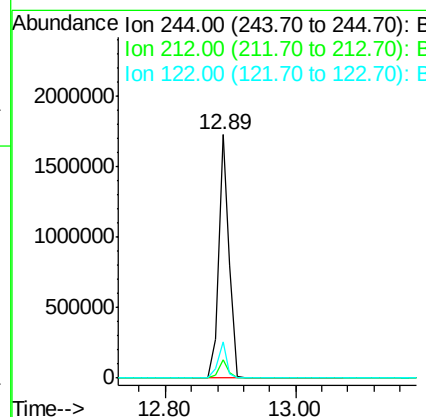
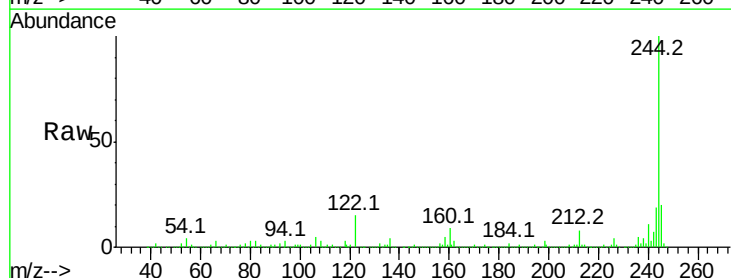
RT: 12.89 min Scan# 945

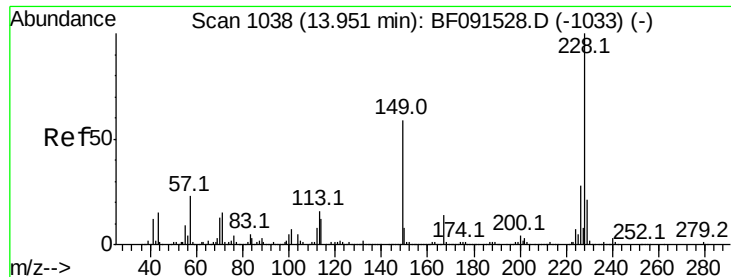
Delta R.T. -0.01 min

Lab File: BF091631.D

Acq: 15 Dec 2016 16:33

Tgt Ion:	244	Resp:	1941859
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.5	9.7
122	14.7	9.5	14.3#





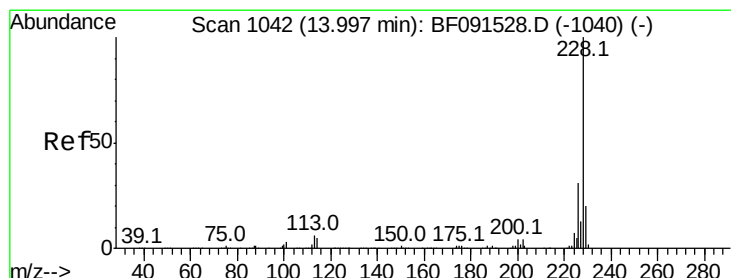
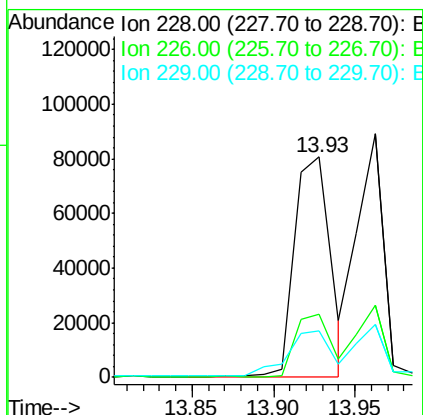
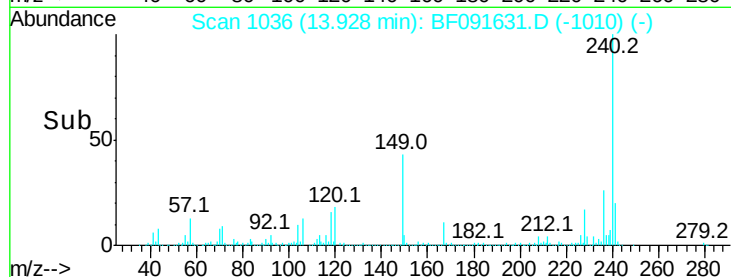
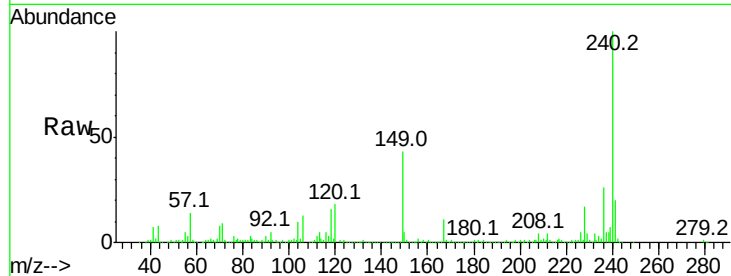
#80
Benzo(a)anthracene
Concen: 3.23 ng
RT: 13.93 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Instrument :
BNA_F
ClientSampleId :
SB-2-3-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.5	33.7
229	21.4	16.4	24.6

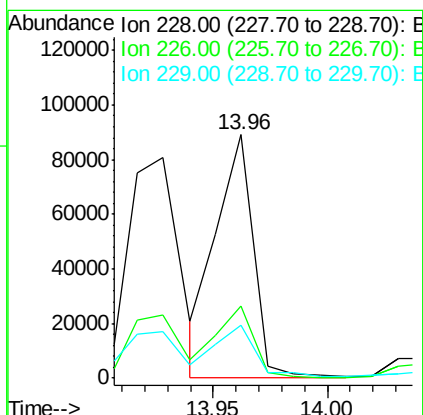
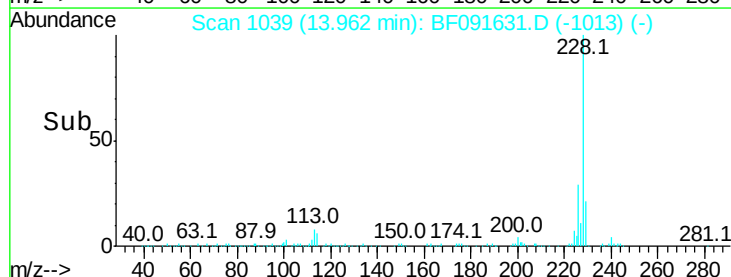
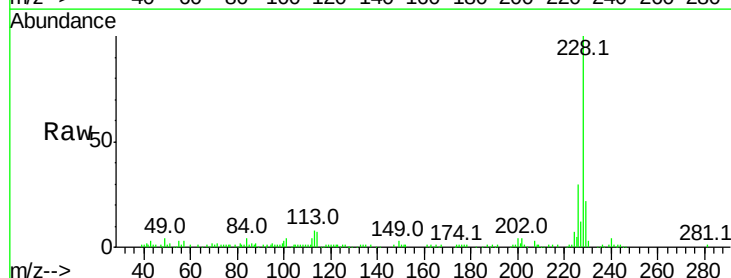
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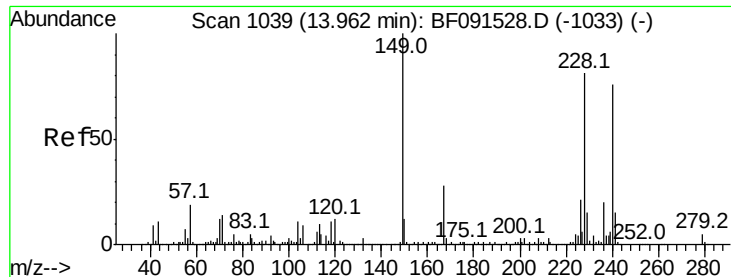
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#82
Chrysene
Concen: 2.54 ng m
RT: 13.96 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.4
229	21.6	16.0	24.0





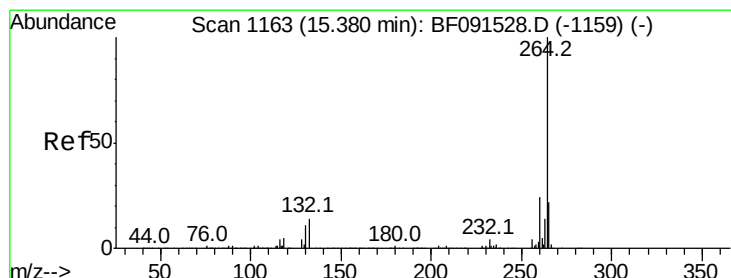
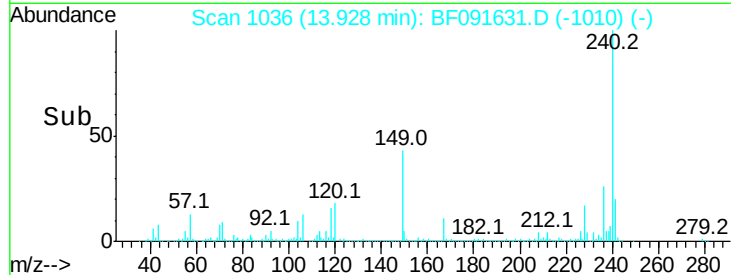
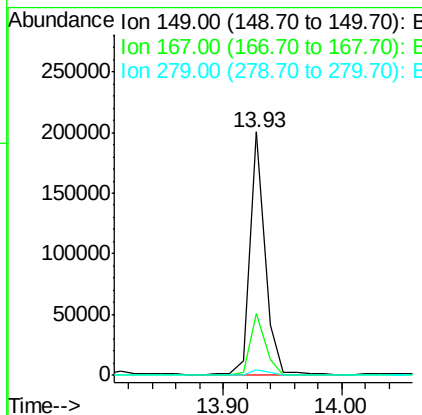
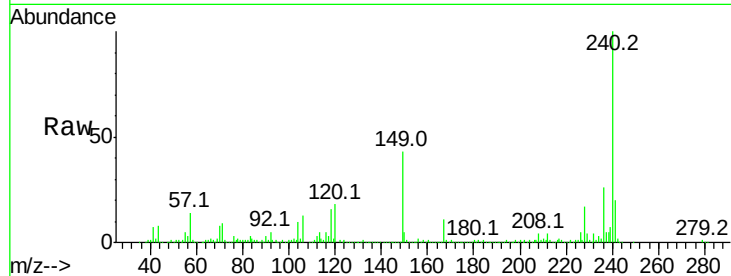
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.72 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BF091631.D
 Acq: 15 Dec 2016 16:33

Instrument :
 BNA_F
 ClientSampled :
 SB-2-3-4

Tot Ion:	149	Resp:	176783
Ion Ratio	Lower	Upper	
149	100		
167	25.3	19.6	29.4
279	2.2	1.9	2.9

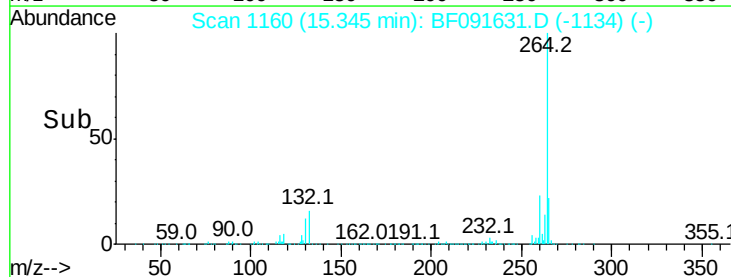
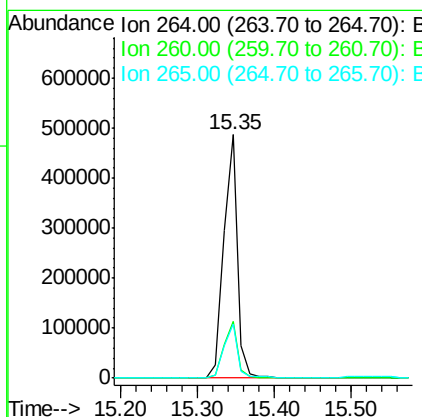
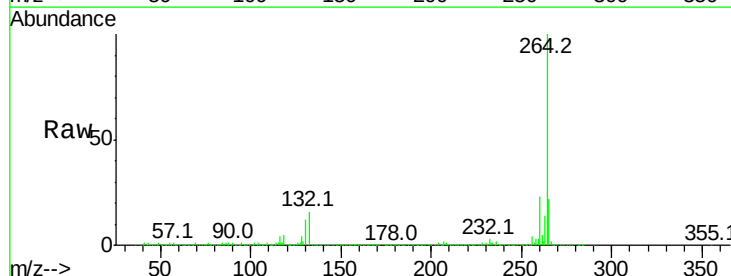
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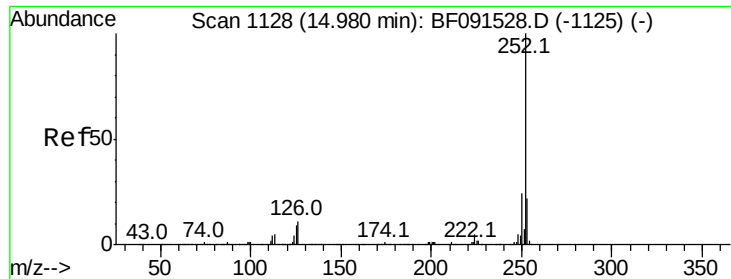
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BF091631.D
 Acq: 15 Dec 2016 16:33

Tgt Ion:	264	Resp:	617866
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.8	28.2
265	22.0	17.0	25.6





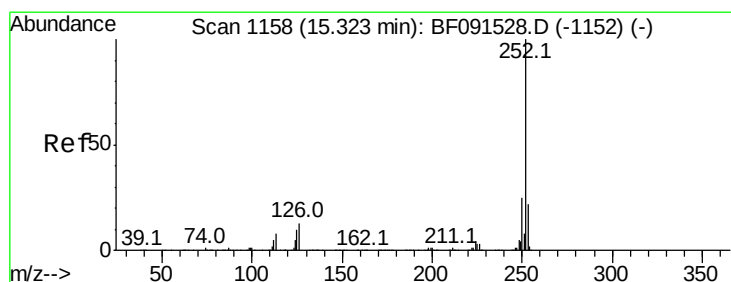
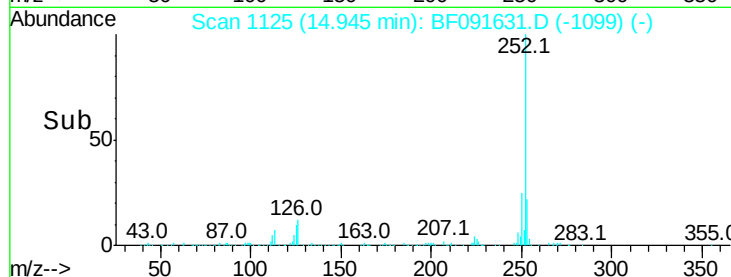
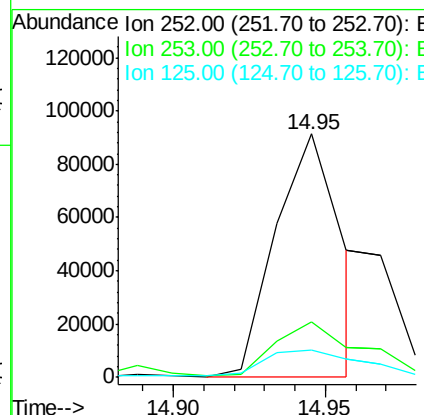
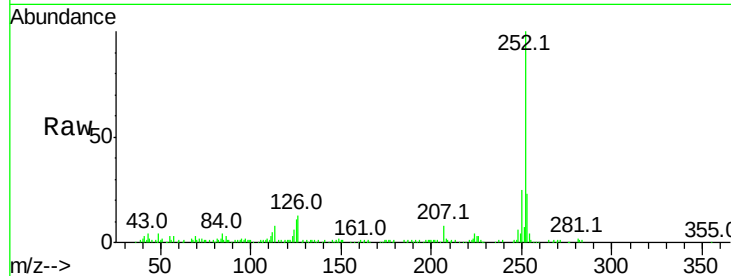
#87
Benzo(b)fluoranthene
Concen: 3.72 ng/ml
RT: 14.95 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Instrument :
BNA_F
ClientSampleId :
SB-2-3-4

Tot Ion	Ratio	Resp	Lower	Upper
252	100	137119		
253	23.0		18.2	27.2
125	11.0		8.6	13.0

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 2.83 ng/ml
RT: 15.28 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF091631.D
Acq: 15 Dec 2016 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	94032		
253	22.3		18.2	27.4
125	13.9		10.4	15.6

