

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120716\
 Data File : BF091483.D
 Acq On : 7 Dec 2016 21:39
 Operator : UM/SJ
 Sample : H5869-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP17-18-COMP4

Manual Integrations
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Quant Time: Dec 08 01:06:22 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 08 00:35:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	169495	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	677135	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	356539	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	664674	20.00	ng	0.00
75) Chrysene-d12	13.98	240	424989	20.00	ng	0.00
86) Perylene-d12	15.40	264	386223	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1027901	99.07	ng	0.01
7) Phenol-d6	6.47	99	1305729	102.23	ng	0.00
23) Nitrobenzene-d5	7.40	82	828167	68.54	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	445480	131.98	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	1671604	84.89	ng	0.00
78) Terphenyl-d14	12.94	244	1402439	71.72	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.48	94	120487	8.02	ng	98
20) 3+4-Methylphenols	7.24	107	55737	5.08	ng	90
31) Naphthalene	8.14	128	184792	5.74	ng	98
49) Dimethylphthalate	9.59	163	148134	6.86	ng	98
70) Phenanthrene	11.37	178	212417	6.15	ng	98
74) Fluoranthene	12.56	202	266016	8.13	ng	94
77) Pyrene	12.78	202	265491	8.23	ng	97
80) Benzo(a)anthracene	13.97	228	111442m	4.48	ng	
82) Chrysene	14.00	228	115377m	4.69	ng	
85) Indeno(1,2,3-cd)pyrene	16.77	276	88949	3.95	ng	# 89
87) Benzo(b)fluoranthene	15.00	252	164017m	6.83	ng	
88) Benzo(k)fluoranthene	15.01	252	46538m	2.31	ng	
89) Benzo(a)pyrene	15.34	252	127067m	5.89	ng	
91) Benzo(a,h,i)perylene	17.18	276	93781	4.56	ng	98

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

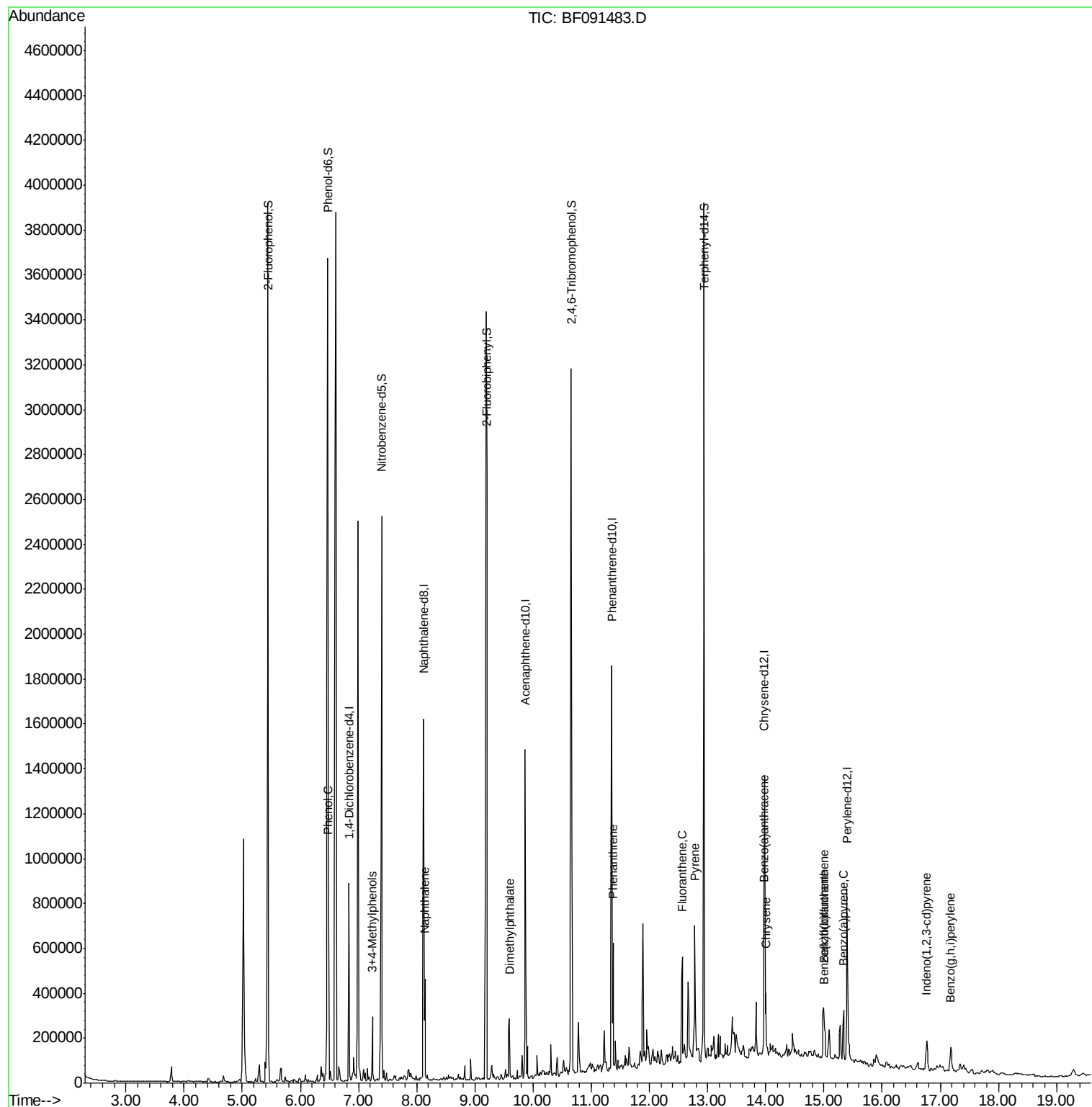
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120716\
Data File : BF091483.D
Acq On : 7 Dec 2016 21:39
Operator : UM/SJ
Sample : H5869-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

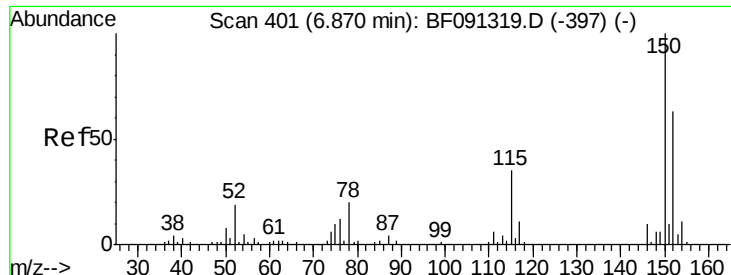
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

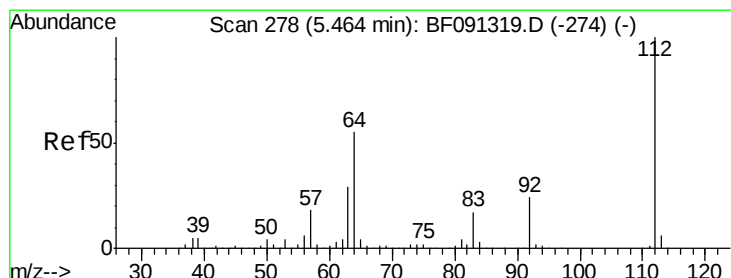
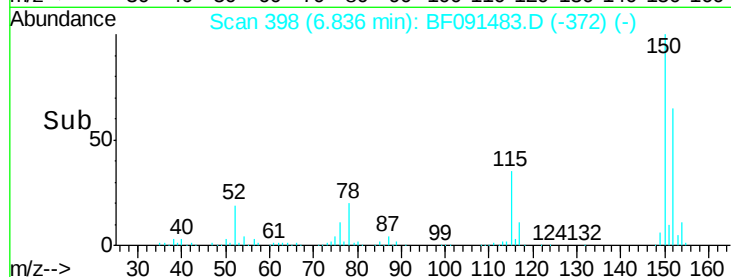
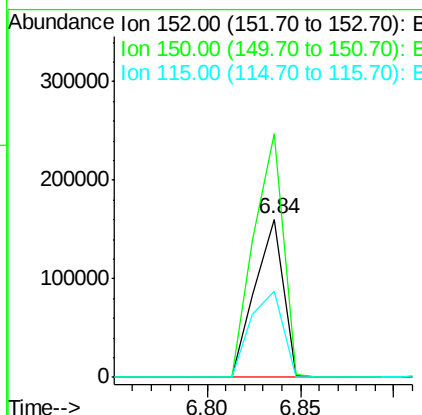
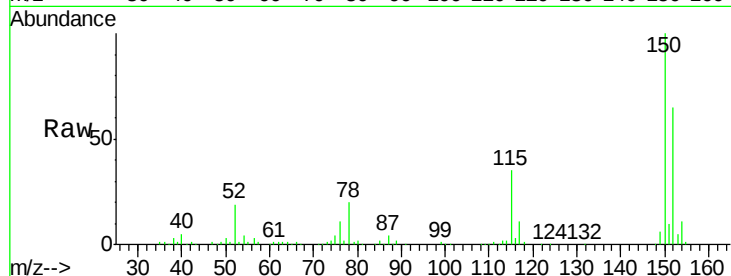
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 398
Delta R.T. -0.00 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Instrument :
BNA_F
ClientSampleId :
TP17-18-COMP4

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	122.5	183.7
115	54.4	51.8	77.8

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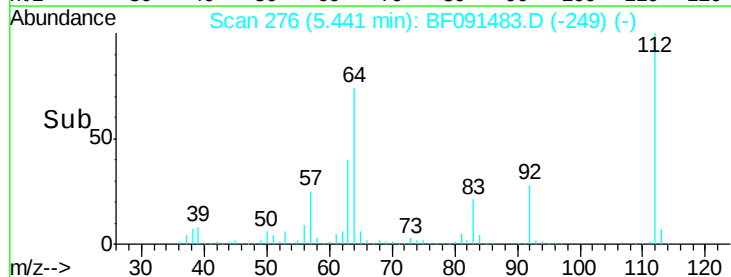
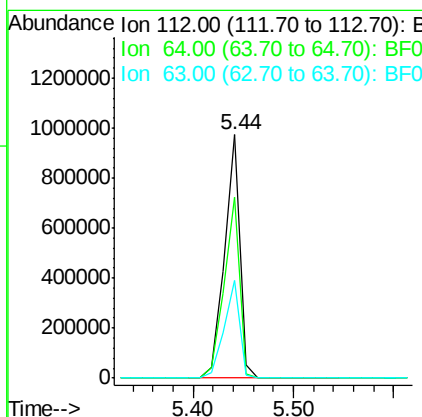
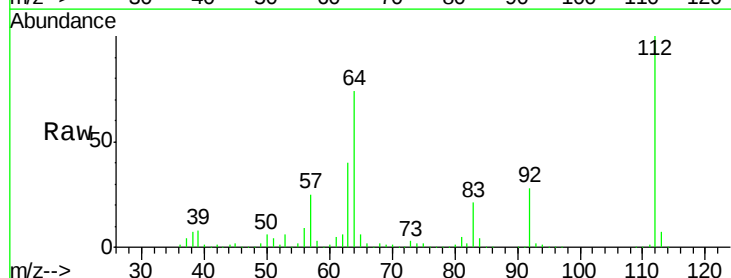
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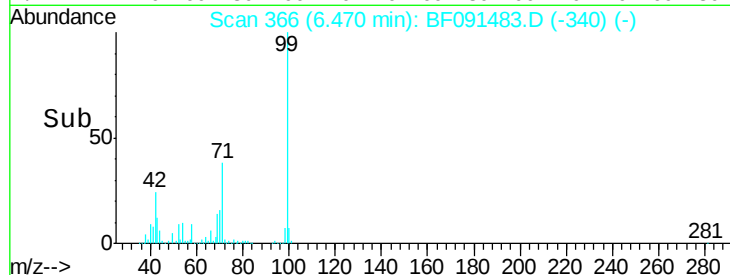
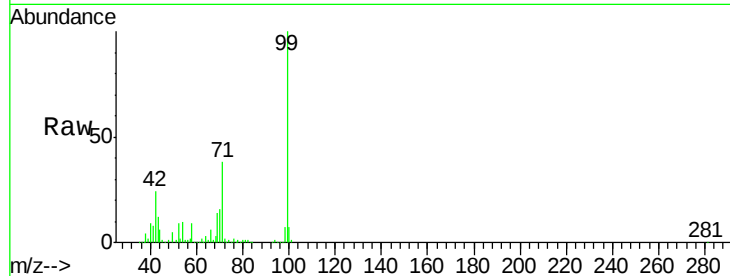
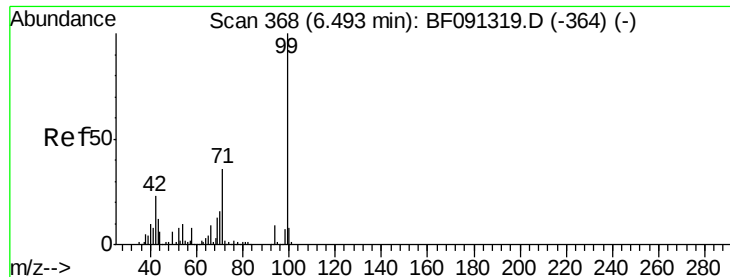


#5

2-Fluorophenol
Concen: 99.07 ng
RT: 5.44 min Scan# 276
Delta R.T. 0.01 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.4	61.5	92.3
63	40.1	33.3	49.9





#7

Phenol-d6

Concen: 102.23 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.00 min

Lab File: BF091483.D

Acq: 7 Dec 2016 21:39

Tot Ion:	99	Resp:	1305729
Ion	Ratio	Lower	Upper
99	100		
42	23.8	20.6	31.0
71	38.2	29.9	44.9

Instrument :

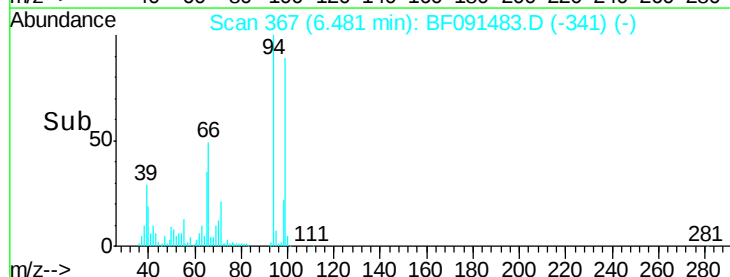
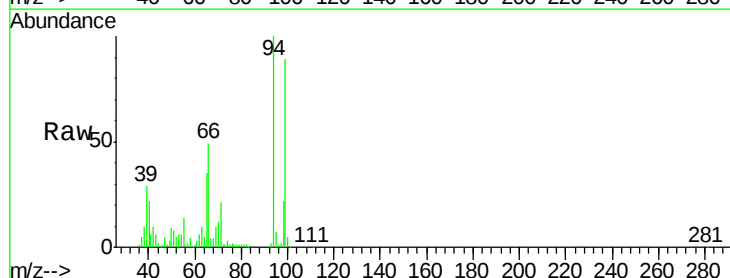
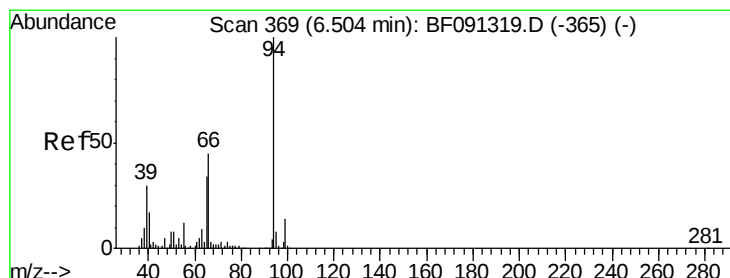
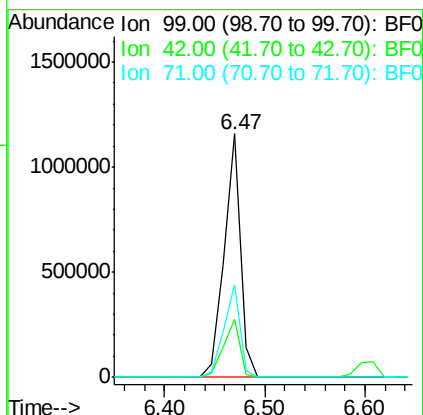
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ClientSampleId :

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#10

Phenol

Concen: 8.02 ng

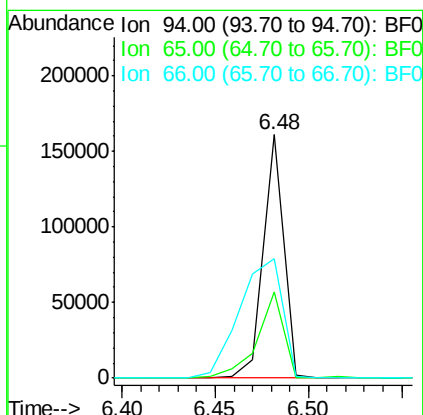
RT: 6.48 min Scan# 367

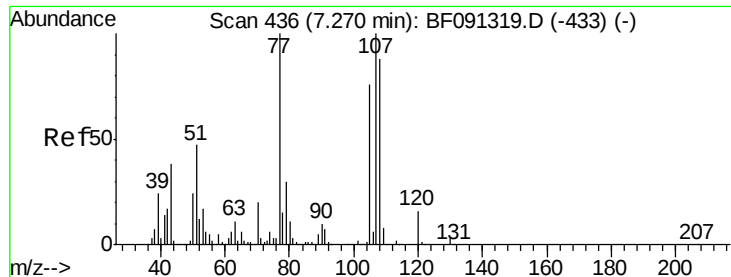
Delta R.T. -0.00 min

Lab File: BF091483.D

Acq: 7 Dec 2016 21:39

Tgt Ion:	94	Resp:	120487
Ion	Ratio	Lower	Upper
94	100		
65	35.2	16.9	56.9
66	49.1	30.6	70.6





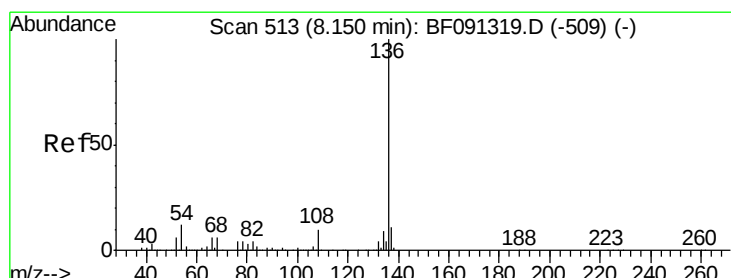
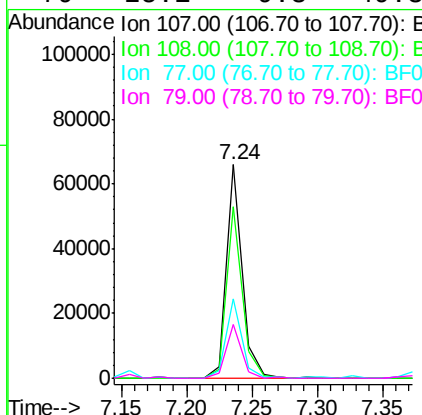
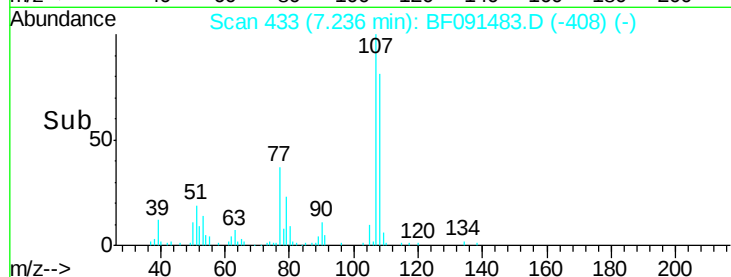
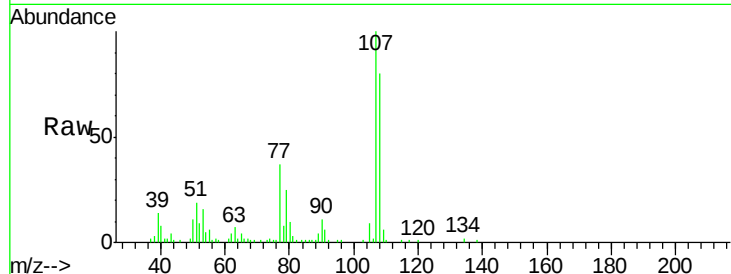
#20
3+4-Methylphenols
Concen: 5.08 ng
RT: 7.24 min Scan# 433
Delta R.T. -0.01 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Instrument :
BNA_F
ClientSampleId :
TP17-18-COMP4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	55737		
108	108	80.2		64.6	104.6
77	77	37.3		30.9	70.9
79	79	25.1		9.3	49.3

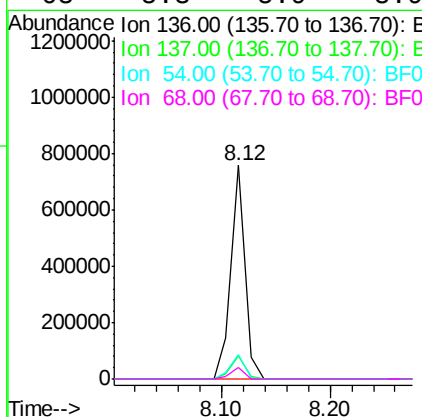
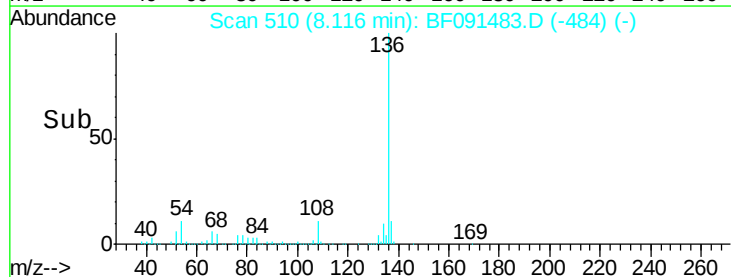
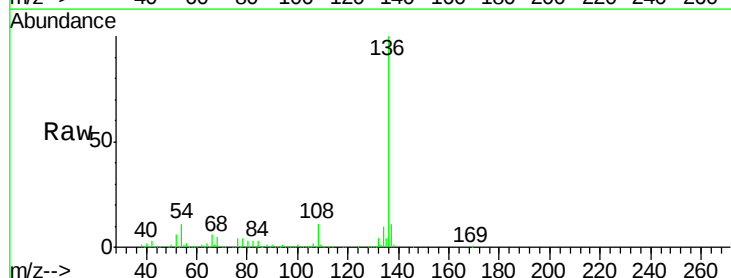
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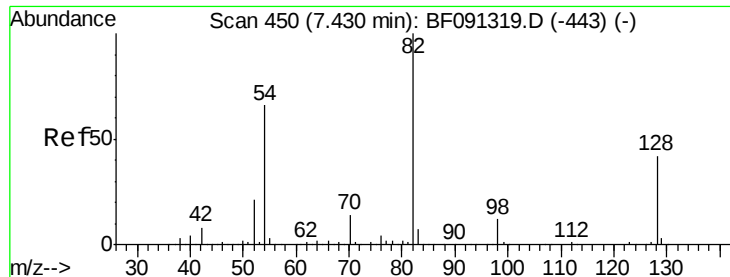
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 510
Delta R.T. -0.00 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100	677135		
137	137	11.0		9.1	13.7
54	54	11.4		9.1	13.7
68	68	5.3		5.9	8.9#





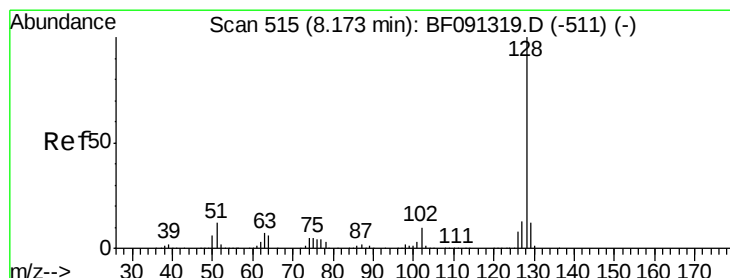
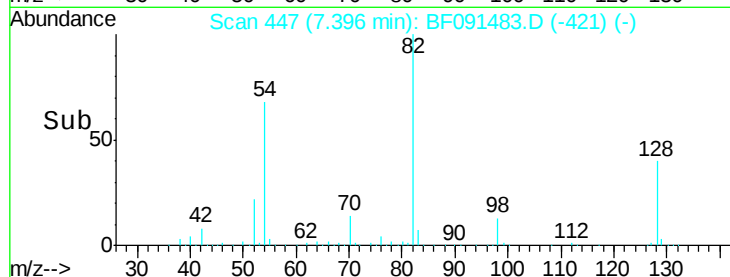
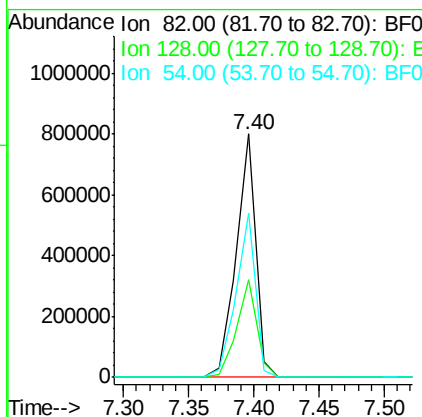
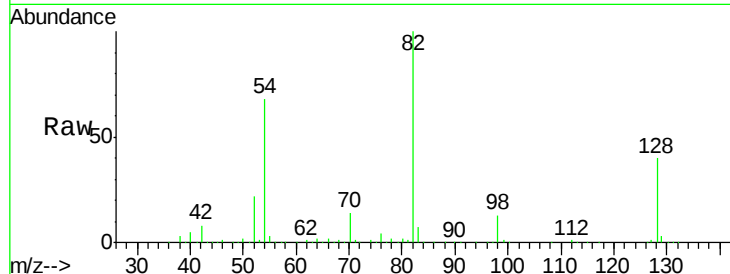
#23
Nitrobenzene-d5
Concen: 68.54 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Instrument :
BNA_F
ClientSampleId :
TP17-18-COMP4

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.3	31.8	47.6
54	67.7	49.1	73.7

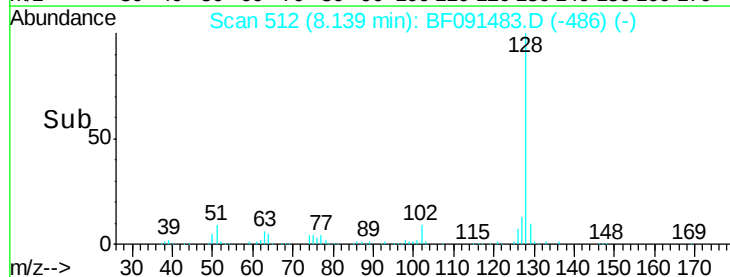
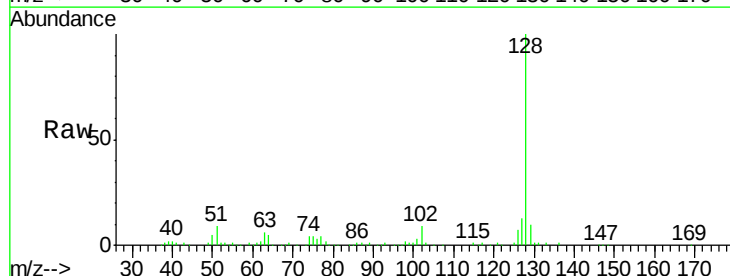
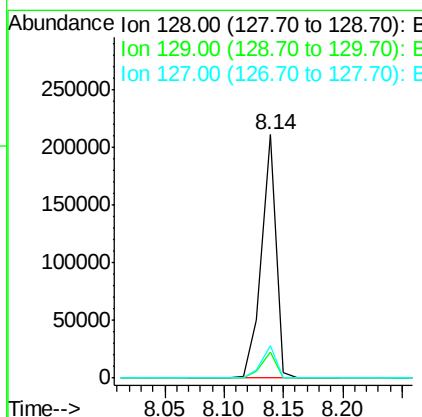
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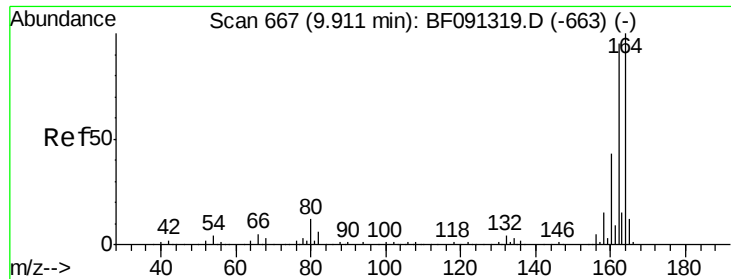
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#31
Naphthalene
Concen: 5.74 ng
RT: 8.14 min Scan# 512
Delta R.T. -0.00 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.1	13.7
127	13.3	11.0	16.4





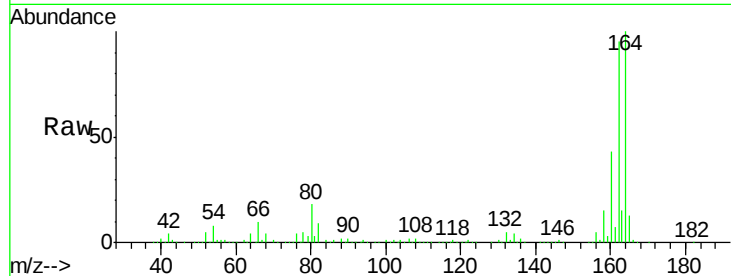
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Instrument :
BNA_F
ClientSampleId :
TP17-18-COMP4

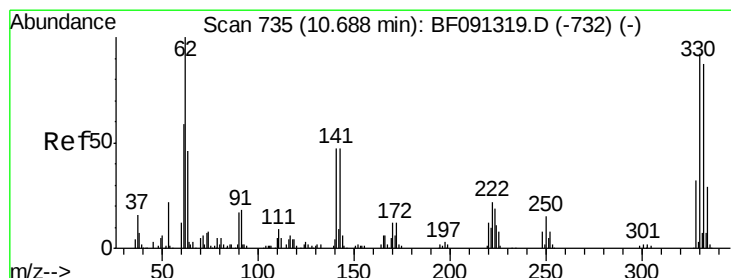
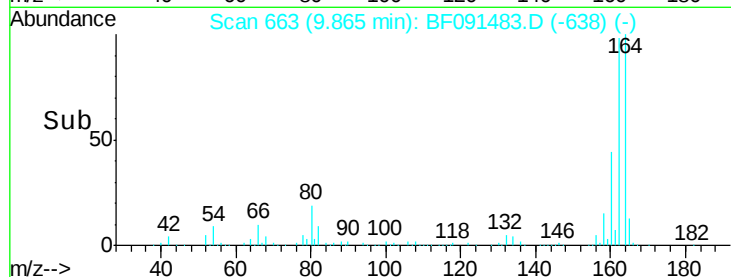
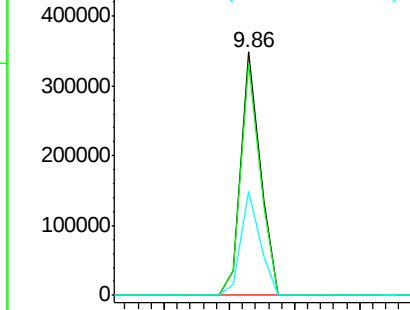
Tot Ion	Ratio	Lower	Upper
164	100		
162	95.3	82.6	124.0
160	42.8	36.7	55.1

Manual Integrations
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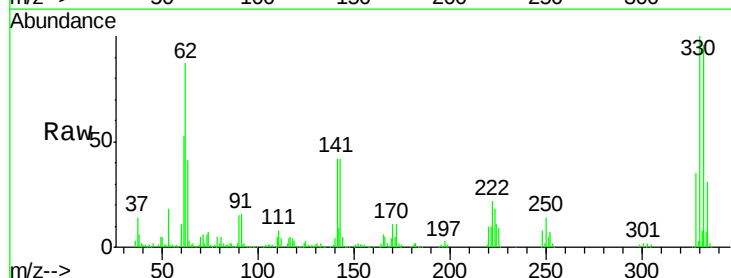


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

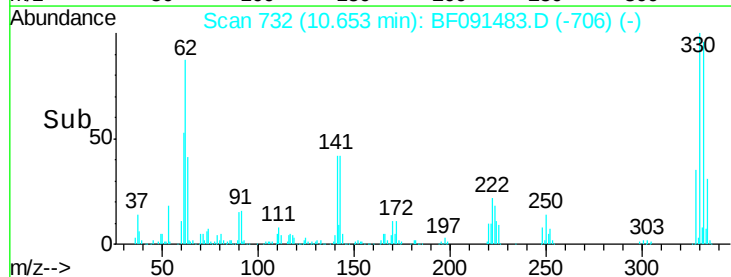
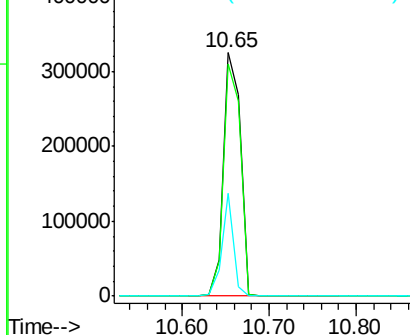


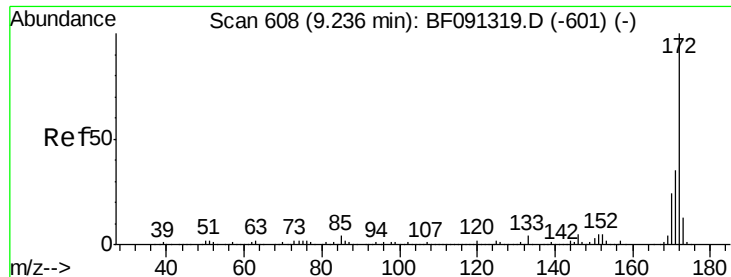
#41
2,4,6-Tribromophenol
Concen: 131.98 ng
RT: 10.65 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.2	114.4
141	29.5	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





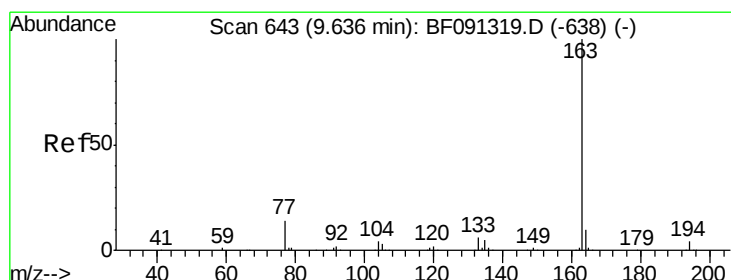
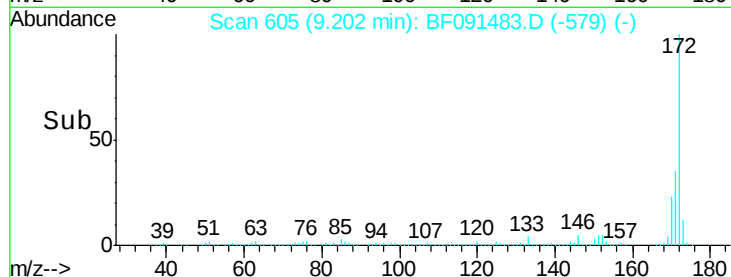
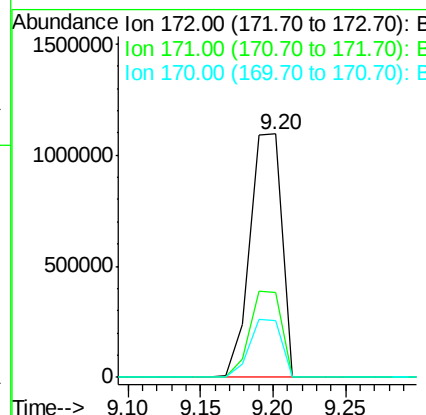
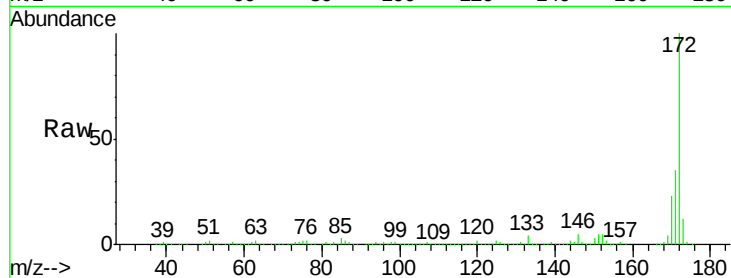
#44
2-Fluorobiphenyl
Concen: 84.89 ng
RT: 9.20 min Scan# 605
Delta R.T. -0.00 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Instrument :
BNA_F
ClientSampleId :
TP17-18-COMP4

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	34.9	29.4	44.0	
170	23.2	19.7	29.5	

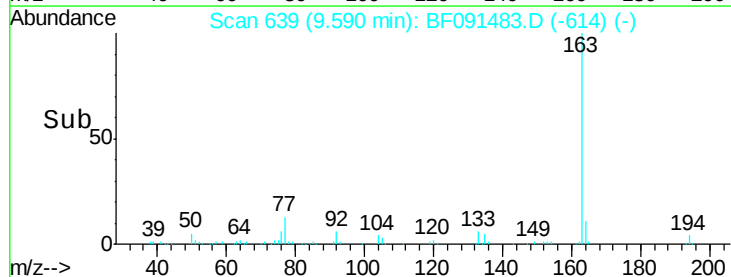
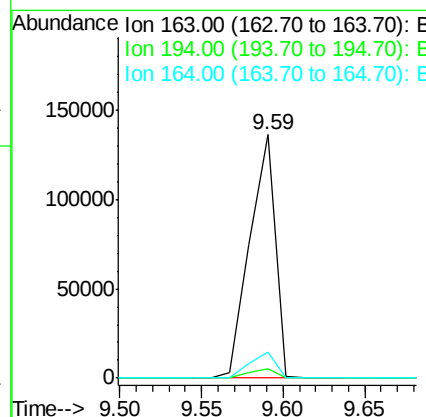
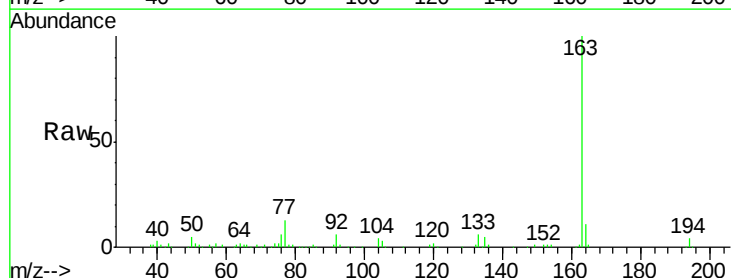
Manual Integrations
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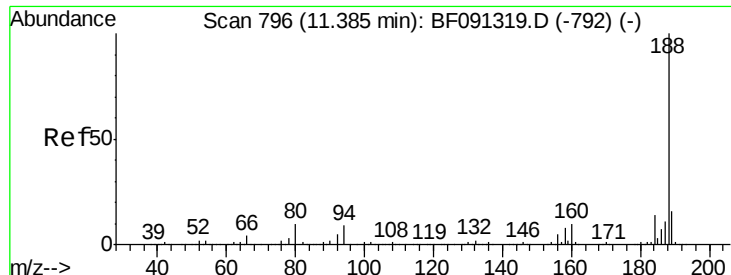
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#49
Dimethylphthalate
Concen: 6.86 ng
RT: 9.59 min Scan# 639
Delta R.T. -0.01 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	4.1	3.0	4.4	
164	10.5	7.8	11.8	





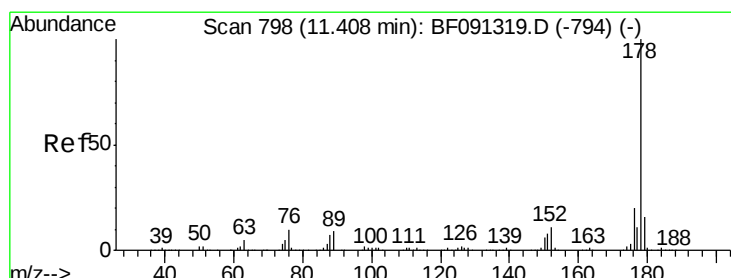
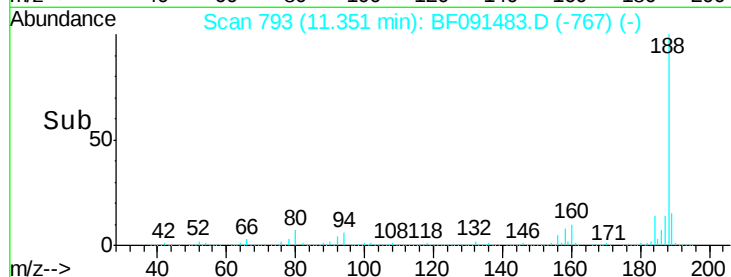
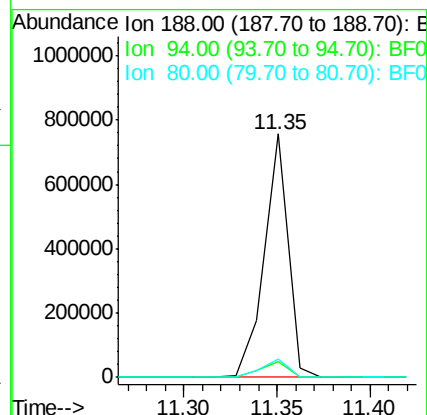
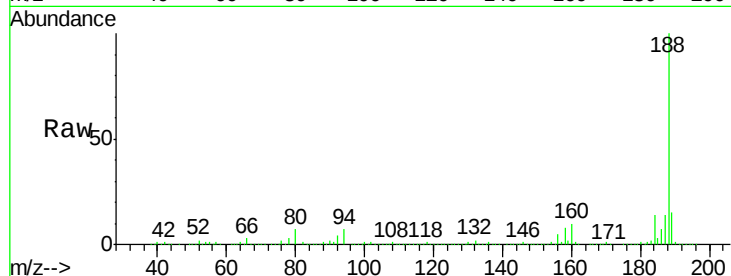
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Instrument :
BNA_F
ClientSampleId :
TP17-18-COMP4

Tot Ion	Ratio	Resp	Lower	Upper
188	100	664674		
94	6.5	9.2	13.8#	
80	7.4	10.5	15.7#	

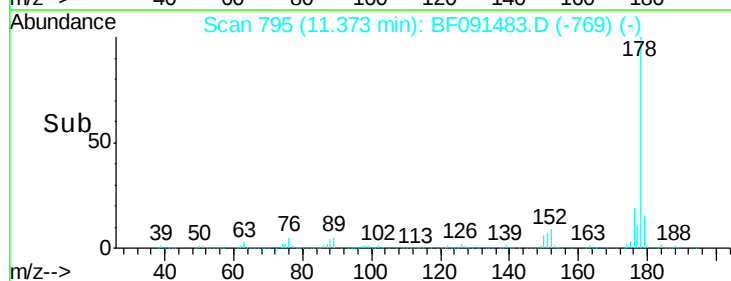
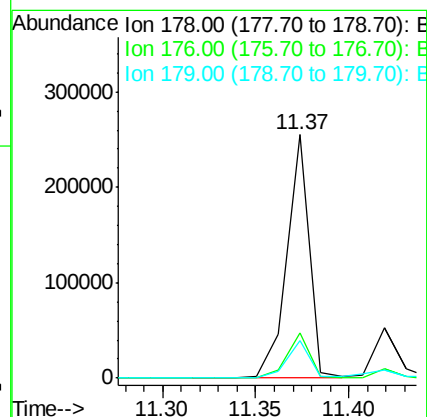
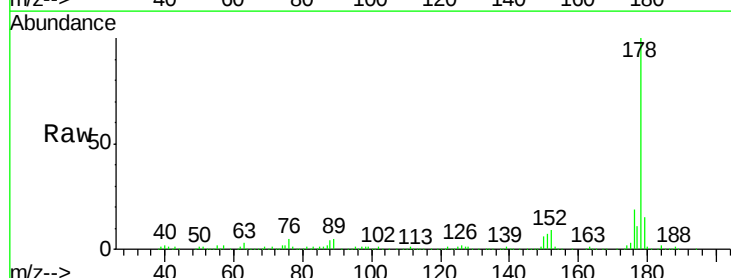
Manual Integrations
APPROVED

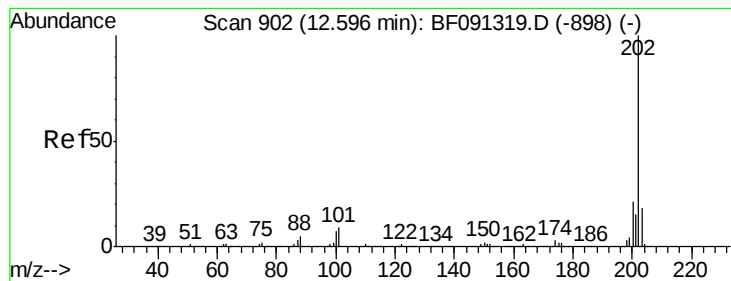
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#70
Phenanthrene
Concen: 6.15 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	212417		
176	18.7	15.9	23.9	
179	15.2	12.6	18.8	





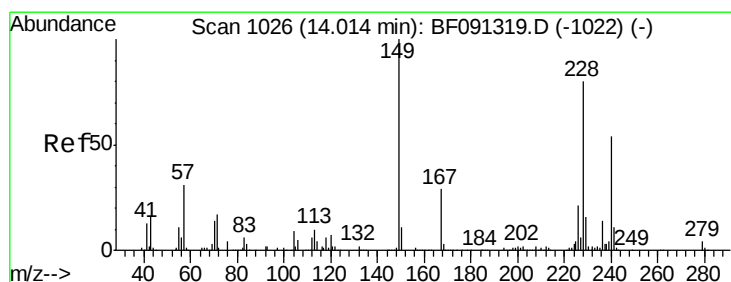
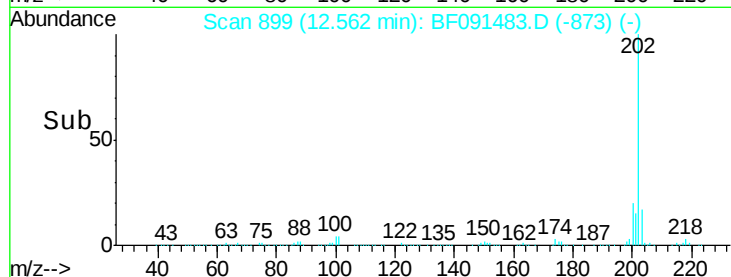
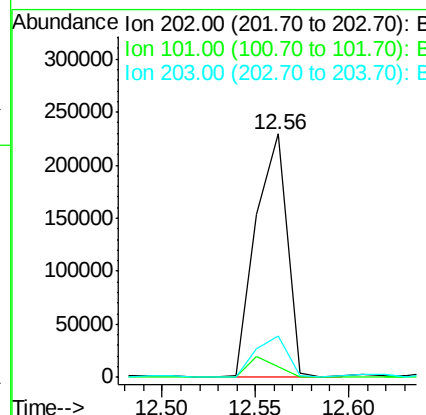
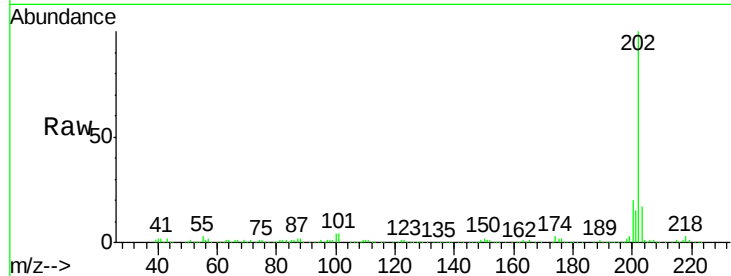
#74
 Fluoranthene
 Concen: 8.13 ng
 RT: 12.56 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF091483.D
 Acq: 7 Dec 2016 21:39

Instrument :
 BNA_F
 ClientSampleId :
 TP17-18-COMP4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	4.5	0.0	29.5
203	16.8	0.0	37.8

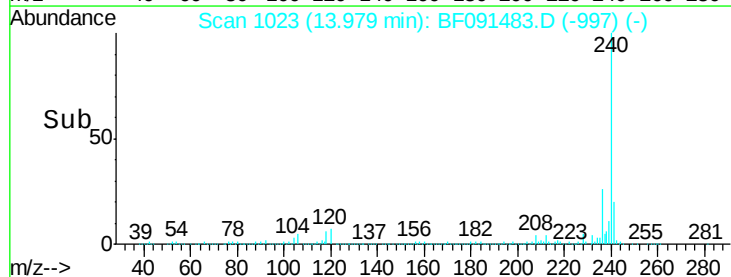
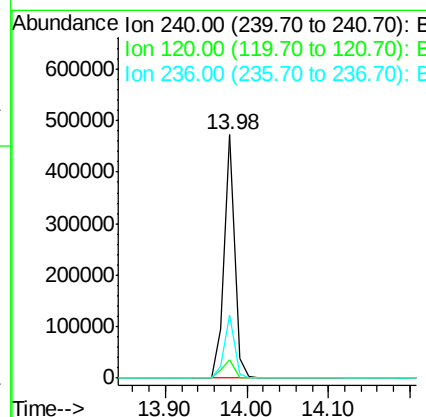
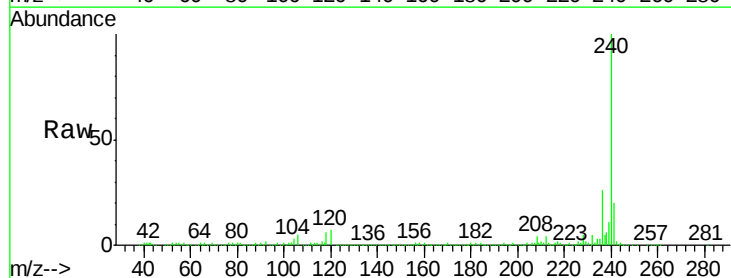
Manual Integrations
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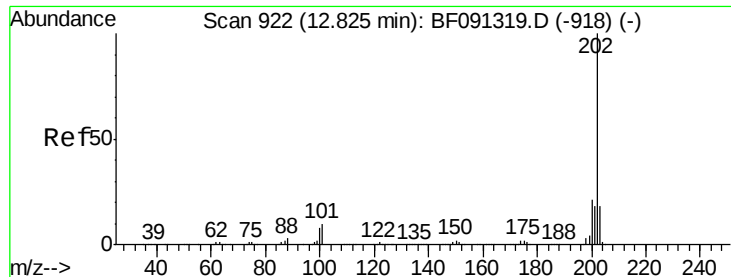
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.98 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BF091483.D
 Acq: 7 Dec 2016 21:39

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	7.3	12.1	18.1#
236	26.0	21.0	31.6





#77

Pvrene

Concen: 8.23 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF091483.D

Acq: 7 Dec 2016 21:39

Instrument :

BNA_F

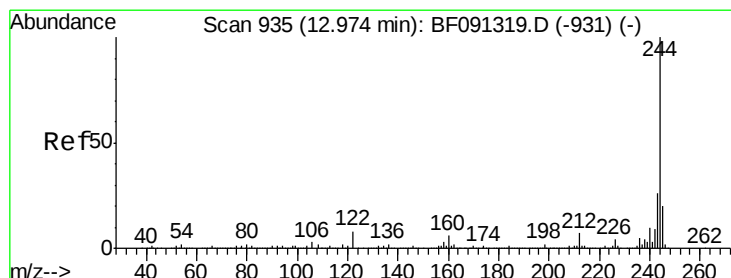
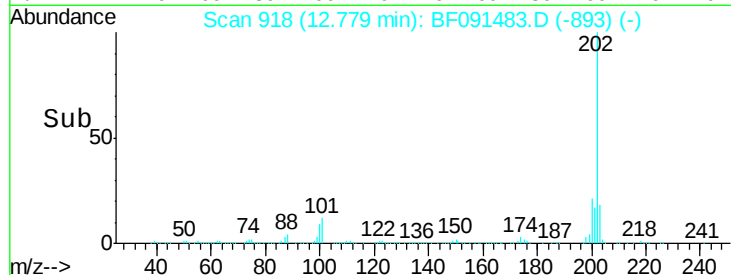
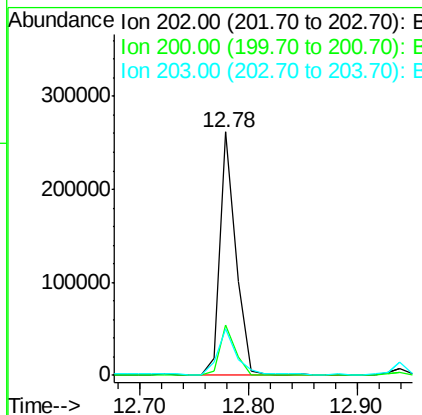
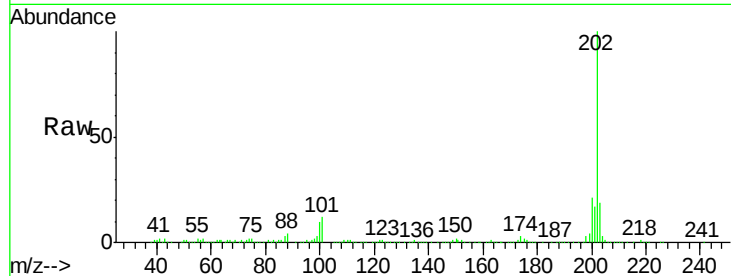
ClientSampleId :

TP17-18-COMP4

Tot Ion:	202	Resp:	265491
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.6	26.4
203	19.0	14.0	21.0

Manual Integrations
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#78

Terphenyl-d14

Concen: 71.72 ng

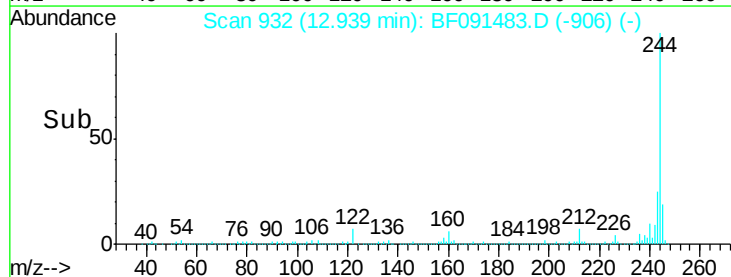
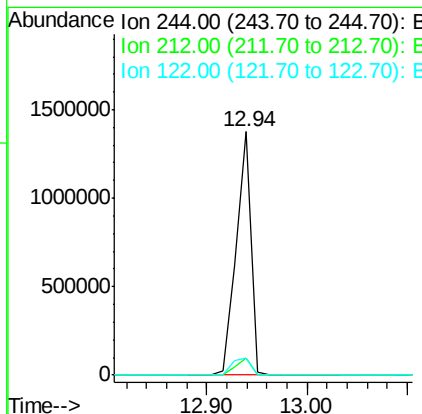
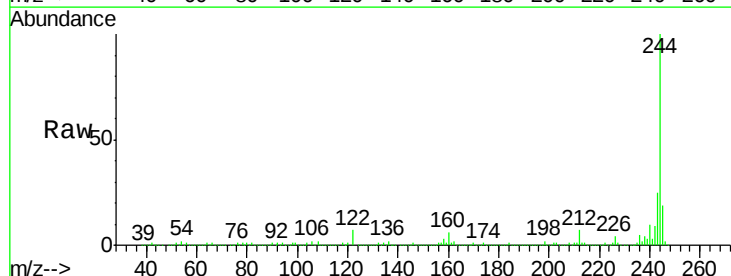
RT: 12.94 min Scan# 932

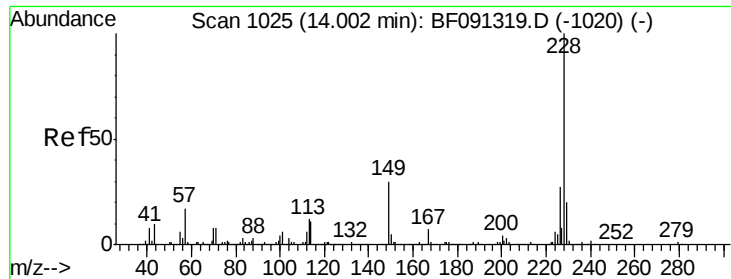
Delta R.T. -0.00 min

Lab File: BF091483.D

Acq: 7 Dec 2016 21:39

Tgt Ion:	244	Resp:	1402439
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.5	9.7
122	7.2	9.5	14.3#





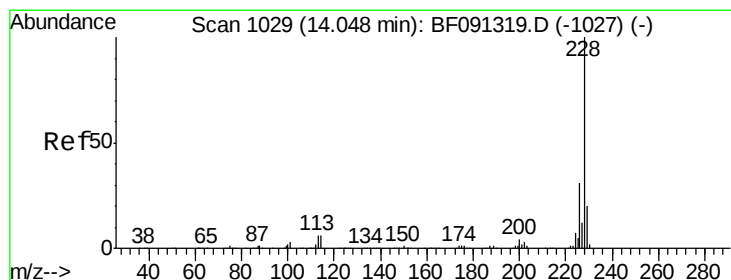
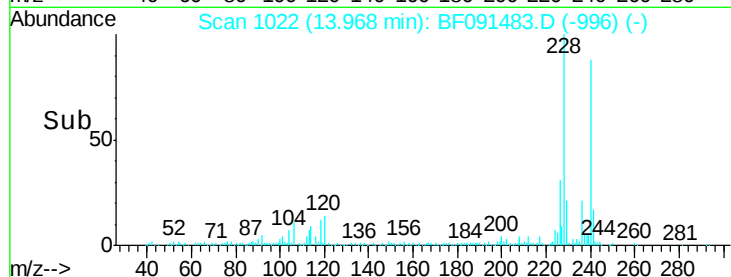
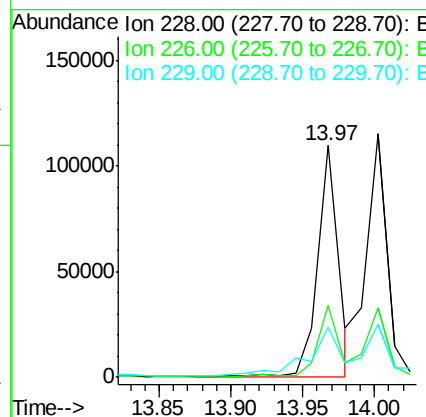
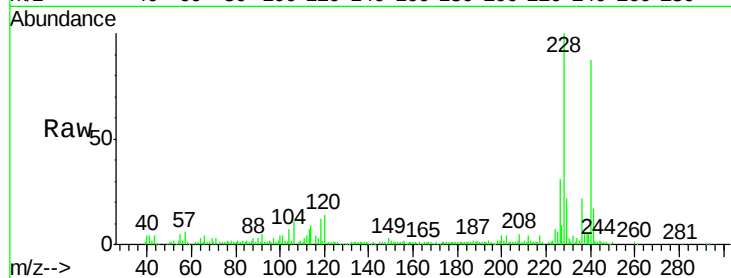
#80
Benzo(a)anthracene
Concen: 4.48 ng m
RT: 13.97 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Instrument :
BNA_F
ClientSampleId :
TP17-18-COMP4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.5	33.7
229	21.7	16.4	24.6

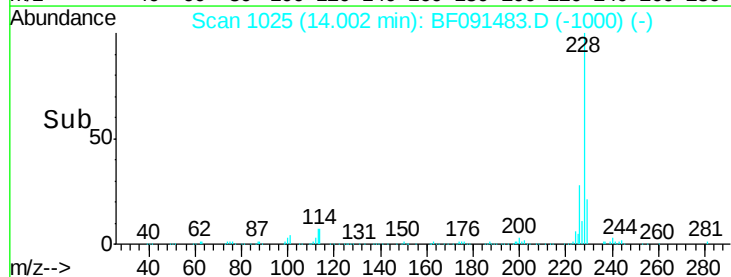
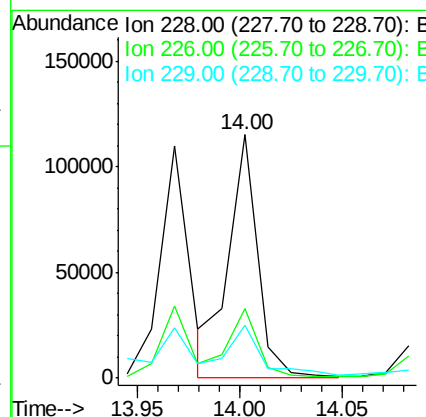
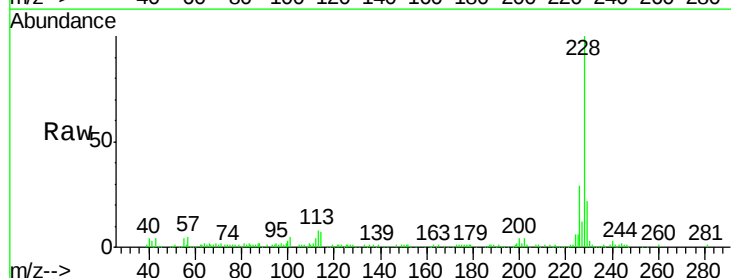
Manual Integrations
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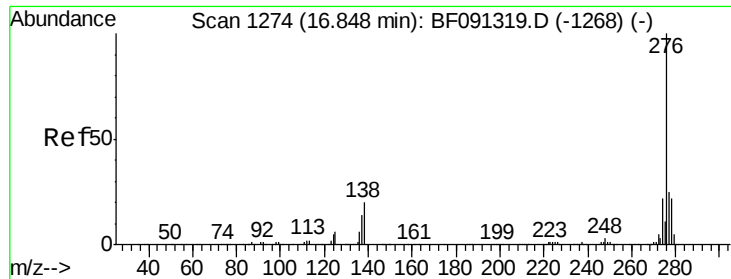
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#82
Chrysene
Concen: 4.69 ng m
RT: 14.00 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.0	37.4
229	22.0	16.0	24.0





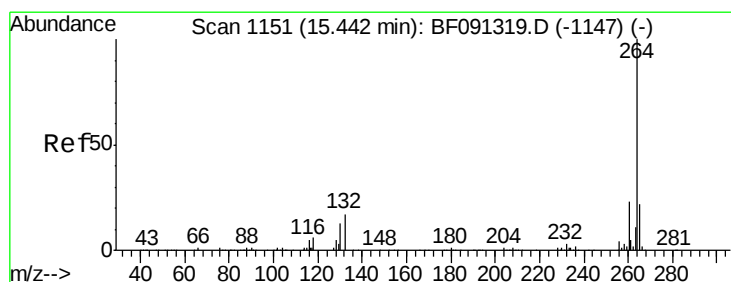
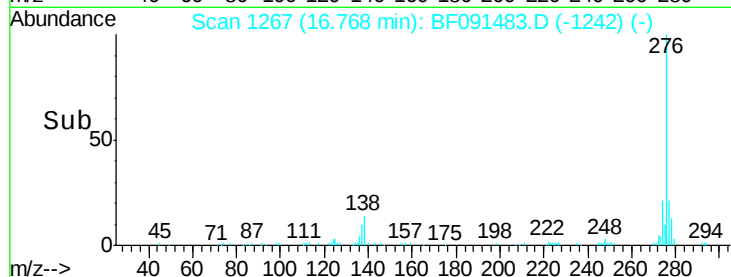
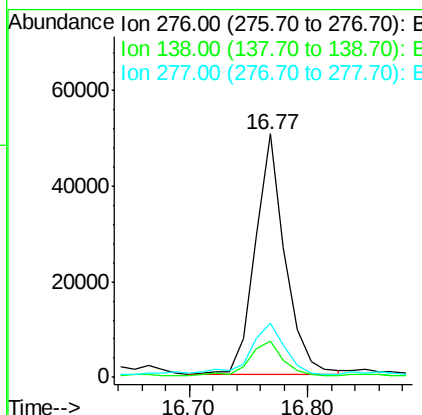
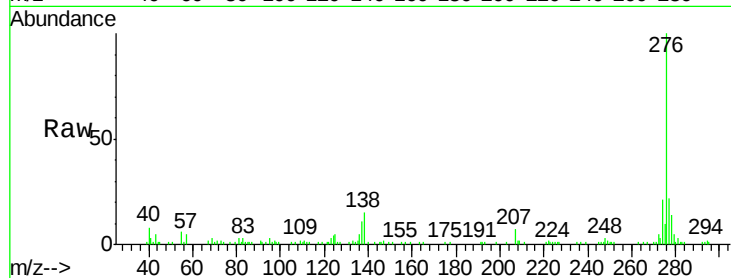
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.95 ng
RT: 16.77 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Instrument :
BNA_F
ClientSampleId :
TP17-18-COMP4

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.7	21.0	31.4#
277	26.3	20.2	30.2

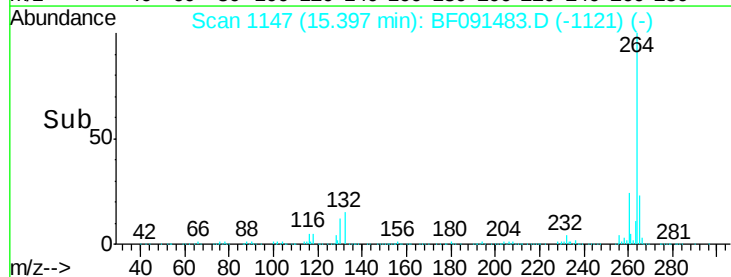
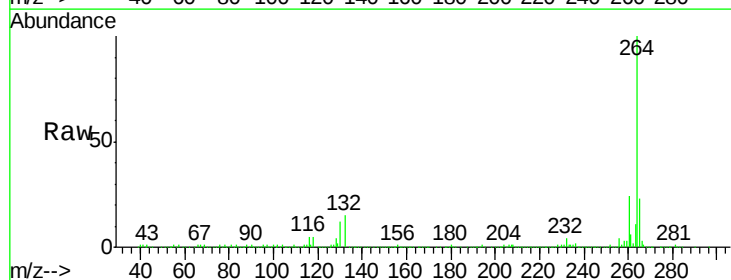
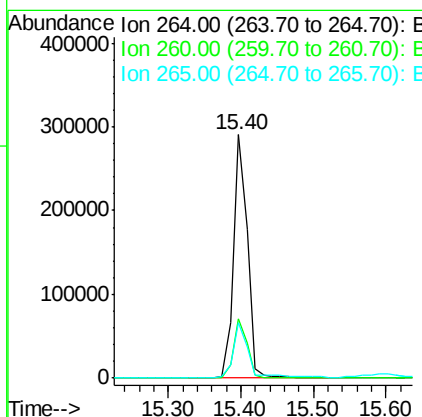
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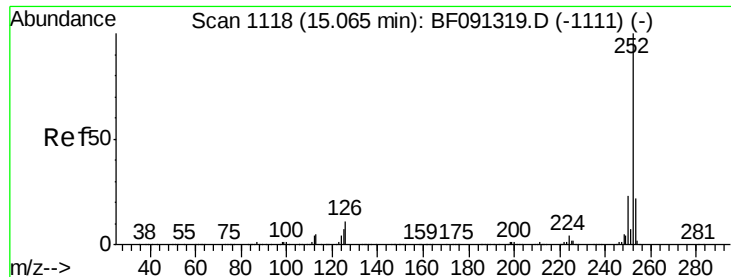
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	22.7	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 6.83 ng m

RT: 15.00 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BF091483.D

Acq: 7 Dec 2016 21:39

Instrument :

BNA_F

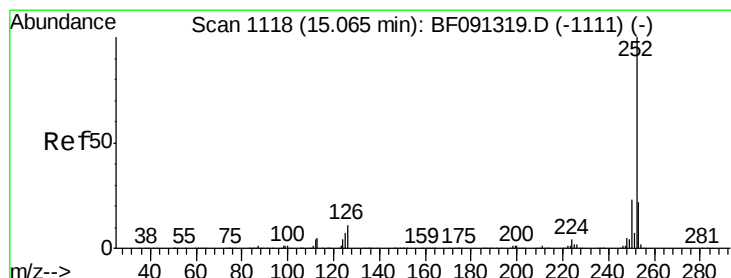
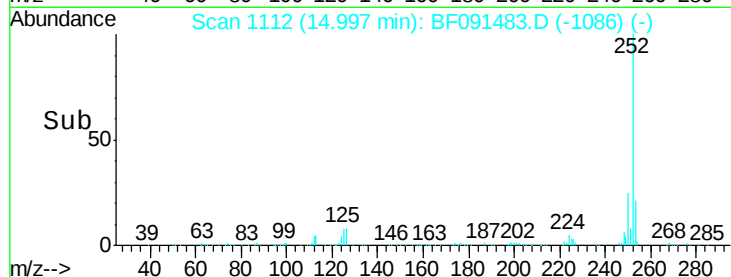
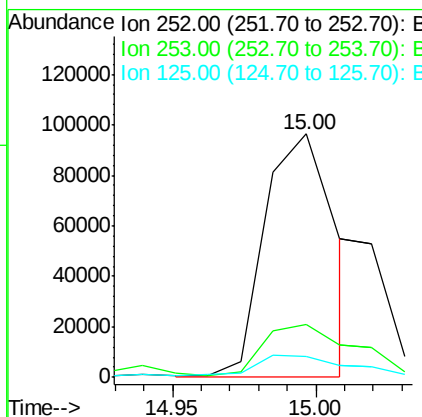
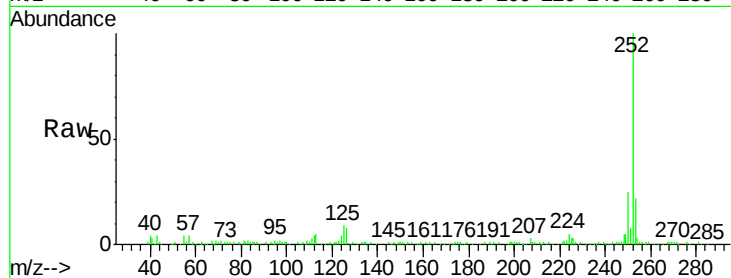
ClientSampleId :

TP17-18-COMP4

Tot Ion:	252	Resp:	164017
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.2	27.2
125	8.6	8.6	13.0#

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#88

Benzo(k)fluoranthene

Concen: 2.31 ng m

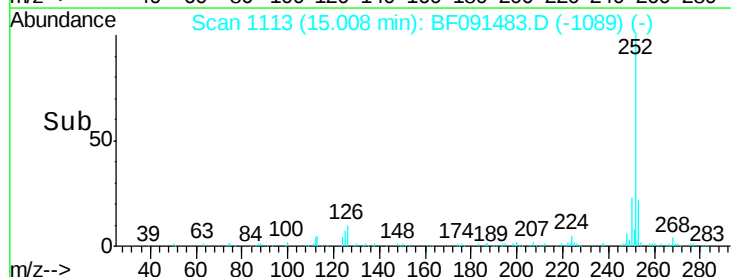
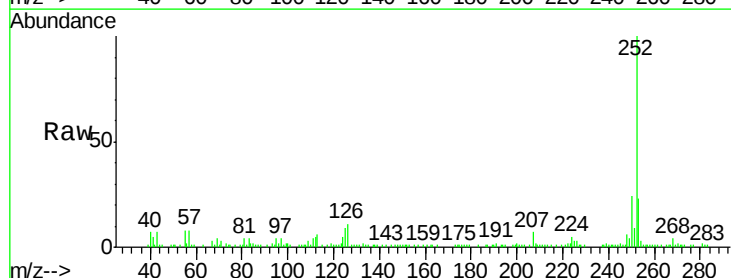
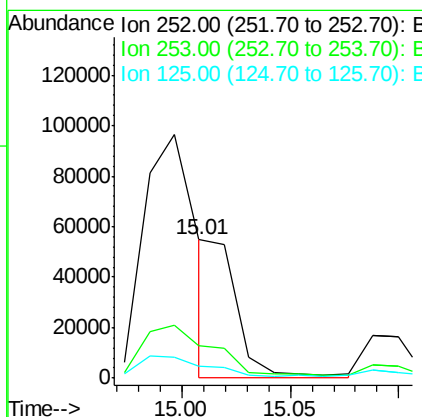
RT: 15.01 min Scan# 1113

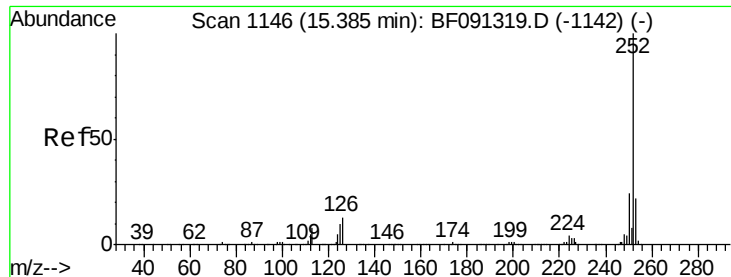
Delta R.T. -0.02 min

Lab File: BF091483.D

Acq: 7 Dec 2016 21:39

Tgt Ion:	252	Resp:	46538
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.8
125	9.1	9.6	14.4#





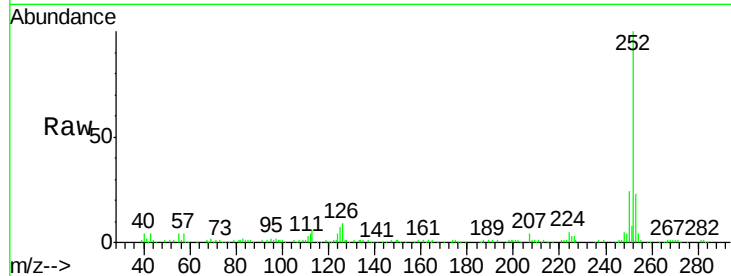
#89
Benzo(a)pyrene
Concen: 5.89 ng/ml
RT: 15.34 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Instrument :
BNA_F
ClientSampleId :
TP17-18-COMP4

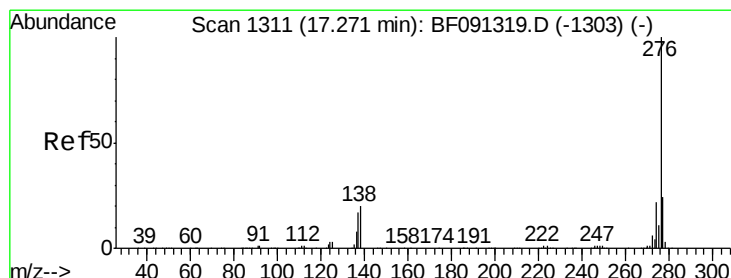
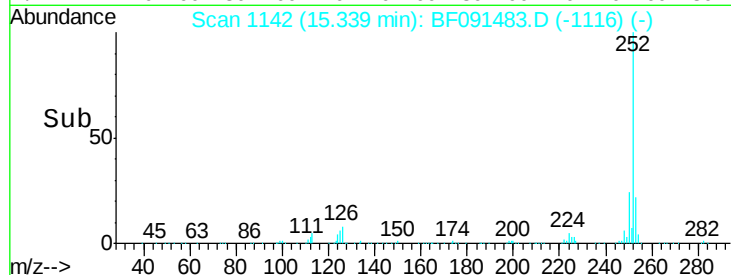
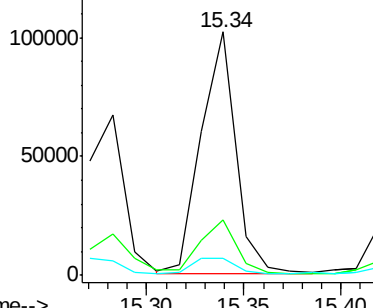
Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.5	18.2	27.4
125	6.9	10.4	15.6

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.56 ng/ml
RT: 17.18 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF091483.D
Acq: 7 Dec 2016 21:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.4	19.0	28.4
138	17.5	15.4	23.0

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

