

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
 Data File : BF090657.D
 Acq On : 19 Oct 2016 19:38
 Operator : UM/SJ
 Sample : H5304-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-TP

Manual Integrations
 APPROVED

Sohil
 10/20/2016 10:36:53 AM

Quant Time: Oct 20 01:46:42 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 19 15:13:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	239263	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	975195	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	482818	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	705253	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	571545	20.00	ng	0.00
86) Perylene-d12	15.52	264	562363	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	987014	75.63	ng	0.00
7) Phenol-d6	6.52	99	1245688	64.23	ng	-0.01
23) Nitrobenzene-d5	7.45	82	824490	46.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	244594	56.82	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1411990	48.19	ng	-0.01
78) Terphenyl-d14	13.00	244	979052	39.89	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.53	94	50027	2.26	ng	84
48) Acenaphthylene	9.79	152	130409	2.99	ng	98
49) Dimethylphthalate	9.64	163	210677	6.73	ng	99
70) Phenanthrene	11.43	178	427681	11.36	ng	99
71) Anthracene	11.49	178	135276	3.34	ng	99
74) Fluoranthene	12.63	202	1113957	29.42	ng	96
77) Pyrene	12.86	202	1101041	29.09	ng	99
80) Benzo(a)anthracene	14.05	228	549766m	16.90	ng	
82) Chrysene	14.09	228	507797m	16.20	ng	
85) Indeno(1,2,3-cd)pyrene	16.96	276	342683	18.91	ng	92
87) Benzo(b)fluoranthene	15.09	252	859589m	23.36	ng	
88) Benzo(k)fluoranthene	15.12	252	211693m	5.35	ng	
89) Benzo(a)pyrene	15.46	252	559148m	16.60	ng	
90) Dibenzo(a,h)anthracene	16.96	278	65602	2.55	ng	# 72
91) Benzo(a,h,i)perylene	17.39	276	329141	13.44	ng	98

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

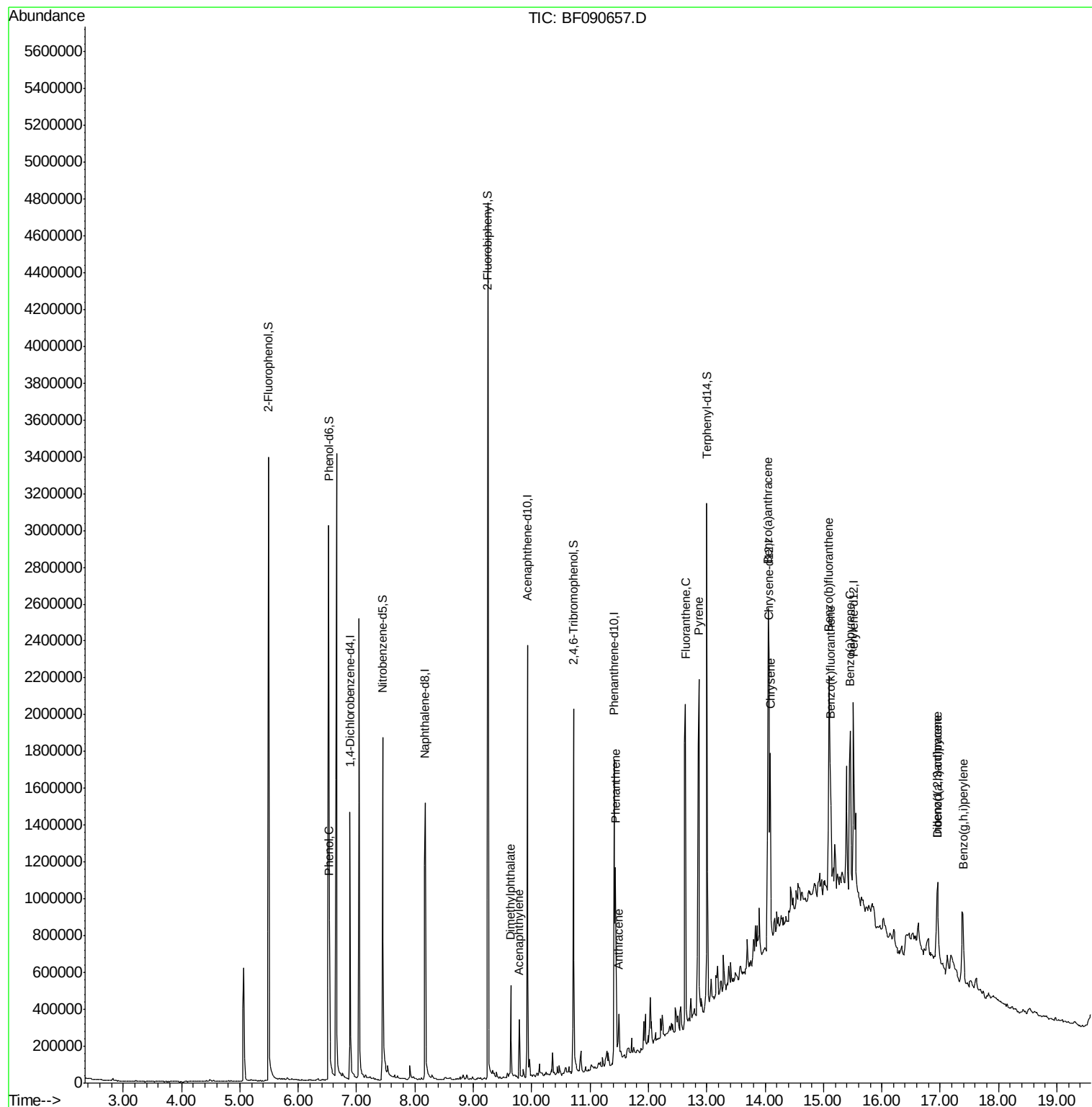
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
Data File : BF090657.D
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ALS Vial : 16 Sample Multiplier: 1

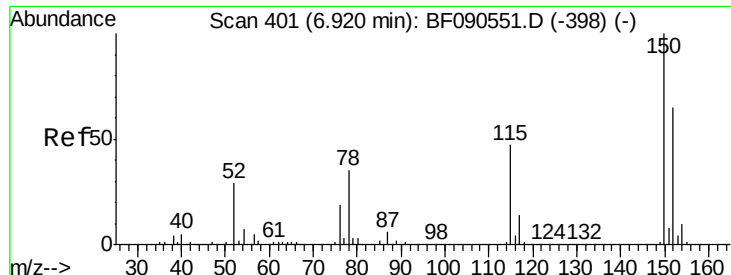
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

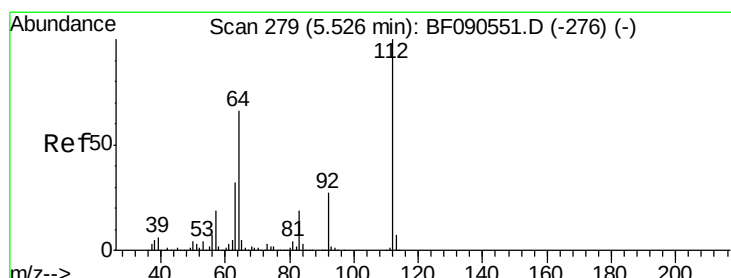
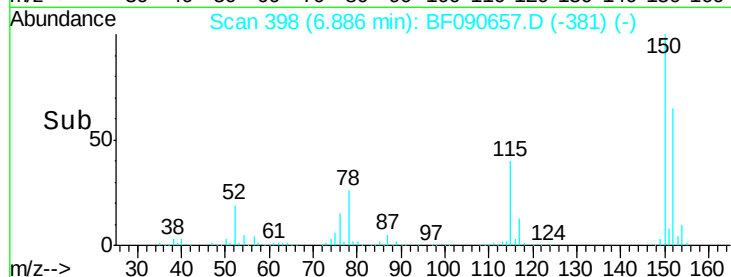
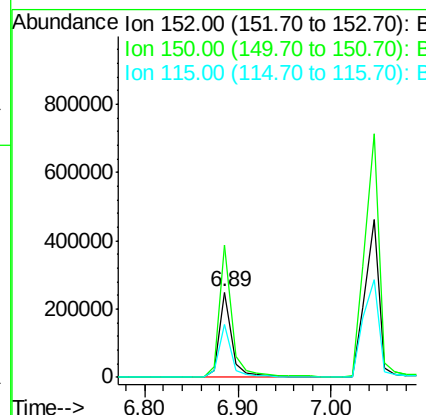
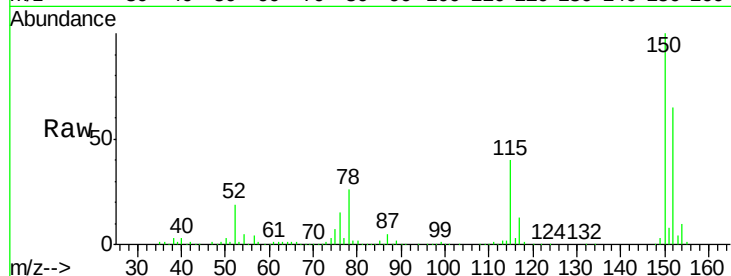
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 398
Delta R.T. -0.00 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Instrument :
BNA_F
ClientSampleId :
COMP-TP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	127.2	190.8
115	62.0	58.6	88.0

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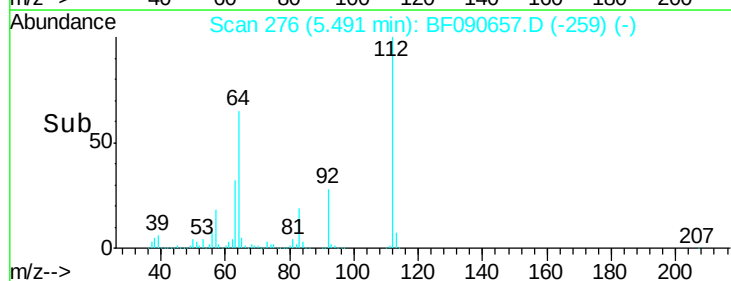
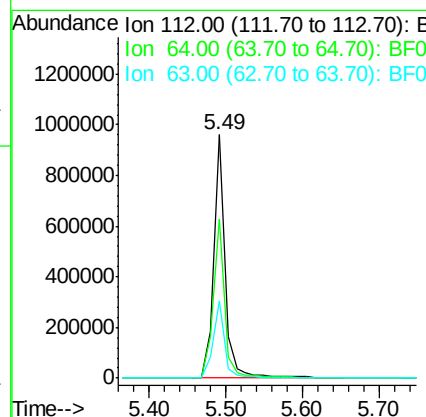
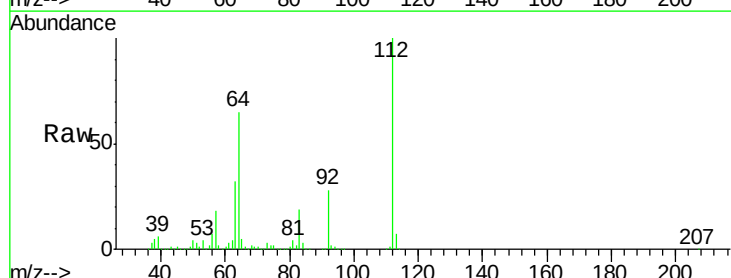
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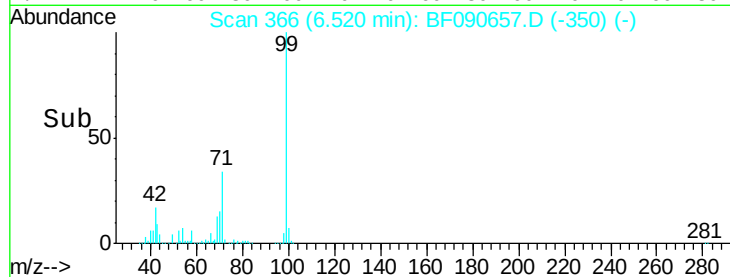
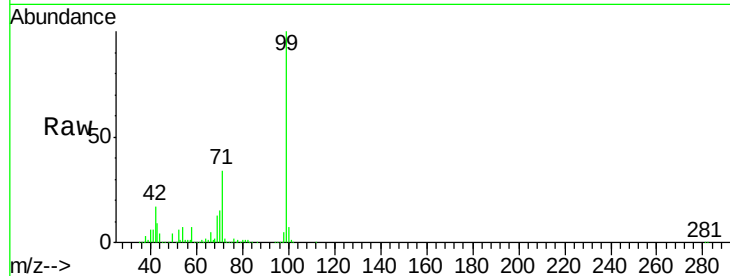
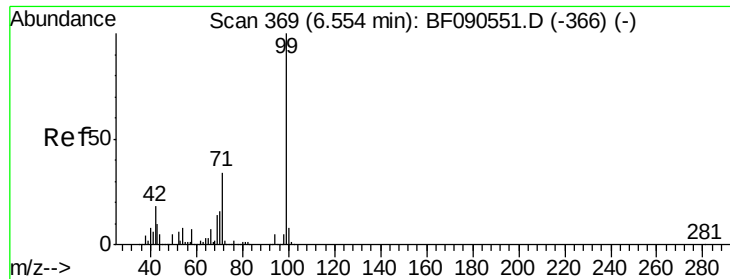


#5

2-Fluorophenol
Concen: 75.63 ng
RT: 5.49 min Scan# 276
Delta R.T. -0.00 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	52.6	78.8
63	31.6	26.0	39.0





#7

Phenol-d6

Concen: 64.23 ng

RT: 6.52 min Scan# 366

Delta R.T. -0.01 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Tot Ion: 99 Resp: 1245688

Ion Ratio Lower Upper

99 100

42 16.7 14.7 22.1

71 33.8 27.6 41.4

Instrument :

BNA_F

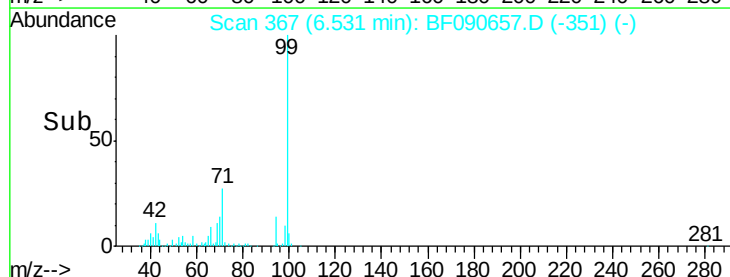
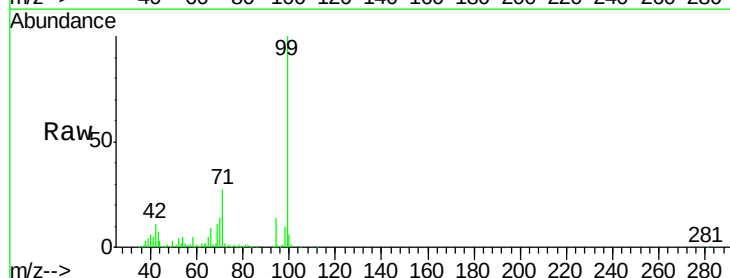
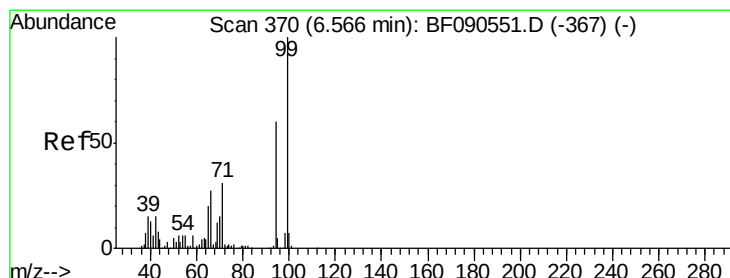
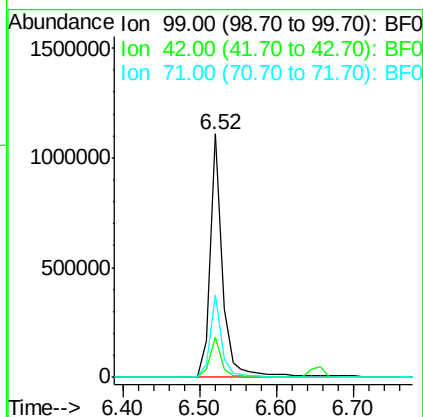
ClientSampled :

COMP-TP

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#10

Phenol

Concen: 2.26 ng

RT: 6.53 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

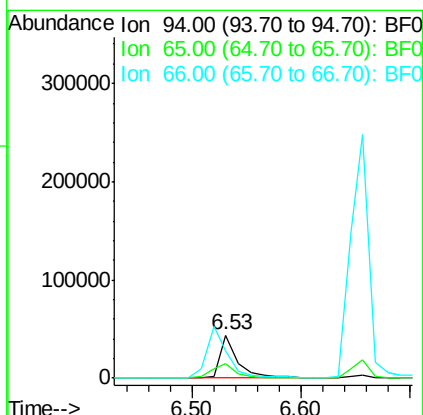
Tgt Ion: 94 Resp: 50027

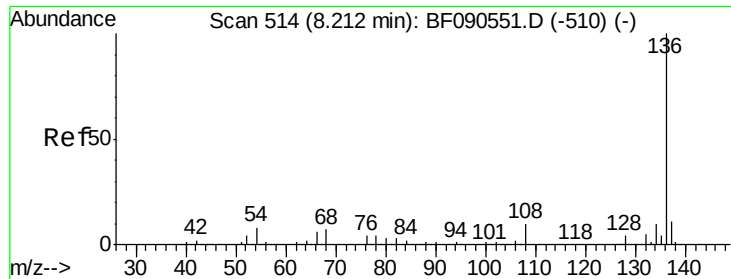
Ion Ratio Lower Upper

94 100

65 33.5 12.5 52.5

66 62.8 25.5 65.5





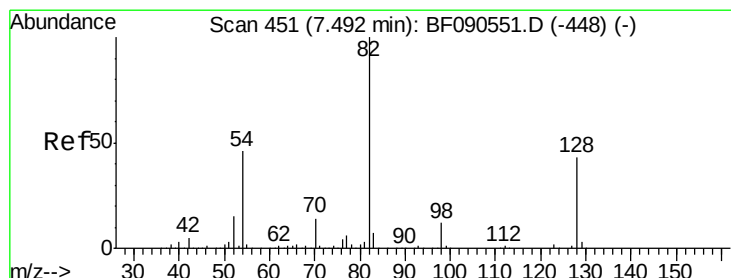
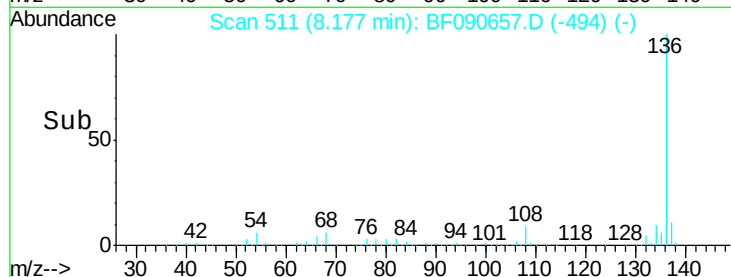
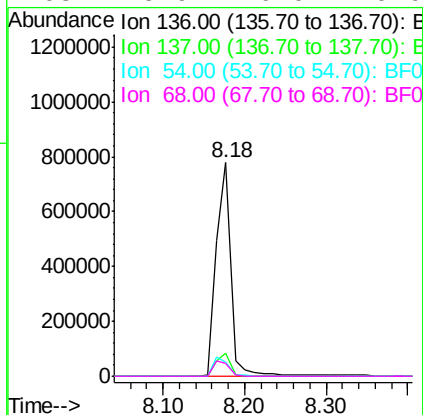
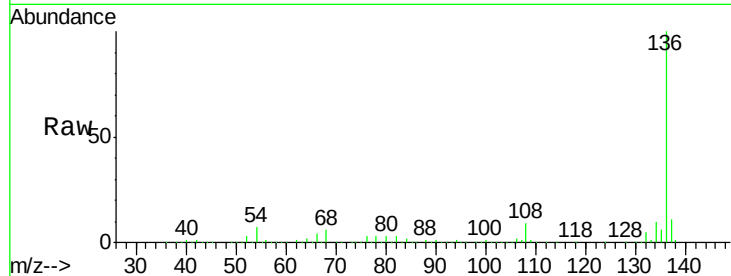
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 511
Delta R.T. -0.00 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Instrument :
BNA_F
ClientSampleId :
COMP-TP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		975195		
137	10.8		8.8	13.2	
54	6.5		6.8	10.2	
68	5.9		6.0	9.0	

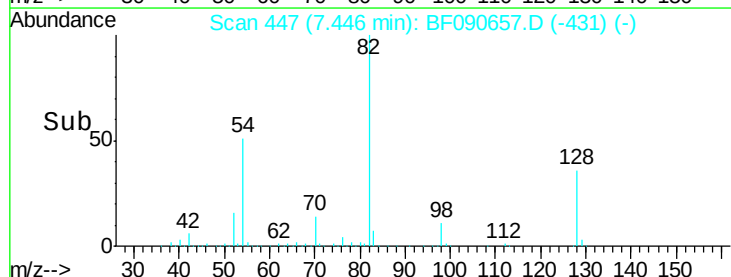
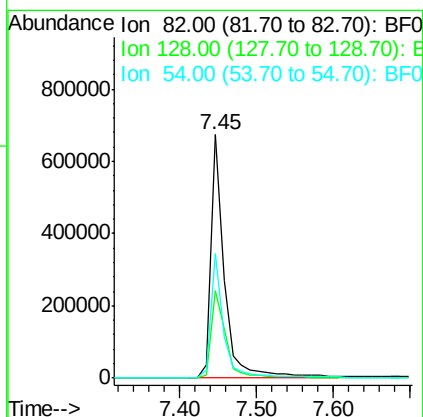
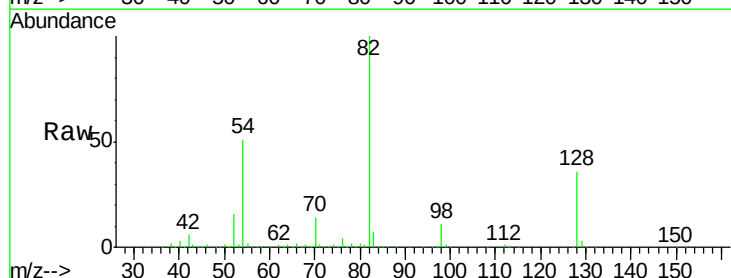
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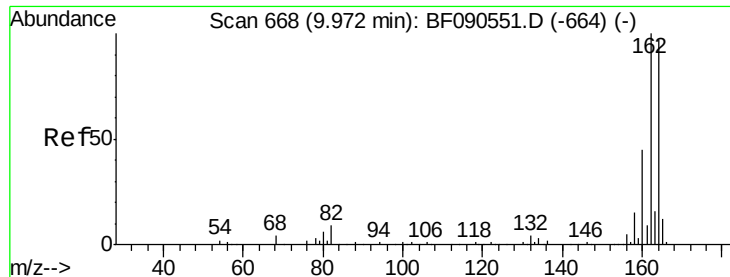
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#23
Nitrobenzene-d5
Concen: 46.97 ng
RT: 7.45 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		824490		
128	35.9		34.3	51.5	
54	50.9		37.0	55.6	





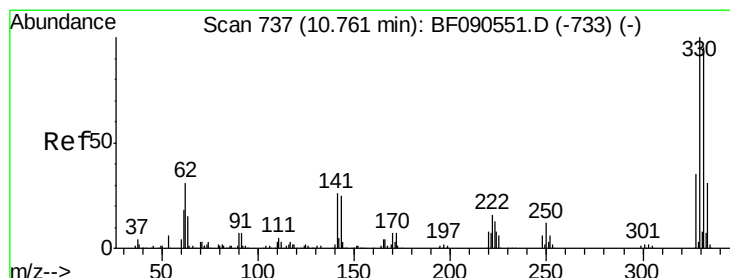
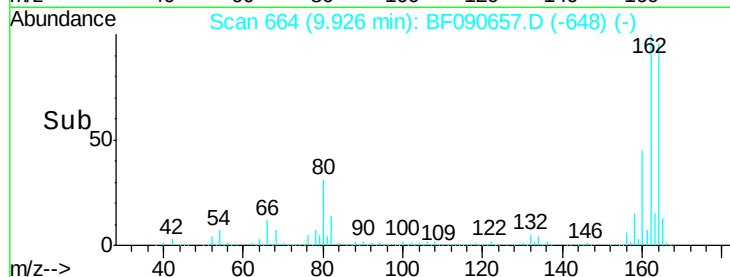
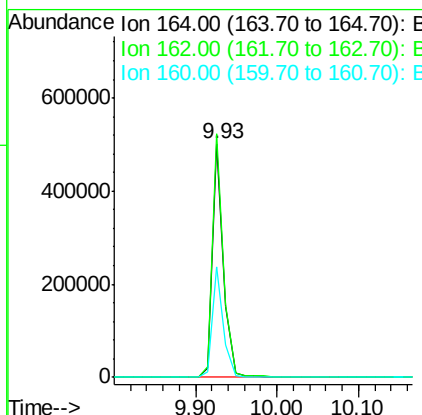
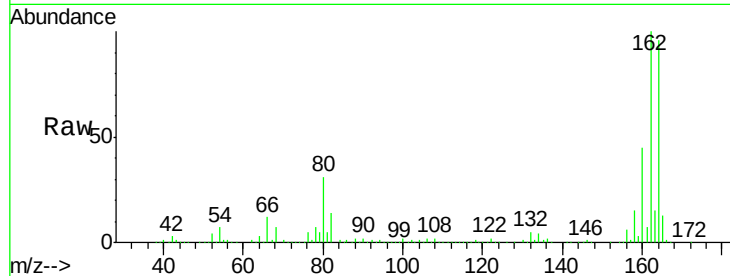
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 664
 Delta R.T. -0.01 min
 Lab File: BF090657.D
 Acq: 19 Oct 2016 19:38

Instrument :
 BNA_F
 ClientSampleId :
 COMP-TP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.2	82.2	123.4	
160	47.2	36.6	55.0	

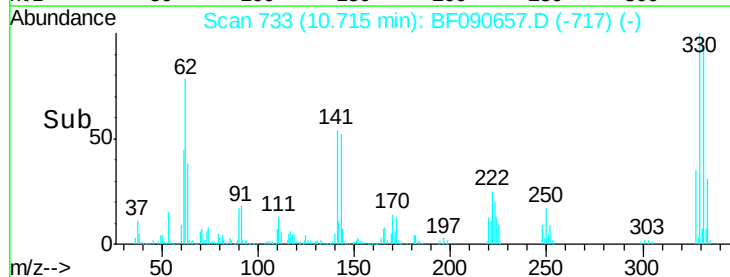
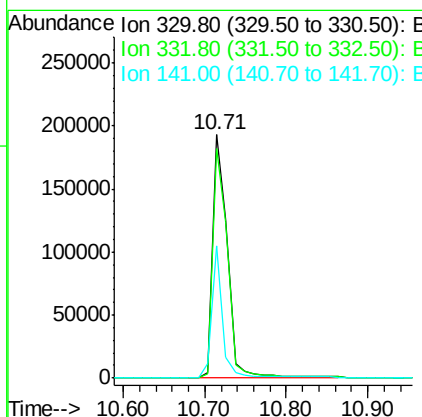
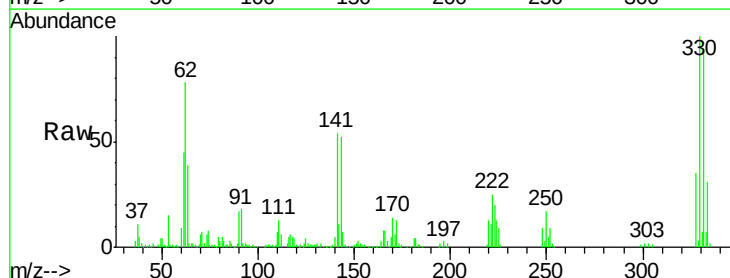
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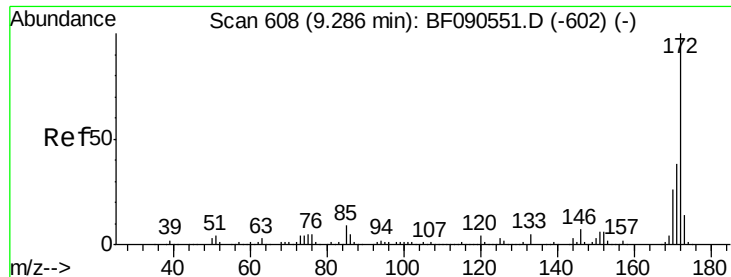
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#41
 2,4,6-Tribromophenol
 Concen: 56.82 ng
 RT: 10.71 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: BF090657.D
 Acq: 19 Oct 2016 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	76.2	114.2	
141	40.1	31.4	47.2	





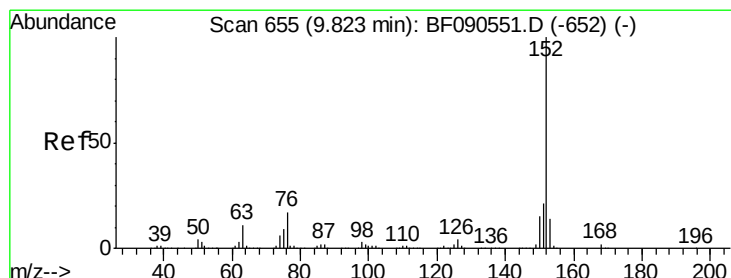
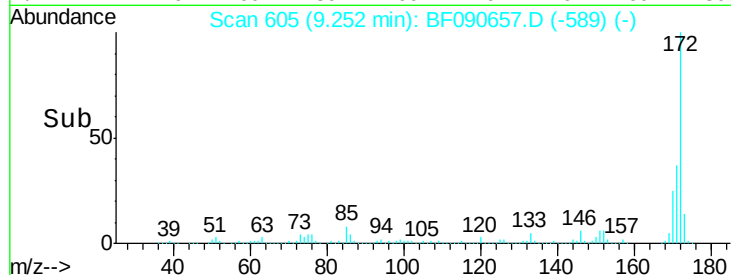
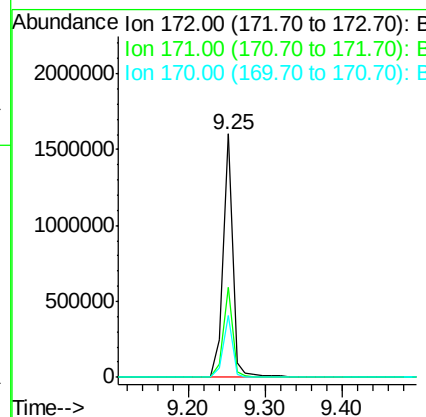
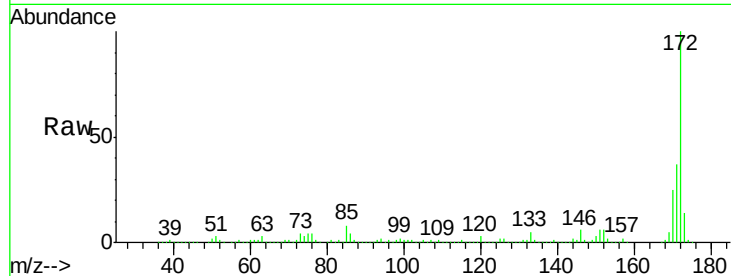
#44
2-Fluorobiphenyl
Concen: 48.19 ng
RT: 9.25 min Scan# 605
Delta R.T. -0.01 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Instrument :
BNA_F
ClientSampleId :
COMP-TP

Tot Ion:172 Resp: 1411990
Ion Ratio Lower Upper
172 100
171 36.9 30.1 45.1
170 25.2 20.6 30.8

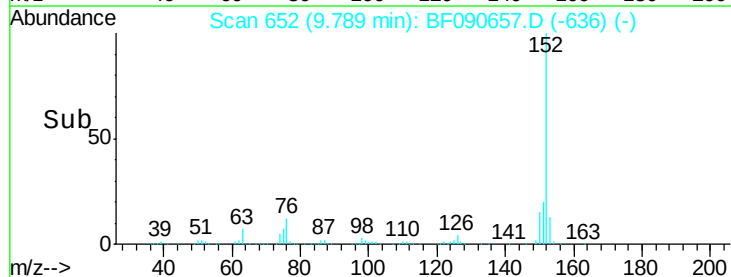
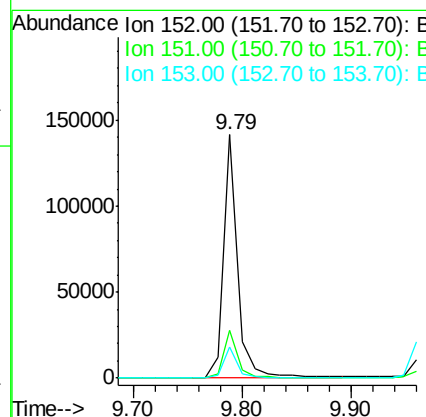
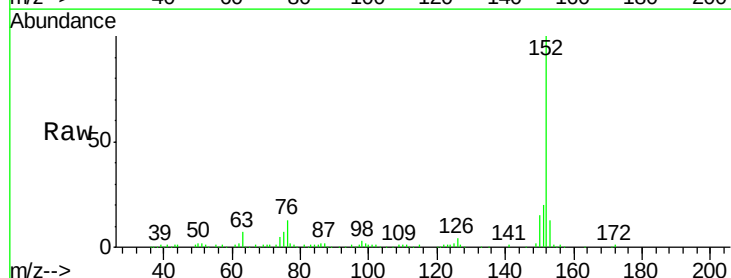
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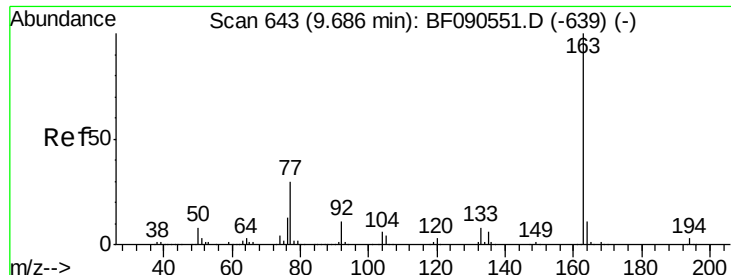
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#48
Acenaphthylene
Concen: 2.99 ng
RT: 9.79 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Tgt Ion:152 Resp: 130409
Ion Ratio Lower Upper
152 100
151 19.7 16.6 25.0
153 13.1 11.3 16.9





#49

Dimethylphthalate

Concen: 6.73 ng

RT: 9.64 min Scan# 639

Delta R.T. -0.02 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

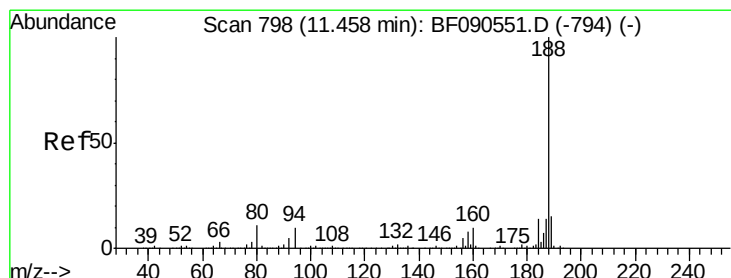
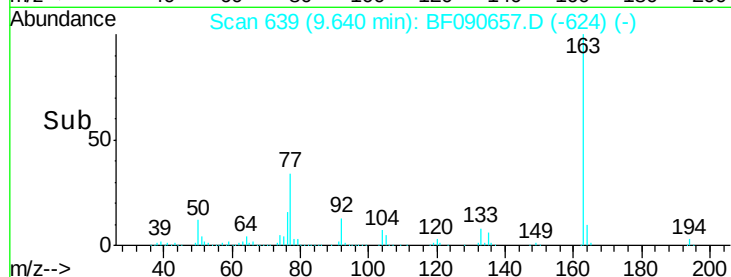
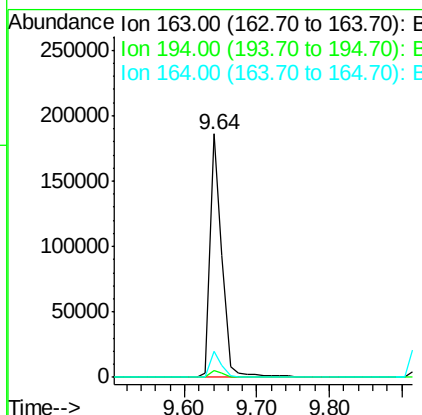
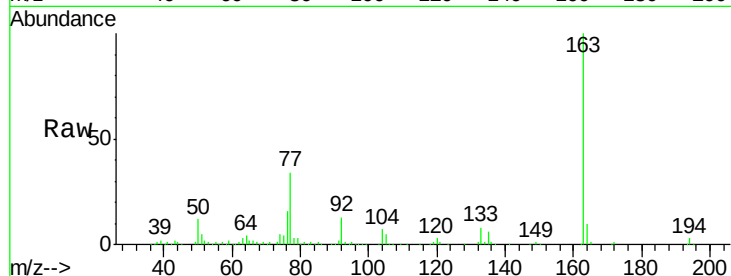
ClientSampleID :

COMP-TP

Tot Ion:	163	Resp:	210677
Ion Ratio	Lower	Upper	
163	100		
194	2.8	2.3	3.5
164	10.5	8.6	13.0

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#63

Phenanthrene-d10

Concen: 20.00 ng

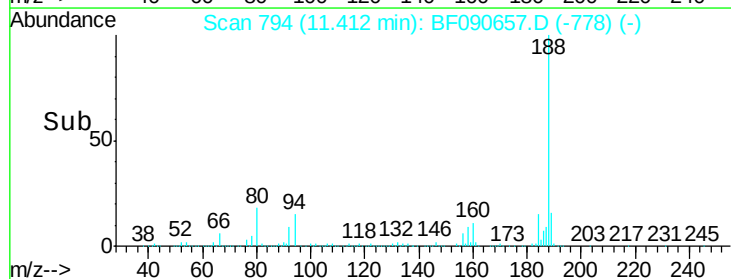
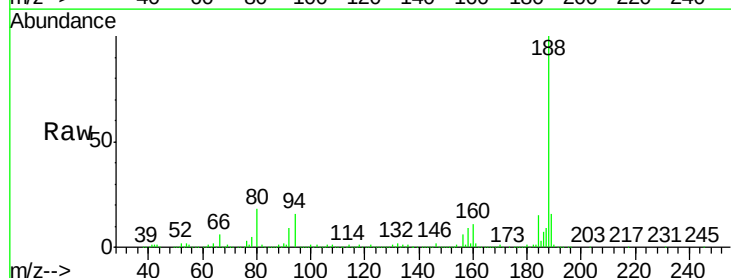
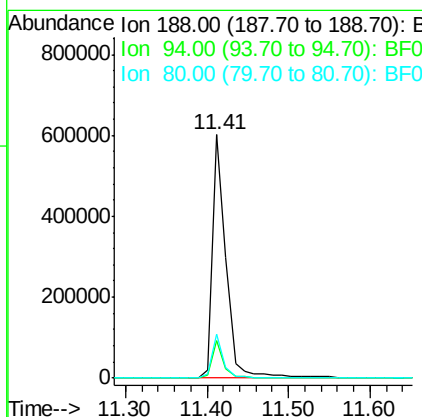
RT: 11.41 min Scan# 794

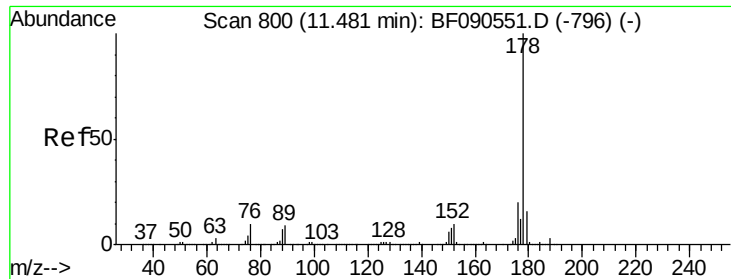
Delta R.T. -0.01 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Tgt Ion:	188	Resp:	705253
Ion Ratio	Lower	Upper	
188	100		
94	15.6	7.7	11.5#
80	18.1	8.6	12.8#





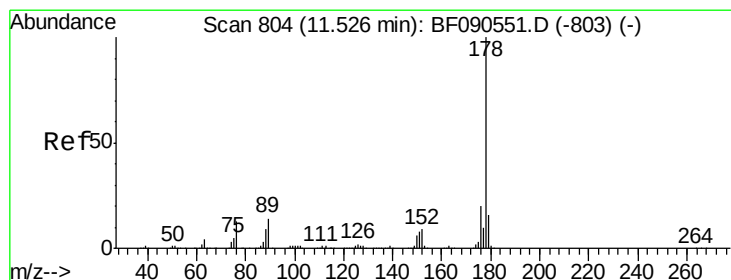
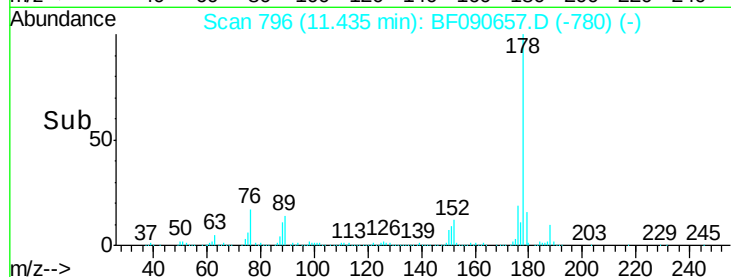
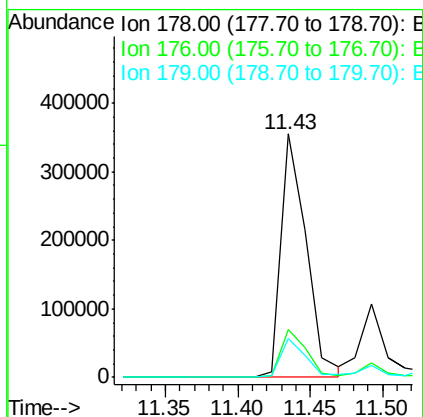
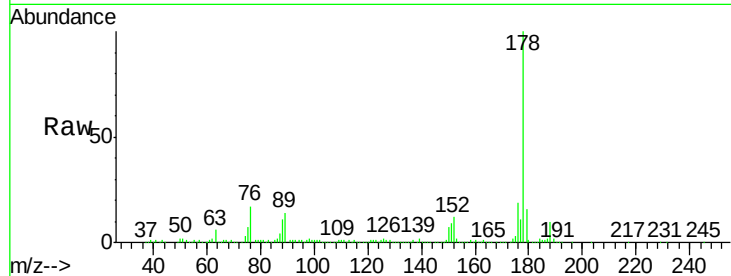
#70
Phenanthrene
Concen: 11.36 ng
RT: 11.43 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Instrument :
BNA_F
ClientSampleId :
COMP-TP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.1	24.1
179	15.7	12.6	19.0

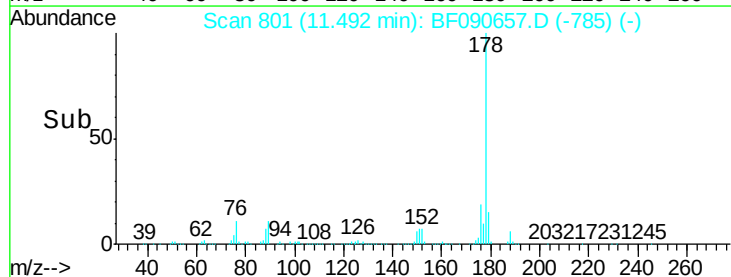
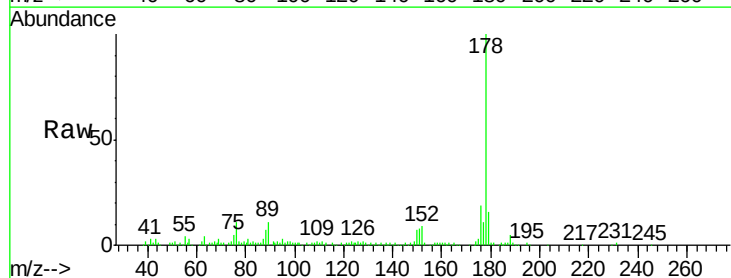
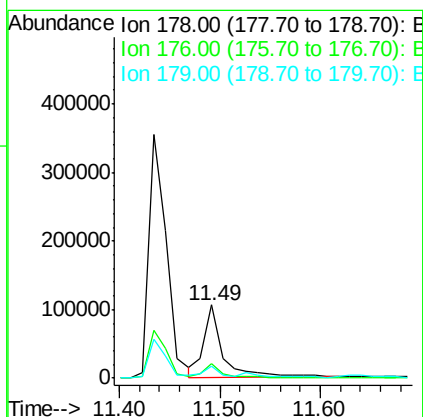
Manual Integrations
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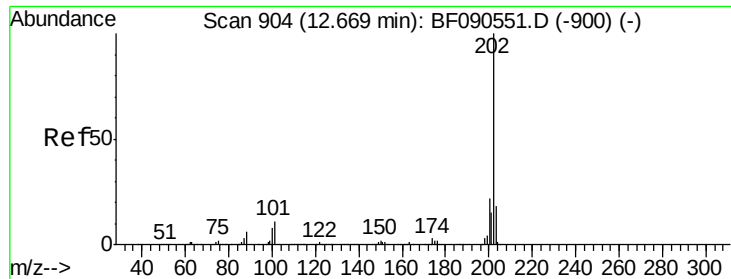
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#71
Anthracene
Concen: 3.34 ng
RT: 11.49 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.7	13.0	19.4





#74

Fluoranthene

Concen: 29.42 ng

RT: 12.63 min Scan# 901

Delta R.T. -0.00 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

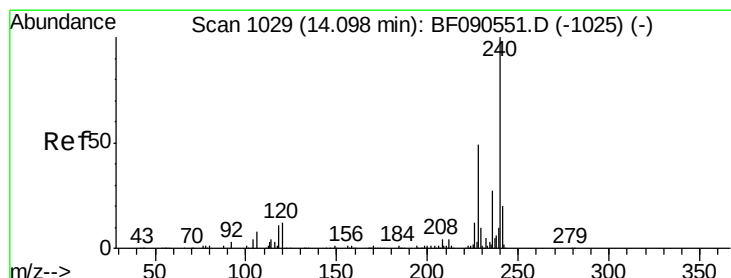
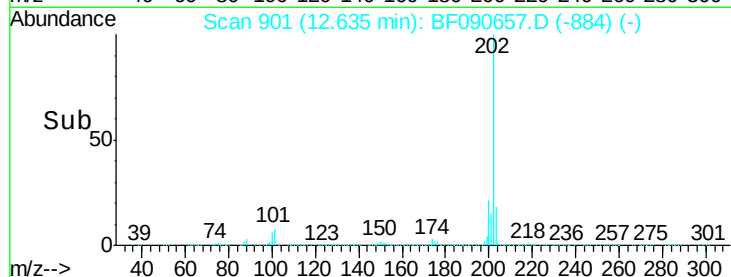
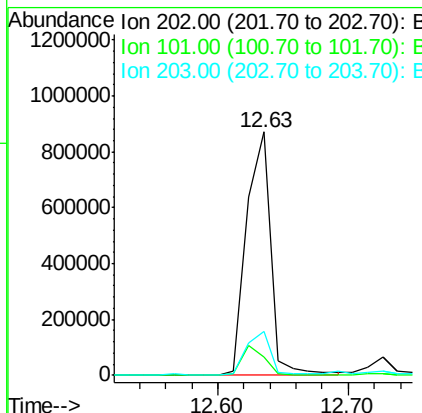
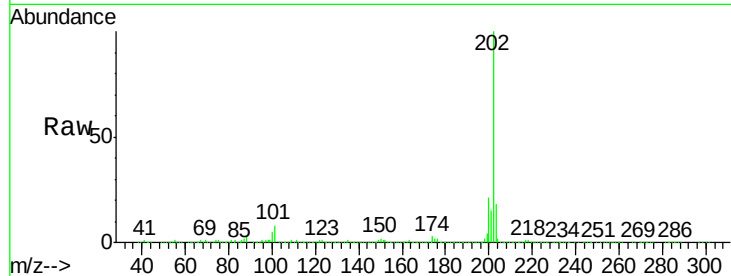
ClientSampled :

COMP-TP

Tot Ion:	202	Resp:	1113957
Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	31.1
203	18.0	0.0	38.0

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#75

Chrysene-d12

Concen: 20.00 ng

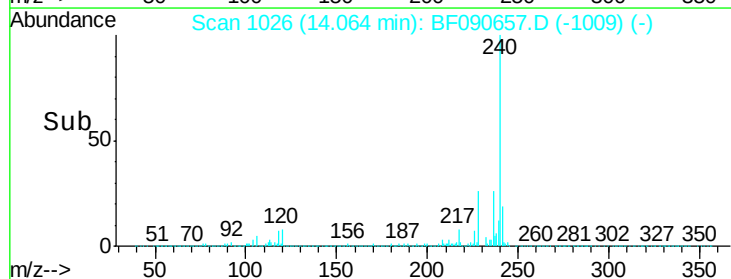
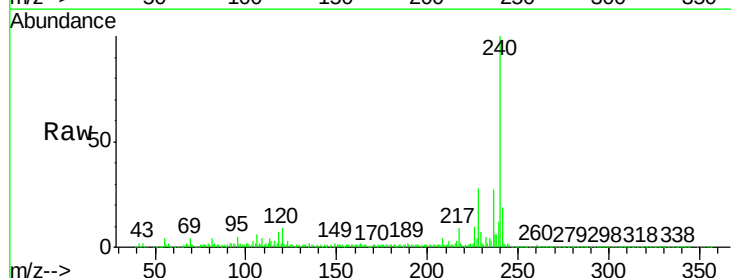
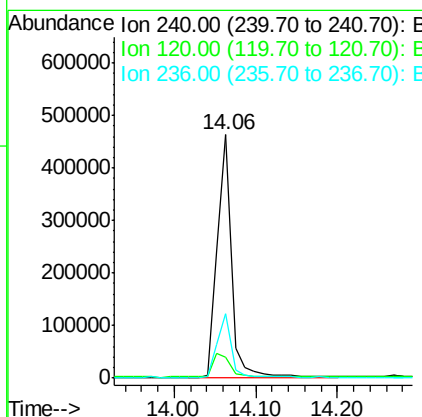
RT: 14.06 min Scan# 1026

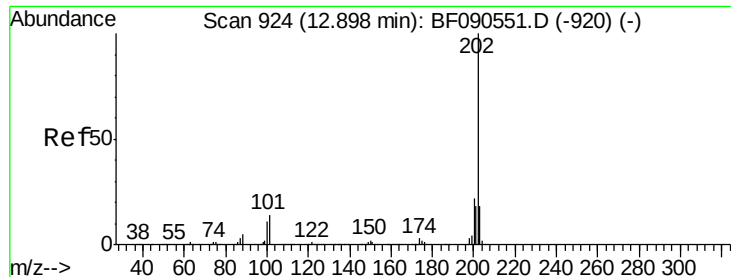
Delta R.T. -0.00 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Tgt Ion:	240	Resp:	571545
Ion	Ratio	Lower	Upper
240	100		
120	8.6	9.8	14.8#
236	26.5	21.7	32.5





#77

Pvrene

Concen: 29.09 ng

RT: 12.86 min Scan# 921

Delta R.T. -0.00 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

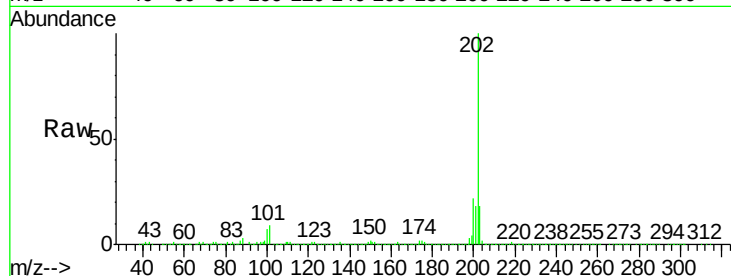
ClientSampleId :

COMP-TP

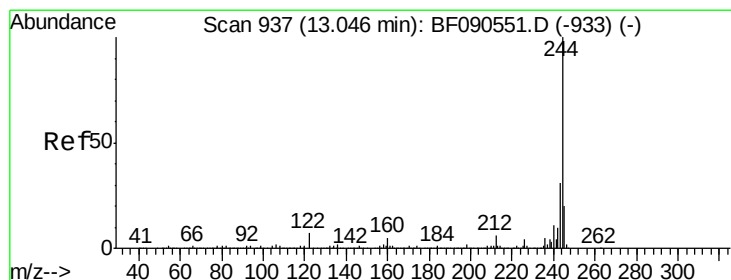
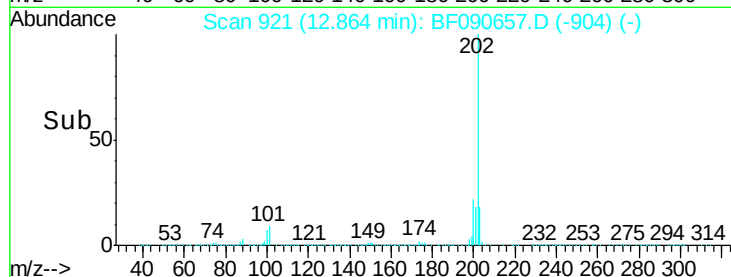
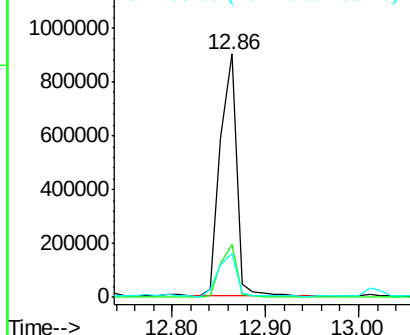
Tot Ion:	202	Resp:	1101041
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.6
203	18.0	14.6	21.8

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



#78

Terphenyl-d14

Concen: 39.89 ng

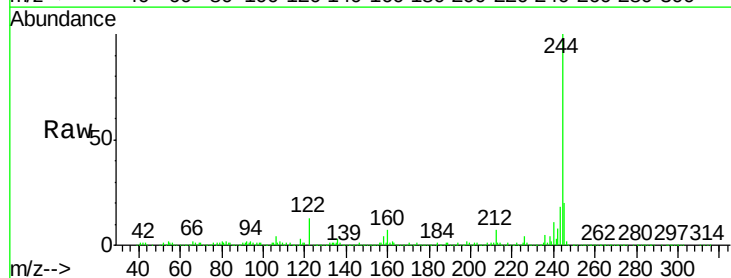
RT: 13.00 min Scan# 933

Delta R.T. -0.01 min

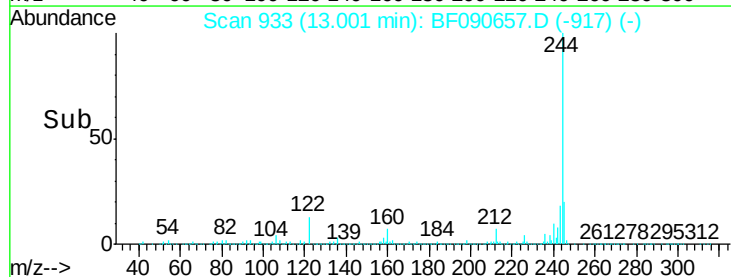
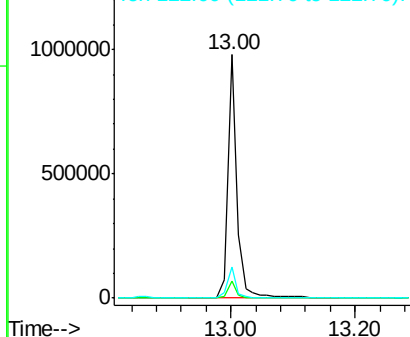
Lab File: BF090657.D

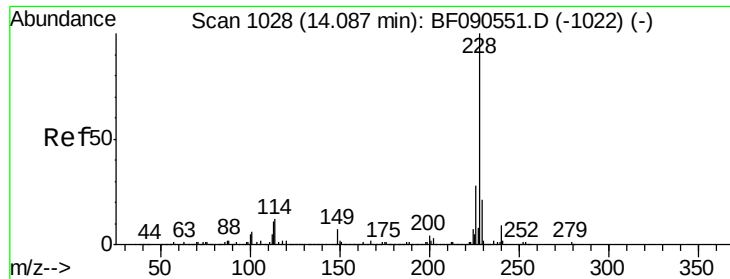
Acq: 19 Oct 2016 19:38

Tgt Ion:	244	Resp:	979052
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.0	7.4
122	13.0	5.6	8.4#



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





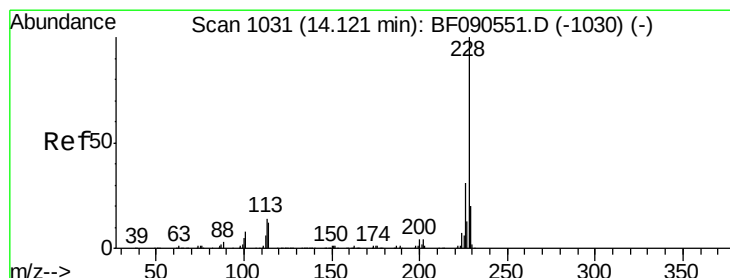
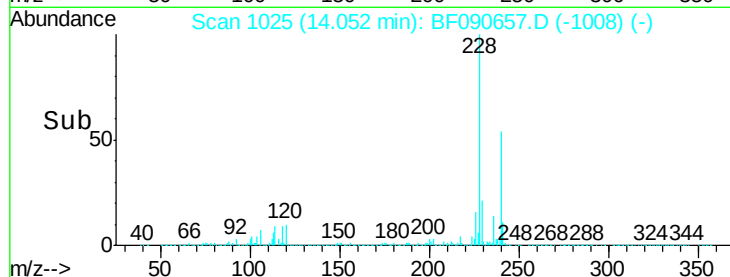
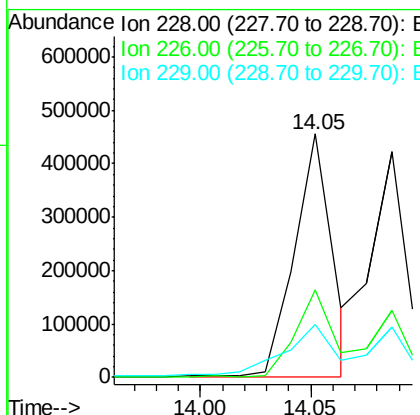
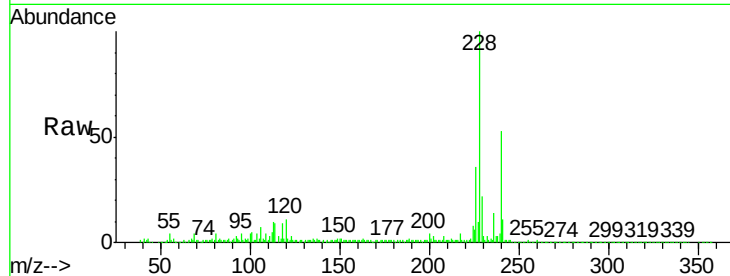
#80
Benzo(a)anthracene
Concen: 16.90 ng m
RT: 14.05 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Instrument :
BNA_F
ClientSampleId :
COMP-TP

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.9	22.8	34.2#
229	21.7	16.6	25.0

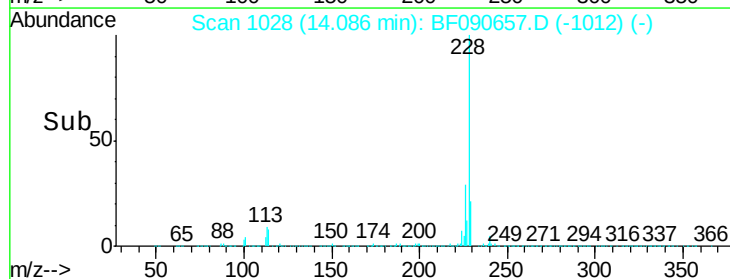
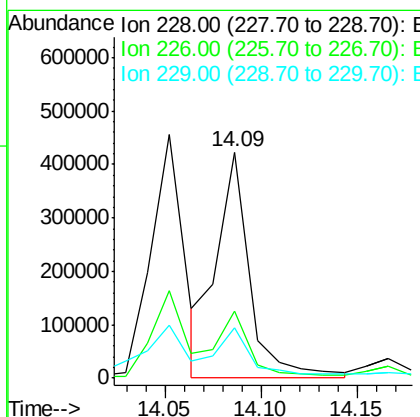
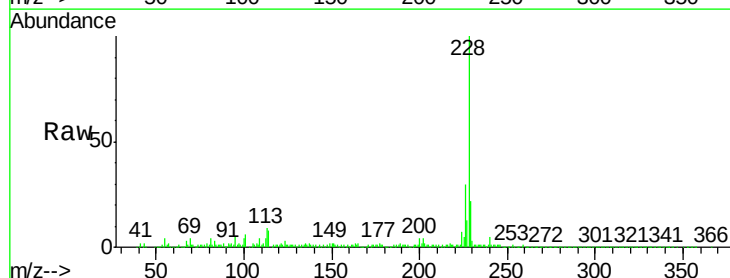
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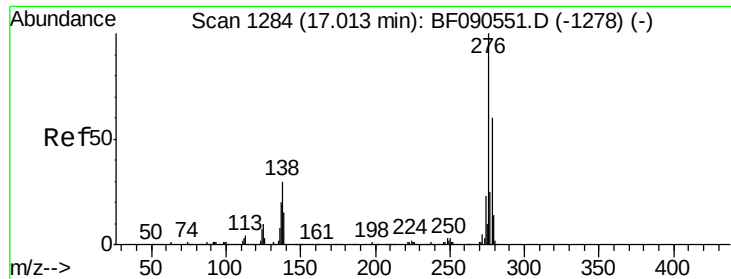
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#82
Chrysene
Concen: 16.20 ng m
RT: 14.09 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.8	37.2
229	22.2	16.2	24.4





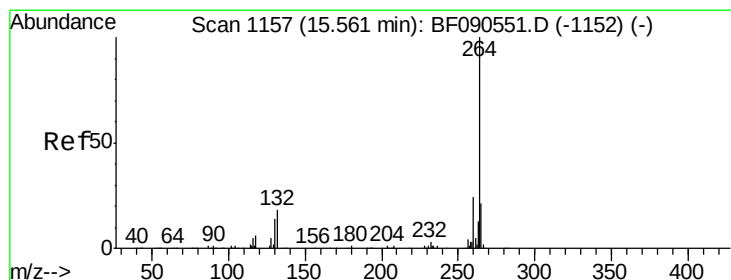
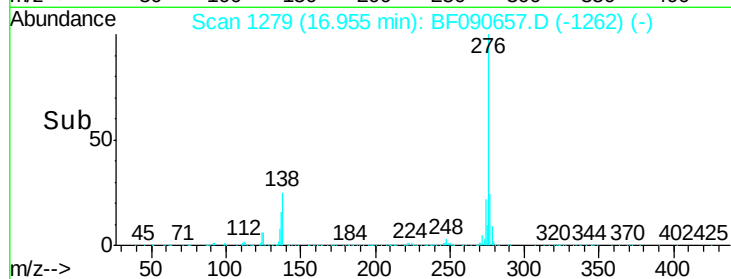
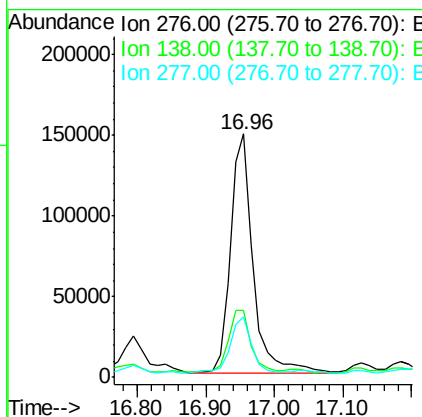
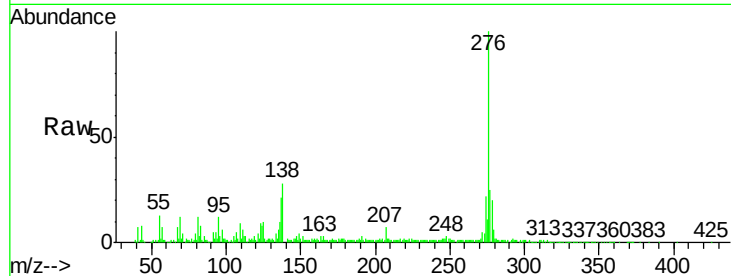
#85
Indeno(1,2,3-cd)pyrene
Concen: 18.91 ng
RT: 16.96 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Instrument :
BNA_F
ClientSampleId :
COMP-TP

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.8	38.6
277	23.0	20.1	30.1

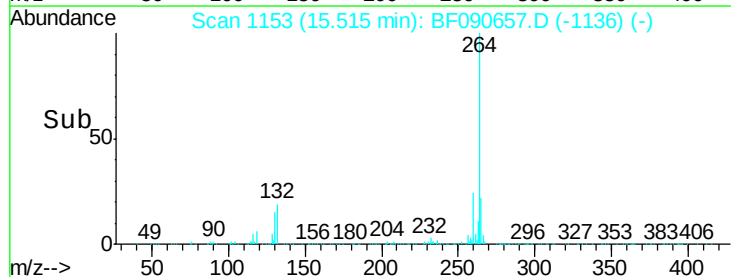
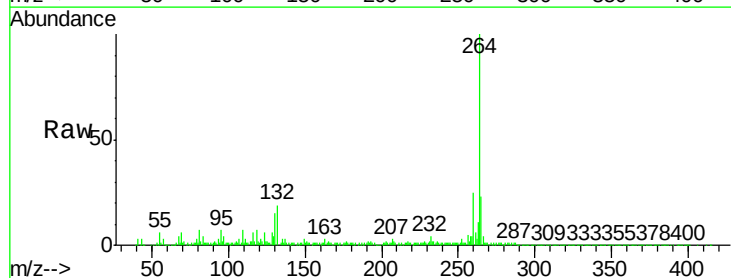
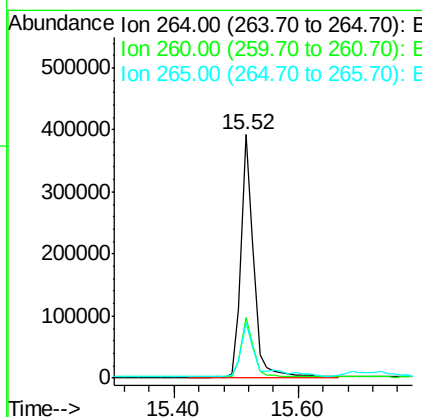
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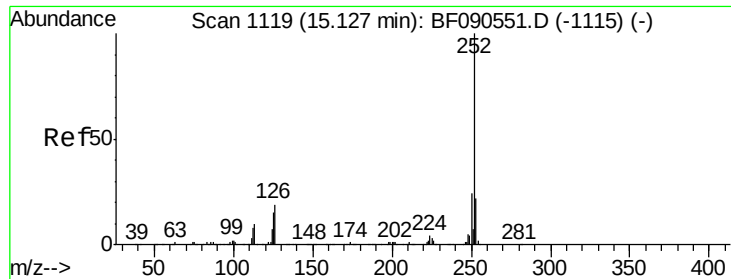
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.3	28.9
265	22.8	16.7	25.1





#87

Benzo(b)fluoranthene

Concen: 23.36 ng m

RT: 15.09 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Instrument :

BNA_F

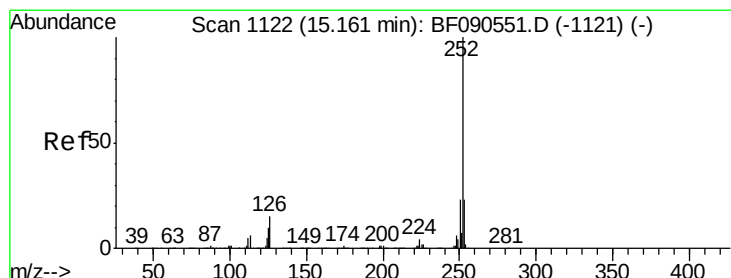
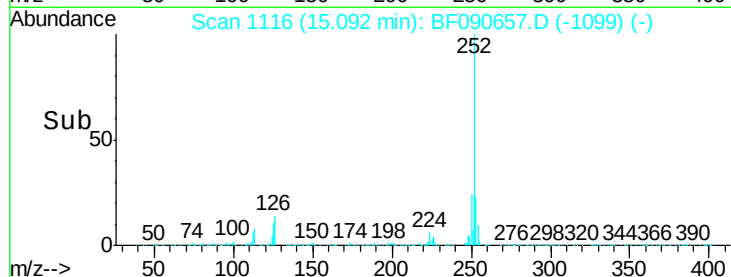
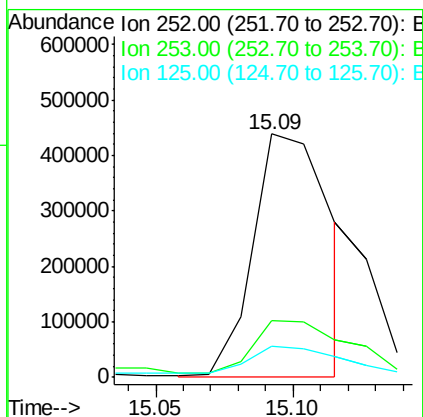
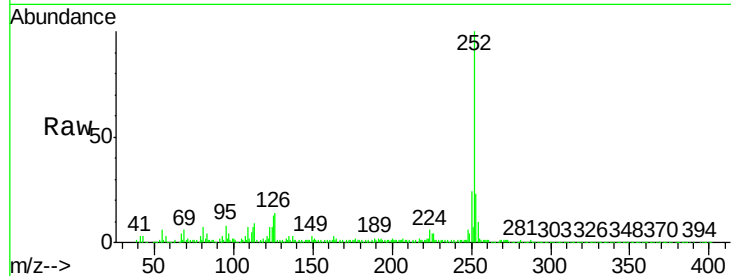
ClientSampleId :

COMP-TP

Tot Ion:	252	Resp:	859589
Ion Ratio		Lower	Upper
252	100		
253	23.4	17.8	26.8
125	12.6	12.0	18.0

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#88

Benzo(k)fluoranthene

Concen: 5.35 ng m

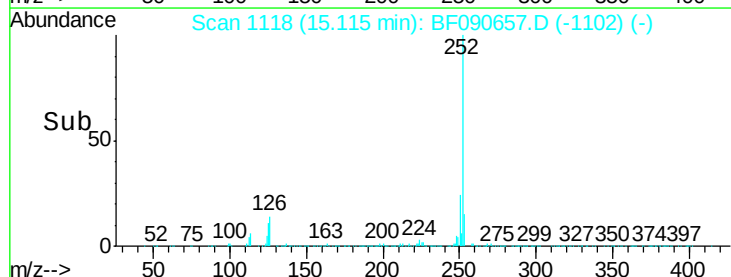
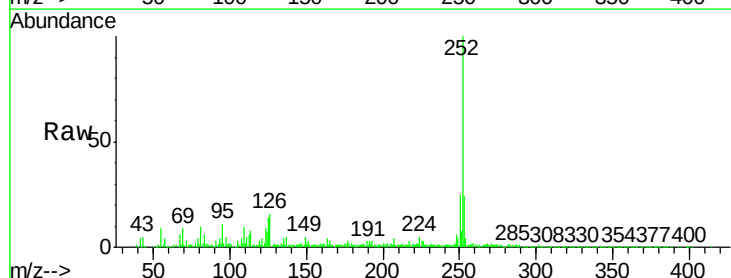
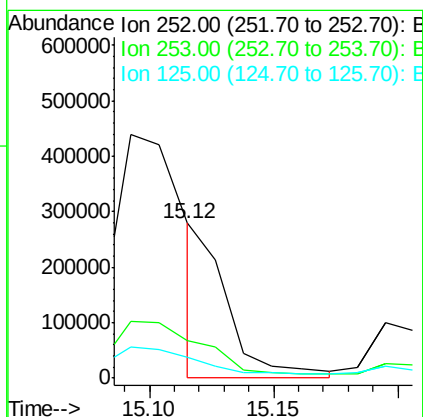
RT: 15.12 min Scan# 1118

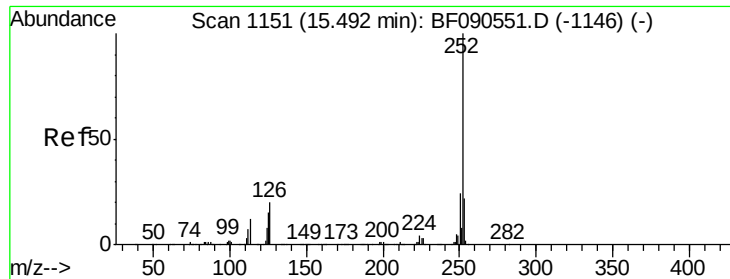
Delta R.T. -0.01 min

Lab File: BF090657.D

Acq: 19 Oct 2016 19:38

Tgt Ion:	252	Resp:	211693
Ion Ratio		Lower	Upper
252	100		
253	24.2	18.0	27.0
125	13.7	10.0	15.0





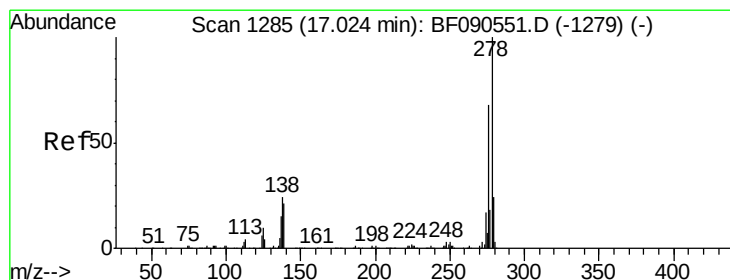
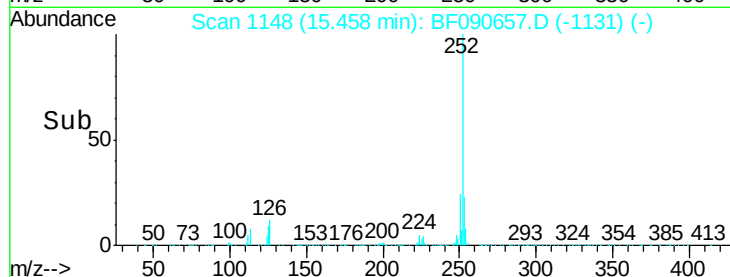
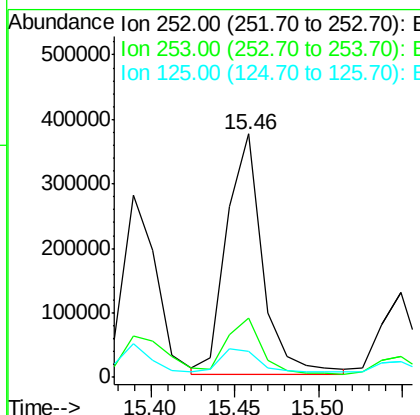
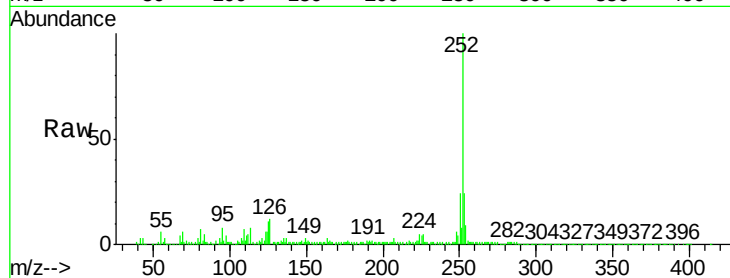
#89
Benzo(a)pyrene
Concen: 16.60 ng/mL
RT: 15.46 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Instrument :
BNA_F
ClientSampled :
COMP-TP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	10.6	12.3	18.5

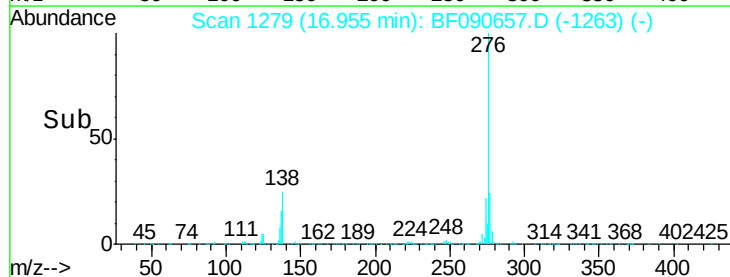
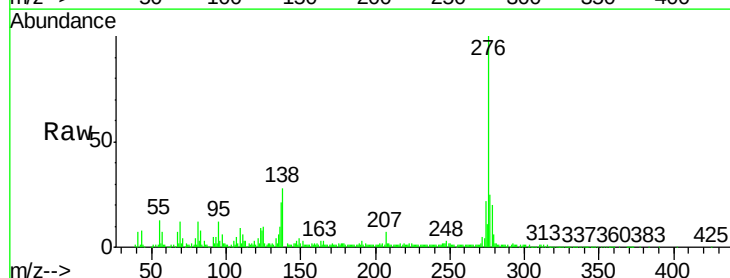
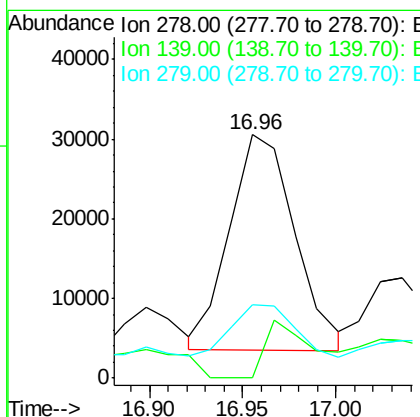
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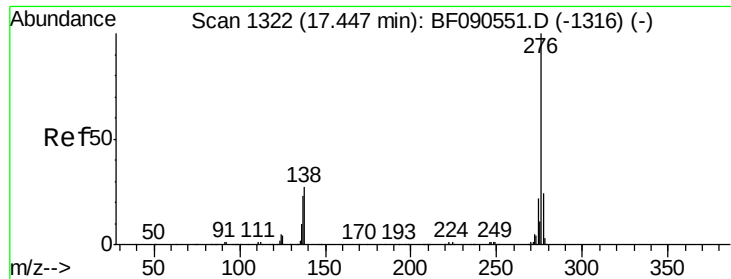
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#90
Dibenzo(a,h)anthracene
Concen: 2.55 ng/mL
RT: 16.96 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF090657.D
Acq: 19 Oct 2016 19:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	25.0
279	30.2	19.1	28.7





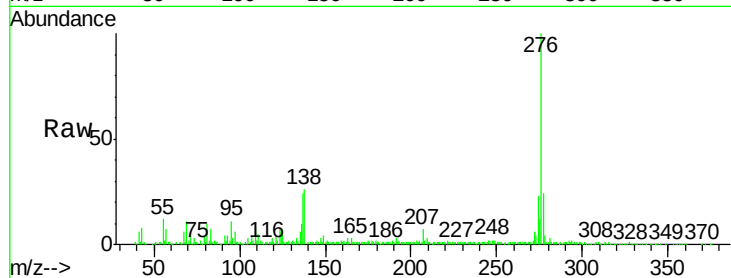
#91
 Benzo(a,h,i)perylene
 Concen: 13.44 ng
 RT: 17.39 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BF090657.D
 Acq: 19 Oct 2016 19:38

Instrument :
 BNA_F
 ClientSampleId :
 COMP-TP

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	26.2	21.8	32.8

Manual Integrations
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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

