

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091516\
 Data File : BF090097.D
 Acq On : 15 Sep 2016 17:47
 Operator : UM/SJ
 Sample : H4756-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-004

Manual Integrations
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Quant Time: Sep 16 01:14:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 11:18:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	168251	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	656807	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	289723	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	460209	20.00	ng	0.00
75) Chrysene-d12	13.66	240	341063	20.00	ng	-0.01
86) Perylene-d12	14.99	264	321881	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	1053947	100.75	ng	0.00
7) Phenol-d6	6.20	99	1422816	103.88	ng	0.00
23) Nitrobenzene-d5	7.12	82	853460	73.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	270613	92.99	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	1265263	68.59	ng	-0.01
78) Terphenyl-d14	12.63	244	730370	50.85	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.31	163	278518	12.94	ng	99
70) Phenanthrene	11.07	178	49556	2.23	ng	97
74) Fluoranthene	12.24	202	96861	4.16	ng	93
77) Pyrene	12.47	202	96592	3.88	ng	98
80) Benzo(a)anthracene	13.65	228	44518m	2.24	ng	
82) Chrysene	13.68	228	55021m	2.95	ng	
87) Benzo(b)fluoranthene	14.64	252	67437m	3.57	ng	
89) Benzo(a)pyrene	14.94	252	47045	2.78	ng	# 89
91) Benzo(g,h,i)perylene	16.51	276	26714	2.11	ng	98

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

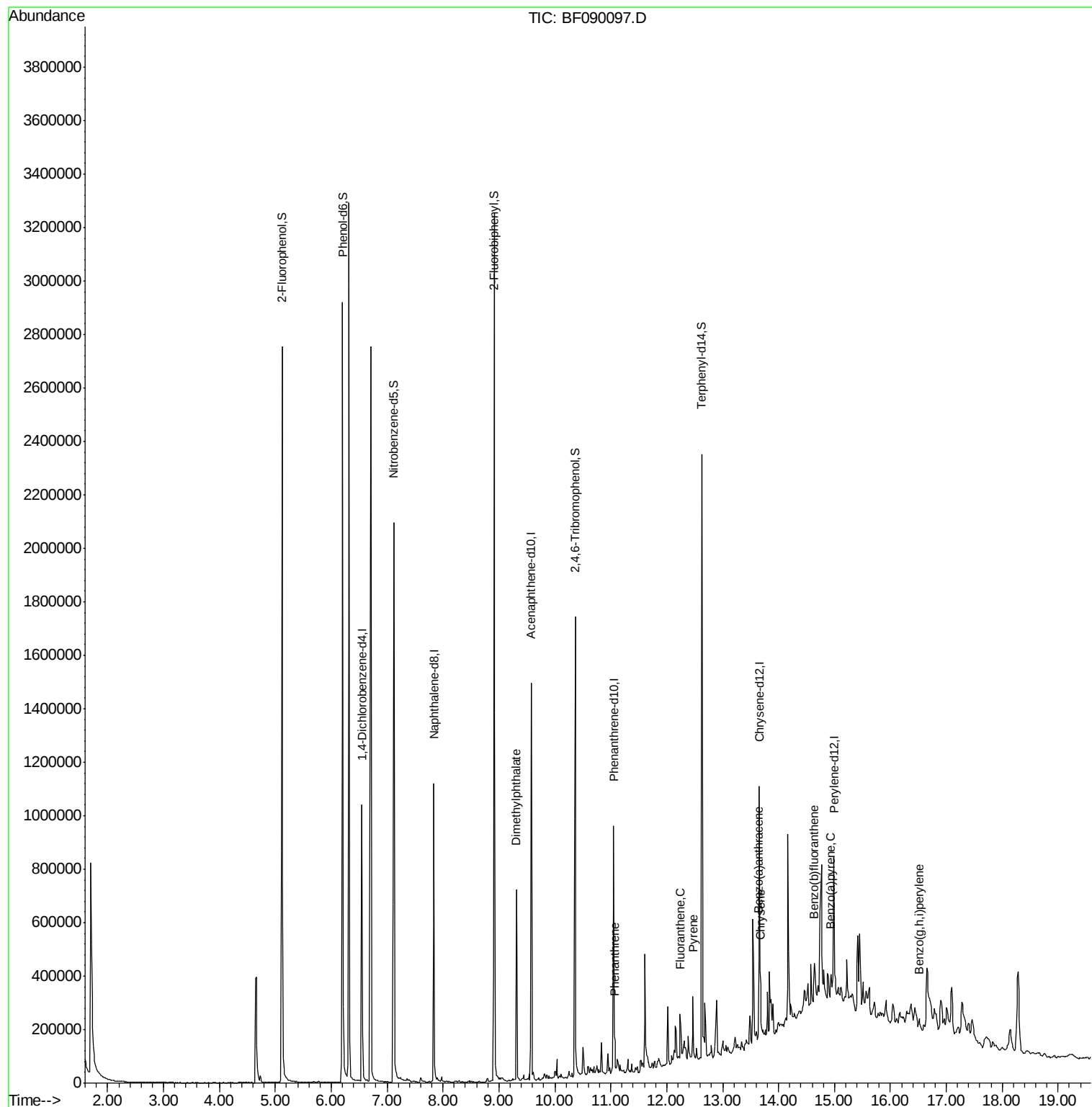
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091516\
Data File : BF090097.D
Acq On : 15 Sep 2016 17:47
Operator : UM/SJ
Sample : H4756-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

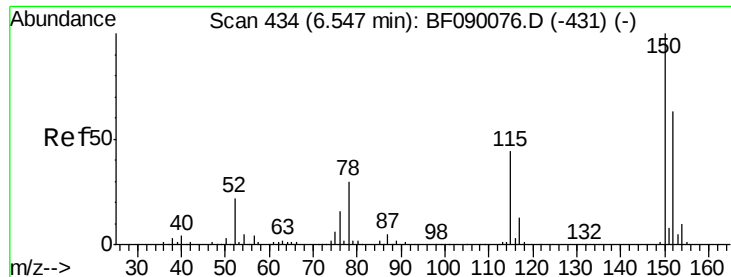
Instrument :
BNA_F
ClientSampleId :
NC-TS-004

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Quant Time: Sep 16 01:14:34 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

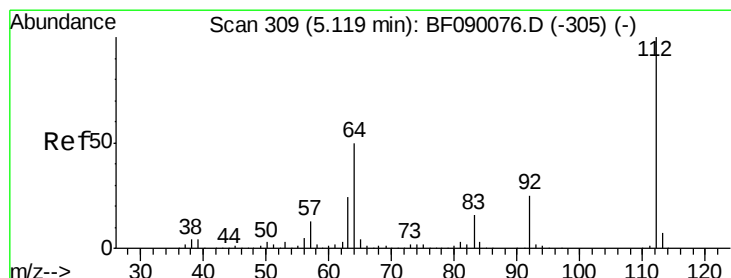
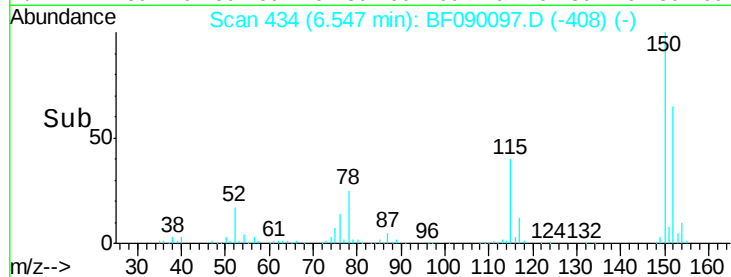
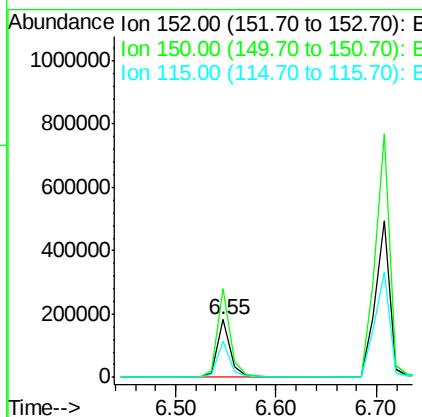
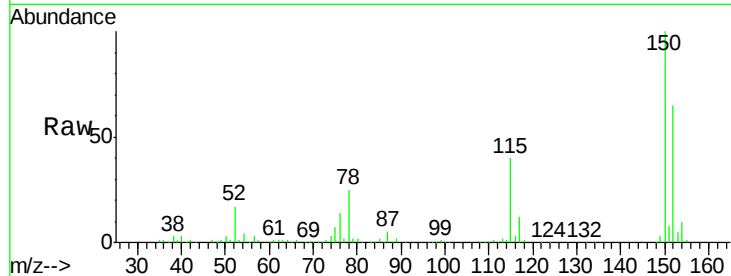
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. 0.00 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

Instrument :
BNA_F
ClientSampled :
NC-TS-004

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.2	128.9	193.3
115	62.4	55.5	83.3

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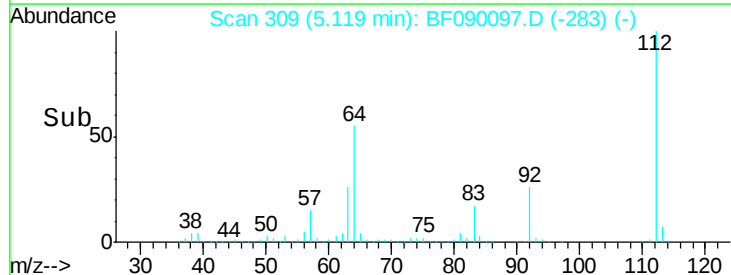
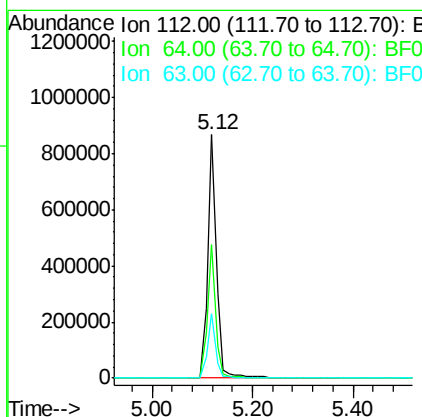
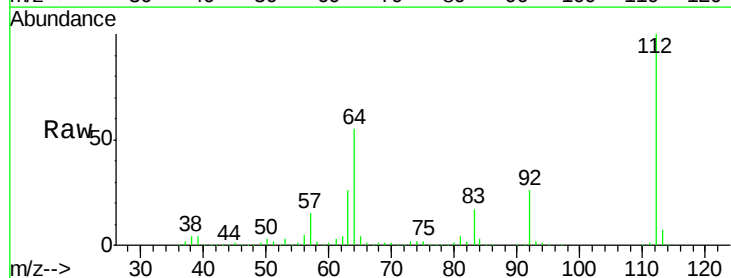
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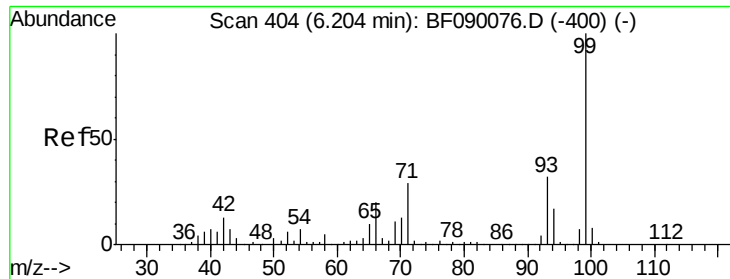


#5

2-Fluorophenol
Concen: 100.75 ng
RT: 5.12 min Scan# 309
Delta R.T. 0.00 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	39.8	59.6
63	26.3	18.9	28.3





#7

Phenol-d6

Concen: 103.88 ng

RT: 6.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Instrument :

BNA_F

ClientSampleId :

NC-TS-004

Tgt Ion: 99 Resp: 1422816

Ion Ratio Lower Upper

99 100

42 12.8 10.6 15.8

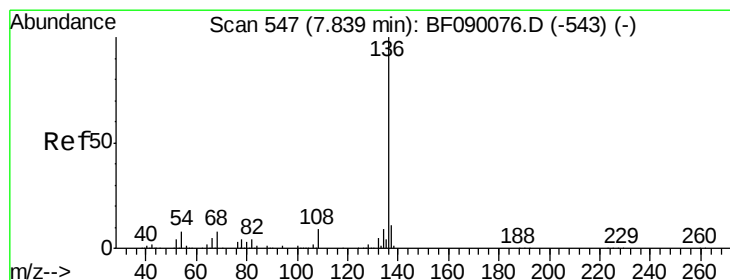
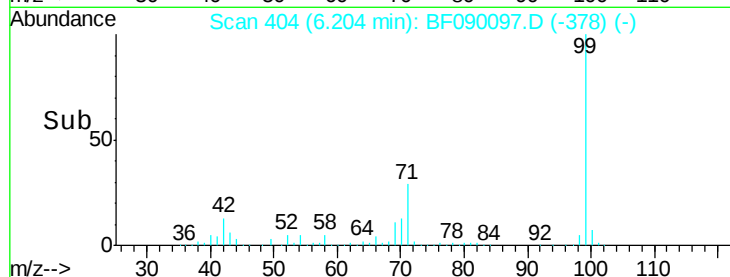
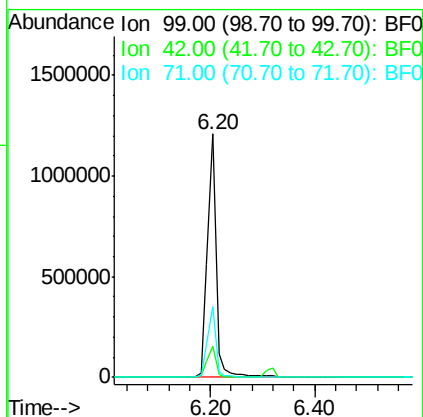
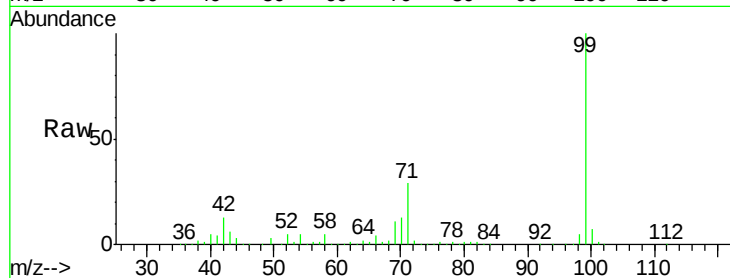
71 29.2 23.0 34.6

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 547

Delta R.T. 0.00 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Tgt Ion: 136 Resp: 656807

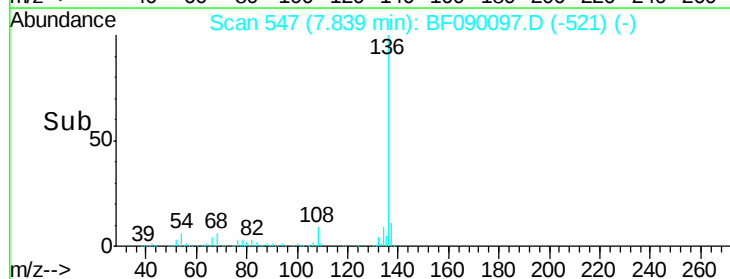
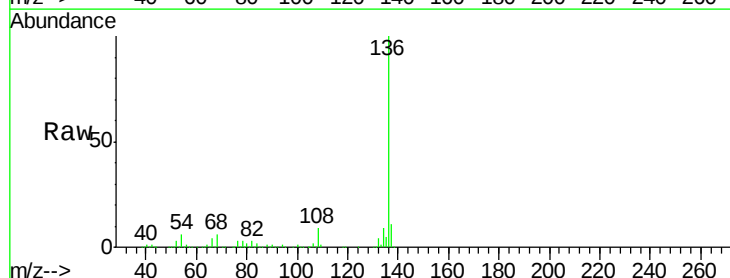
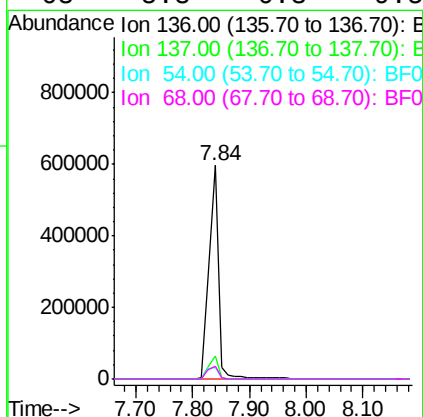
Ion Ratio Lower Upper

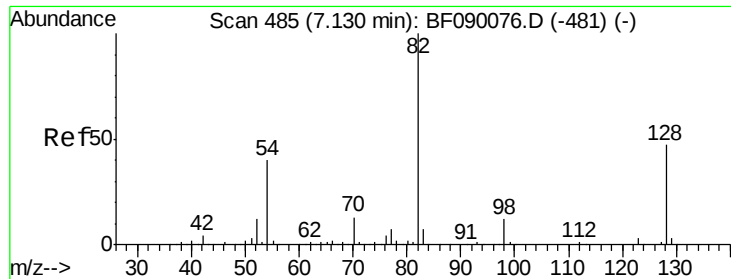
136 100

137 10.6 9.0 13.4

54 5.6 6.4 9.6#

68 5.8 6.3 9.5#





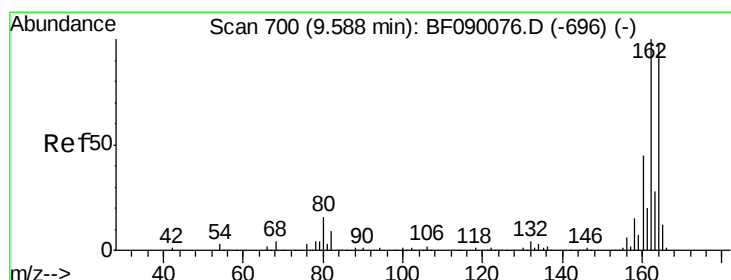
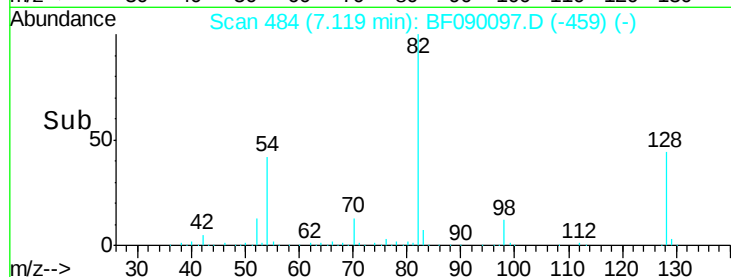
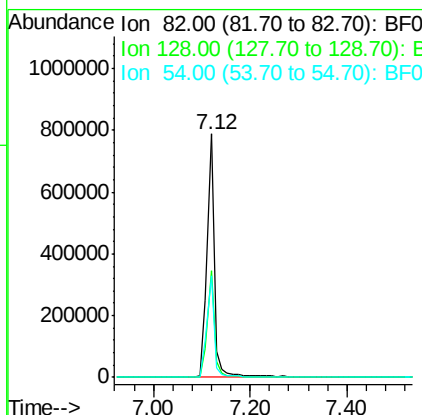
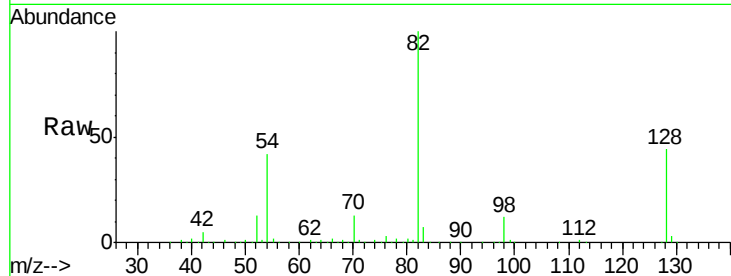
#23
 Nitrobenzene-d5
 Concen: 73.06 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: BF090097.D
 Acq: 15 Sep 2016 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-004

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.6	37.5	56.3
54	41.7	31.9	47.9

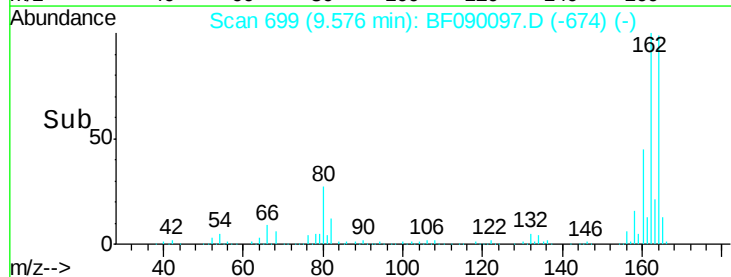
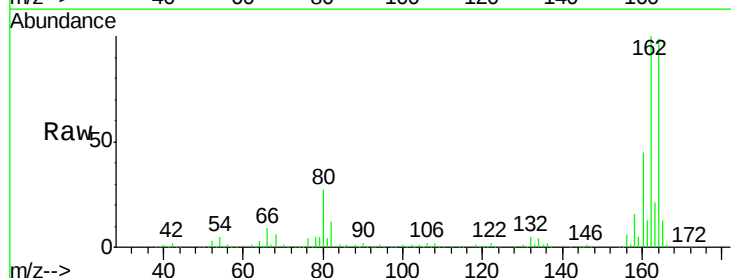
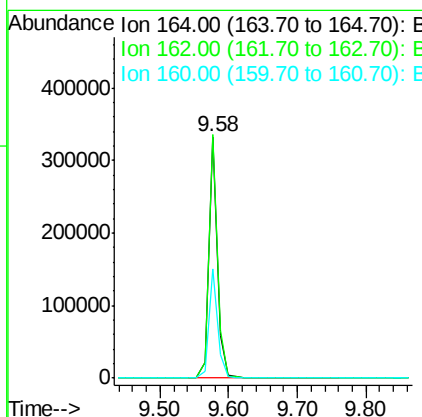
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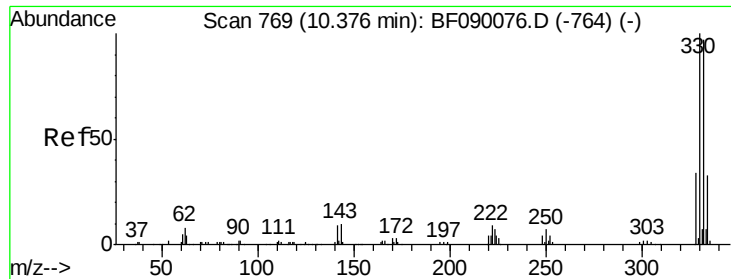
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF090097.D
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.4	122.2
160	45.4	36.6	54.8





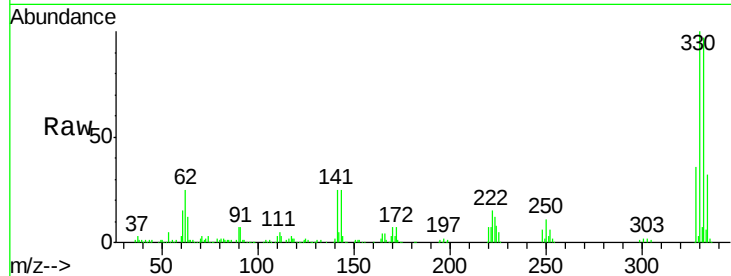
#41
 2,4,6-Tribromophenol
 Concen: 92.99 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF090097.D
 Acq: 15 Sep 2016 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-004

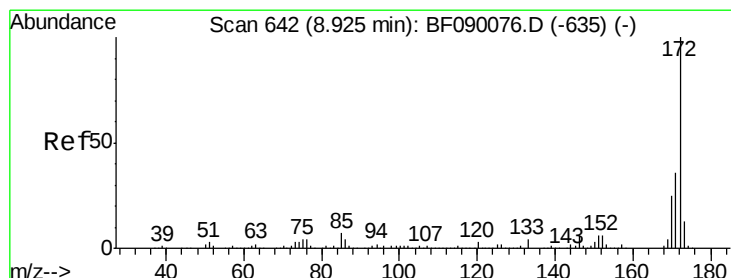
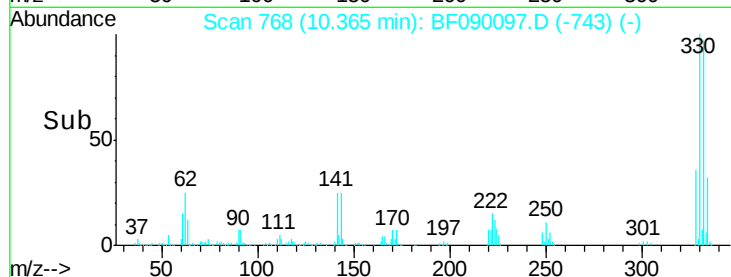
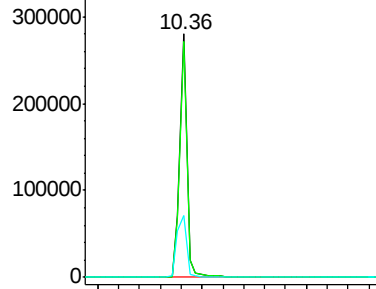
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	270613		
332	96.3	78.1	117.1	
141	34.7	23.9	35.9	

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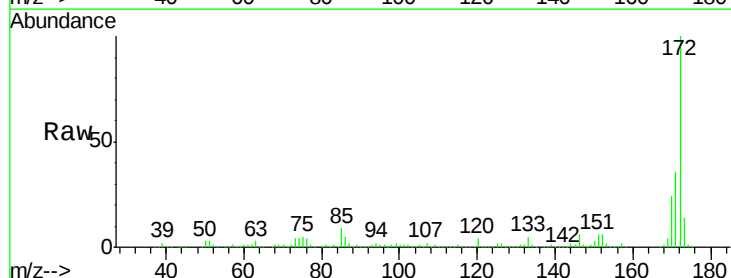


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

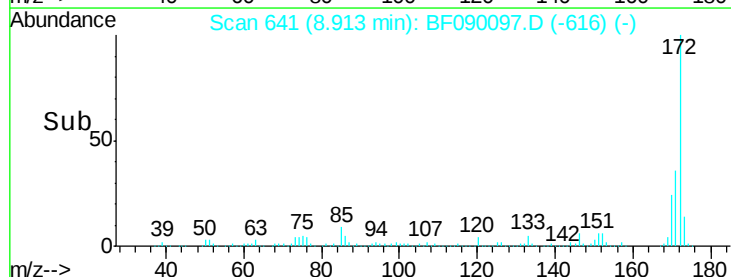
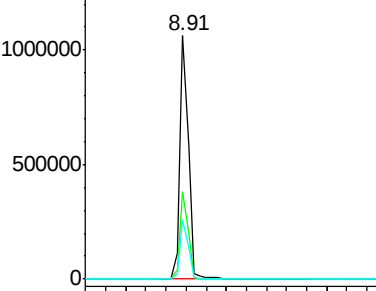


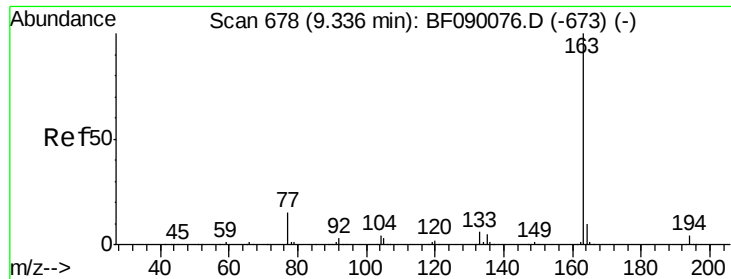
#44
 2-Fluorobiphenyl
 Concen: 68.59 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF090097.D
 Acq: 15 Sep 2016 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1265263		
171	36.0	29.2	43.8	
170	24.3	19.8	29.8	



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





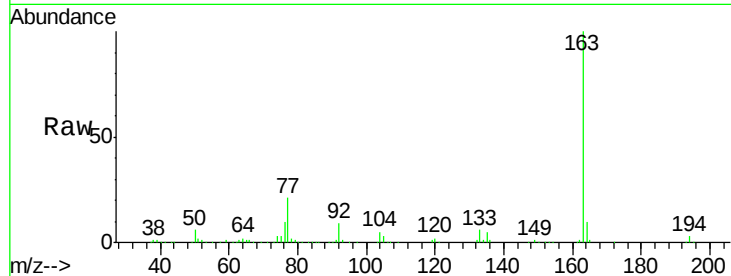
#49
Dimethylphthalate
Concen: 12.94 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.02 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

Instrument :
BNA_F
ClientSampleId :
NC-TS-004

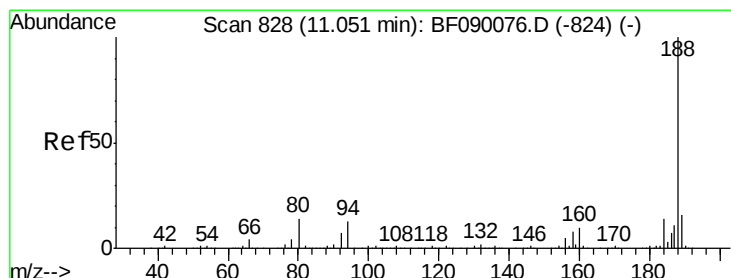
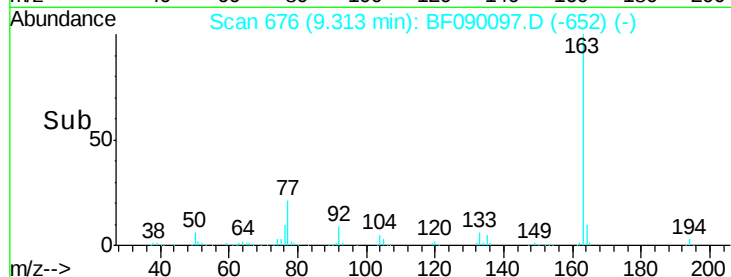
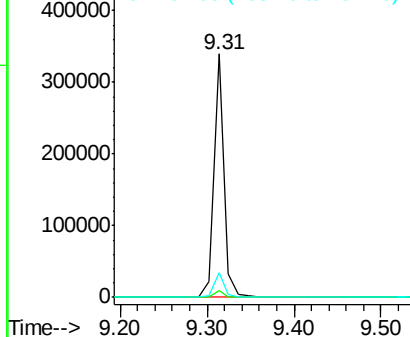
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	278518		
194	3.0	2.8	4.2	
164	10.0	8.1	12.1	

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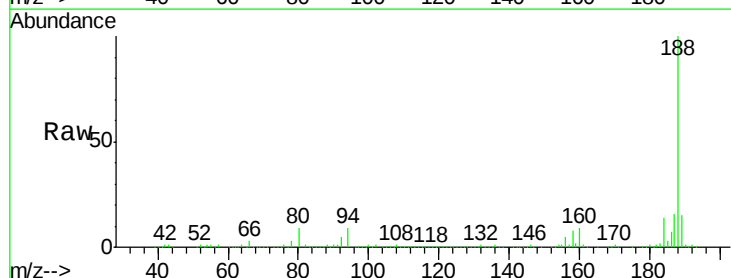


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

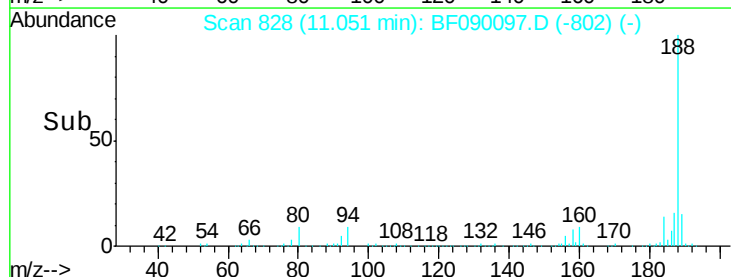
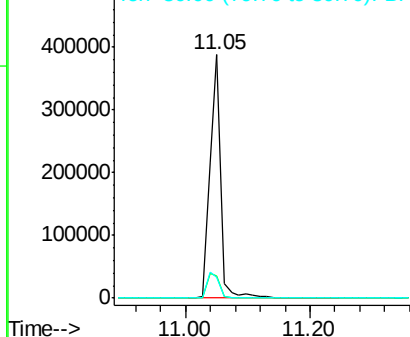


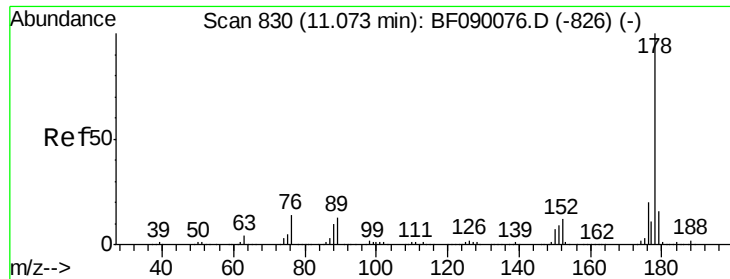
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	460209		
94	9.1	10.5	15.7#	
80	8.8	11.2	16.8#	



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





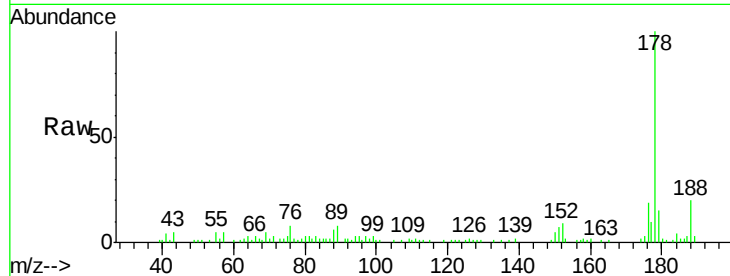
#70
Phenanthrene
Concen: 2.23 ng
RT: 11.07 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

Instrument :
BNA_F
ClientSampleId :
NC-TS-004

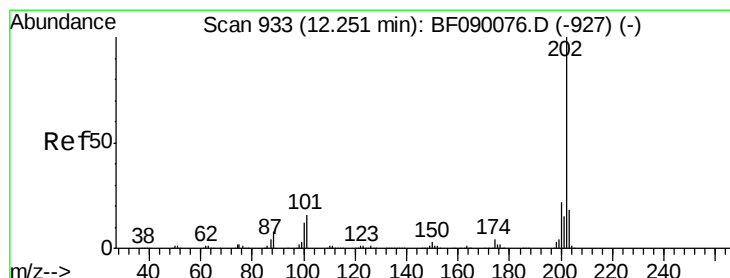
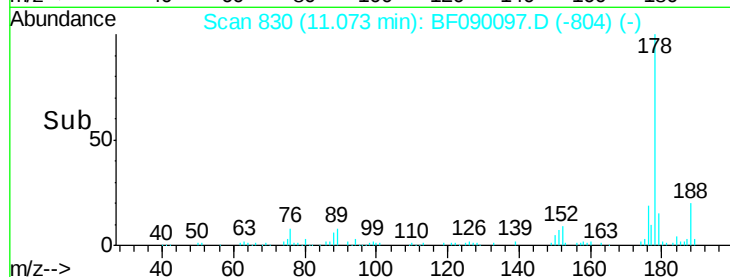
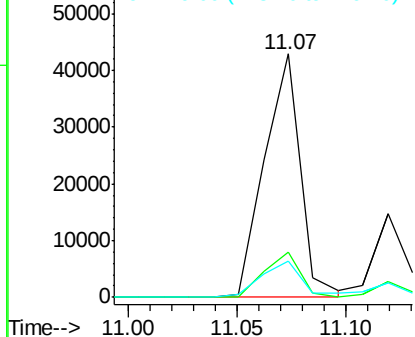
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	14.8	12.9	19.3

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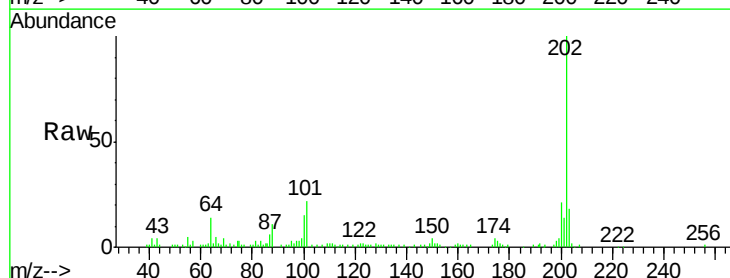


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

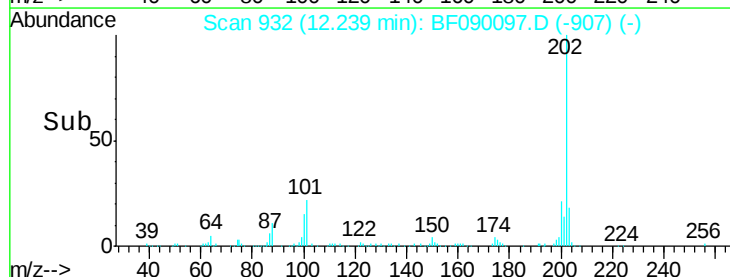
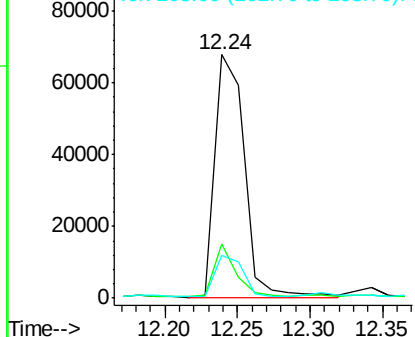


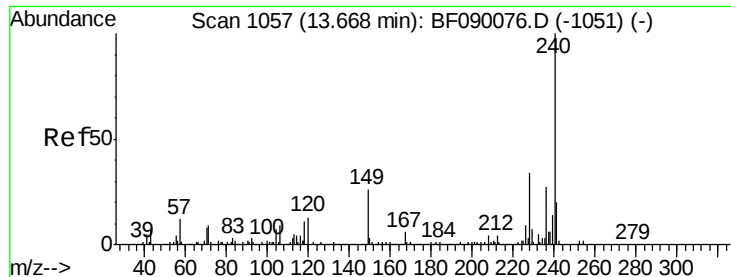
#74
Fluoranthene
Concen: 4.16 ng
RT: 12.24 min Scan# 932
Delta R.T. -0.01 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	22.2	0.0	36.1
203	17.6	0.0	38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Instrument :

BNA_F

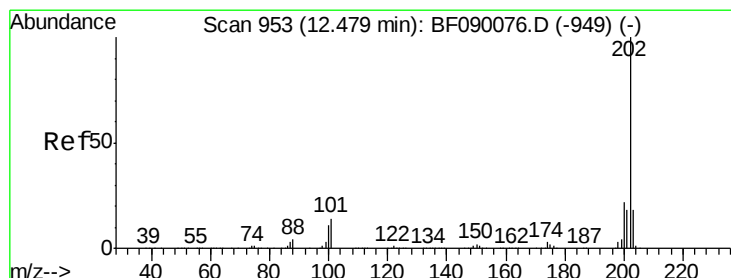
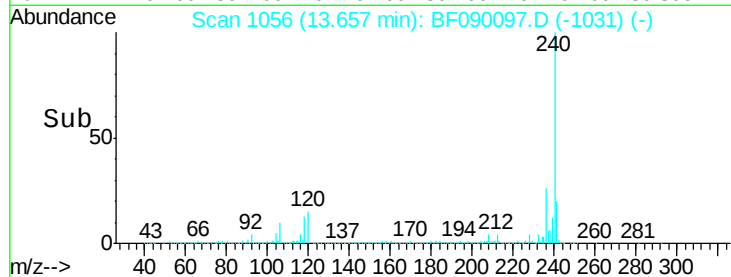
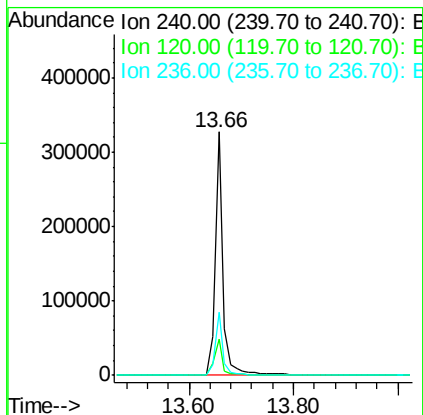
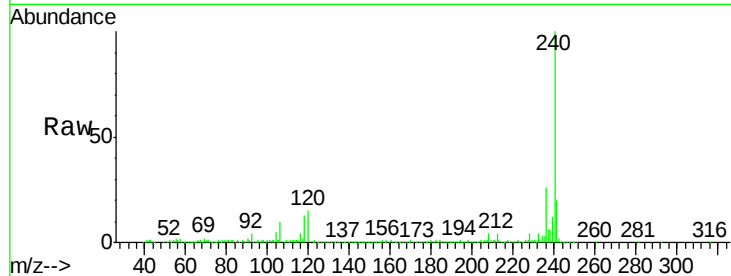
ClientSampleId :

NC-TS-004

Tgt Ion:	240	Resp:	341063
Ion Ratio		Lower	Upper
240	100		
120	15.1	10.6	16.0
236	26.2	21.6	32.4

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#77

Pyrene

Concen: 3.88 ng

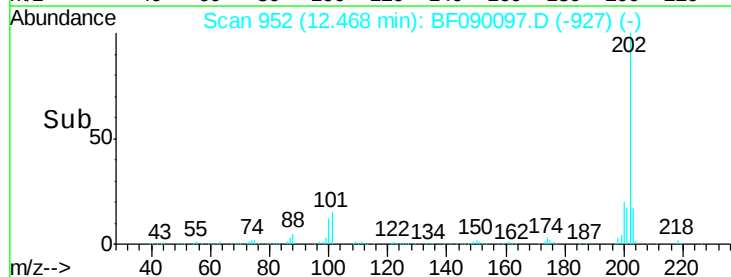
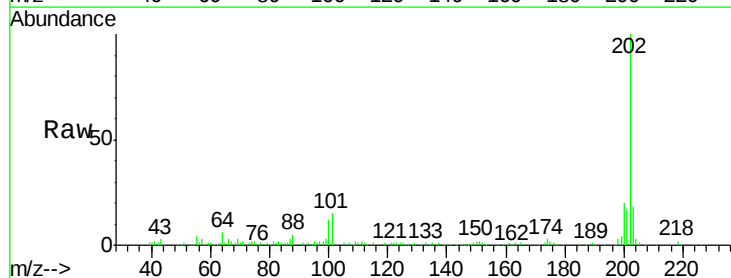
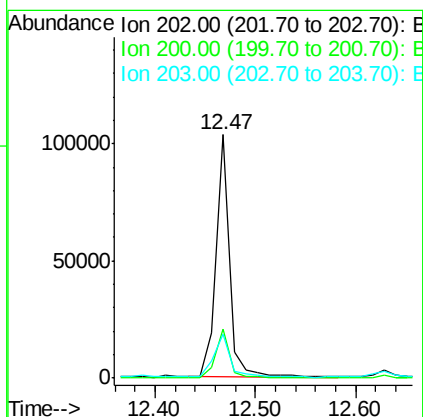
RT: 12.47 min Scan# 952

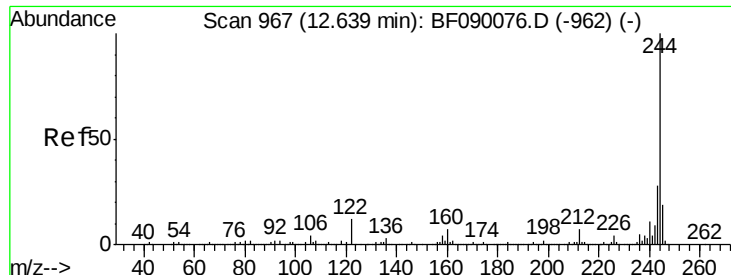
Delta R.T. -0.01 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Tgt Ion:	202	Resp:	96592
Ion Ratio		Lower	Upper
202	100		
200	20.3	17.9	26.9
203	17.8	14.2	21.4





#78

Terphenyl-d14

Concen: 50.85 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Instrument :

BNA_F

ClientSampled :

NC-TS-004

Tgt Ion: 244 Resp: 730370

Ion Ratio Lower Upper

244 100

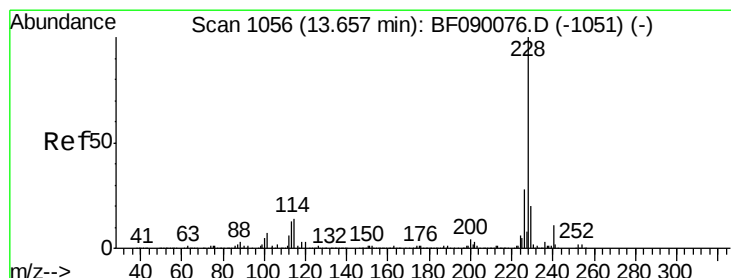
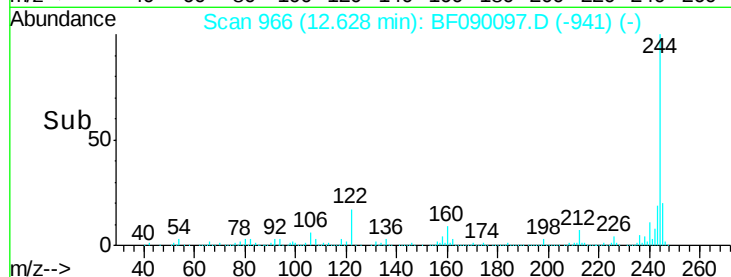
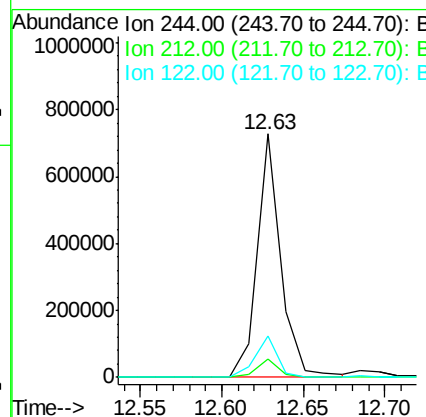
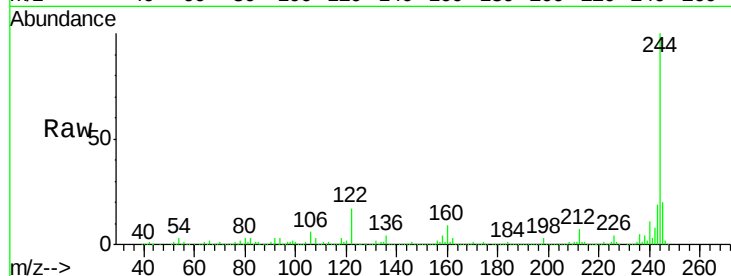
212 7.3 5.8 8.8

122 17.1 9.4 14.0#

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#80

Benzo(a)anthracene

Concen: 2.24 ng m

RT: 13.65 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

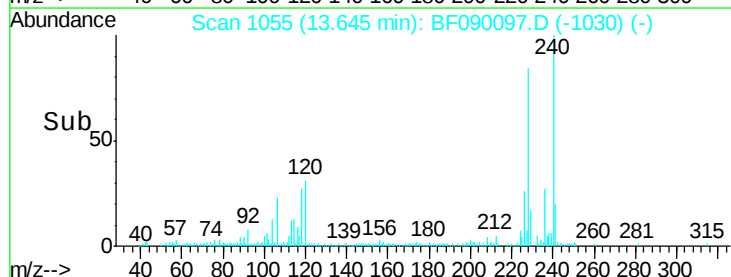
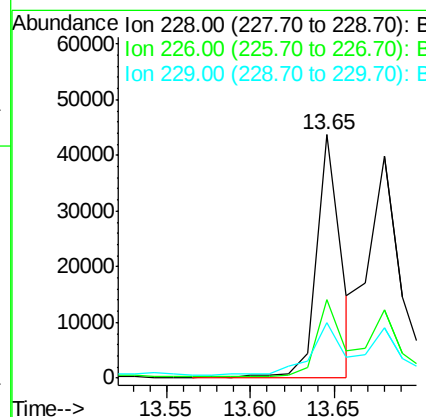
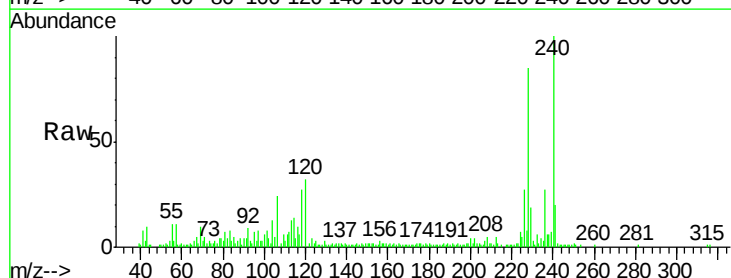
Tgt Ion: 228 Resp: 44518

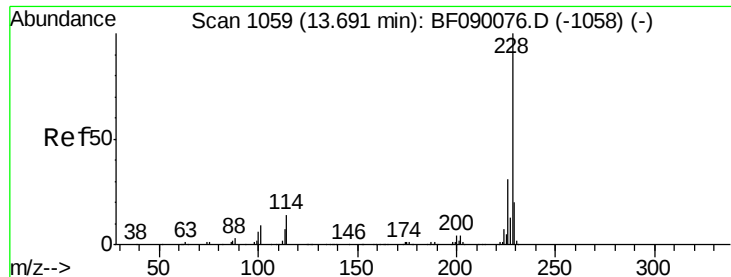
Ion Ratio Lower Upper

228 100

226 32.1 22.0 33.0

229 22.6 16.2 24.2





#82

Chrysene

Concen: 2.95 ng m

RT: 13.68 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Instrument :

BNA_F

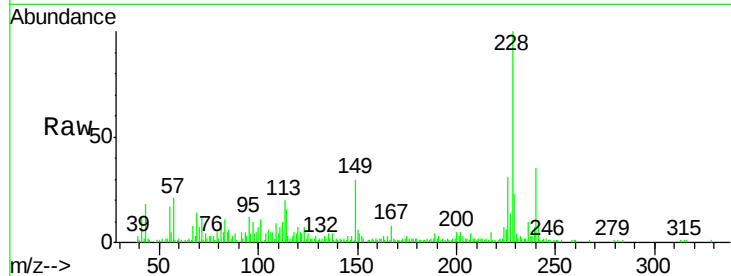
ClientSampled :

NC-TS-004

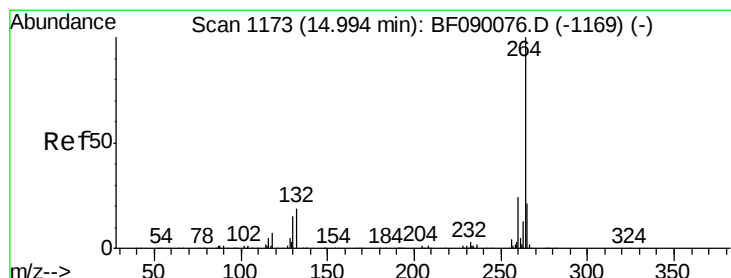
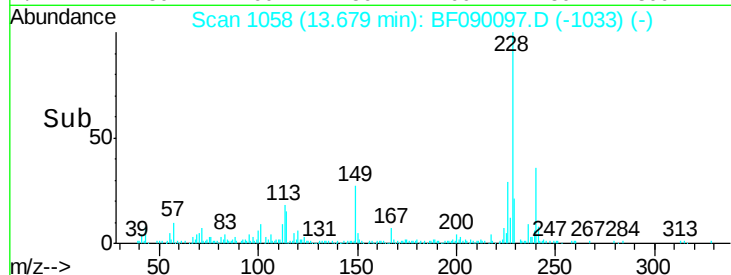
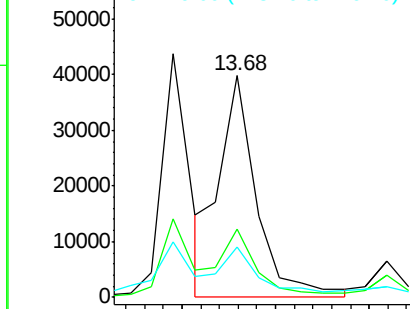
Tgt Ion:	228	Resp:	55021
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.6	37.0
229	22.9	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.99 min Scan# 1173

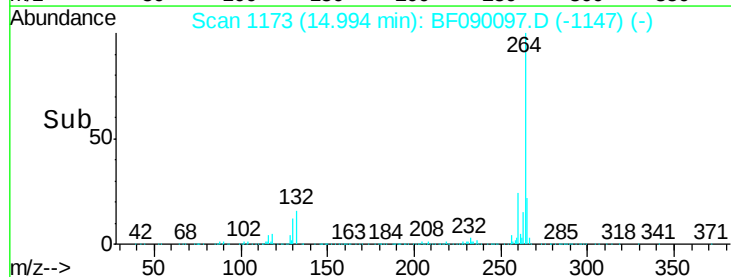
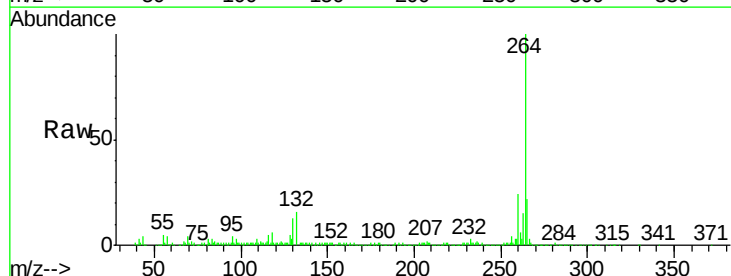
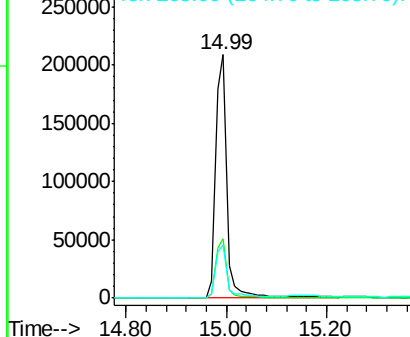
Delta R.T. 0.00 min

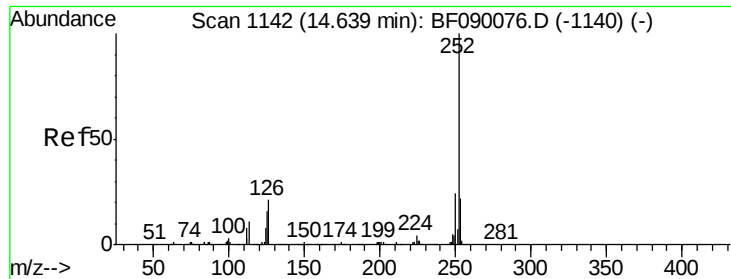
Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Tgt Ion:	264	Resp:	321881
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	21.9	17.0	25.4

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.57 ng m

RT: 14.64 min Scan# 1142

Delta R.T. 0.00 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Instrument :

BNA_F

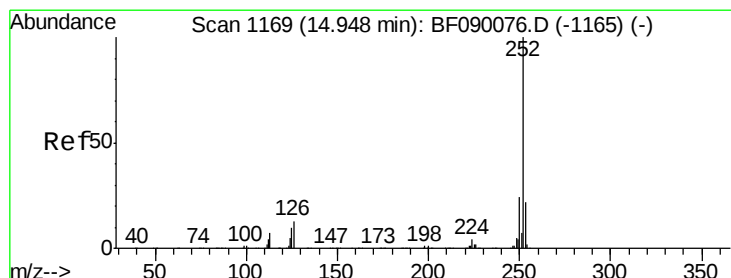
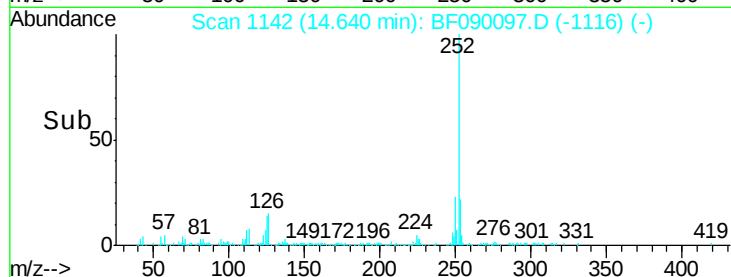
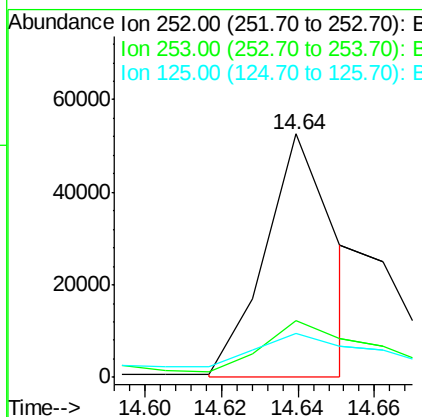
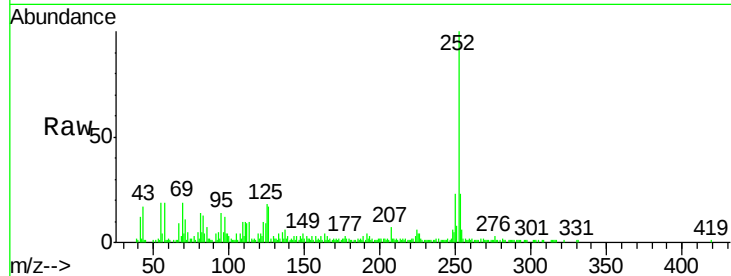
ClientSampleId :

NC-TS-004

Tgt Ion:	252	Resp:	67437
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.9	26.9
125	17.9	12.7	19.1

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#89

Benzo(a)pyrene

Concen: 2.78 ng

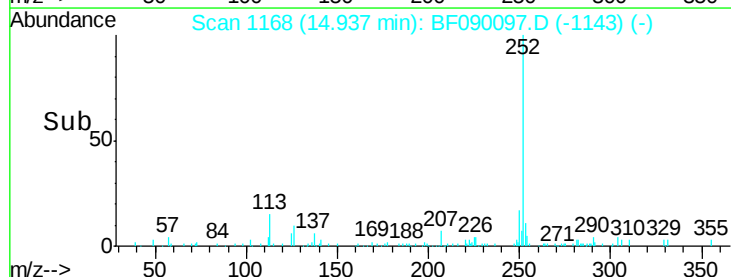
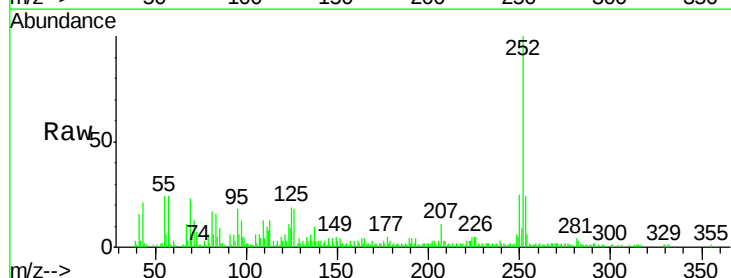
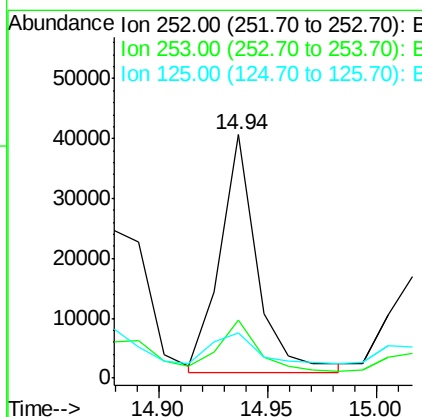
RT: 14.94 min Scan# 1168

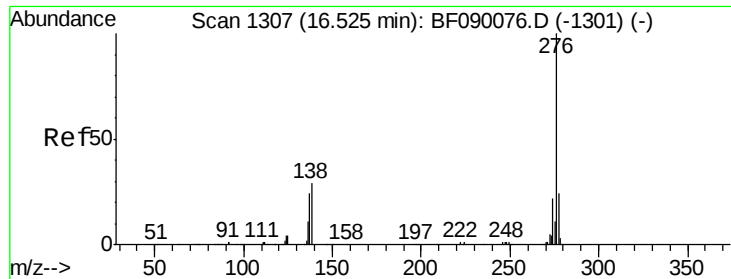
Delta R.T. -0.01 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Tgt Ion:	252	Resp:	47045
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.4	26.0
125	18.7	7.7	11.5#





#91
 Benzo(g,h,i)perylene
 Concen: 2.11 ng
 RT: 16.51 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: BF090097.D
 Acq: 15 Sep 2016 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-004

Tgt Ion:	276	Resp:	26714
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.9	28.3
138	30.2	23.3	34.9

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