

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092916\
 Data File : BF090299.D
 Acq On : 29 Sep 2016 19:43
 Operator : UM/SJ
 Sample : H4982-13 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-34

Manual Integrations
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Quant Time: Sep 30 01:12:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	142970	20.00	ng	-0.02
21) Naphthalene-d8	7.75	136	519857	20.00	ng	-0.02
38) Acenaphthene-d10	9.50	164	266668	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	344680	20.00	ng	-0.01
75) Chrysene-d12	13.59	240	283172	20.00	ng	-0.01
86) Perylene-d12	14.91	264	204463	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	262876	29.97	ng	-0.01
7) Phenol-d6	6.11	99	341498	31.53	ng	-0.02
23) Nitrobenzene-d5	7.03	82	183900	20.51	ng	-0.03
41) 2,4,6-Tribromophenol	10.28	330	58754	25.68	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	362547	26.69	ng	-0.02
78) Terphenyl-d14	12.55	244	211942	19.00	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.23	163	97510	5.74	ng	Qvalue 99
70) Phenanthrene	10.99	178	85330	5.29	ng	97
74) Fluoranthene	12.17	202	156484	9.04	ng	92
77) Pyrene	12.39	202	127600	6.59	ng	97
80) Benzo(a)anthracene	13.58	228	57545	3.78	ng	97
82) Chrysene	13.61	228	59254m	3.99	ng	
85) Indeno(1,2,3-cd)pyrene	16.06	276	25407	2.12	ng	93
87) Benzo(b)fluoranthene	14.57	252	68220m	6.03	ng	
88) Benzo(k)fluoranthene	14.58	252	24304m	2.29	ng	
89) Benzo(a)pyrene	14.86	252	40193	3.77	ng	# 83
91) Benzo(g,h,i)perylene	16.40	276	25442	3.13	ng	# 94

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

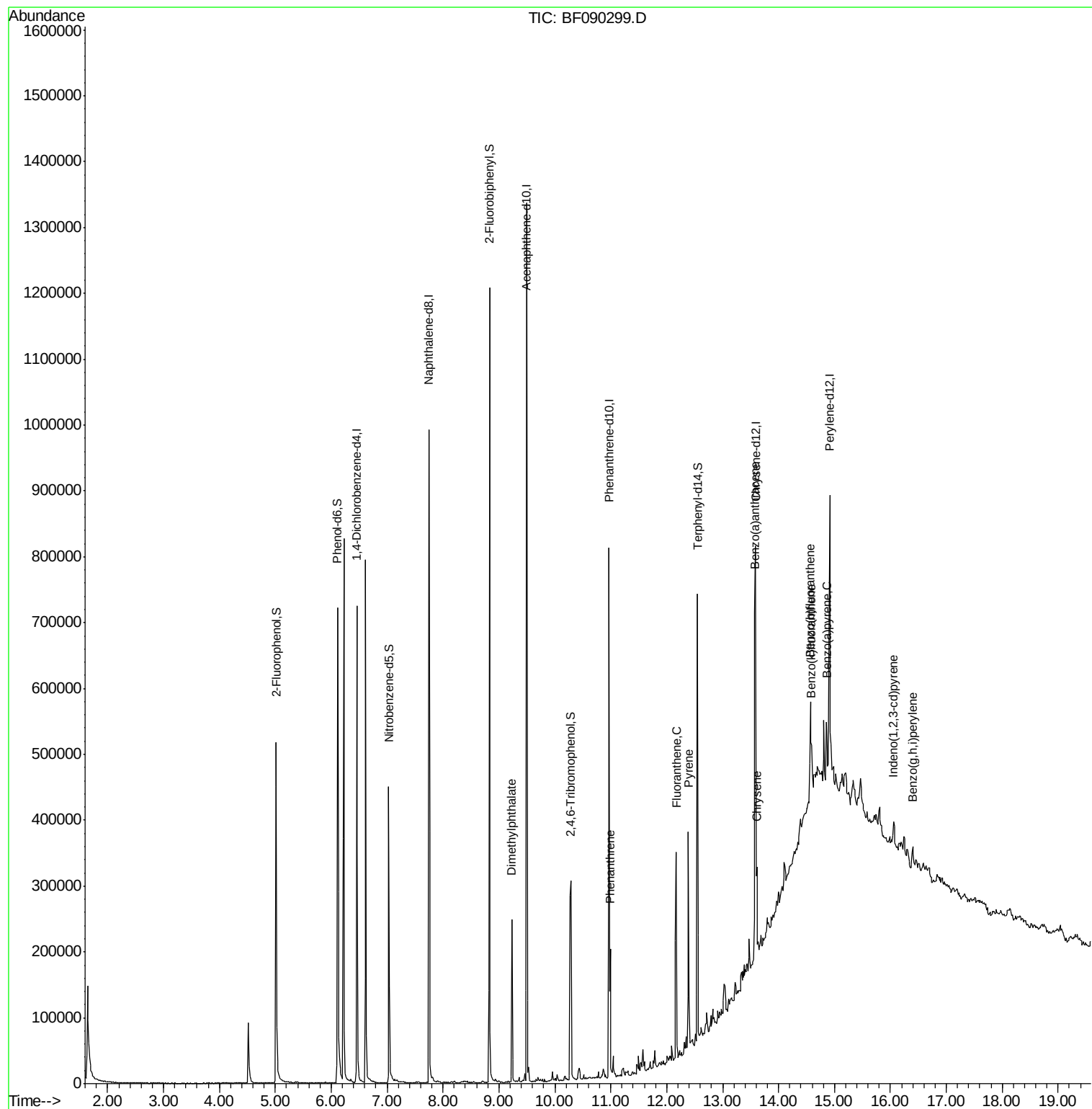
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092916\
Data File : BF090299.D
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Misc :
ALS Vial : 6 Sample Multiplier: 1

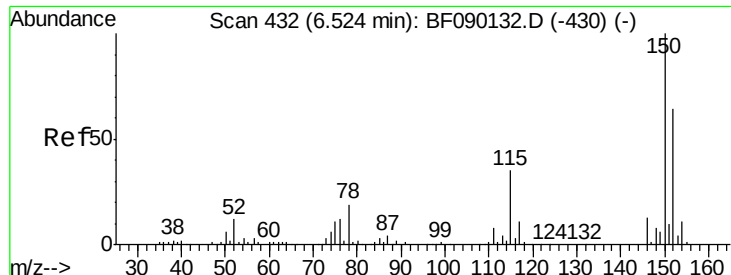
Instrument :
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S-34

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#1

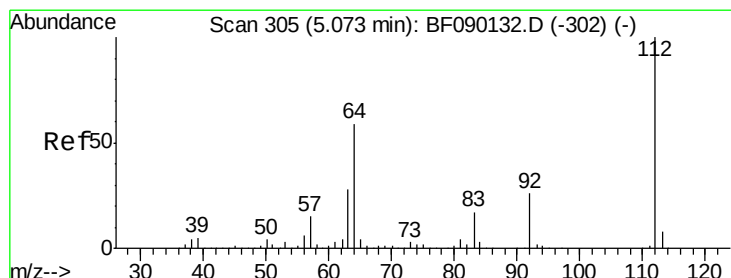
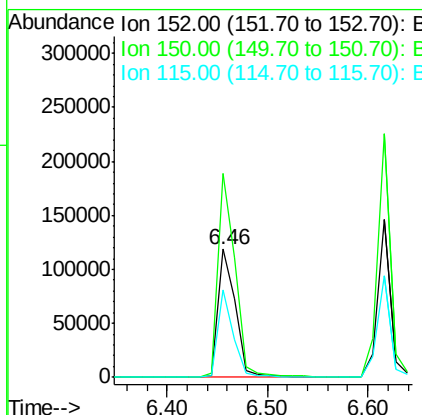
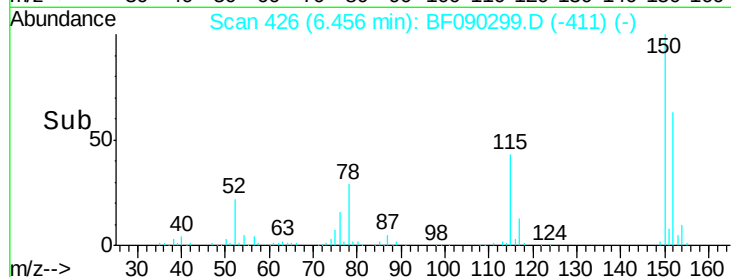
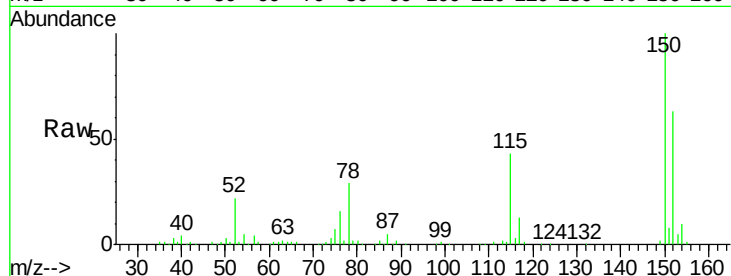
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.46 min Scan# 426
Delta R.T. -0.02 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
152	100	142970		
150	159.2	128.9	193.3	
115	67.9	55.5	83.3	

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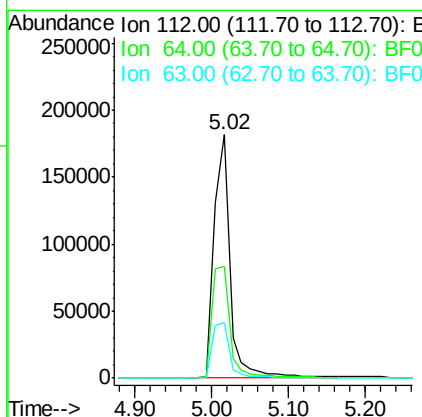
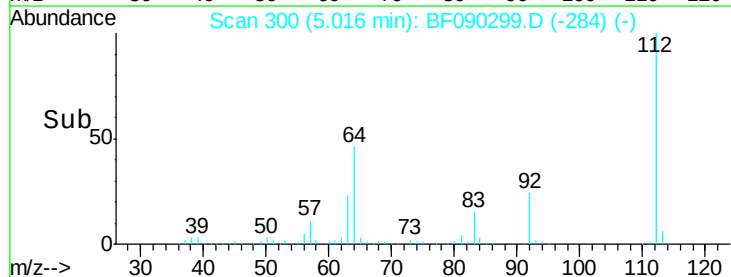
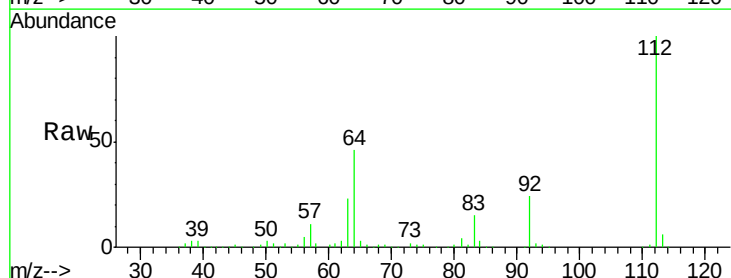
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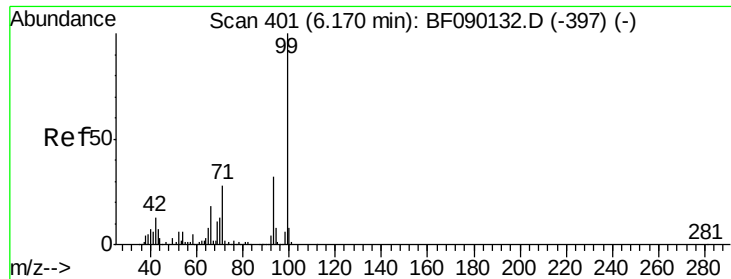


#5

2-Fluorophenol
Concen: 29.97 ng
RT: 5.02 min Scan# 300
Delta R.T. -0.01 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	262876		
64	45.9	39.8	59.6	
63	22.6	18.9	28.3	





#7

Phenol-d6

Concen: 31.53 ng

RT: 6.11 min Scan# 396

Delta R.T. -0.02 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

Instrument :

BNA_F

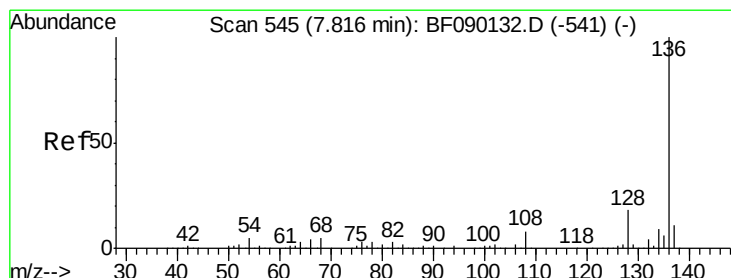
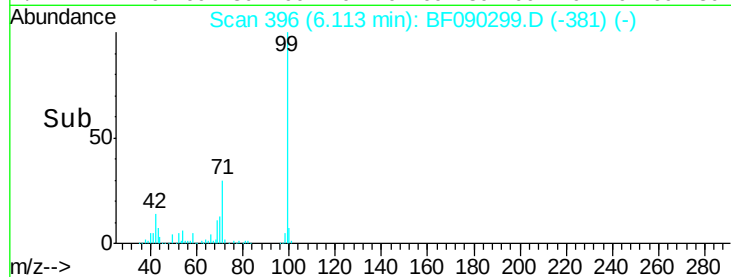
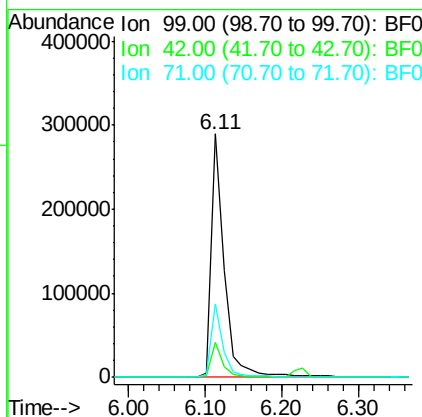
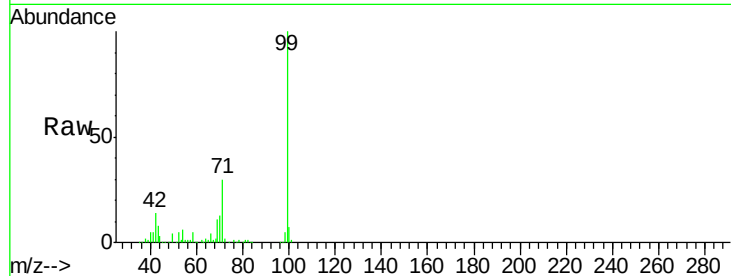
ClientSampled :

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Tot Ion:	99	Resp:	341498
Ion Ratio	Lower	Upper	
99	100		
42	14.2	10.6	15.8
71	30.2	23.0	34.6

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#21

Naphthalene-d8

Concen: 20.00 ng

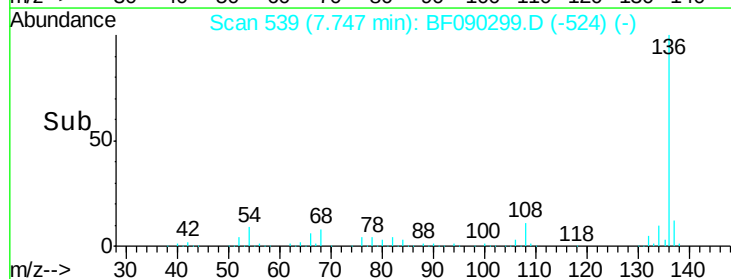
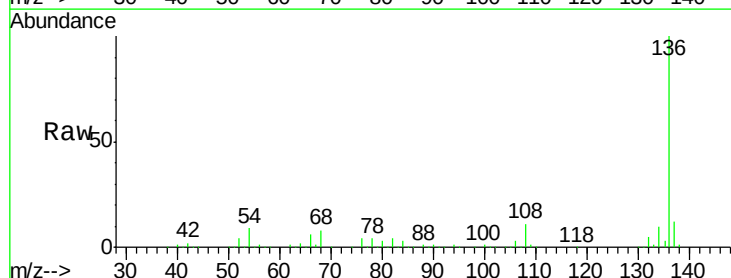
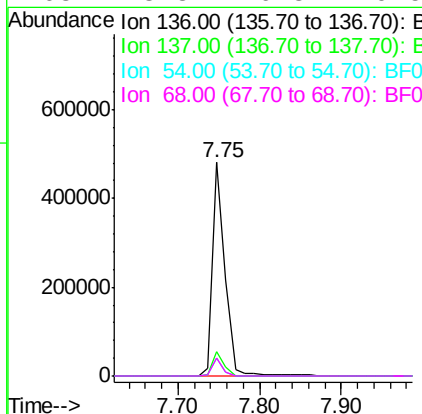
RT: 7.75 min Scan# 539

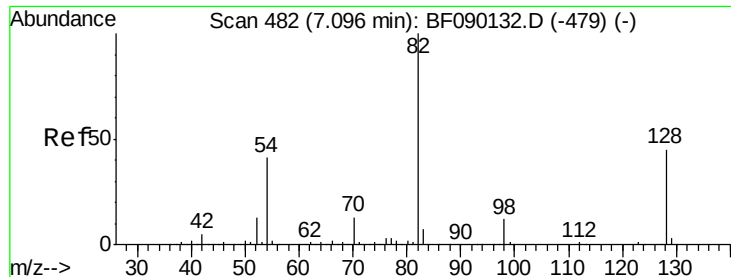
Delta R.T. -0.02 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

Tgt Ion:	136	Resp:	519857
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.0	13.4
54	8.5	6.4	9.6
68	8.3	6.3	9.5





#23

Nitrobenzene-d5

Concen: 20.51 ng

RT: 7.03 min Scan# 476

Delta R.T. -0.03 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

Instrument :

BNA_F

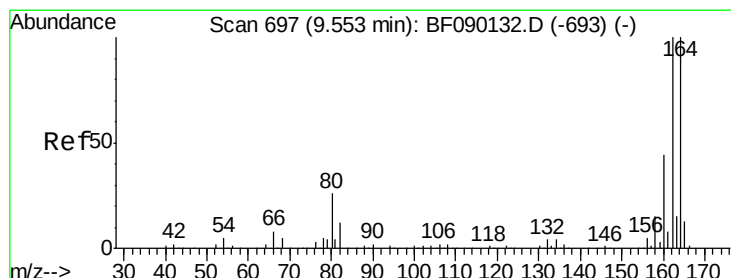
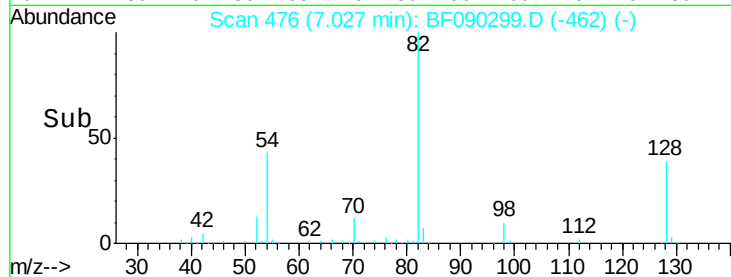
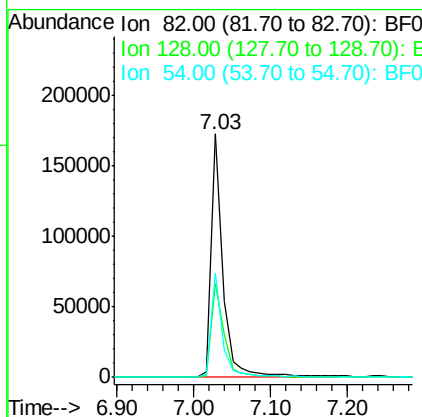
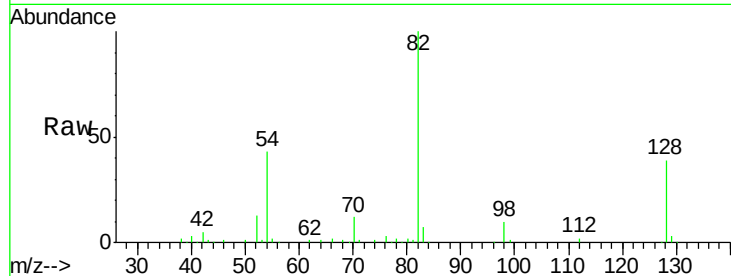
ClientSampled :

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Tot Ion:	82	Resp:	183900
Ion Ratio	Lower	Upper	
82	100		
128	38.7	37.5	56.3
54	42.7	31.9	47.9

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#38

Acenaphthene-d10

Concen: 20.00 ng

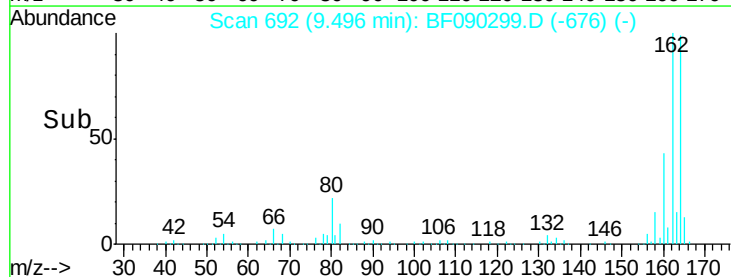
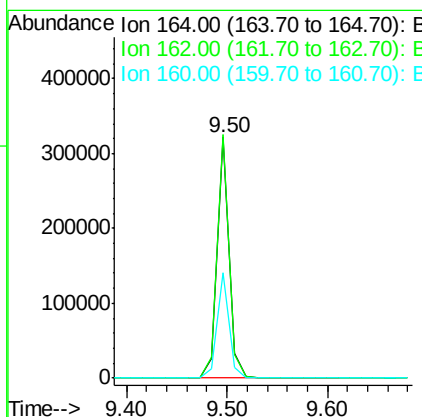
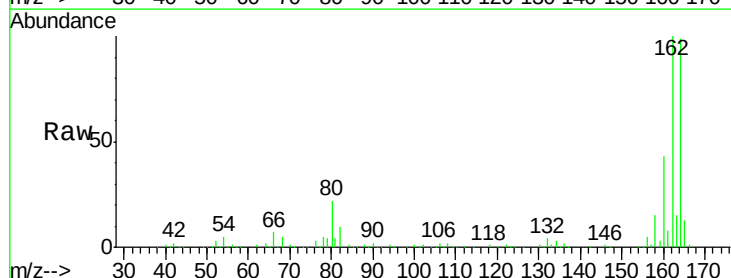
RT: 9.50 min Scan# 692

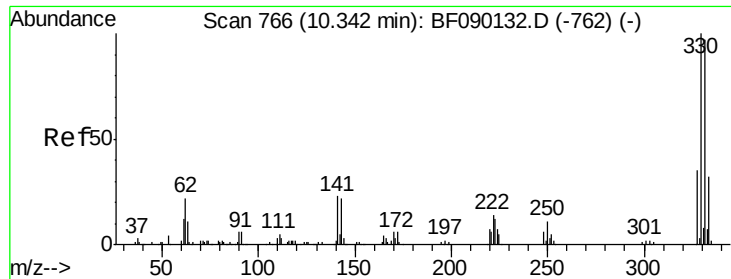
Delta R.T. -0.01 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

Tgt Ion:	164	Resp:	266668
Ion Ratio	Lower	Upper	
164	100		
162	101.1	81.4	122.2
160	43.9	36.6	54.8





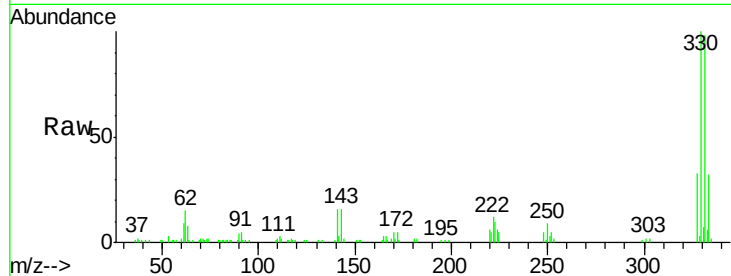
#41
 2,4,6-Tribromophenol
 Concen: 25.68 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

Instrument :
 BNA_F
 ClientSampled :
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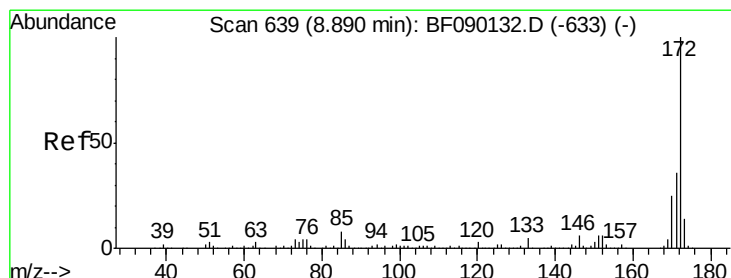
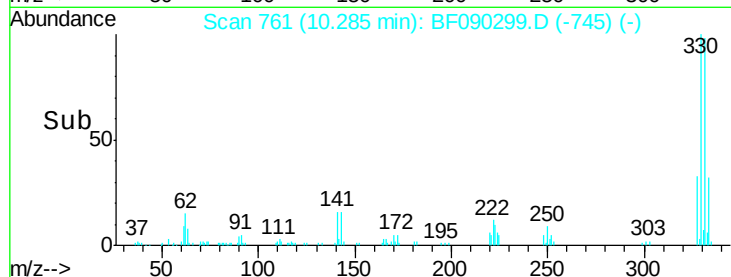
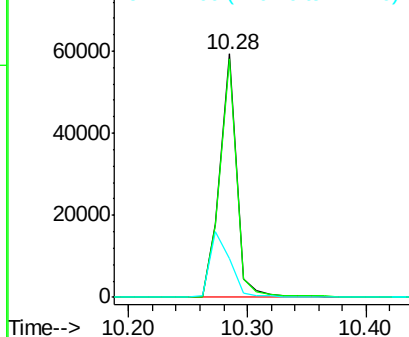
Tot Ion:	330	Resp:	58754
Ion Ratio	Lower	Upper	
330	100		
332	98.3	78.1	117.1
141	32.3	23.9	35.9

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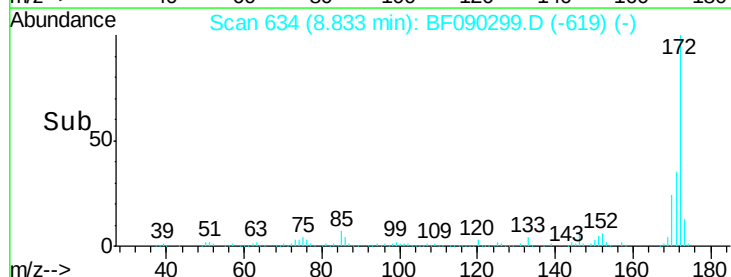
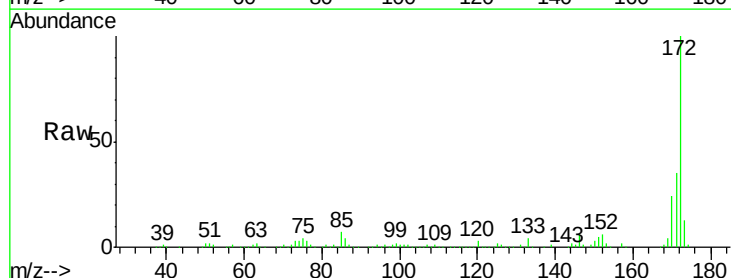
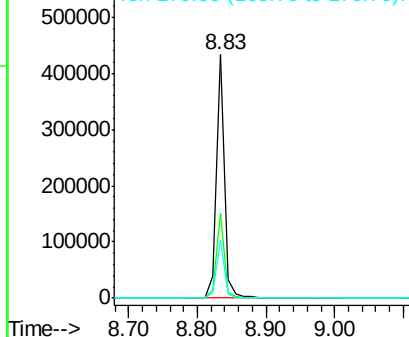
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

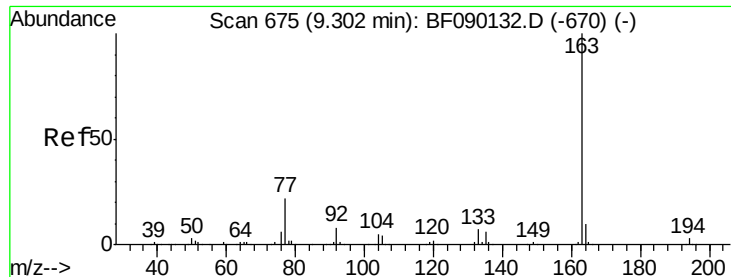


#44
 2-Fluorobiphenyl
 Concen: 26.69 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

Tgt Ion:	172	Resp:	362547
Ion Ratio	Lower	Upper	
172	100		
171	34.8	29.2	43.8
170	23.7	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: 5.74 ng

RT: 9.23 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

Instrument :

BNA_F

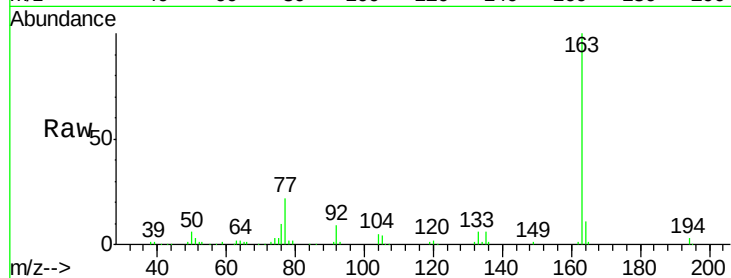
ClientSampled :

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Tot Ion:	163	Resp:	97510
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.8	4.2
164	10.6	8.1	12.1

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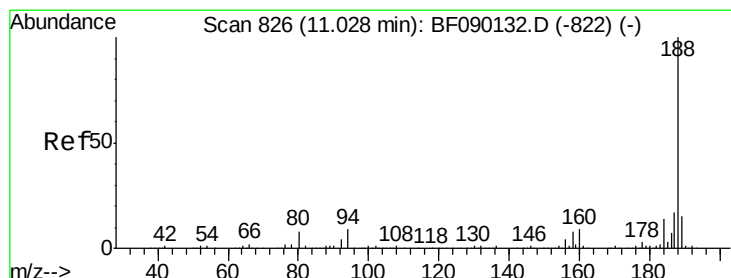
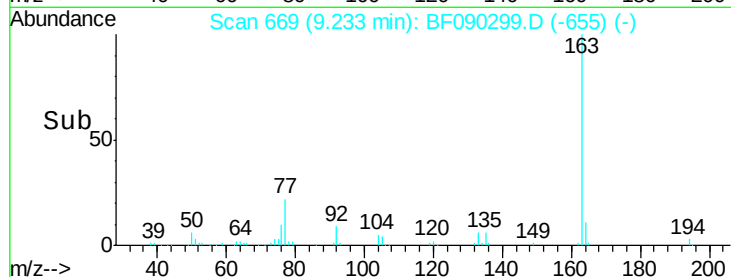
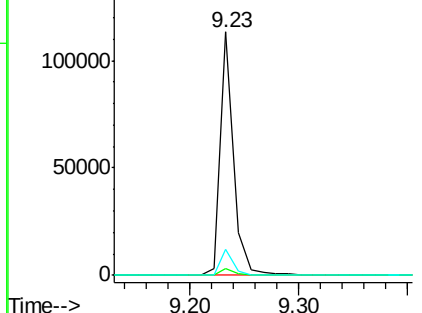
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Abundance Ion 163.00 (162.70 to 163.70): E

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

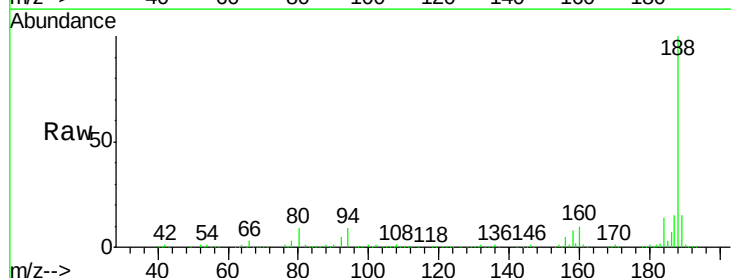
RT: 10.97 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

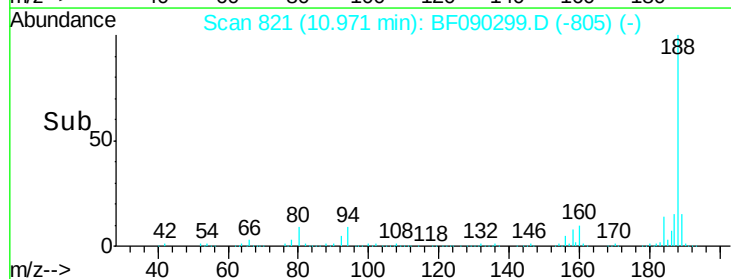
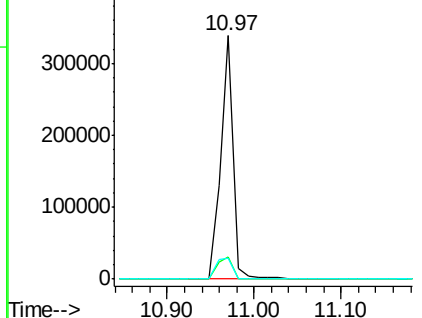
Tgt Ion:	188	Resp:	344680
Ion Ratio	Lower	Upper	
188	100		
94	9.1	10.5	15.7#
80	8.8	11.2	16.8#

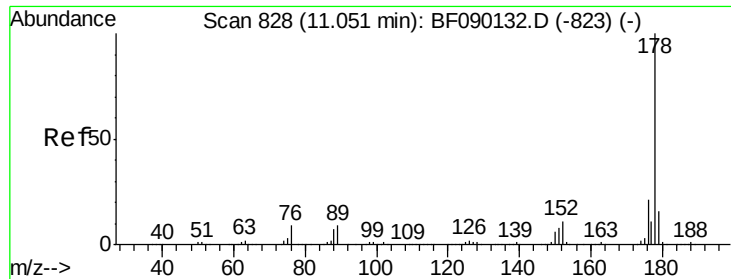


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





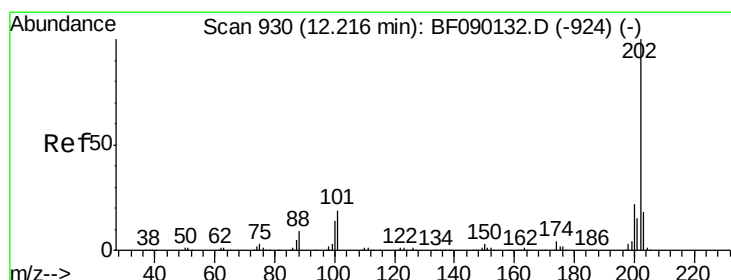
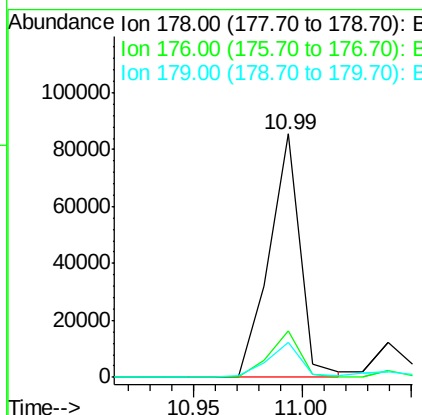
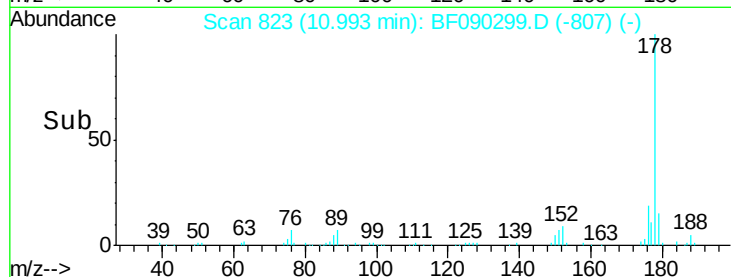
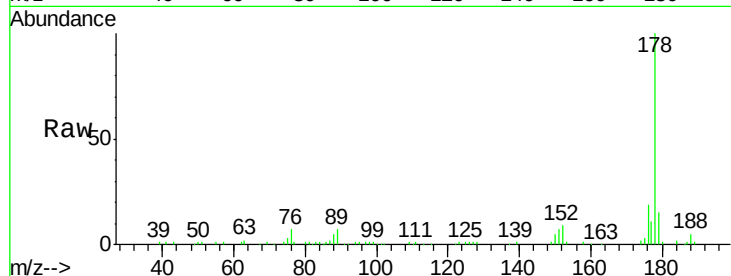
#70
Phenanthrene
Concen: 5.29 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	14.5	12.9	19.3

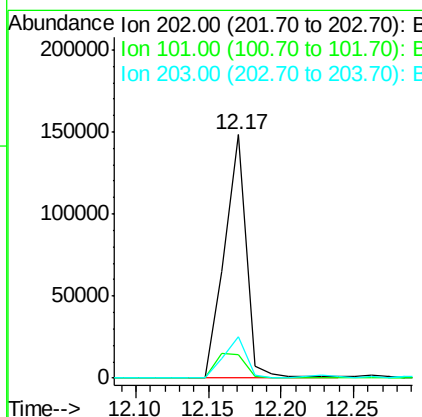
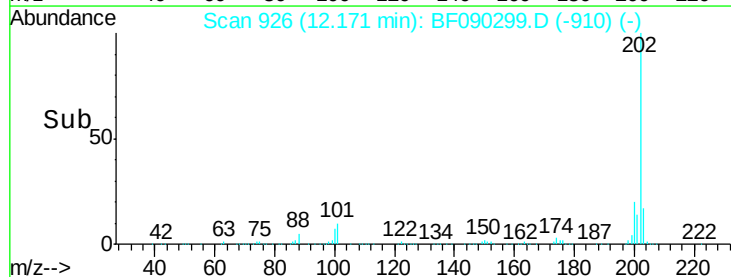
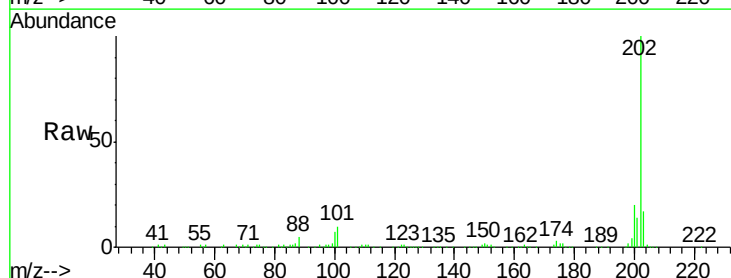
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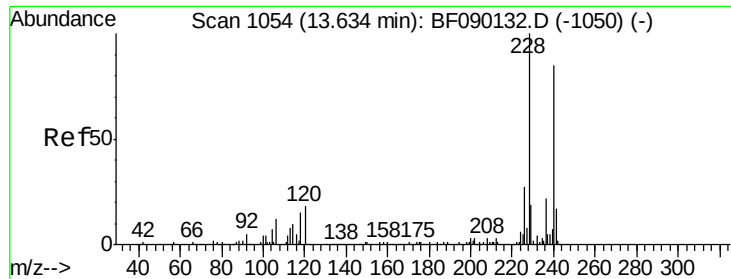
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#74
Fluoranthene
Concen: 9.04 ng
RT: 12.17 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	36.1
203	17.0	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.59 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

Instrument :

BNA_F

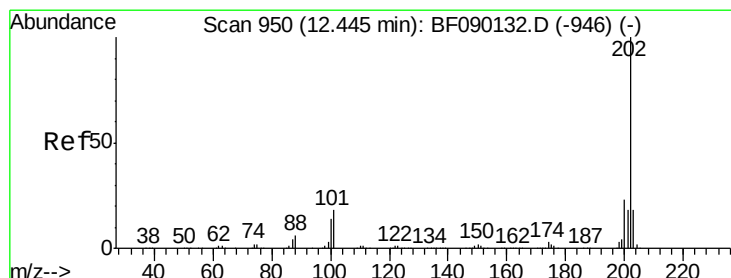
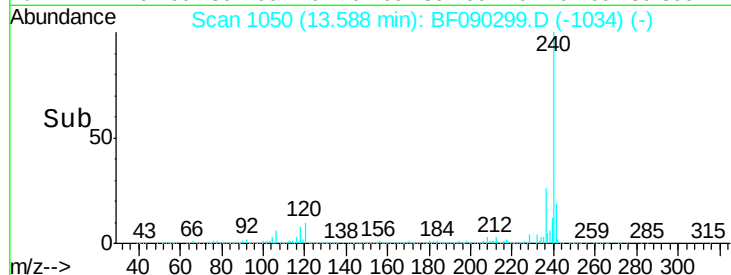
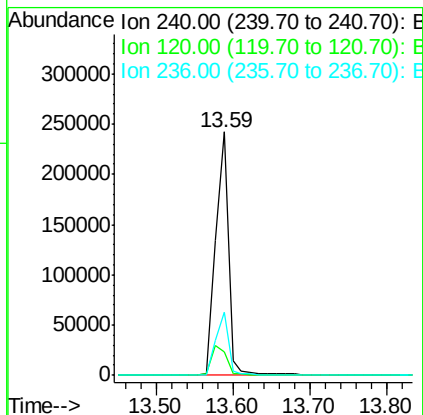
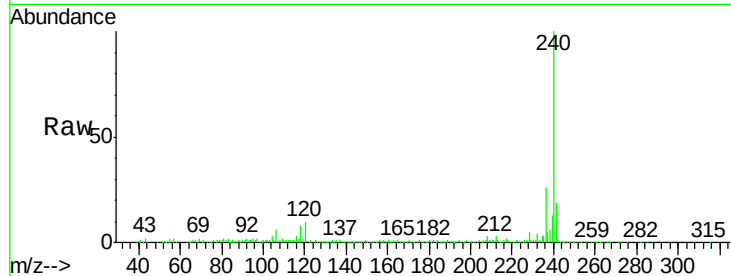
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	10.6	16.0#
236	25.7	21.6	32.4

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#77

Pyrene

Concen: 6.59 ng

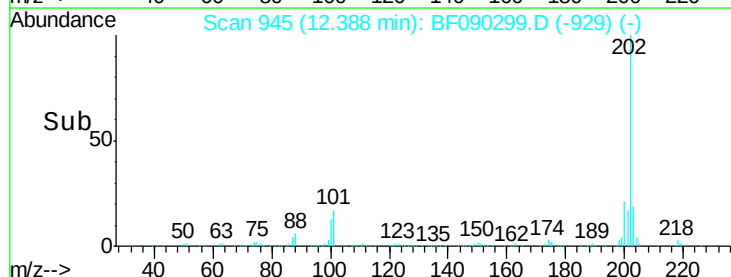
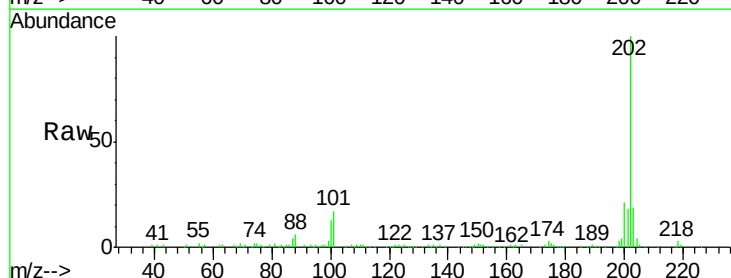
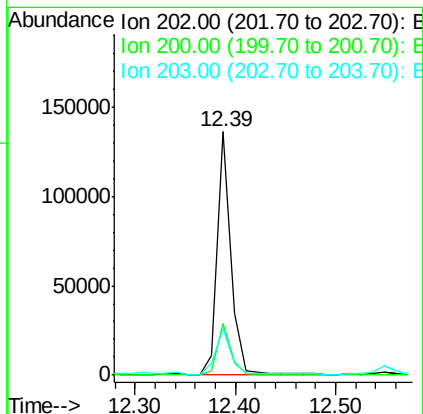
RT: 12.39 min Scan# 945

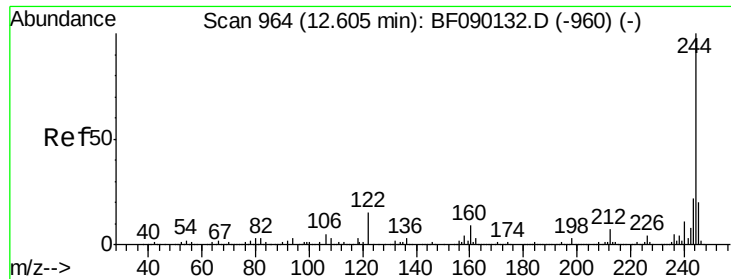
Delta R.T. -0.01 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.9	26.9
203	19.2	14.2	21.4





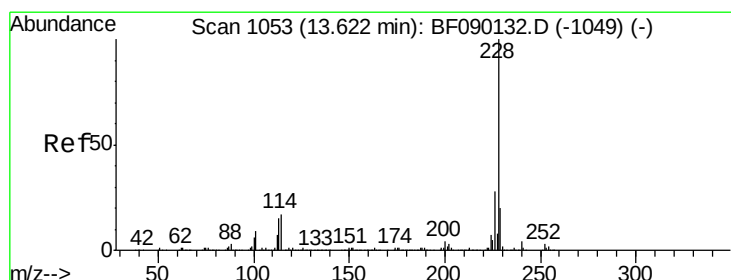
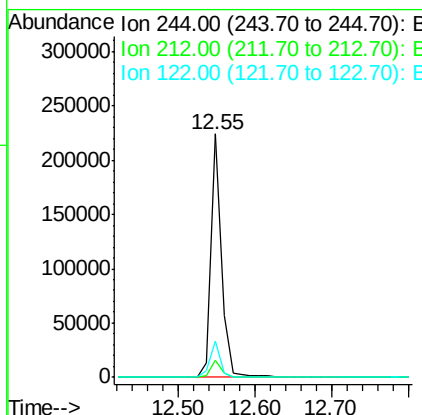
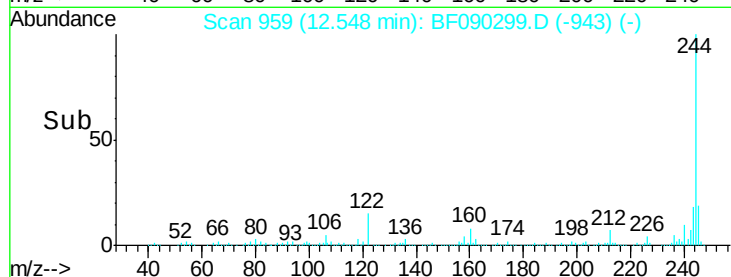
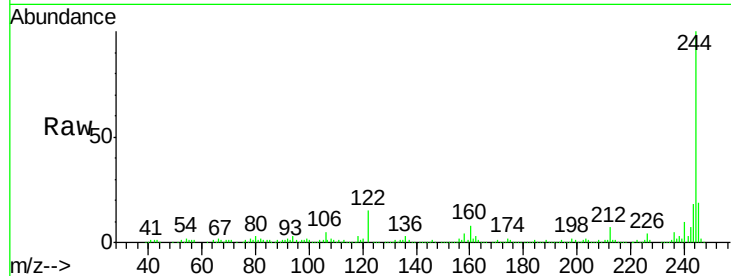
#78
 Terphenyl-d14
 Concen: 19.00 ng
 RT: 12.55 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	14.9	9.4	14.0

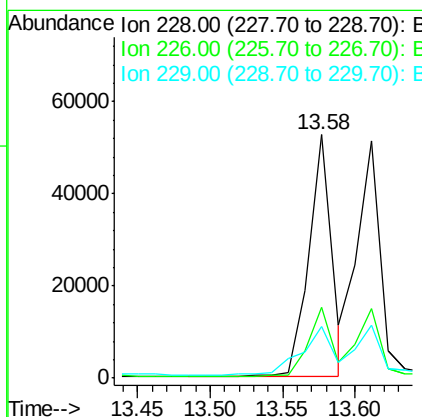
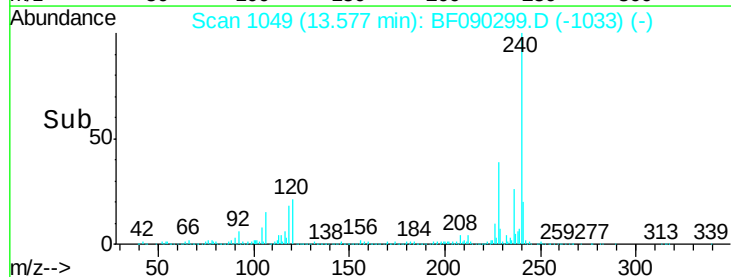
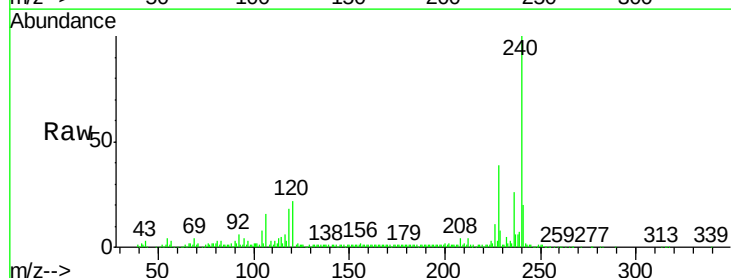
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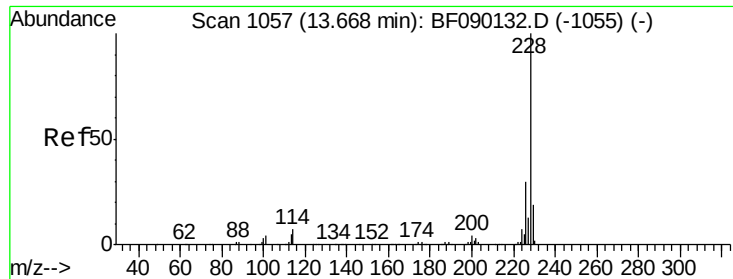
sohil
 9/30/2016 4:00:34 PM



#80
 Benzo(a)anthracene
 Concen: 3.78 ng
 RT: 13.58 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BF090299.D
 Acq: 29 Sep 2016 19:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.0	33.0
229	21.2	16.2	24.2





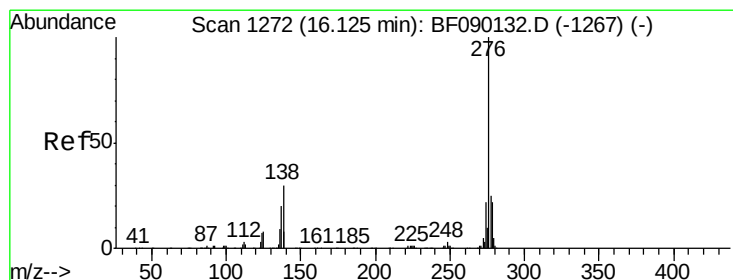
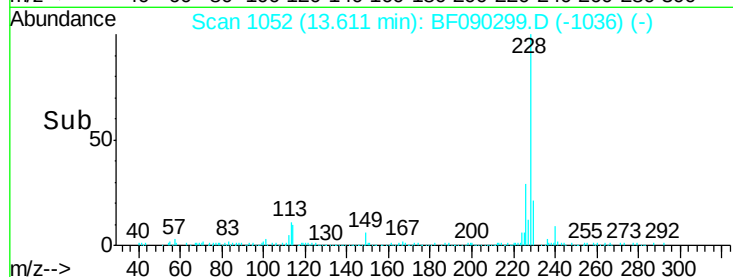
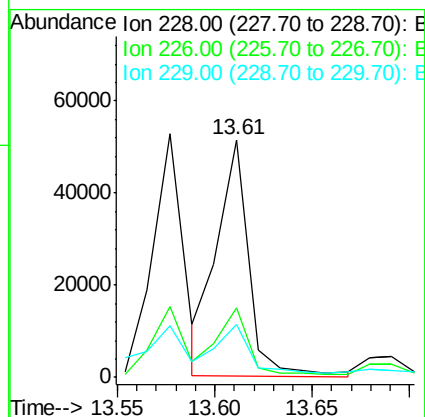
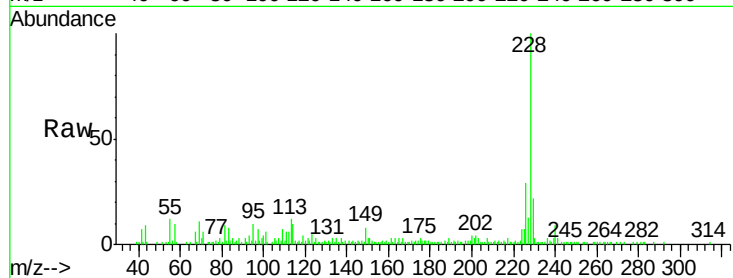
#82
Chrysene
Concen: 3.99 ng/mL
RT: 13.61 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Instrument :
BNA_F
ClientSampled :
S-34

Tot Ion:	228	Resp:	59254
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.6	37.0
229	22.3	16.2	24.4

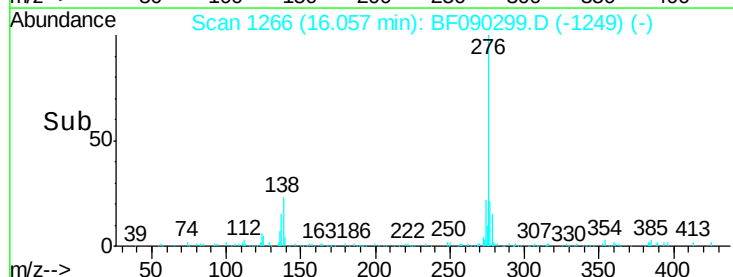
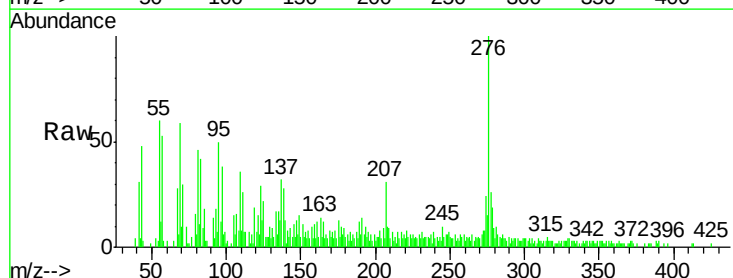
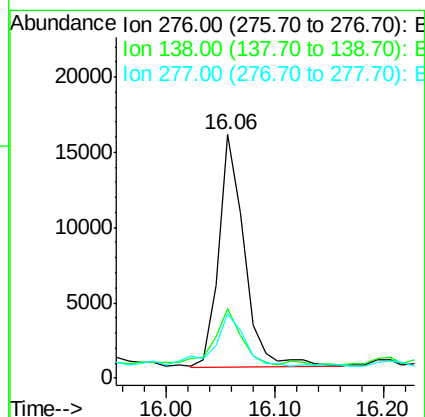
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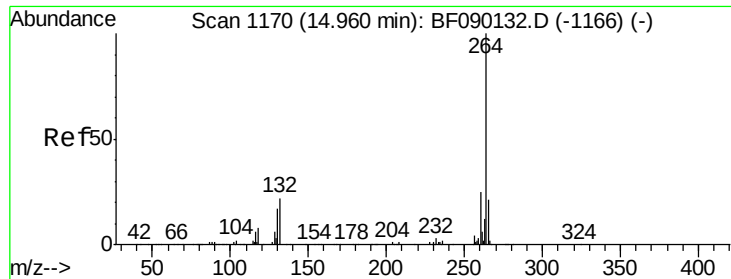
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.12 ng/mL
RT: 16.06 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Tgt Ion:	276	Resp:	25407
Ion Ratio	Lower	Upper	
276	100		
138	29.4	25.9	38.9
277	29.1	19.9	29.9





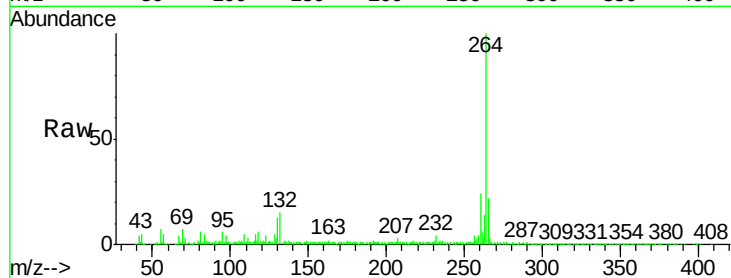
#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.91 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Instrument :
BNA_F
ClientSampleId :
S-34

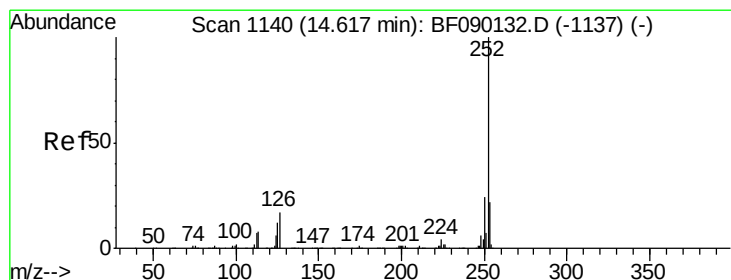
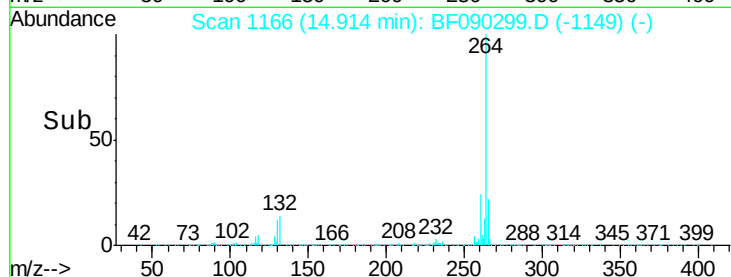
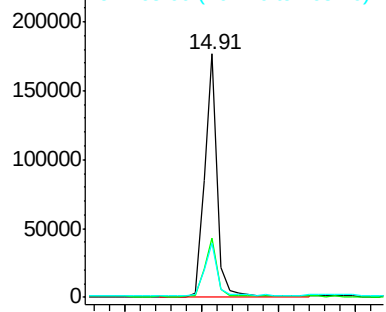
Tot Ion:	264	Resp:	204463
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	22.3	17.0	25.4

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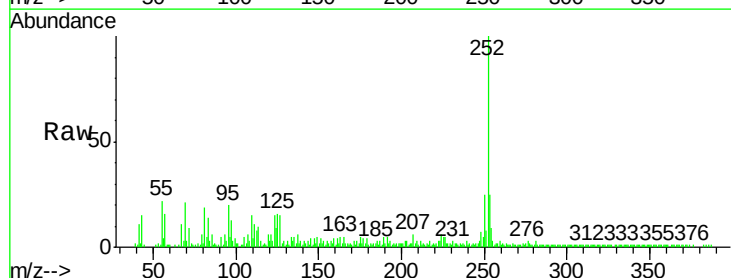


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

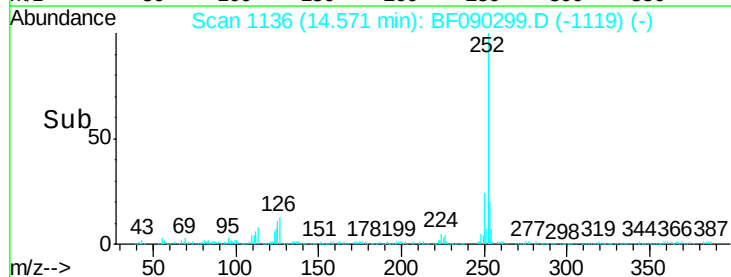
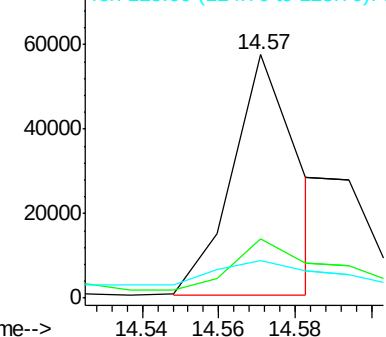


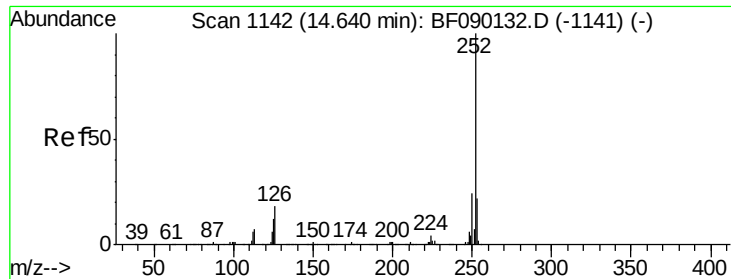
#87
Benzo(b)fluoranthene
Concen: 6.03 ng m
RT: 14.57 min Scan# 1136
Delta R.T. -0.00 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Tgt Ion:	252	Resp:	68220
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.9	26.9
125	15.5	12.7	19.1



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





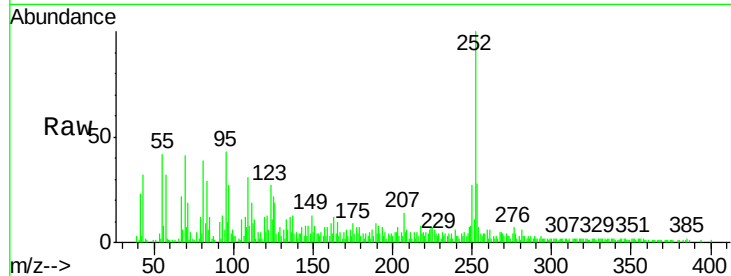
#88
Benzo(k)fluoranthene
Concen: 2.29 ng/ml
RT: 14.58 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.8	26.8#
125	22.2	7.8	11.6#

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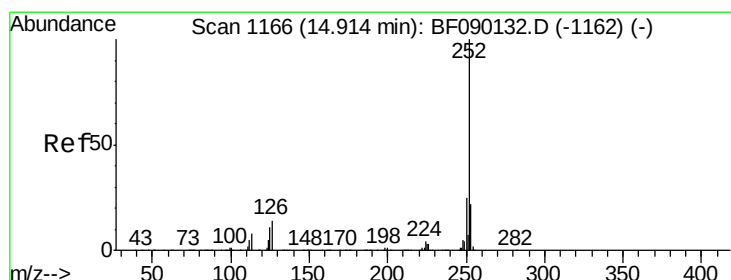
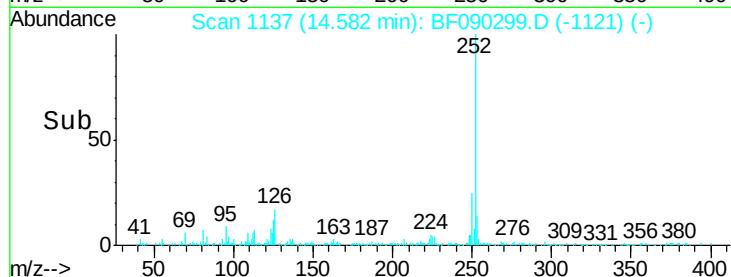
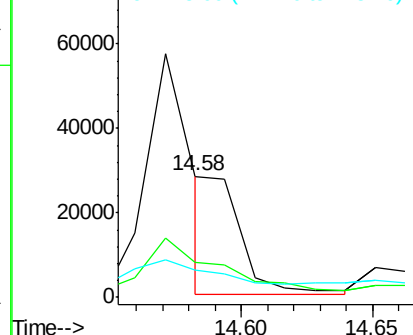


Abundance

Ion 252.00 (251.70 to 252.70): E

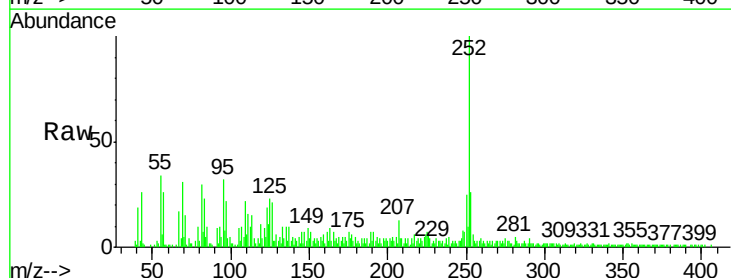
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 3.77 ng/ml
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF090299.D
Acq: 29 Sep 2016 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.4	26.0
125	22.8	7.7	11.5#

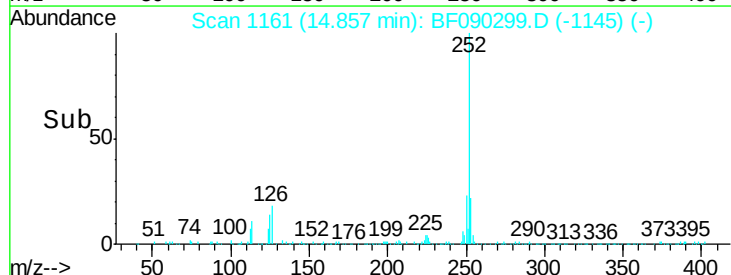
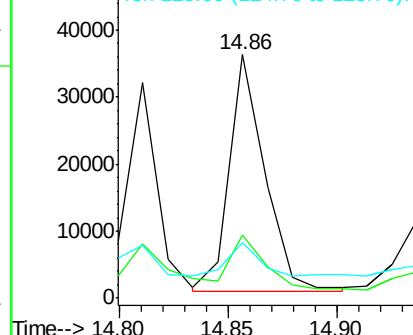


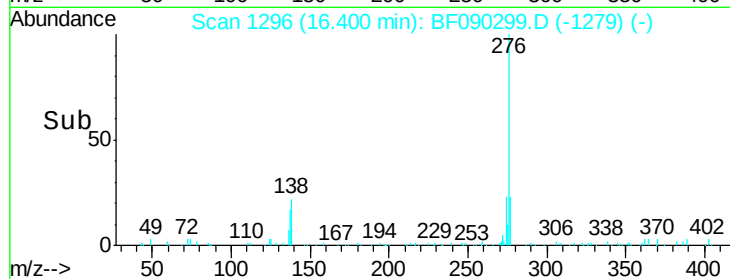
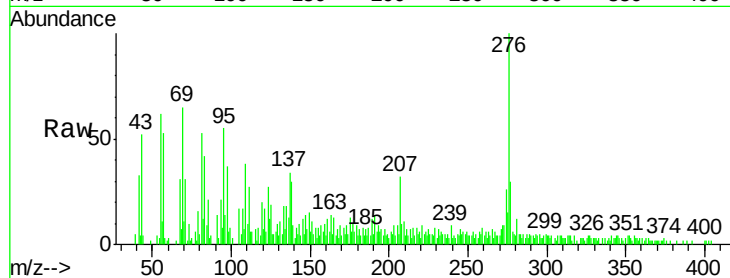
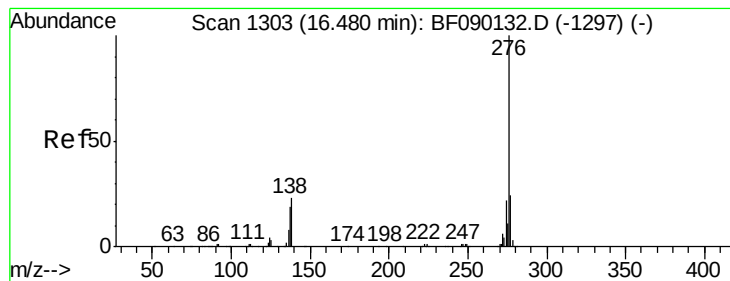
Abundance

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(a,h,i)perylene

Concen: 3.13 ng

RT: 16.40 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BF090299.D

Acq: 29 Sep 2016 19:43

Instrument :

BNA_F

ClientSampled :

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Tot Ion:	276	Resp:	25442
Ion Ratio	Lower	Upper	
276	100		
277	29.6	18.9	28.3#
138	29.6	23.3	34.9

Manual Integrations
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