

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
 Data File : BF090599.D
 Acq On : 15 Oct 2016 10:44
 Operator : UM/SJ
 Sample : H5228-02 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6

Manual Integrations
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Quant Time: Oct 17 01:48:14 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 14 12:44:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	183086	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	740272	20.00	ng	-0.01
38) Acenaphthene-d10	9.96	164	347721	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	431975	20.00	ng	-0.01
75) Chrysene-d12	14.10	240	406955	20.00	ng	0.00
86) Perylene-d12	15.56	264	335832	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	236127	23.64	ng	-0.01
7) Phenol-d6	6.54	99	334519	22.54	ng	-0.01
23) Nitrobenzene-d5	7.48	82	199260	14.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	39354	12.69	ng	-0.01
44) 2-Fluorobiphenyl	9.29	172	300643	14.25	ng	0.00
78) Terphenyl-d14	13.03	244	204299	11.69	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.67	163	106892	4.74	ng	Qvalue # 98
70) Phenanthrene	11.47	178	118329	5.13	ng	98
74) Fluoranthene	12.66	202	301889	13.02	ng	90
77) Pyrene	12.89	202	287408	10.66	ng	98
80) Benzo(a)anthracene	14.09	228	160986m	6.95	ng	
82) Chrysene	14.12	228	170364m	7.63	ng	
85) Indeno(1,2,3-cd)pyrene	17.00	276	66523	5.15	ng	97
87) Benzo(b)fluoranthene	15.13	252	205301m	9.34	ng	
88) Benzo(k)fluoranthene	15.15	252	75448m	3.19	ng	
89) Benzo(a)pyrene	15.49	252	126293	6.28	ng	# 94
91) Benzo(g,h,i)perylene	17.44	276	68961	4.71	ng	93

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

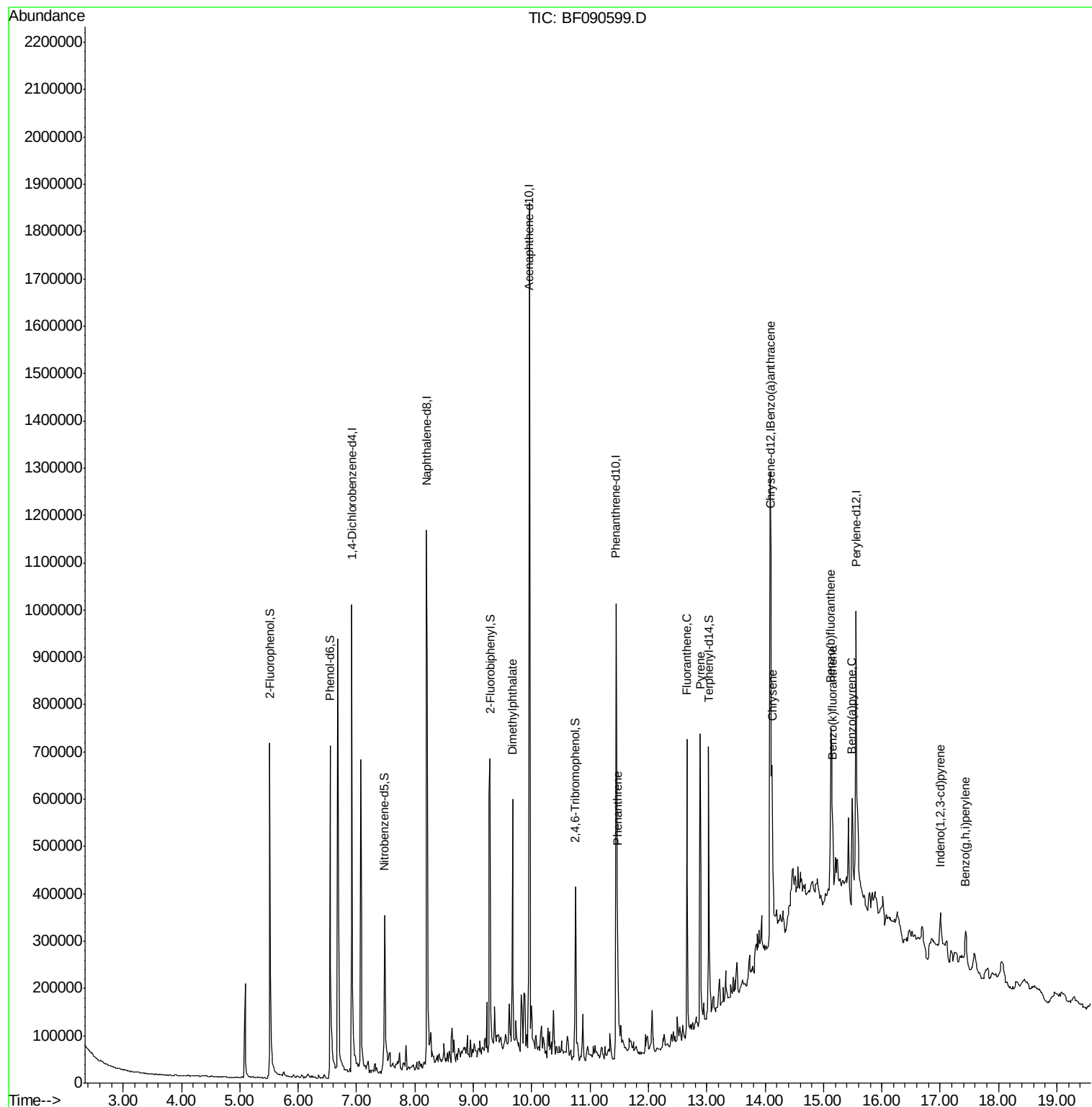
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090599.D
Acq On : 15 Oct 2016 10:44
Operator : UM/SJ
Sample : H5228-02 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

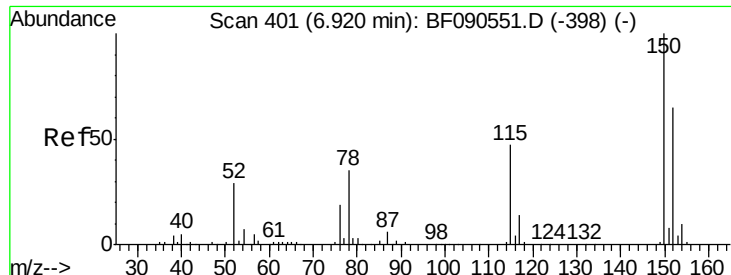
Instrument :
BNA_F
ClientSampleId :
6

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Quant Time: Oct 17 01:48:14 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 14 12:44:45 2016
Response via : Initial Calibration





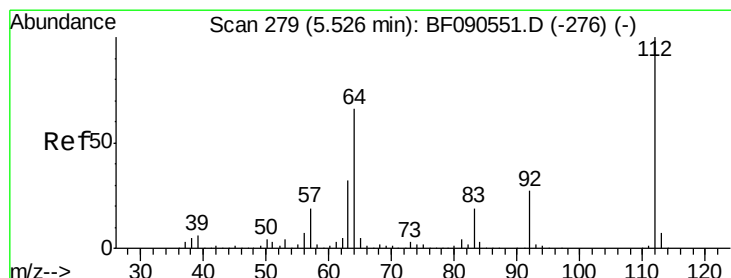
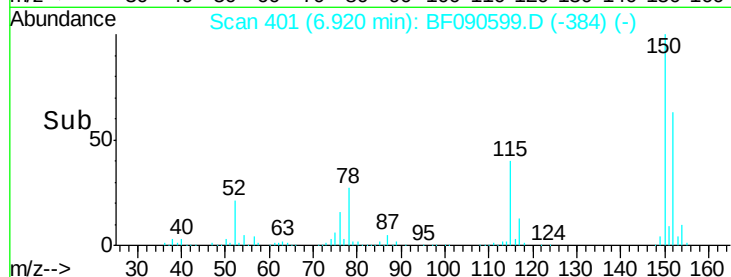
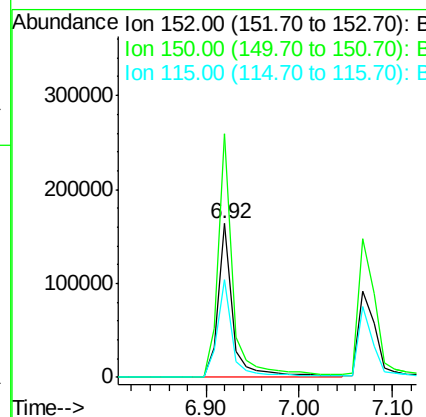
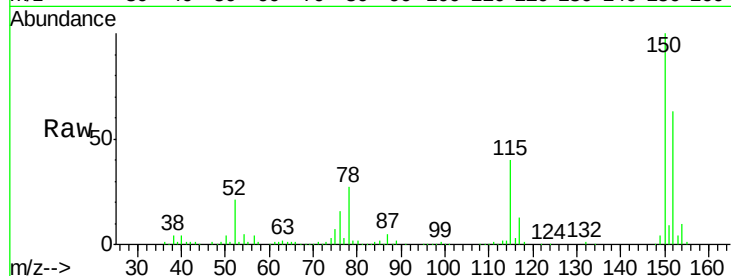
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.92 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: BF090599.D
 Acq: 15 Oct 2016 10:44

Instrument :
 BNA_F
 ClientSampled :
 6

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	127.2	190.8
115	63.3	58.6	88.0

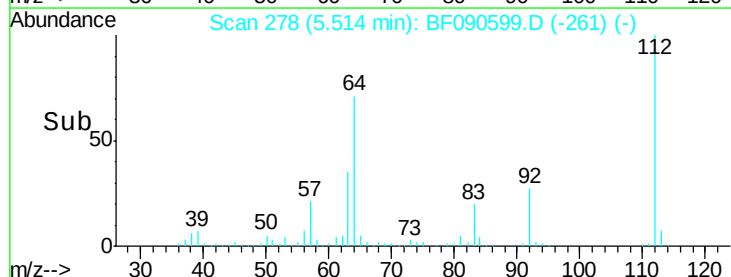
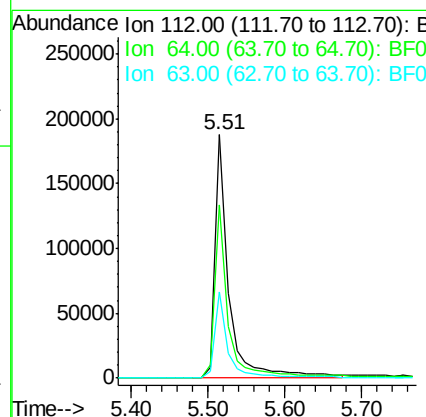
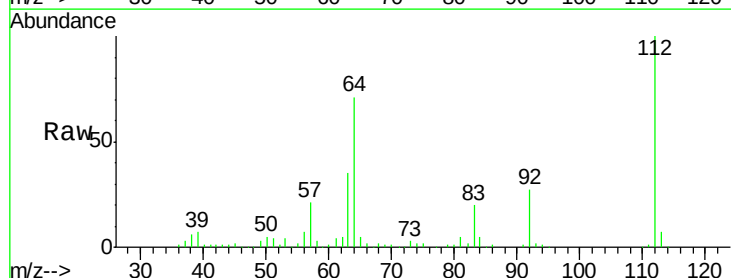
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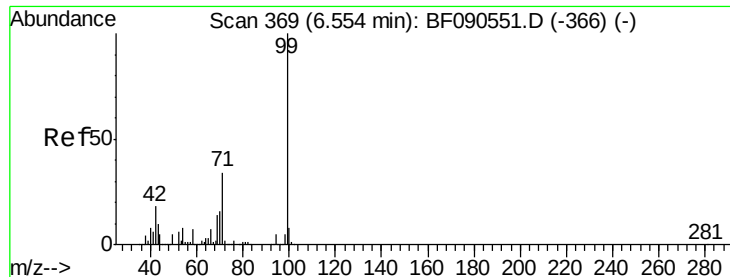
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#5
 2-Fluorophenol
 Concen: 23.64 ng
 RT: 5.51 min Scan# 278
 Delta R.T. -0.01 min
 Lab File: BF090599.D
 Acq: 15 Oct 2016 10:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.3	52.6	78.8
63	35.2	26.0	39.0





#7

Phenol-d6

Concen: 22.54 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

Instrument :

BNA_F

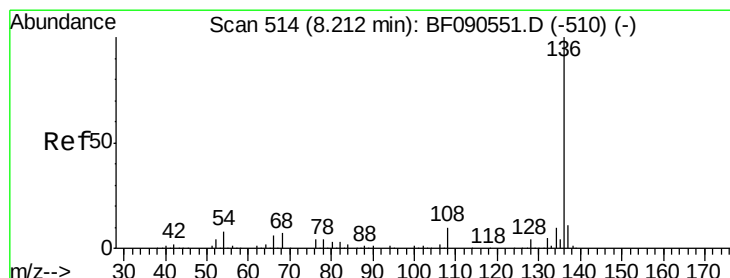
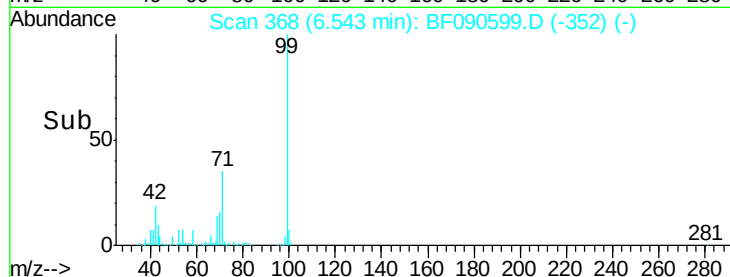
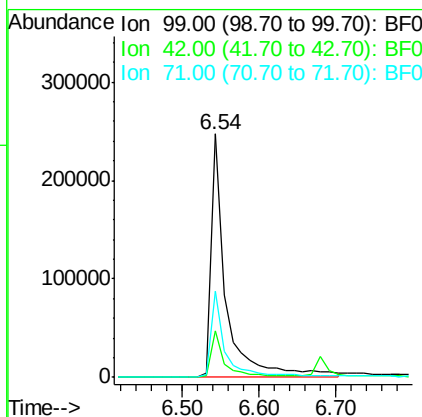
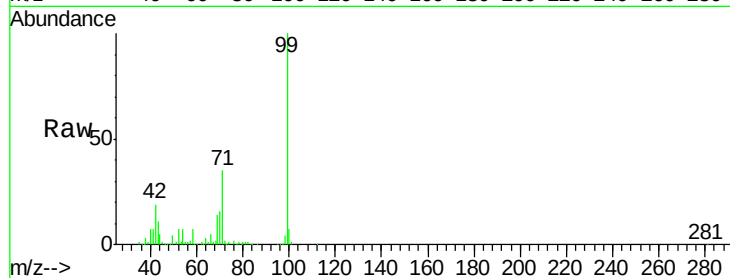
ClientSampled :

6

Tot Ion:	99	Resp:	334519
Ion	Ratio	Lower	Upper
99	100		
42	19.3	14.7	22.1
71	35.4	27.6	41.4

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#21

Naphthalene-d8

Concen: 20.00 ng

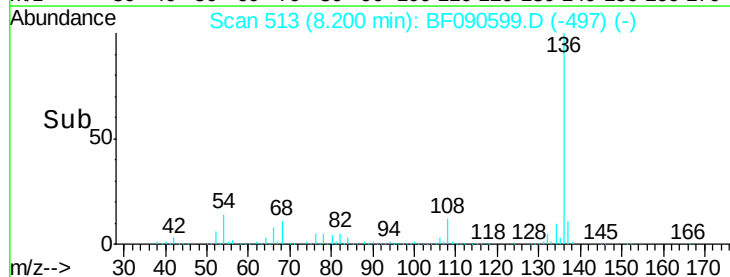
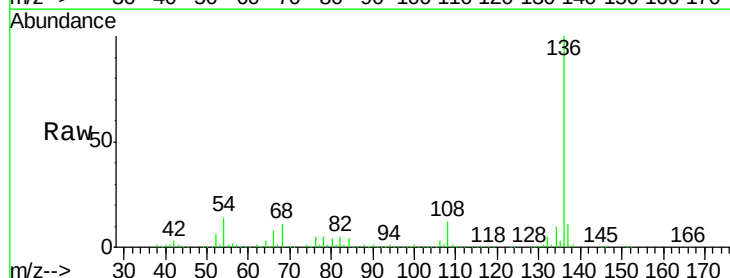
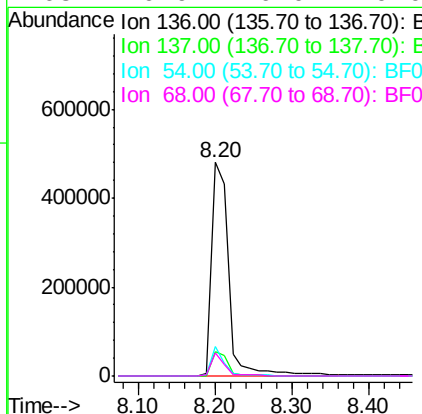
RT: 8.20 min Scan# 513

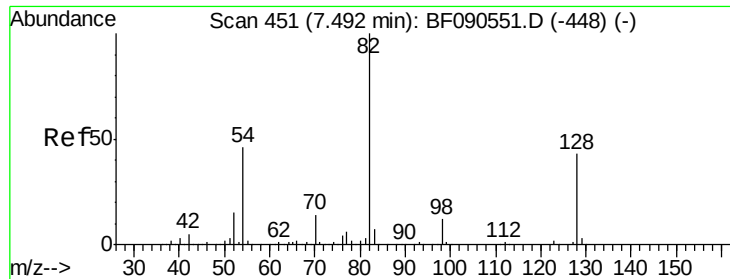
Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

Tgt Ion:	136	Resp:	740272
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	13.9	6.8	10.2#
68	10.9	6.0	9.0#





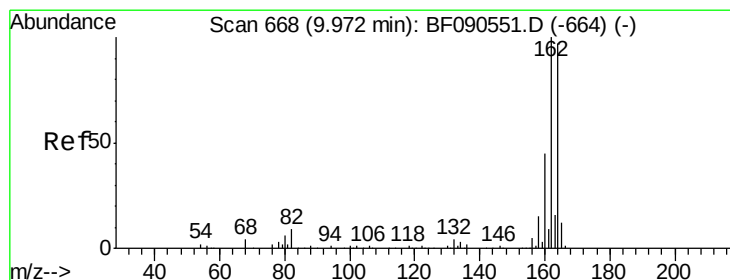
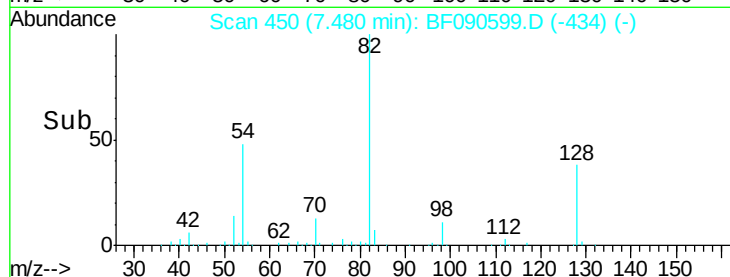
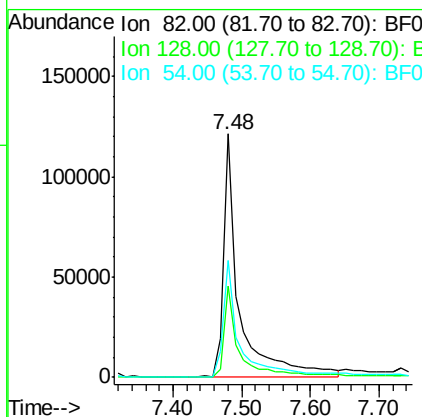
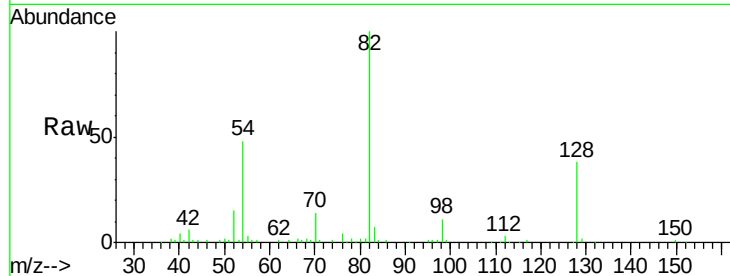
#23
Nitrobenzene-d5
Concen: 14.95 ng
RT: 7.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: BF090599.D
Acq: 15 Oct 2016 10:44

Instrument :
BNA_F
ClientSampled :
6

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.7	34.3	51.5
54	47.9	37.0	55.6

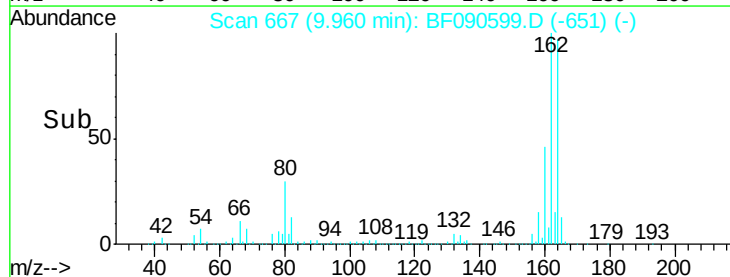
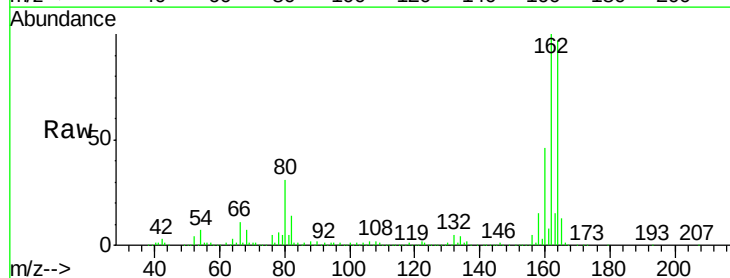
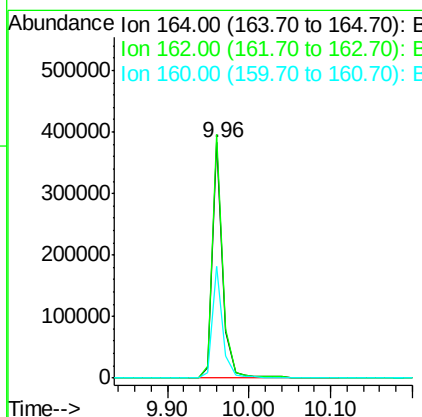
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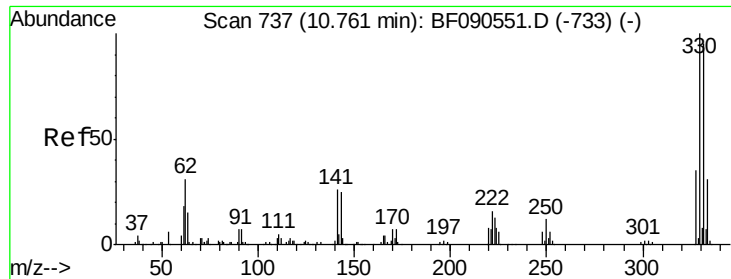
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 667
Delta R.T. -0.01 min
Lab File: BF090599.D
Acq: 15 Oct 2016 10:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.2	123.4
160	47.4	36.6	55.0





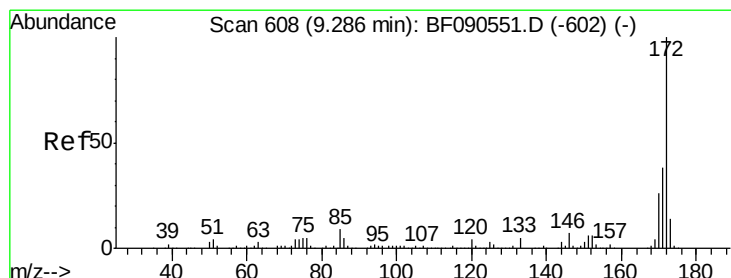
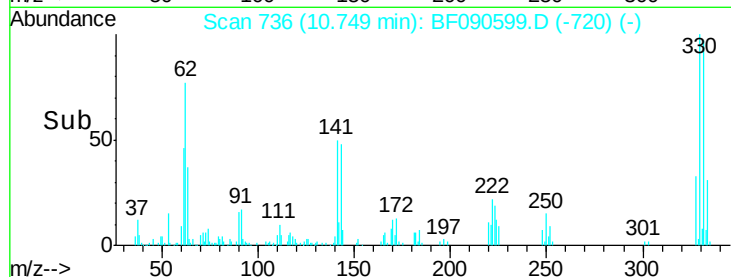
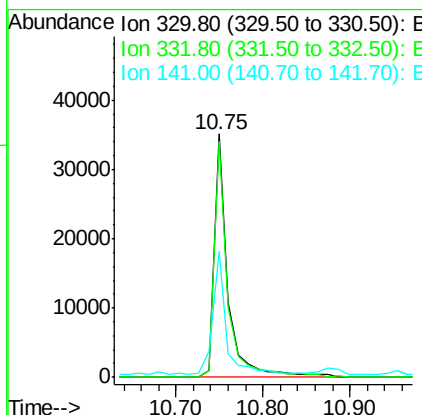
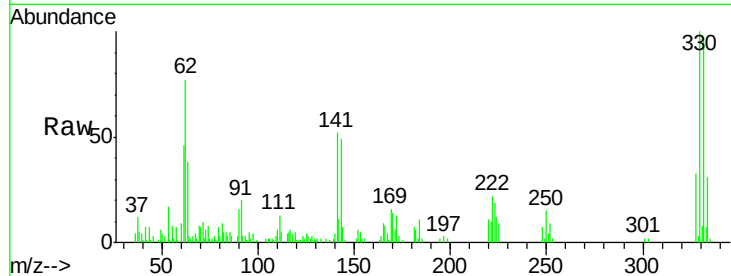
#41
 2,4,6-Tribromophenol
 Concen: 12.69 ng
 RT: 10.75 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF090599.D
 Acq: 15 Oct 2016 10:44

Instrument :
 BNA_F
 ClientSampled :
 6

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.2	114.2
141	50.6	31.4	47.2#

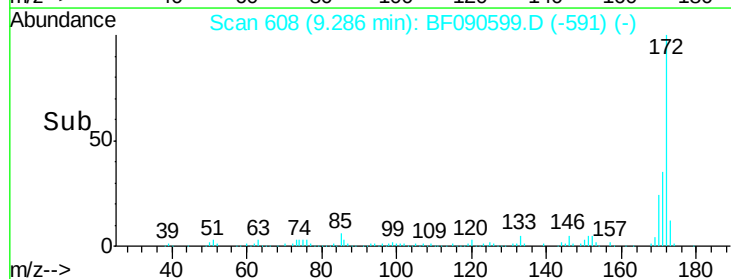
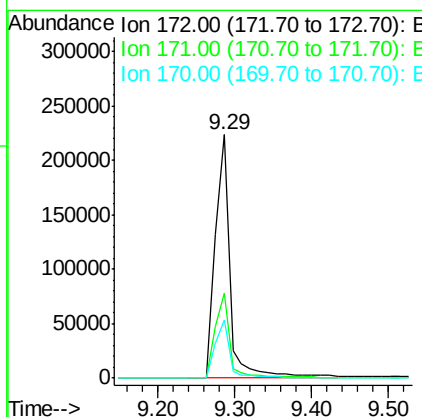
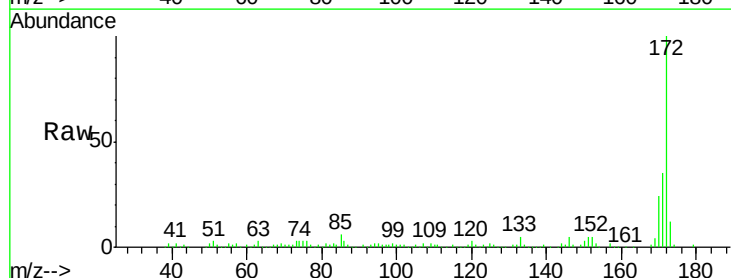
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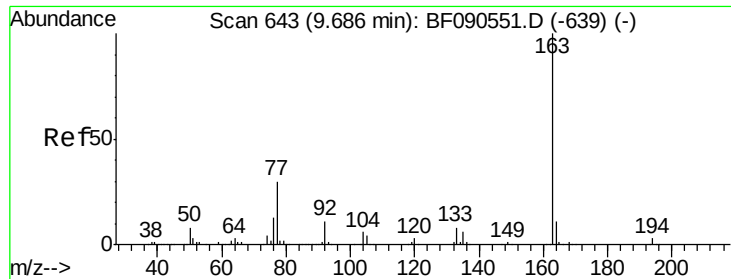
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#44
 2-Fluorobiphenyl
 Concen: 14.25 ng
 RT: 9.29 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: BF090599.D
 Acq: 15 Oct 2016 10:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.1	45.1
170	23.7	20.6	30.8





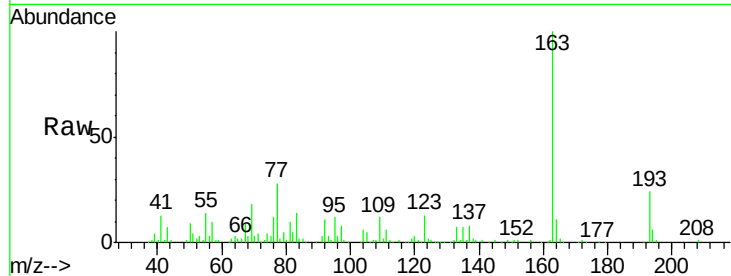
#49
Dimethylphthalate
Concen: 4.74 ng
RT: 9.67 min Scan# 642
Delta R.T. -0.01 min
Lab File: BF090599.D
Acq: 15 Oct 2016 10:44

Instrument :
BNA_F
ClientSampled :
6

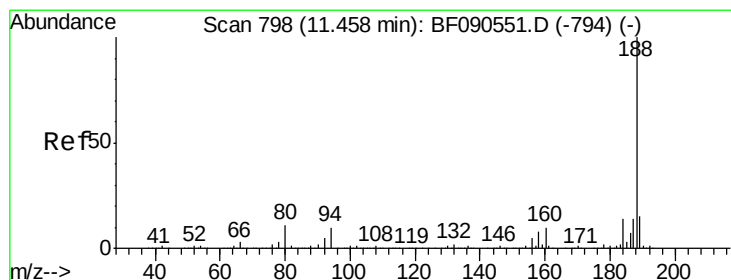
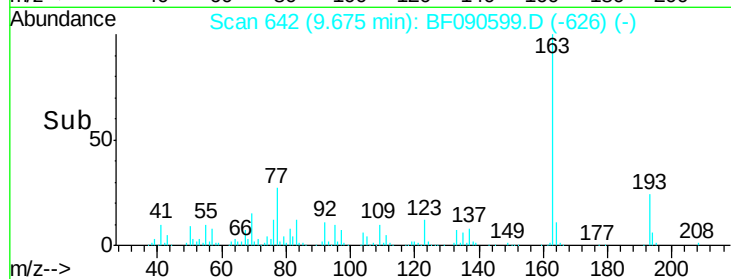
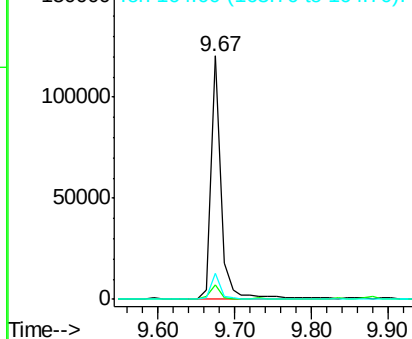
Tot Ion	Ratio	Resp	Lower	Upper
163	100	106892		
194	6.1	2.3	3.5#	
164	10.8	8.6	13.0	

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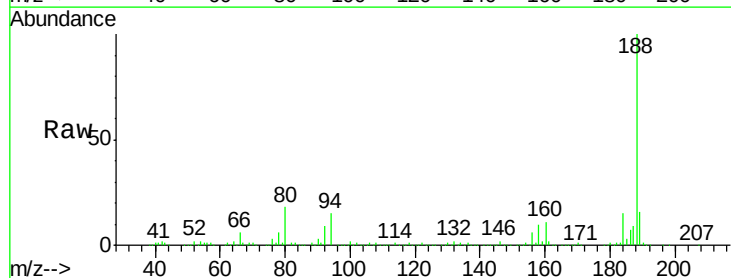


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

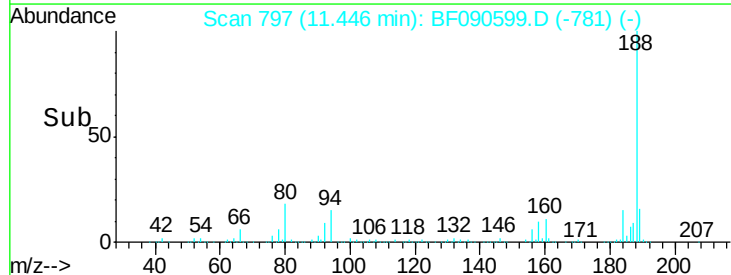
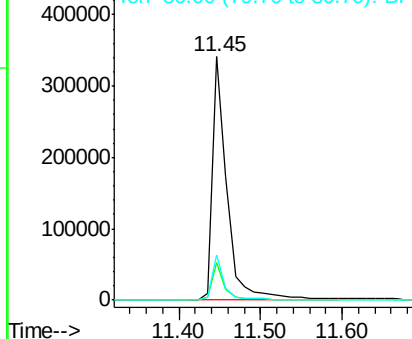


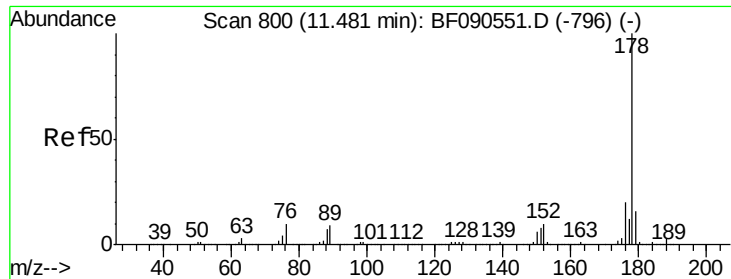
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF090599.D
Acq: 15 Oct 2016 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	431975		
94	15.4	7.7	11.5#	
80	18.4	8.6	12.8#	



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: 5.13 ng

RT: 11.47 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

Instrument :

BNA_F

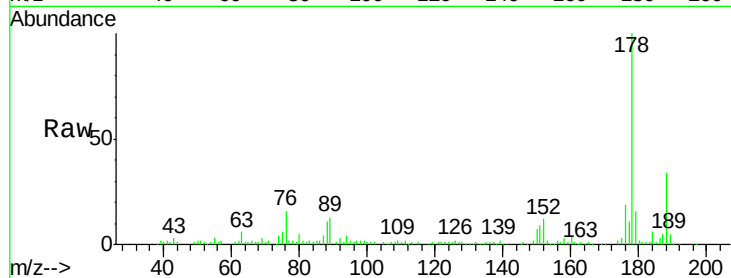
ClientSampleId :

6

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.1	24.1
179	16.0	12.6	19.0

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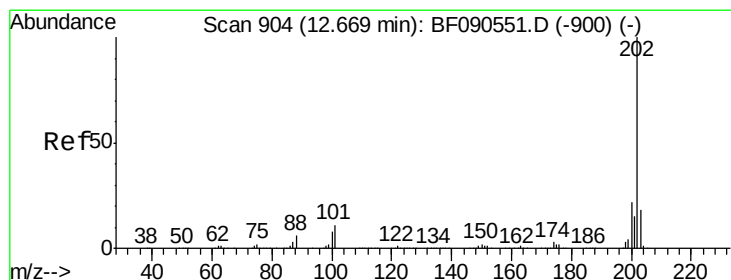
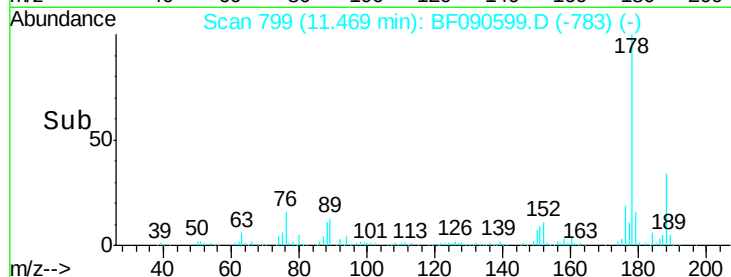
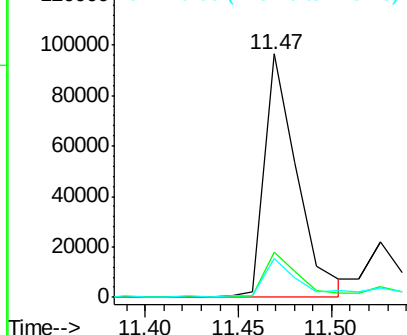
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 13.02 ng

RT: 12.66 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF090599.D

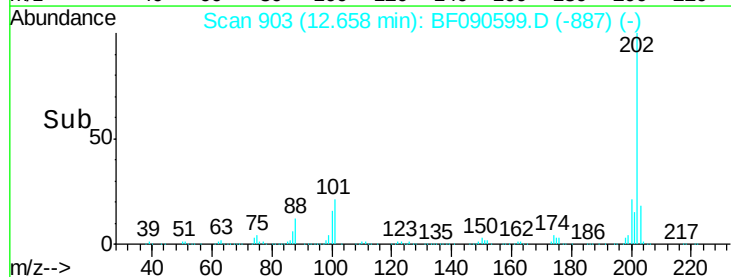
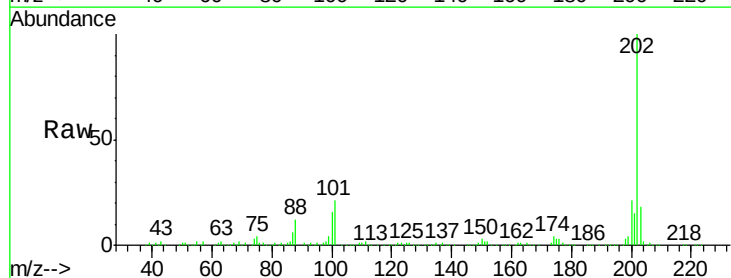
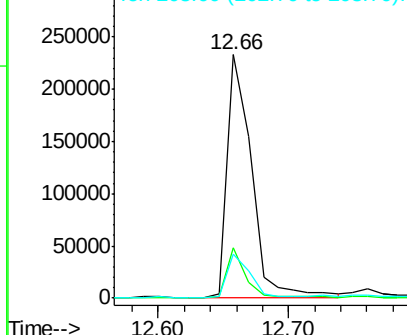
Acq: 15 Oct 2016 10:44

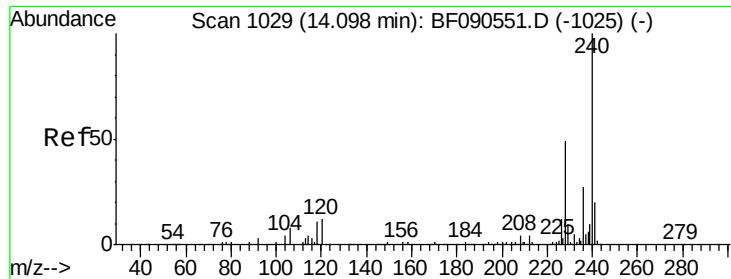
Tgt Ion	Ratio	Lower	Upper
202	100		
101	20.8	0.0	31.1
203	17.8	0.0	38.0

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: 14.10 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

Instrument :

BNA_F

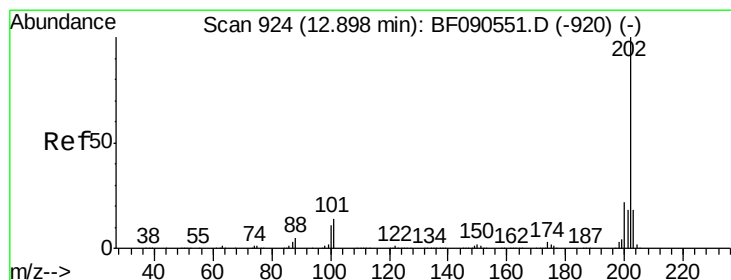
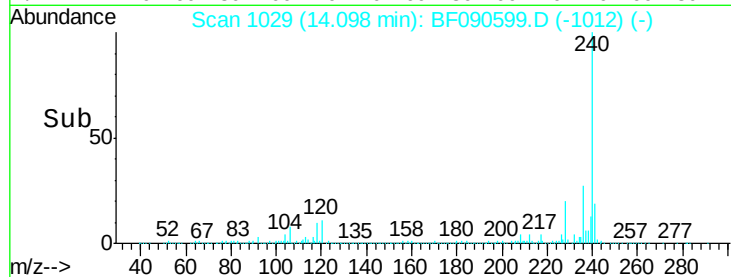
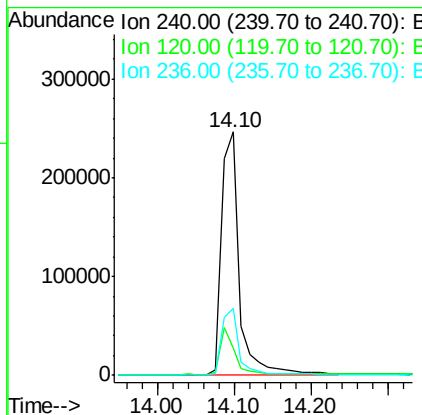
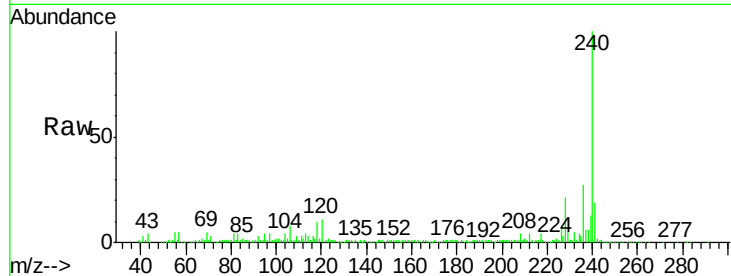
ClientSampled :

6

Tot Ion:	240	Resp:	406955
Ion Ratio		Lower	Upper
240	100		
120	11.1	9.8	14.8
236	27.4	21.7	32.5

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#77

Pyrene

Concen: 10.66 ng

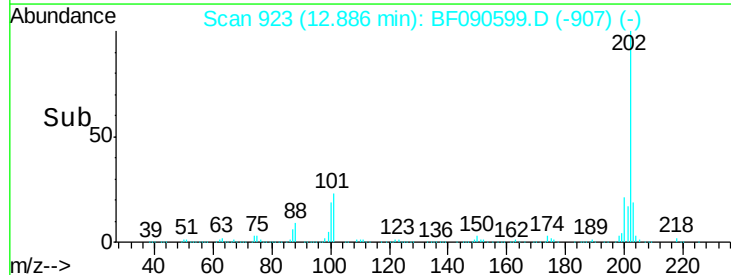
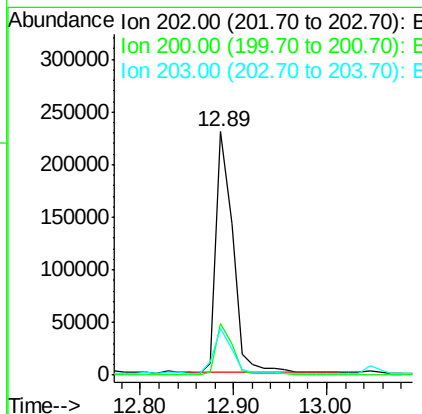
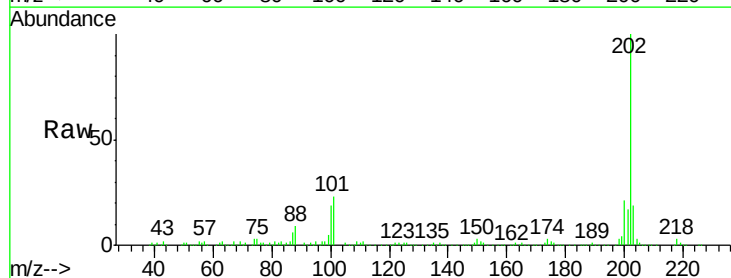
RT: 12.89 min Scan# 923

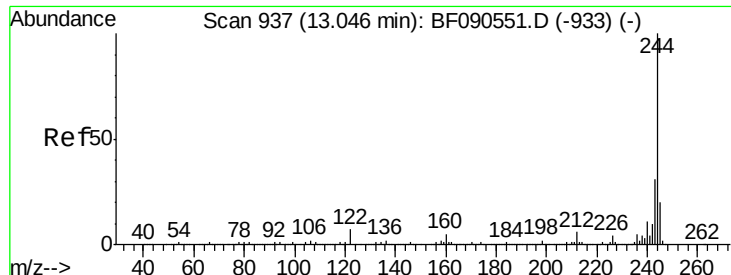
Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

Tgt Ion:	202	Resp:	287408
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.8	26.6
203	18.9	14.6	21.8





#78

Terphenyl-d14

Concen: 11.69 ng

RT: 13.03 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

Instrument :

BNA_F

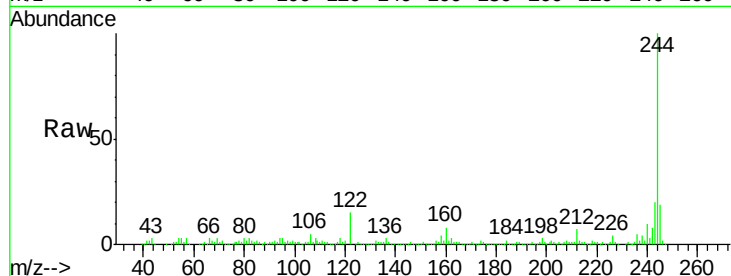
ClientSampled :

6

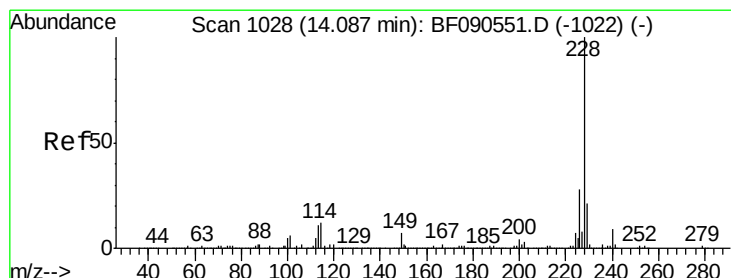
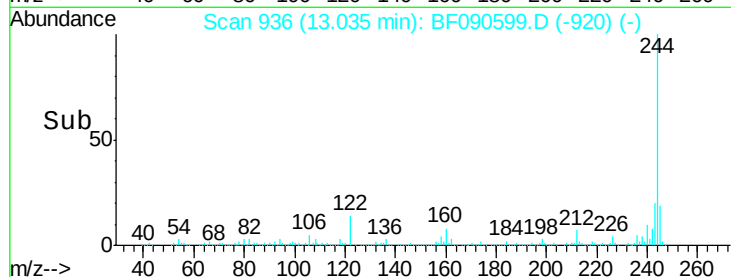
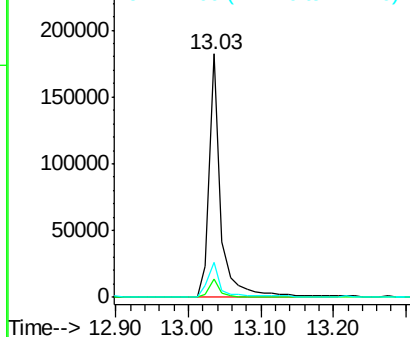
Tot Ion:	244	Resp:	204299
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.0	7.4
122	14.5	5.6	8.4#

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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: 6.95 ng m

RT: 14.09 min Scan# 1028

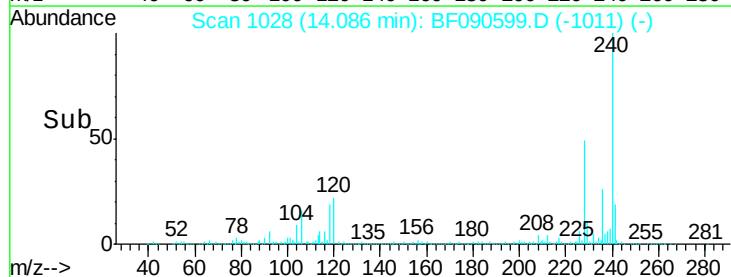
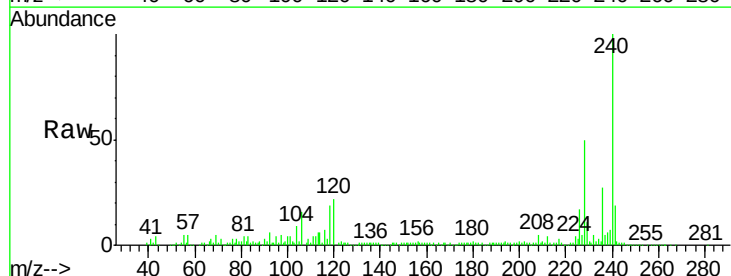
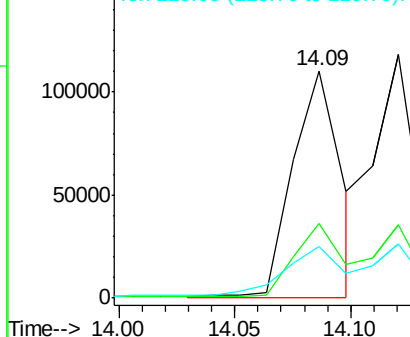
Delta R.T. -0.00 min

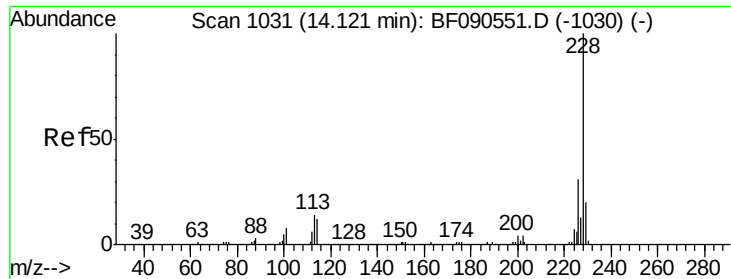
Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

Tgt Ion:	228	Resp:	160986
Ion Ratio	Lower	Upper	
228	100		
226	33.1	22.8	34.2
229	22.8	16.6	25.0

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





#82

Chrysene

Concen: 7.63 ng/mL

RT: 14.12 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

Instrument :

BNA_F

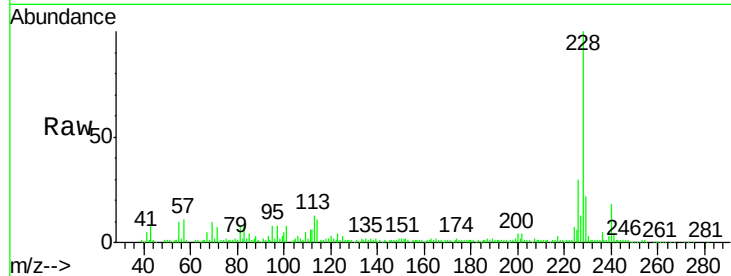
ClientSampled :

6

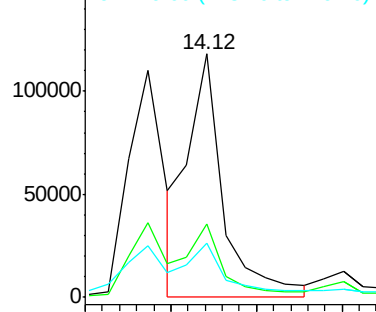
Tot Ion:	228	Resp:	170364
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.8	37.2
229	22.0	16.2	24.4

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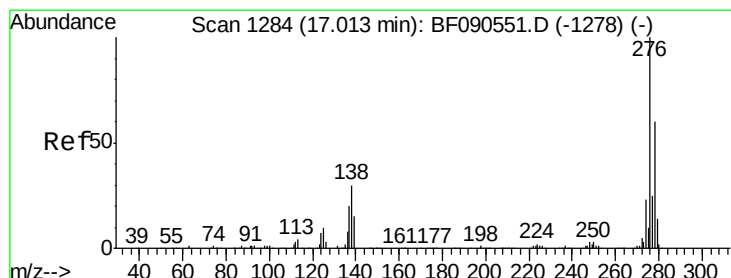
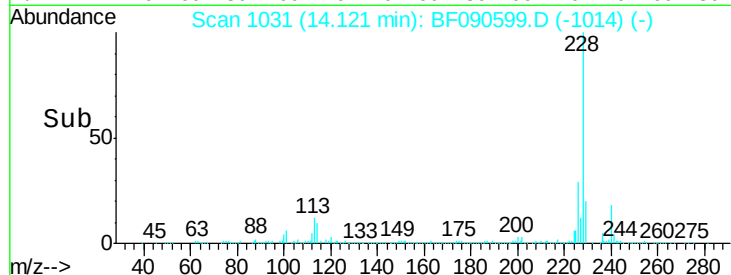
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 14.05 14.10 14.15 14.20



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.15 ng/mL

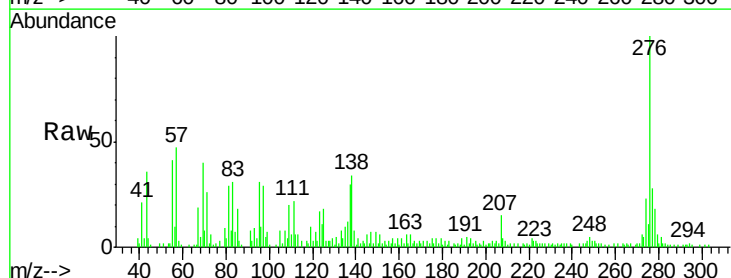
RT: 17.00 min Scan# 1283

Delta R.T. -0.01 min

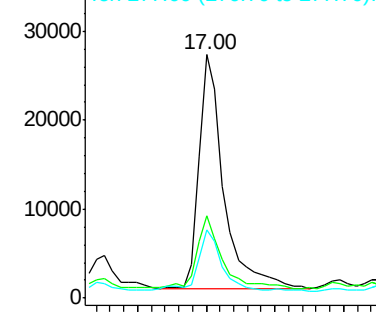
Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

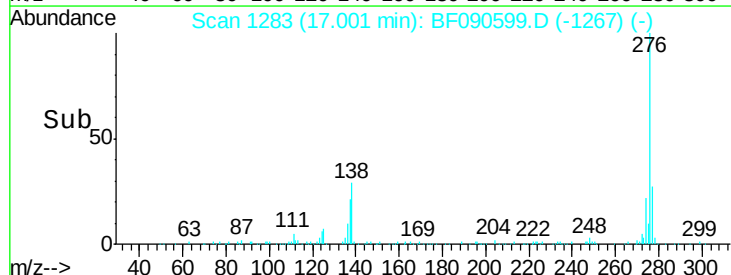
Tgt Ion:	276	Resp:	66523
Ion Ratio	Lower	Upper	
276	100		
138	30.5	25.8	38.6
277	27.1	20.1	30.1

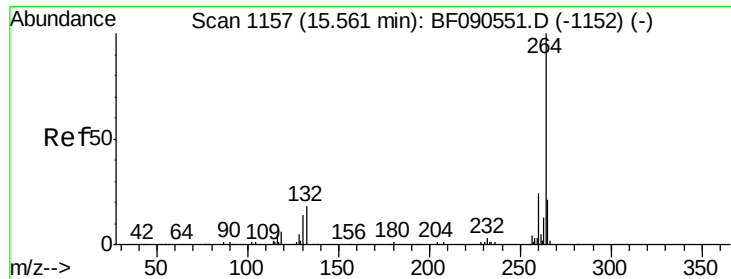


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time--> 16.90 17.00 17.10 17.20





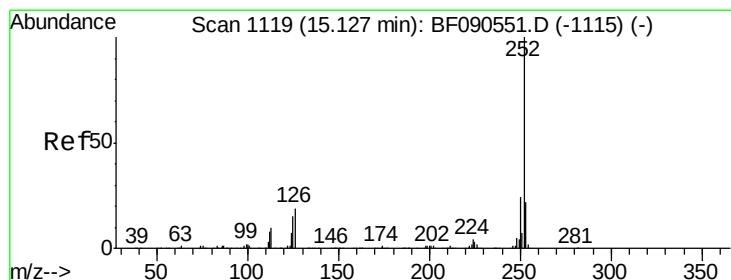
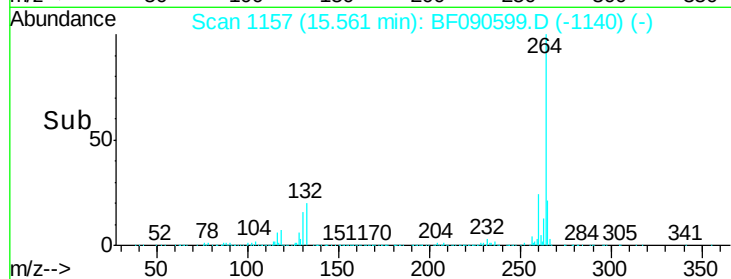
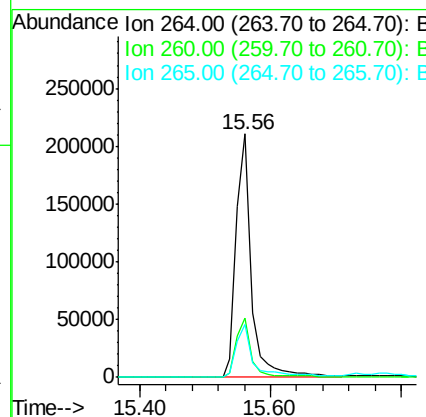
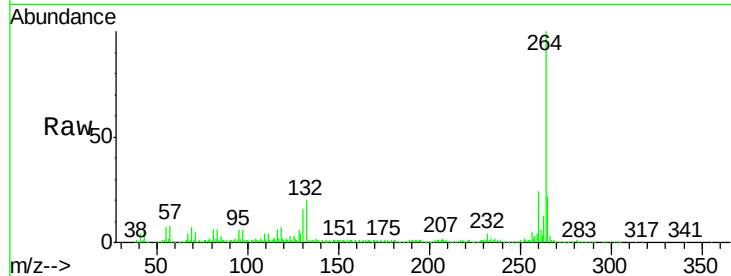
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BF090599.D
Acq: 15 Oct 2016 10:44

Instrument :
BNA_F
ClientSampled :
6

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.3	28.9
265	21.5	16.7	25.1

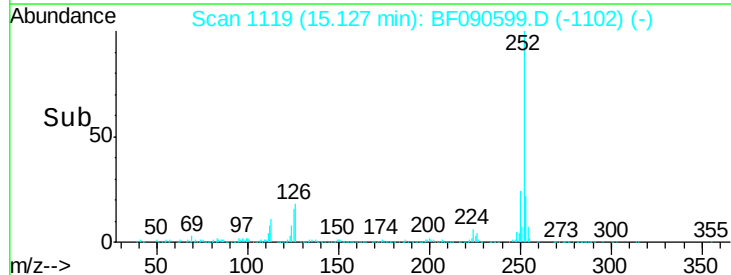
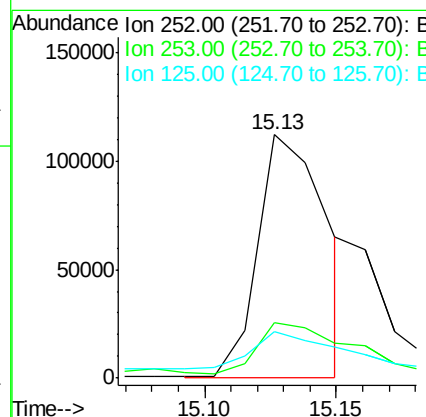
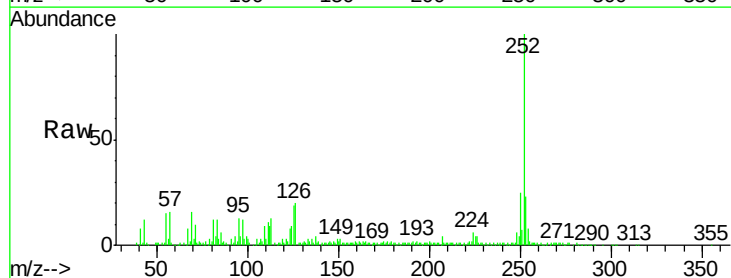
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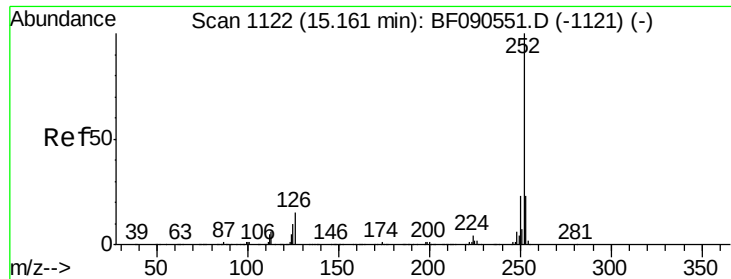
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#87
Benzo(b)fluoranthene
Concen: 9.34 ng m
RT: 15.13 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF090599.D
Acq: 15 Oct 2016 10:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	19.1	12.0	18.0#





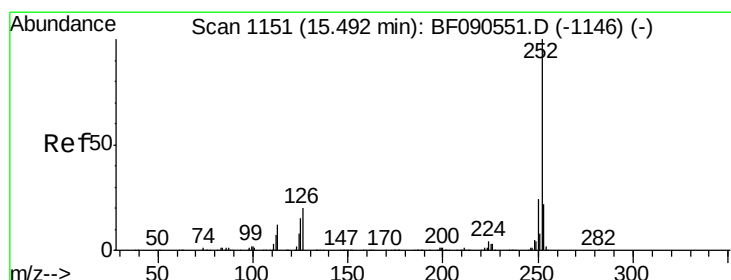
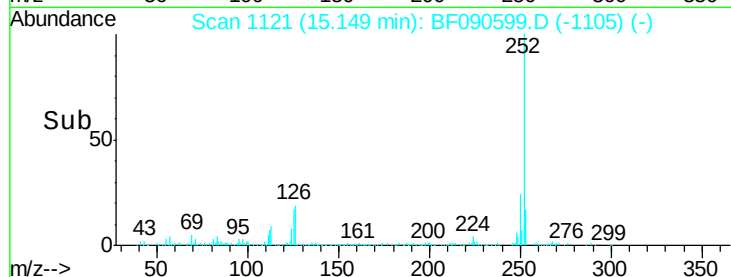
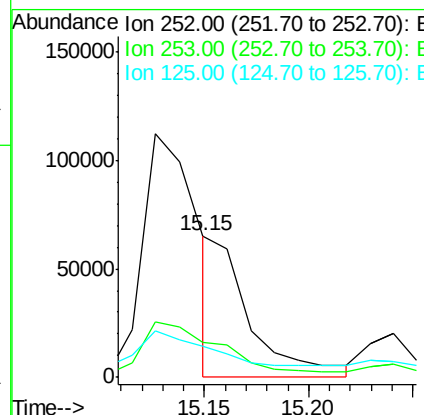
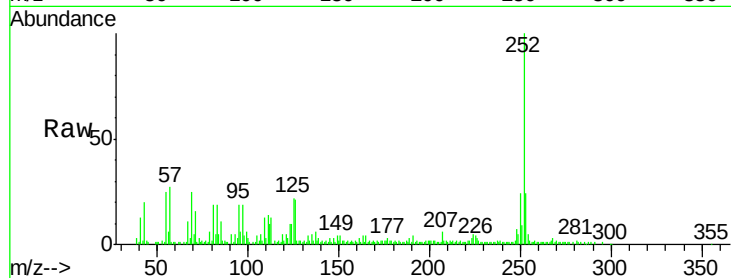
#88
Benzo(k)fluoranthene
Concen: 3.19 ng m
RT: 15.15 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF090599.D
Acq: 15 Oct 2016 10:44

Instrument :
BNA_F
ClientSampled :
6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	22.3	10.0	15.0

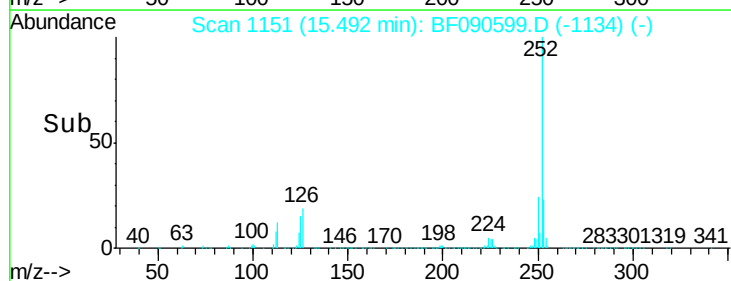
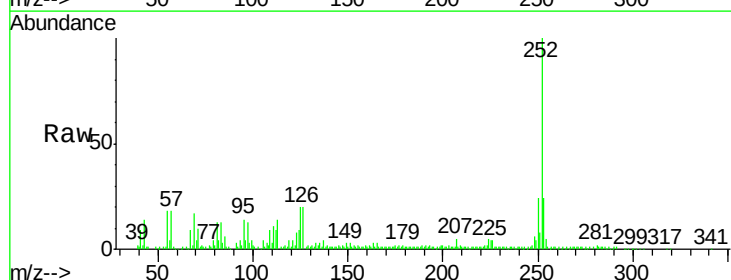
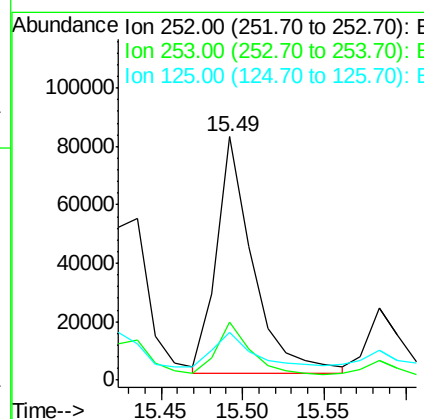
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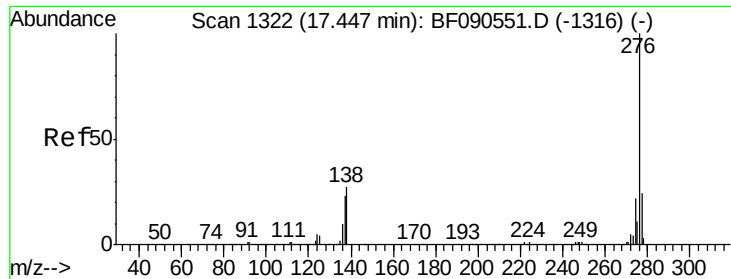
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#89
Benzo(a)pyrene
Concen: 6.28 ng
RT: 15.49 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF090599.D
Acq: 15 Oct 2016 10:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	19.7	12.3	18.5





#91
 Benzo(a,h,i)perylene
 Concen: 4.71 ng
 RT: 17.44 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: BF090599.D
 Acq: 15 Oct 2016 10:44

Instrument :
 BNA_F
 ClientSampleId :
 6

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.8	28.2
138	31.4	21.8	32.8

Manual Integrations
 APPROVED

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