

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093259.D
 Acq On : 28 Feb 2017 20:11
 Operator : SJ/MA
 Sample : I2017-12
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK3-9-20170227

Manual Integrations
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Quant Time: Mar 01 02:50:50 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	143083	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	528845	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	225014	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	356744	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	302973	20.00	ng	-0.05
86) Perylene-d12	15.40	264	202206	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	942890	113.06	ng	-0.03
7) Phenol-d6	6.46	99	1125794	104.91	ng	-0.02
23) Nitrobenzene-d5	7.38	82	717126	75.51	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	188063	115.56	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	1174372	94.55	ng	-0.05
78) Terphenyl-d14	12.92	244	917817	71.18	ng	-0.05
Target Compounds						Qvalue
10) Phenol	6.48	94	92602	7.38	ng	80
49) Dimethylphthalate	9.57	163	65728	4.34	ng	99
70) Phenanthrene	11.36	178	101913	4.99	ng	96
74) Fluoranthene	12.54	202	140539	6.67	ng	99
77) Pyrene	12.77	202	156259	6.89	ng	99
80) Benzo(a)anthracene	13.96	228	83786	4.52	ng	95
82) Chrysene	14.00	228	69058	3.98	ng	98
87) Benzo(b)fluoranthene	14.99	252	52636m	3.95	ng	
88) Benzo(k)fluoranthene	15.00	252	24424m	2.13	ng	
89) Benzo(a)pyrene	15.35	252	37154	3.23	ng	# 92

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

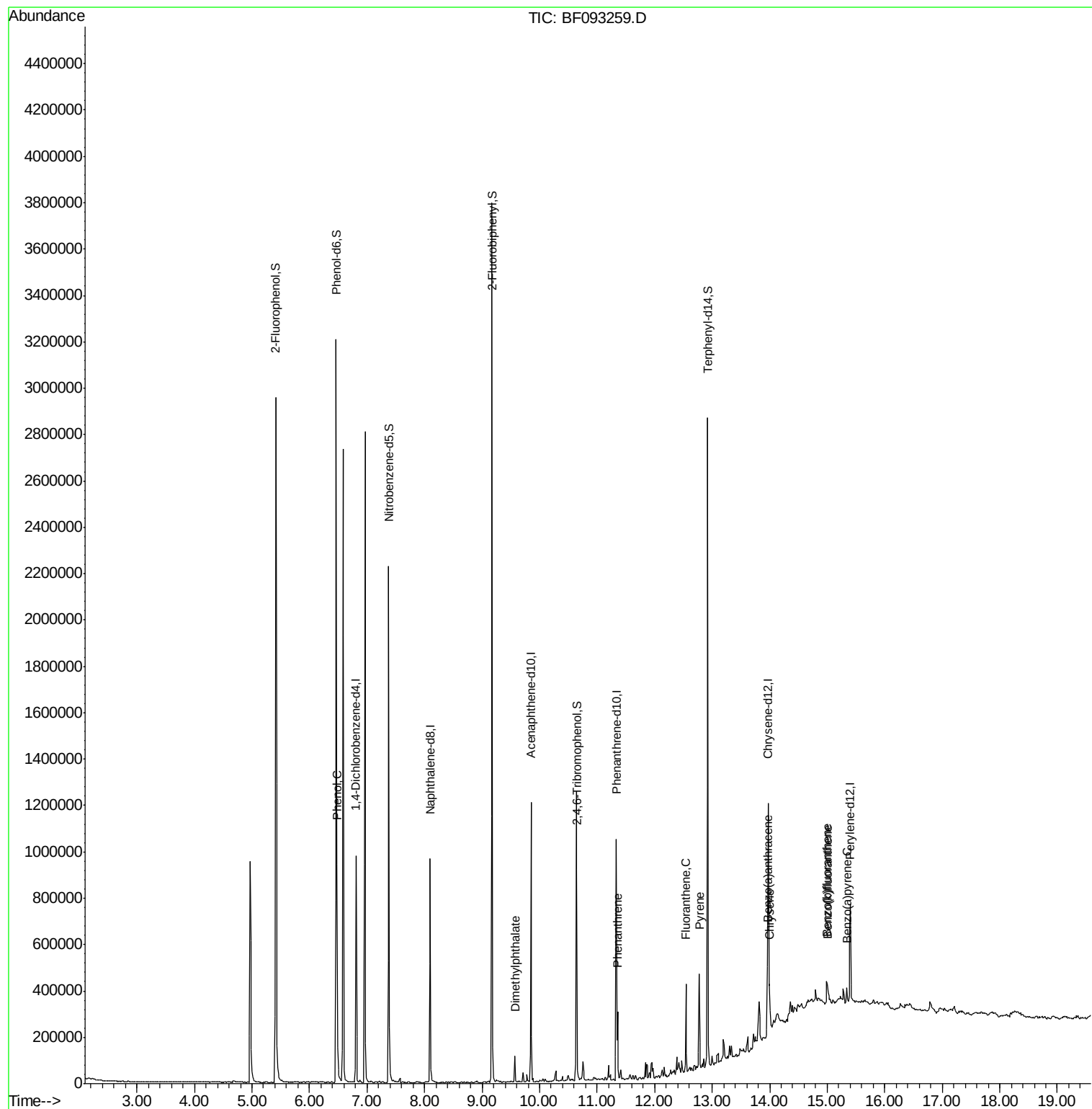
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093259.D
Acq On : 28 Feb 2017 20:11
Operator : SJ/MA
Sample : I2017-12
Misc :
ALS Vial : 22 Sample Multiplier: 1

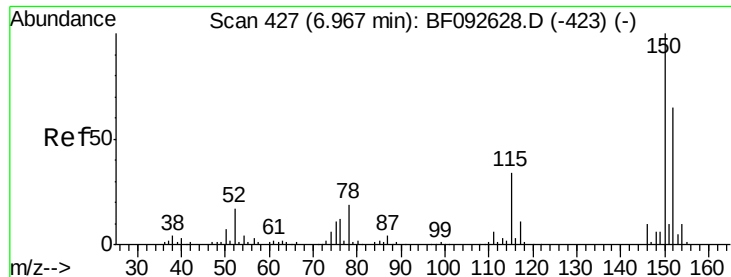
Instrument :
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TK3-9-20170227

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Quant Time: Mar 01 02:50:50 2017
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#1

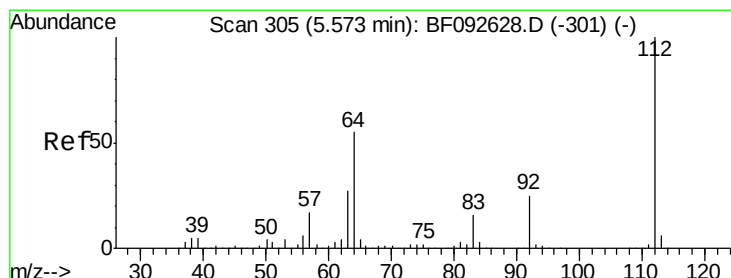
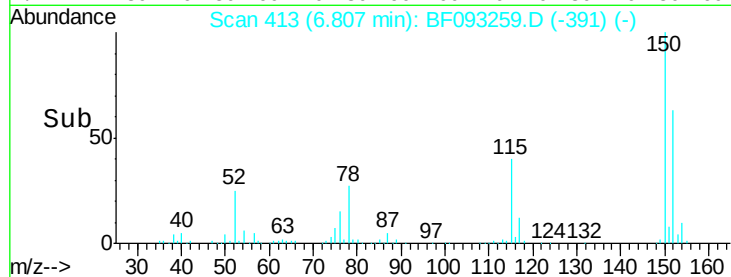
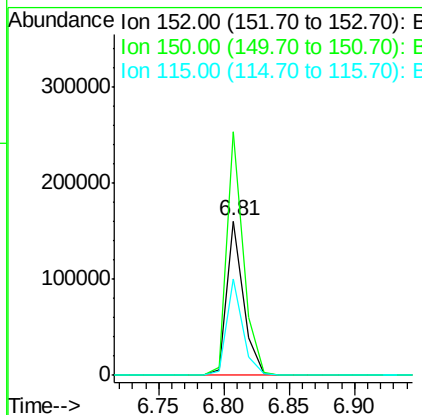
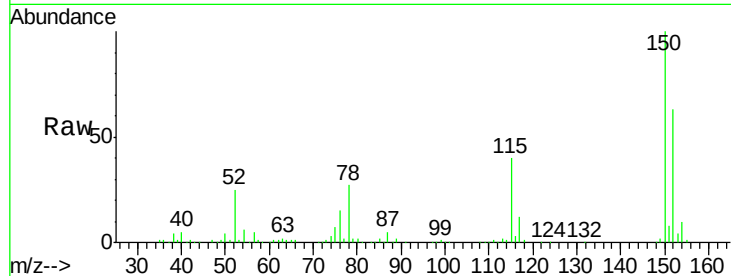
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

Instrument :
BNA_F
ClientSampleId :
TK3-9-20170227

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.9	187.3
115	62.8	46.0	69.0

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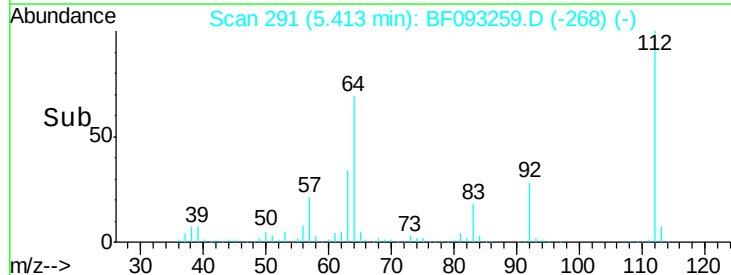
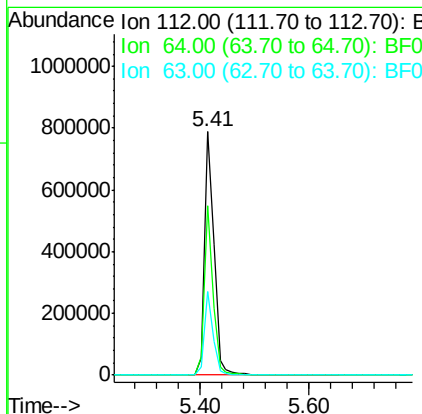
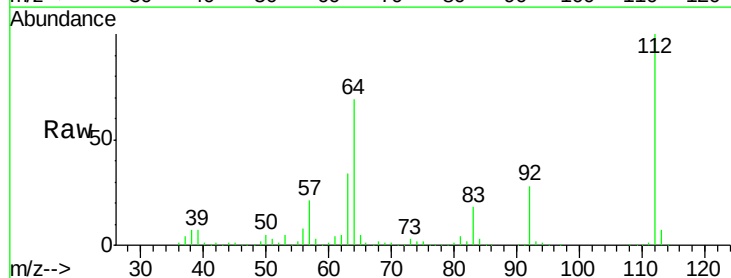
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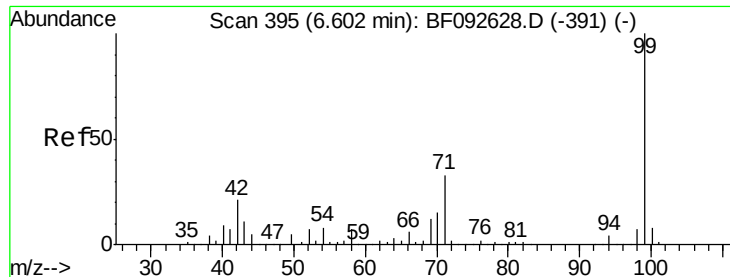


#5

2-Fluorophenol
Concen: 113.06 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	46.1	69.1#
63	34.2	23.8	35.6





#7

Phenol-d6

Concen: 104.91 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093259.D

Acq: 28 Feb 2017 20:11

Instrument :

BNA_F

ClientSampleId :

TK3-9-20170227

Tgt Ion: 99 Resp: 1125794

Ion Ratio Lower Upper

99 100

42 21.1 15.6 23.4

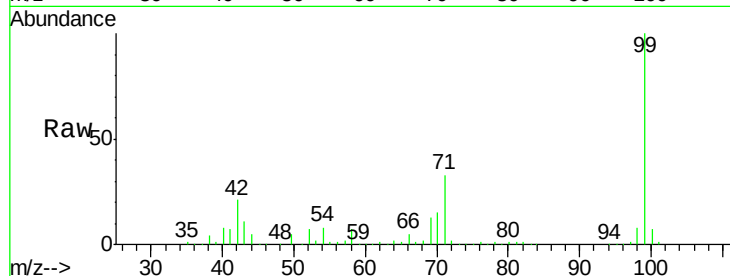
71 33.4 27.5 41.3

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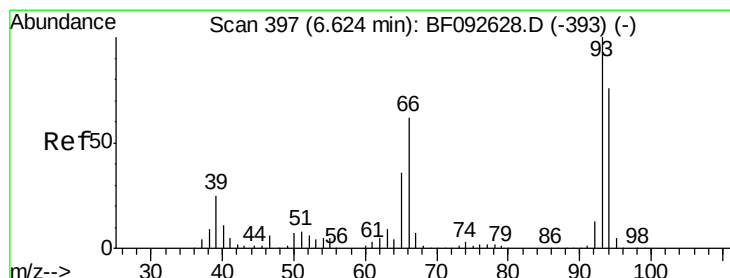
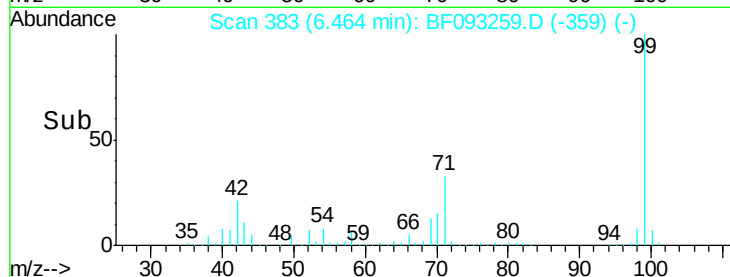
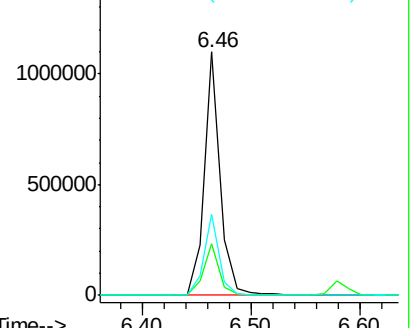
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 7.38 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF093259.D

Acq: 28 Feb 2017 20:11

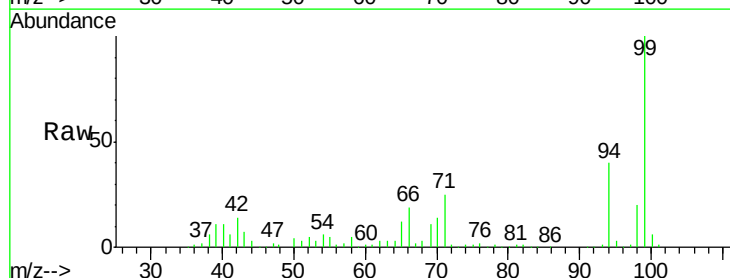
Tgt Ion: 94 Resp: 92602

Ion Ratio Lower Upper

94 100

65 30.2 21.4 61.4

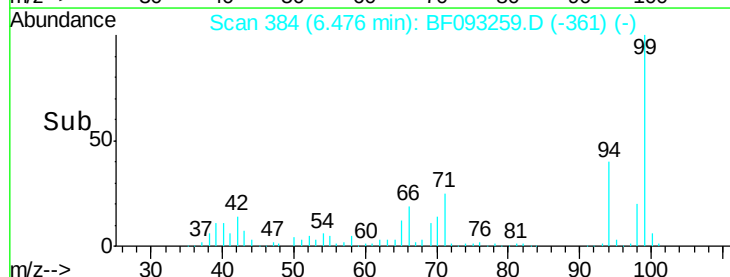
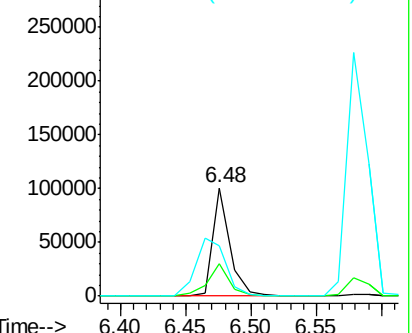
66 46.7 44.0 84.0

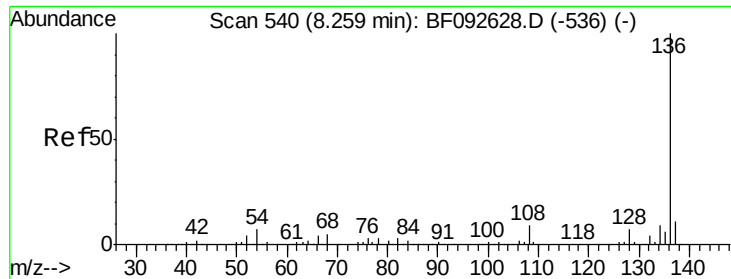


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





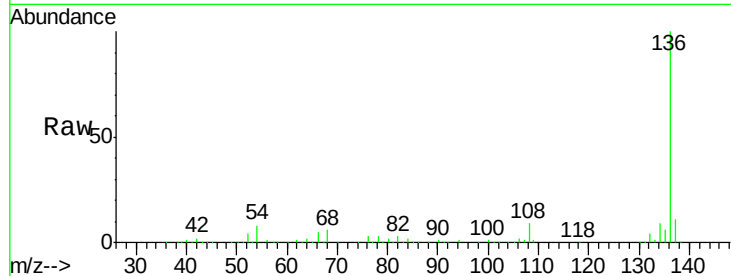
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

Instrument :
BNA_F
ClientSampleId :
TK3-9-20170227

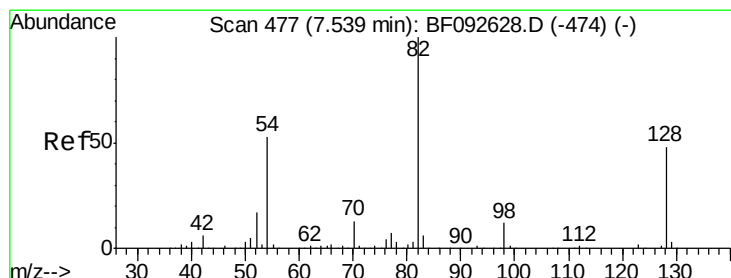
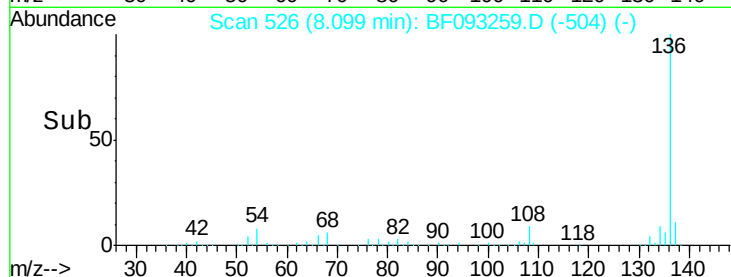
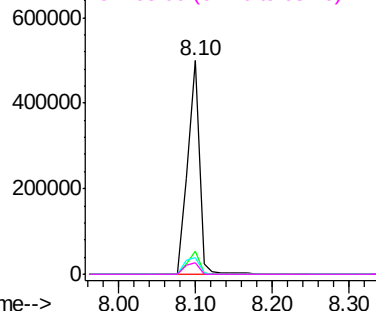
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	528845		
137	10.9	8.4	12.6	
54	7.9	4.5	6.7#	
68	5.6	3.6	5.4#	

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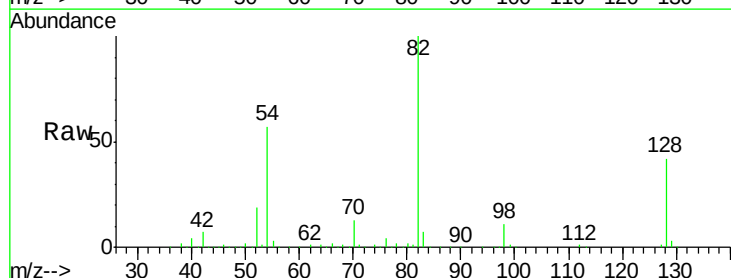


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

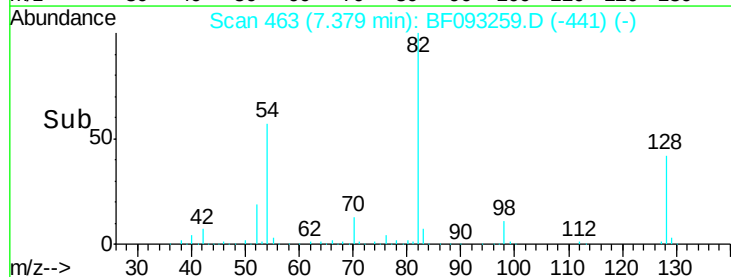
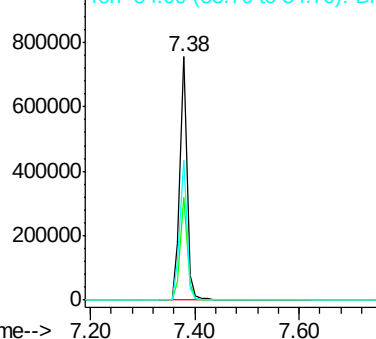


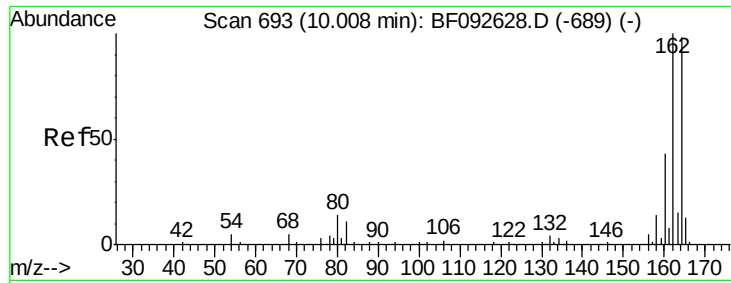
#23
Nitrobenzene-d5
Concen: 75.51 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	717126		
128	42.2	34.6	52.0	
54	57.4	39.5	59.3	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





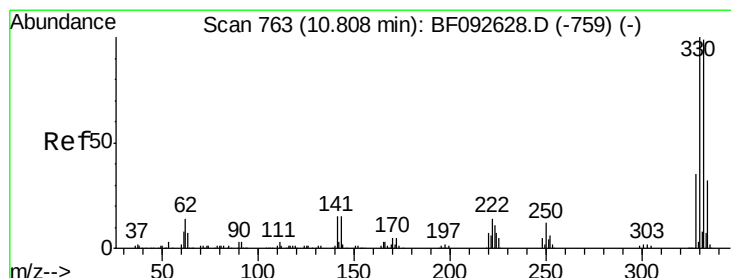
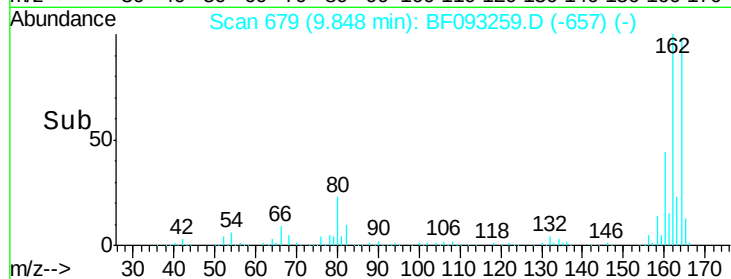
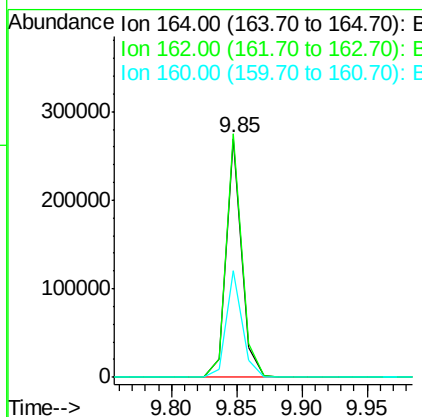
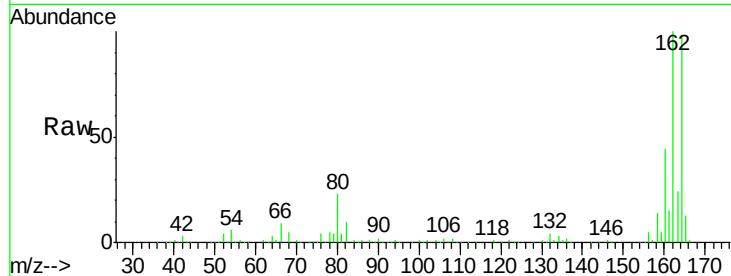
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093259.D
 Acq: 28 Feb 2017 20:11

Instrument :
 BNA_F
 ClientSampleId :
 TK3-9-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	225014		
162	101.8	80.2	120.2	
160	44.7	36.9	55.3	

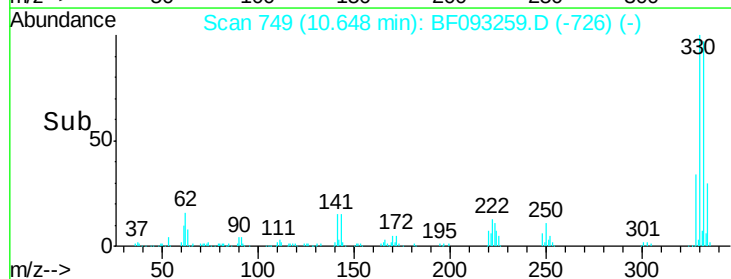
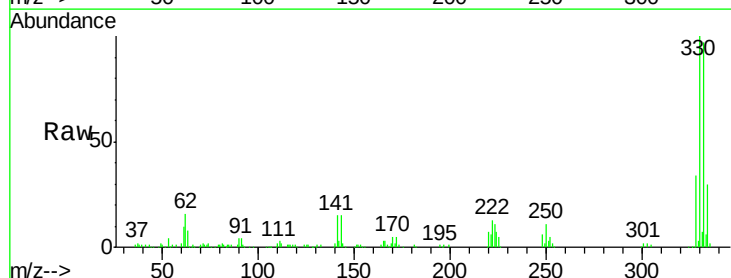
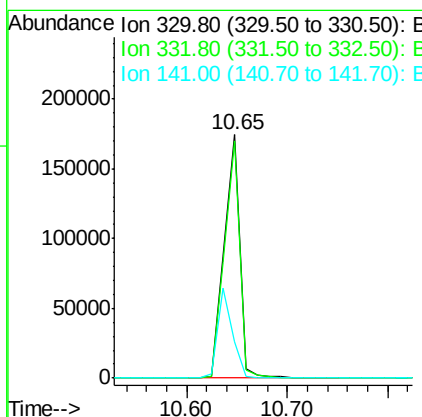
Manual Integrations
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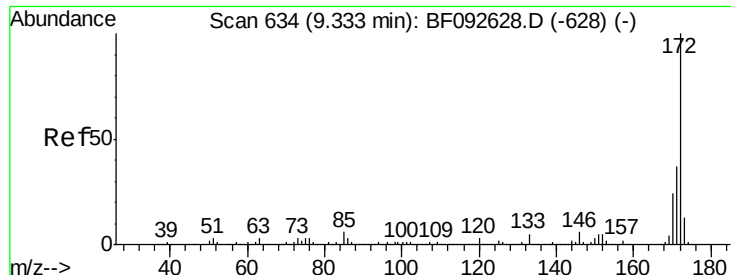
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#41
 2,4,6-Tribromophenol
 Concen: 115.56 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093259.D
 Acq: 28 Feb 2017 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	188063		
332	96.9	77.4	116.2	
141	35.4	34.1	51.1	





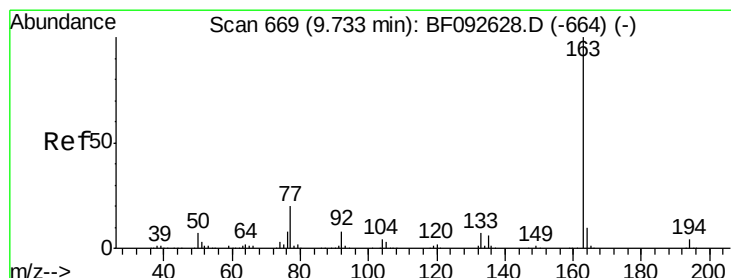
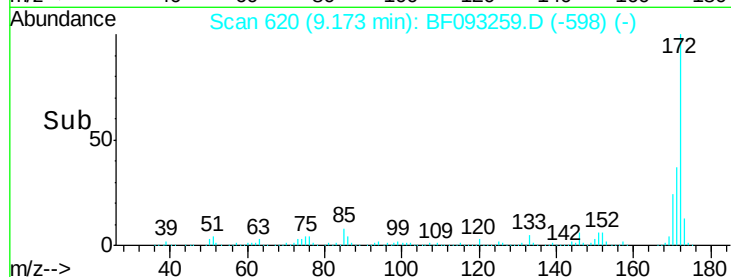
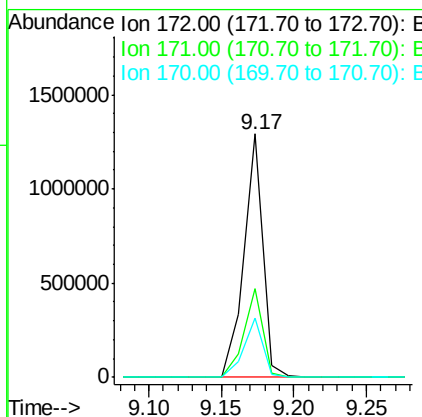
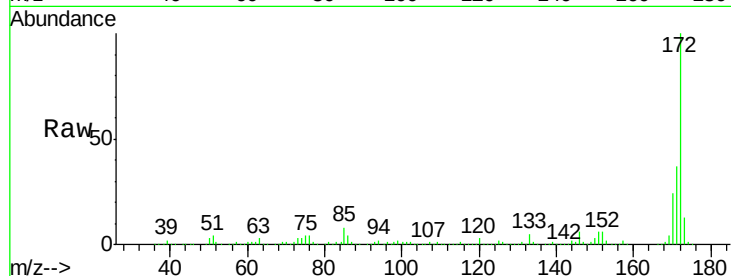
#44
2-Fluorobiphenyl
Concen: 94.55 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

Instrument :
BNA_F
ClientSampleId :
TK3-9-20170227

Tgt Ion:172 Resp: 1174372
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 24.4 20.2 30.4

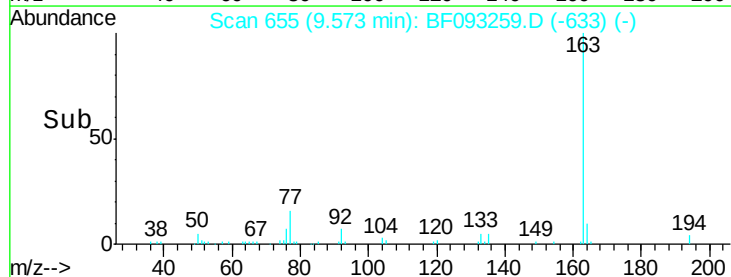
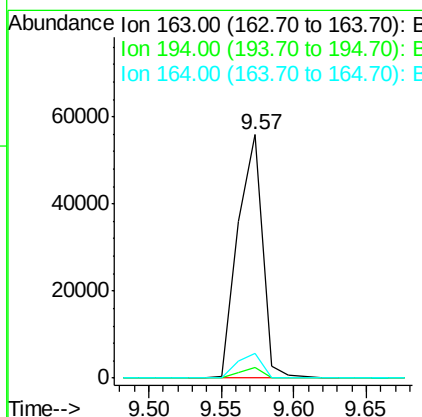
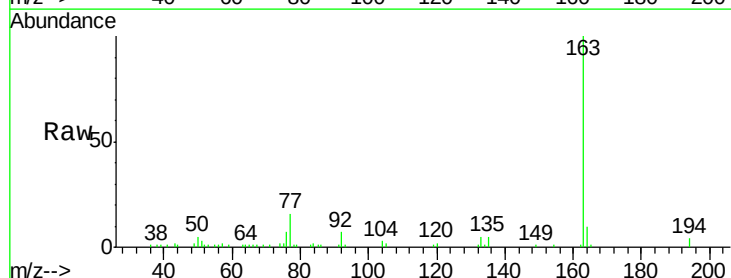
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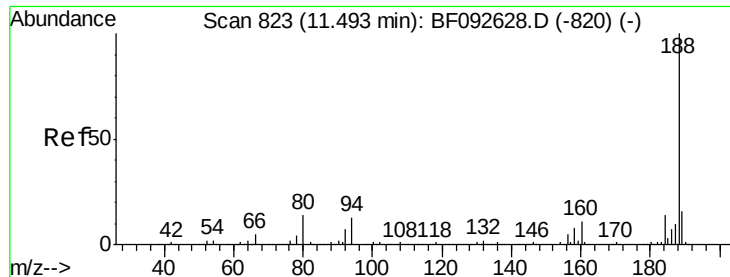
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#49
Dimethylphthalate
Concen: 4.34 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

Tgt Ion:163 Resp: 65728
Ion Ratio Lower Upper
163 100
194 4.3 3.0 4.4
164 10.4 8.0 12.0





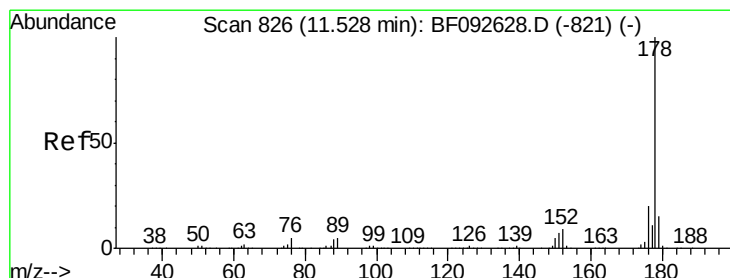
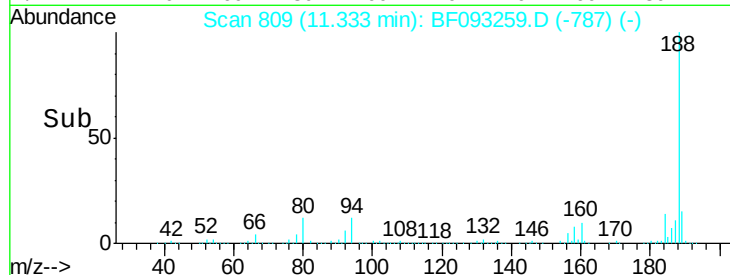
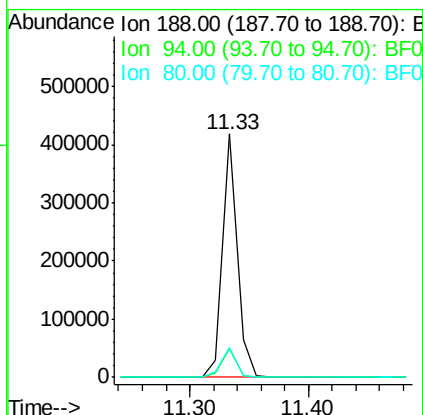
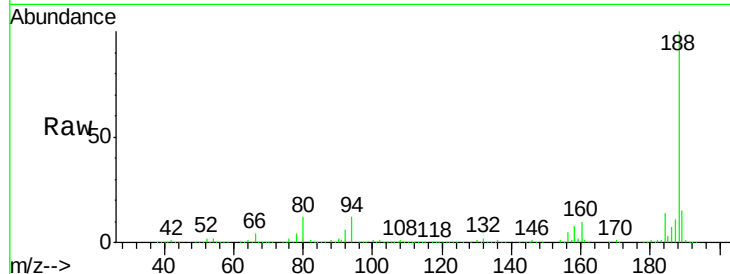
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

Instrument :
BNA_F
ClientSampleId :
TK3-9-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	356744		
94	11.6	10.0	15.0	
80	12.0	11.2	16.8	

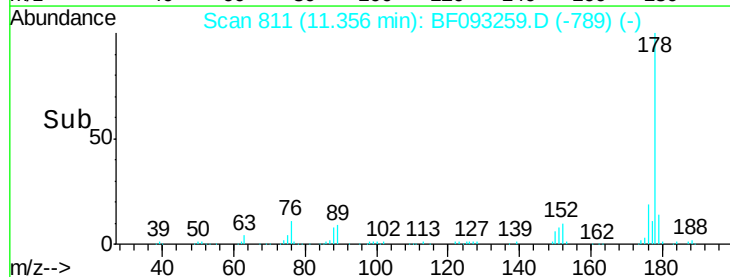
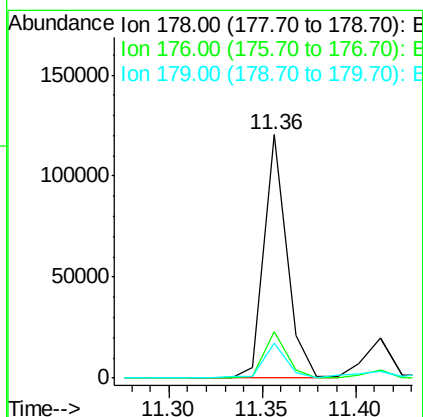
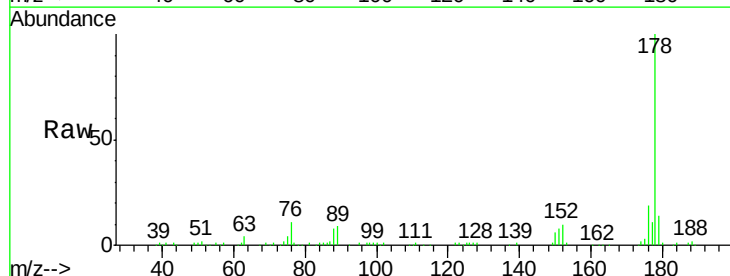
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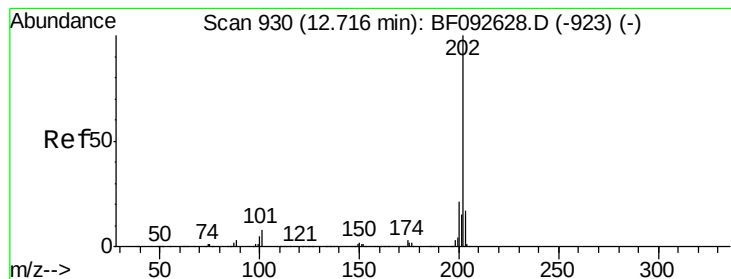
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#70
Phenanthrene
Concen: 4.99 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	101913		
176	18.9	16.6	25.0	
179	14.4	12.8	19.2	





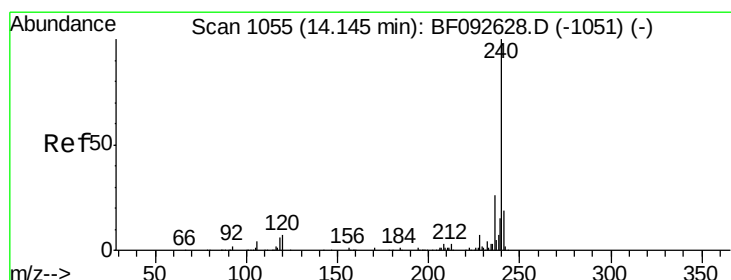
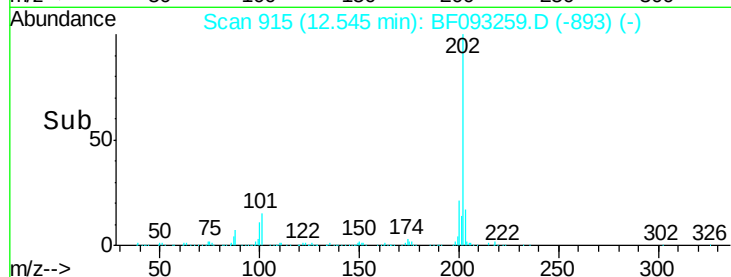
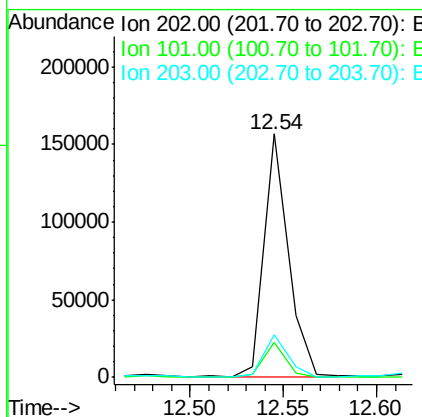
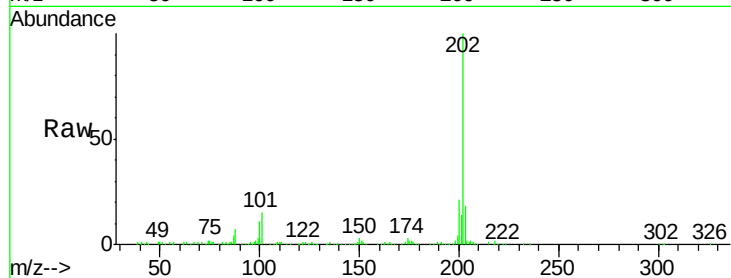
#74
 Fluoranthene
 Concen: 6.67 ng
 RT: 12.54 min Scan# 915
 Delta R.T. -0.05 min
 Lab File: BF093259.D
 Acq: 28 Feb 2017 20:11

Instrument :
 BNA_F
 ClientSampleId :
 TK3-9-20170227

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.6	0.0	34.6
203	17.6	0.0	38.7

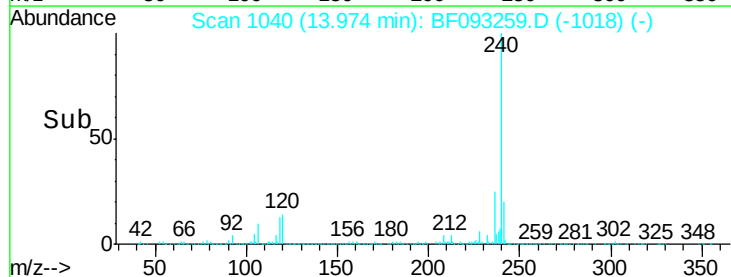
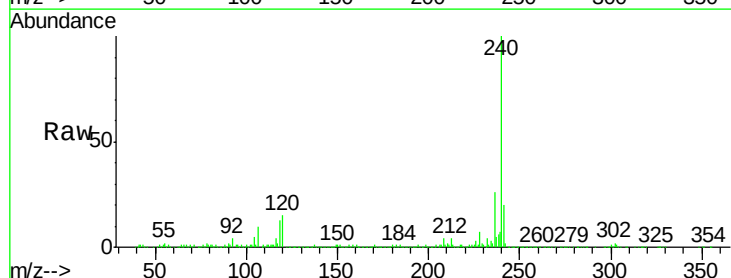
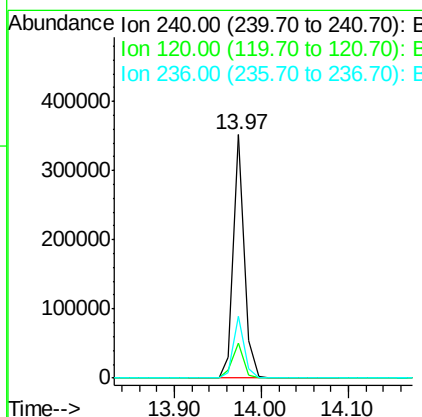
Manual Integrations
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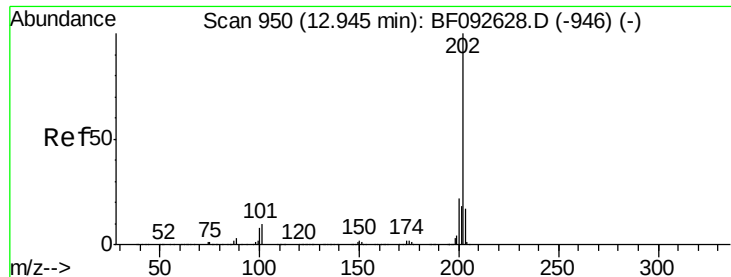
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.05 min
 Lab File: BF093259.D
 Acq: 28 Feb 2017 20:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.6	12.9	19.3
236	25.7	20.9	31.3





#77

Pyrene

Concen: 6.89 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093259.D

Acq: 28 Feb 2017 20:11

Instrument :

BNA_F

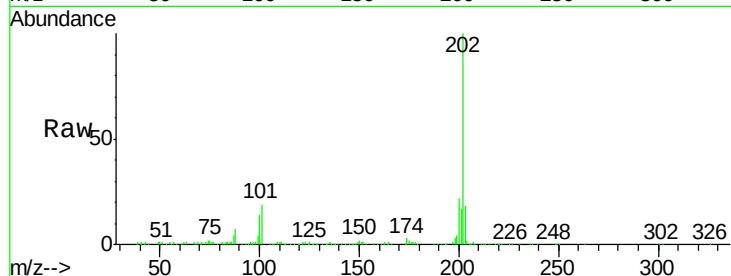
ClientSampleId :

TK3-9-20170227

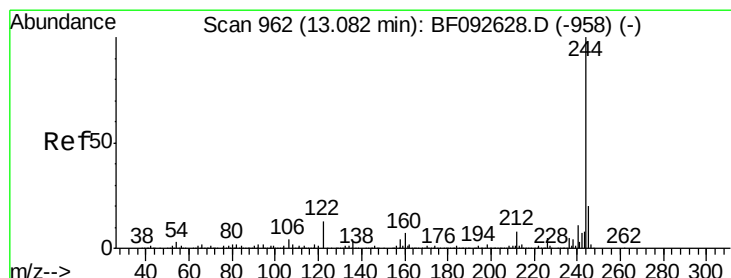
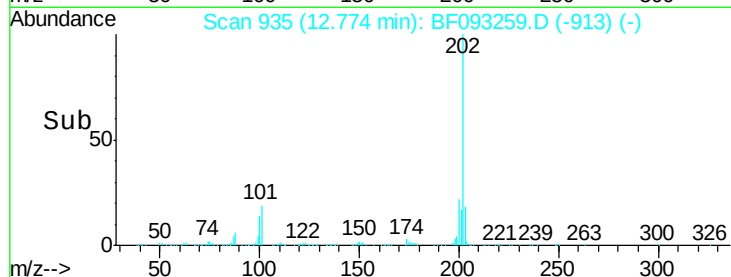
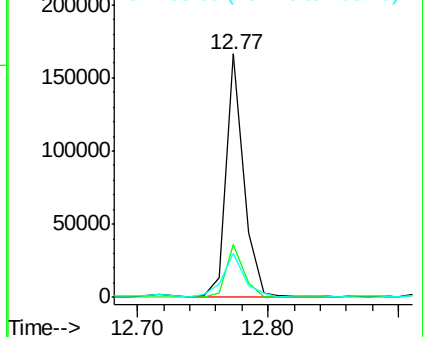
Tgt Ion:	202	Resp:	156259
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.7	26.5
203	17.8	14.7	22.1

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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: 71.18 ng

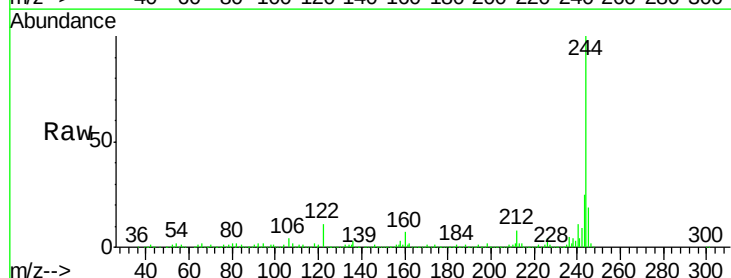
RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

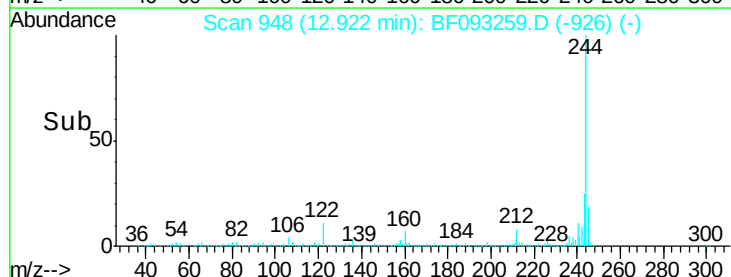
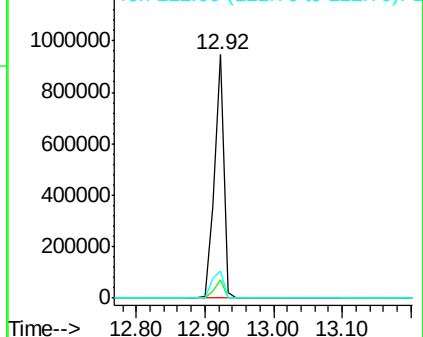
Lab File: BF093259.D

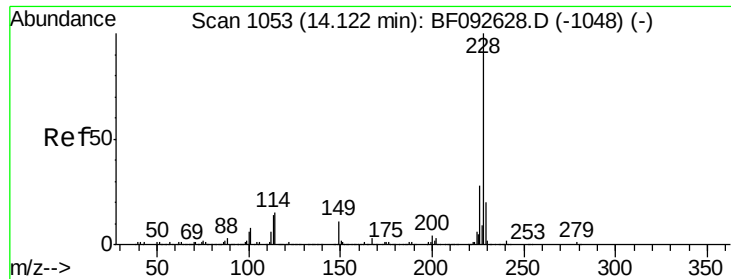
Acq: 28 Feb 2017 20:11

Tgt Ion:	244	Resp:	917817
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.2	9.2
122	11.2	11.4	17.2#



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





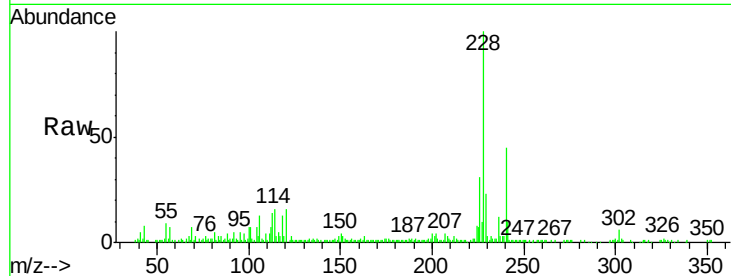
#80
Benzo(a)anthracene
Concen: 4.52 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

Instrument :
BNA_F
ClientSampleId :
TK3-9-20170227

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.4	33.6
229	22.8	16.2	24.4

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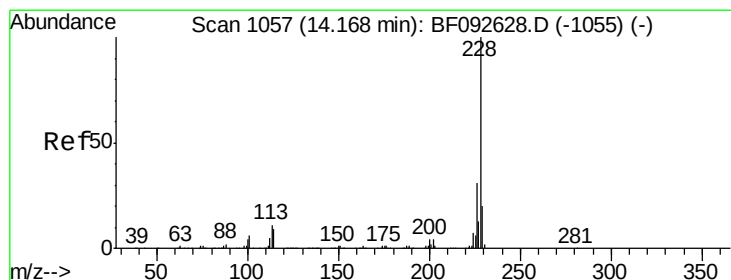
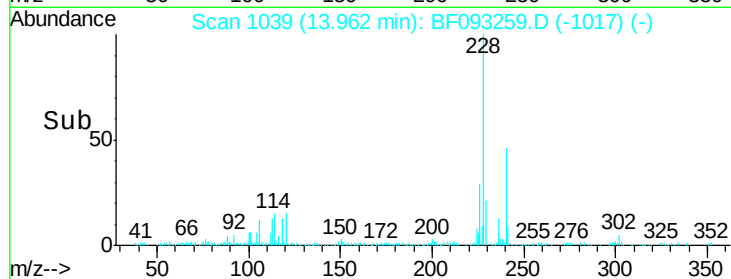
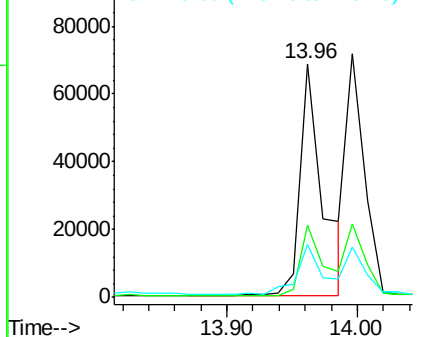


Abundance

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



#82
Chrysene
Concen: 3.98 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

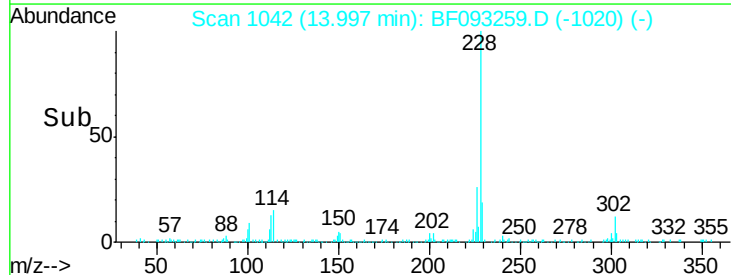
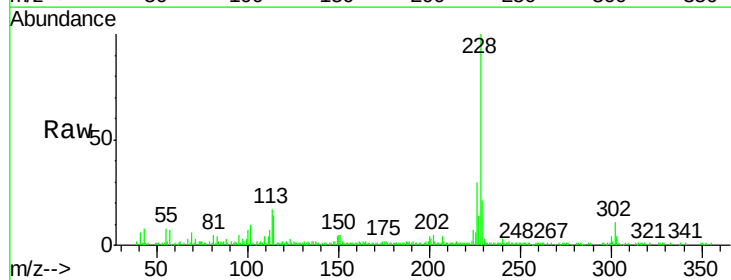
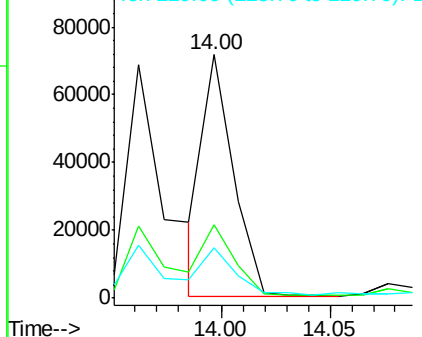
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.0
229	20.7	16.2	24.2

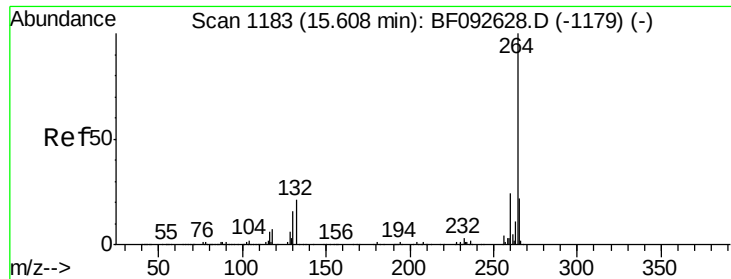
Abundance

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





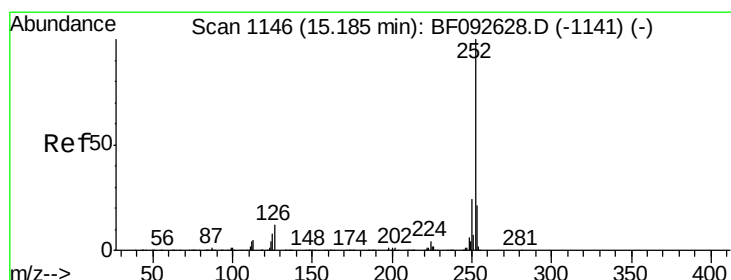
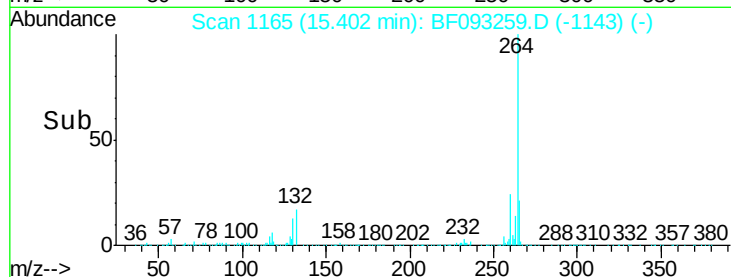
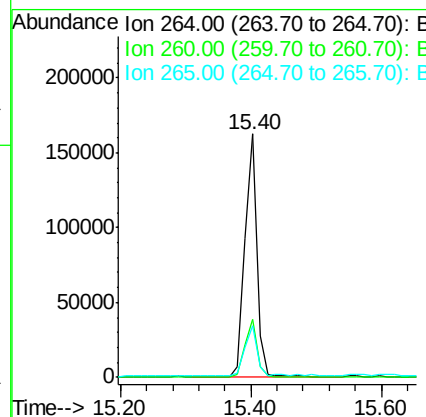
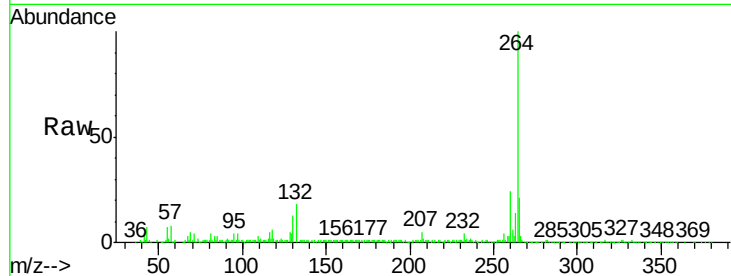
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

Instrument :
BNA_F
ClientSampleId :
TK3-9-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	202206		
260	23.8		19.2	28.8
265	21.4		17.4	26.0

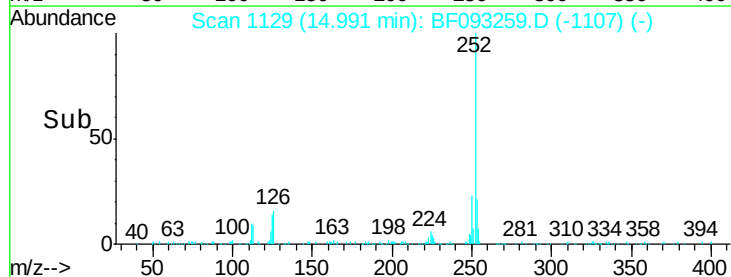
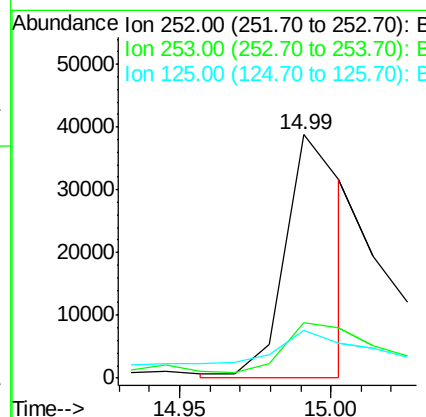
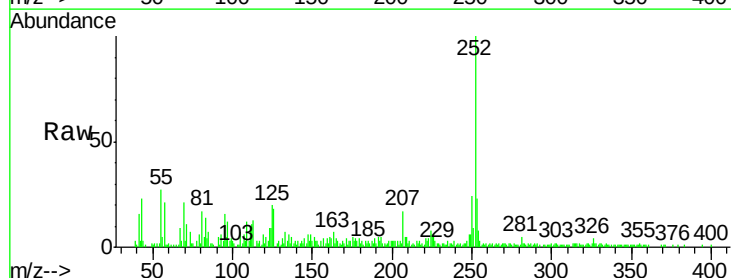
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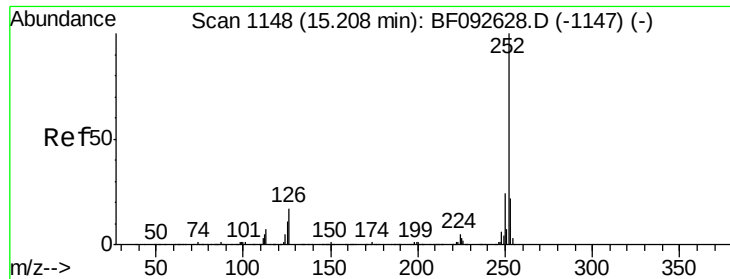
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#87
Benzo(b)fluoranthene
Concen: 3.95 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	52636		
253	22.8		18.2	27.4
125	19.9		9.8	14.6#





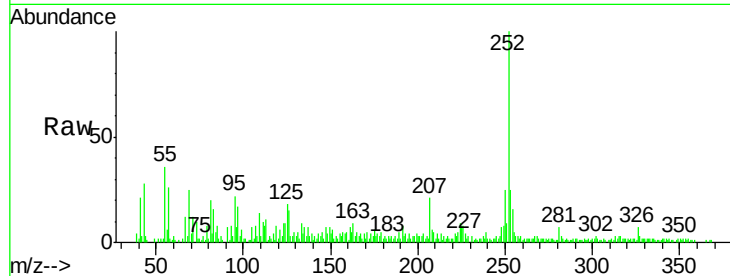
#88
Benzo(k)fluoranthene
Concen: 2.13 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

Instrument :
BNA_F
ClientSampleId :
TK3-9-20170227

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.5	27.7
125	17.7	8.9	13.3

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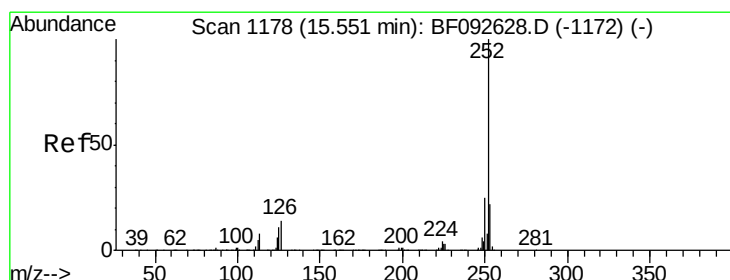
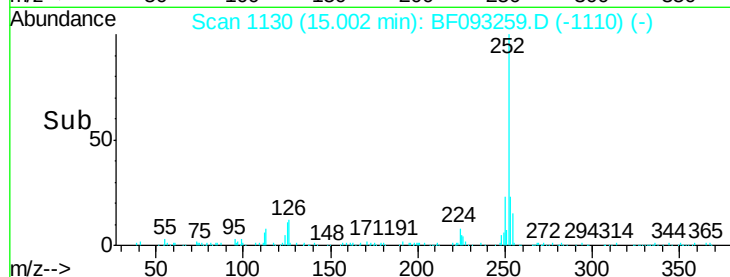
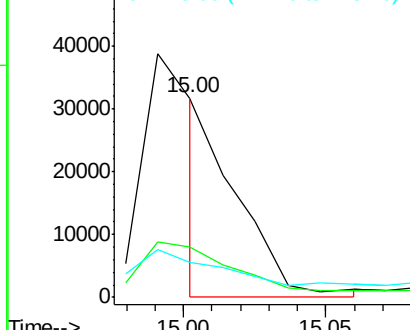


Abundance

Ion 252.00 (251.70 to 252.70): E

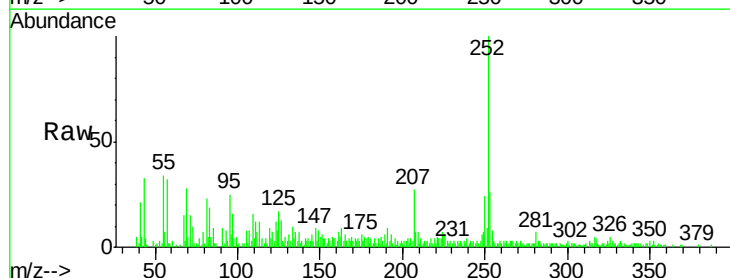
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 3.23 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093259.D
Acq: 28 Feb 2017 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.2	27.2
125	16.6	10.0	15.0



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

