

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093253.D
 Acq On : 28 Feb 2017 17:23
 Operator : SJ/MA
 Sample : I2017-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK3-5-20170227

Manual Integrations
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Quant Time: Feb 28 17:54:46 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	142516	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	528636	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	234674	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	374651	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	328348	20.00	ng	-0.05
86) Perylene-d12	15.39	264	270798	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	896352	107.90	ng	-0.03
7) Phenol-d6	6.46	99	1129244	105.65	ng	-0.02
23) Nitrobenzene-d5	7.38	82	687343	72.41	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	157742	92.94	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	1089935	84.14	ng	-0.05
78) Terphenyl-d14	12.91	244	678536	48.56	ng	-0.06
Target Compounds						
10) Phenol	6.48	94	85806	6.86	ng	Qvalue # 67
49) Dimethylphthalate	9.56	163	93451	5.91	ng	99
70) Phenanthrene	11.36	178	191090	8.90	ng	95
74) Fluoranthene	12.55	202	337194	15.23	ng	95
77) Pyrene	12.77	202	320650	13.05	ng	98
80) Benzo(a)anthracene	13.96	228	156357	7.79	ng	98
82) Chrysene	14.00	228	161703	8.60	ng	99
87) Benzo(b)fluoranthene	14.99	252	174560m	9.79	ng	
88) Benzo(k)fluoranthene	15.00	252	56680m	3.68	ng	
89) Benzo(a)pyrene	15.33	252	106202	6.89	ng	97
91) Benzo(g,h,i)perylene	17.20	276	47574	3.78	ng	# 89

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

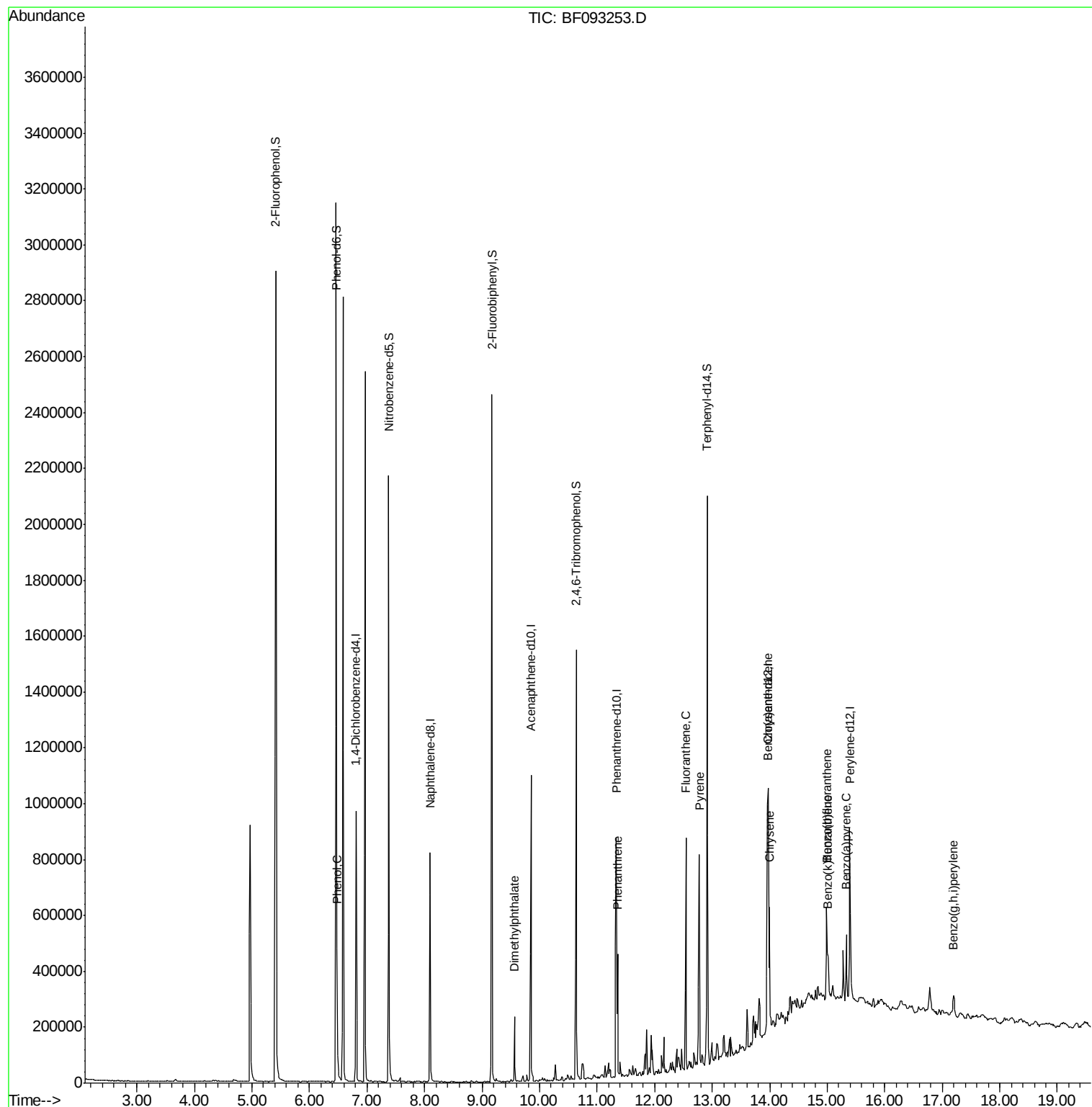
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093253.D
Acq On : 28 Feb 2017 17:23
Operator : SJ/MA
Sample : I2017-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

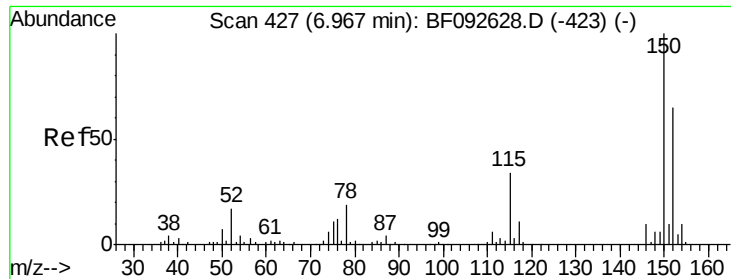
Instrument :
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#1

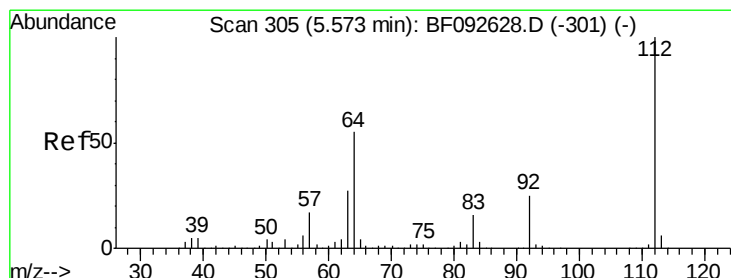
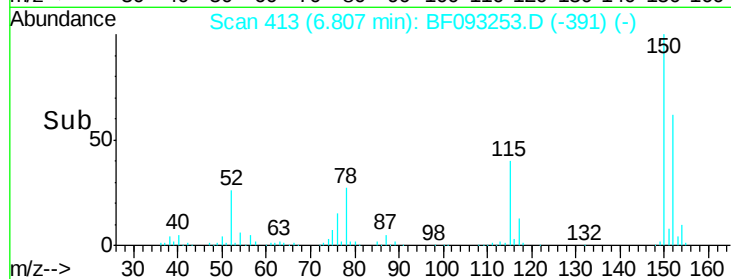
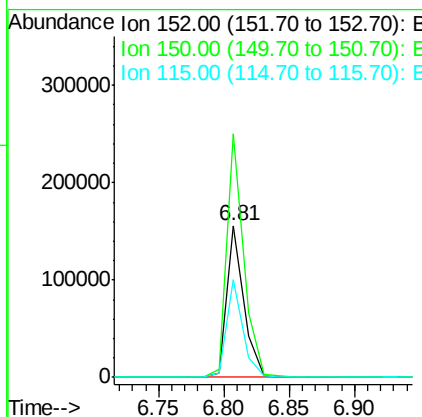
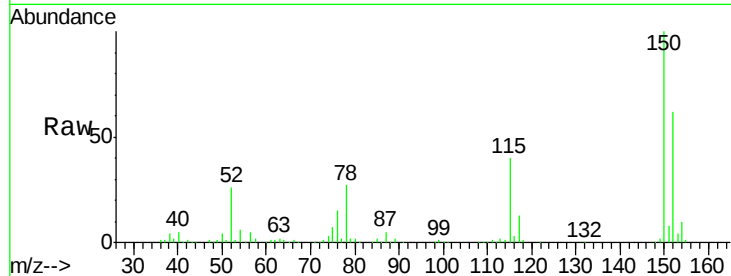
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Instrument :
BNA_F
ClientSampleId :
TK3-5-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	142516		
150	160.2	124.9	187.3	
115	64.4	46.0	69.0	

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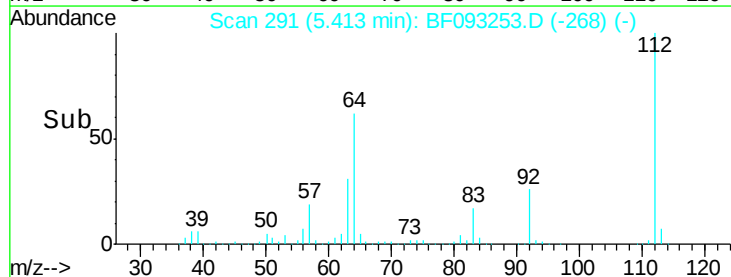
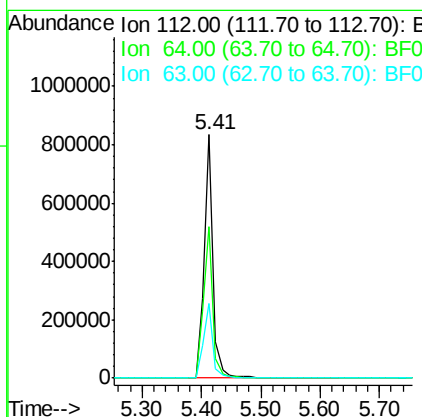
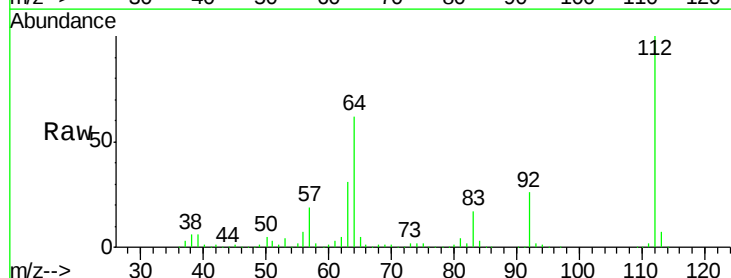
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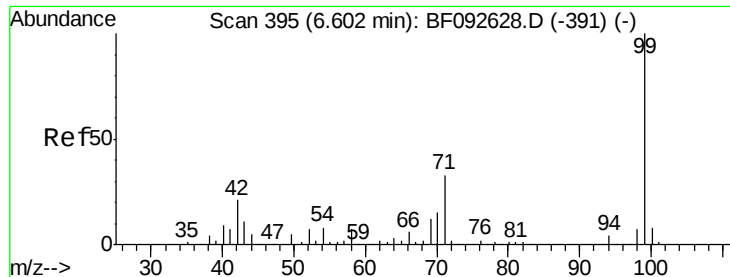


#5

2-Fluorophenol
Concen: 107.90 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	896352		
64	62.2	46.1	69.1	
63	30.6	23.8	35.6	





#7

Phenol-d6

Concen: 105.65 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

Instrument :

BNA_F

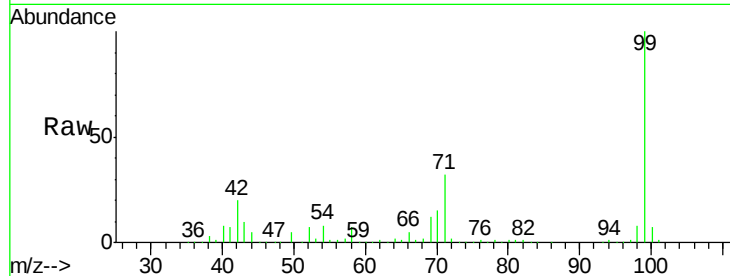
ClientSampleId :

TK3-5-20170227

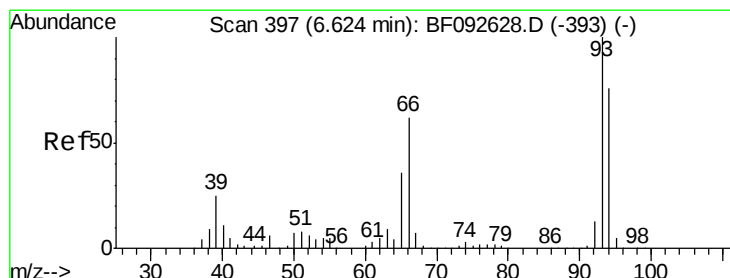
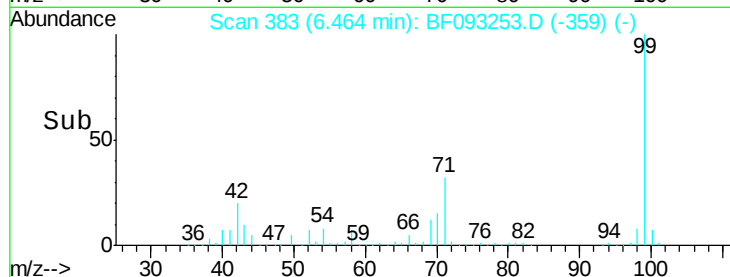
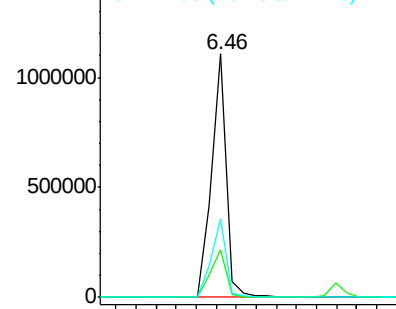
Tgt Ion:	99	Resp:	1129244
Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.6	23.4
71	32.4	27.5	41.3

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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: 6.86 ng

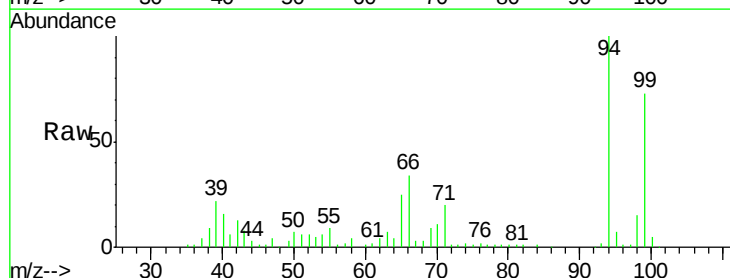
RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

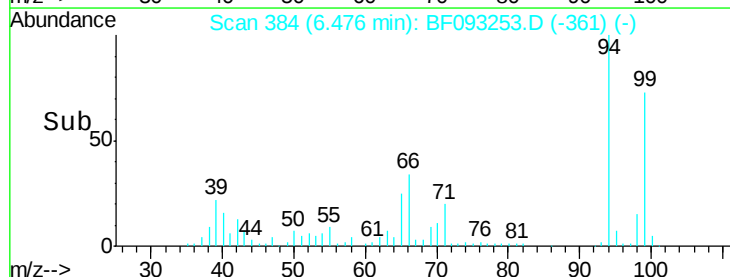
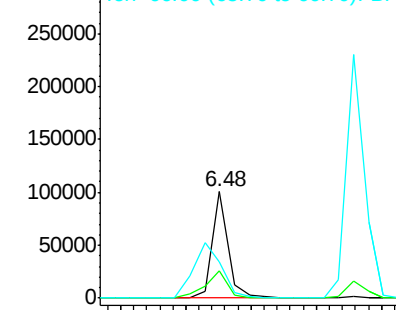
Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

Tgt Ion:	94	Resp:	85806
Ion	Ratio	Lower	Upper
94	100		
65	25.4	21.4	61.4
66	34.3	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





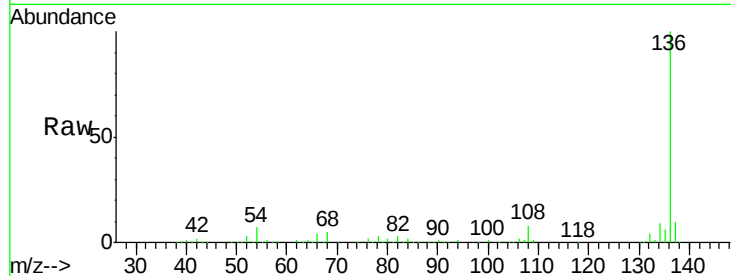
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Instrument :
BNA_F
ClientSampleId :
TK3-5-20170227

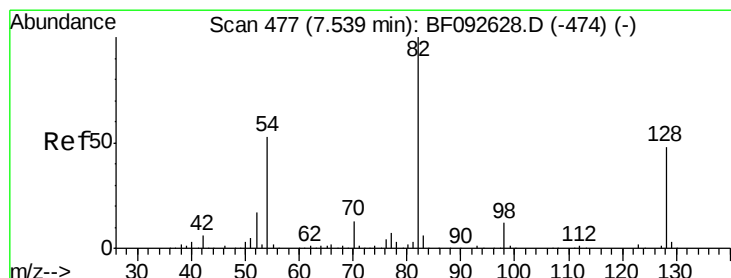
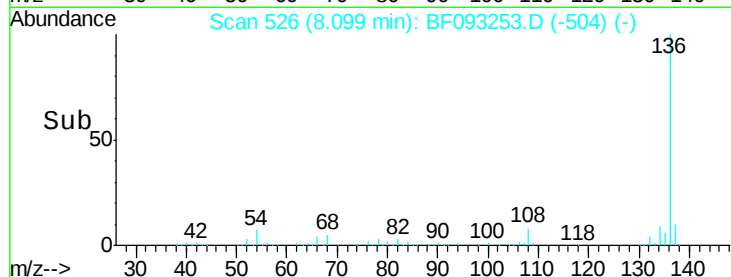
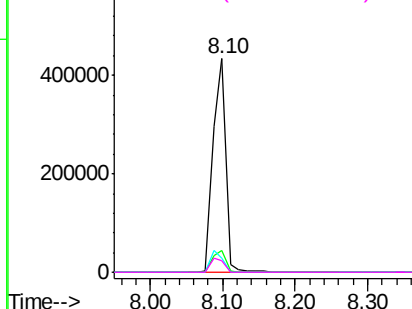
Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.3	8.4	12.6
54	6.8	4.5	6.7#
68	5.3	3.6	5.4

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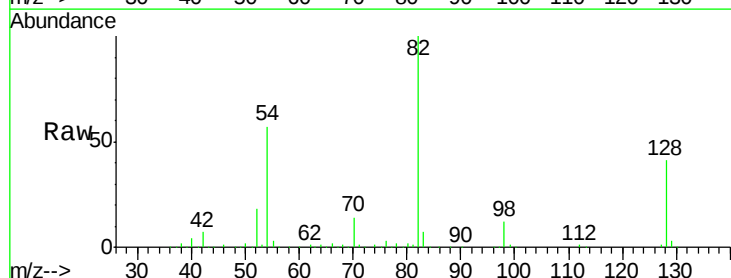


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

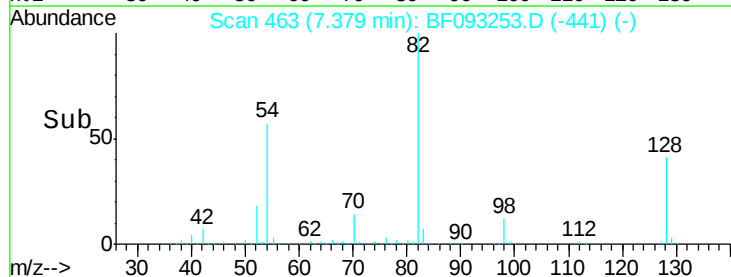
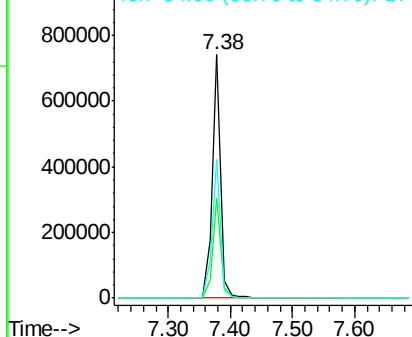


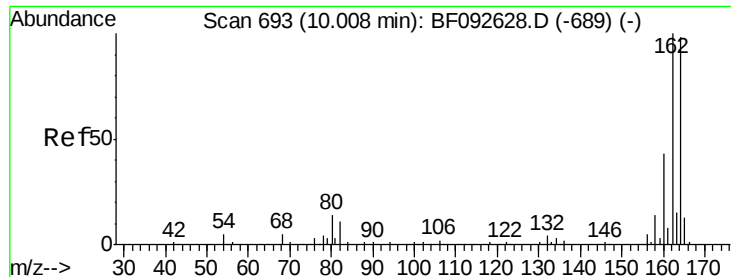
#23
Nitrobenzene-d5
Concen: 72.41 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	41.4	34.6	52.0
54	56.8	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





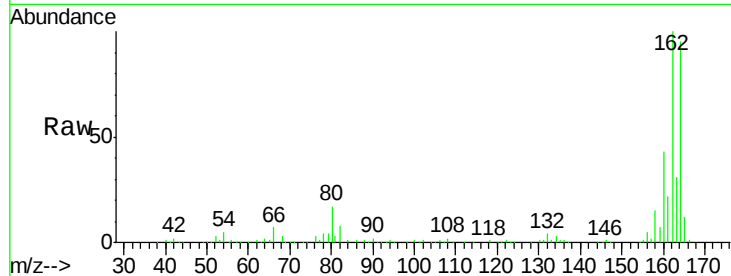
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Instrument :
BNA_F
ClientSampleId :
TK3-5-20170227

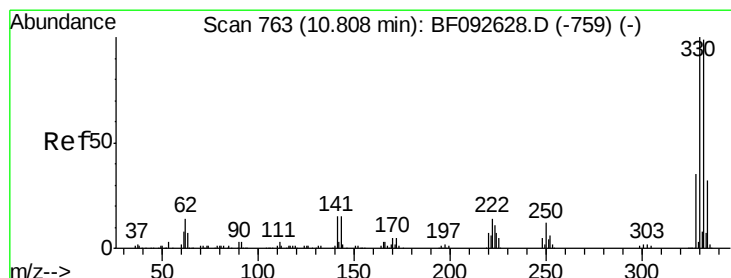
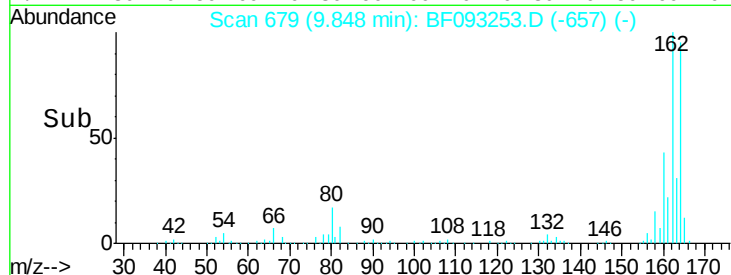
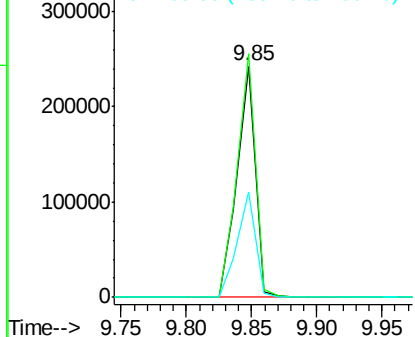
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	234674		
162	105.5	80.2	120.2	
160	45.6	36.9	55.3	

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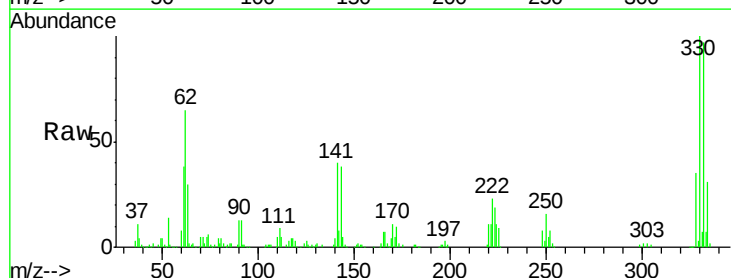


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

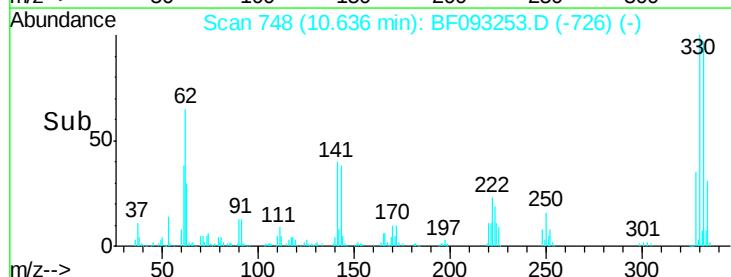
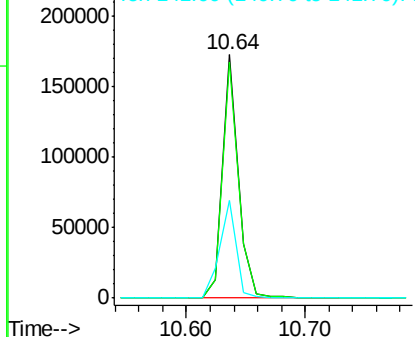


#41
2,4,6-Tribromophenol
Concen: 92.94 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	157742		
332	97.3	77.4	116.2	
141	41.7	34.1	51.1	



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





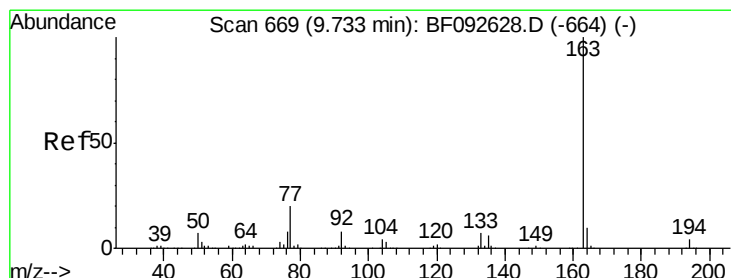
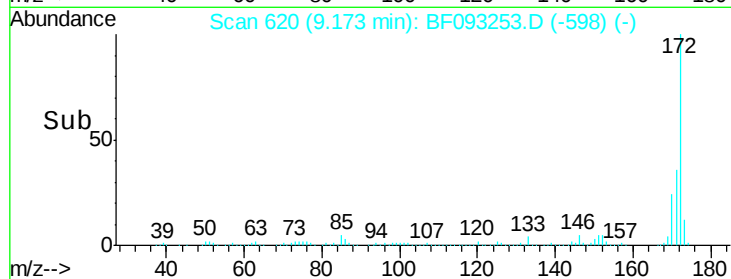
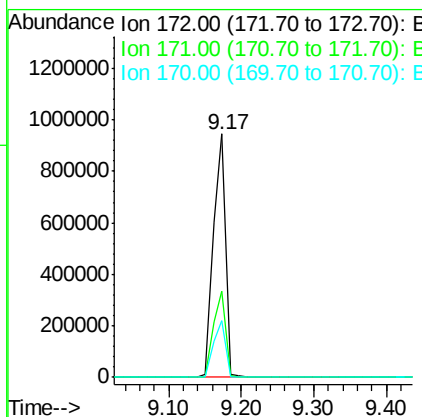
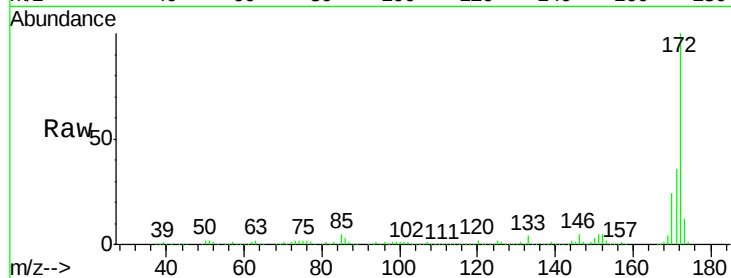
#44
 2-Fluorobiphenyl
 Concen: 84.14 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093253.D
 Acq: 28 Feb 2017 17:23

Instrument :
 BNA_F
 ClientSampleId :
 TK3-5-20170227

Tgt Ion:172 Resp: 1089935
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 23.5 20.2 30.4

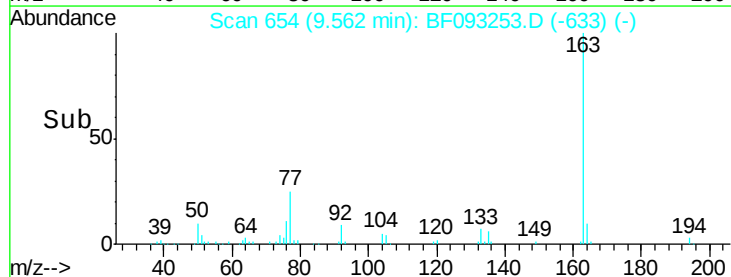
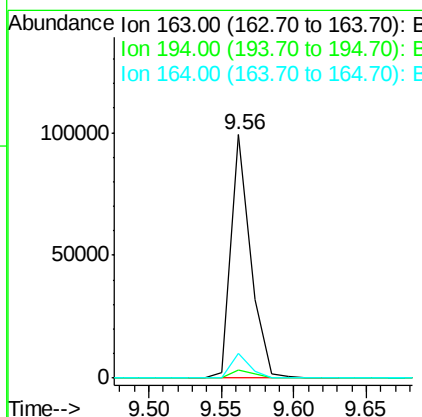
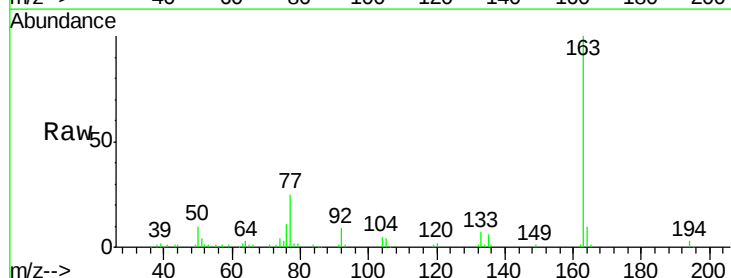
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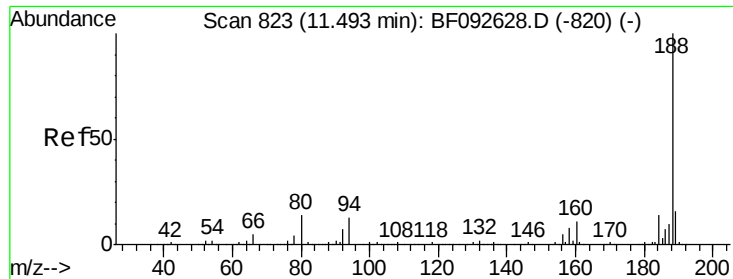
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#49
 Dimethylphthalate
 Concen: 5.91 ng
 RT: 9.56 min Scan# 654
 Delta R.T. -0.06 min
 Lab File: BF093253.D
 Acq: 28 Feb 2017 17:23

Tgt Ion:163 Resp: 93451
 Ion Ratio Lower Upper
 163 100
 194 3.1 3.0 4.4
 164 10.3 8.0 12.0





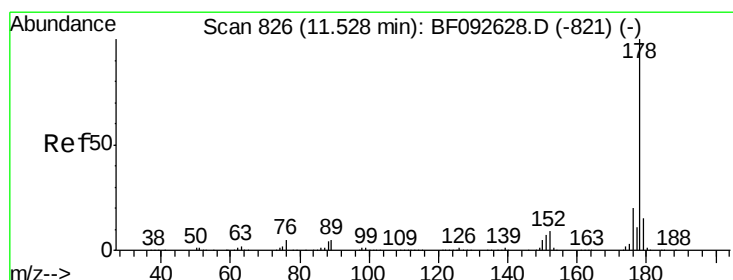
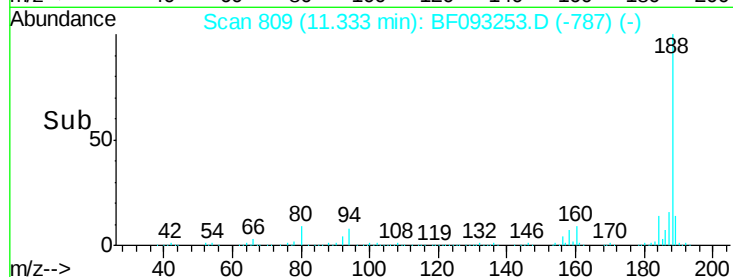
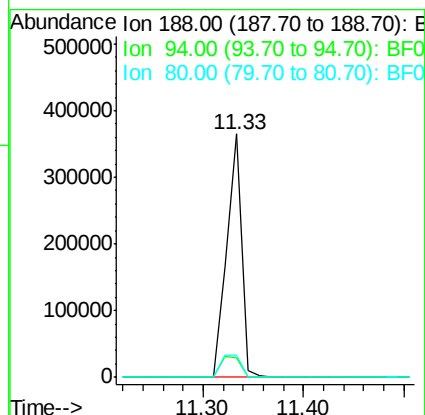
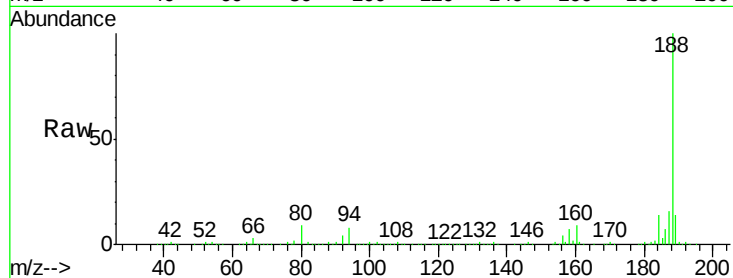
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Instrument :
BNA_F
ClientSampleId :
TK3-5-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	374651		
94	8.1	10.0	15.0#	
80	9.0	11.2	16.8#	

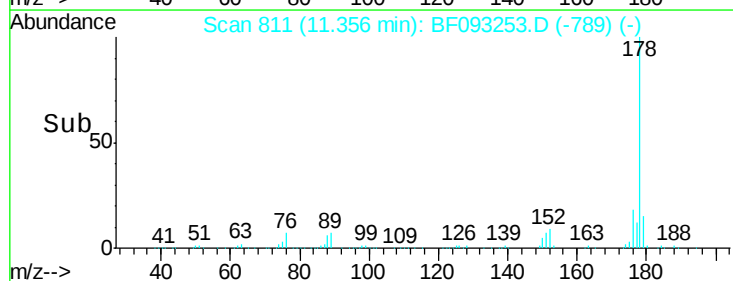
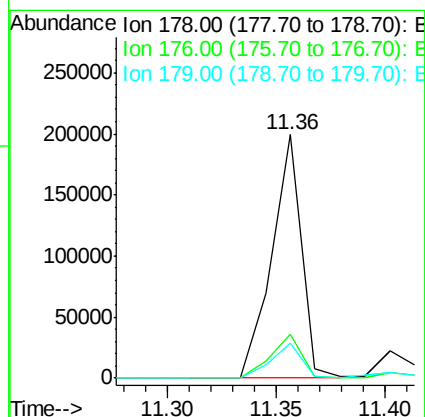
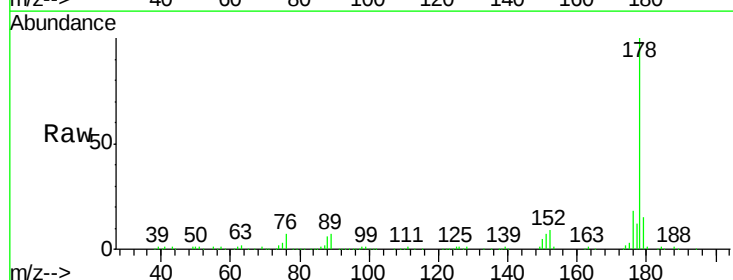
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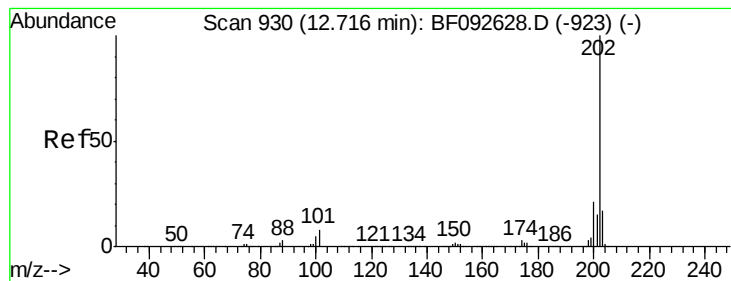
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#70
Phenanthrene
Concen: 8.90 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	191090		
176	18.3	16.6	25.0	
179	14.6	12.8	19.2	





#74

Fluoranthene

Concen: 15.23 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

Instrument :

BNA_F

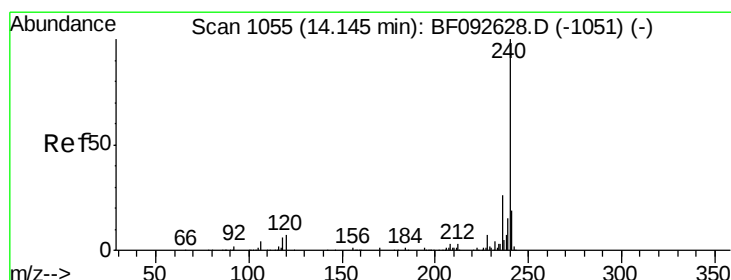
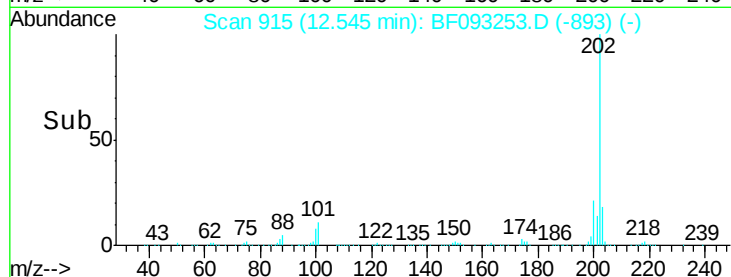
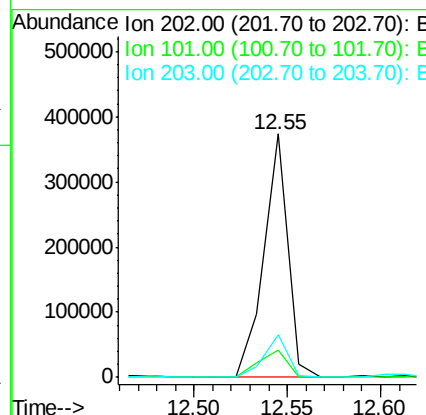
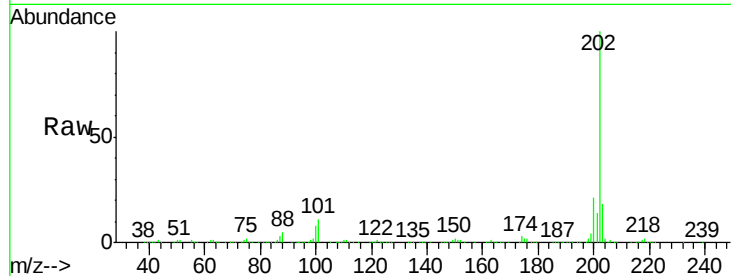
ClientSampleId :

TK3-5-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	337194		
101	11.0	0.0	34.6	
203	17.6	0.0	38.7	

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#75

Chrysene-d12

Concen: 20.00 ng

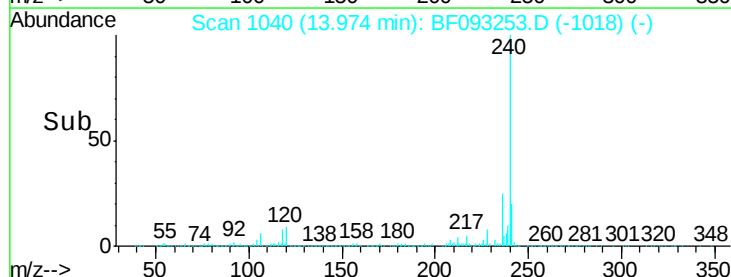
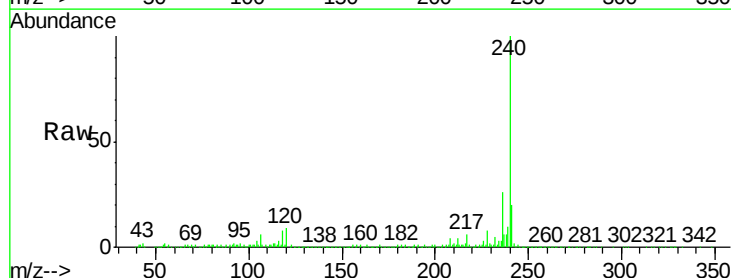
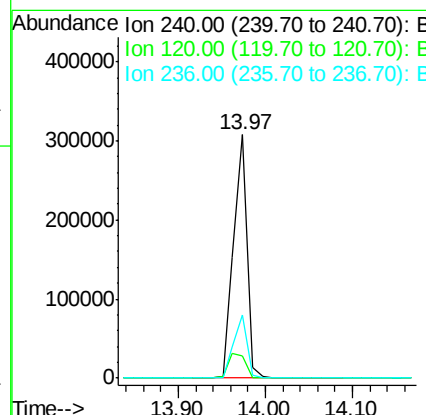
RT: 13.97 min Scan# 1040

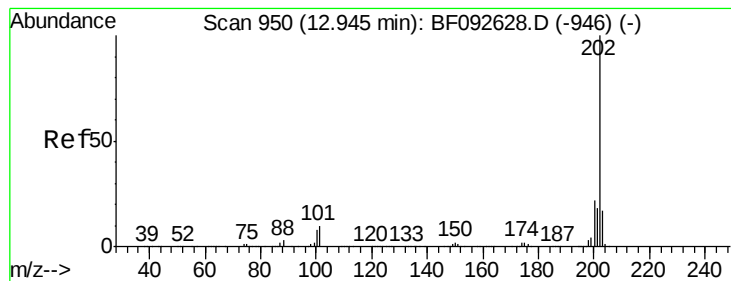
Delta R.T. -0.05 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	328348		
120	9.2	12.9	19.3#	
236	25.8	20.9	31.3	





#77

Pyrene

Concen: 13.05 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

Instrument :

BNA_F

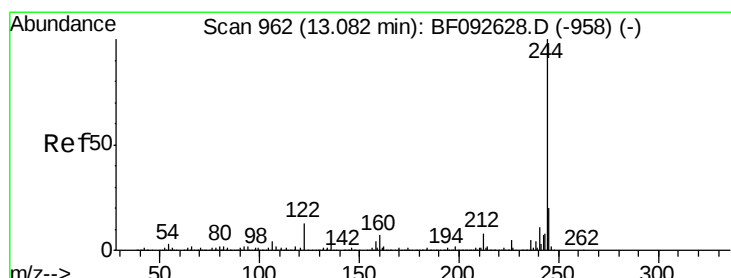
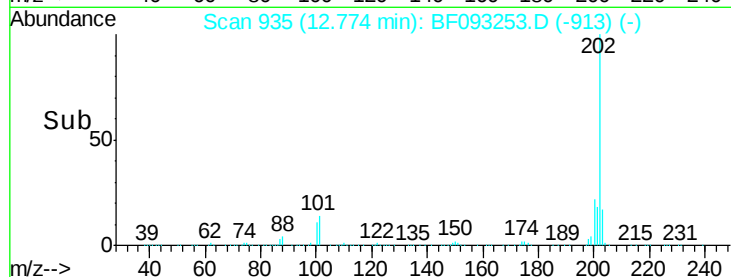
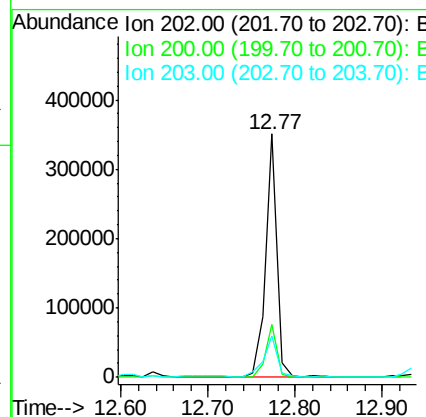
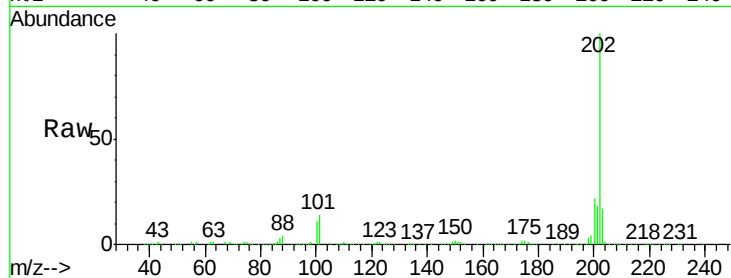
ClientSampleId :

TK3-5-20170227

Tgt Ion:	202	Resp:	320650
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.7	26.5
203	17.1	14.7	22.1

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#78

Terphenyl-d14

Concen: 48.56 ng

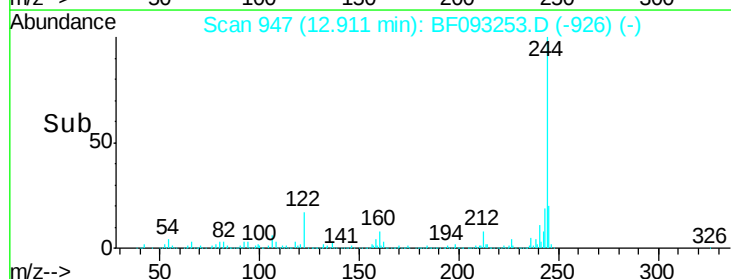
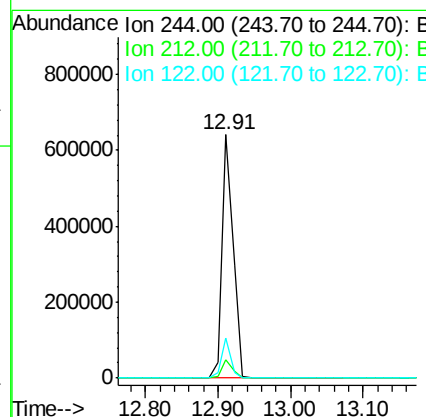
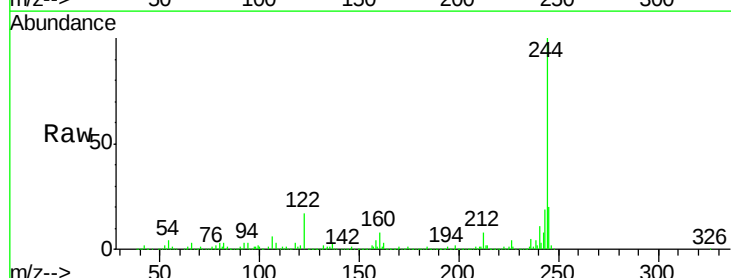
RT: 12.91 min Scan# 947

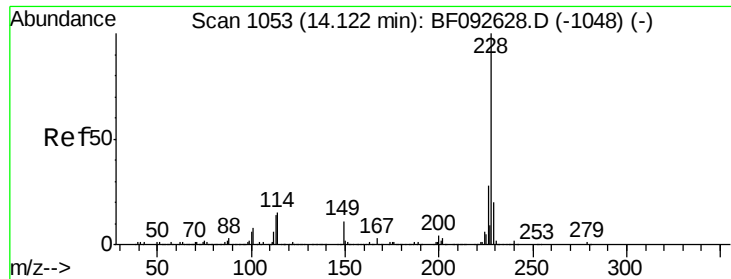
Delta R.T. -0.06 min

Lab File: BF093253.D

Acq: 28 Feb 2017 17:23

Tgt Ion:	244	Resp:	678536
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	16.5	11.4	17.2





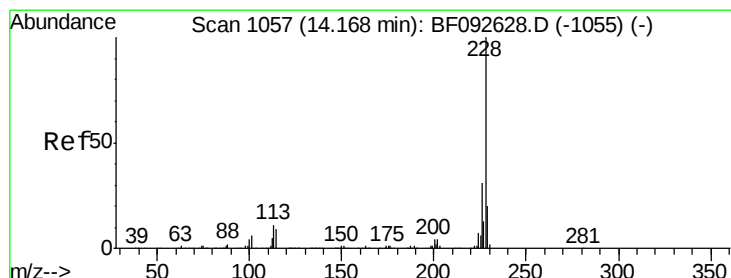
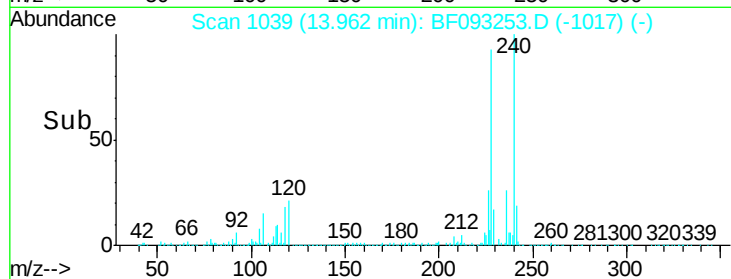
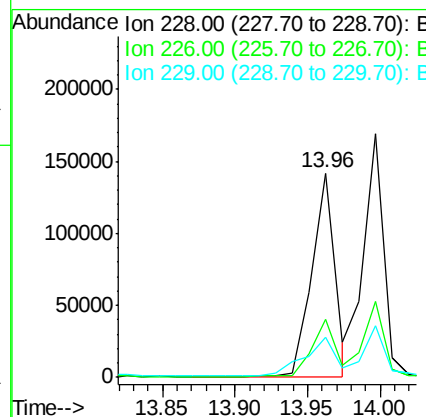
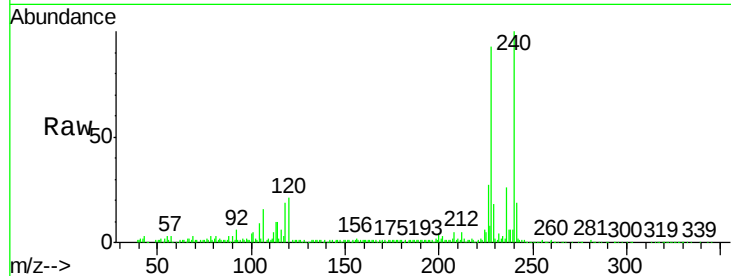
#80
Benzo(a)anthracene
Concen: 7.79 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Instrument :
BNA_F
ClientSampleId :
TK3-5-20170227

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.4	33.6
229	19.4	16.2	24.4

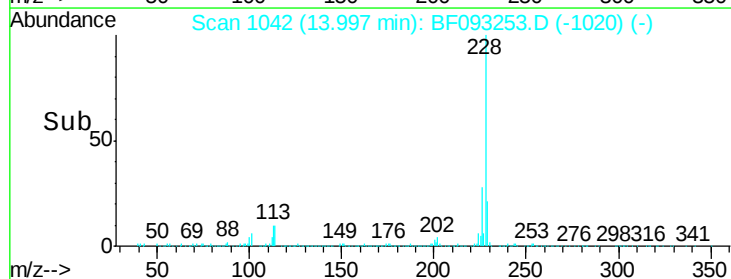
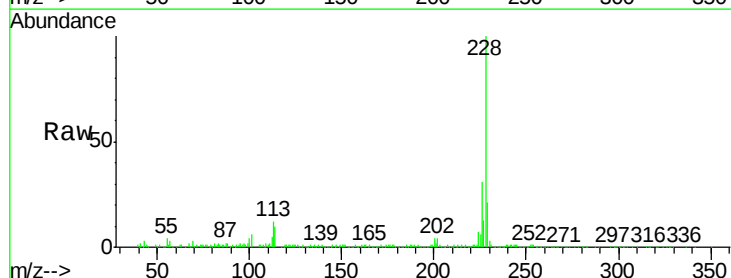
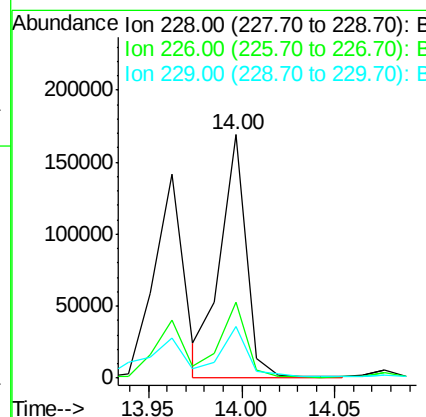
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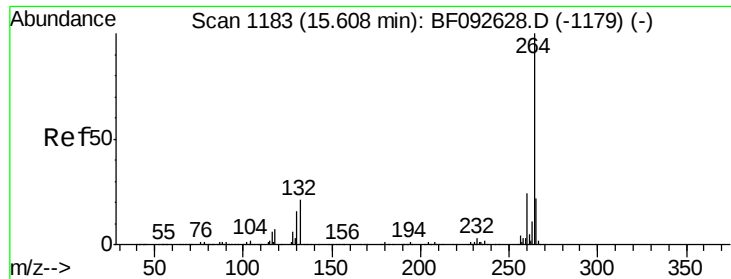
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#82
Chrysene
Concen: 8.60 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.4	38.0
229	21.4	16.2	24.2





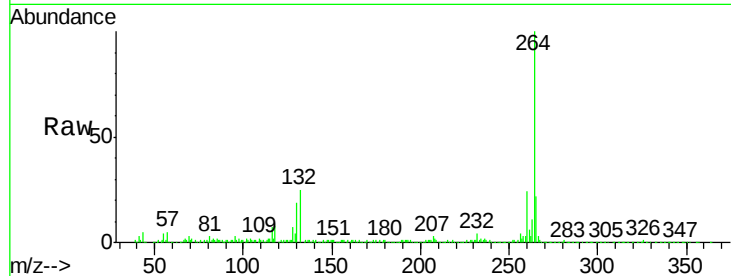
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Instrument :
BNA_F
ClientSampleId :
TK3-5-20170227

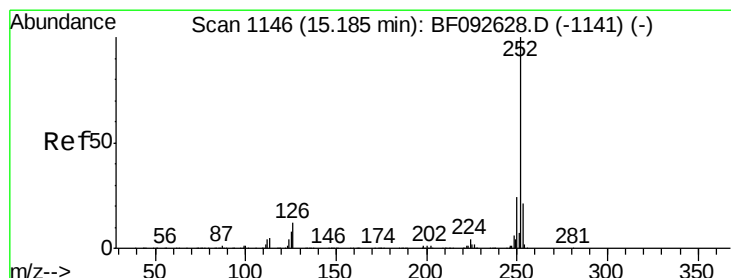
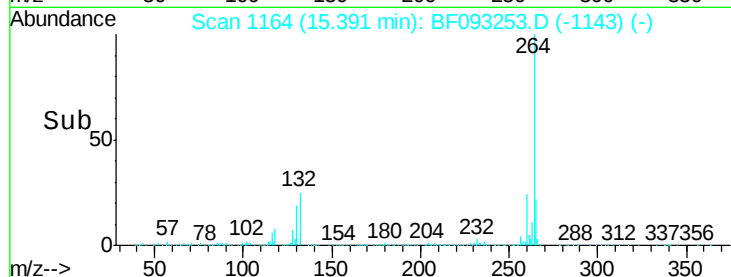
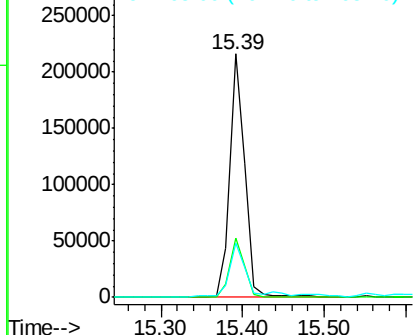
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	270798		
260	24.5	19.2	28.8	
265	22.3	17.4	26.0	

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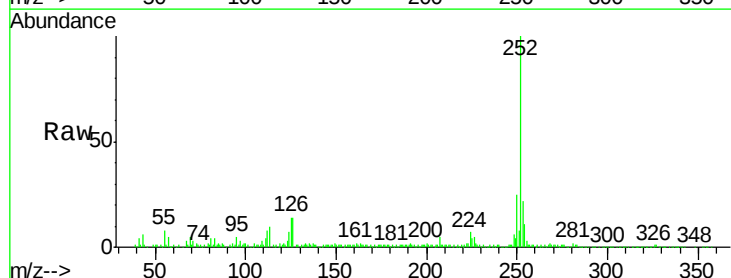


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

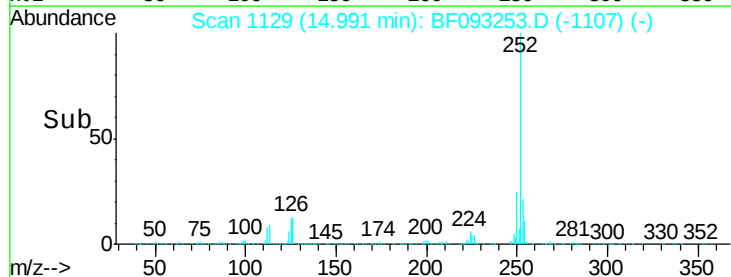
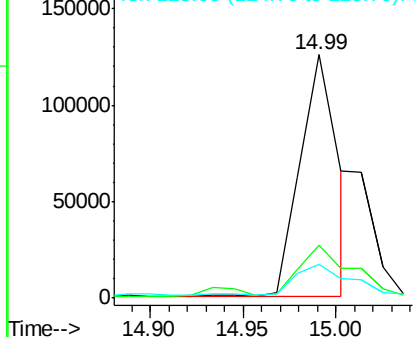


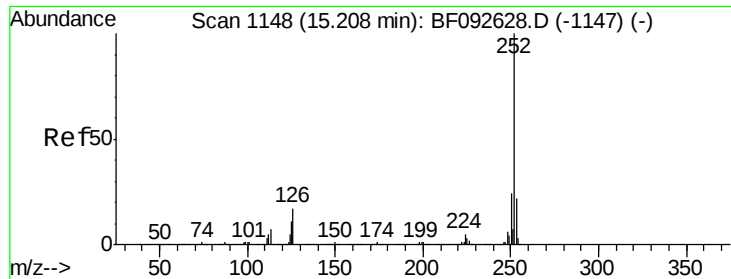
#87
Benzo(b)fluoranthene
Concen: 9.79 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	174560		
253	21.7	18.2	27.4	
125	13.7	9.8	14.6	



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





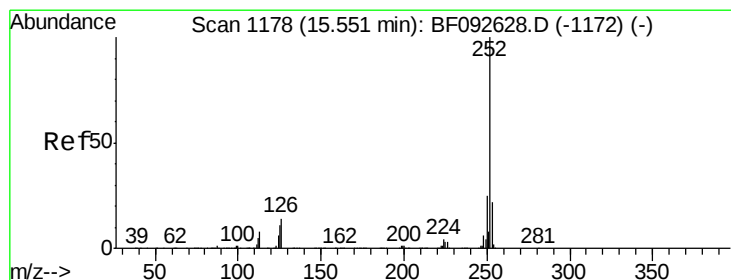
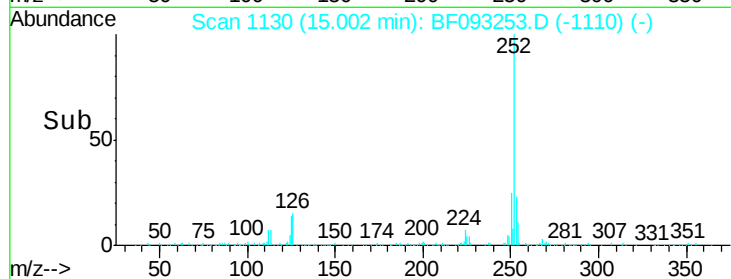
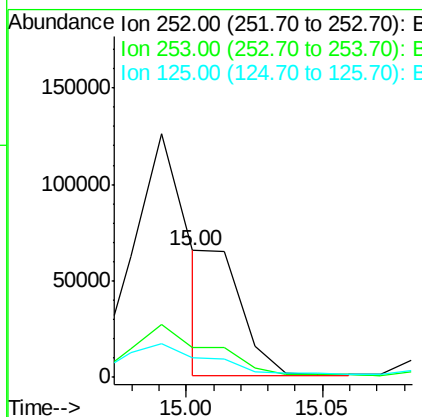
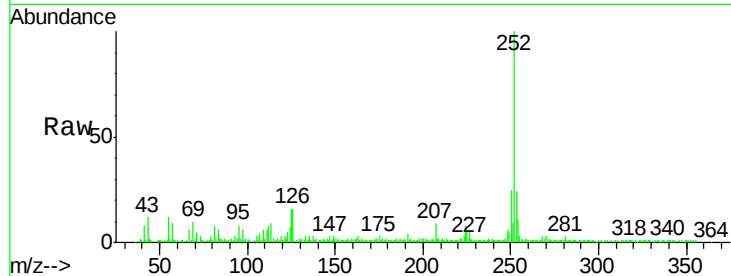
#88
Benzo(k)fluoranthene
Concen: 3.68 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Instrument :
BNA_F
ClientSampleId :
TK3-5-20170227

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	15.7	8.9	13.3

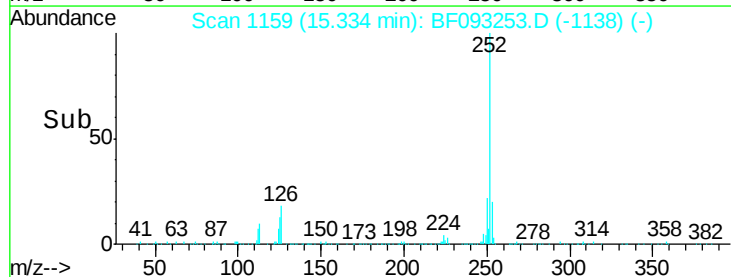
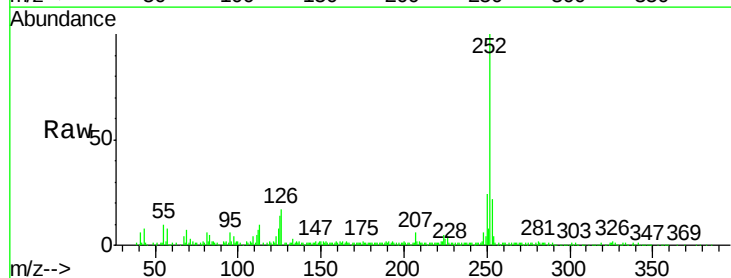
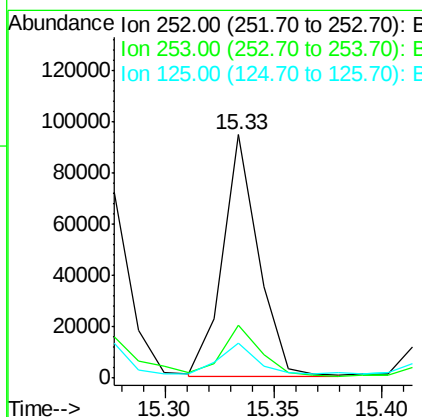
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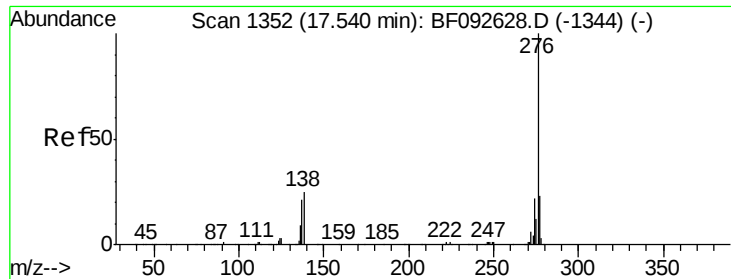
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#89
Benzo(a)pyrene
Concen: 6.89 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.06 min
Lab File: BF093253.D
Acq: 28 Feb 2017 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	14.4	10.0	15.0





#91
 Benzo(g,h,i)perylene
 Concen: 3.78 ng
 RT: 17.20 min Scan# 1322
 Delta R.T. -0.09 min
 Lab File: BF093253.D
 Acq: 28 Feb 2017 17:23

Instrument :
 BNA_F
 ClientSampleId :
 TK3-5-20170227

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.2	28.8
138	29.5	16.0	24.0

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