

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093254.D
 Acq On : 28 Feb 2017 17:51
 Operator : SJ/MA
 Sample : I2017-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK3-6-20170227

Manual Integrations
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mohammad
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Quant Time: Mar 01 02:28:39 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	141031	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	524062	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	210127	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	332806	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	290700	20.00	ng	-0.05
86) Perylene-d12	15.40	264	235777	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1073507	130.59	ng	-0.03
7) Phenol-d6	6.46	99	1217177	115.08	ng	-0.02
23) Nitrobenzene-d5	7.38	82	734289	78.03	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	160432	105.56	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	1088027	93.81	ng	-0.05
78) Terphenyl-d14	12.92	244	714393	57.74	ng	-0.05
Target Compounds						Qvalue
10) Phenol	6.48	94	98507	7.96	ng	90
31) Naphthalene	8.12	128	76491	2.88	ng	98
48) Acenaphthylene	9.71	152	395286	19.22	ng	98
49) Dimethylphthalate	9.56	163	104328	7.37	ng	98
51) Acenaphthene	9.88	154	25470	2.07	ng	93
54) Dibenzofuran	10.05	168	49841	3.03	ng	91
57) Fluorene	10.40	166	48331m	3.82	ng	
70) Phenanthrene	11.36	178	1010525	53.00	ng	99
71) Anthracene	11.40	178	297143	15.52	ng	97
72) Carbazole	11.56	167	129083	7.05	ng	98
74) Fluoranthene	12.55	202	1607669	81.74	ng	98
77) Pyrene	12.79	202	1604570	73.76	ng	98
80) Benzo(a)anthracene	13.96	228	951293	53.50	ng	93
82) Chrysene	14.01	228	821169	49.33	ng	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	191836	15.88	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.81	276	485266	37.63	ng	99
87) Benzo(b)fluoranthene	15.00	252	1037154m	66.83	ng	
88) Benzo(k)fluoranthene	15.03	252	393065m	29.33	ng	
89) Benzo(a)pyrene	15.35	252	667212	49.70	ng	# 94
90) Dibenzo(a,h)anthracene	16.80	278	132274m	12.19	ng	
91) Benzo(g,h,i)perylene	17.23	276	463644	42.30	ng	# 93

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

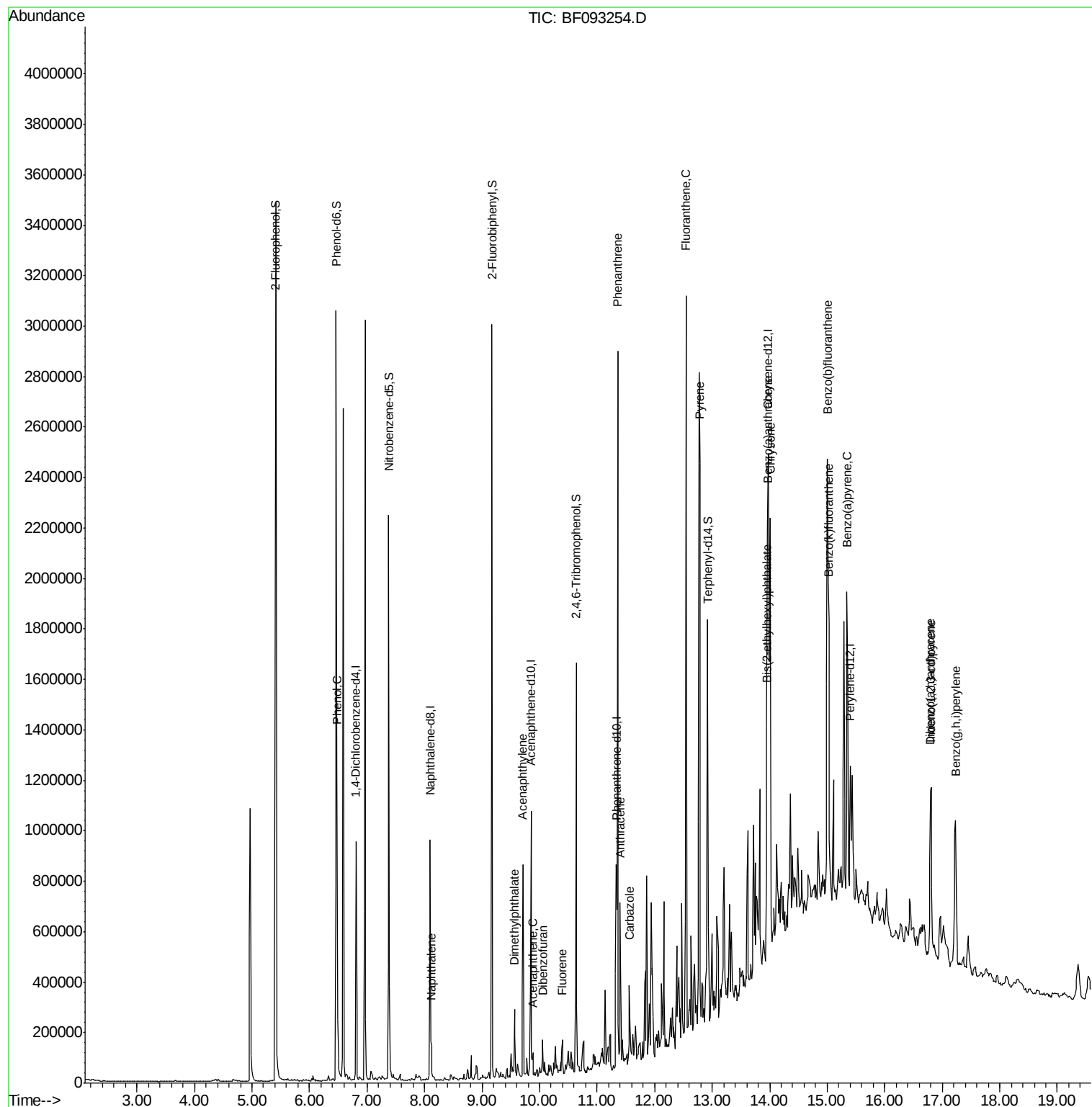
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093254.D
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ALS Vial : 17 Sample Multiplier: 1

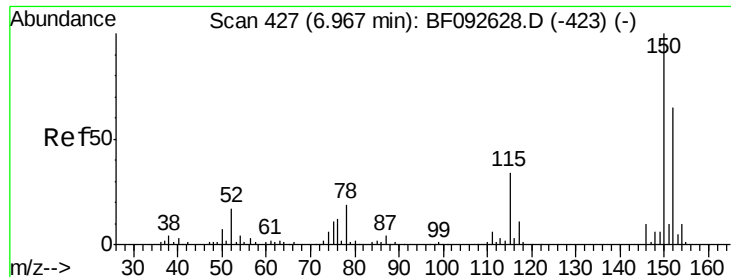
Instrument :
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TK3-6-20170227

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Quant Time: Mar 01 02:28:39 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

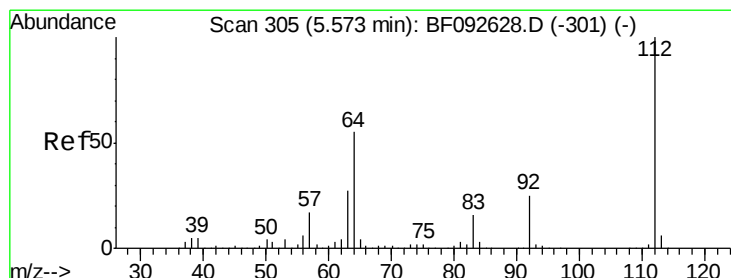
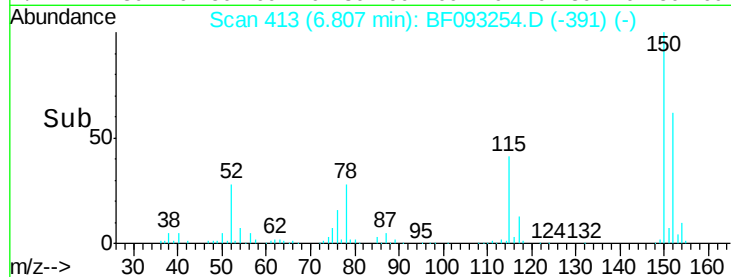
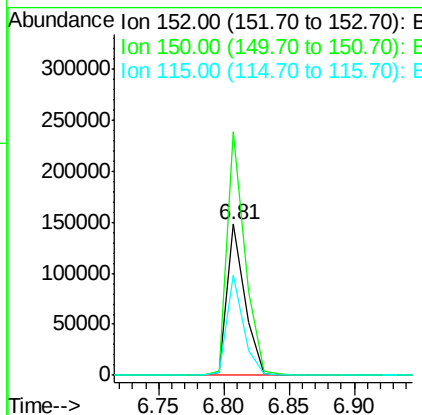
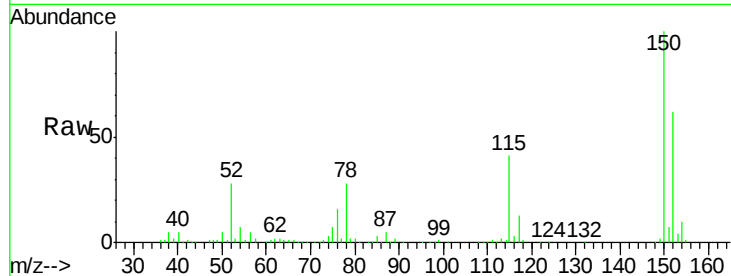
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093254.D
Acq: 28 Feb 2017 17:51

Instrument :
BNA_F
ClientSampleId :
TK3-6-20170227

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.9	187.3
115	66.2	46.0	69.0

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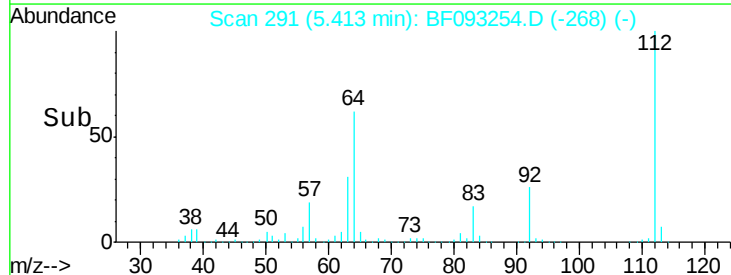
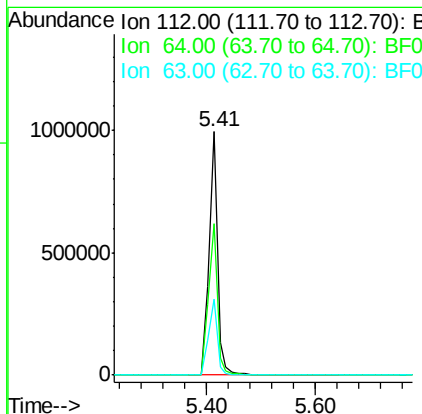
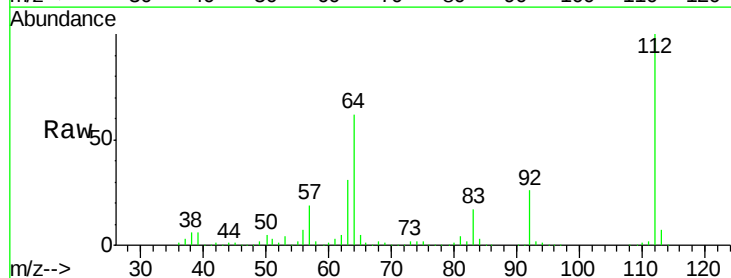
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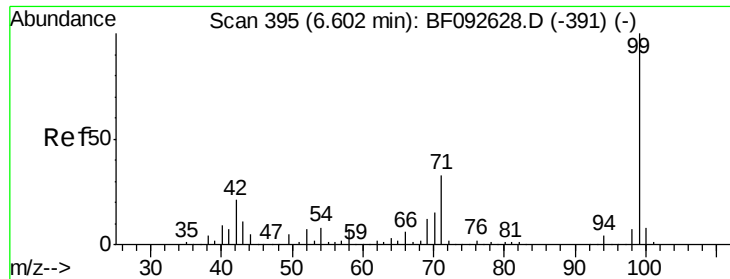


#5

2-Fluorophenol
Concen: 130.59 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093254.D
Acq: 28 Feb 2017 17:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	46.1	69.1
63	31.1	23.8	35.6





#7

Phenol-d6

Concen: 115.08 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093254.D

Acq: 28 Feb 2017 17:51

Instrument :

BNA_F

ClientSampleId :

TK3-6-20170227

Tgt Ion: 99 Resp: 1217177

Ion Ratio Lower Upper

99 100

42 20.7 15.6 23.4

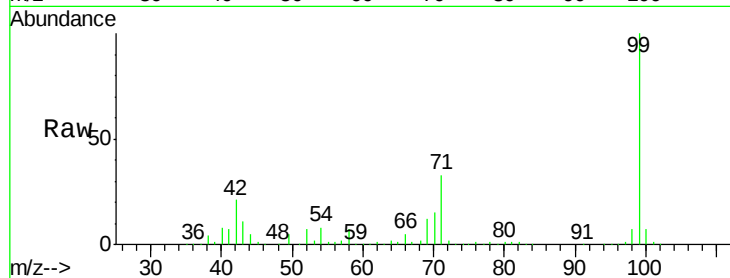
71 32.9 27.5 41.3

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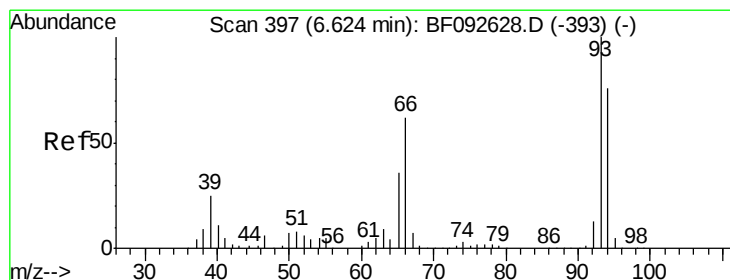
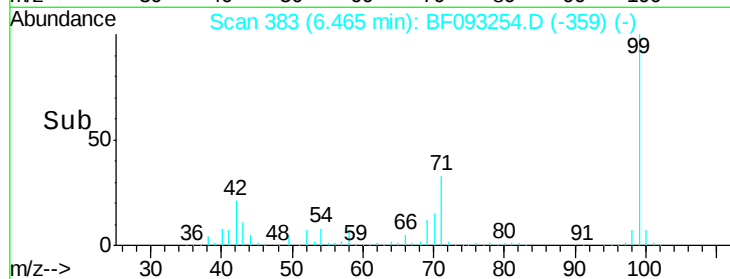
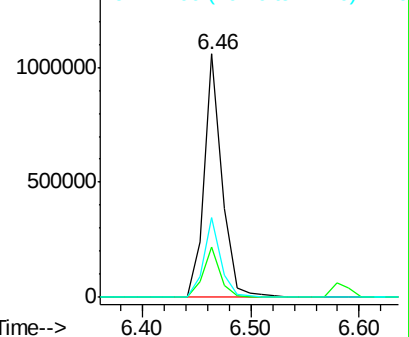
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 7.96 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF093254.D

Acq: 28 Feb 2017 17:51

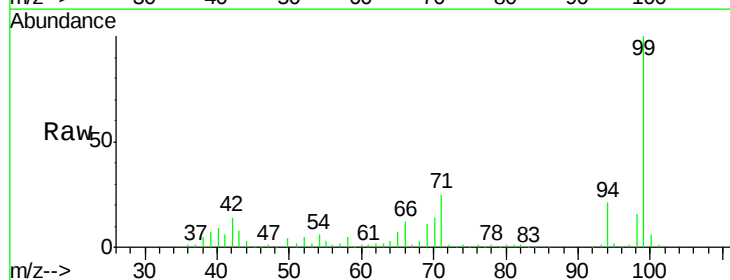
Tgt Ion: 94 Resp: 98507

Ion Ratio Lower Upper

94 100

65 33.7 21.4 61.4

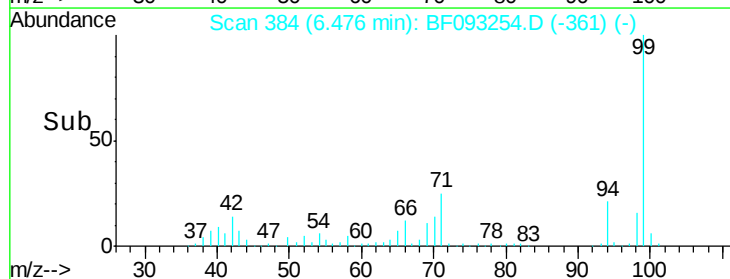
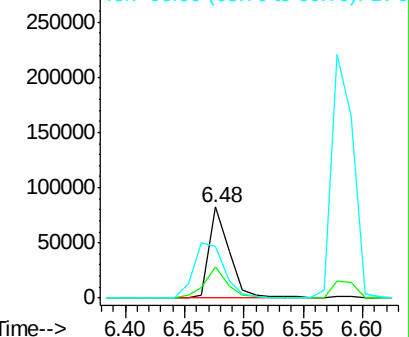
66 57.1 44.0 84.0

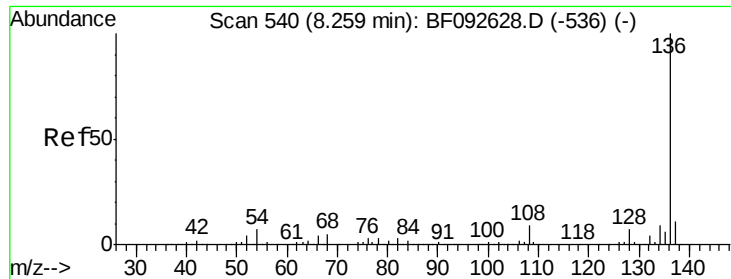


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

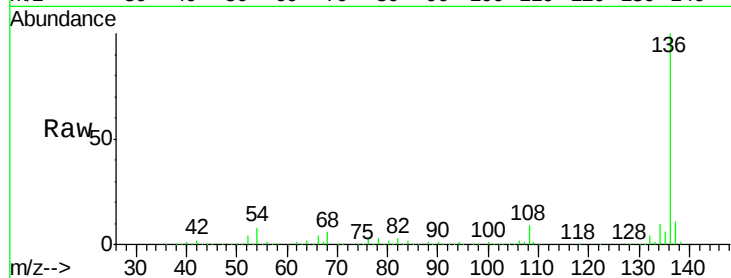
Ion 66.00 (65.70 to 66.70): BF0





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093254.D
Acq: 28 Feb 2017 17:51

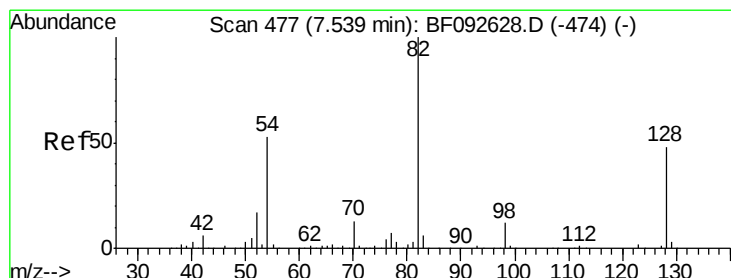
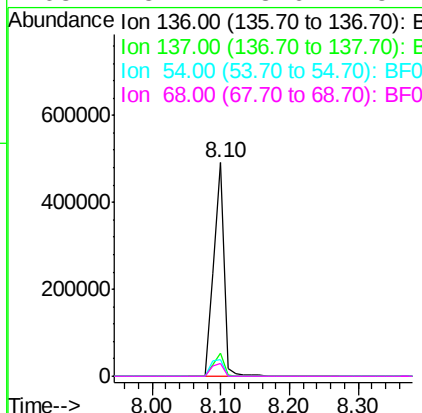
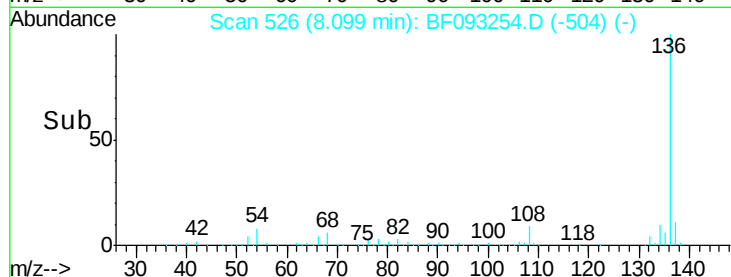
Instrument :
BNA_F
ClientSampleId :
TK3-6-20170227



Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.8	8.4	12.6
54	7.8	4.5	6.7#
68	5.7	3.6	5.4#

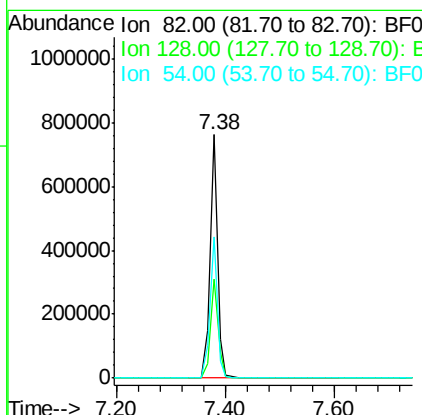
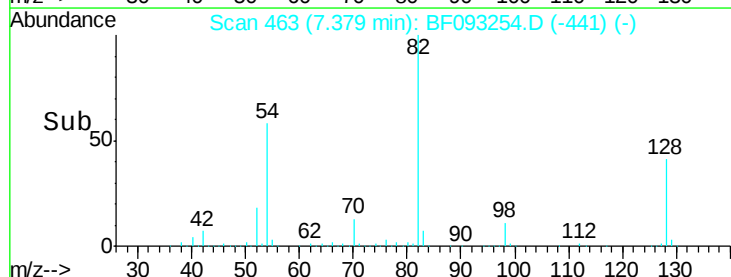
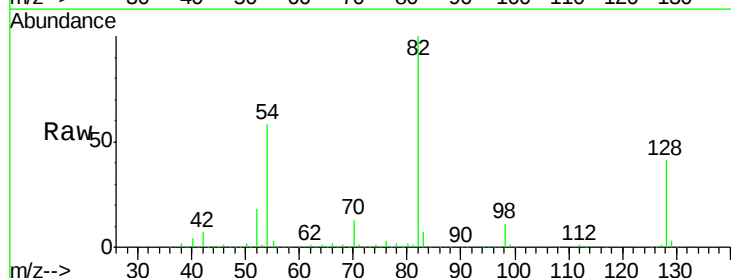
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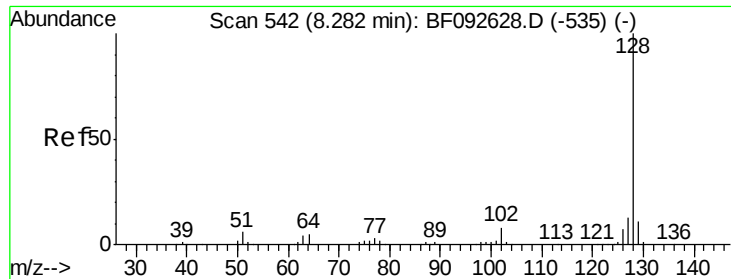
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#23
Nitrobenzene-d5
Concen: 78.03 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093254.D
Acq: 28 Feb 2017 17:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	40.8	34.6	52.0
54	58.1	39.5	59.3





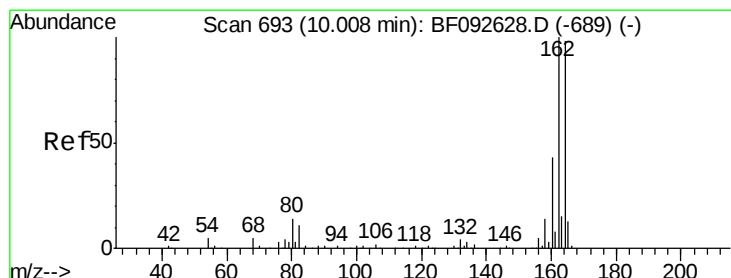
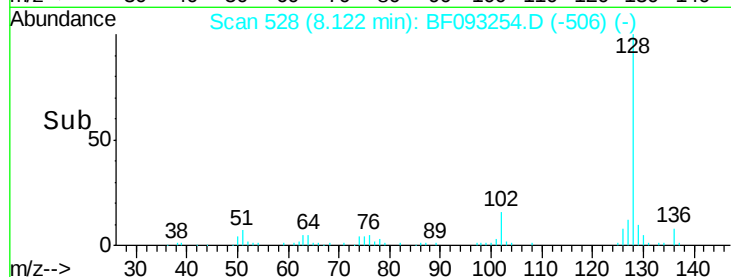
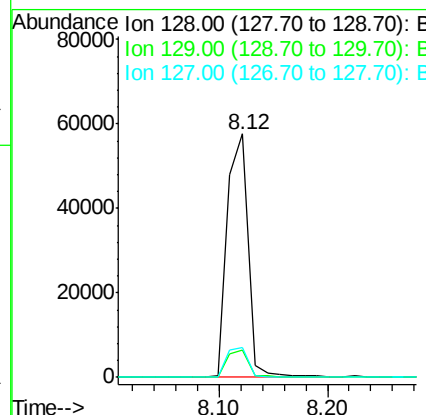
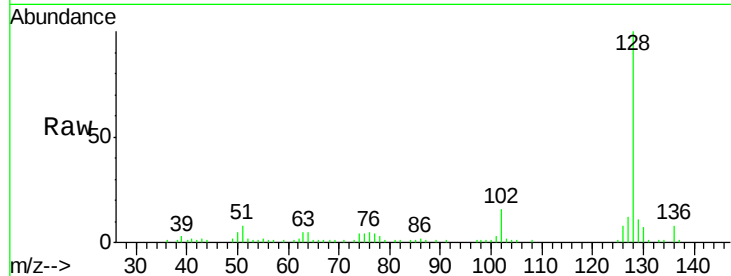
#31
Naphthalene
Concen: 2.88 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF093254.D
Acq: 28 Feb 2017 17:51

Instrument :
BNA_F
ClientSampleId :
TK3-6-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	76491		
129	11.3		9.5	14.3
127	12.4		10.8	16.2

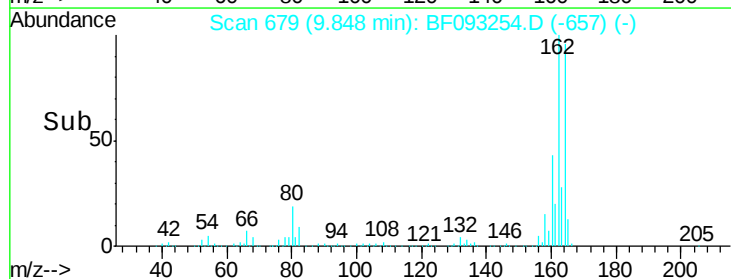
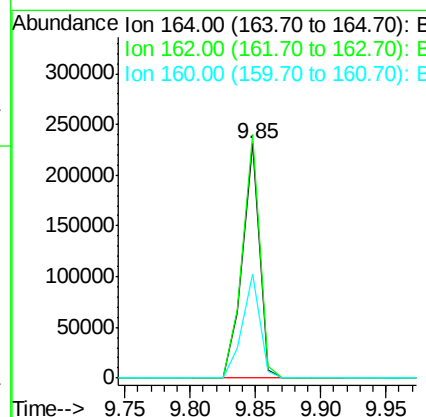
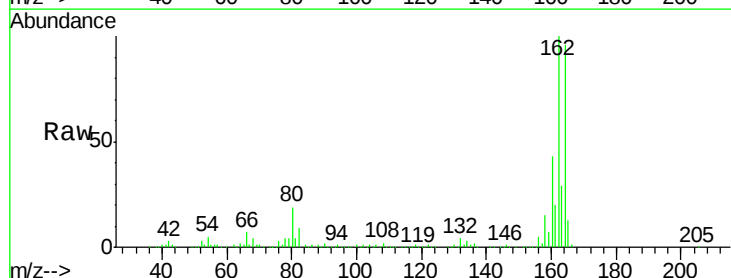
Manual Integrations
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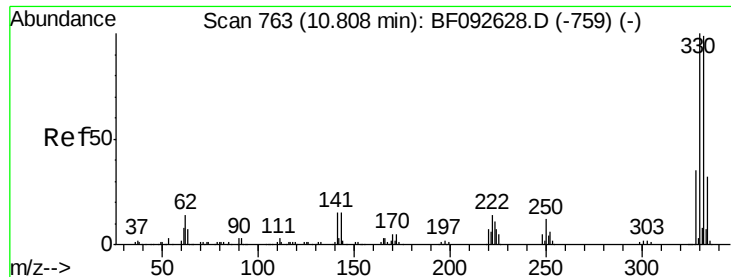
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093254.D
Acq: 28 Feb 2017 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	210127		
162	104.0		80.2	120.2
160	44.7		36.9	55.3





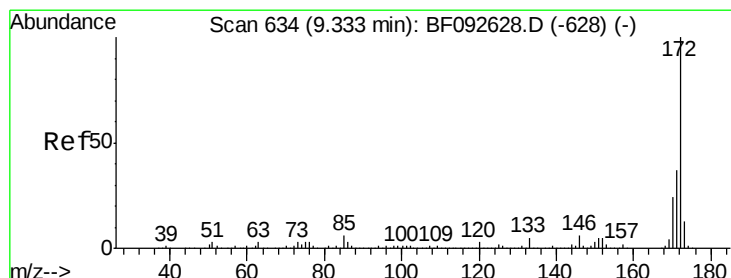
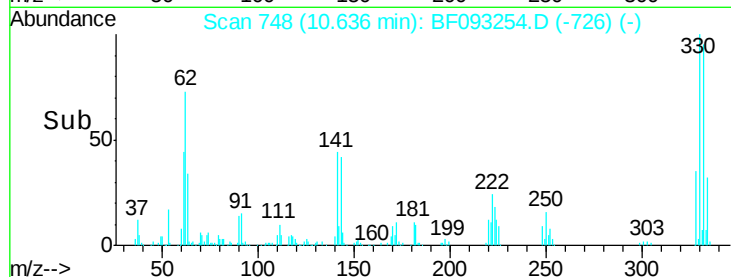
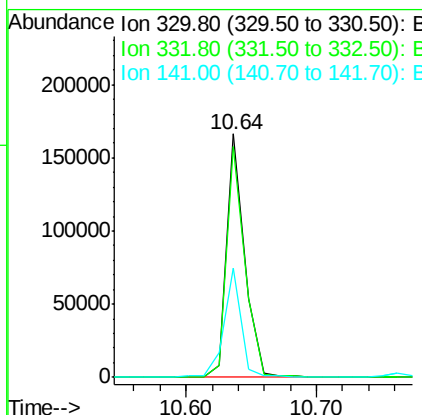
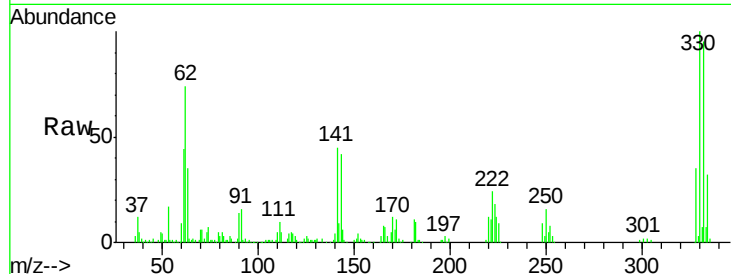
#41
 2,4,6-Tribromophenol
 Concen: 105.56 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093254.D
 Acq: 28 Feb 2017 17:51

Instrument :
 BNA_F
 ClientSampleId :
 TK3-6-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	160432		
332	96.4	77.4	116.2	
141	42.4	34.1	51.1	

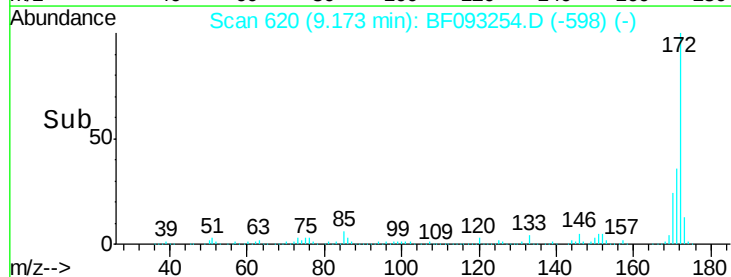
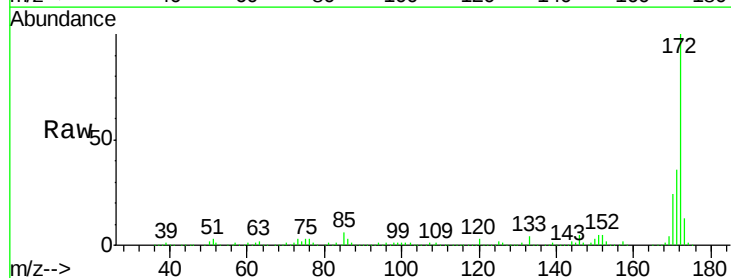
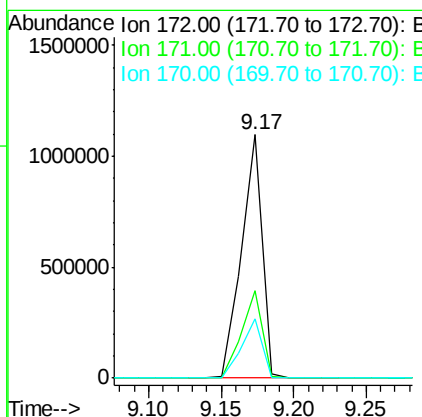
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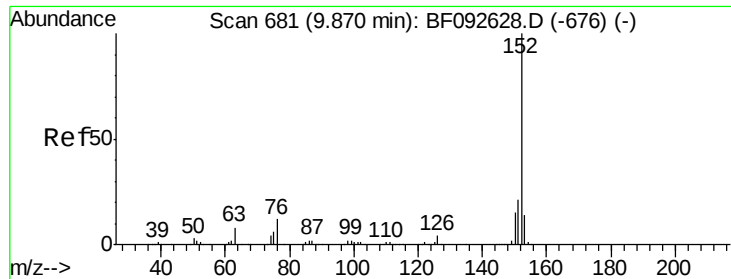
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#44
 2-Fluorobiphenyl
 Concen: 93.81 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093254.D
 Acq: 28 Feb 2017 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1088027		
171	36.1	29.4	44.0	
170	24.3	20.2	30.4	





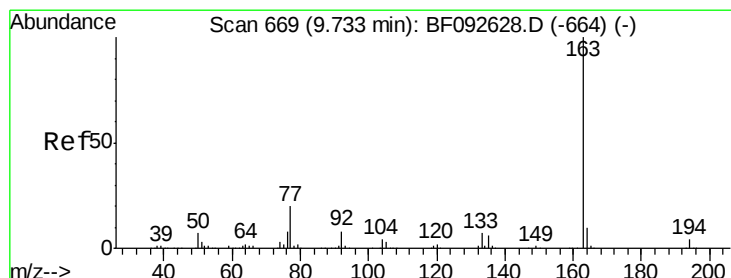
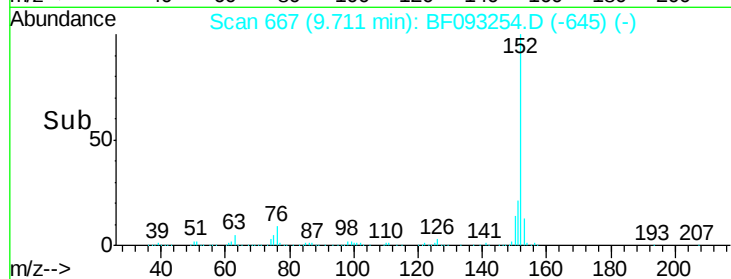
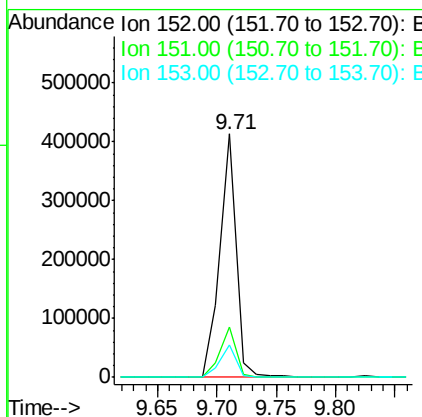
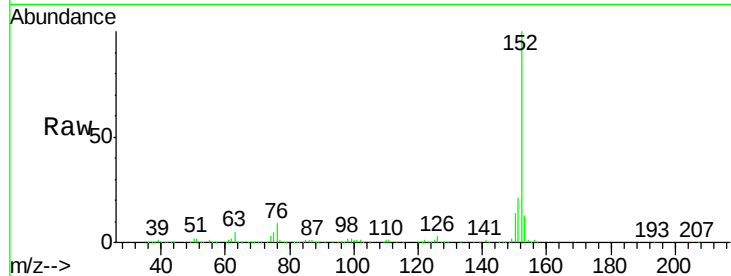
#48
Acenaphthylene
Concen: 19.22 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093254.D
Acq: 28 Feb 2017 17:51

Instrument :
BNA_F
ClientSampleId :
TK3-6-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	395286		
151	20.6	16.9	25.3	
153	13.2	11.4	17.2	

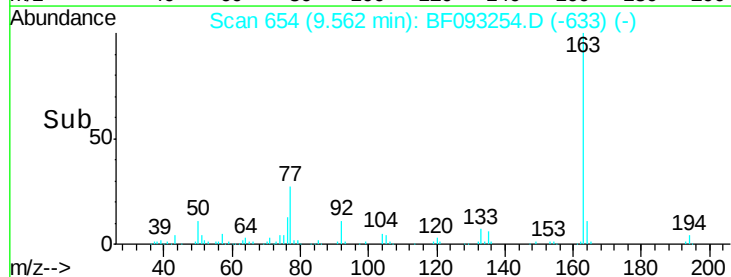
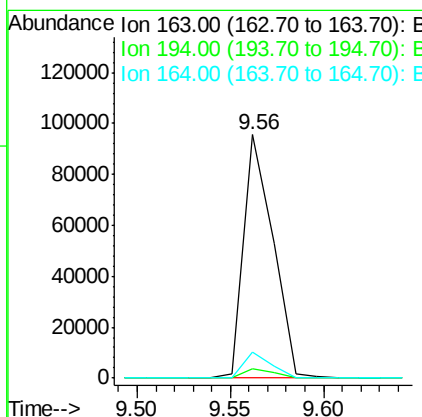
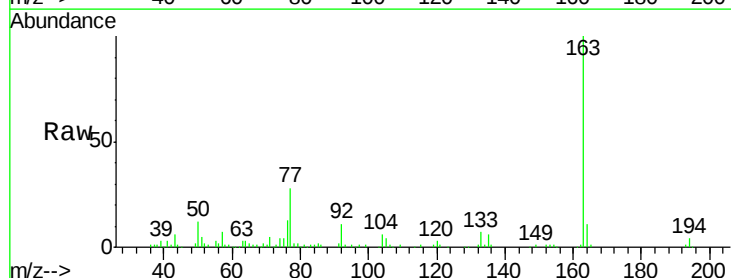
Manual Integrations
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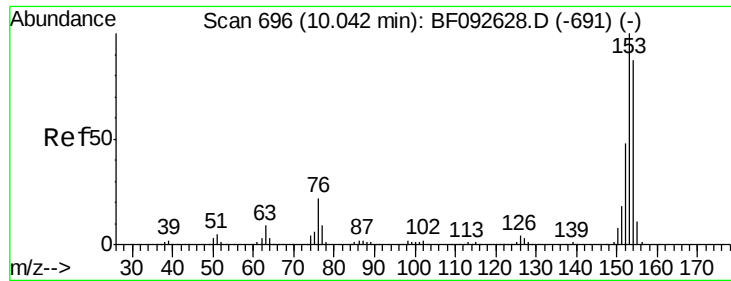
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#49
Dimethylphthalate
Concen: 7.37 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093254.D
Acq: 28 Feb 2017 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	104328		
194	3.6	3.0	4.4	
164	10.8	8.0	12.0	





#51

Acenaphthene

Concen: 2.07 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF093254.D

Acq: 28 Feb 2017 17:51

Instrument :

BNA_F

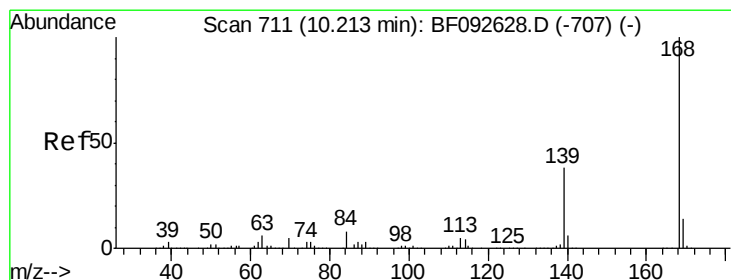
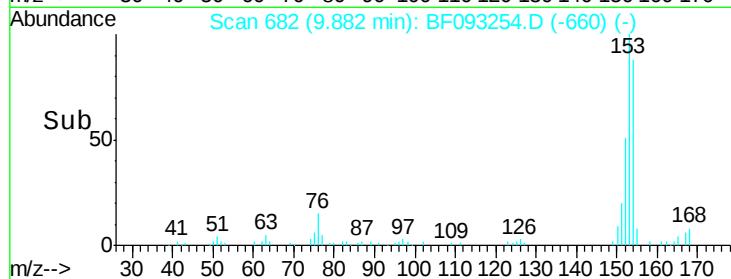
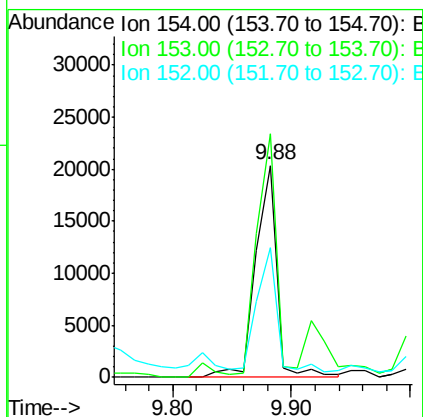
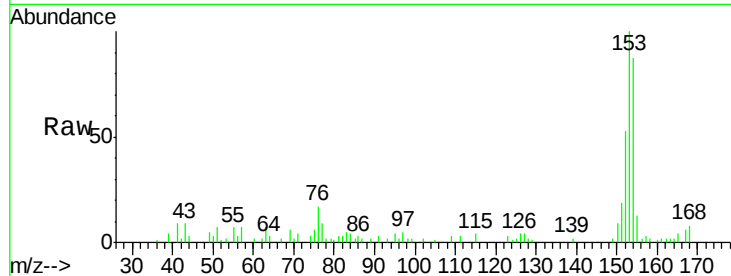
ClientSampleId :

TK3-6-20170227

Tgt Ion:154	Resp:	25470
Ion Ratio	Lower	Upper
154	100	
153	114.9	88.6 133.0
152	61.1	41.6 62.4

Manual Integrations
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#54

Dibenzofuran

Concen: 3.03 ng

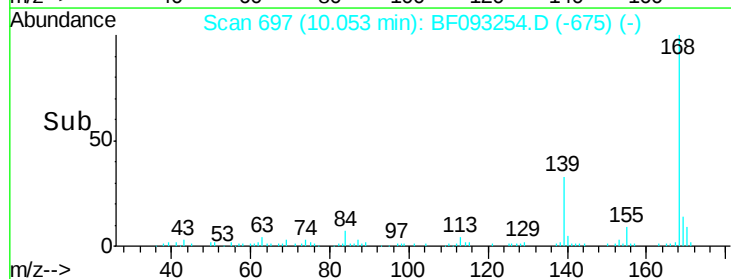
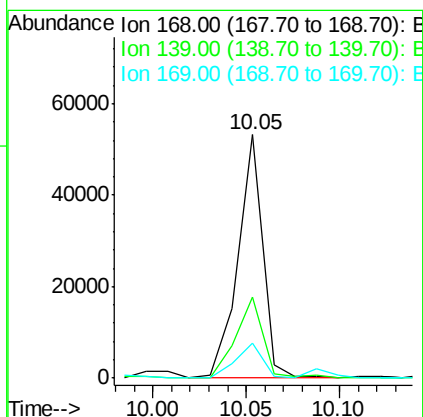
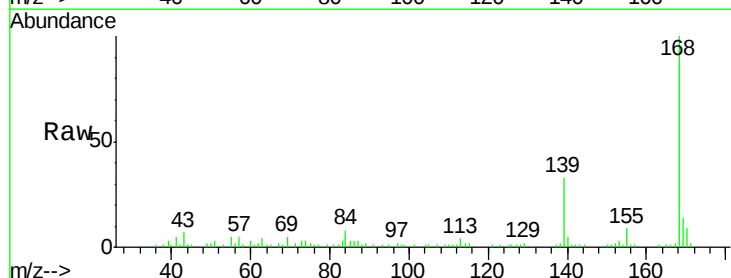
RT: 10.05 min Scan# 697

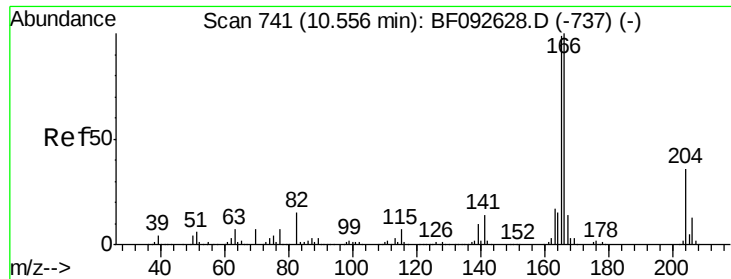
Delta R.T. -0.05 min

Lab File: BF093254.D

Acq: 28 Feb 2017 17:51

Tgt Ion:168	Resp:	49841
Ion Ratio	Lower	Upper
168	100	
139	33.2	32.6 49.0
169	14.3	11.3 16.9





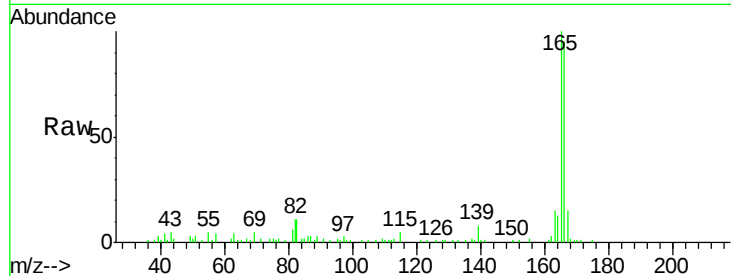
#57
Fluorene
Concen: 3.82 ng m
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093254.D
Acq: 28 Feb 2017 17:51

Instrument :
BNA_F
ClientSampleId :
TK3-6-20170227

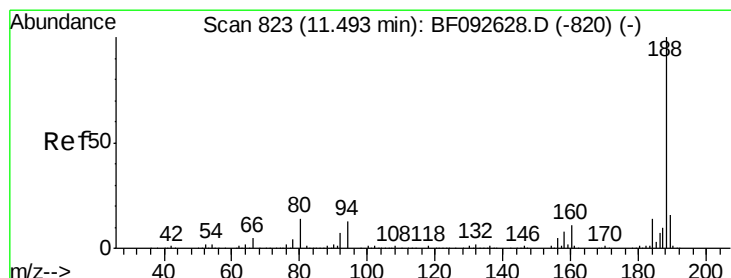
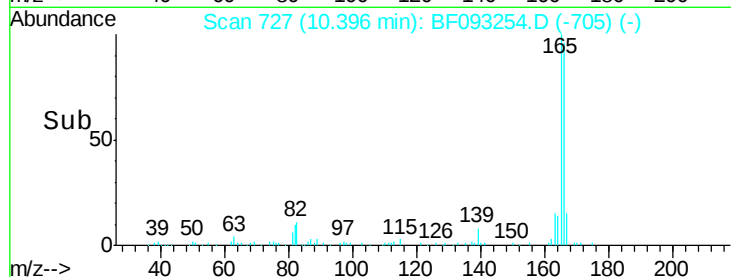
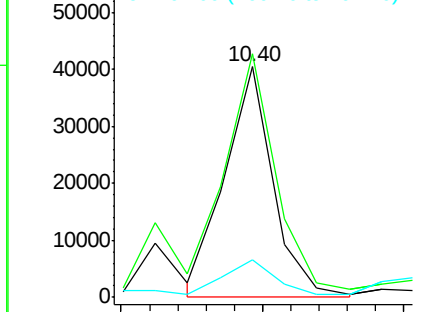
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	48331		
165	105.5	77.8	116.8	
167	16.2	10.8	16.2#	

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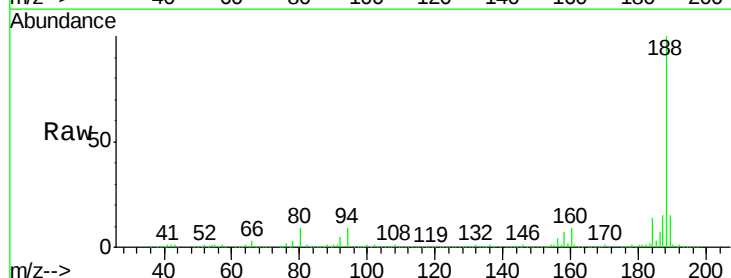


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

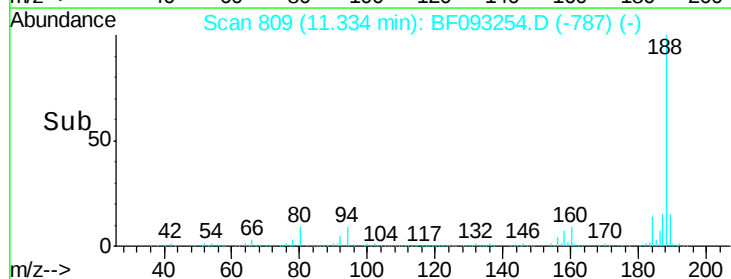
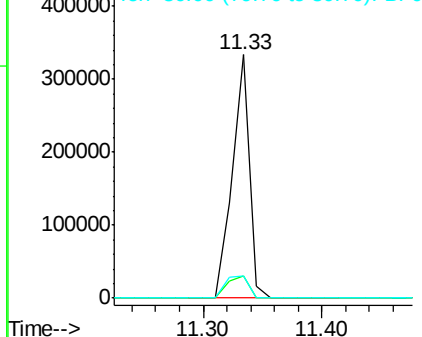


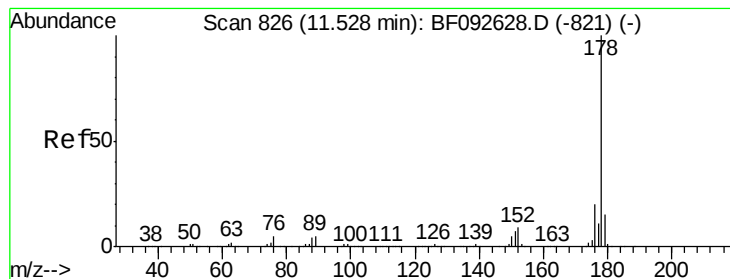
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093254.D
Acq: 28 Feb 2017 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	332806		
94	9.2	10.0	15.0#	
80	9.3	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: 53.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF093254.D

Acq: 28 Feb 2017 17:51

Instrument :

BNA_F

ClientSampleId :

TK3-6-20170227

Tgt Ion:178 Resp: 1010525

Ion Ratio Lower Upper

178 100

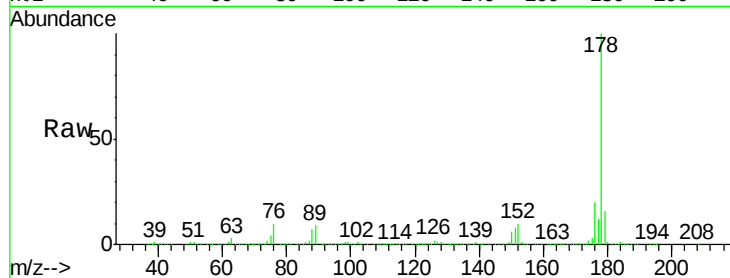
176 20.0 16.6 25.0

179 15.7 12.8 19.2

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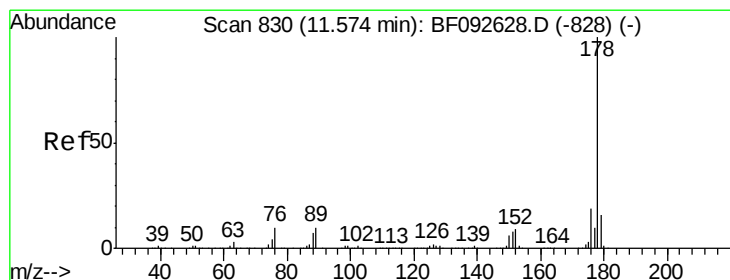
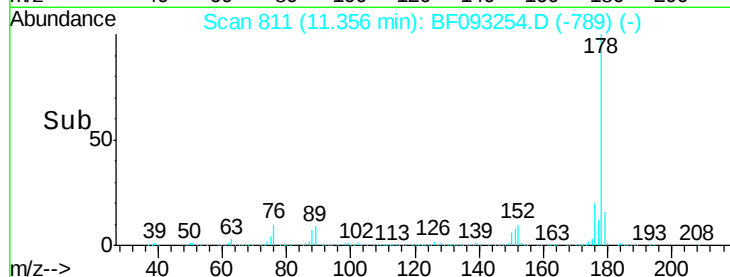
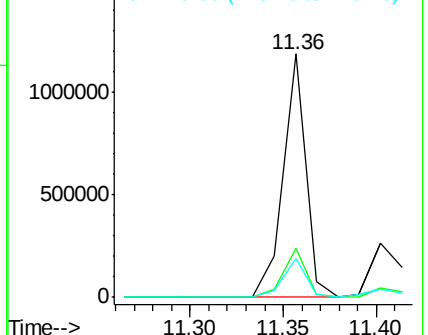
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 15.52 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.06 min

Lab File: BF093254.D

Acq: 28 Feb 2017 17:51

Tgt Ion:178 Resp: 297143

Ion Ratio Lower Upper

178 100

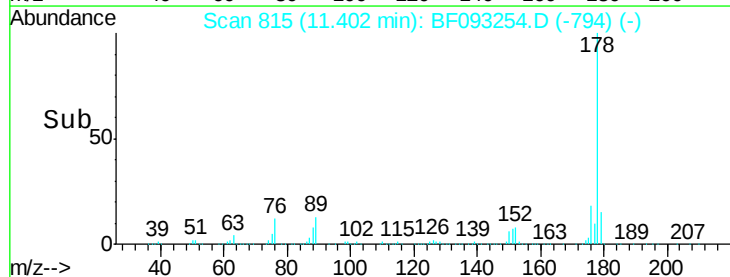
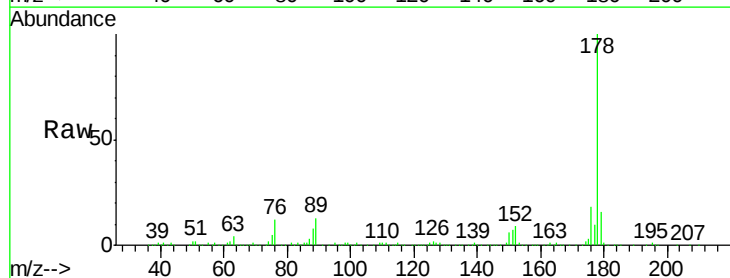
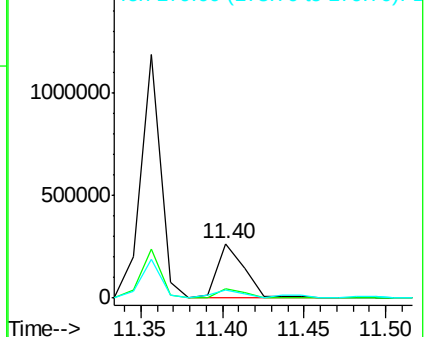
176 18.3 15.9 23.9

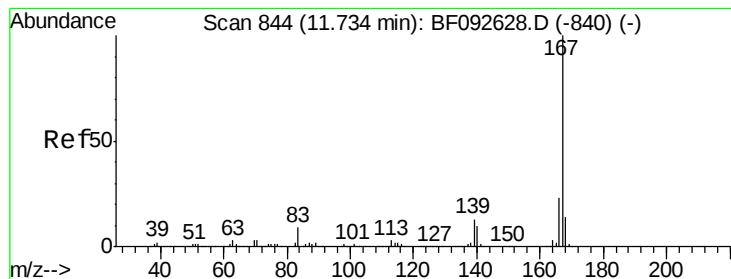
179 15.7 13.2 19.8

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





#72

Carbazole

Concen: 7.05 ng

RT: 11.56 min Scan# 829

Delta R.T. -0.05 min

Lab File: BF093254.D

Acq: 28 Feb 2017 17:51

Instrument :

BNA_F

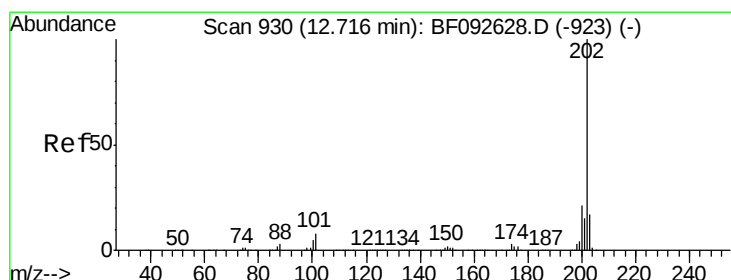
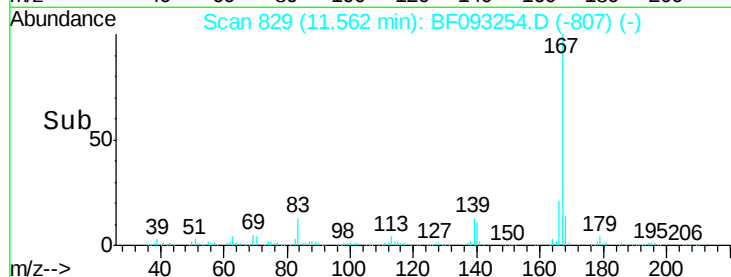
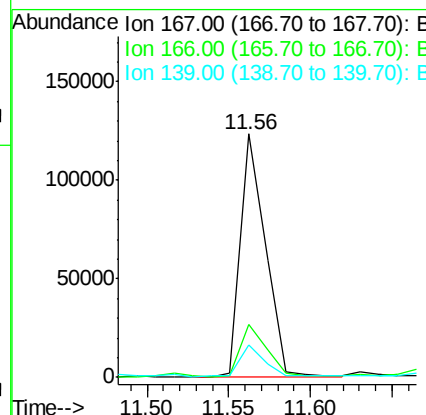
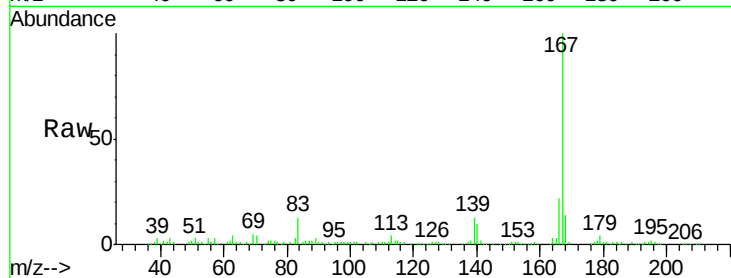
ClientSampleId :

TK3-6-20170227

Tgt Ion:	167	Resp:	129083
Ion Ratio	Lower	Upper	
167	100		
166	21.5	18.2	27.2
139	13.5	11.4	17.2

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#74

Fluoranthene

Concen: 81.74 ng

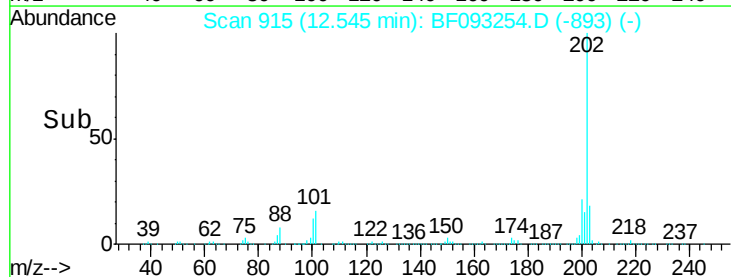
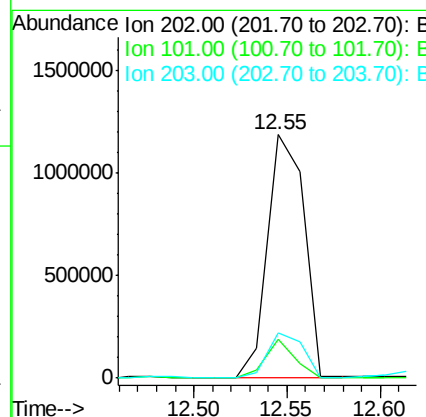
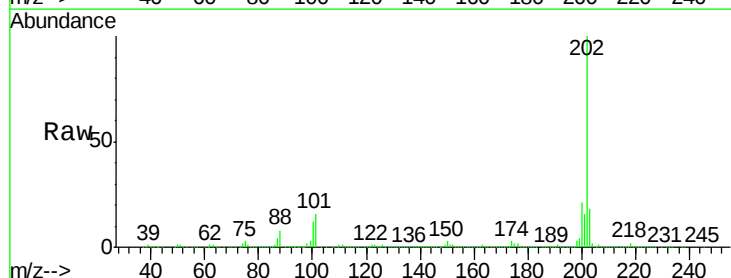
RT: 12.55 min Scan# 915

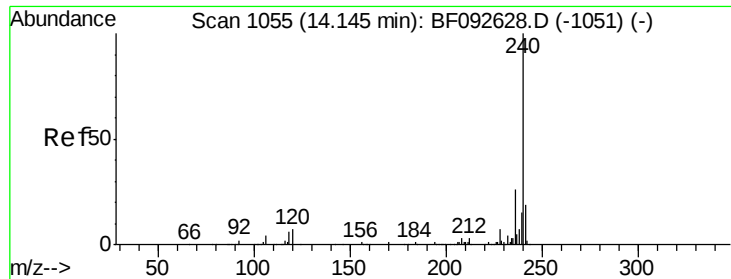
Delta R.T. -0.05 min

Lab File: BF093254.D

Acq: 28 Feb 2017 17:51

Tgt Ion:	202	Resp:	1607669
Ion Ratio	Lower	Upper	
202	100		
101	15.7	0.0	34.6
203	18.4	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093254.D

Acq: 28 Feb 2017 17:51

Instrument :

BNA_F

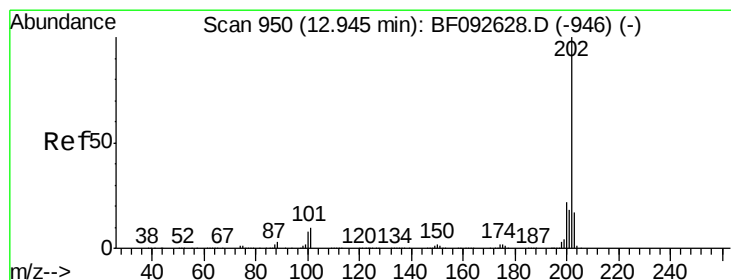
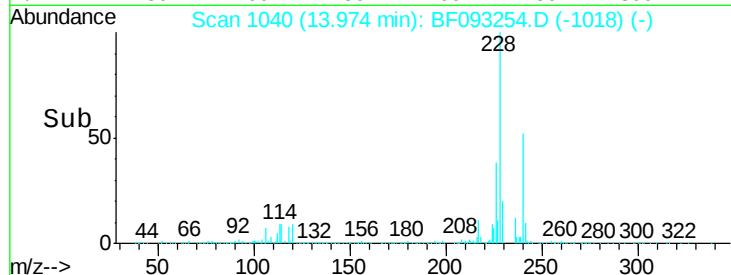
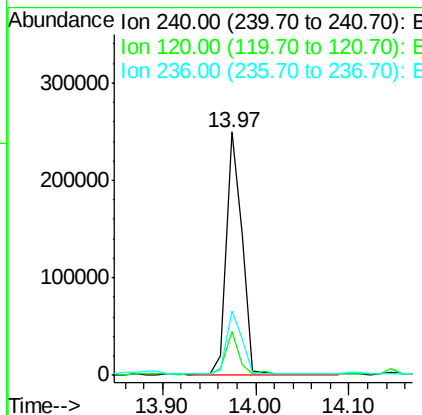
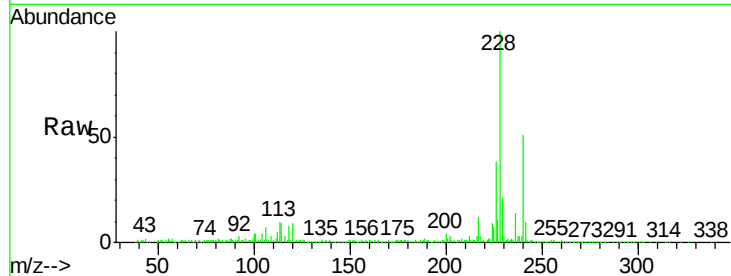
ClientSampleId :

TK3-6-20170227

Tgt Ion:	240	Resp:	290700
Ion Ratio		Lower	Upper
240	100		
120	18.0	12.9	19.3
236	26.5	20.9	31.3

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#77

Pyrene

Concen: 73.76 ng

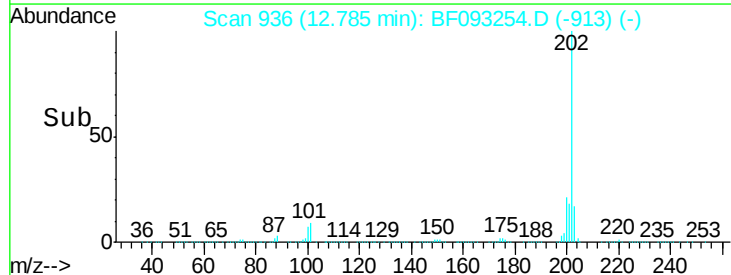
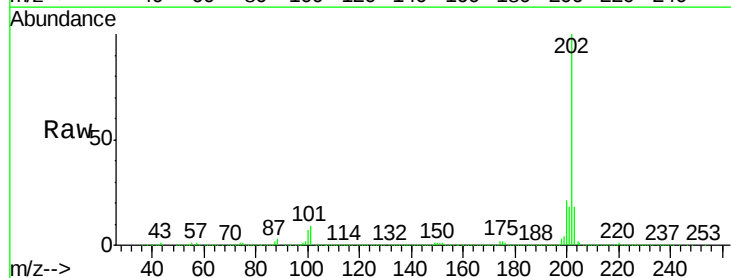
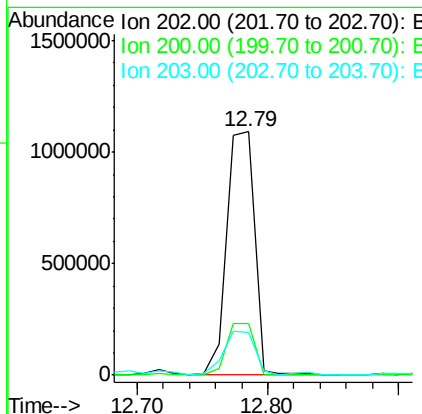
RT: 12.79 min Scan# 936

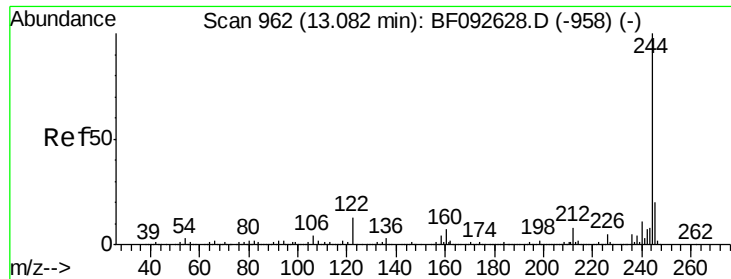
Delta R.T. -0.03 min

Lab File: BF093254.D

Acq: 28 Feb 2017 17:51

Tgt Ion:	202	Resp:	1604570
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.7	26.5
203	17.5	14.7	22.1





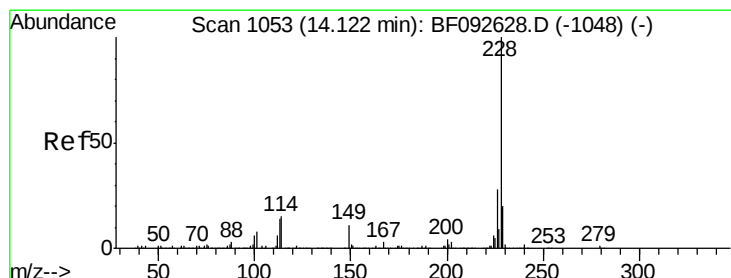
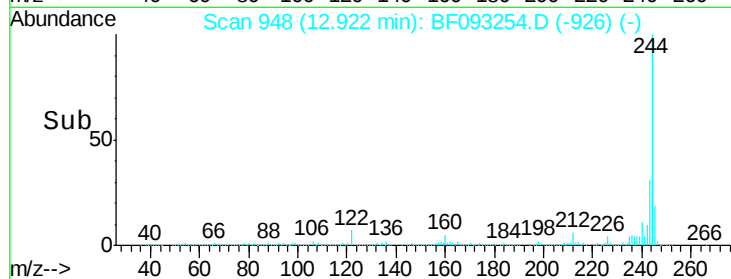
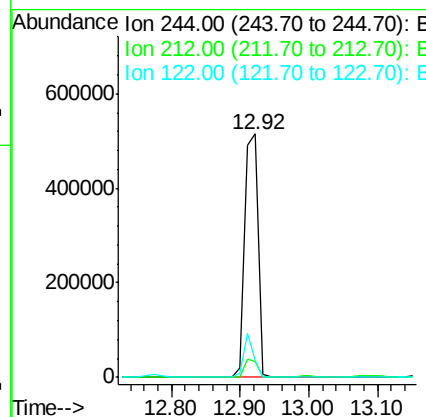
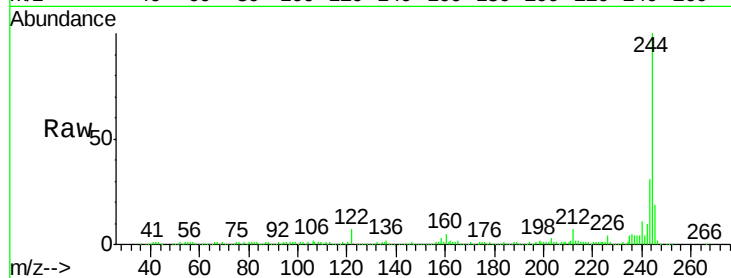
#78
 Terphenyl-d14
 Concen: 57.74 ng
 RT: 12.92 min Scan# 948
 Delta R.T. -0.05 min
 Lab File: BF093254.D
 Acq: 28 Feb 2017 17:51

Instrument :
 BNA_F
 ClientSampleId :
 TK3-6-20170227

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	6.2	9.2
122	7.3	11.4	17.2#

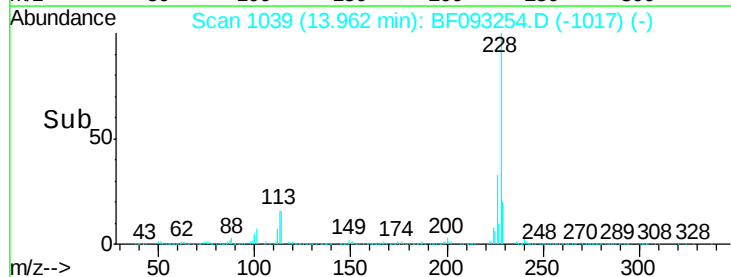
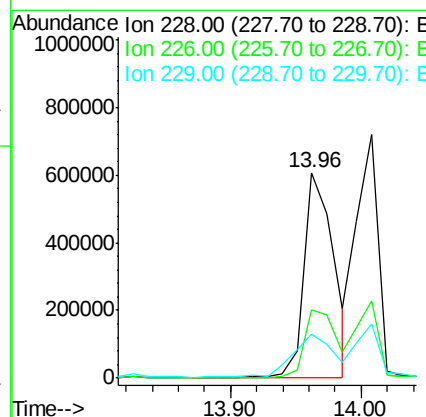
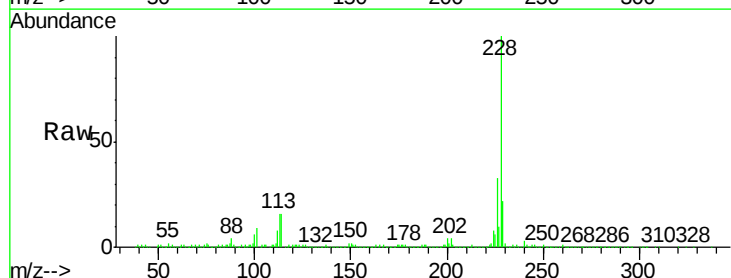
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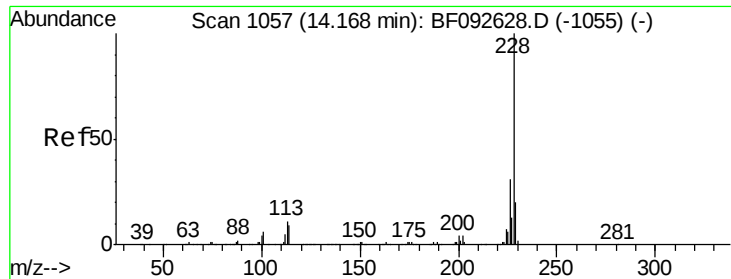
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#80
 Benzo(a)anthracene
 Concen: 53.50 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.05 min
 Lab File: BF093254.D
 Acq: 28 Feb 2017 17:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	33.2	22.4	33.6
229	21.6	16.2	24.4





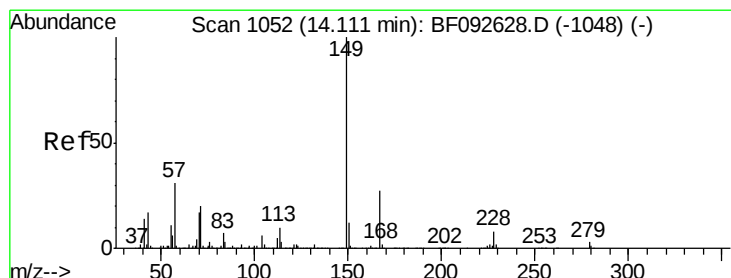
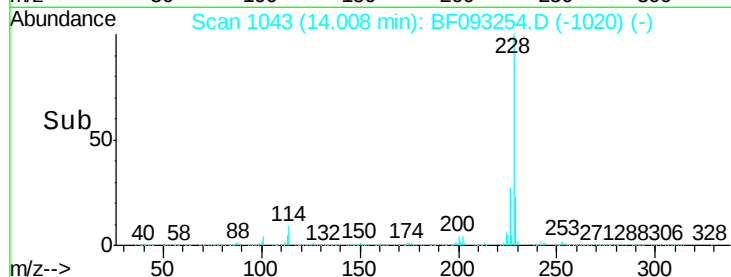
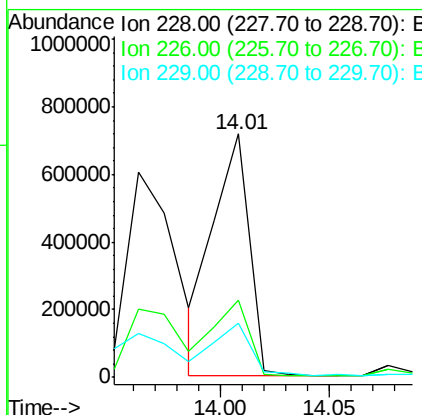
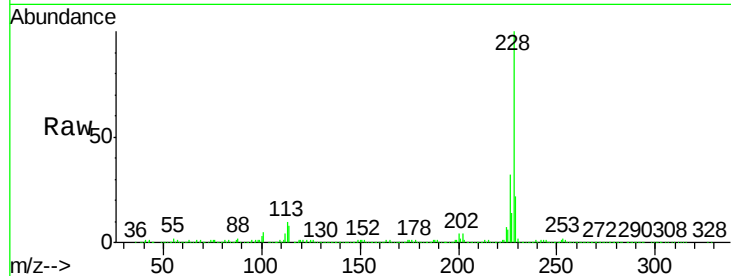
#82
 Chrysene
 Concen: 49.33 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.03 min
 Lab File: BF093254.D
 Acq: 28 Feb 2017 17:51

Instrument :
 BNA_F
 ClientSampleId :
 TK3-6-20170227

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.4	38.0
229	22.4	16.2	24.2

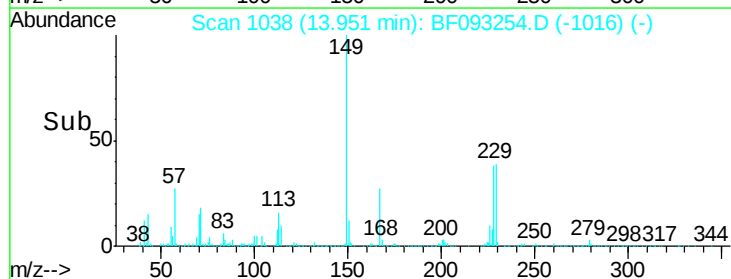
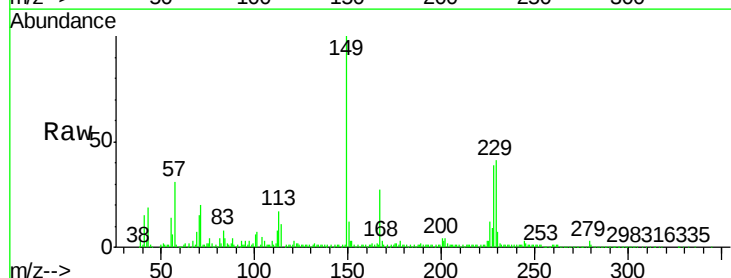
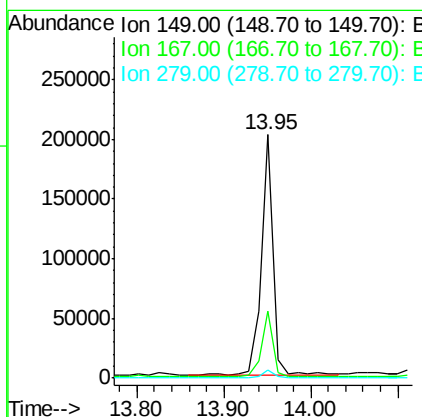
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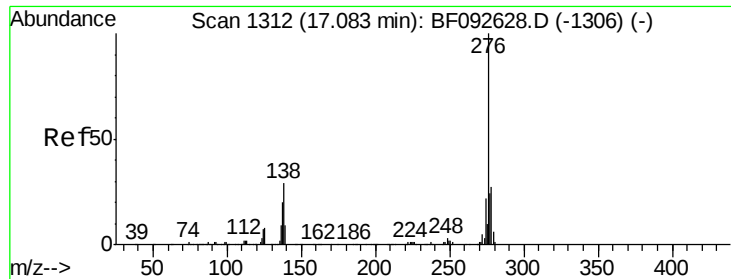
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 15.88 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.05 min
 Lab File: BF093254.D
 Acq: 28 Feb 2017 17:51

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.4	20.2	30.4
279	3.3	1.8	2.8#





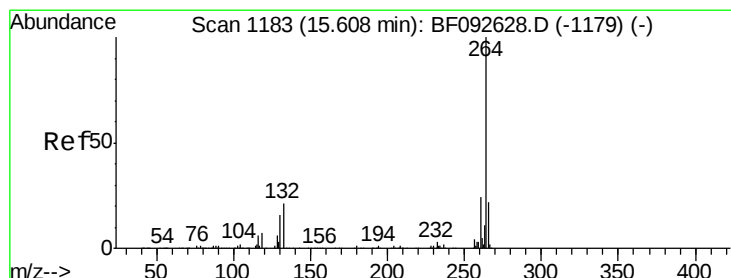
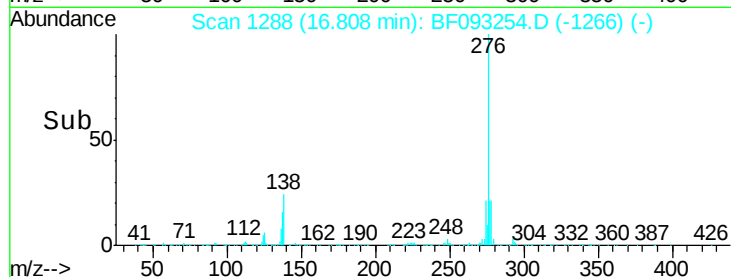
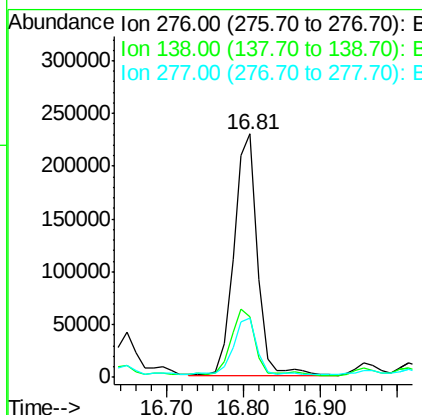
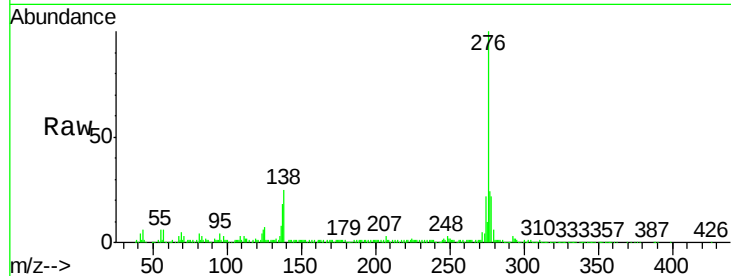
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 37.63 ng
 RT: 16.81 min Scan# 1288
 Delta R.T. -0.05 min
 Lab File: BF093254.D
 Acq: 28 Feb 2017 17:51

Instrument :
 BNA_F
 ClientSampleId :
 TK3-6-20170227

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.8	32.6
277	24.1	20.2	30.4

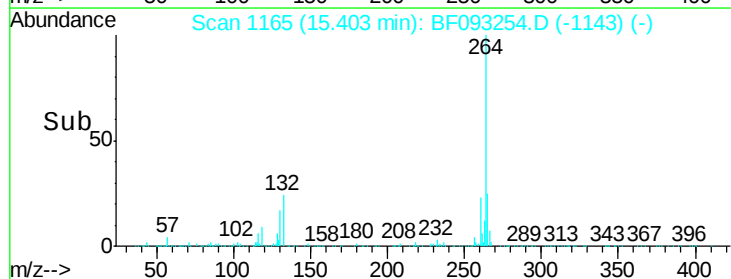
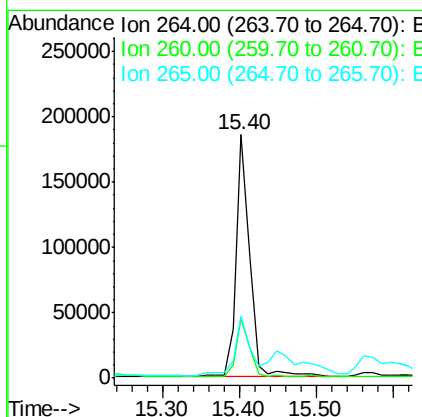
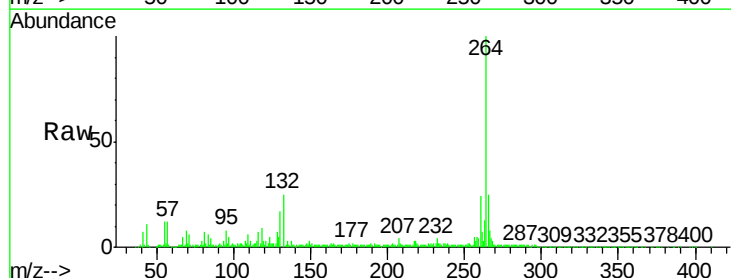
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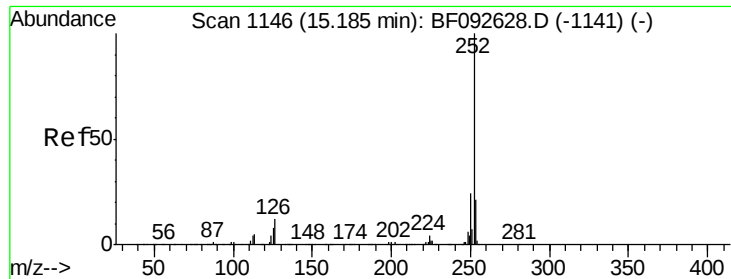
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.05 min
 Lab File: BF093254.D
 Acq: 28 Feb 2017 17:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	25.5	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 66.83 ng m

RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF093254.D

Acq: 28 Feb 2017 17:51

Instrument :

BNA_F

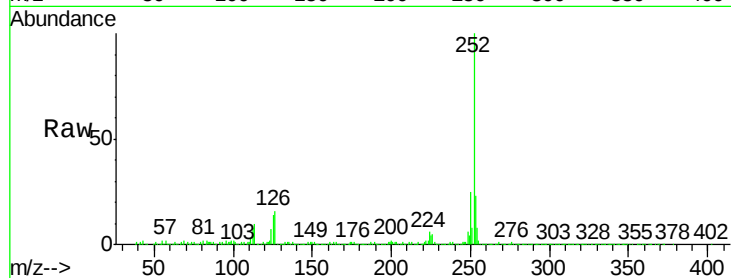
ClientSampleId :

TK3-6-20170227

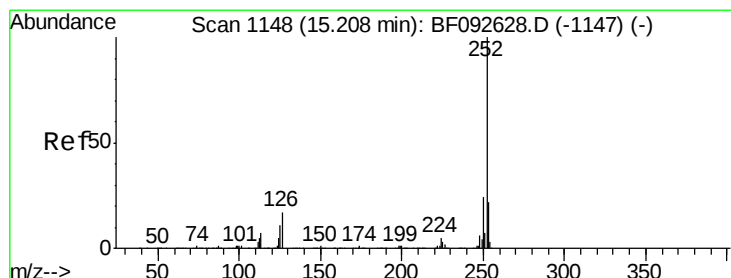
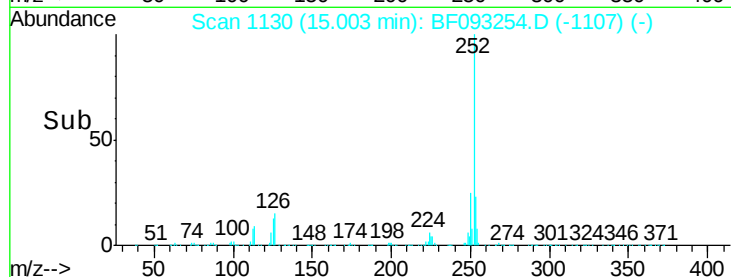
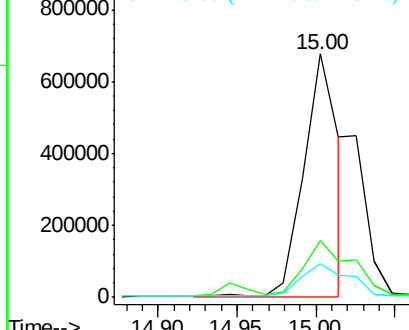
Tgt Ion:	252	Resp:	1037154
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.2	27.4
125	13.6	9.8	14.6

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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



#88

Benzo(k)fluoranthene

Concen: 29.33 ng m

RT: 15.03 min Scan# 1132

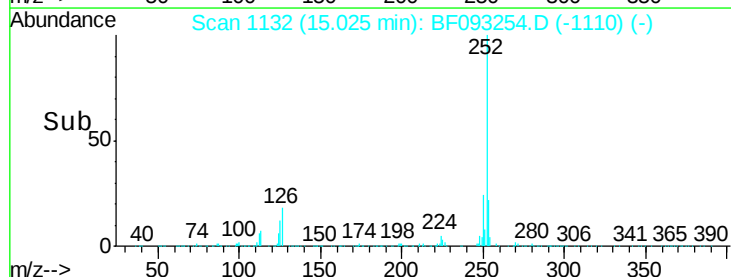
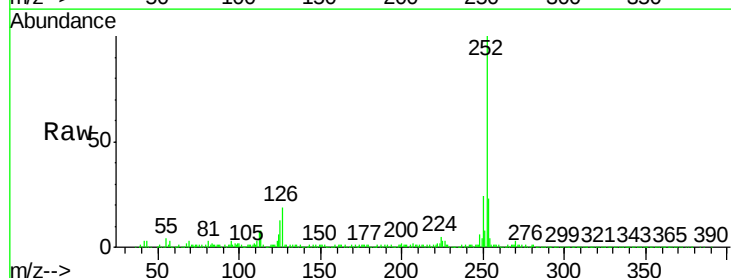
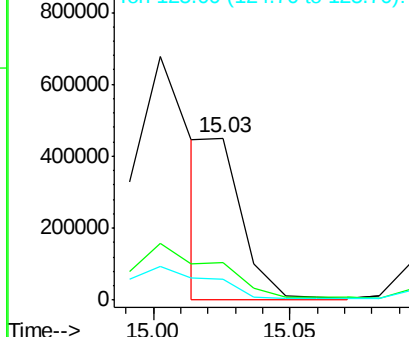
Delta R.T. -0.05 min

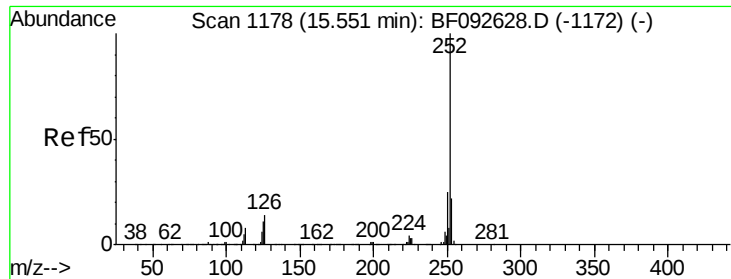
Lab File: BF093254.D

Acq: 28 Feb 2017 17:51

Tgt Ion:	252	Resp:	393065
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.5	27.7
125	13.1	8.9	13.3

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





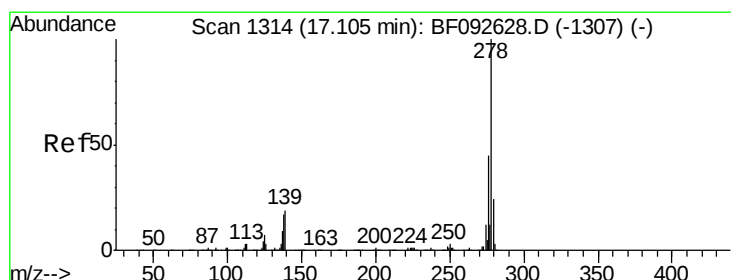
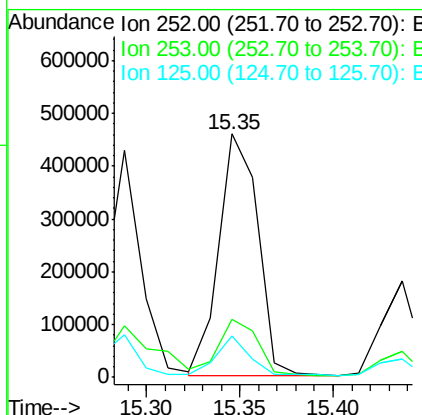
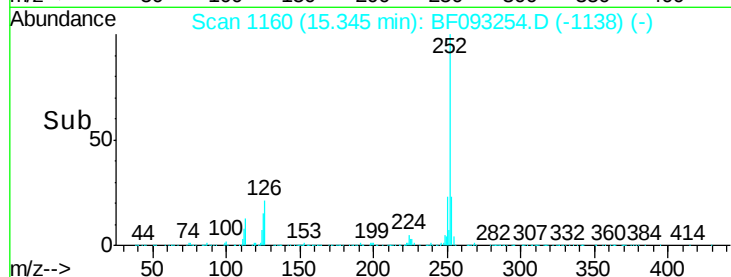
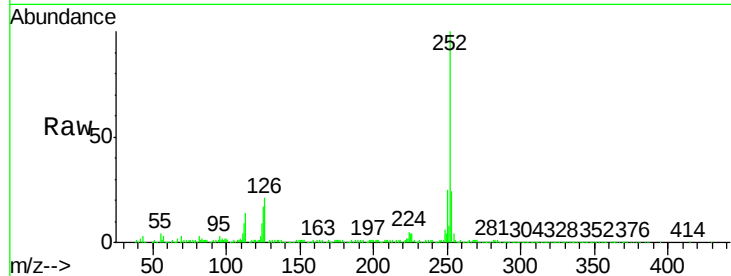
#89
Benzo(a)pyrene
Concen: 49.70 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093254.D
Acq: 28 Feb 2017 17:51

Instrument :
BNA_F
ClientSampleId :
TK3-6-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	667212		
253	23.9	18.2	27.2	
125	16.9	10.0	15.0	

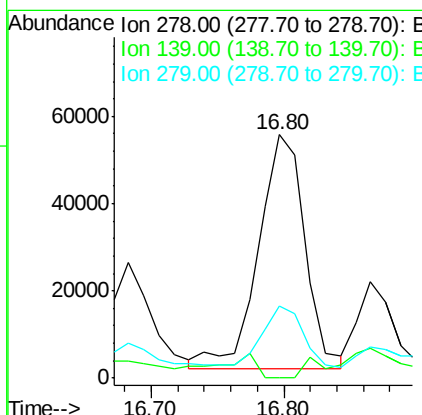
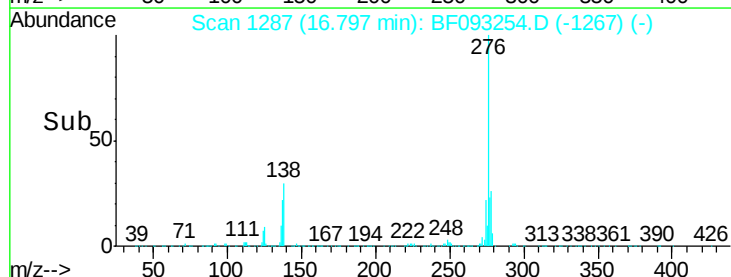
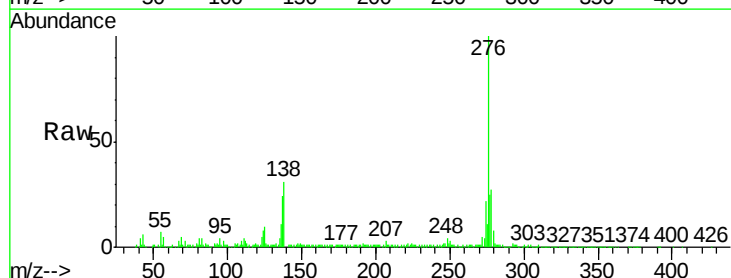
Manual Integrations
APPROVED

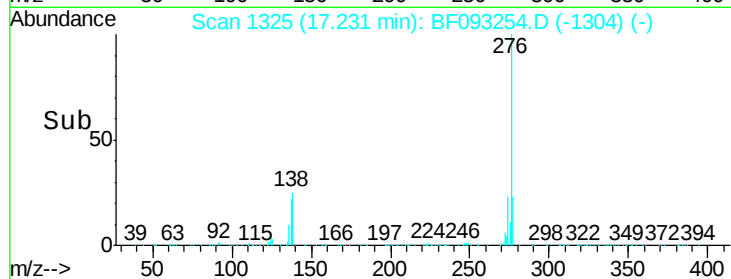
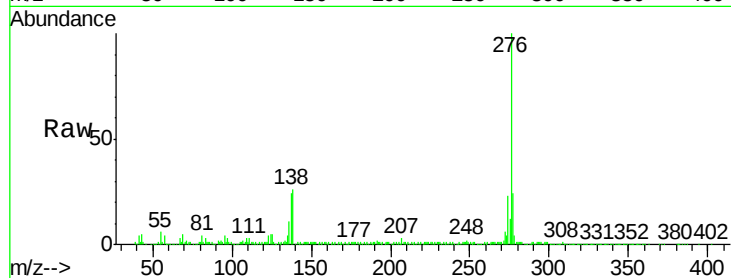
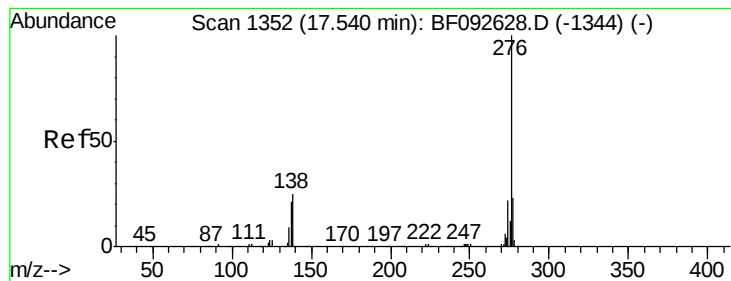
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#90
Dibenzo(a,h)anthracene
Concen: 12.19 ng m
RT: 16.80 min Scan# 1287
Delta R.T. -0.07 min
Lab File: BF093254.D
Acq: 28 Feb 2017 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	132274		
139	0.0	14.8	22.2	
279	29.6	19.8	29.6	





#91

Benzo(g,h,i)perylene

Concen: 42.30 ng

RT: 17.23 min Scan# 1325

Delta R.T. -0.06 min

Lab File: BF093254.D

Acq: 28 Feb 2017 17:51

Instrument :

BNA_F

ClientSampleId :

TK3-6-20170227

Tgt Ion:	276	Resp:	463644
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.2	28.8
138	26.3	16.0	24.0#

Manual Integrations
APPROVED

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