

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093261.D
 Acq On : 28 Feb 2017 21:07
 Operator : SJ/MA
 Sample : I2017-14
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK3-11-20170227

Manual Integrations
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 3/1/2017 4:06:37 PM

Quant Time: Mar 01 02:56:31 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	142047	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	498363	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	206833	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	330831	20.00	ng	-0.05
75) Chrysene-d12	13.99	240	288127	20.00	ng	-0.03
86) Perylene-d12	15.41	264	214675	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	840579	101.52	ng	-0.03
7) Phenol-d6	6.46	99	1058296	99.34	ng	-0.02
23) Nitrobenzene-d5	7.38	82	653773	73.05	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	147627	98.68	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	957154	83.84	ng	-0.05
78) Terphenyl-d14	12.92	244	679171	55.39	ng	-0.05

Target Compounds				Qvalue		
10) Phenol	6.48	94	96596	7.75	ng	# 70
31) Naphthalene	8.12	128	108426	4.29	ng	97
48) Acenaphthylene	9.71	152	285549	14.11	ng	97
49) Dimethylphthalate	9.56	163	70098	5.03	ng	# 96
51) Acenaphthene	9.88	154	47448	3.92	ng	94
54) Dibenzofuran	10.05	168	70960	4.38	ng	92
57) Fluorene	10.40	166	85495m	6.87	ng	
70) Phenanthrene	11.36	178	1316367	69.45	ng	98
71) Anthracene	11.41	178	354229	18.61	ng	96
72) Carbazole	11.57	167	180867	9.94	ng	97
74) Fluoranthene	12.56	202	1643907	84.08	ng	99
77) Pyrene	12.79	202	1654252	76.72	ng	99
80) Benzo(a)anthracene	13.97	228	893859	50.72	ng	95
82) Chrysene	14.01	228	877394m	53.18	ng	
83) Bis(2-ethylhexyl)phthalate	13.95	149	26422	2.21	ng	# 93
85) Indeno(1,2,3-cd)pyrene	16.81	276	322081	25.20	ng	97
87) Benzo(b)fluoranthene	15.00	252	738785m	52.29	ng	
88) Benzo(k)fluoranthene	15.01	252	349239m	28.63	ng	
89) Benzo(a)pyrene	15.36	252	538849	44.09	ng	99
90) Dibenz(a,h)anthracene	16.81	278	92749	9.39	ng	# 86
91) Benzo(g,h,i)perylene	17.23	276	311131	31.18	ng	# 90

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

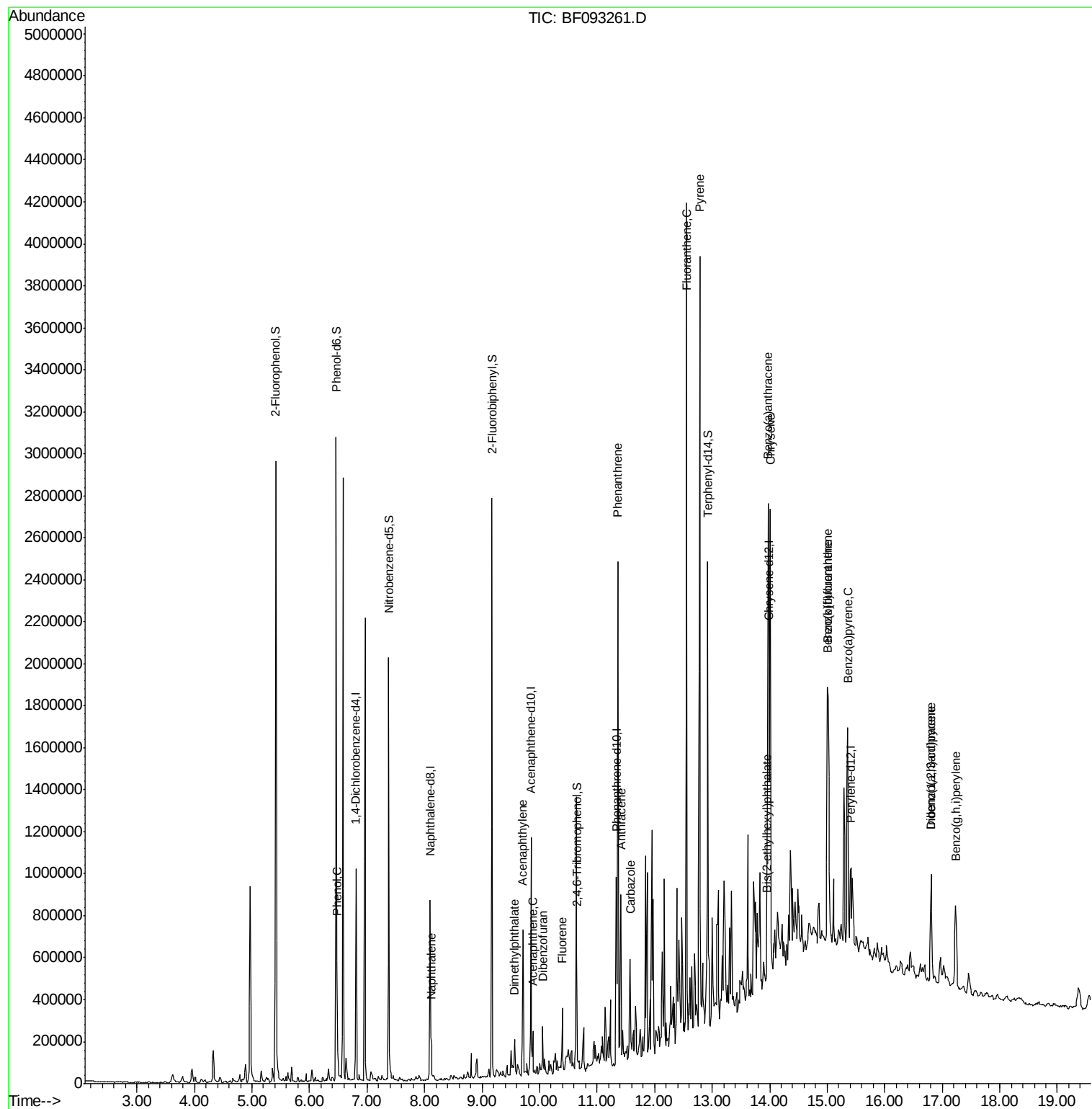
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093261.D
Acq On : 28 Feb 2017 21:07
Operator : SJ/MA
Sample : I2017-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

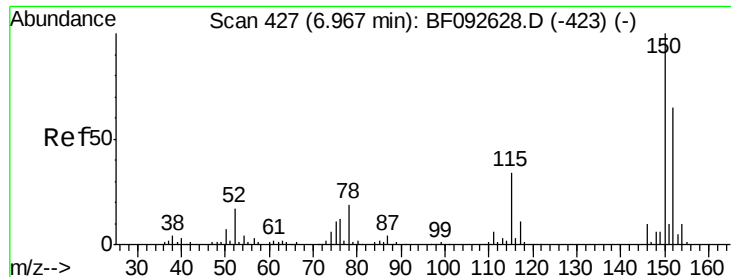
Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227

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Quant Time: Mar 01 02:56:31 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

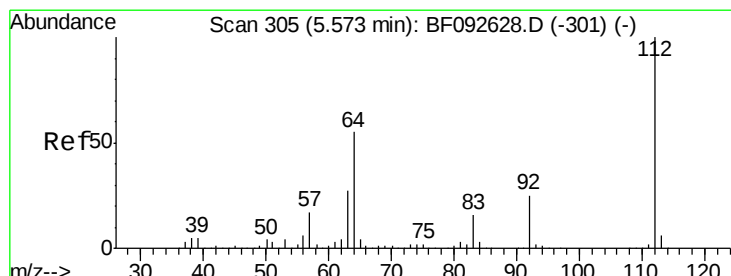
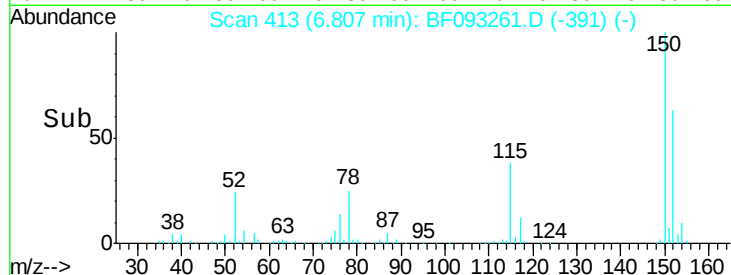
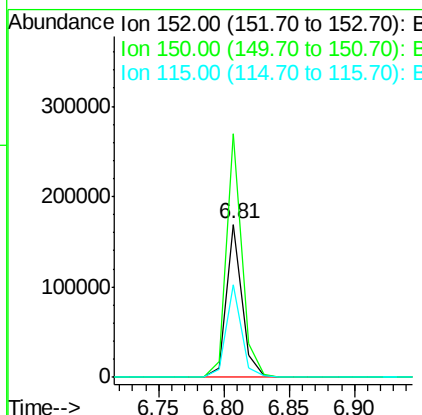
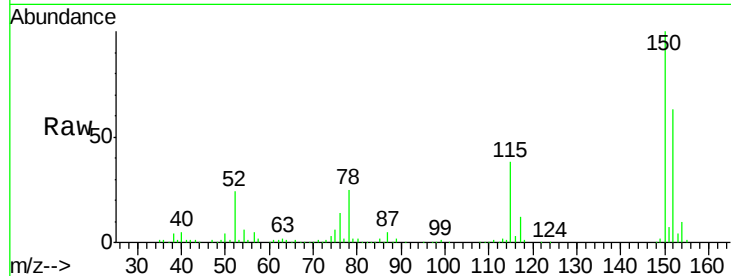
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	142047		
150	158.9	124.9	187.3	
115	60.0	46.0	69.0	

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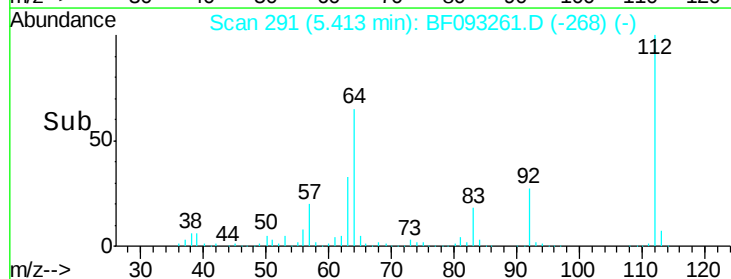
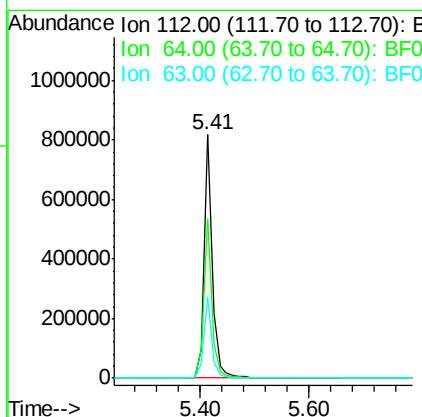
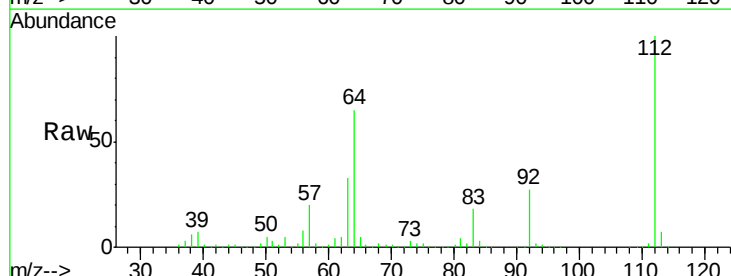
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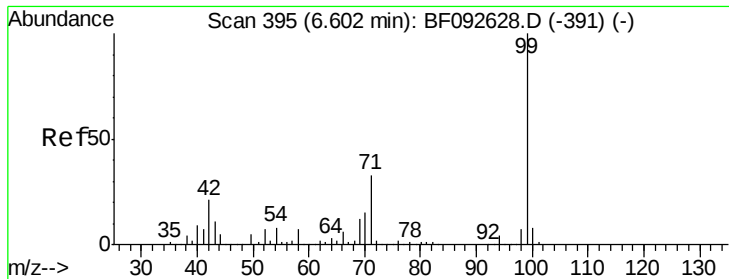


#5

2-Fluorophenol
Concen: 101.52 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	840579		
64	65.4	46.1	69.1	
63	33.1	23.8	35.6	





#7

Phenol-d6

Concen: 99.34 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093261.D

Acq: 28 Feb 2017 21:07

Instrument :

BNA_F

ClientSampleId :

TK3-11-20170227

Tgt Ion: 99 Resp: 1058296

Ion Ratio Lower Upper

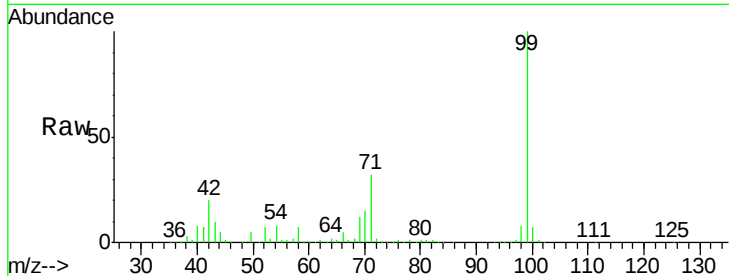
99 100

42 19.8 15.6 23.4

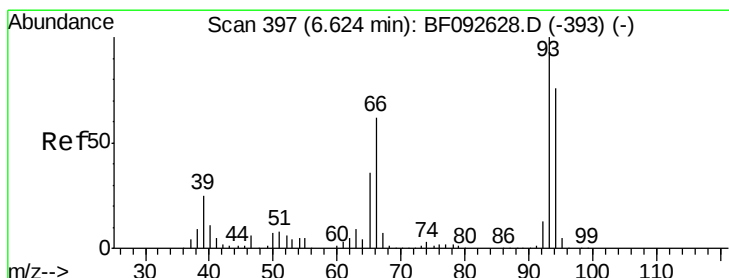
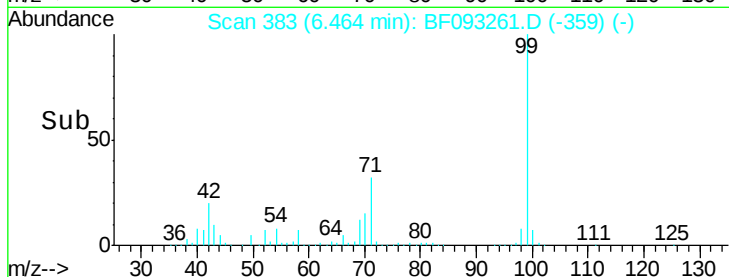
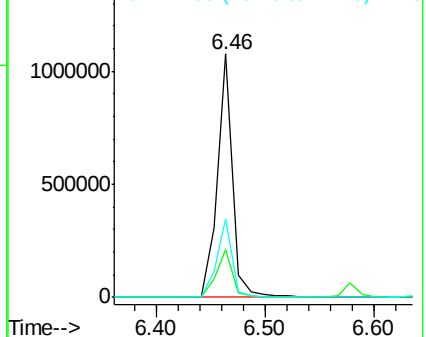
71 32.3 27.5 41.3

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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: 7.75 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF093261.D

Acq: 28 Feb 2017 21:07

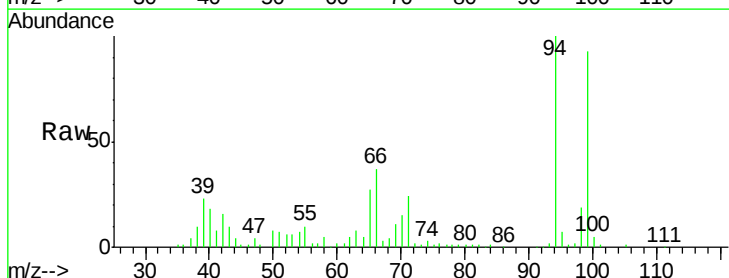
Tgt Ion: 94 Resp: 96596

Ion Ratio Lower Upper

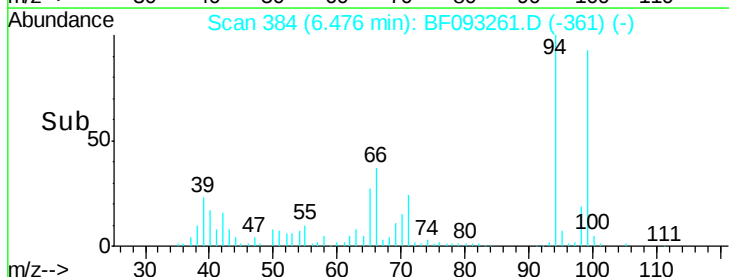
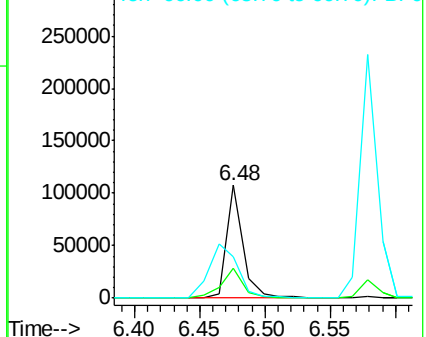
94 100

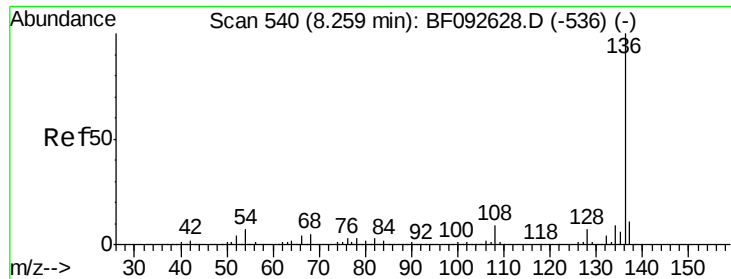
65 26.7 21.4 61.4

66 36.8 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





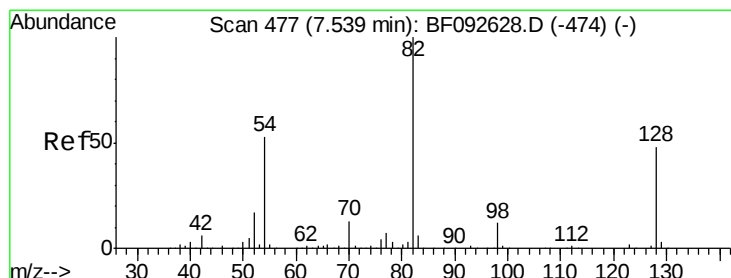
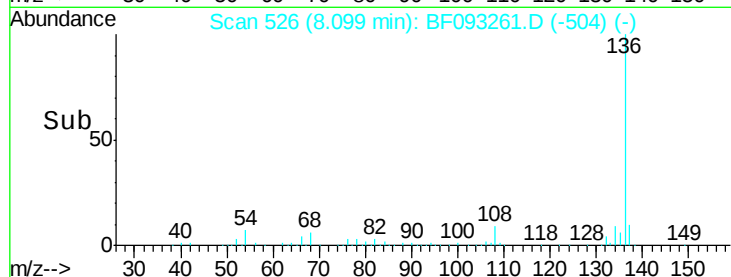
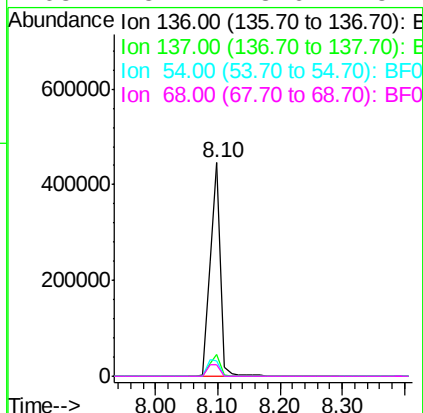
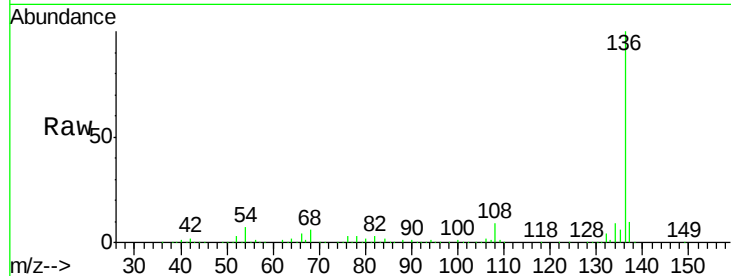
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	498363		
137	10.2	8.4	12.6	
54	7.5	4.5	6.7#	
68	5.7	3.6	5.4#	

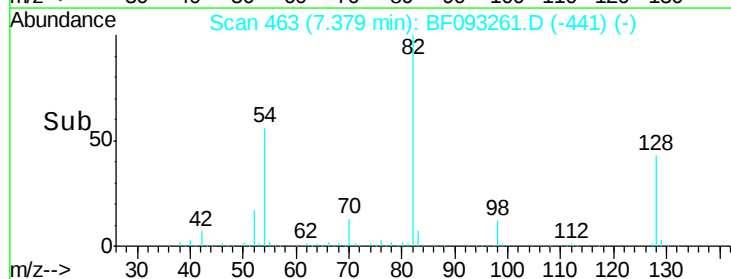
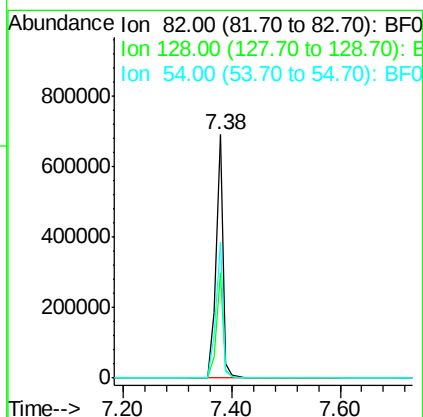
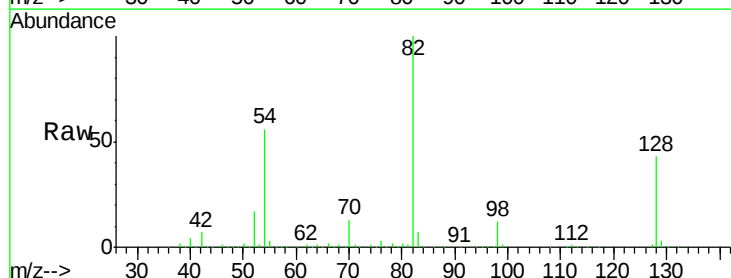
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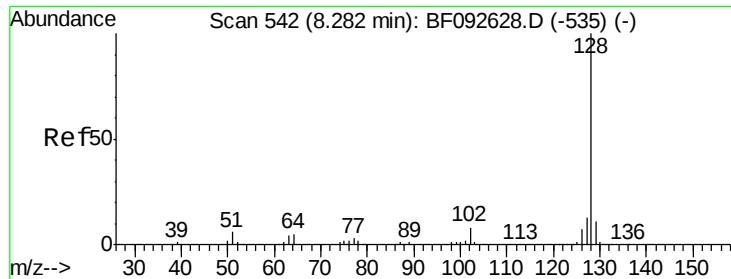
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#23
Nitrobenzene-d5
Concen: 73.05 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	653773		
128	43.2	34.6	52.0	
54	55.7	39.5	59.3	





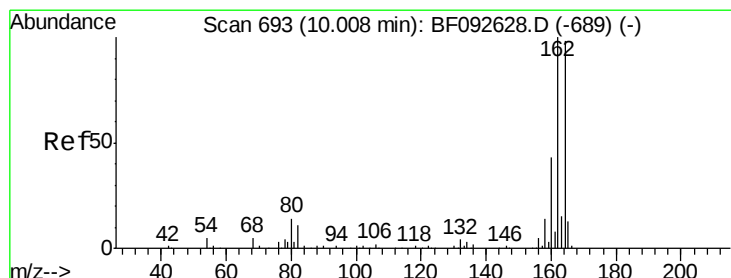
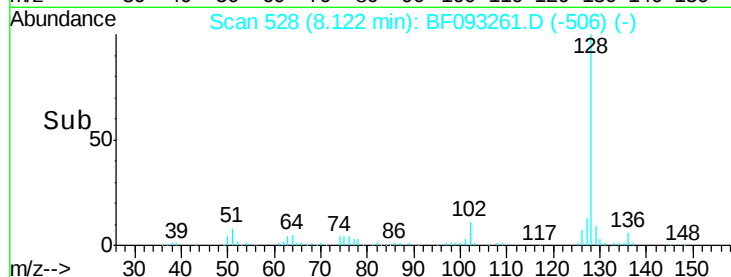
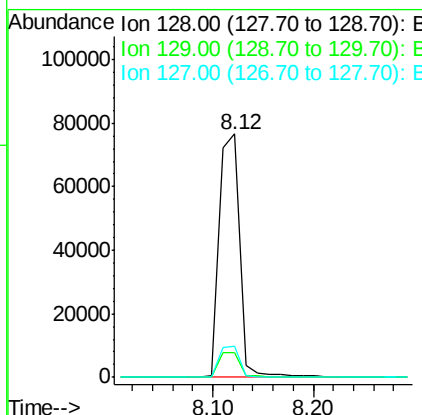
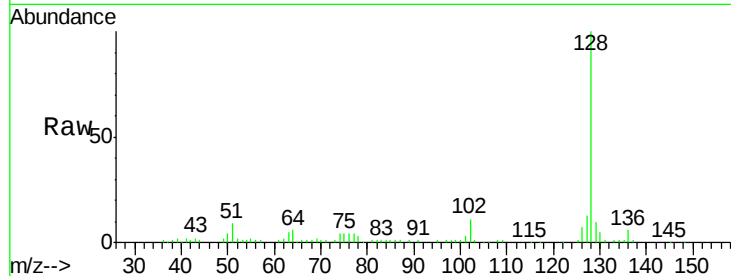
#31
Naphthalene
Concen: 4.29 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	9.5	14.3
127	12.8	10.8	16.2

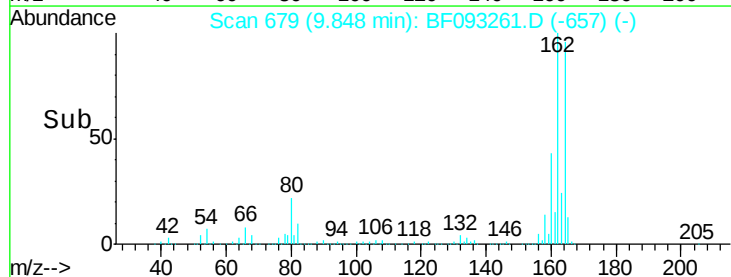
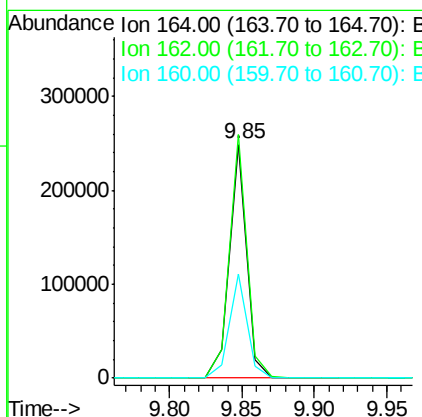
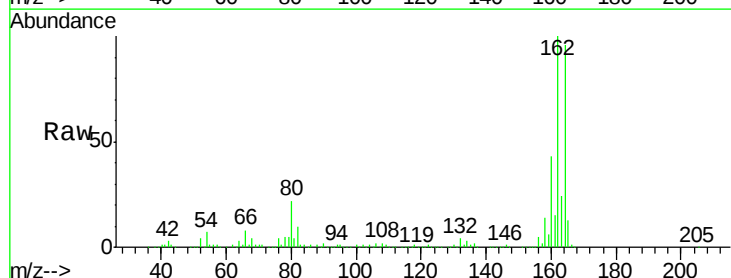
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	80.2	120.2
160	44.5	36.9	55.3





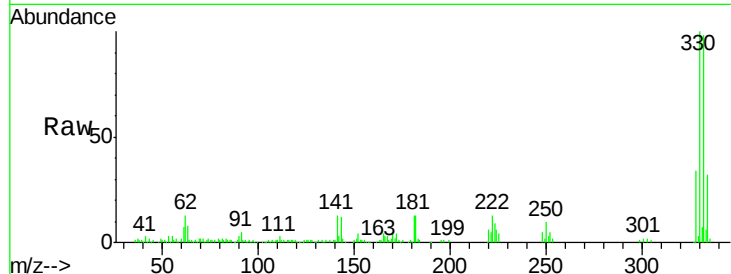
#41
 2,4,6-Tribromophenol
 Concen: 98.68 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093261.D
 Acq: 28 Feb 2017 21:07

Instrument :
 BNA_F
 ClientSampleId :
 TK3-11-20170227

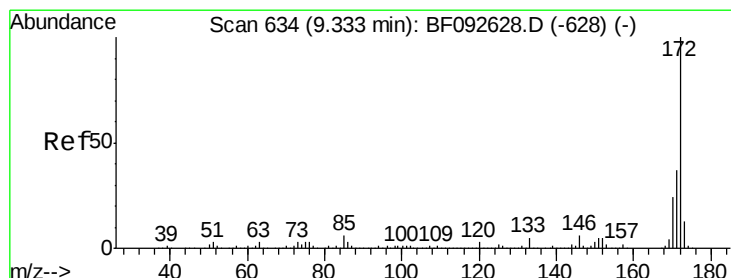
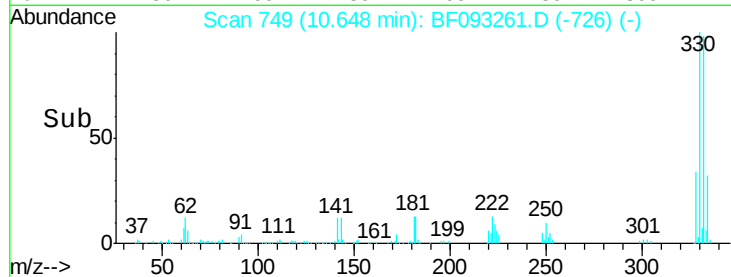
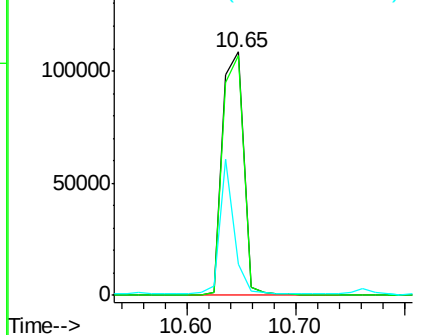
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	147627		
332	97.2	77.4	116.2	
141	38.6	34.1	51.1	

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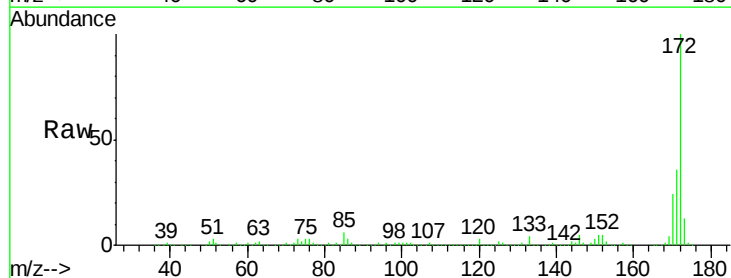


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

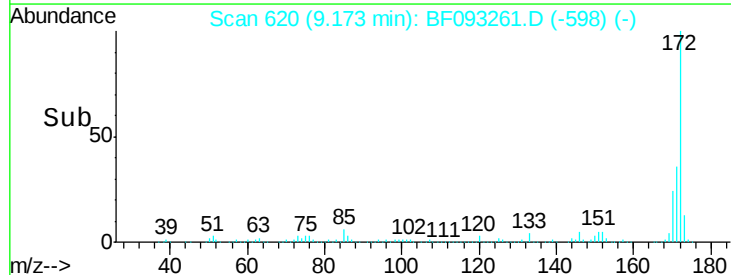
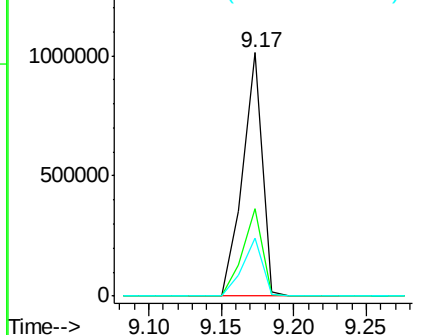


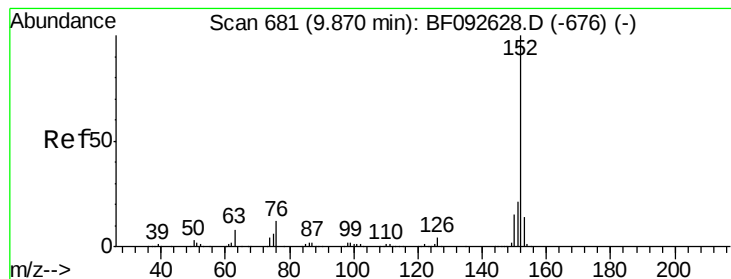
#44
 2-Fluorobiphenyl
 Concen: 83.84 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093261.D
 Acq: 28 Feb 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	957154		
171	35.9	29.4	44.0	
170	24.0	20.2	30.4	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 14.11 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.05 min

Lab File: BF093261.D

Acq: 28 Feb 2017 21:07

Instrument :

BNA_F

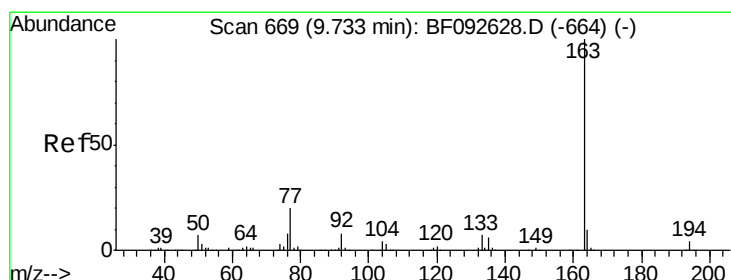
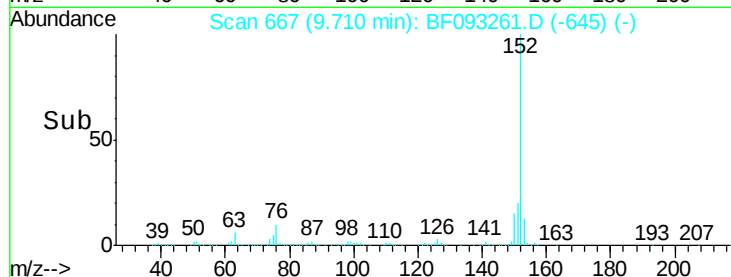
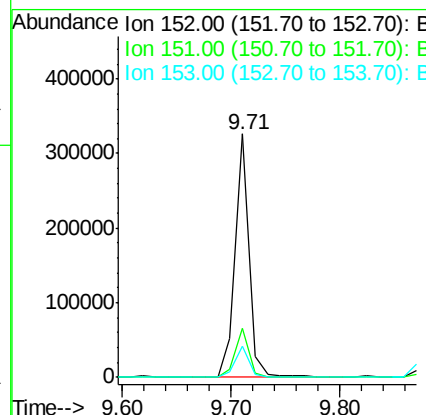
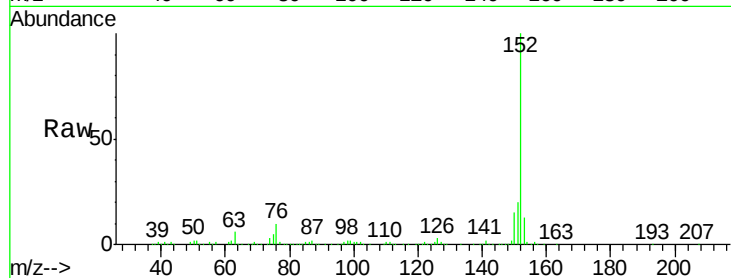
ClientSampleId :

TK3-11-20170227

Tgt Ion:	152	Resp:	285549
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.9	25.3
153	12.9	11.4	17.2

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#49

Dimethylphthalate

Concen: 5.03 ng

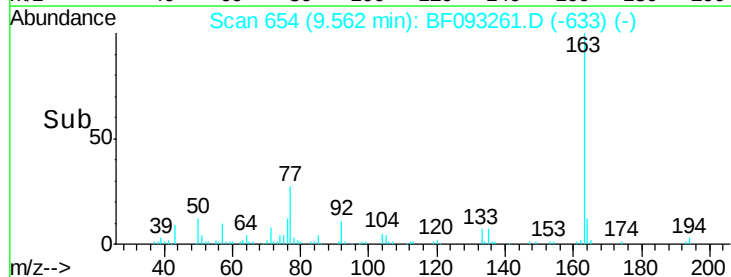
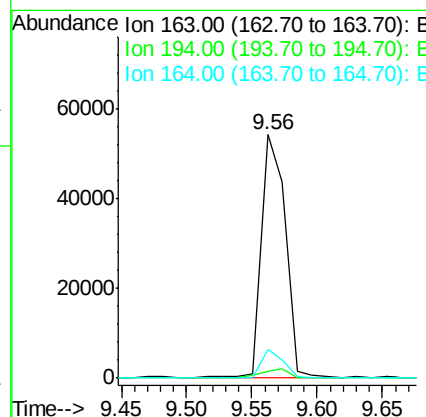
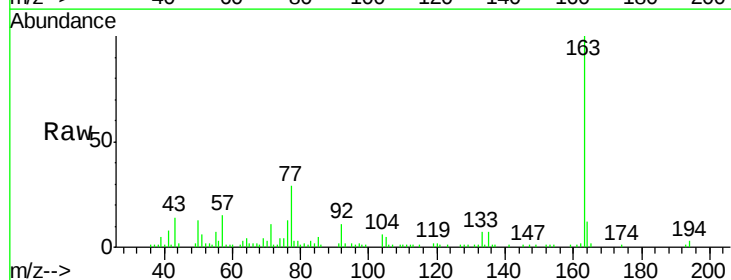
RT: 9.56 min Scan# 654

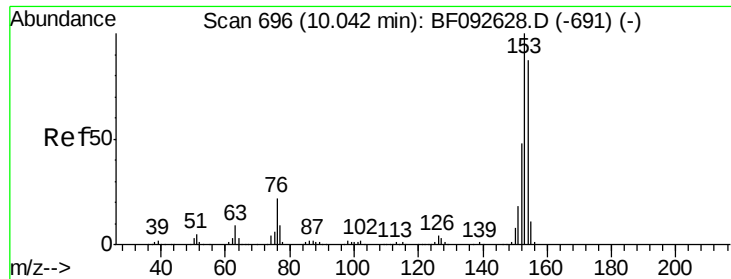
Delta R.T. -0.06 min

Lab File: BF093261.D

Acq: 28 Feb 2017 21:07

Tgt Ion:	163	Resp:	70098
Ion Ratio	Lower	Upper	
163	100		
194	2.9	3.0	4.4#
164	11.6	8.0	12.0





#51

Acenaphthene

Concen: 3.92 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF093261.D

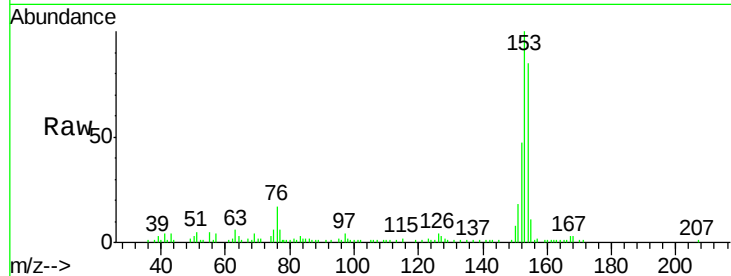
Acq: 28 Feb 2017 21:07

Instrument :

BNA_F

ClientSampleId :

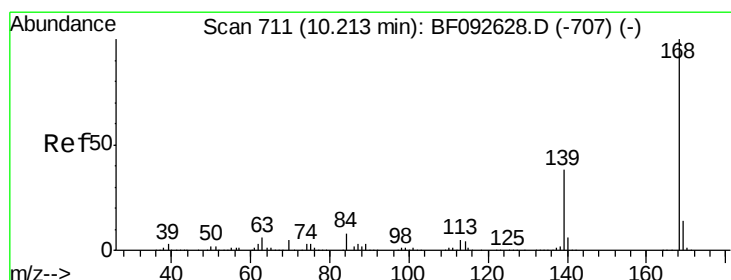
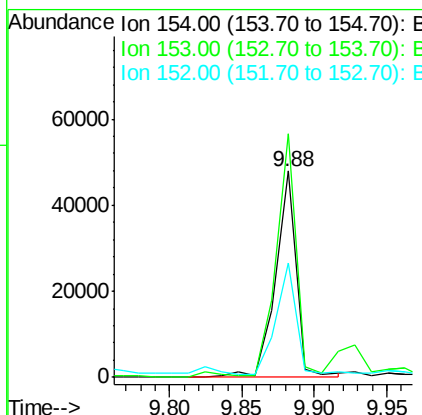
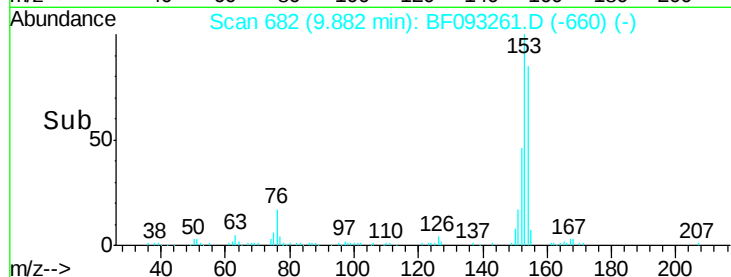
TK3-11-20170227



Tgt Ion:	154	Resp:	47448
Ion	Ratio	Lower	Upper
154	100		
153	118.3	88.6	133.0
152	55.6	41.6	62.4

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#54

Dibenzofuran

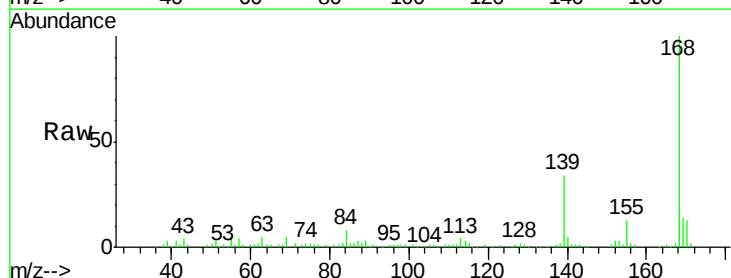
Concen: 4.38 ng

RT: 10.05 min Scan# 697

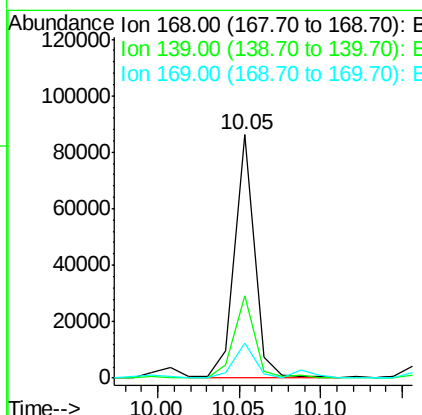
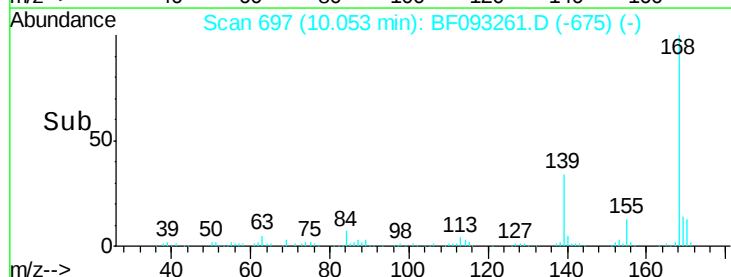
Delta R.T. -0.05 min

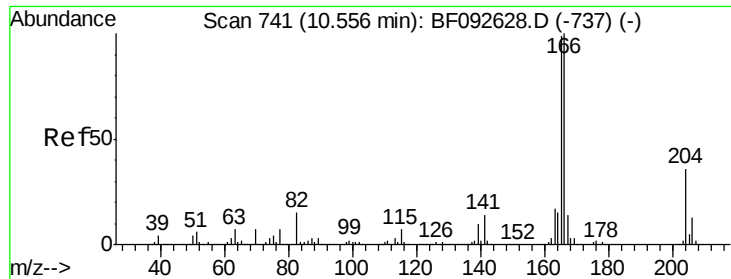
Lab File: BF093261.D

Acq: 28 Feb 2017 21:07



Tgt Ion:	168	Resp:	70960
Ion	Ratio	Lower	Upper
168	100		
139	34.1	32.6	49.0
169	14.4	11.3	16.9





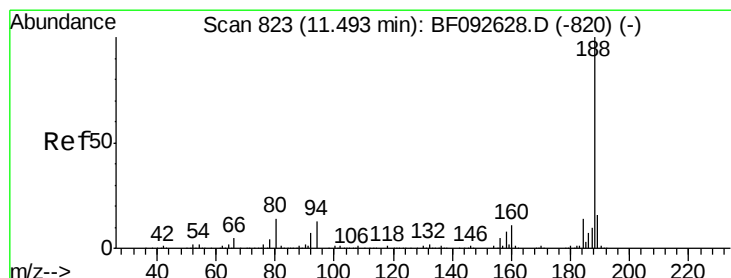
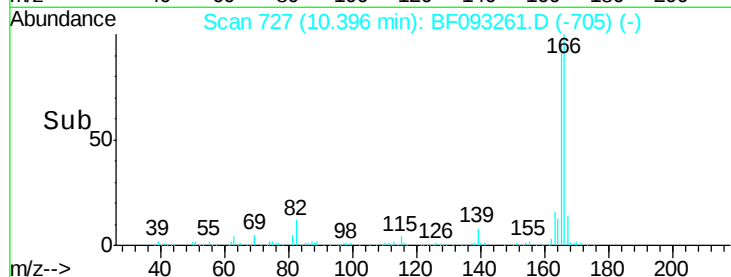
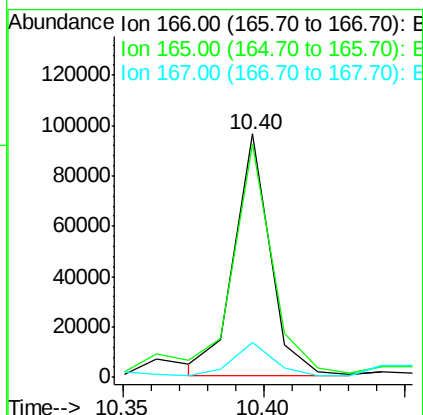
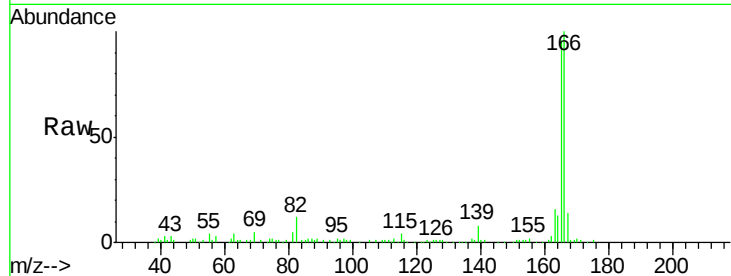
#57
Fluorene
Concen: 6.87 ng m
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	85495		
165	96.1	77.8	116.8	
167	14.5	10.8	16.2	

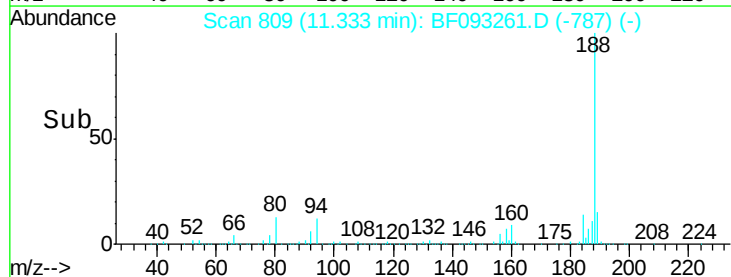
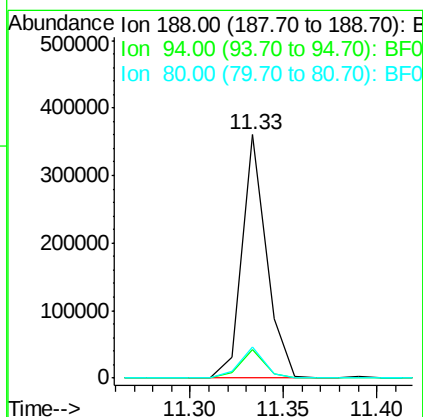
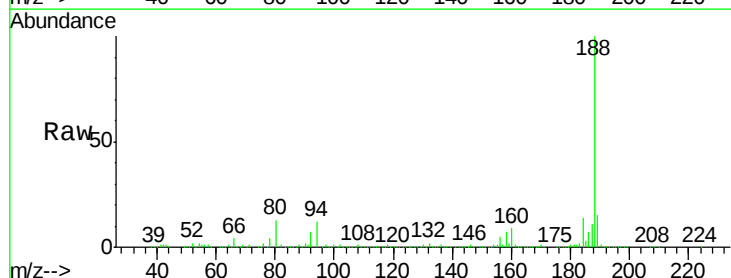
Manual Integrations
APPROVED

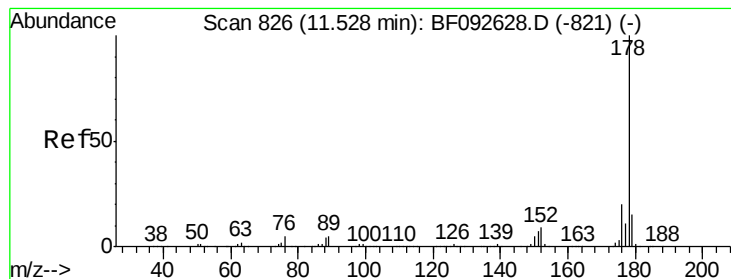
mohammad
3/1/2017 4:06:37 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	330831		
94	12.0	10.0	15.0	
80	12.7	11.2	16.8	





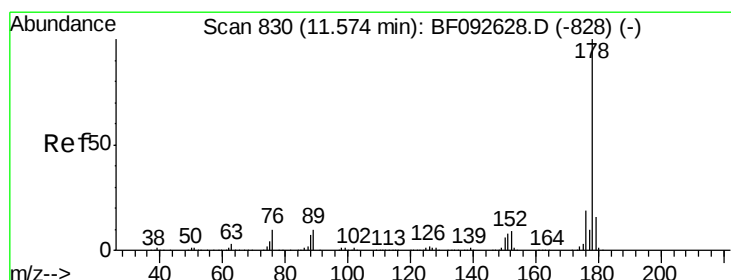
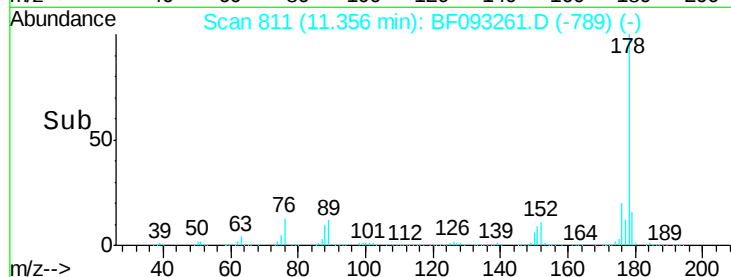
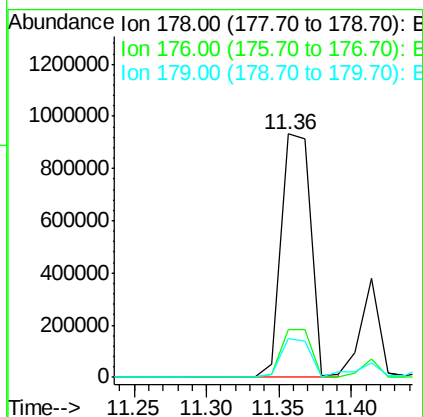
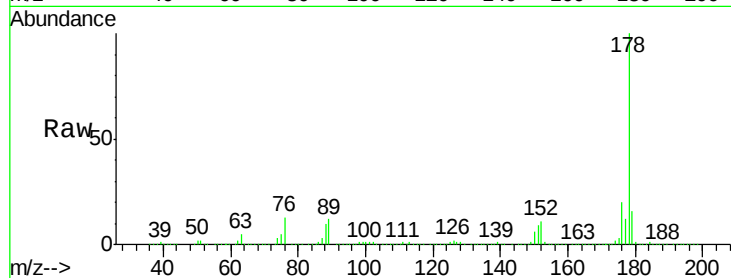
#70
Phenanthrene
Concen: 69.45 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227

Tgt Ion:178 Resp: 1316367
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 16.1 12.8 19.2

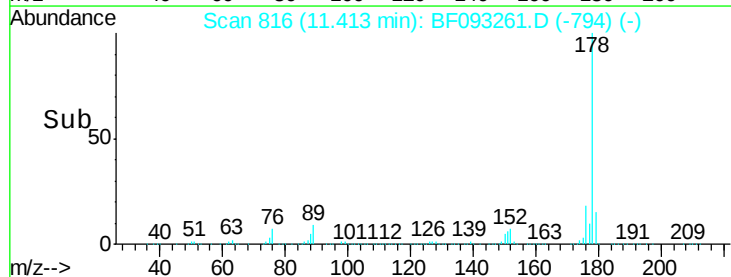
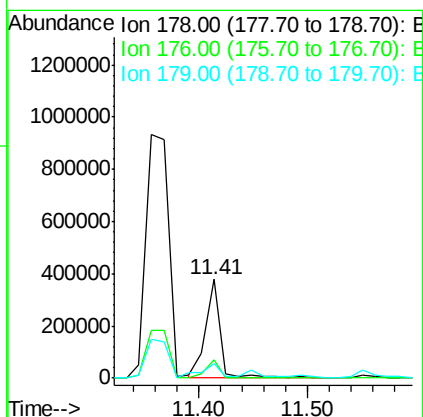
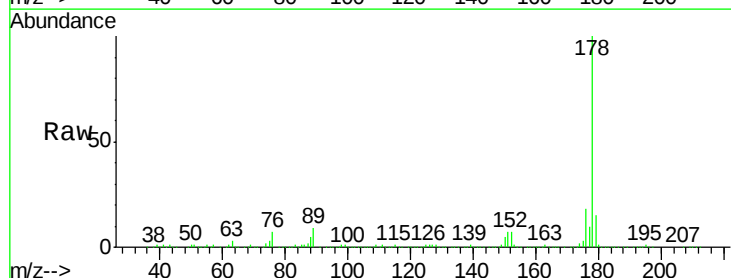
Manual Integrations
APPROVED

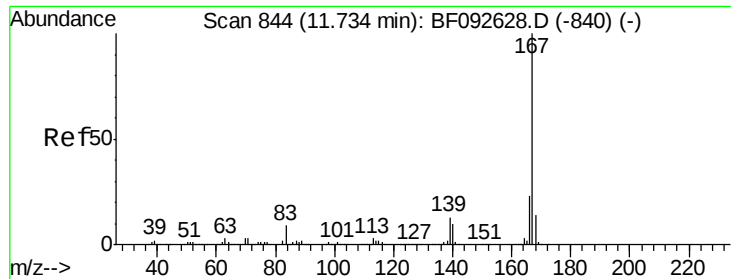
mohammad
3/1/2017 4:06:37 PM



#71
Anthracene
Concen: 18.61 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Tgt Ion:178 Resp: 354229
Ion Ratio Lower Upper
178 100
176 18.1 15.9 23.9
179 15.2 13.2 19.8





#72

Carbazole

Concen: 9.94 ng

RT: 11.57 min Scan# 830

Delta R.T. -0.03 min

Lab File: BF093261.D

Acq: 28 Feb 2017 21:07

Instrument :

BNA_F

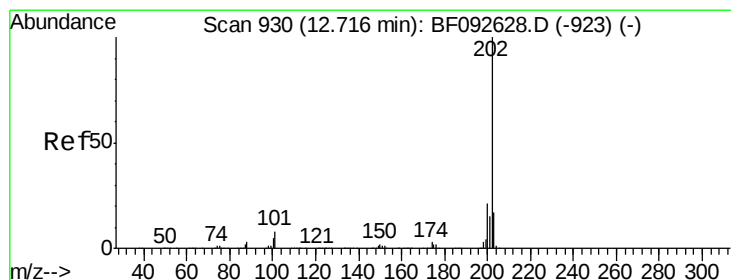
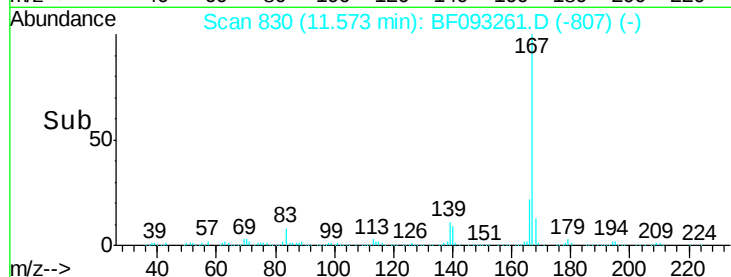
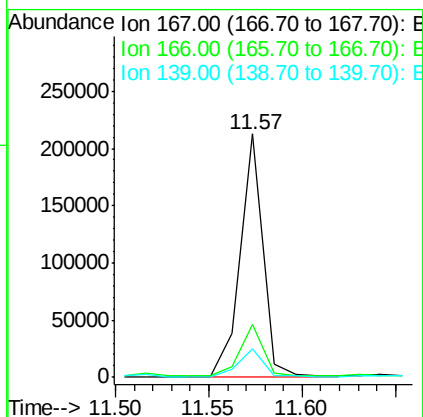
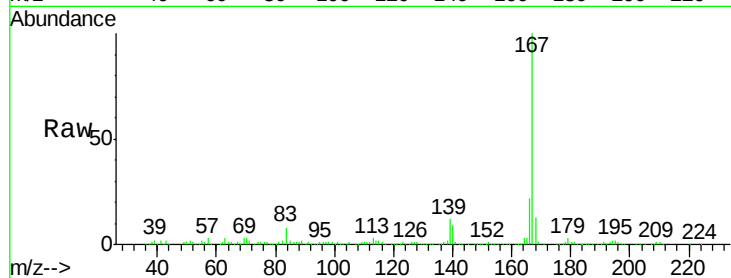
ClientSampleId :

TK3-11-20170227

Tgt Ion:	167	Resp:	180867
Ion Ratio	Lower	Upper	
167	100		
166	21.9	18.2	27.2
139	11.8	11.4	17.2

Manual Integrations
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mohammad
3/1/2017 4:06:37 PM



#74

Fluoranthene

Concen: 84.08 ng

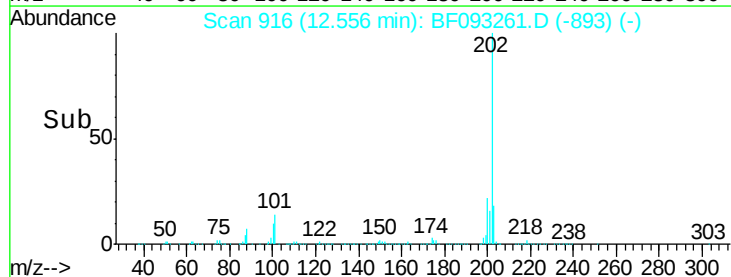
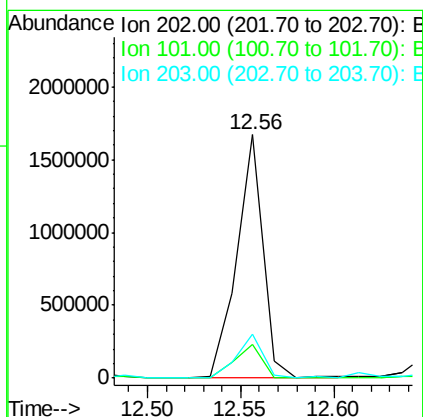
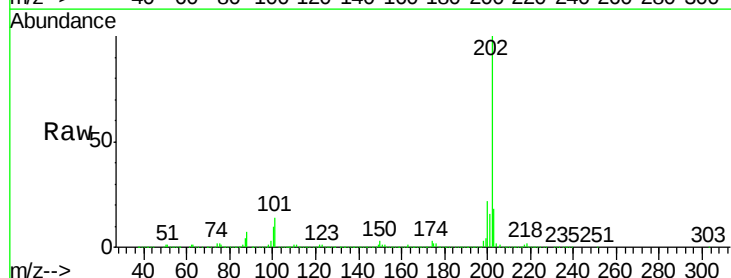
RT: 12.56 min Scan# 916

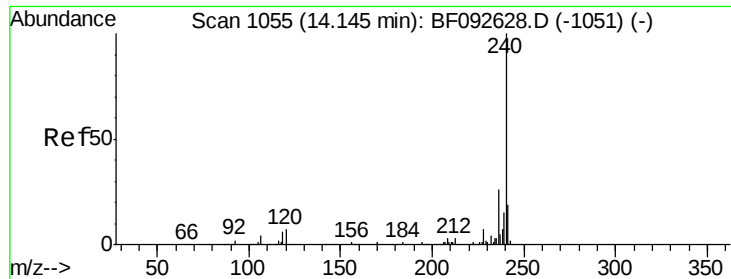
Delta R.T. -0.03 min

Lab File: BF093261.D

Acq: 28 Feb 2017 21:07

Tgt Ion:	202	Resp:	1643907
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	34.6
203	18.1	0.0	38.7





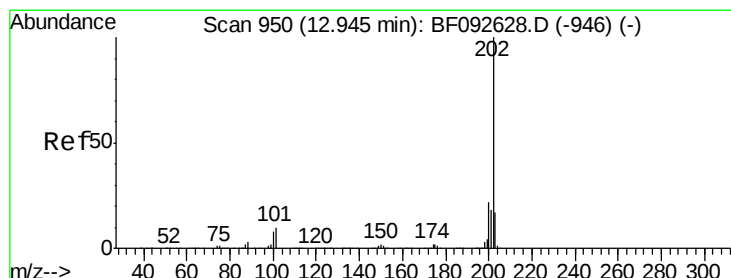
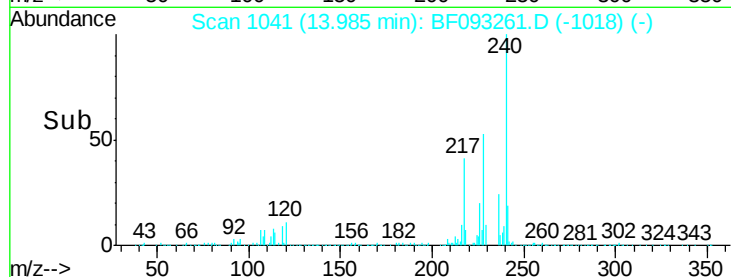
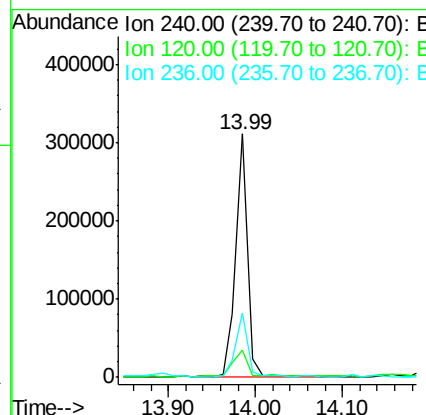
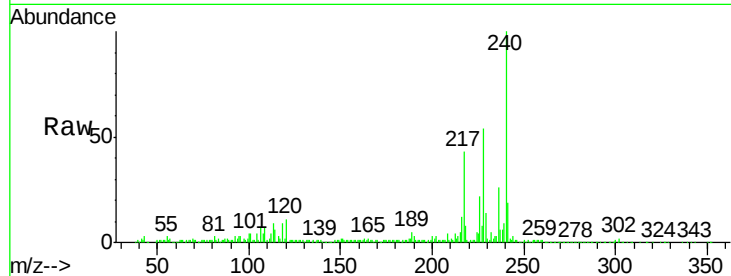
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	288127		
120	11.1	12.9	19.3#	
236	26.5	20.9	31.3	

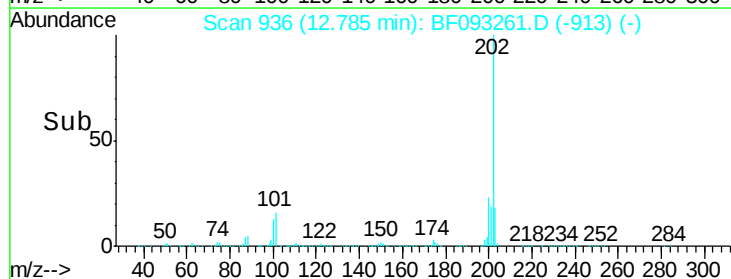
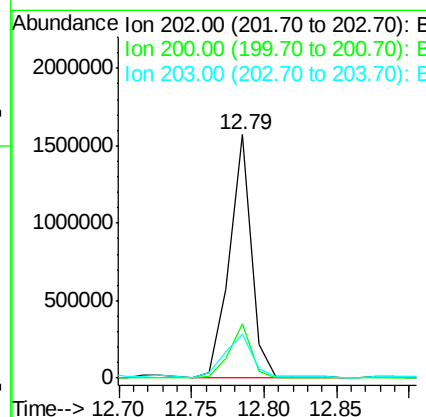
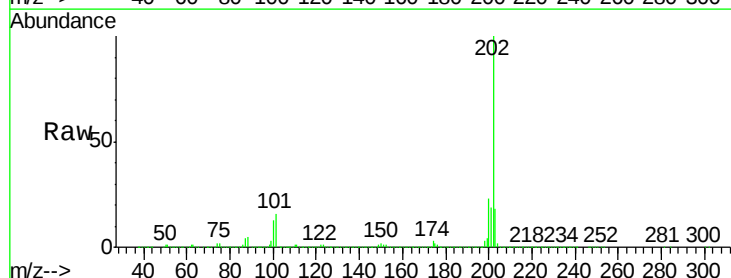
Manual Integrations
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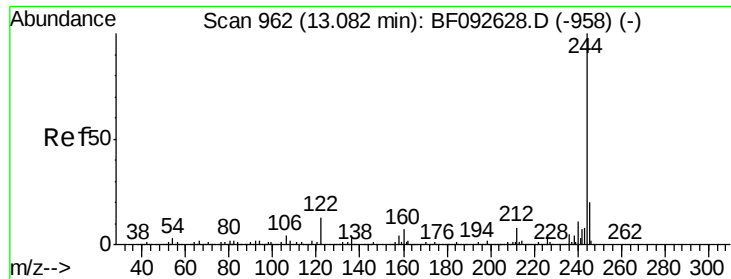
mohammad
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#77
Pyrene
Concen: 76.72 ng
RT: 12.79 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1654252		
200	22.5	17.7	26.5	
203	18.0	14.7	22.1	





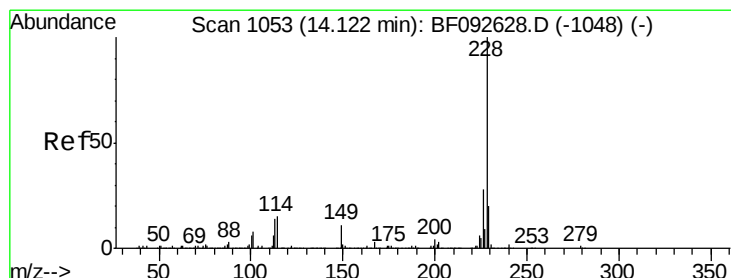
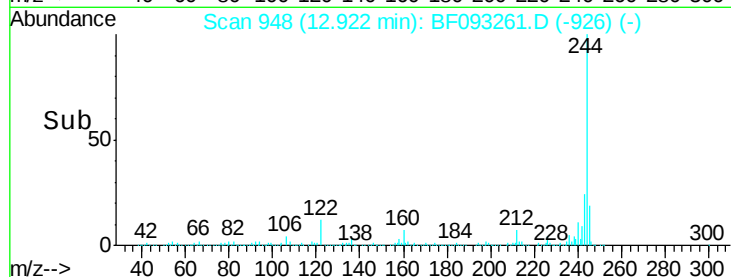
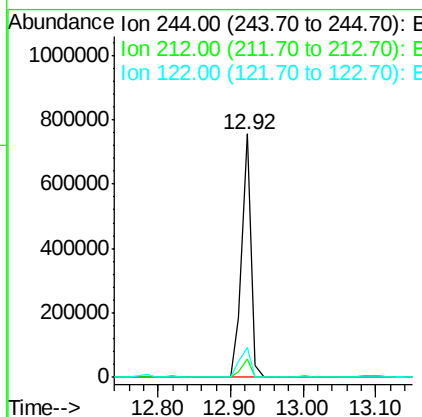
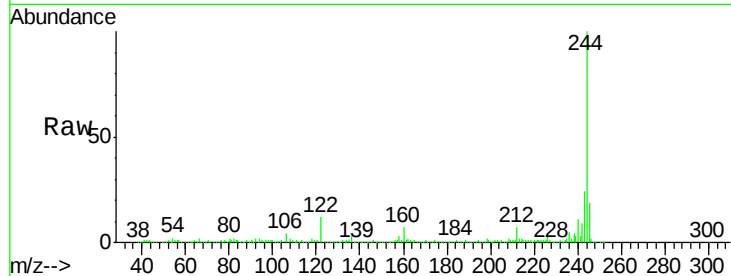
#78
 Terphenyl-d14
 Concen: 55.39 ng
 RT: 12.92 min Scan# 948
 Delta R.T. -0.05 min
 Lab File: BF093261.D
 Acq: 28 Feb 2017 21:07

Instrument :
 BNA_F
 ClientSampleId :
 TK3-11-20170227

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	12.1	11.4	17.2

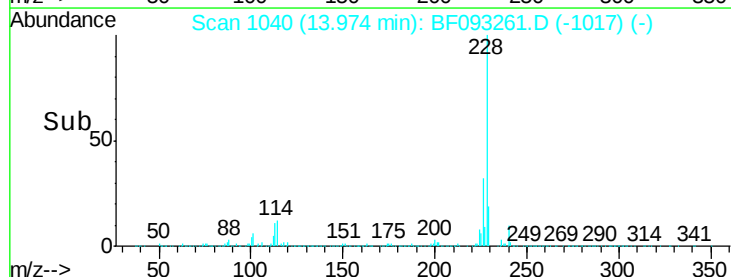
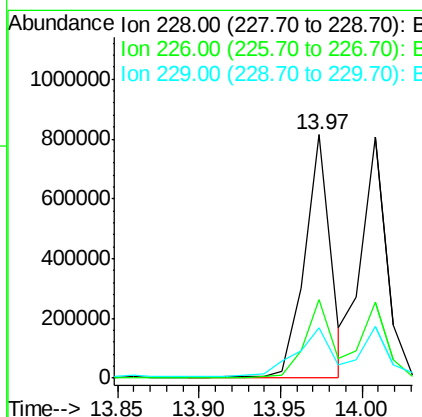
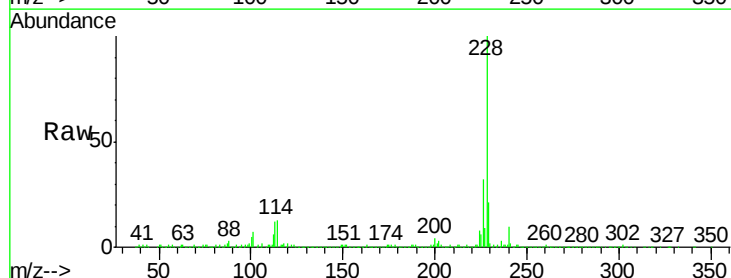
Manual Integrations
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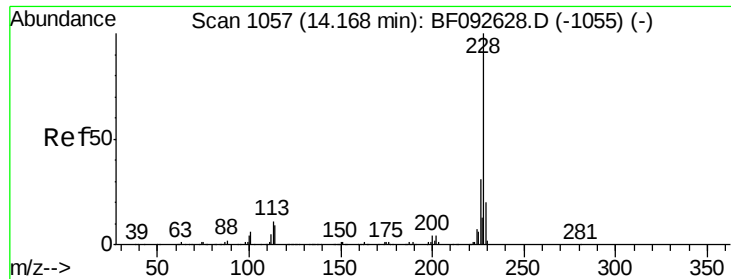
mohammad
 3/1/2017 4:06:37 PM



#80
 Benzo(a)anthracene
 Concen: 50.72 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.03 min
 Lab File: BF093261.D
 Acq: 28 Feb 2017 21:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	22.4	33.6
229	20.8	16.2	24.4





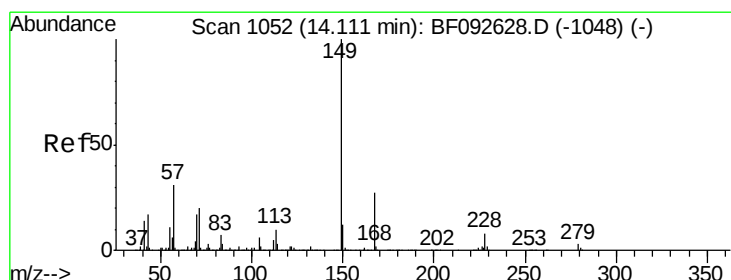
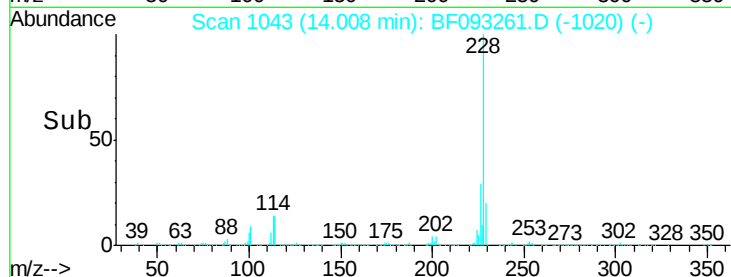
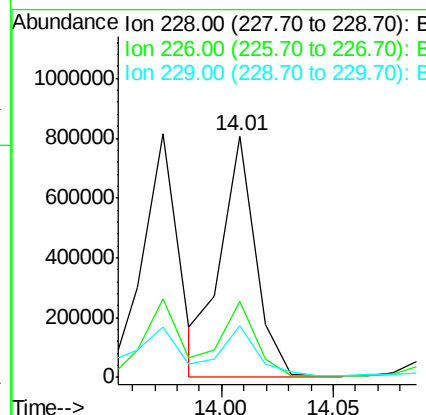
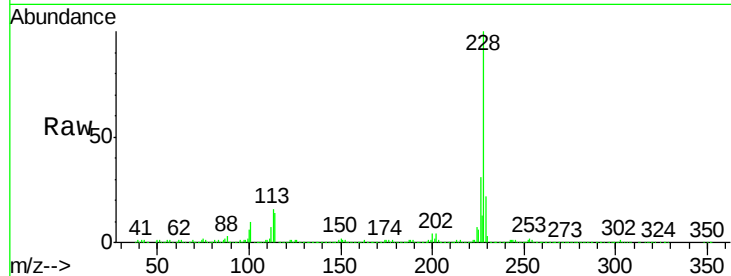
#82
Chrysene
Concen: 53.18 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227

Tgt Ion: 228 Resp: 877394
Ion Ratio Lower Upper
228 100
226 31.3 25.4 38.0
229 21.6 16.2 24.2

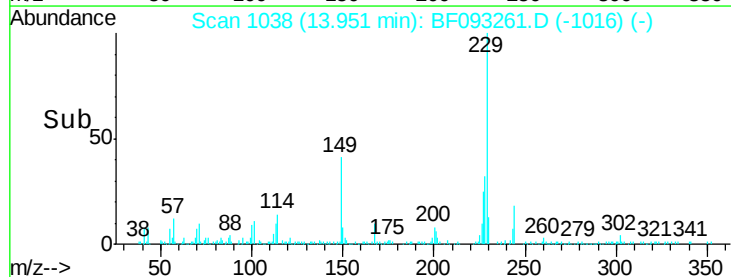
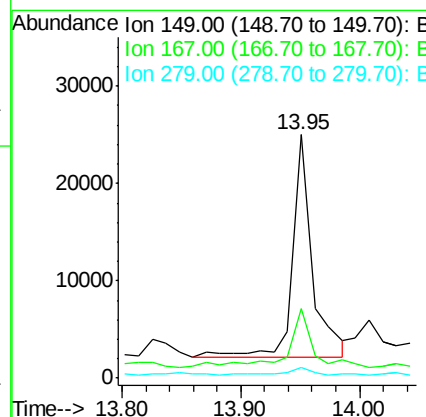
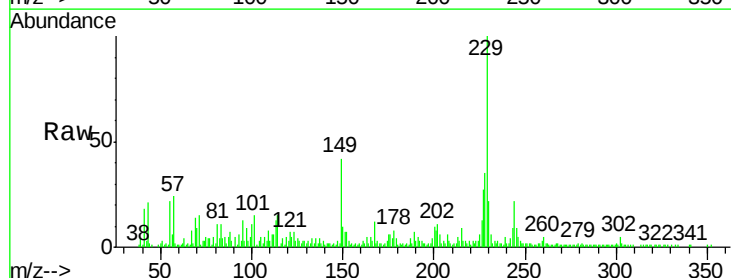
Manual Integrations
APPROVED

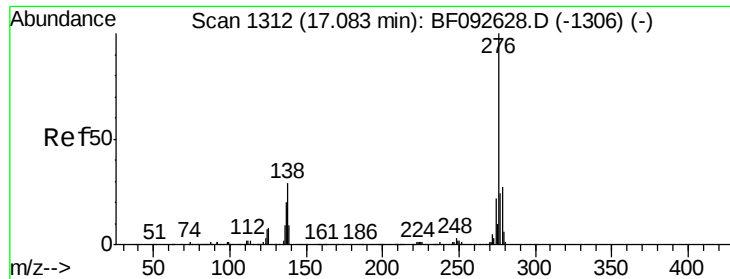
mohammad
3/1/2017 4:06:37 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 2.21 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.05 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Tgt Ion: 149 Resp: 26422
Ion Ratio Lower Upper
149 100
167 28.6 20.2 30.4
279 4.3 1.8 2.8#





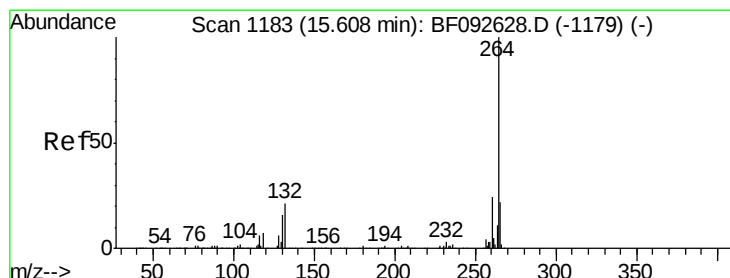
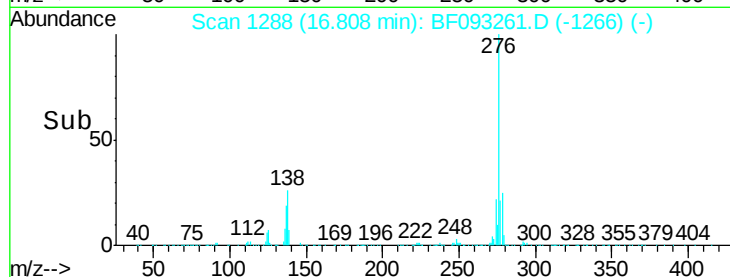
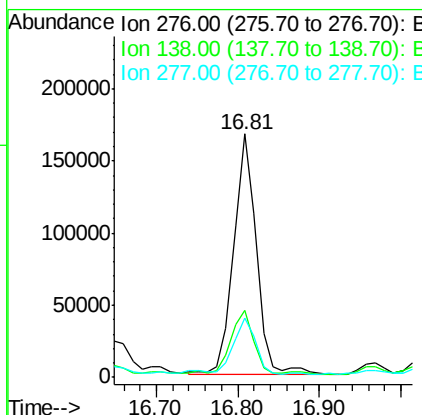
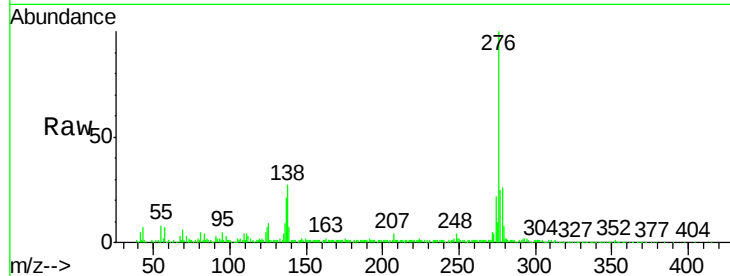
#85
Indeno(1,2,3-cd)pyrene
Concen: 25.20 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.05 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	322081		
138	26.5	21.8	32.6	
277	23.3	20.2	30.4	

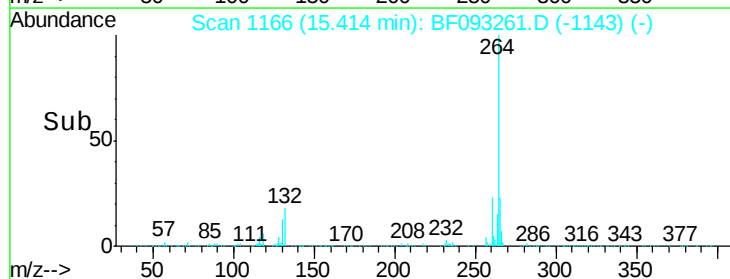
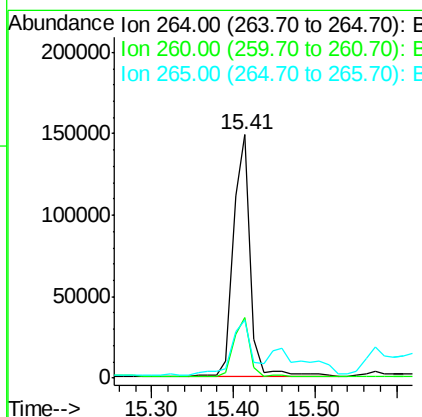
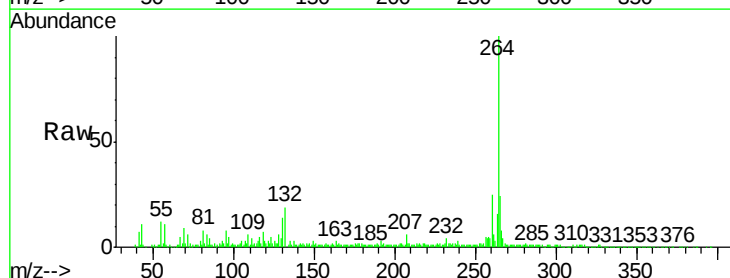
Manual Integrations
APPROVED

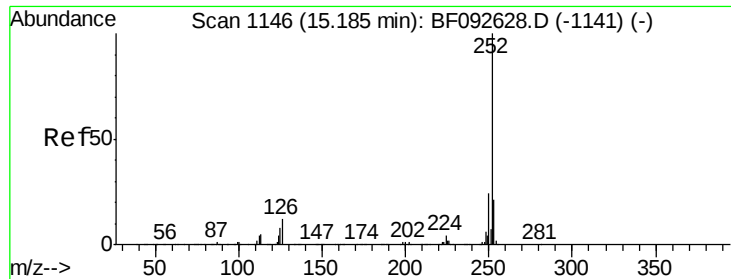
mohammad
3/1/2017 4:06:37 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	214675		
260	24.8	19.2	28.8	
265	23.7	17.4	26.0	





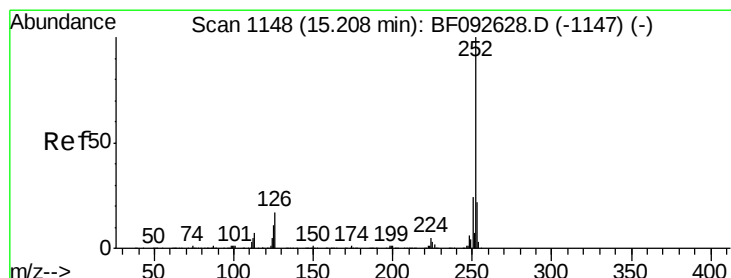
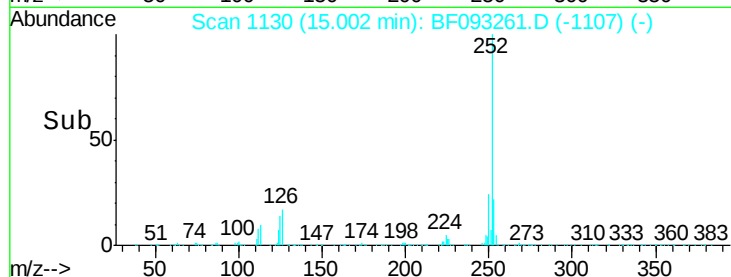
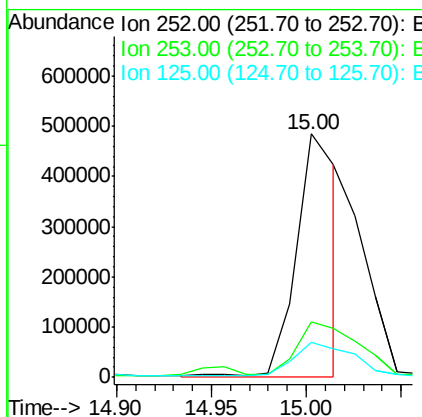
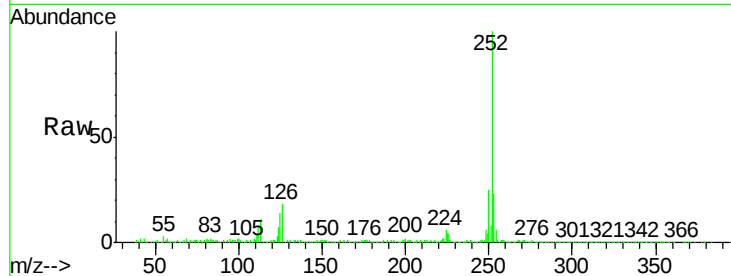
#87
Benzo(b)fluoranthene
Concen: 52.29 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	14.4	9.8	14.6

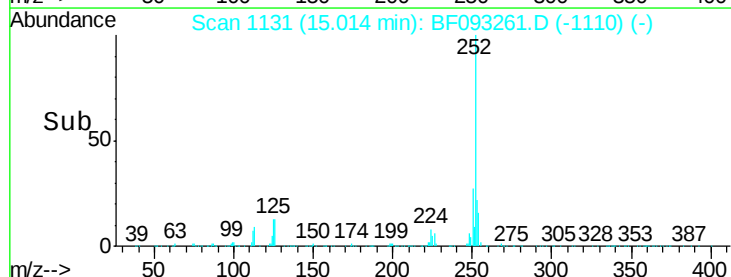
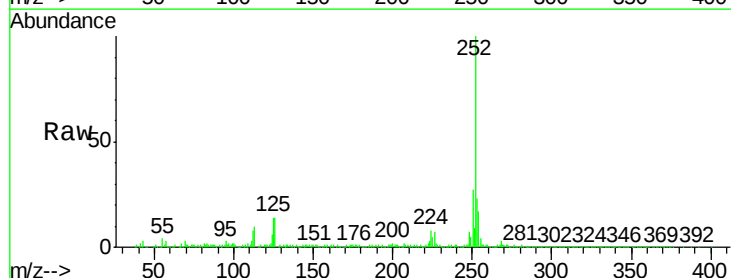
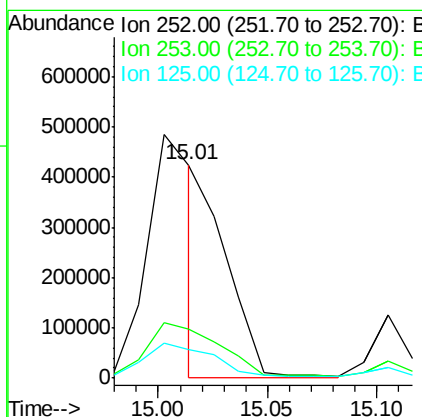
Manual Integrations
APPROVED

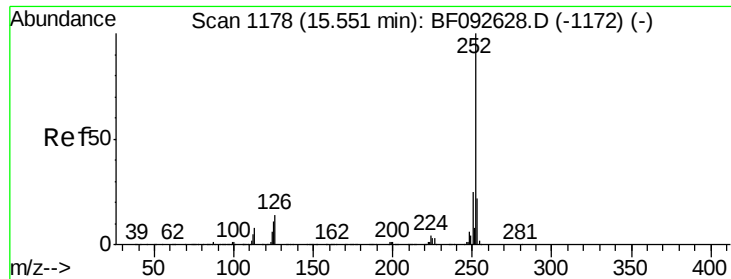
mohammad
3/1/2017 4:06:37 PM



#88
Benzo(k)fluoranthene
Concen: 28.63 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093261.D
Acq: 28 Feb 2017 21:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	13.6	8.9	13.3#





#89

Benzo(a)pyrene

Concen: 44.09 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.03 min

Lab File: BF093261.D

Acq: 28 Feb 2017 21:07

Instrument :

BNA_F

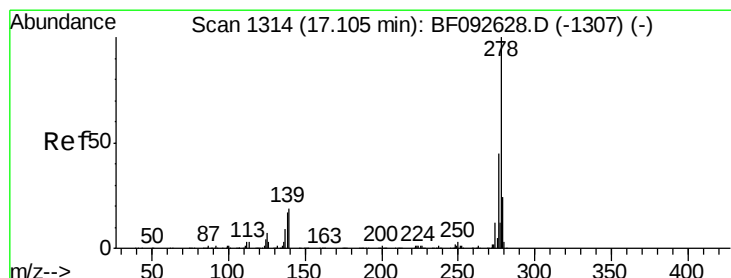
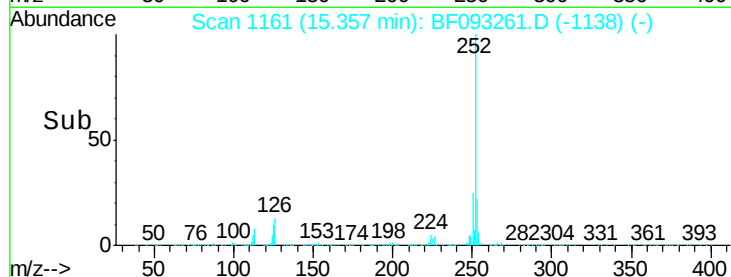
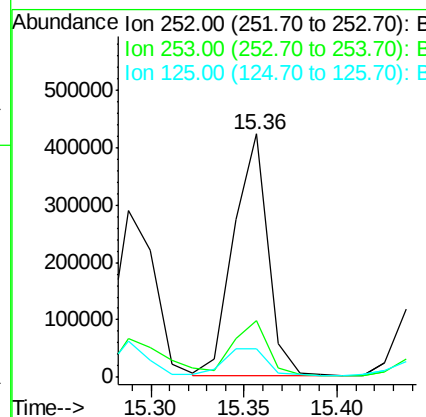
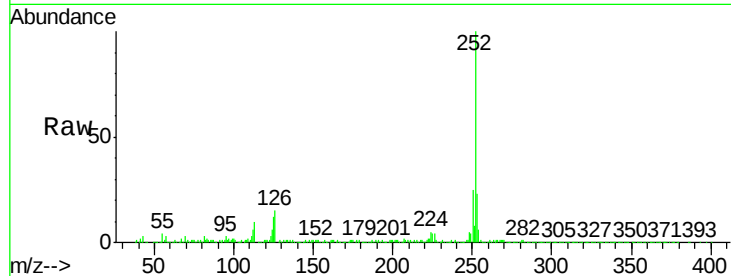
ClientSampleId :

TK3-11-20170227

Tgt Ion:	252	Resp:	538849
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.2	27.2
125	11.9	10.0	15.0

Manual Integrations
APPROVED

mohammad
3/1/2017 4:06:37 PM



#90

Dibenzo(a,h)anthracene

Concen: 9.39 ng

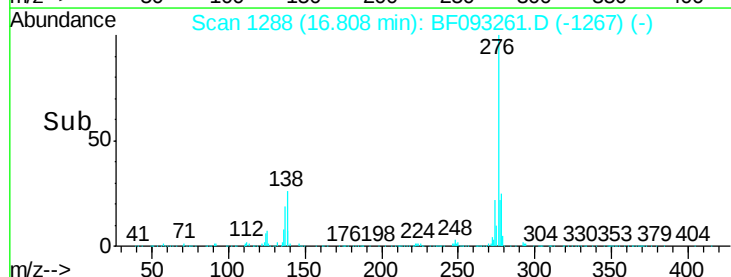
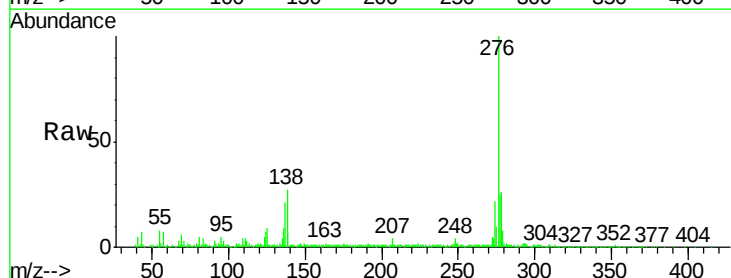
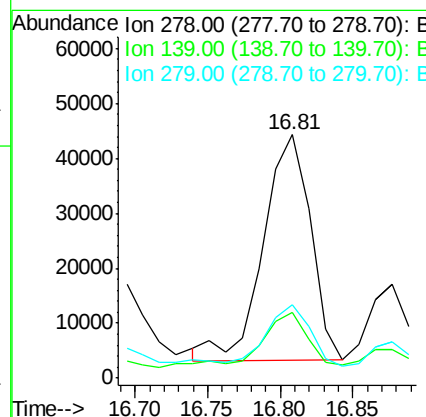
RT: 16.81 min Scan# 1288

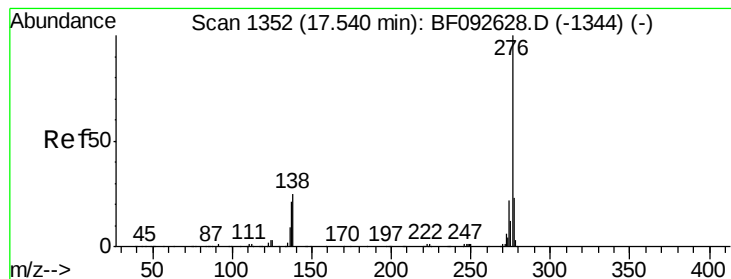
Delta R.T. -0.06 min

Lab File: BF093261.D

Acq: 28 Feb 2017 21:07

Tgt Ion:	278	Resp:	92749
Ion Ratio	Lower	Upper	
278	100		
139	26.9	14.8	22.2#
279	30.2	19.8	29.6#





#91

Benzo(g,h,i)perylene

Concen: 31.18 ng

RT: 17.23 min Scan# 1325

Delta R.T. -0.06 min

Lab File: BF093261.D

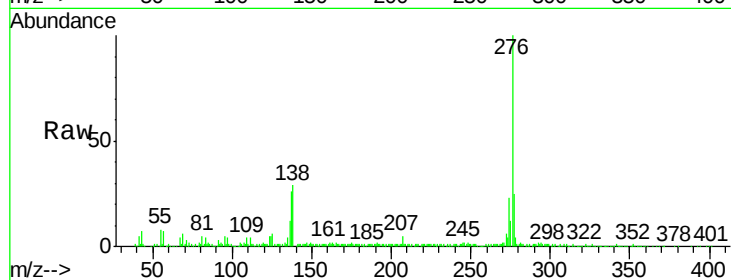
Acq: 28 Feb 2017 21:07

Instrument :

BNA_F

ClientSampleId :

TK3-11-20170227



Tgt Ion:	276	Resp:	311131
Ion Ratio		Lower	Upper
276	100		
277	24.7	19.2	28.8
138	29.2	16.0	24.0

Manual Integrations
APPROVED

mohammad
3/1/2017 4:06:37 PM

