Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093249.D
Acq On : 28 Feb 2017 15:32
Operator : SJ/MA
Sample : I2017-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-20170227

Manual Integrations APPROVED
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3/1/2017 4:06:05 PM

Quant Time: Mar 01 08:03:29 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	145226	20.00	ng		-0.05
21) Naphthalene-d8	8.10	136	550627	20.00	ng		-0.05
38) Acenaphthene-d10	9.85	164	267860	20.00	ng		-0.05
63) Phenanthrene-d10	11.33	188	452480	20.00	ng		-0.05
75) Chrysene-d12	13.97	240	296434	20.00	ng		-0.05
86) Perylene-d12	15.39	264	301313	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	937449	110.75	ng		-0.03
7) Phenol-d6	6.46	99	1235574	113.44	ng		-0.02
23) Nitrobenzene-d5	7.38	82	723619	73.18	ng		-0.05
41) 2,4,6-Tribromophenol	10.64	330	194867	100.59	ng		-0.05
44) 2-Fluorobiphenyl	9.17	172	1137426	76.93	ng		-0.05
78) Terphenyl-d14	12.91	244	728112	57.71	ng		-0.06
Target Compounds							Qvalue
10) Phenol	6.48	94	80636	6.33	ng	#	70
48) Acenaphthylene	9.71	152	80919	3.09	ng		97
49) Dimethylphthalate	9.56	163	134719	7.47	ng		99
70) Phenanthrene	11.36	178	683743	26.38	ng		98
71) Anthracene	11.40	178	124853	4.80	ng		96
72) Carbazole	11.56	167	59941	2.41	ng		98
74) Fluoranthene	12.55	202	823128	30.78	ng		95
77) Pyrene	12.77	202	758560	34.19	ng		98
80) Benzo(a)anthracene	13.96	228	337975	18.64	ng		94
82) Chrysene	14.00	228	314946	18.55	ng		98
85) Indeno(1,2,3-cd)pyrene	16.77	276	160730	12.22	ng		98
87) Benzo(b)fluoranthene	14.99	252	378112m	19.07	ng		
88) Benzo(k)fluoranthene	15.01	252	111028m	6.48	ng		
89) Benzo(a)pyrene	15.33	252	260327	15.17	ng		99
90) Dibenzo(a,h)anthracene	16.77	278	43002m	3.10	ng		
91) Benzo(g,h,i)perylene	17.20	276	146185	10.44	ng	#	91

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

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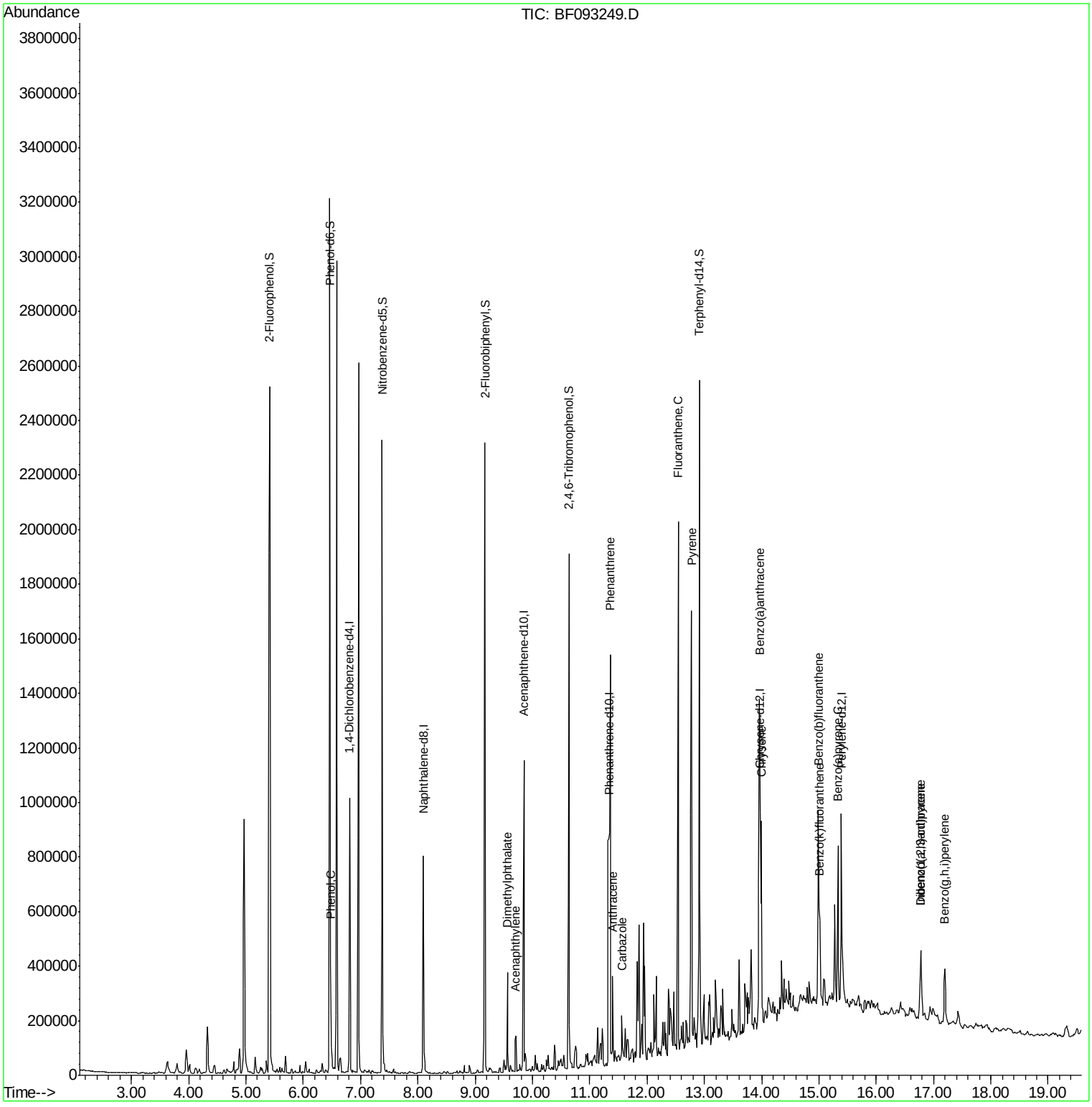
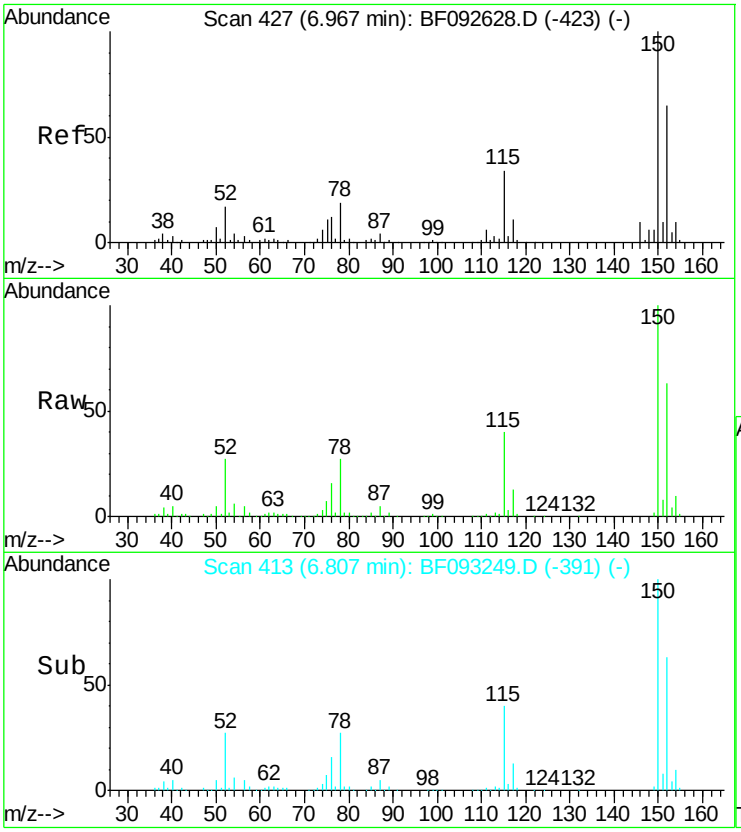
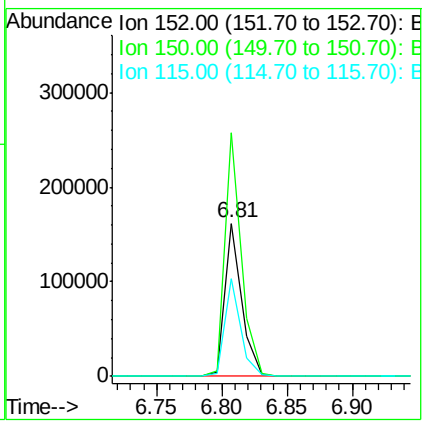




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:152 Resp: 145226

Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.9	187.3
115	63.6	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
TK3-WC-20170227

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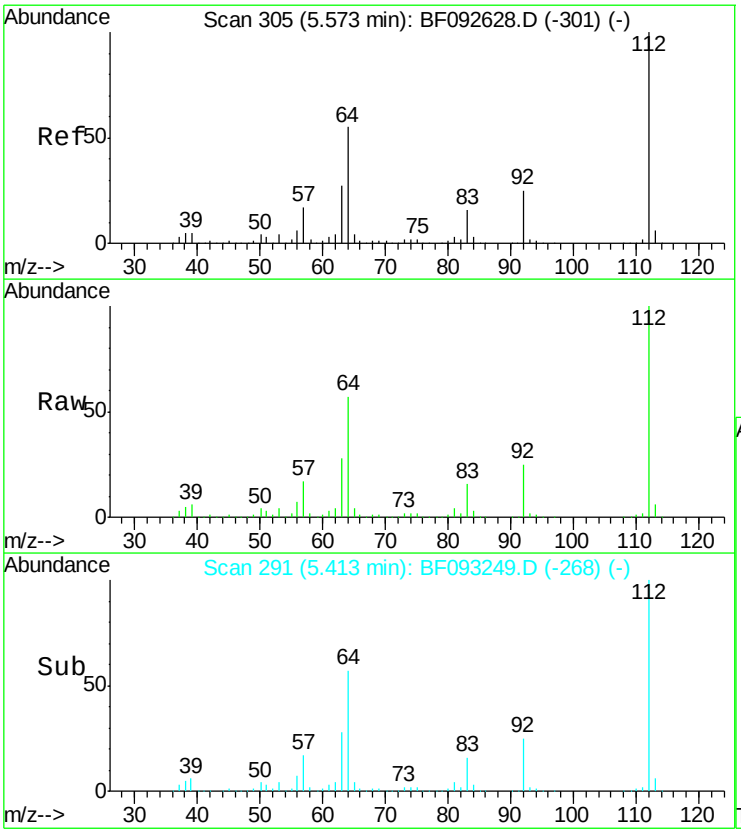
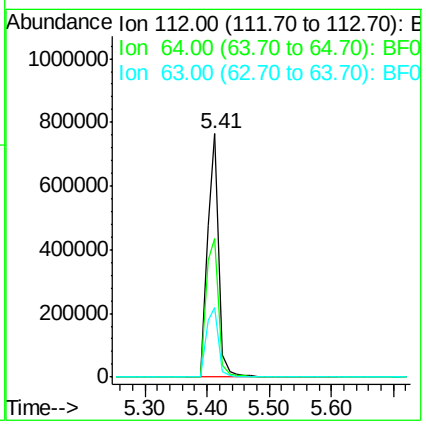
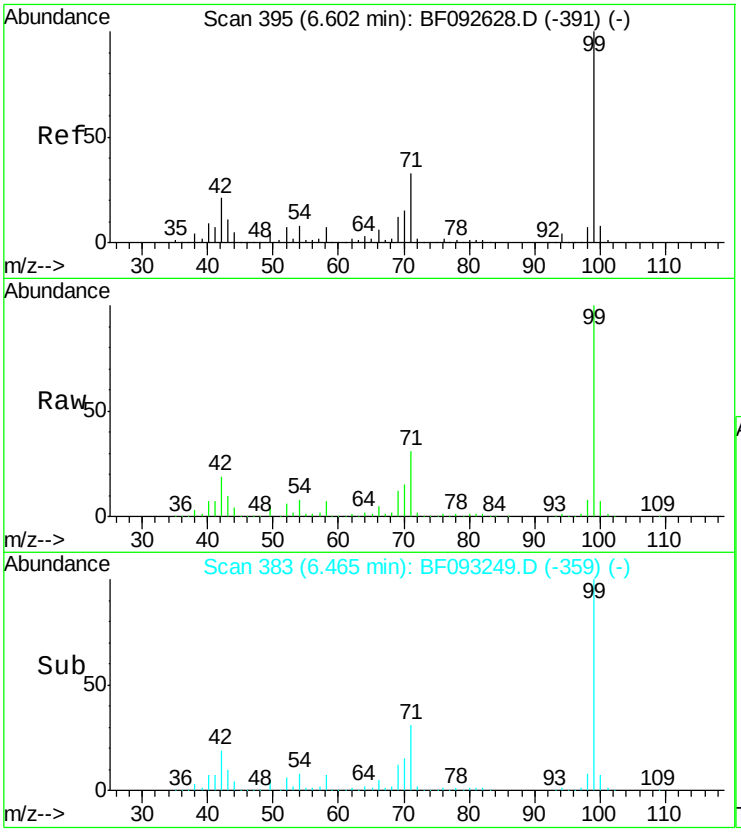


#5
2-Fluorophenol
Concen: 110.75 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:112 Resp: 937449

Ion	Ratio	Lower	Upper
112	100		
64	57.1	46.1	69.1
63	28.5	23.8	35.6

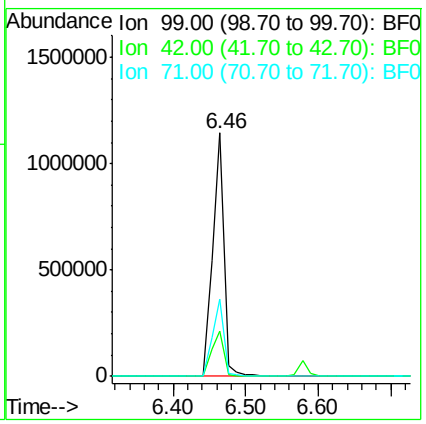




#7
Phenol-d6
Concen: 113.44 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.02 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion: 99 Resp: 1235574

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.6	23.4
71	31.5	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
TK3-WC-20170227

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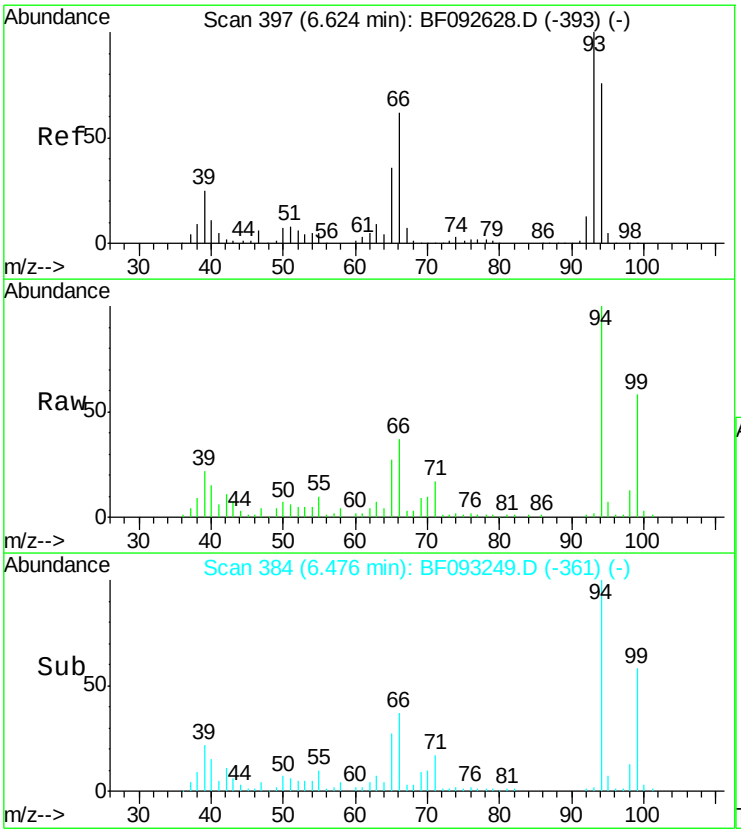
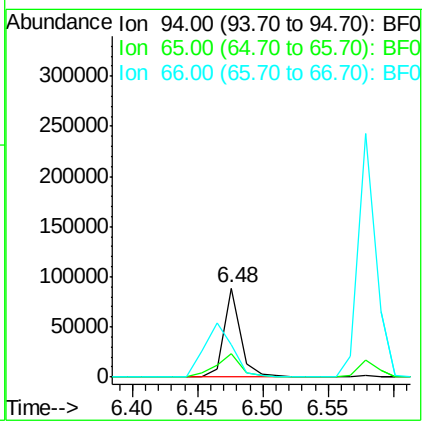
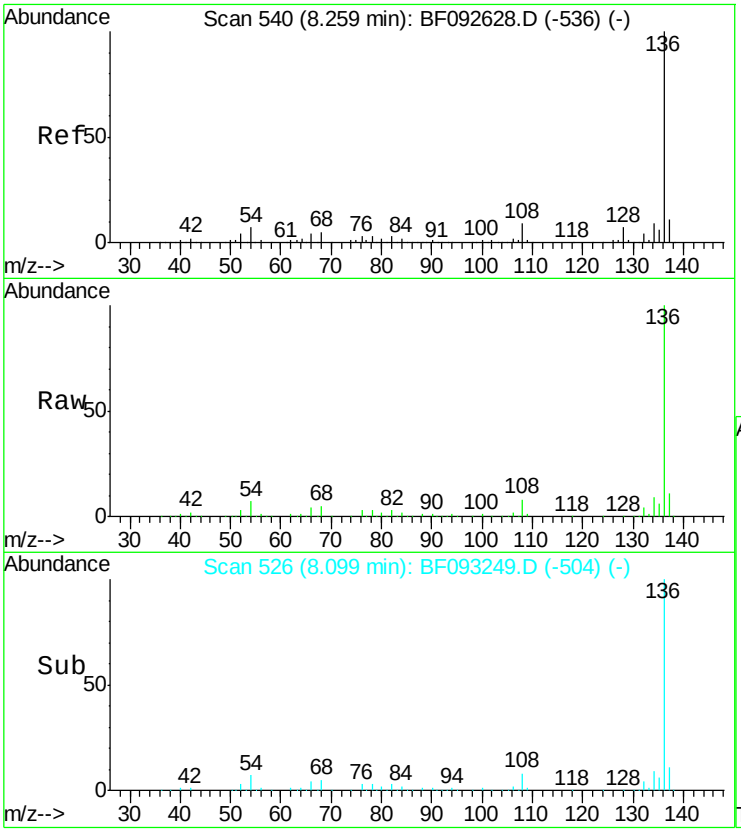


#10
Phenol
Concen: 6.33 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.03 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion: 94 Resp: 80636

Ion	Ratio	Lower	Upper
94	100		
65	26.9	21.4	61.4
66	36.7	44.0	84.0#

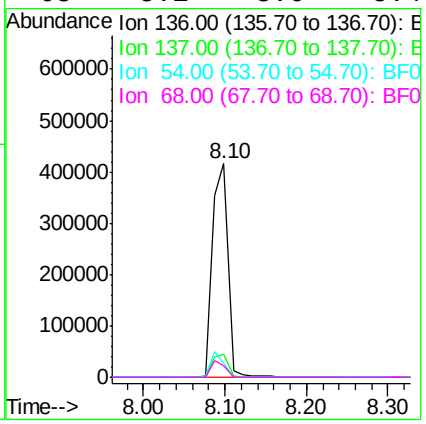




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:136 Resp: 550627

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.9	4.5	6.7#
68	5.1	3.6	5.4



Instrument :
BNA_F
ClientSampleId :
TK3-WC-20170227

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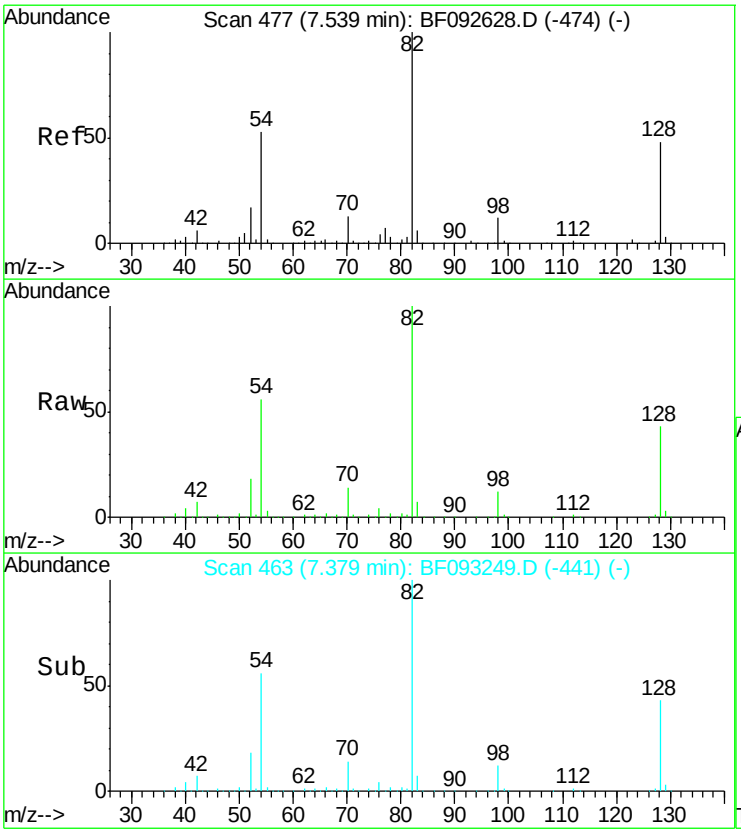
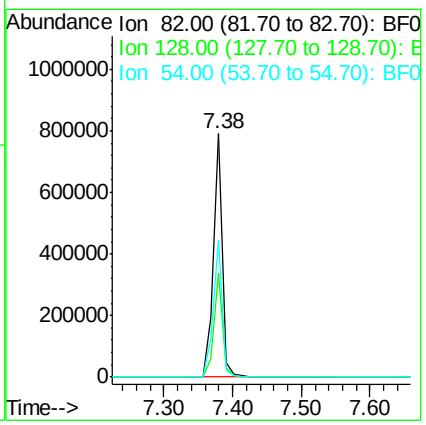
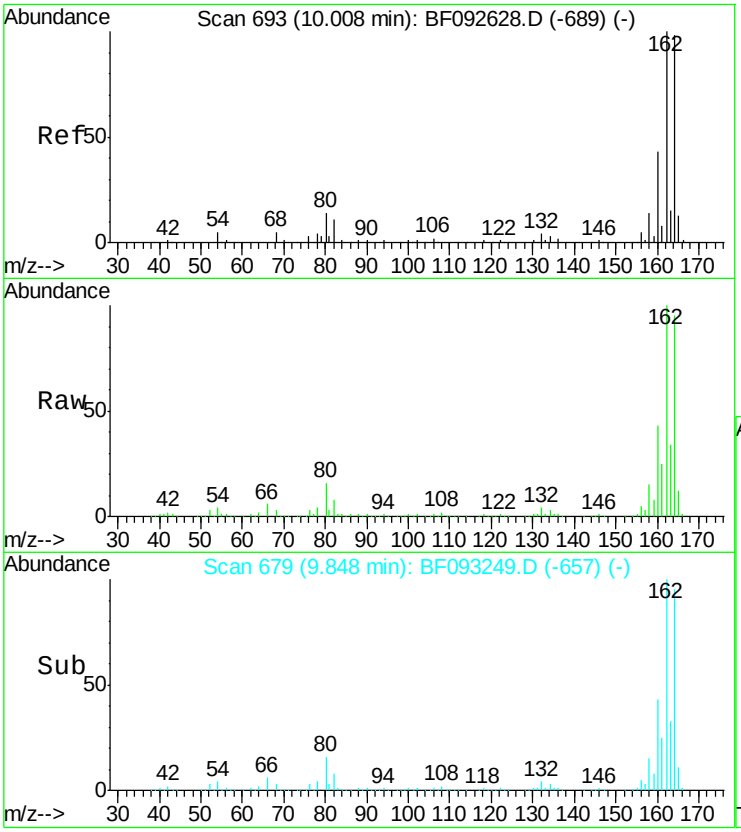


#23
Nitrobenzene-d5
Concen: 73.18 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion: 82 Resp: 723619

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.6	52.0
54	56.4	39.5	59.3

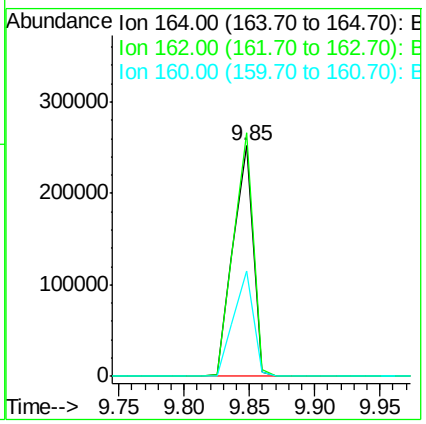




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:164 Resp: 267860

Ion	Ratio	Lower	Upper
164	100		
162	105.5	80.2	120.2
160	45.9	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
TK3-WC-20170227

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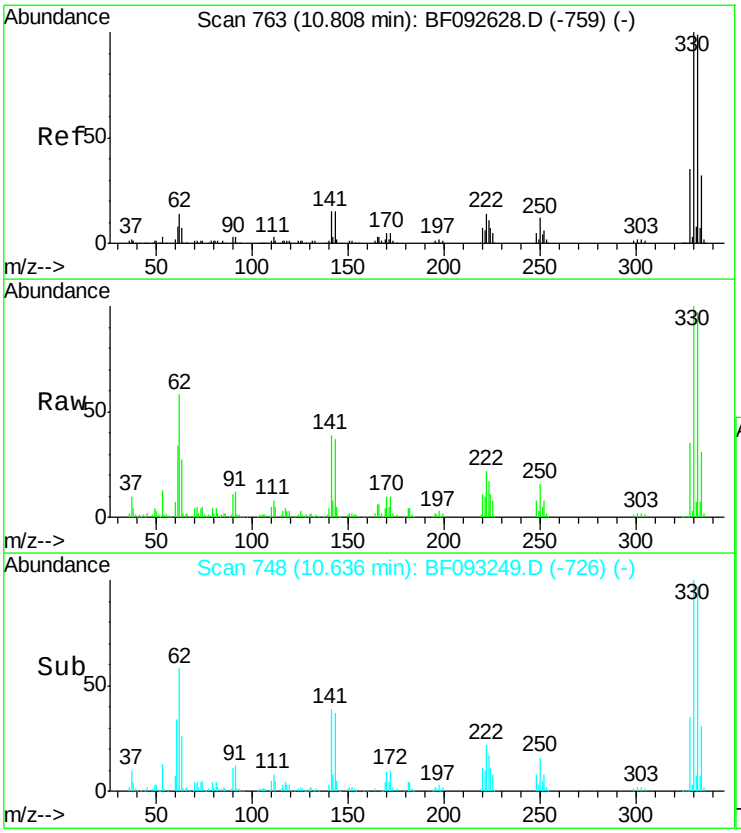
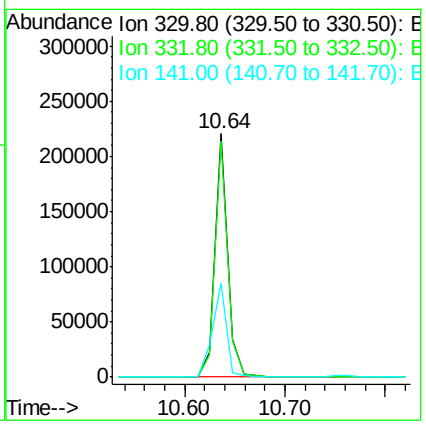
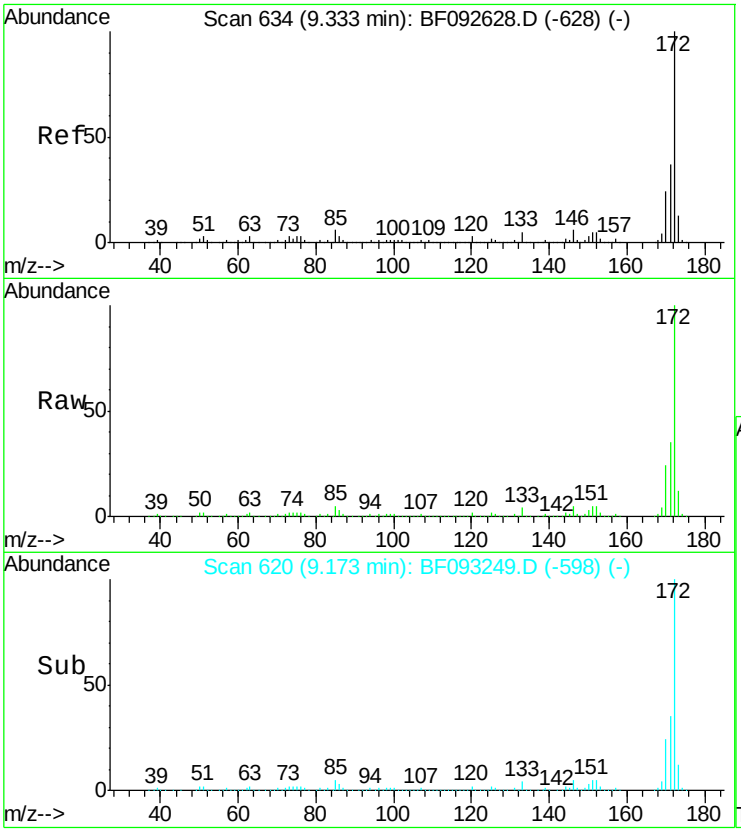


#41
2,4,6-Tribromophenol
Concen: 100.59 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:330 Resp: 194867

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	43.4	34.1	51.1

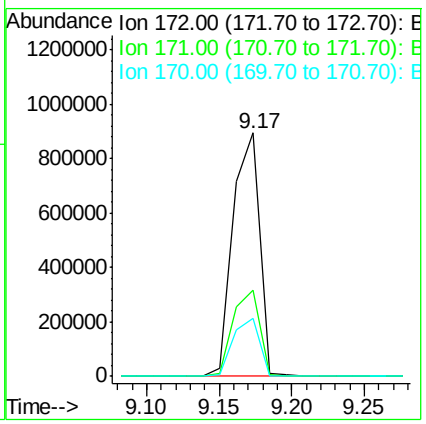




#44
2-Fluorobiphenyl
Concen: 76.93 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:172 Resp: 1137426

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.4	44.0
170	23.9	20.2	30.4



Instrument :
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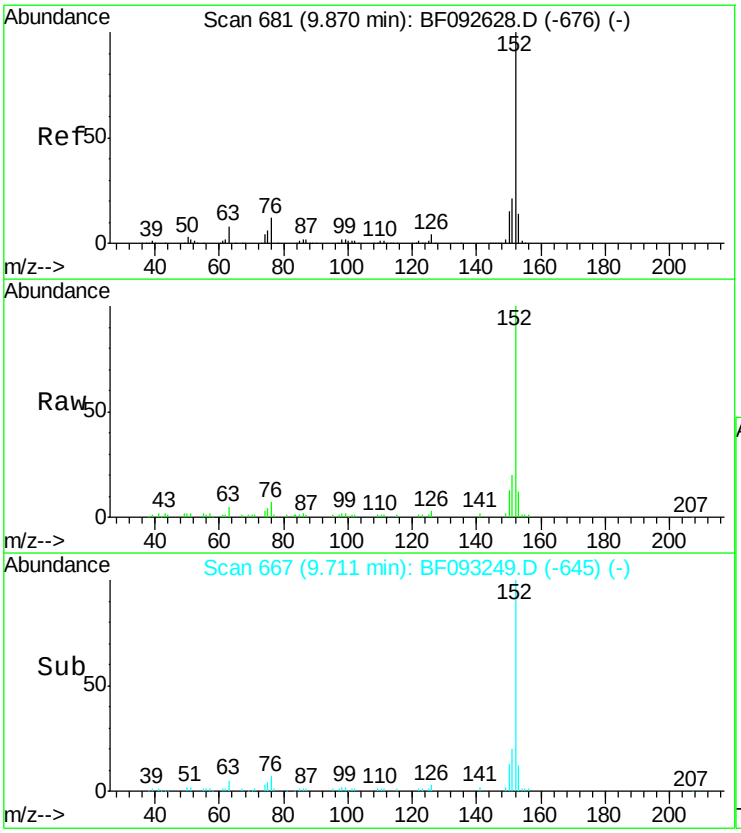
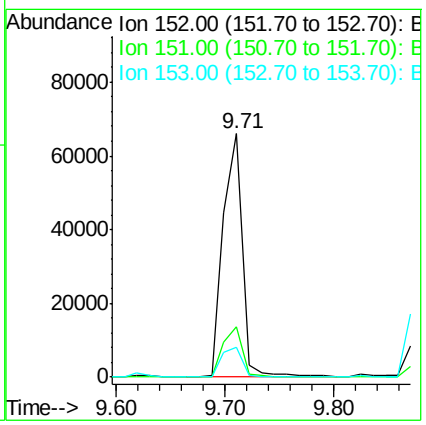
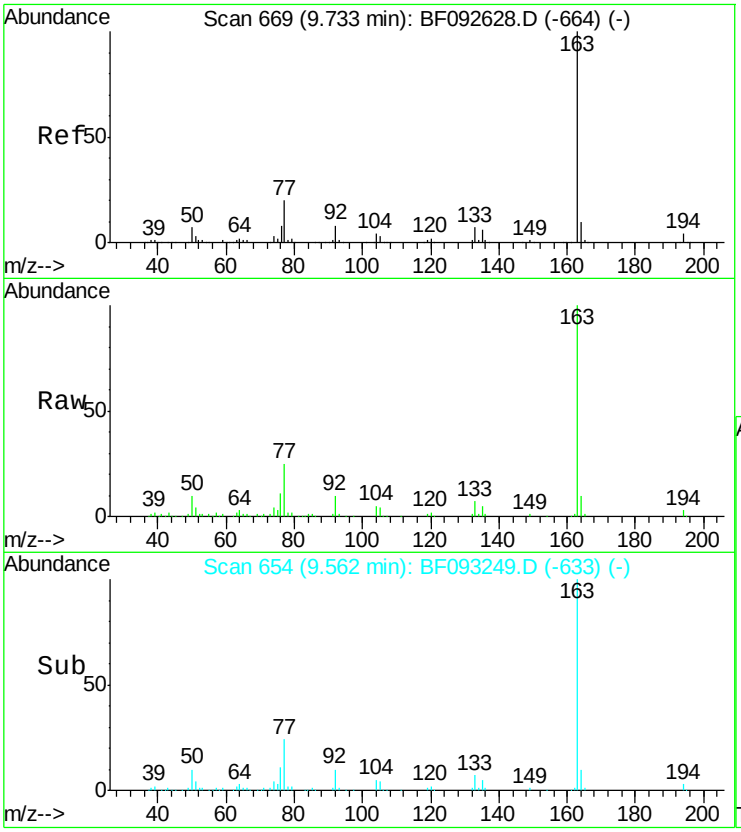


#48
Acenaphthylene
Concen: 3.09 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:152 Resp: 80919

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.9	25.3
153	12.2	11.4	17.2

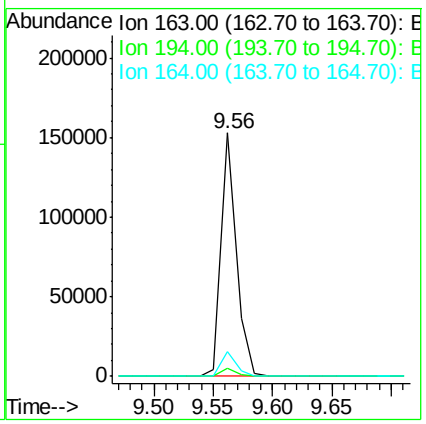




#49
Dimethylphthalate
Concen: 7.47 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:163 Resp: 134719

Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.0	4.4
164	10.1	8.0	12.0



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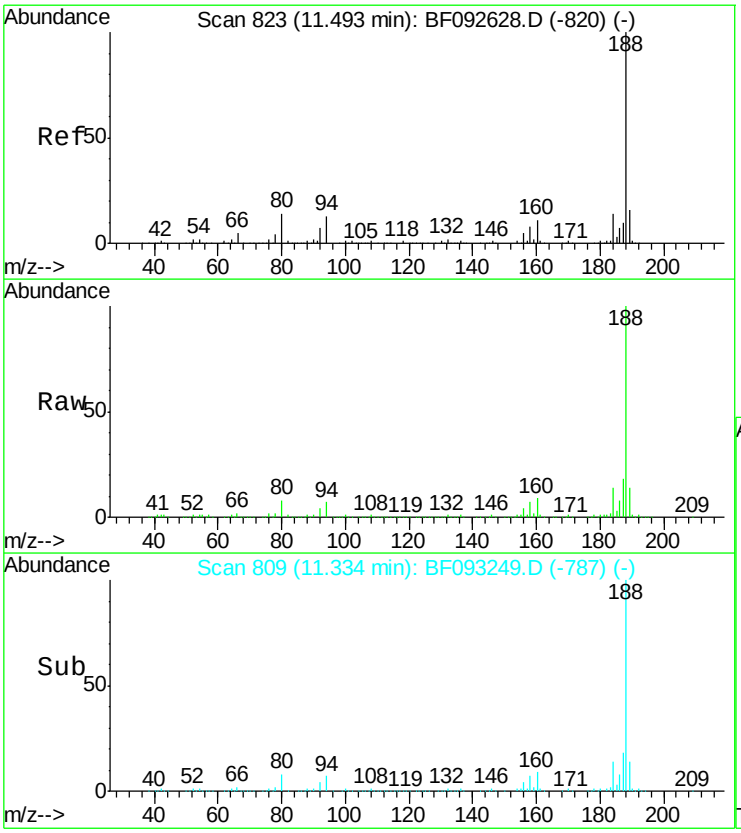
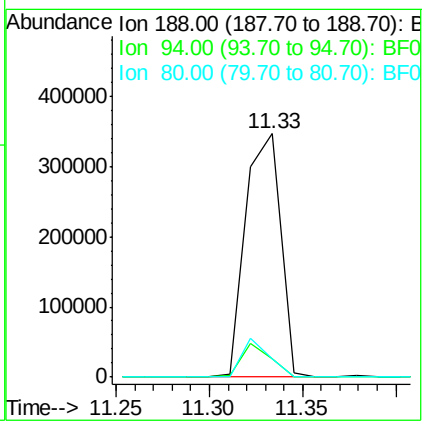
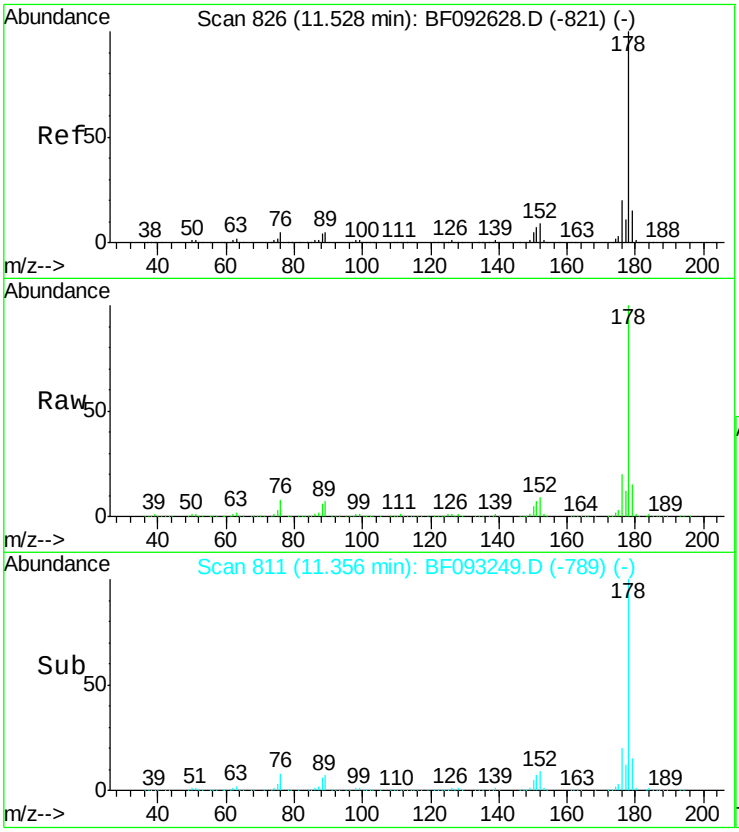


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:188 Resp: 452480

Ion	Ratio	Lower	Upper
188	100		
94	7.3	10.0	15.0#
80	7.7	11.2	16.8#

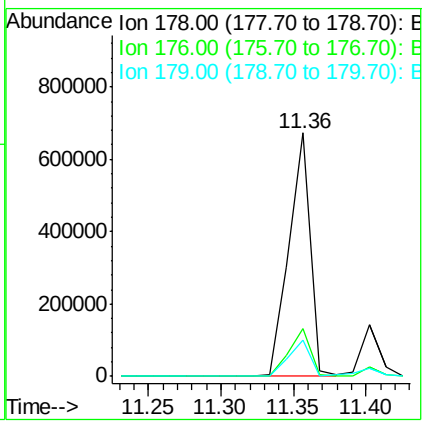




#70
Phenanthrene
Concen: 26.38 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:178 Resp: 683743

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.6	25.0
179	15.1	12.8	19.2



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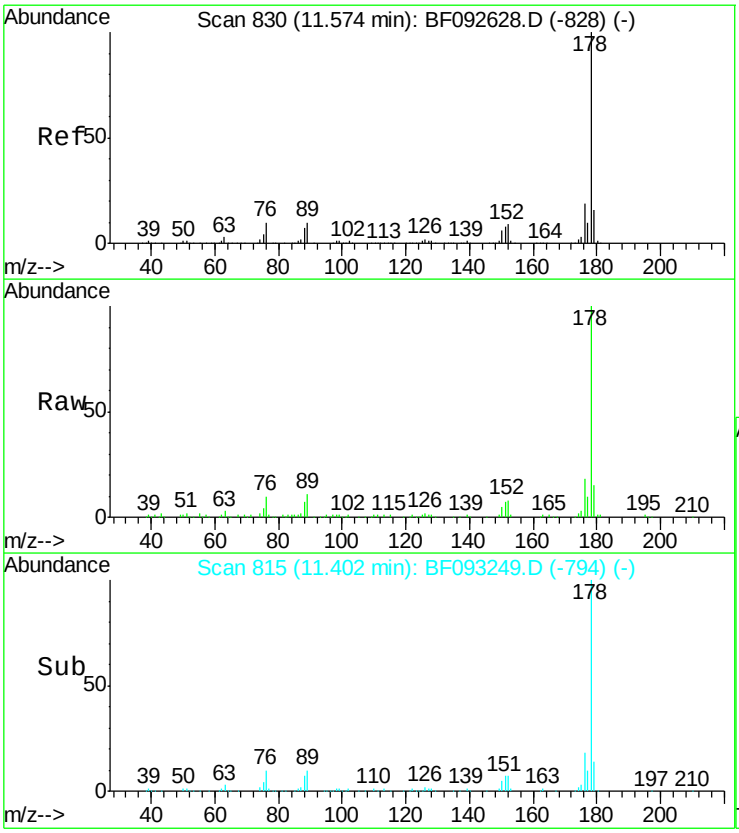
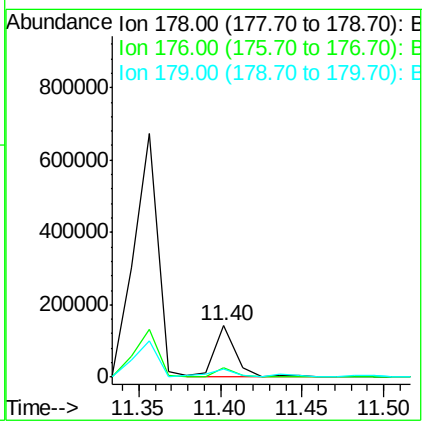
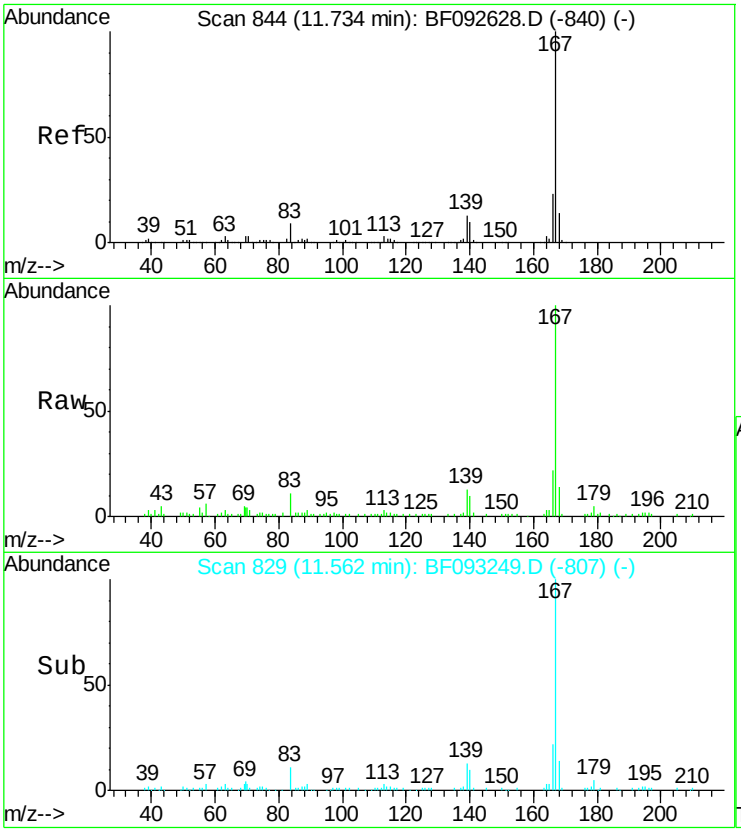


#71
Anthracene
Concen: 4.80 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.06 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:178 Resp: 124853

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.9	23.9
179	14.7	13.2	19.8

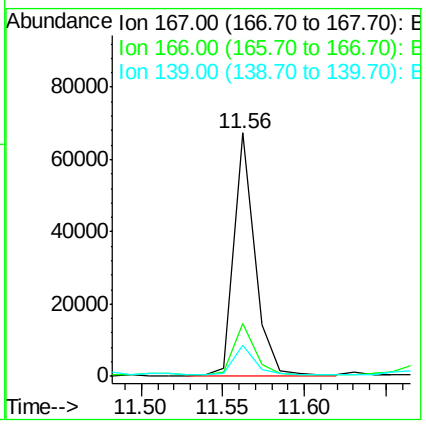




#72
Carbazole
Concen: 2.41 ng
RT: 11.56 min Scan# 829
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:167 Resp: 59941

Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.2	27.2
139	13.0	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
TK3-WC-20170227

Manual Integrations APPROVED
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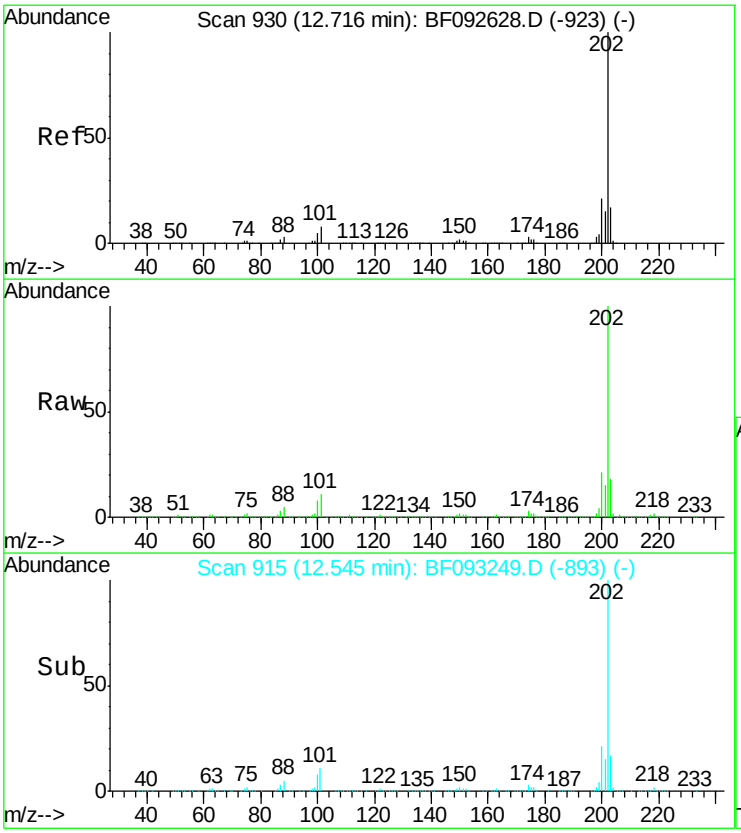
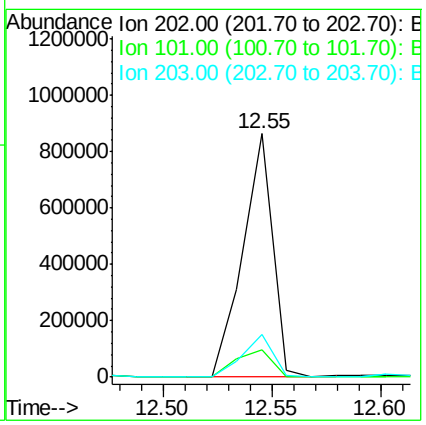
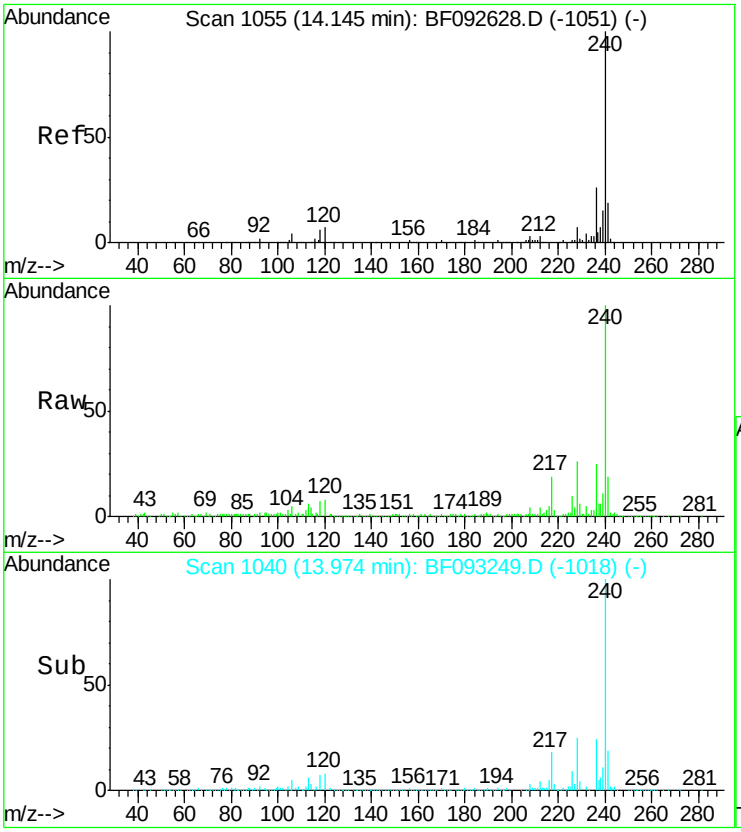


#74
Fluoranthene
Concen: 30.78 ng
RT: 12.55 min Scan# 915
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:202 Resp: 823128

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.6
203	17.5	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: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:240 Resp: 296434

Ion	Ratio	Lower	Upper
240	100		
120	7.9	12.9	19.3#
236	24.9	20.9	31.3

Instrument :
BNA_F
ClientSampleId :
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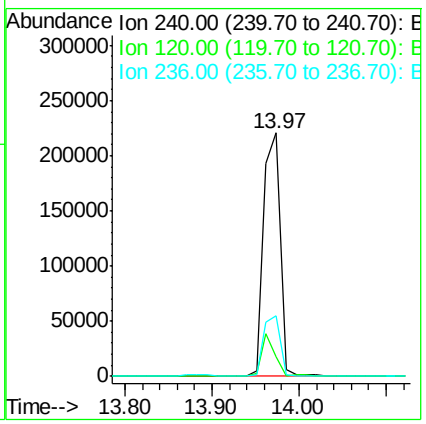
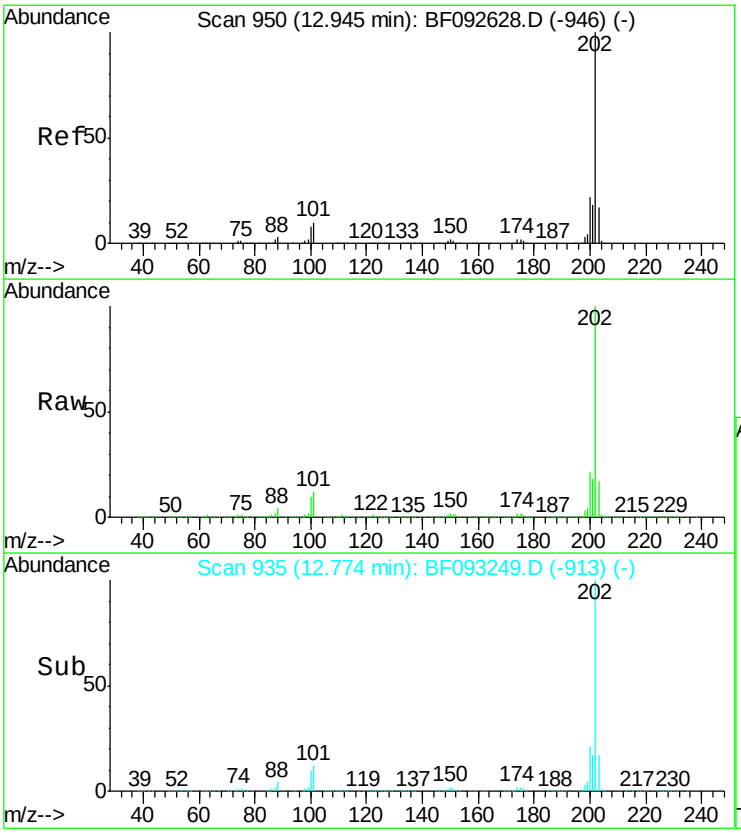
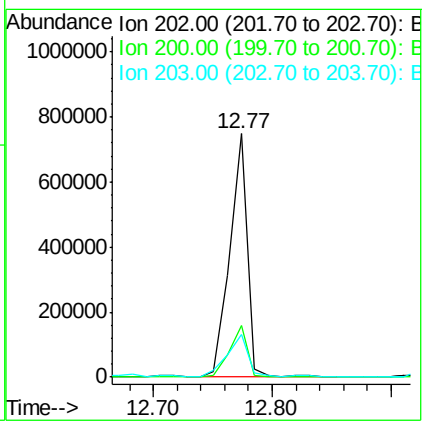


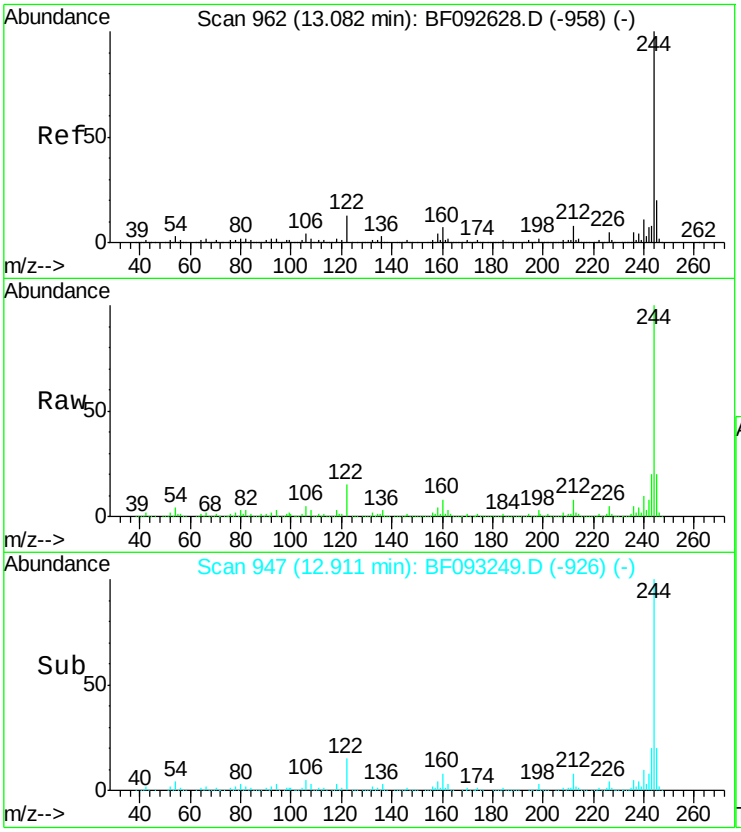


#77
Pyrene
Concen: 34.19 ng
RT: 12.77 min Scan# 935
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:202 Resp: 758560

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.7	26.5
203	17.4	14.7	22.1

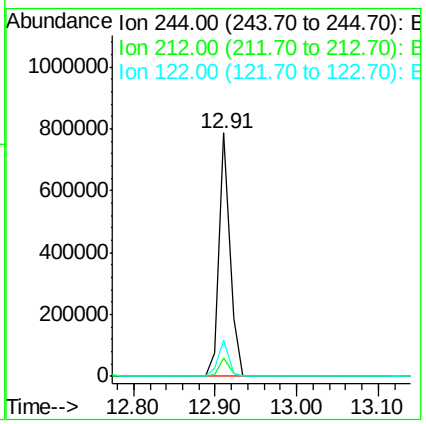




#78
Terphenyl-d14
Concen: 57.71 ng
RT: 12.91 min Scan# 947
Delta R.T. -0.06 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:244 Resp: 728112

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	14.8	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
TK3-WC-20170227

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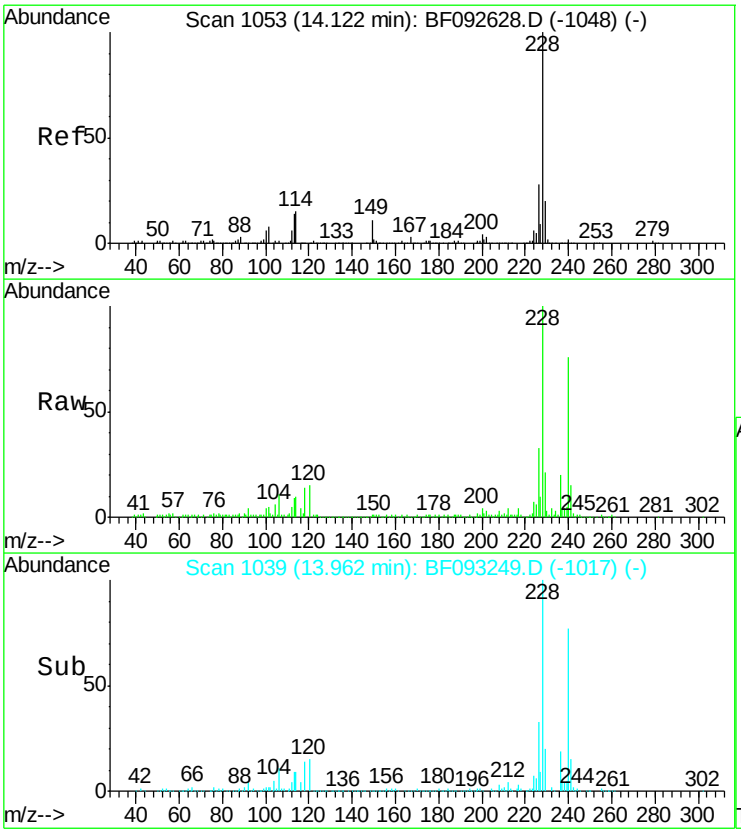
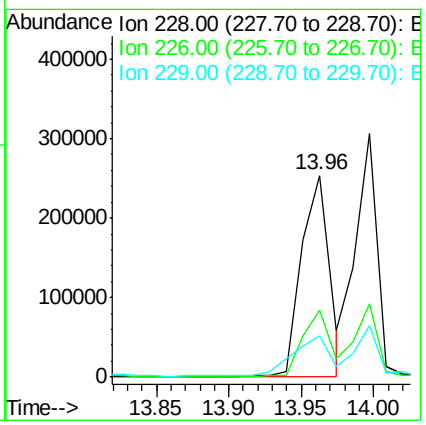
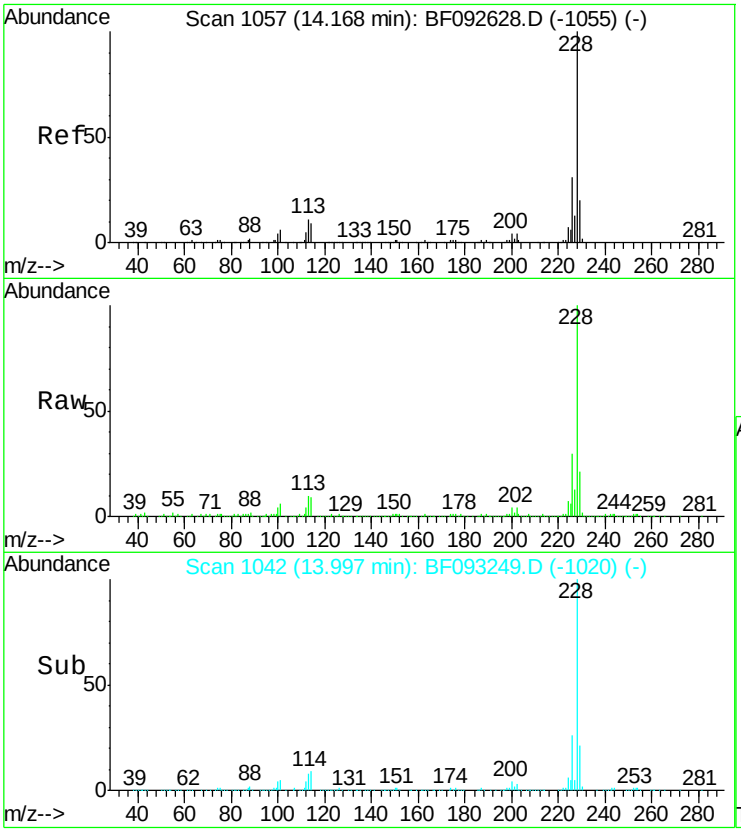


#80
Benzo(a)anthracene
Concen: 18.64 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:228 Resp: 337975

Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.4	33.6
229	20.8	16.2	24.4

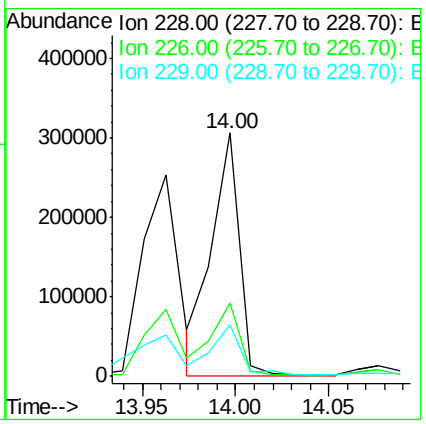




#82
Chrysene
Concen: 18.55 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:228 Resp: 314946

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	21.0	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
TK3-WC-20170227

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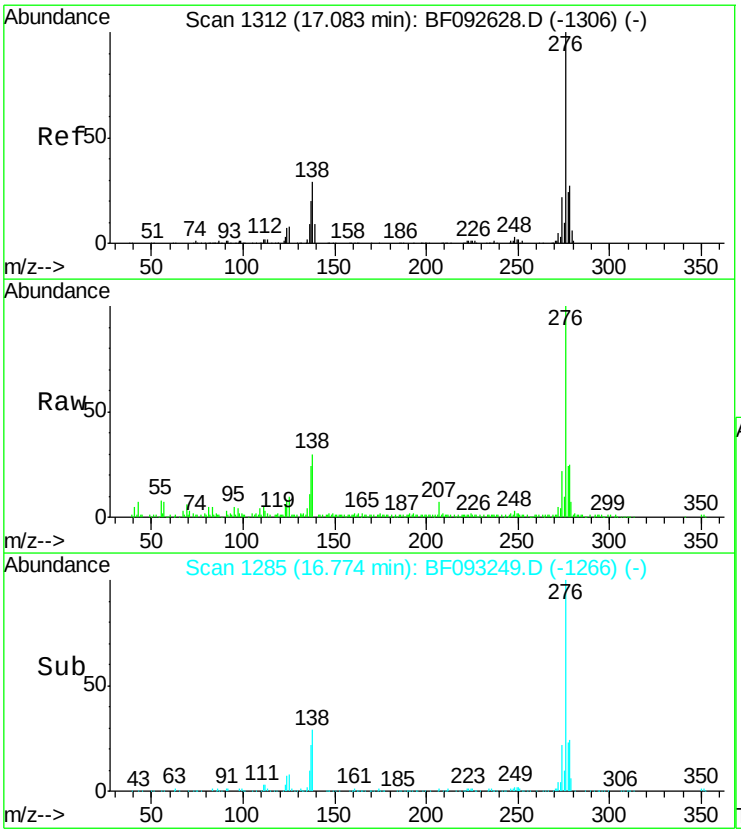
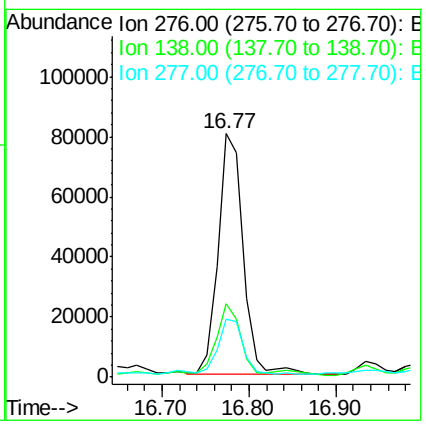
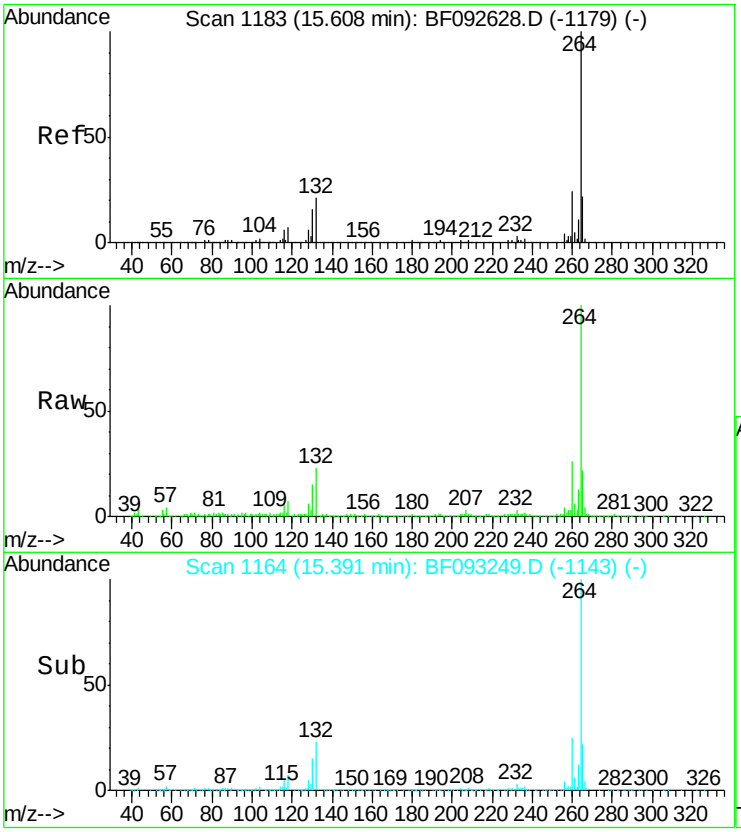


#85
Indeno(1,2,3-cd)pyrene
Concen: 12.22 ng
RT: 16.77 min Scan# 1285
Delta R.T. -0.08 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:276 Resp: 160730

Ion	Ratio	Lower	Upper
276	100		
138	28.3	21.8	32.6
277	23.9	20.2	30.4

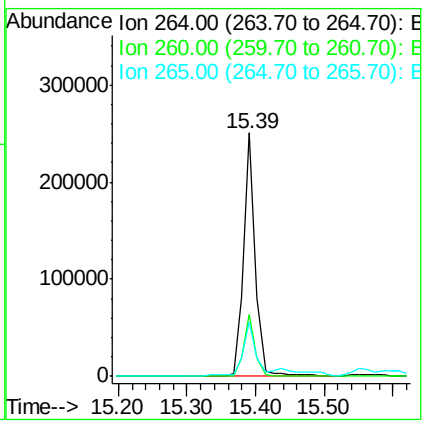




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:264 Resp: 301313

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	22.5	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
TK3-WC-20170227

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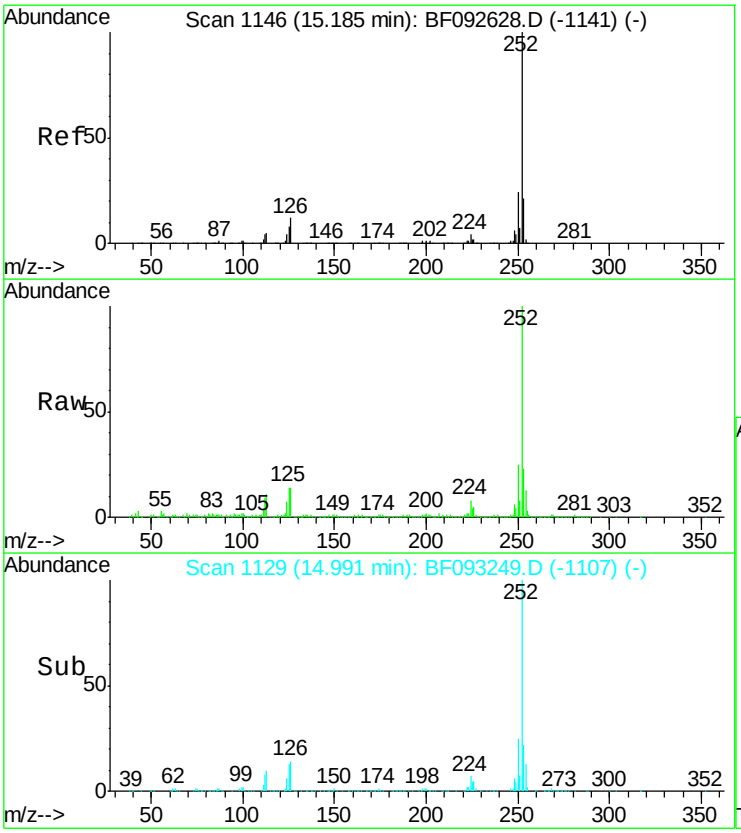
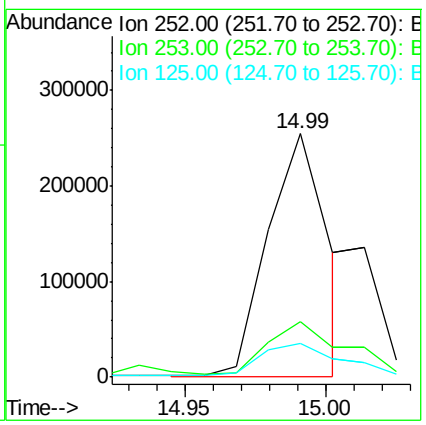
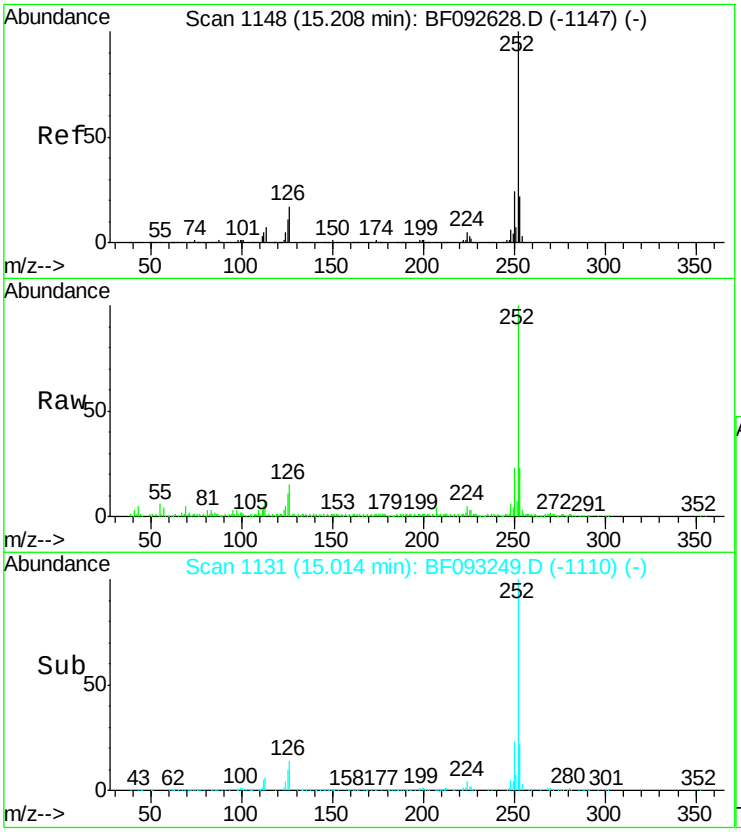


#87
Benzo(b)fluoranthene
Concen: 19.07 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:252 Resp: 378112

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	13.9	9.8	14.6

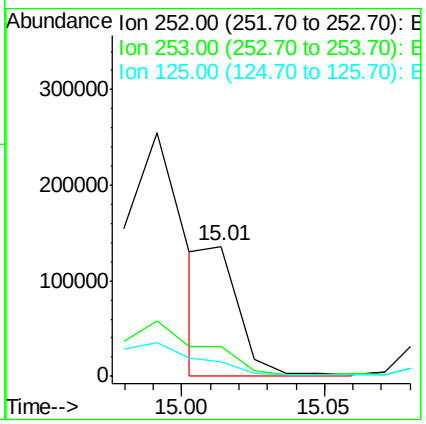




#88
Benzo(k)fluoranthene
Concen: 6.48 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:252 Resp: 111028

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	11.2	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
TK3-WC-20170227

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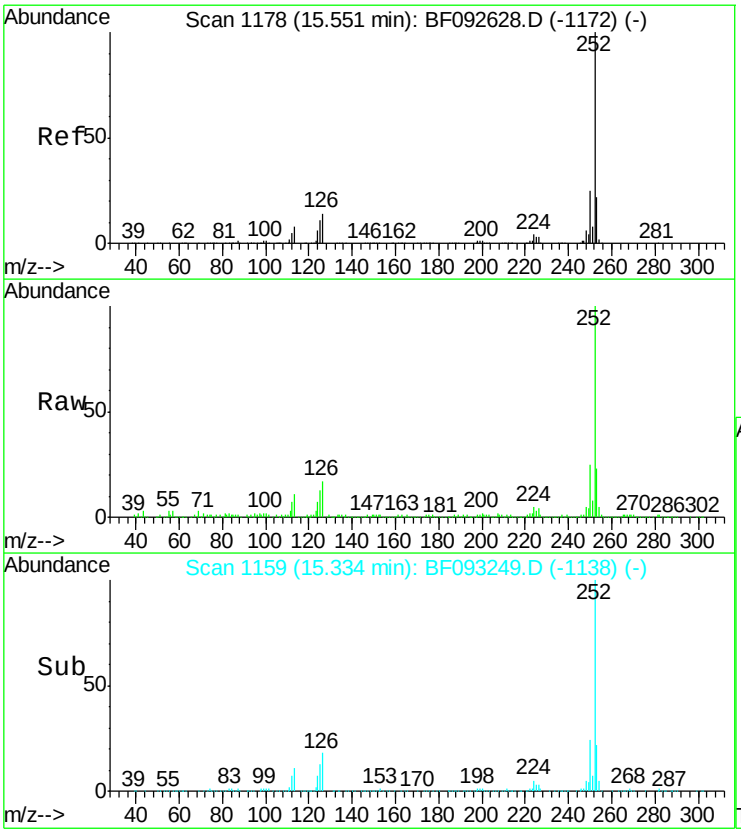
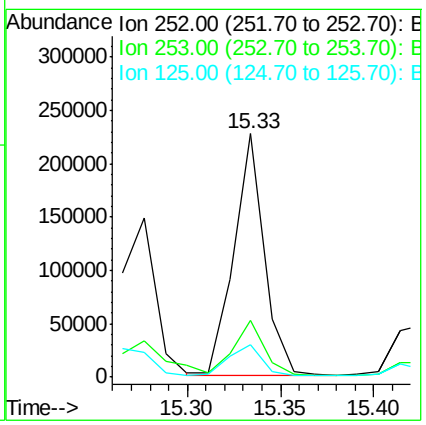
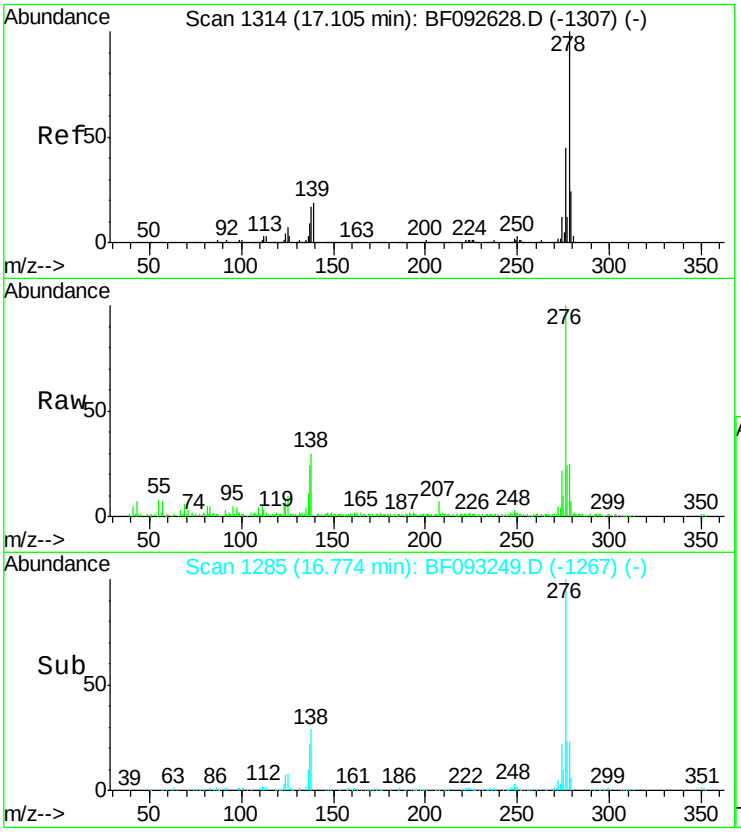


#89
Benzo(a)pyrene
Concen: 15.17 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.06 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:252 Resp: 260327

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	13.1	10.0	15.0





#90
Dibenzo(a,h)anthracene
Concen: 3.10 ng m
RT: 16.77 min Scan# 1285
Delta R.T. -0.09 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:278 Resp: 43002

Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	28.8	19.8	29.6

Instrument :
BNA_F
ClientSampleId :
TK3-WC-20170227

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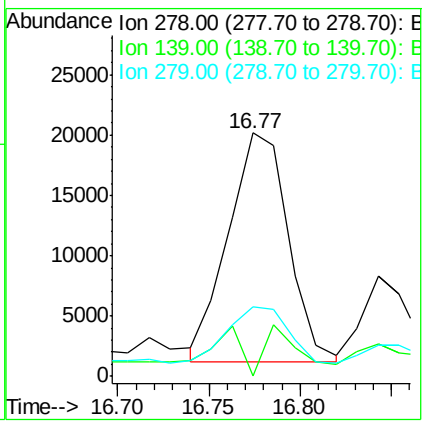

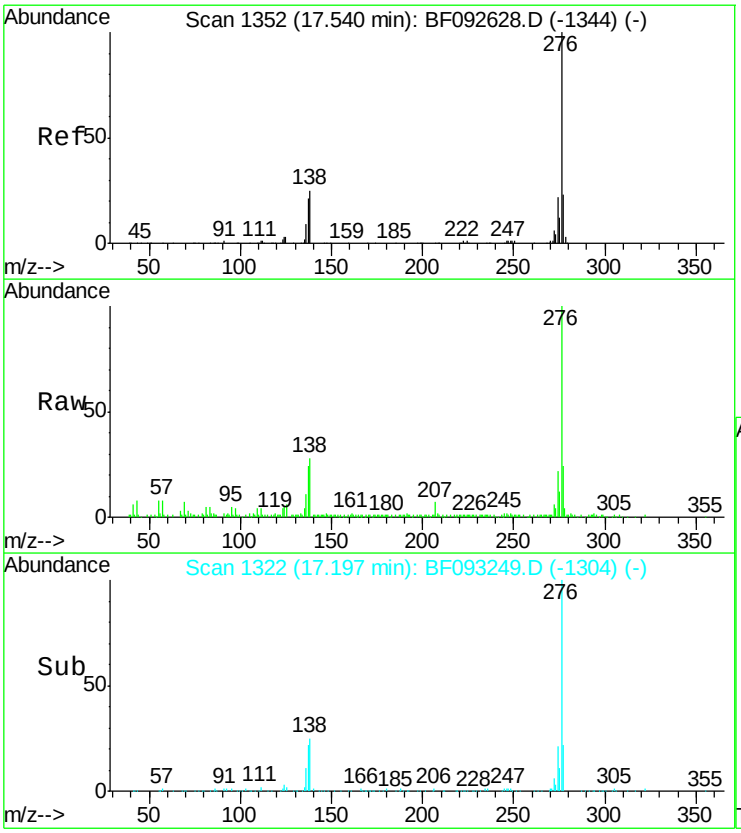

#91
Benzo(g,h,i)perylene
Concen: 10.44 ng
RT: 17.20 min Scan# 1322
Delta R.T. -0.09 min
Lab File: BF093249.D
Acq: 28 Feb 2017 15:32

Tgt Ion:276 Resp: 146185

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	28.3	16.0	24.0#