Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020717\
Data File : BF092829.D
Acq On : 7 Feb 2017 15:16
Operator : SJ/MA
Sample : I1701-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-1

Manual Integrations APPROVED
mohammad
2/8/2017 10:42:55 AM

Quant Time: Feb 07 16:26:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	143220	20.00	ng		-0.07
21) Naphthalene-d8	8.19	136	582421	20.00	ng		-0.07
38) Acenaphthene-d10	9.95	164	275978	20.00	ng		-0.06
63) Phenanthrene-d10	11.44	188	387416	20.00	ng		-0.06
75) Chrysene-d12	14.08	240	326646	20.00	ng		-0.07
86) Perylene-d12	15.53	264	247290	20.00	ng		-0.08
System Monitoring Compounds							
5) 2-Fluorophenol	5.52	112	381844	45.74	ng		-0.06
7) Phenol-d6	6.54	99	562670	52.38	ng		-0.06
23) Nitrobenzene-d5	7.47	82	676928	64.72	ng		-0.07
41) 2,4,6-Tribromophenol	10.74	330	72008	36.08	ng		-0.07
44) 2-Fluorobiphenyl	9.26	172	1067086	70.05	ng		-0.07
78) Terphenyl-d14	13.03	244	768485	55.28	ng		-0.06
Target Compounds							Qvalue
31) Naphthalene	8.21	128	86930	2.94	ng		97
49) Dimethylphthalate	9.66	163	90937	4.89	ng		100
51) Acenaphthene	9.97	154	34156	2.12	ng		98
70) Phenanthrene	11.46	178	297141	13.39	ng		97
71) Anthracene	11.50	178	71197	3.19	ng		97
74) Fluoranthene	12.65	202	293281	12.81	ng		93
77) Pyrene	12.88	202	242018	9.90	ng		98
80) Benzo(a)anthracene	14.07	228	114533m	5.73	ng		
82) Chrysene	14.10	228	104686m	5.60	ng		
85) Indeno(1,2,3-cd)pyrene	16.97	276	39280	2.71	ng	#	88
87) Benzo(b)fluoranthene	15.11	252	110134m	6.77	ng		
88) Benzo(k)fluoranthene	15.12	252	46952m	3.34	ng		
89) Benzo(a)pyrene	15.46	252	79120	5.62	ng	#	86
91) Benzo(g,h,i)perylene	17.40	276	45485	3.96	ng	#	80

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

Quantitation Report (QT/LSC Reviewed)

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ClientSampleId :
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Manual Integrations APPROVED
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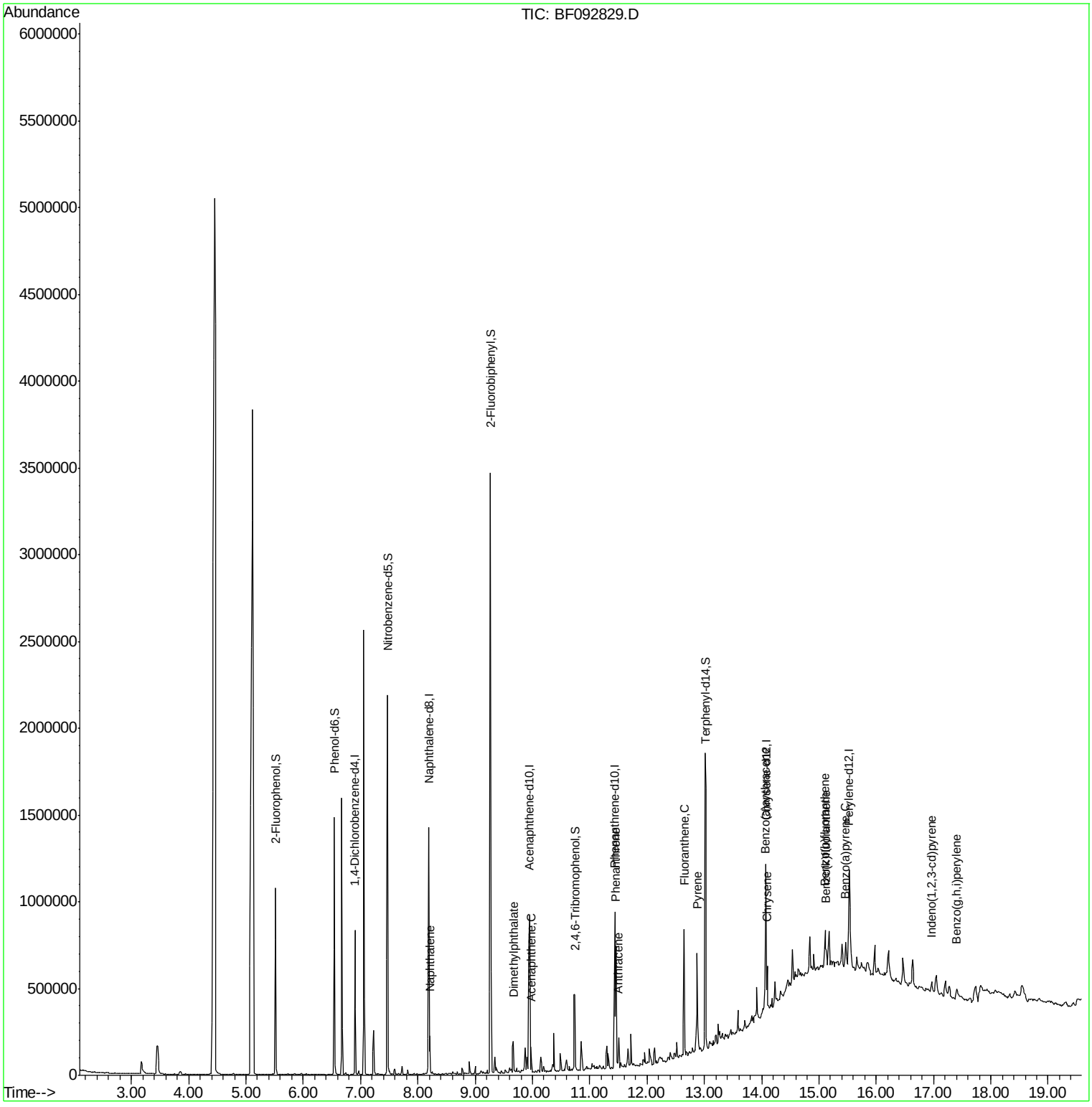
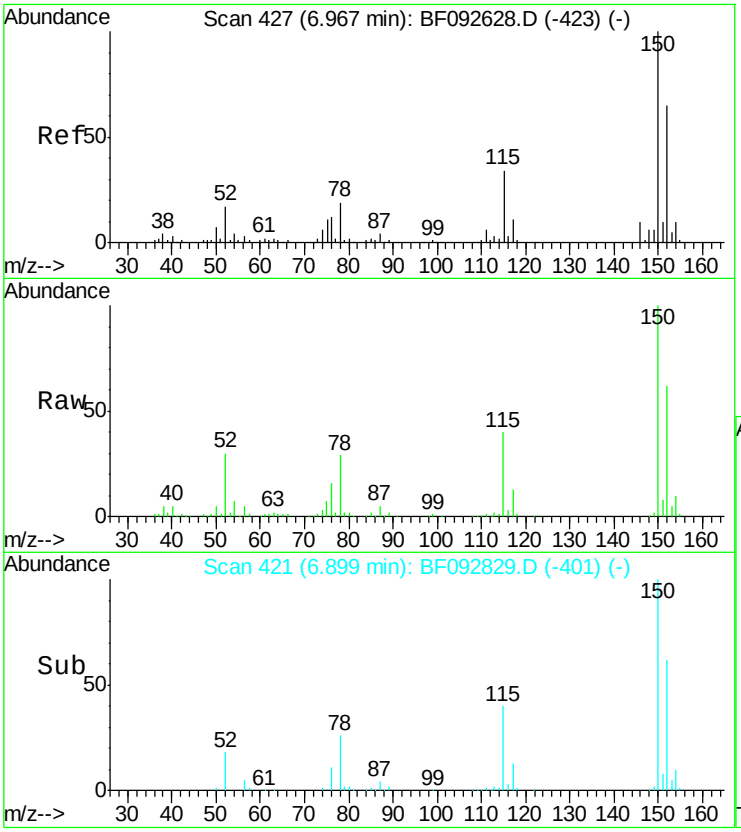
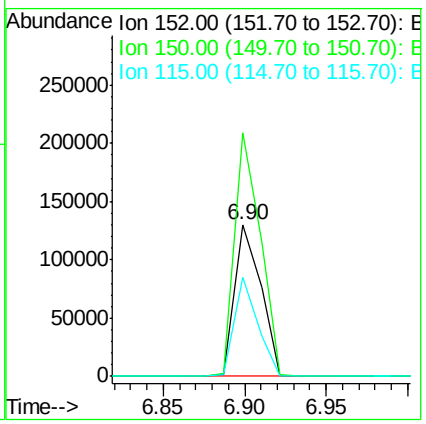




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:152 Resp: 143220

Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.9	187.3
115	65.0	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
C-1

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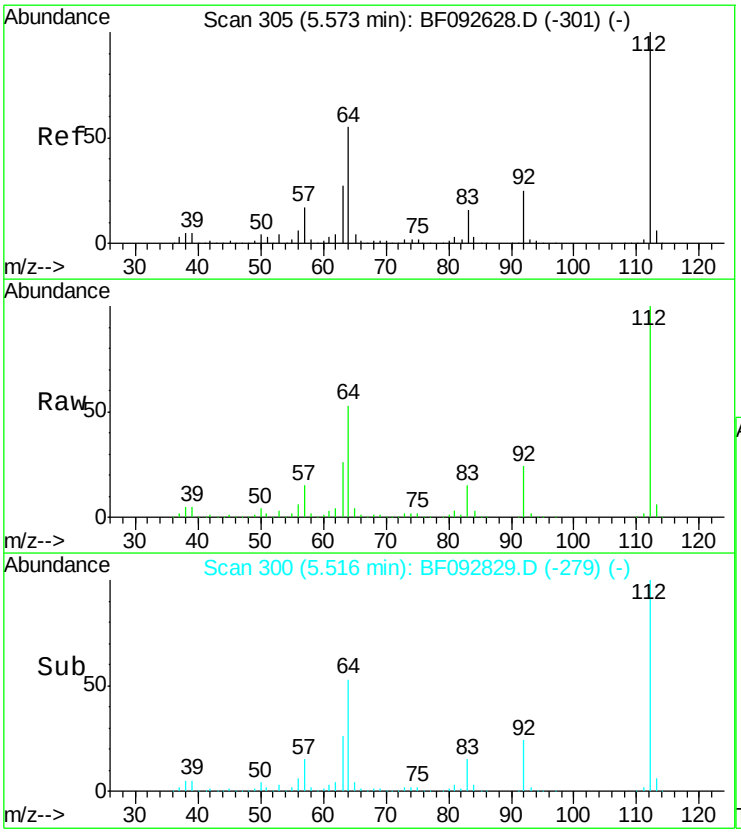
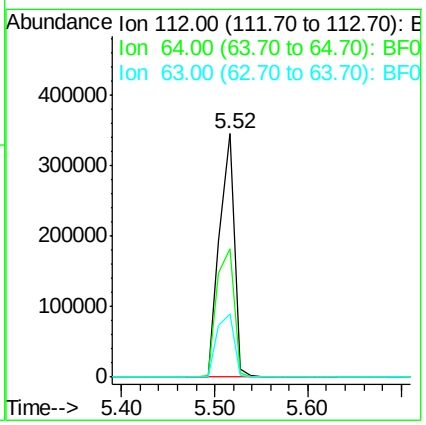
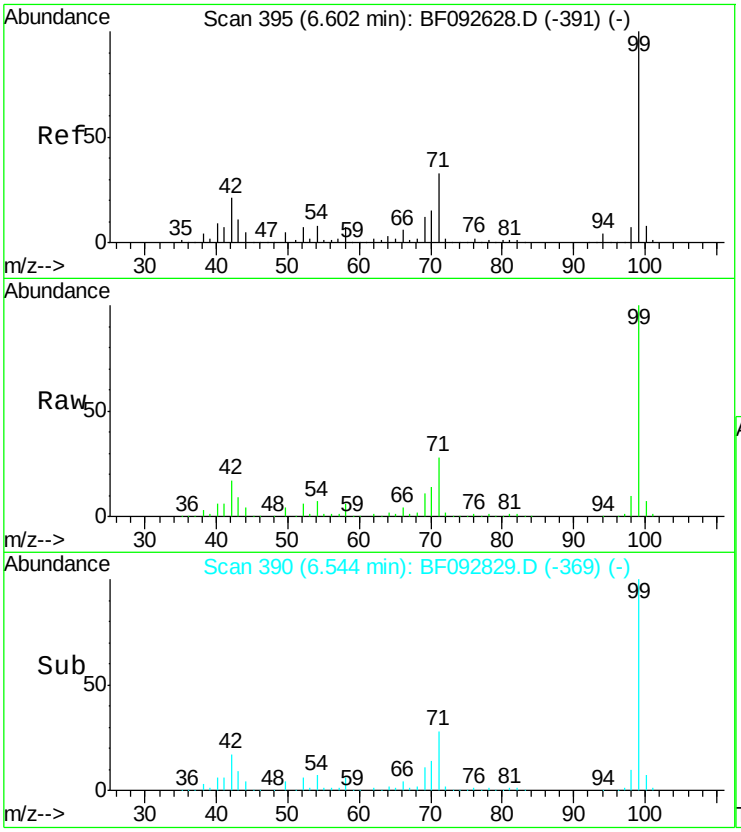


#5
2-Fluorophenol
Concen: 45.74 ng
RT: 5.52 min Scan# 300
Delta R.T. -0.06 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:112 Resp: 381844

Ion	Ratio	Lower	Upper
112	100		
64	52.9	46.1	69.1
63	26.0	23.8	35.6

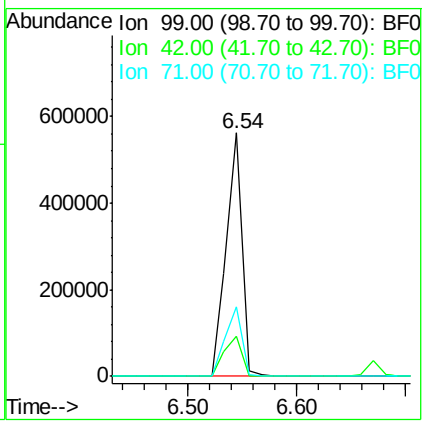




#7
Phenol-d6
Concen: 52.38 ng
RT: 6.54 min Scan# 390
Delta R.T. -0.06 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion: 99 Resp: 562670

Ion	Ratio	Lower	Upper
99	100		
42	16.5	15.6	23.4
71	28.4	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
C-1

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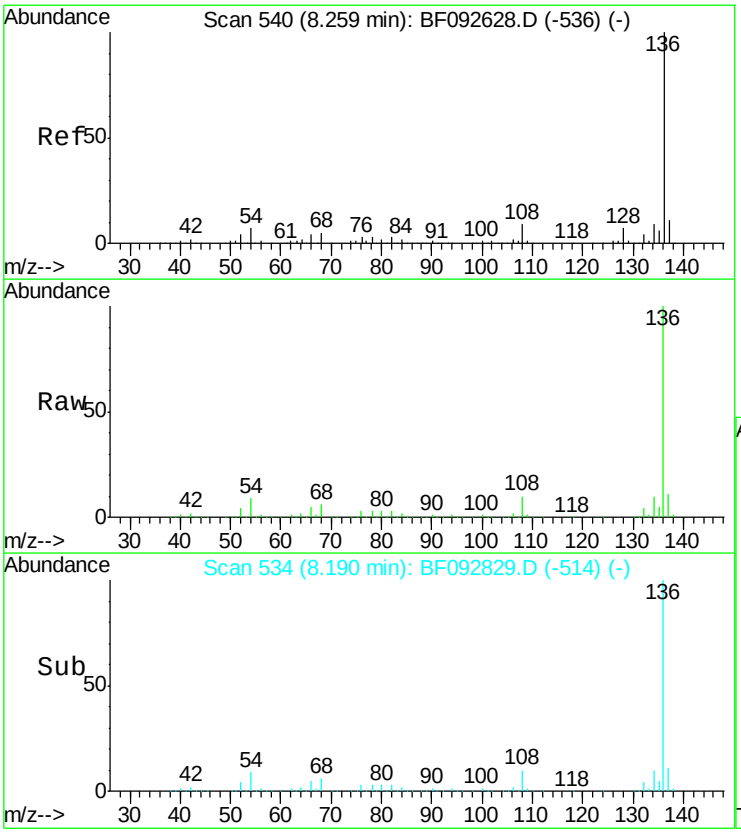
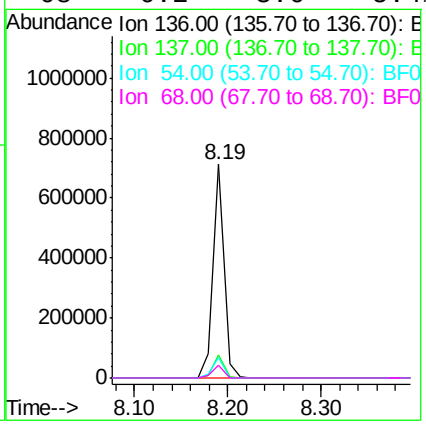
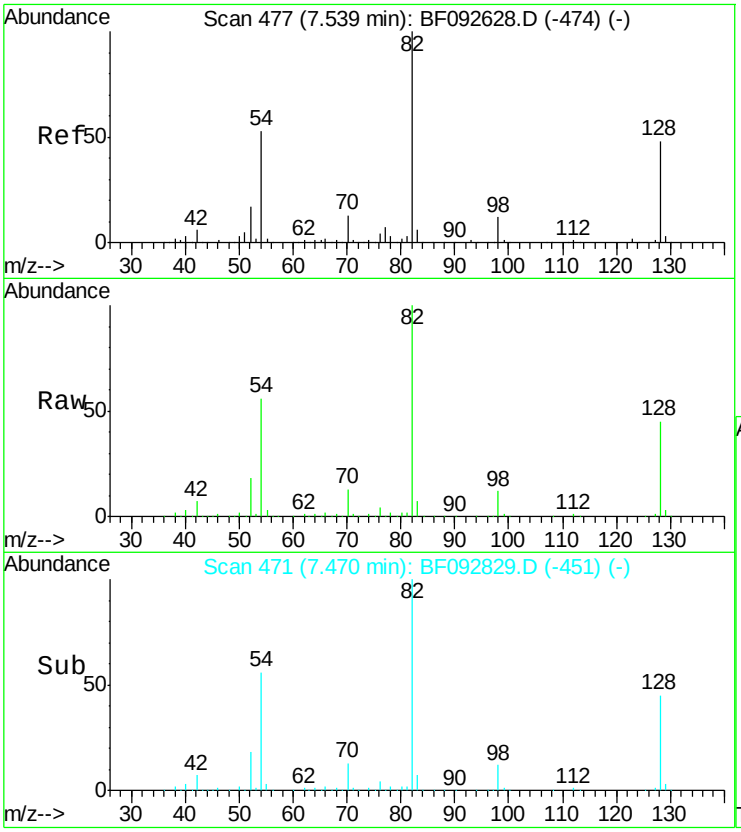


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:136 Resp: 582421

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	9.4	4.5	6.7#
68	6.2	3.6	5.4#

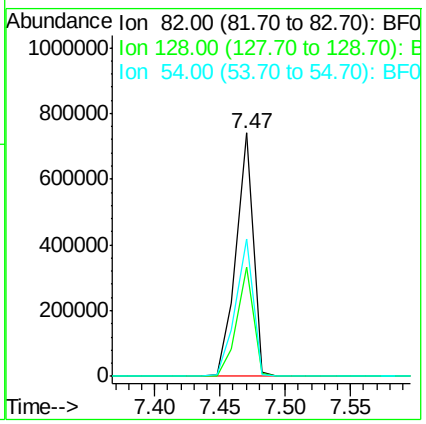




#23
Nitrobenzene-d5
Concen: 64.72 ng
RT: 7.47 min Scan# 471
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion: 82 Resp: 676928

Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.6	52.0
54	56.4	39.5	59.3



Instrument :
BNA_F
ClientSampleId :
C-1

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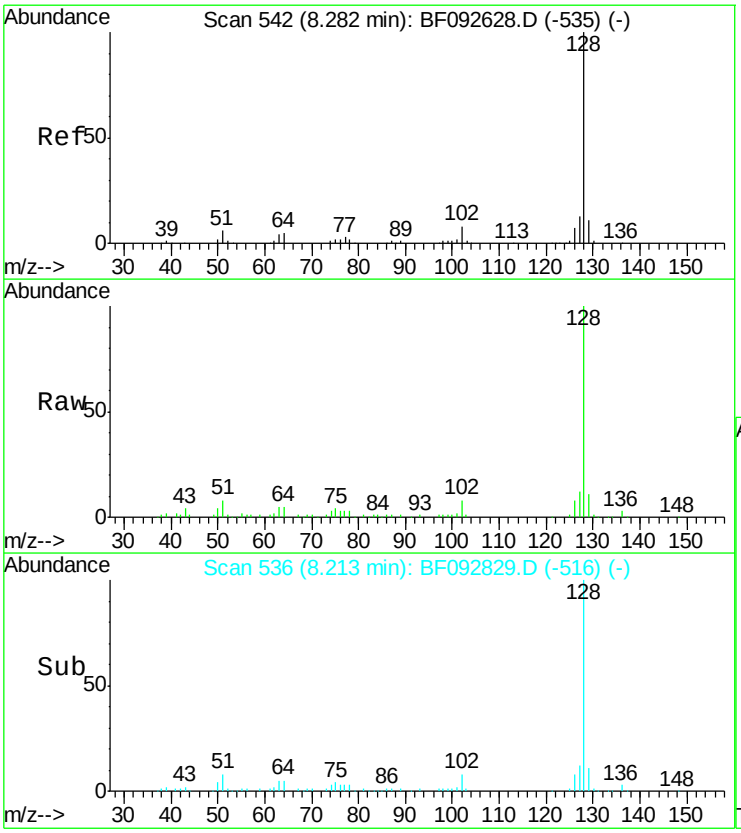
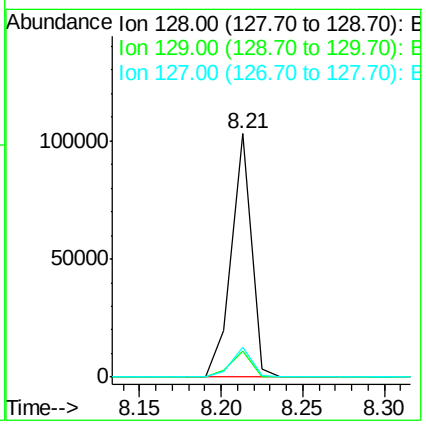
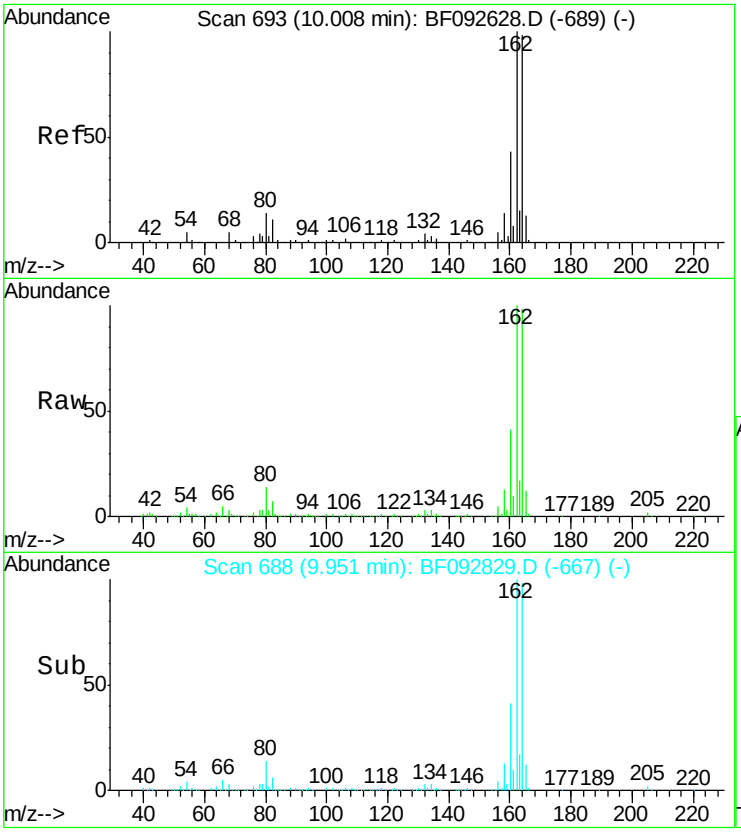


#31
Naphthalene
Concen: 2.94 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:128 Resp: 86930

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.5	14.3
127	12.4	10.8	16.2

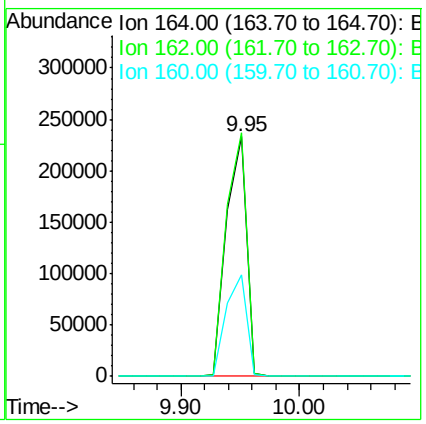




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.06 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:164 Resp: 275978

Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.2	120.2
160	42.2	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
C-1

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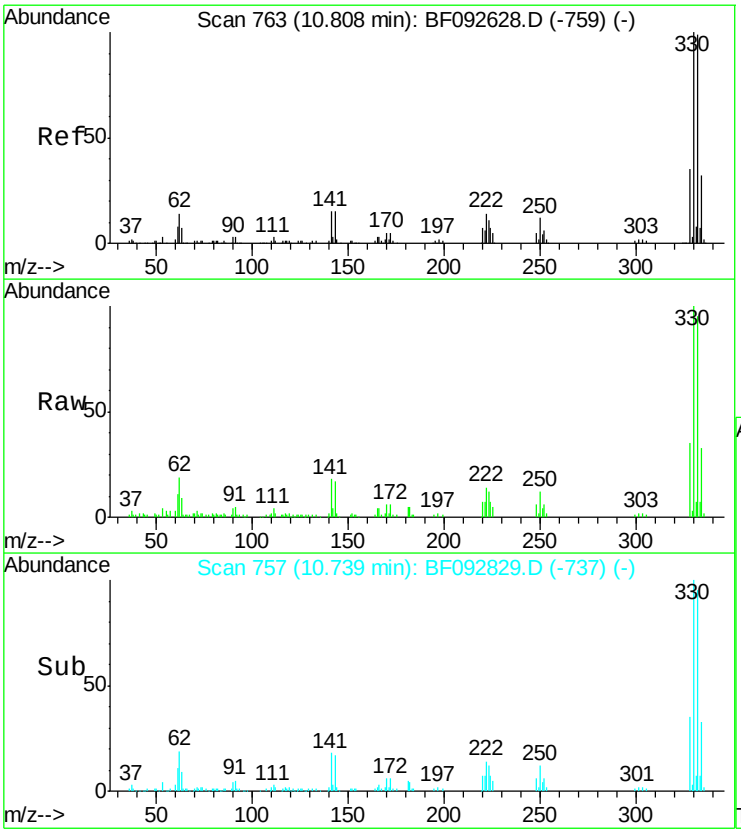
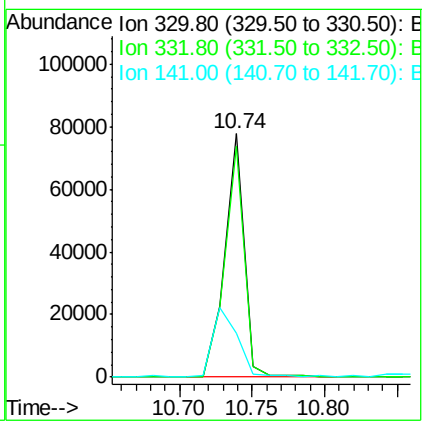
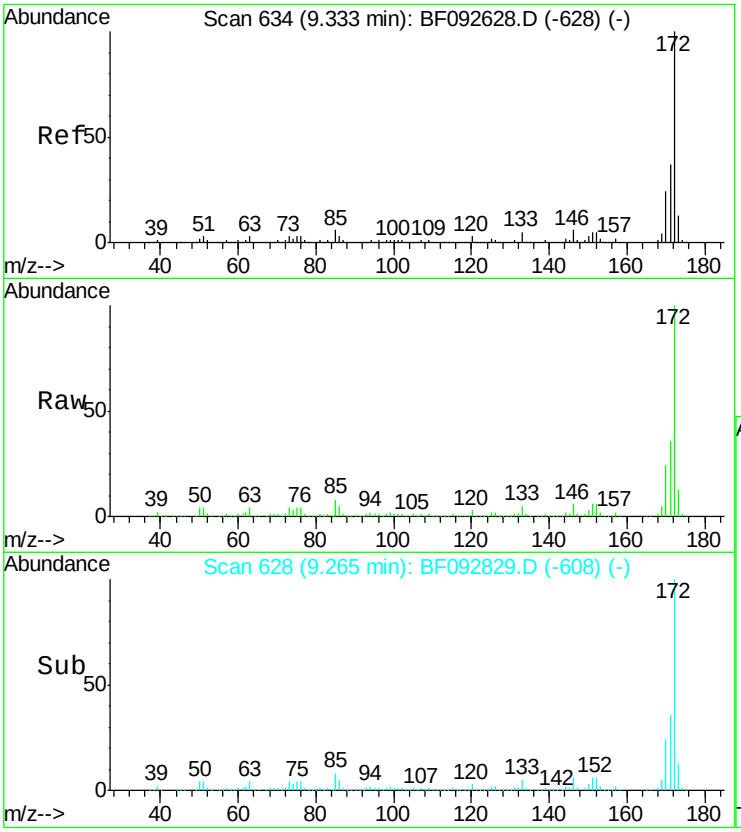


#41
2,4,6-Tribromophenol
Concen: 36.08 ng
RT: 10.74 min Scan# 757
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:330 Resp: 72008

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.2
141	36.9	34.1	51.1

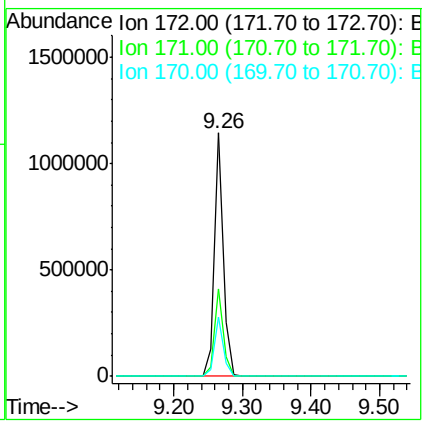




#44
2-Fluorobiphenyl
Concen: 70.05 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:172 Resp: 1067086

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



Instrument :
BNA_F
ClientSampleId :
C-1

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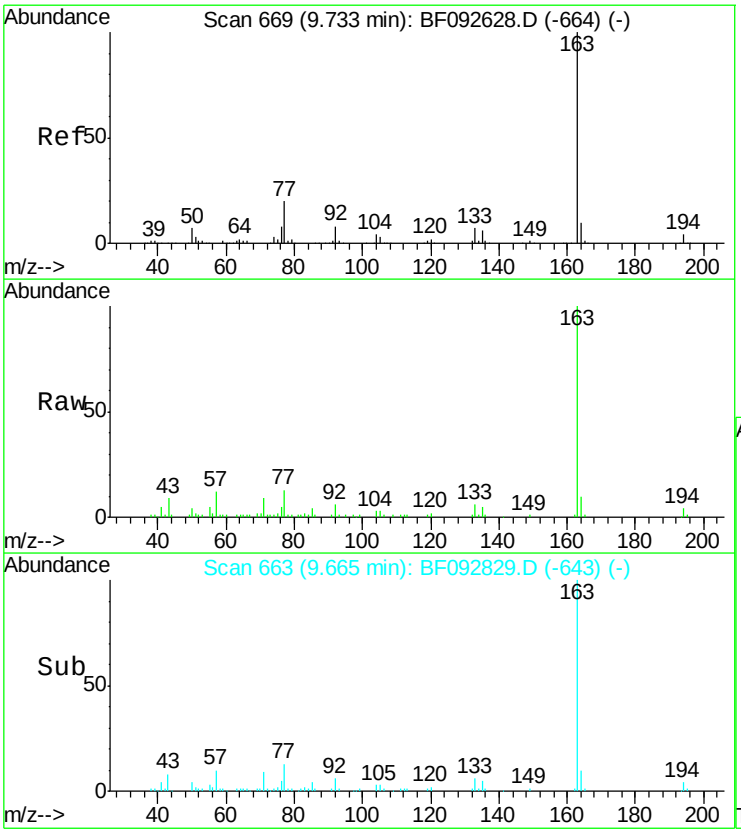
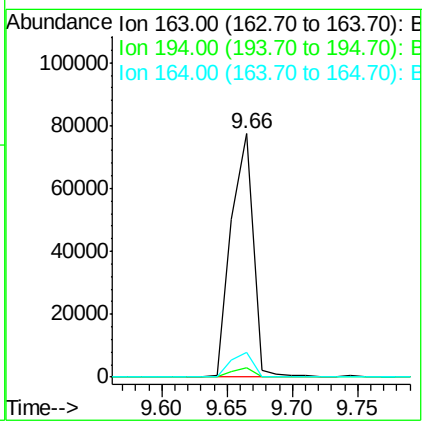
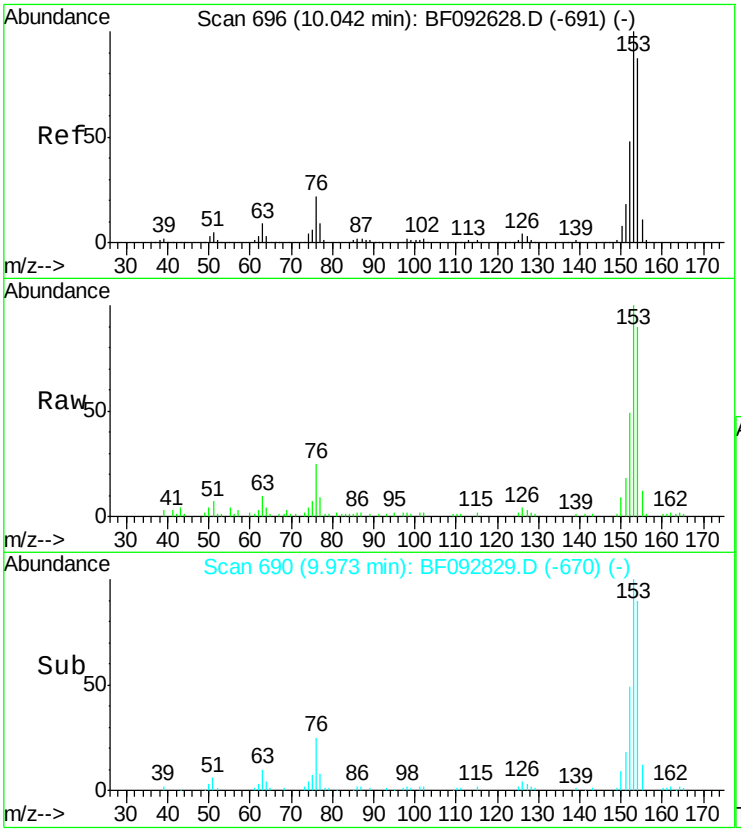


#49
Dimethylphthalate
Concen: 4.89 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:163 Resp: 90937

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.4
164	10.0	8.0	12.0

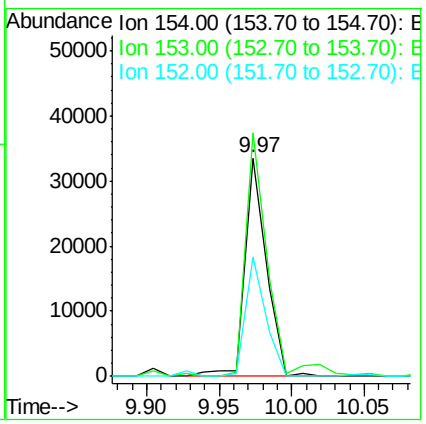




#51
Acenaphthene
Concen: 2.12 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:154 Resp: 34156

Ion	Ratio	Lower	Upper
154	100		
153	111.5	88.6	133.0
152	54.4	41.6	62.4



Instrument :
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ClientSampleId :
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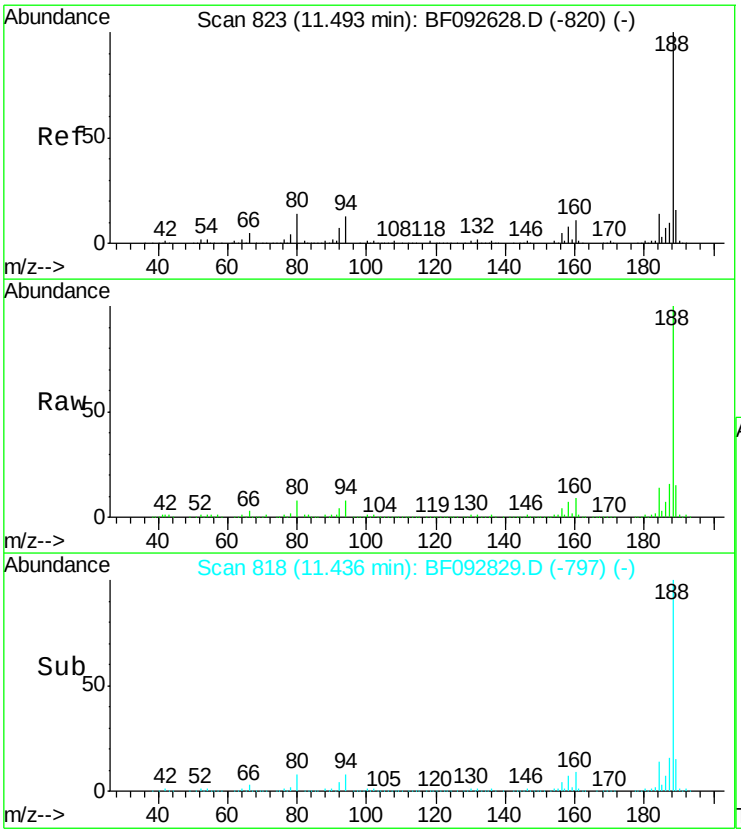
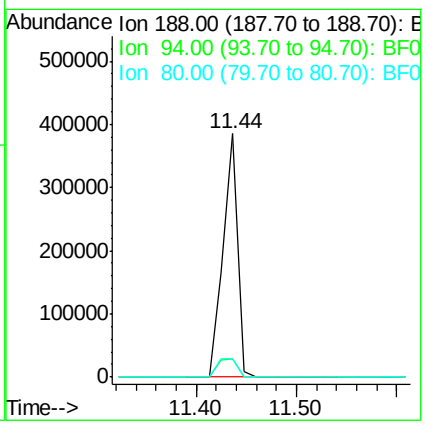
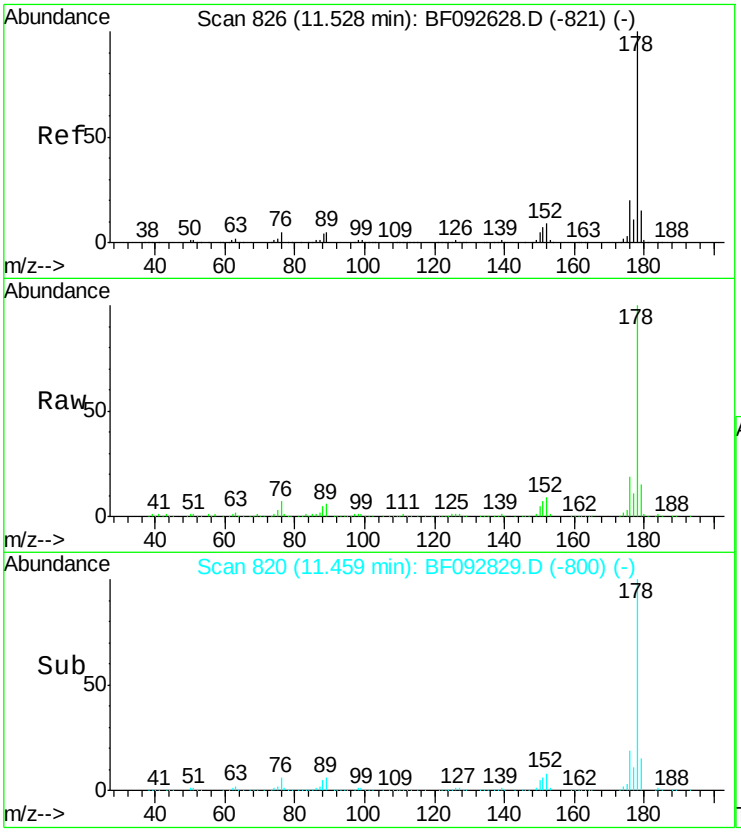


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.06 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:188 Resp: 387416

Ion	Ratio	Lower	Upper
188	100		
94	7.5	10.0	15.0#
80	7.6	11.2	16.8#

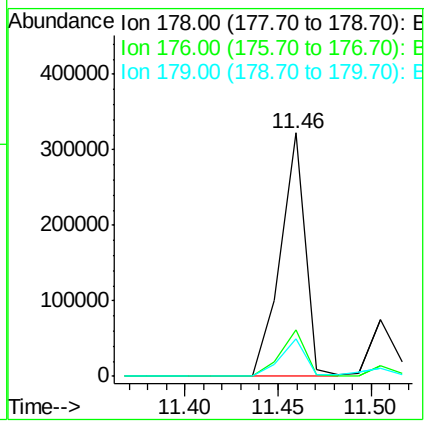




#70
Phenanthrene
Concen: 13.39 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:178 Resp: 297141

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.6	25.0
179	15.2	12.8	19.2



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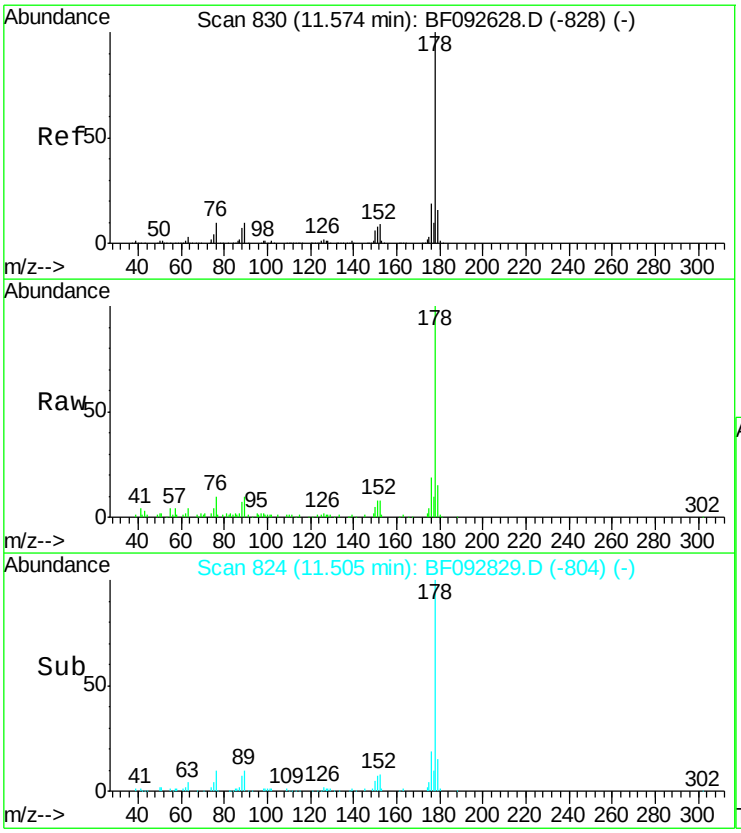
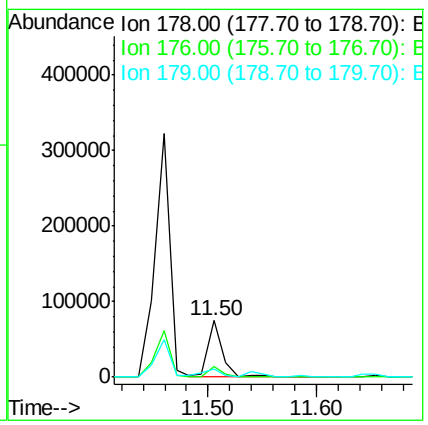
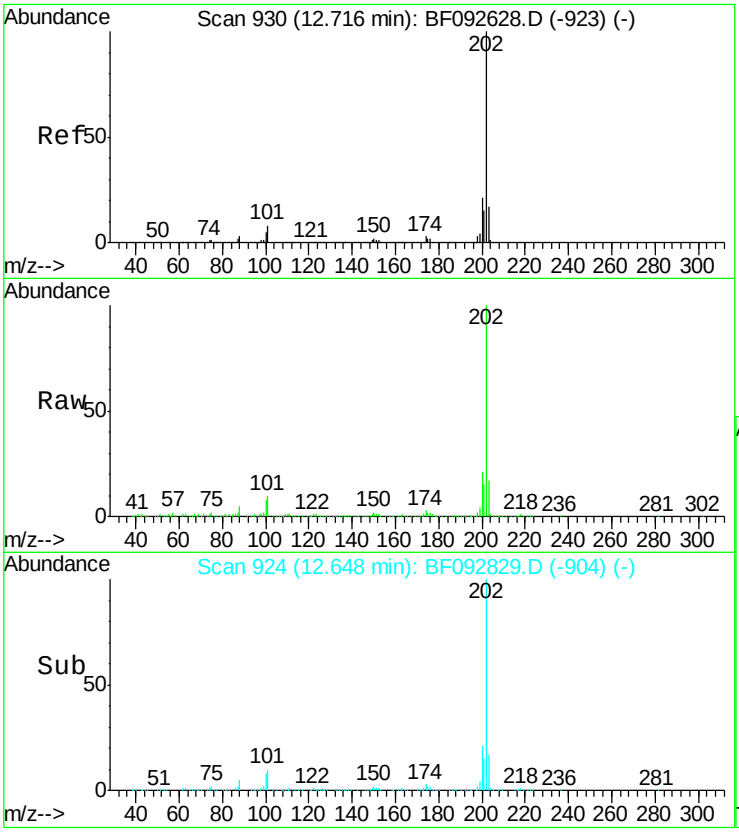


#71
Anthracene
Concen: 3.19 ng
RT: 11.50 min Scan# 824
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:178 Resp: 71197

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	15.4	13.2	19.8

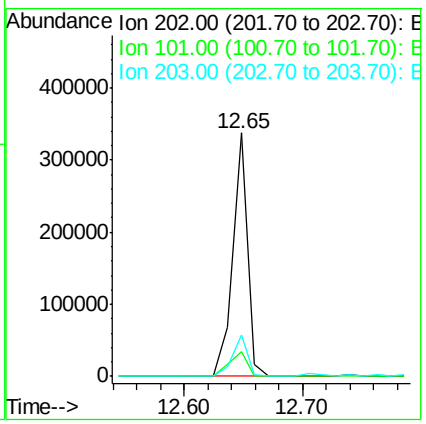




#74
Fluoranthene
Concen: 12.81 ng
RT: 12.65 min Scan# 924
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

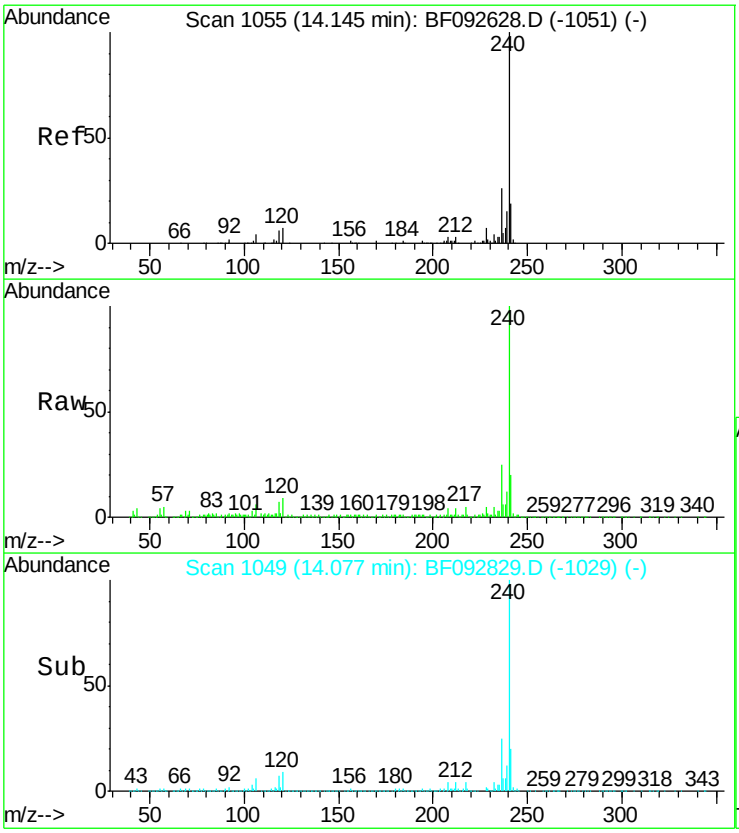
Tgt Ion:202 Resp: 293281

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	34.6
203	17.1	0.0	38.7



Instrument :
BNA_F
ClientSampleId :
C-1

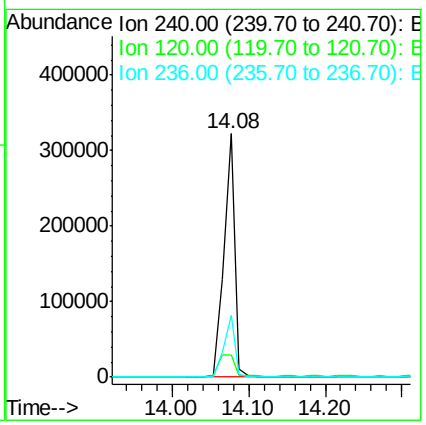
Manual Integrations APPROVED
mohammad
2/8/2017 10:42:55 AM

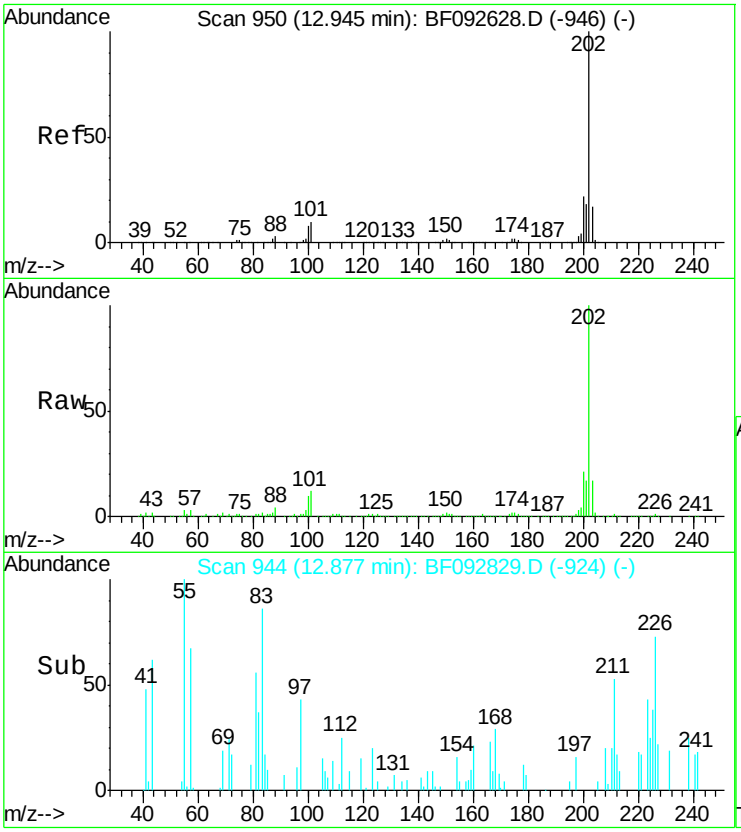


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1049
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:240 Resp: 326646

Ion	Ratio	Lower	Upper
240	100		
120	9.3	12.9	19.3#
236	25.3	20.9	31.3

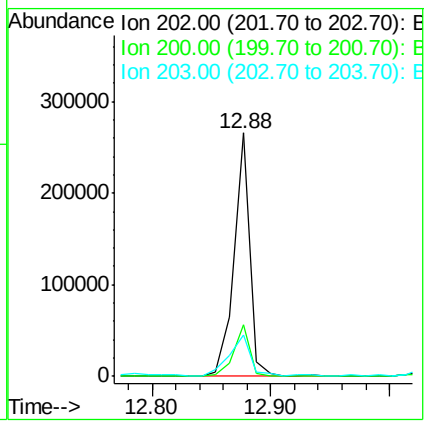




#77
Pyrene
Concen: 9.90 ng
RT: 12.88 min Scan# 944
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:202 Resp: 242018

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	17.2	14.7	22.1



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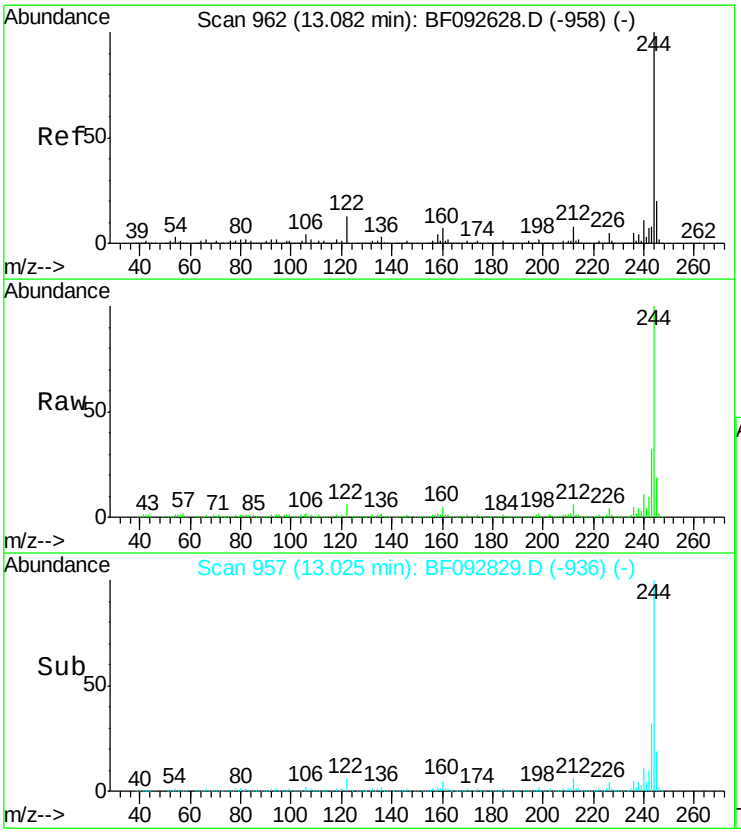
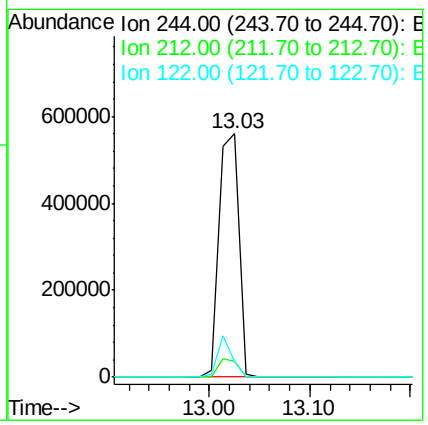
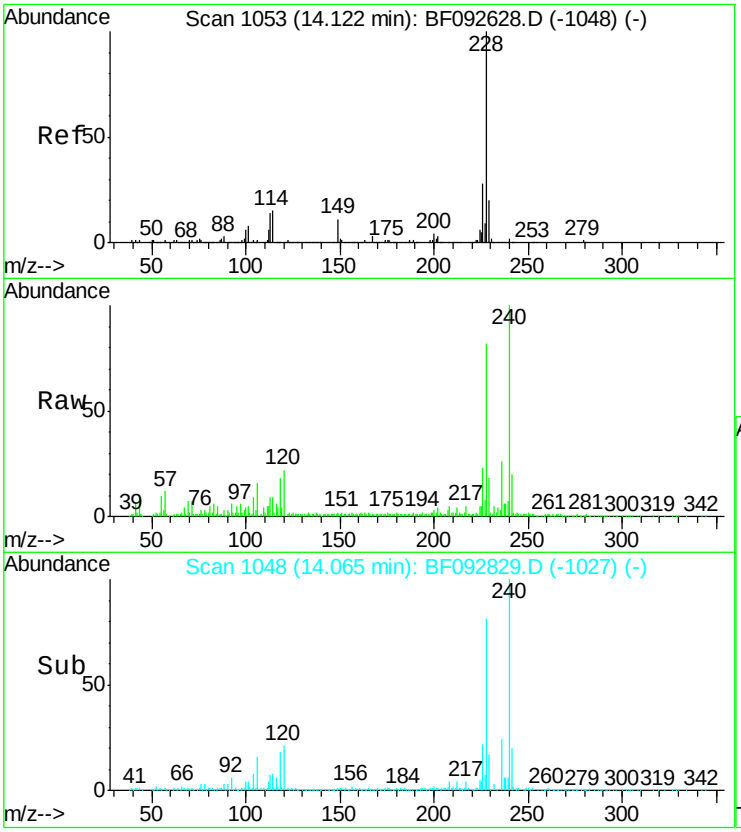


#78
Terphenyl-d14
Concen: 55.28 ng
RT: 13.03 min Scan# 957
Delta R.T. -0.06 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:244 Resp: 768485

Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.2	9.2
122	6.4	11.4	17.2#

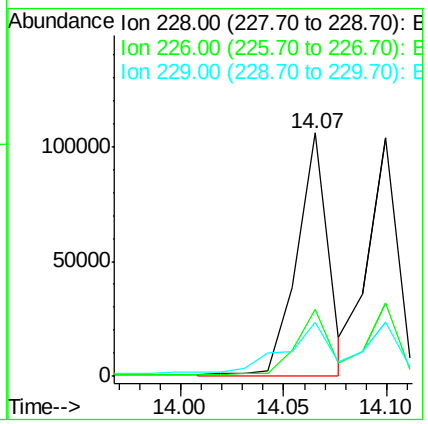




#80
Benzo(a)anthracene
Concen: 5.73 ng m
RT: 14.07 min Scan# 1048
Delta R.T. -0.06 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:228 Resp: 114533

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.4	33.6
229	22.4	16.2	24.4



Instrument :
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ClientSampleId :
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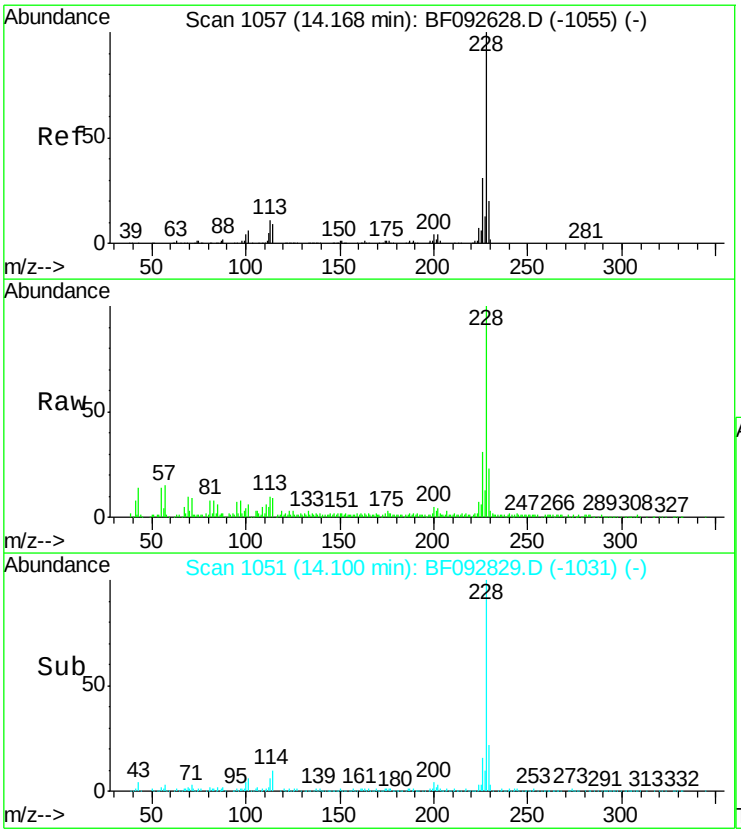
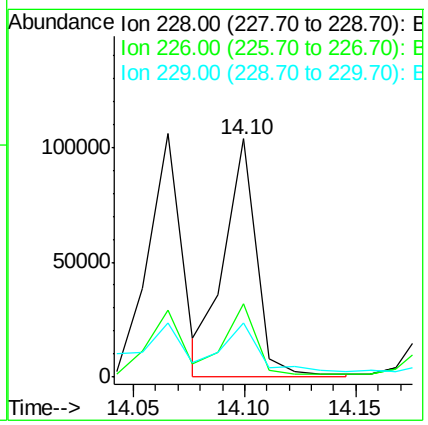
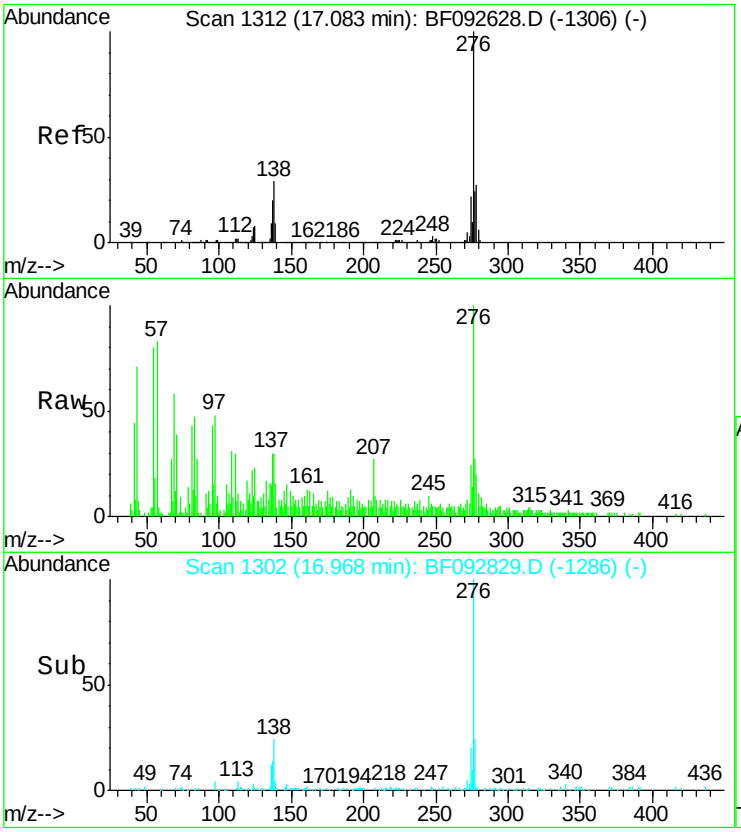


#82
Chrysene
Concen: 5.60 ng m
RT: 14.10 min Scan# 1051
Delta R.T. -0.07 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:228 Resp: 104686

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.0
229	22.9	16.2	24.2





#85
Indeno(1,2,3-cd)pyrene
Concen: 2.71 ng
RT: 16.97 min Scan# 1302
Delta R.T. -0.11 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:276 Resp: 39280

Ion	Ratio	Lower	Upper
276	100		
138	32.2	21.8	32.6
277	33.1	20.2	30.4#

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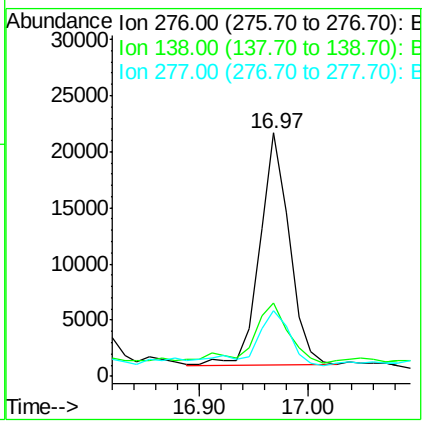
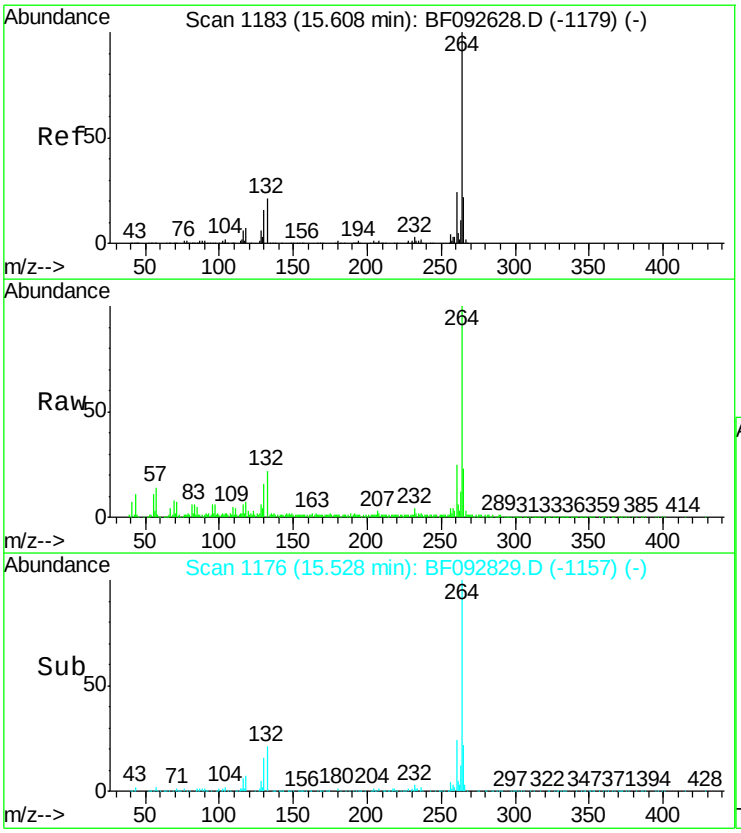
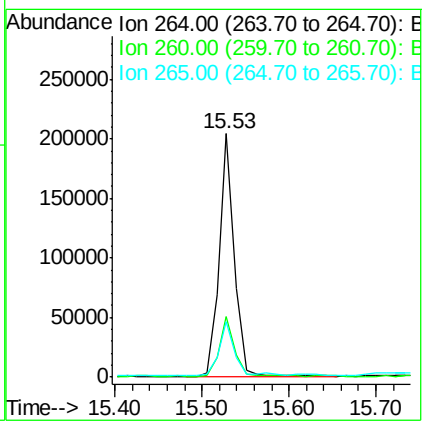


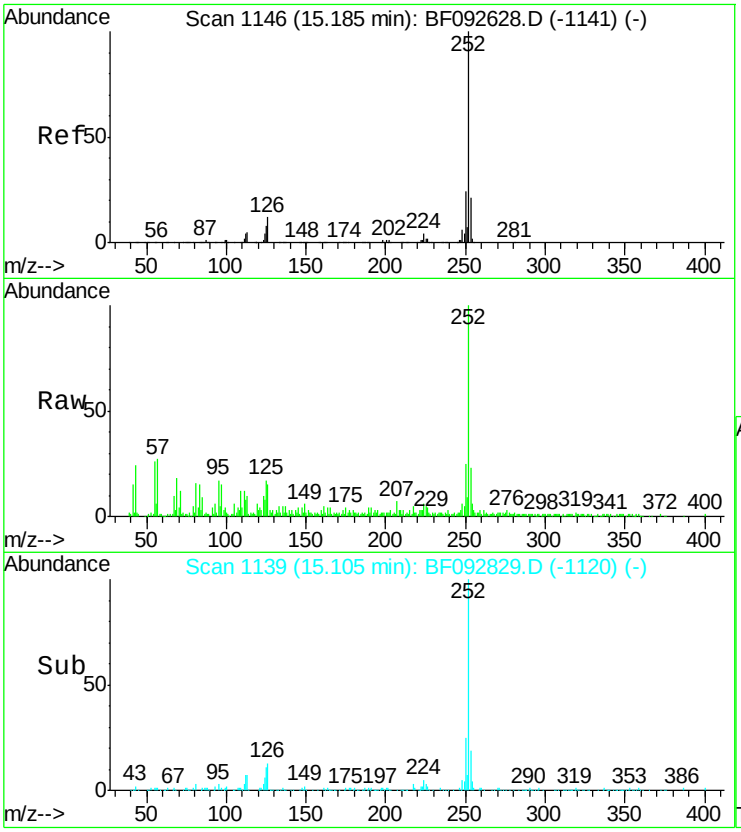


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:264 Resp: 247290

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.6	17.4	26.0

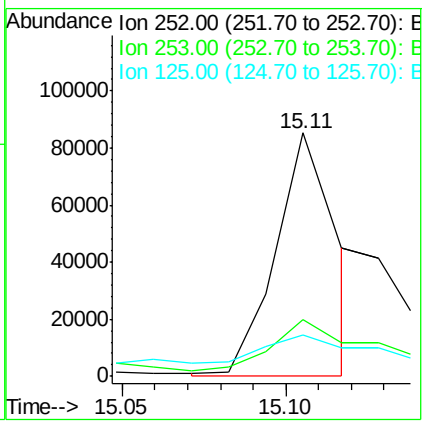




#87
Benzo(b)fluoranthene
Concen: 6.77 ng m
RT: 15.11 min Scan# 1139
Delta R.T. -0.08 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:252 Resp: 110134

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	16.7	9.8	14.6#



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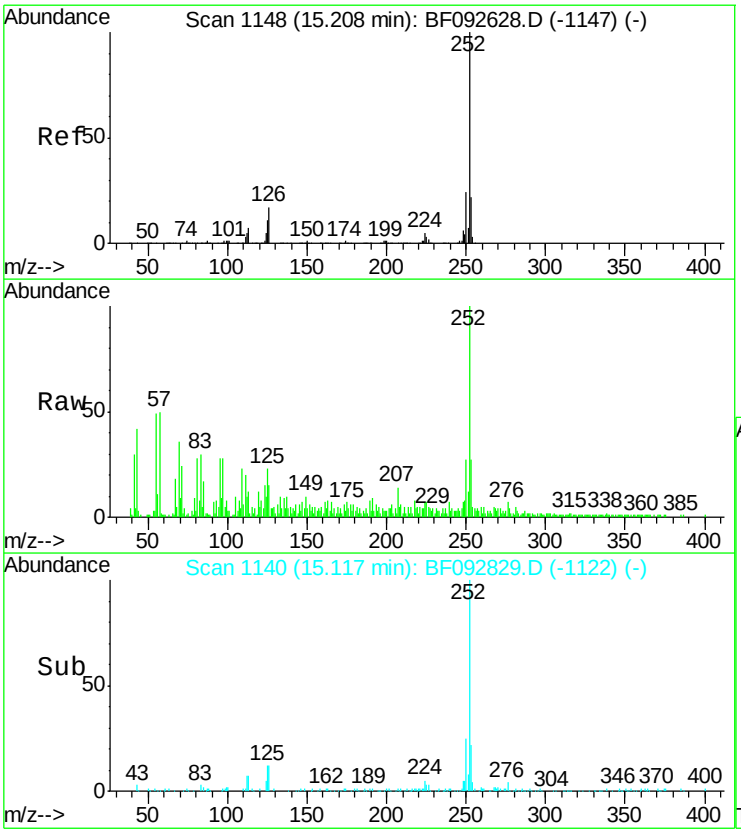
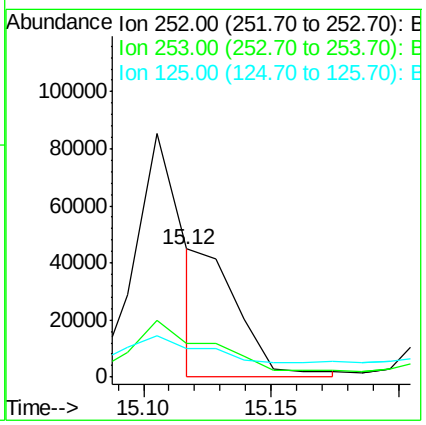
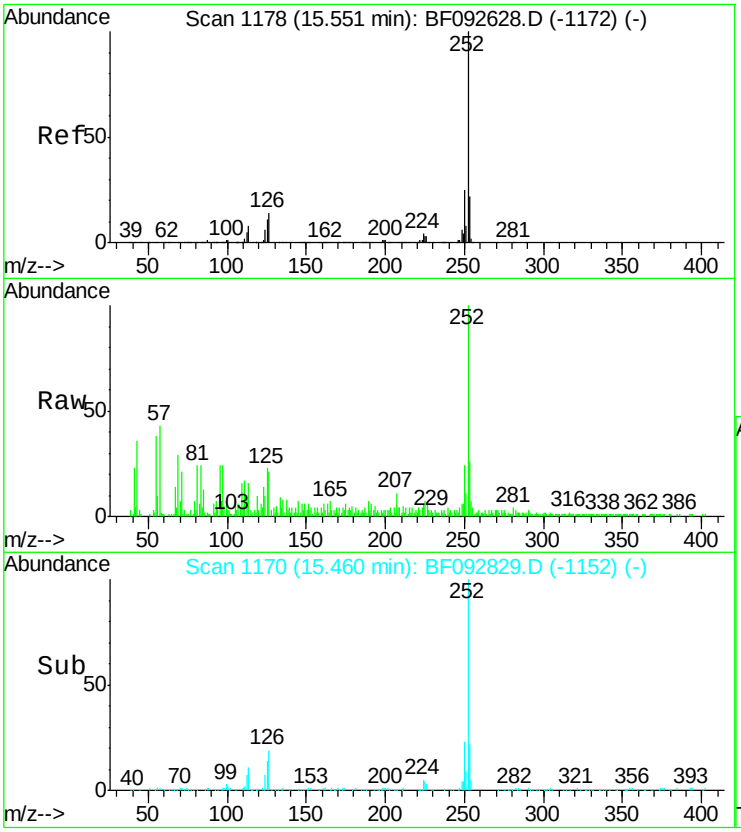


#88
Benzo(k)fluoranthene
Concen: 3.34 ng m
RT: 15.12 min Scan# 1140
Delta R.T. -0.09 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:252 Resp: 46952

Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.5	27.7
125	22.6	8.9	13.3#





#89
Benzo(a)pyrene
Concen: 5.62 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.09 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:252 Resp: 79120

Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.2	27.2
125	23.0	10.0	15.0#

Instrument :
BNA_F
ClientSampleId :
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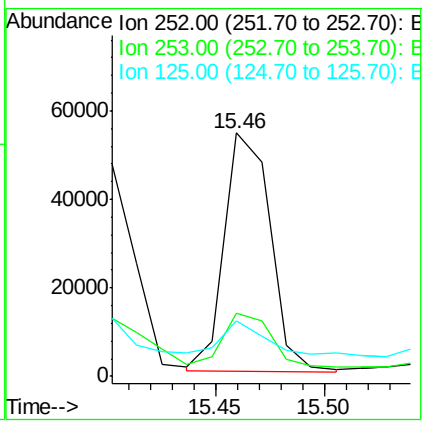

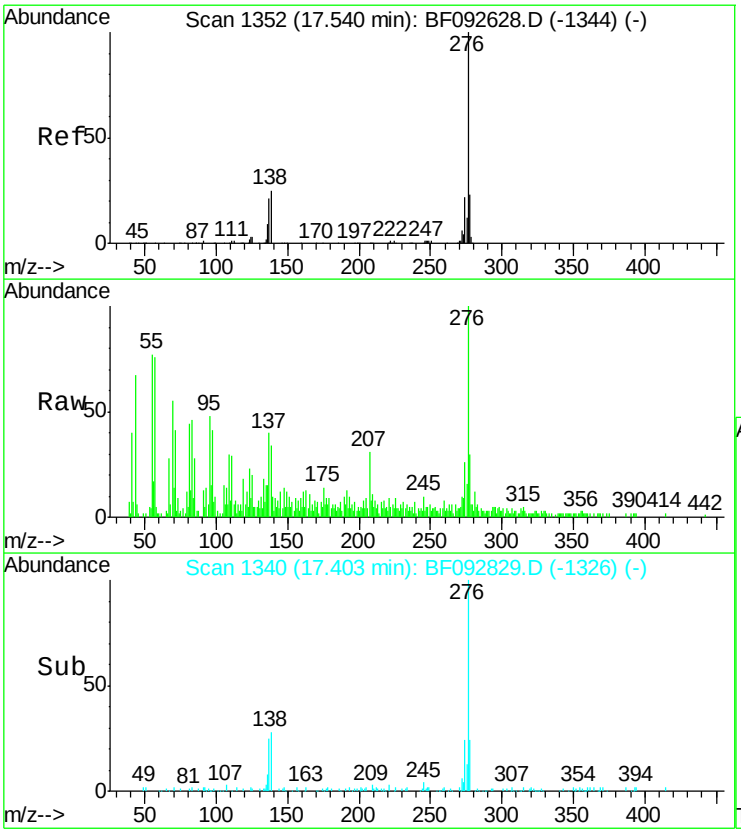

#91
Benzo(g,h,i)perylene
Concen: 3.96 ng
RT: 17.40 min Scan# 1340
Delta R.T. -0.14 min
Lab File: BF092829.D
Acq: 7 Feb 2017 15:16

Tgt Ion:276 Resp: 45485

Ion	Ratio	Lower	Upper
276	100		
277	30.3	19.2	28.8#
138	33.6	16.0	24.0#