Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079494.D
Acq On : 27 May 2015 00:58
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Manual Integrations APPROVED
apatel
5/27/2015 2:01:39 PM

Quant Time: May 27 11:12:14 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 27 01:32:46 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	80155	20.00	ng		0.00
21) Naphthalene-d8	8.59	136	331902	20.00	ng		0.00
38) Acenaphthene-d10	10.77	164	166384	20.00	ng		0.00
63) Phenanthrene-d10	12.61	188	322968	20.00	ng		0.01
75) Chrysene-d12	15.89	240	355122	20.00	ng		0.01
86) Perylene-d12	17.63	264	376387	20.00	ng		0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.30	112	758656m	164.17	ng		0.00
7) Phenol-d6	6.62	99	1000724	169.89	ng		0.00
23) Nitrobenzene-d5	7.72	82	560187	97.57	ng		0.01
41) 2,4,6-Tribromophenol	11.75	330	293745	160.73	ng		0.00
44) 2-Fluorobiphenyl	9.94	172	1035997	88.83	ng		0.00
78) Terphenyl-d14	14.59	244	1295535	85.62	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	10.46	163	89670	7.31	ng		99
70) Phenanthrene	12.63	178	264473	14.93	ng		100
71) Anthracene	12.70	178	82717	4.60	ng		99
74) Fluoranthene	14.10	202	513277	27.01	ng		96
77) Pyrene	14.38	202	465397	21.15	ng	#	95
80) Benzo(a)anthracene	15.87	228	260267	12.74	ng		98
82) Chrysene	15.92	228	192074	9.89	ng		98
85) Indeno(1,2,3-cd)pyrene	18.96	276	134635	5.39	ng		96
87) Benzo(b)fluoranthene	17.19	252	264488m	12.32	ng		
88) Benzo(k)fluoranthene	17.21	252	98110m	5.11	ng		
89) Benzo(a)pyrene	17.57	252	204068	9.32	ng		98
91) Benzo(g,h,i)perylene	19.35	276	124942	3.69	ng		98

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

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Manual Integrations APPROVED
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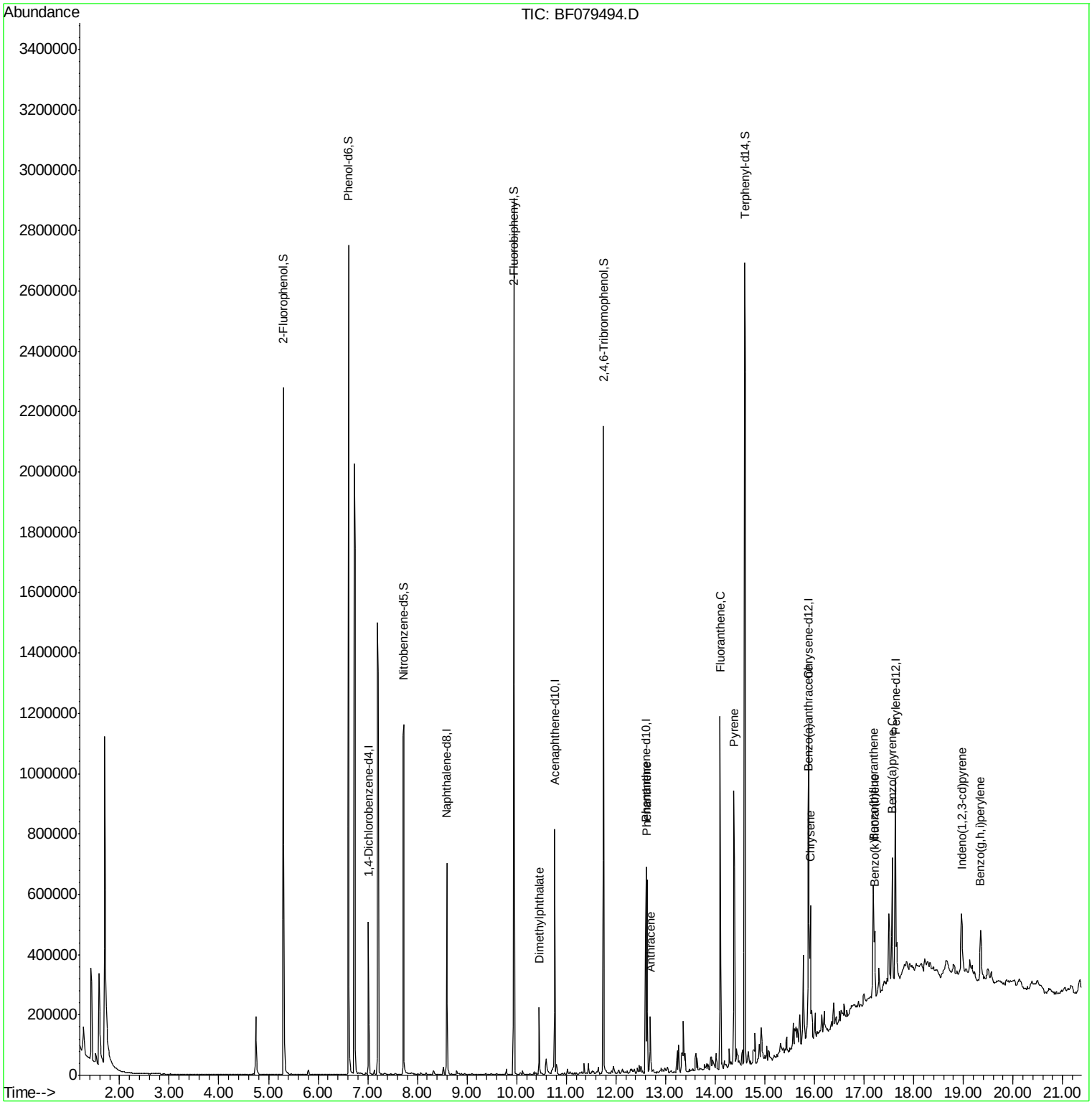
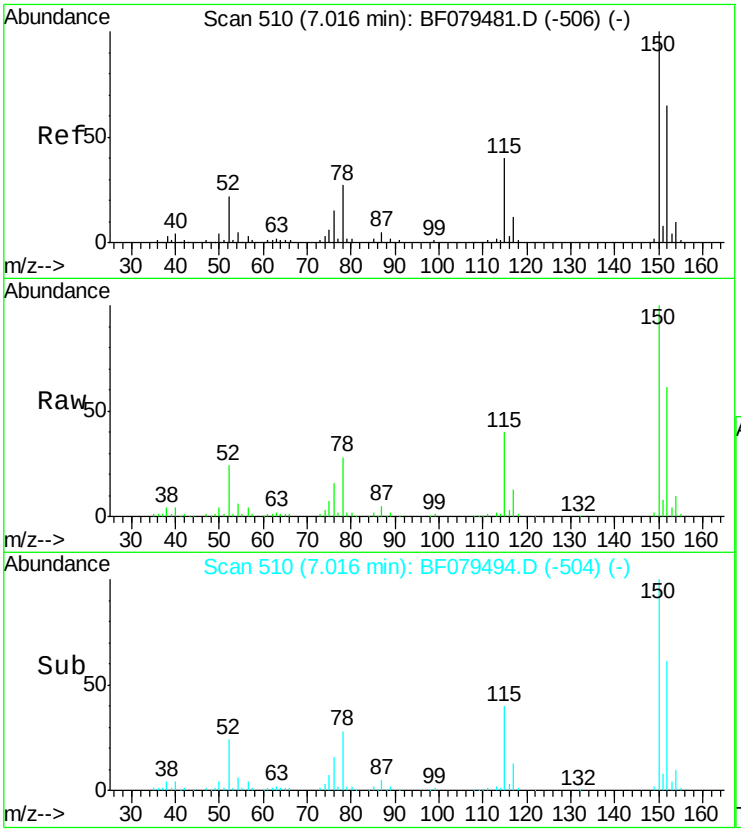
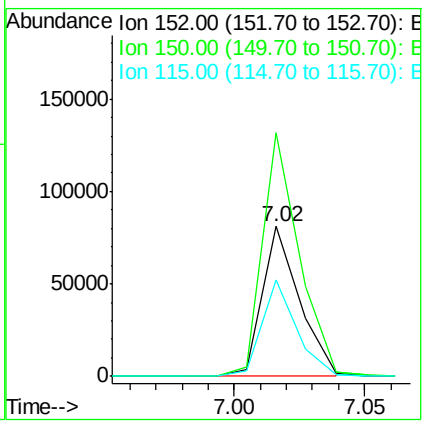




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.02 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:152 Resp: 80155

Ion	Ratio	Lower	Upper
152	100		
150	162.8	124.0	186.0
115	64.4	49.6	74.4



Instrument :
BNA_F
ClientSampleId :
SB-31S

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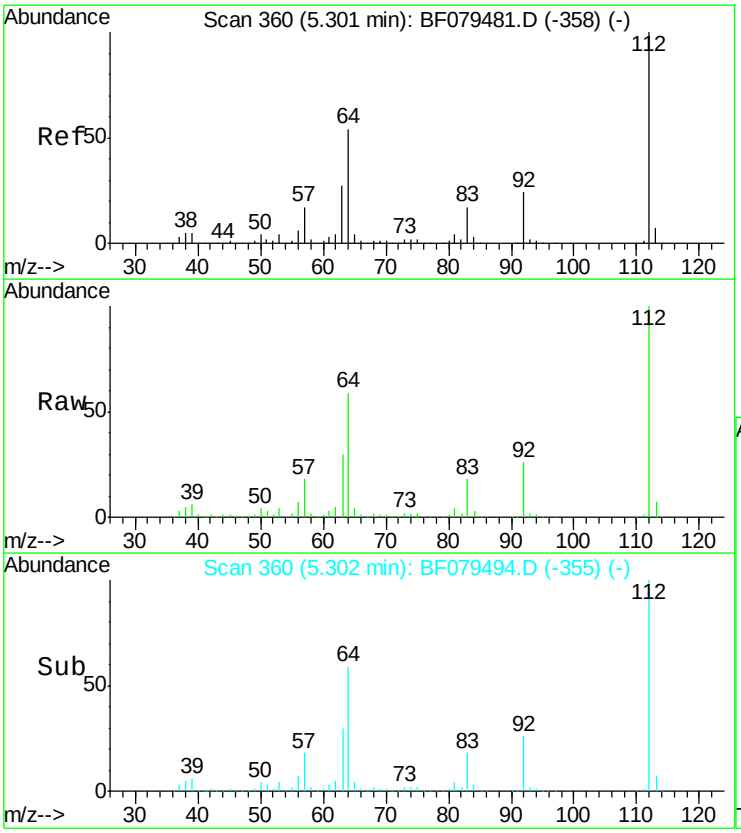
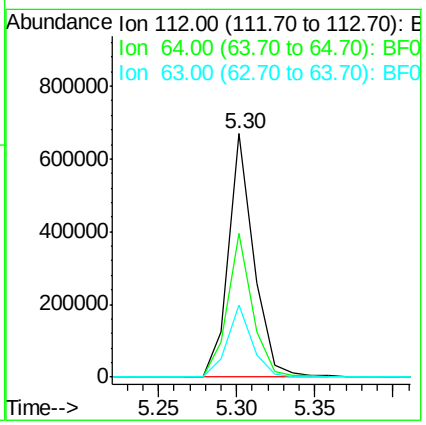
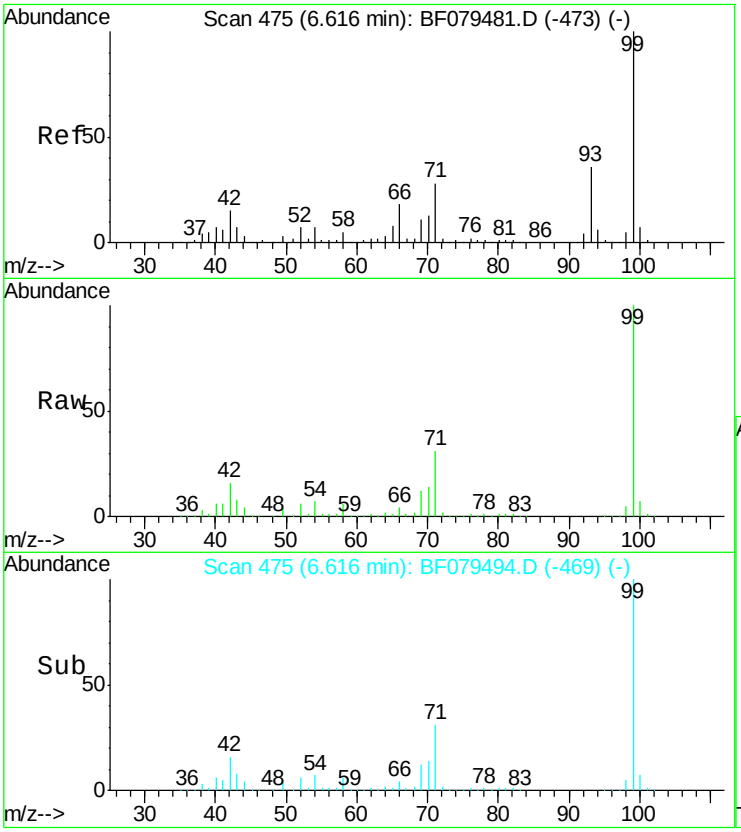


#5
2-Fluorophenol
Concen: 164.17 ng m
RT: 5.30 min Scan# 360
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:112 Resp: 758656

Ion	Ratio	Lower	Upper
112	100		
64	59.0	43.5	65.3
63	29.5	21.8	32.8

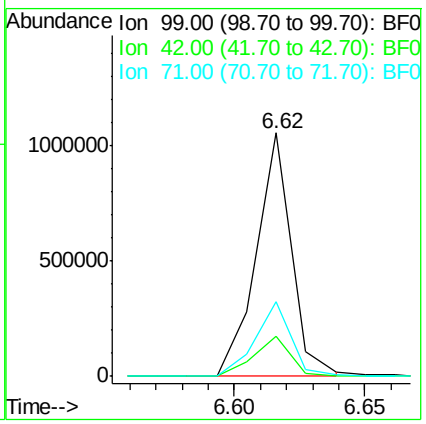




#7
Phenol-d6
Concen: 169.89 ng
RT: 6.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion: 99 Resp: 1000724

Ion	Ratio	Lower	Upper
99	100		
42	16.5	11.9	17.9
71	30.8	22.1	33.1



Instrument :
BNA_F
ClientSampleId :
SB-31S

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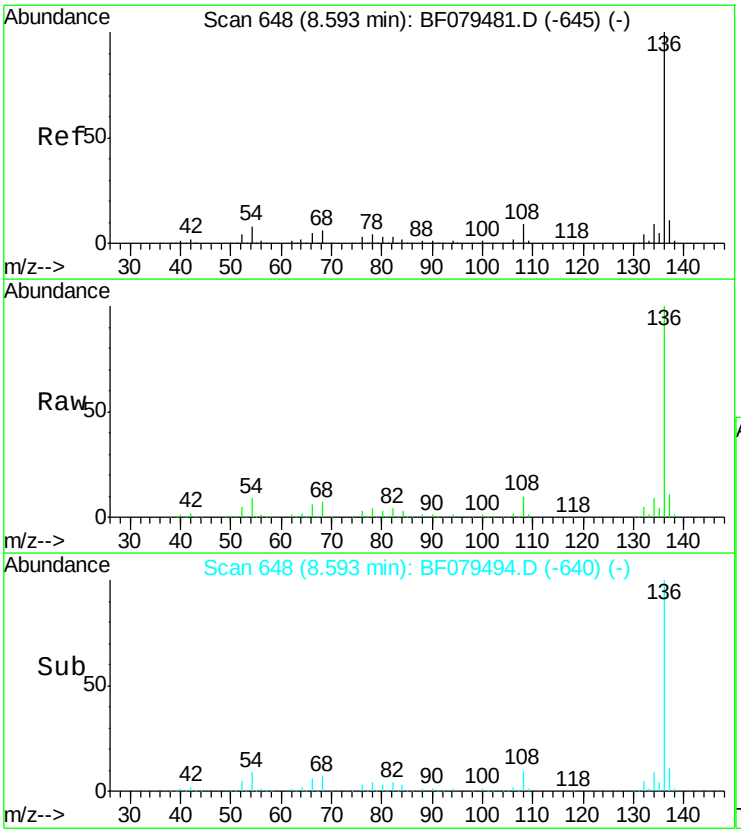
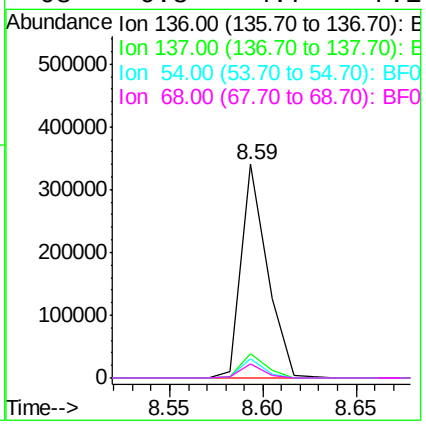
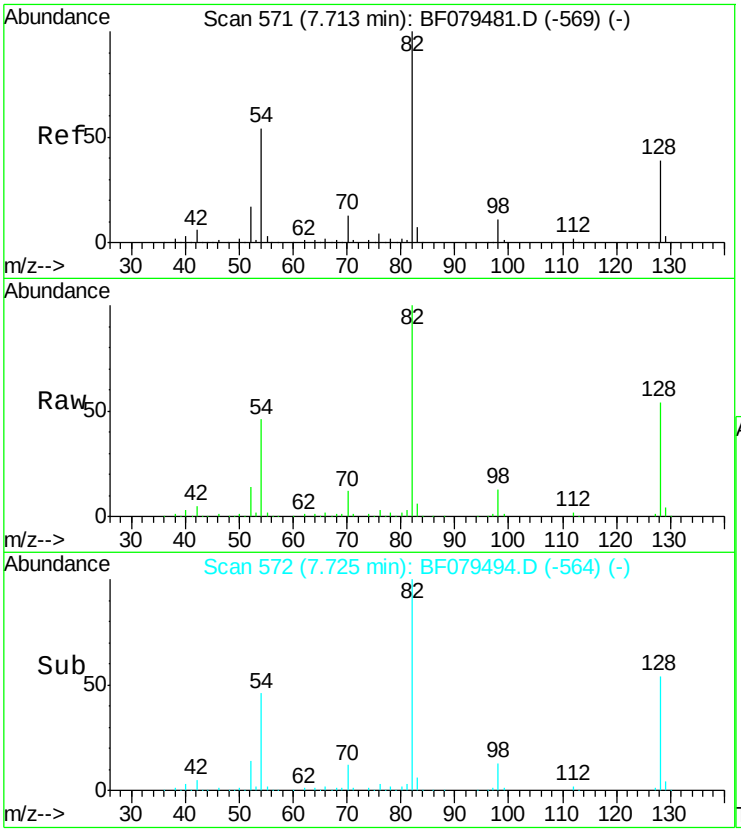


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.59 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:136 Resp: 331902

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.5	12.7
54	9.1	6.6	9.8
68	6.8	4.7	7.1

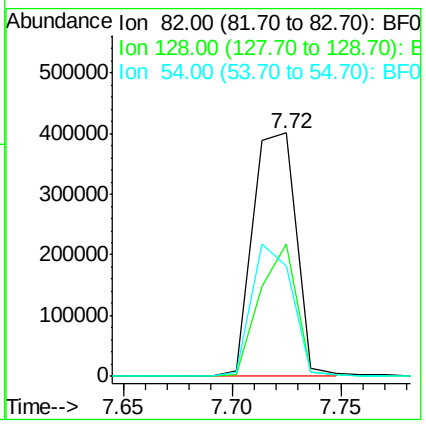




#23
Nitrobenzene-d5
Concen: 97.57 ng
RT: 7.72 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion: 82 Resp: 560187

Ion	Ratio	Lower	Upper
82	100		
128	54.3	30.8	46.2#
54	45.6	42.8	64.2



Instrument :
BNA_F
ClientSampleId :
SB-31S

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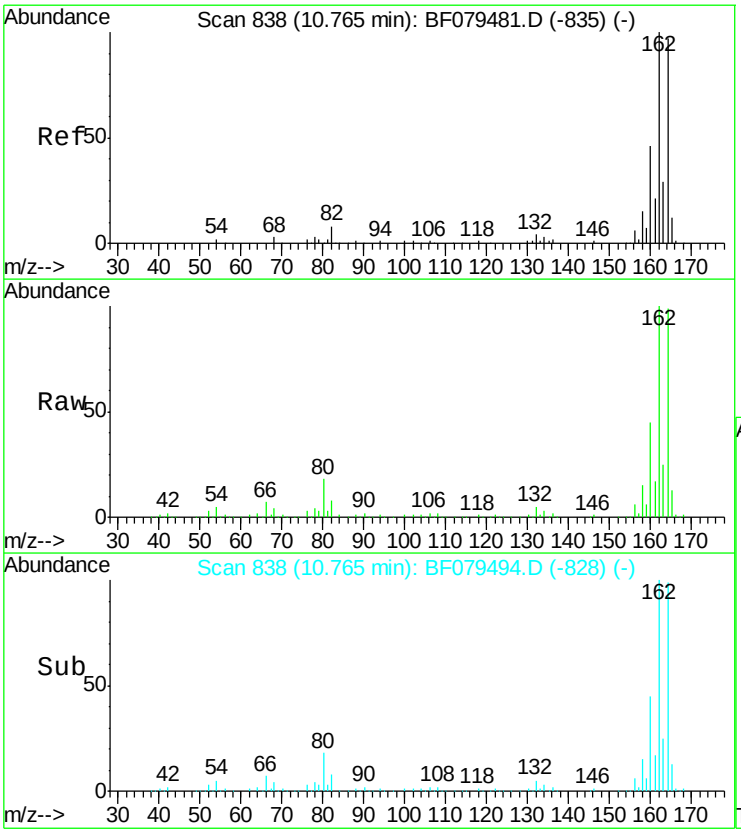
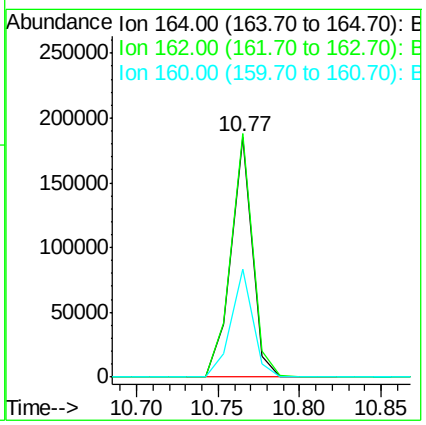
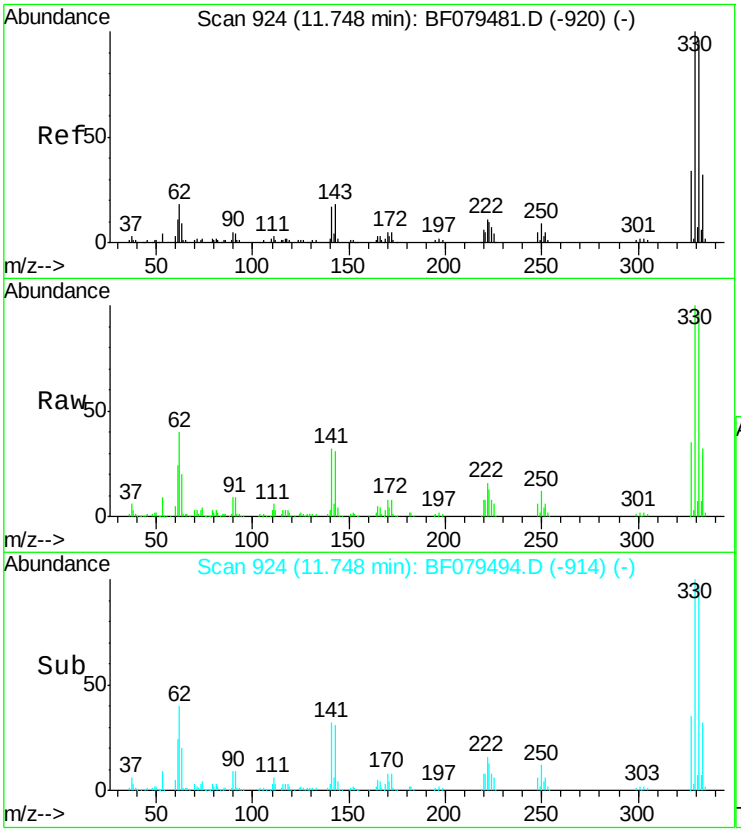


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.77 min Scan# 838
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:164 Resp: 166384

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.6	124.0
160	45.2	37.7	56.5

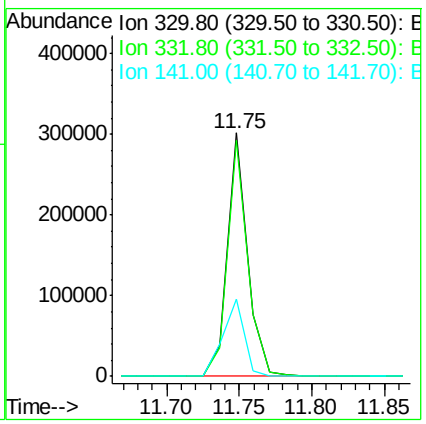




#41
2,4,6-Tribromophenol
Concen: 160.73 ng
RT: 11.75 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:330 Resp: 293745

Ion	Ratio	Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	34.3	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
SB-31S

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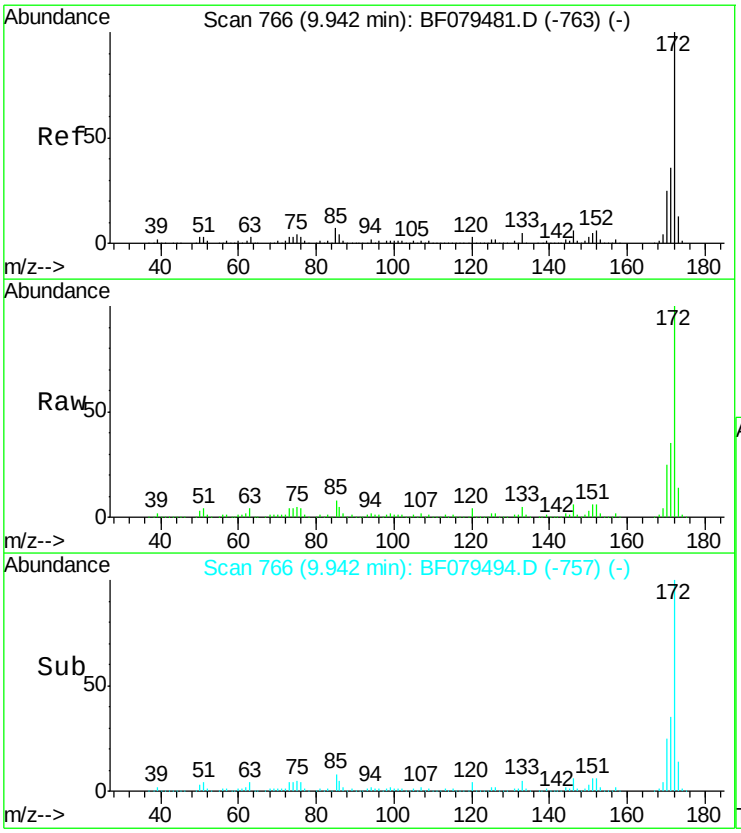
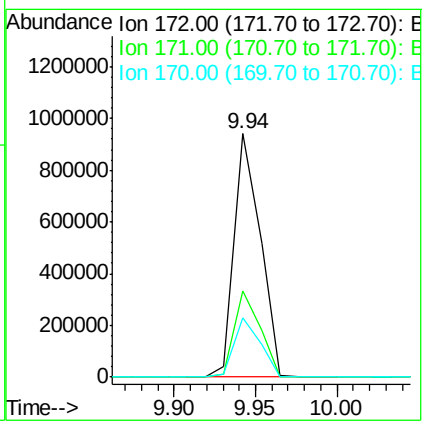
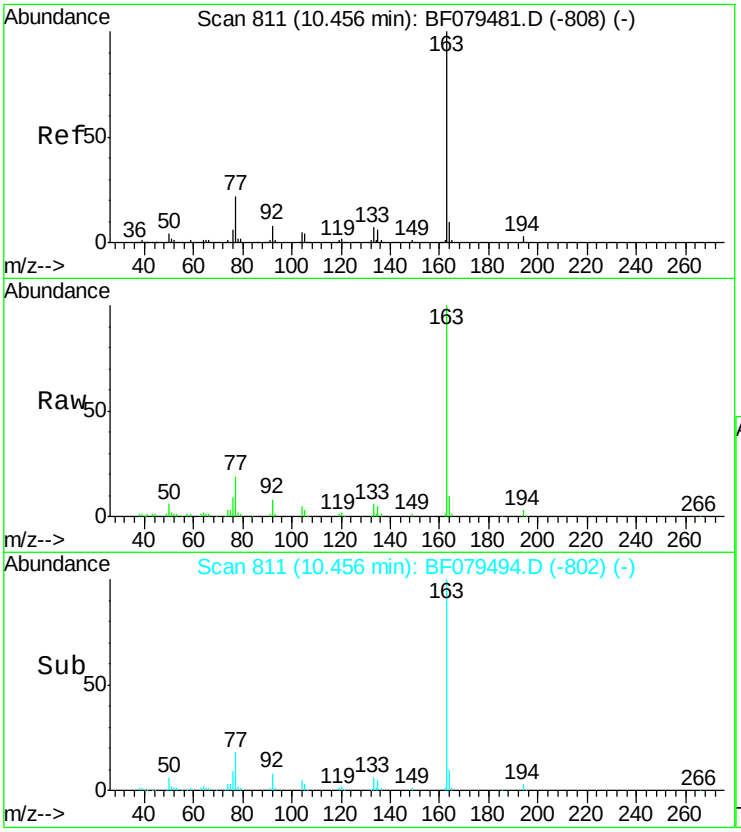


#44
2-Fluorobiphenyl
Concen: 88.83 ng
RT: 9.94 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:172 Resp: 1035997

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.5	42.7
170	24.5	19.7	29.5

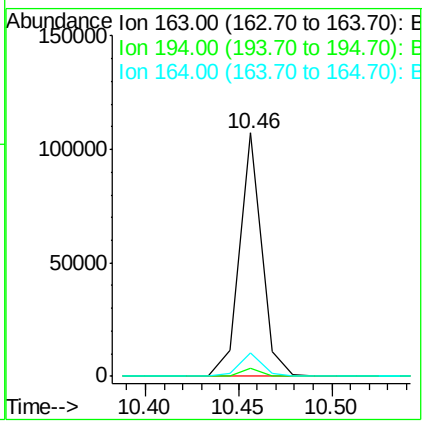




#49
Dimethylphthalate
Concen: 7.31 ng
RT: 10.46 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:163 Resp: 89670

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.4	3.6
164	9.8	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
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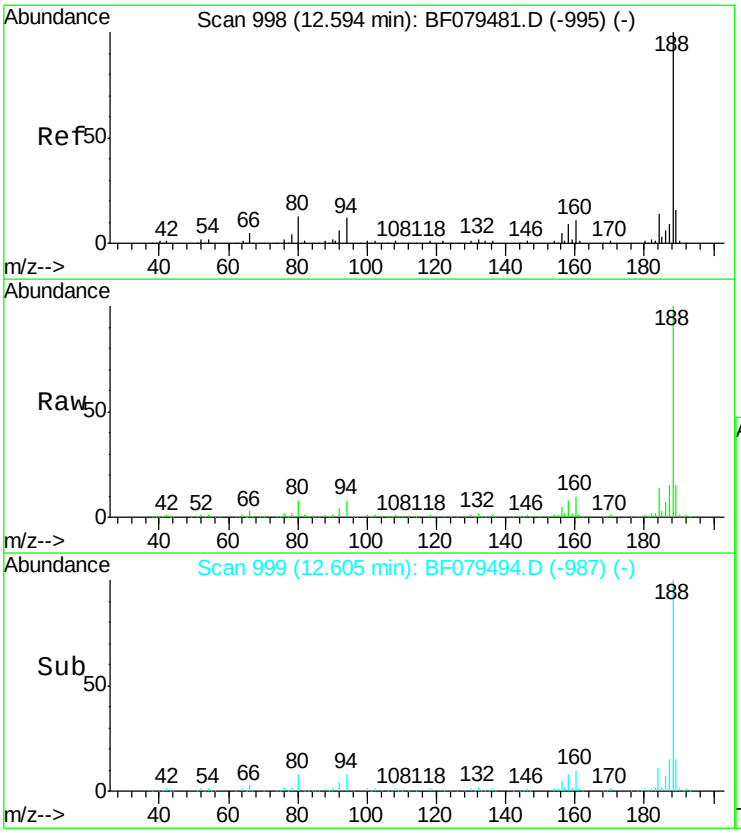
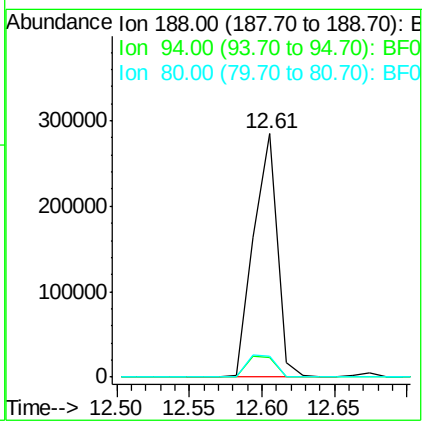
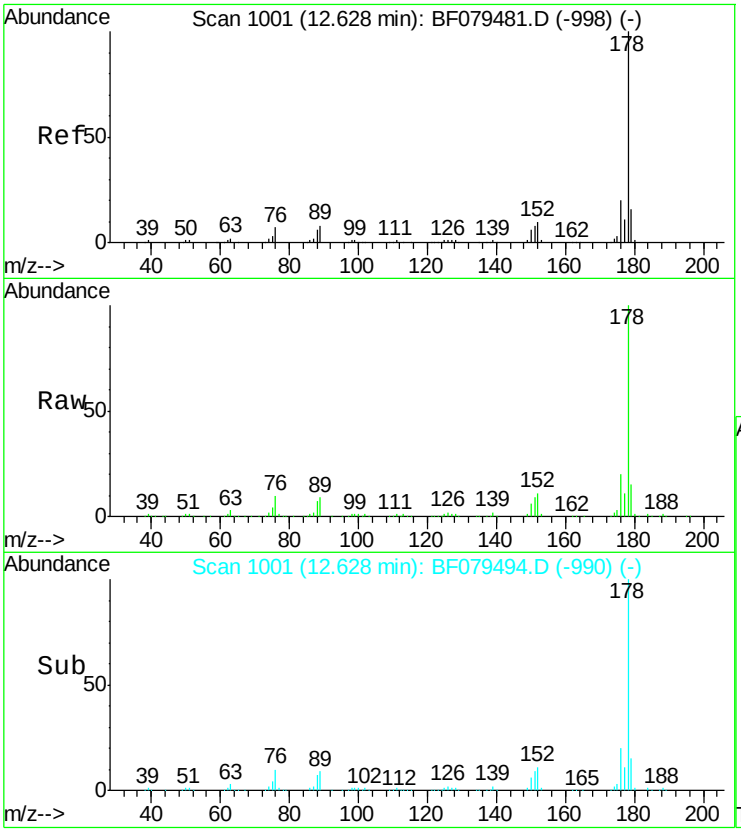


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:188 Resp: 322968

Ion	Ratio	Lower	Upper
188	100		
94	8.0	9.8	14.6#
80	8.4	10.5	15.7#

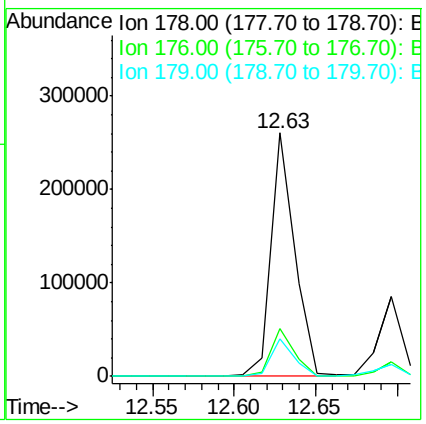




#70
Phenanthrene
Concen: 14.93 ng
RT: 12.63 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:178 Resp: 264473

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	15.4	12.4	18.6



Instrument :
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ClientSampleId :
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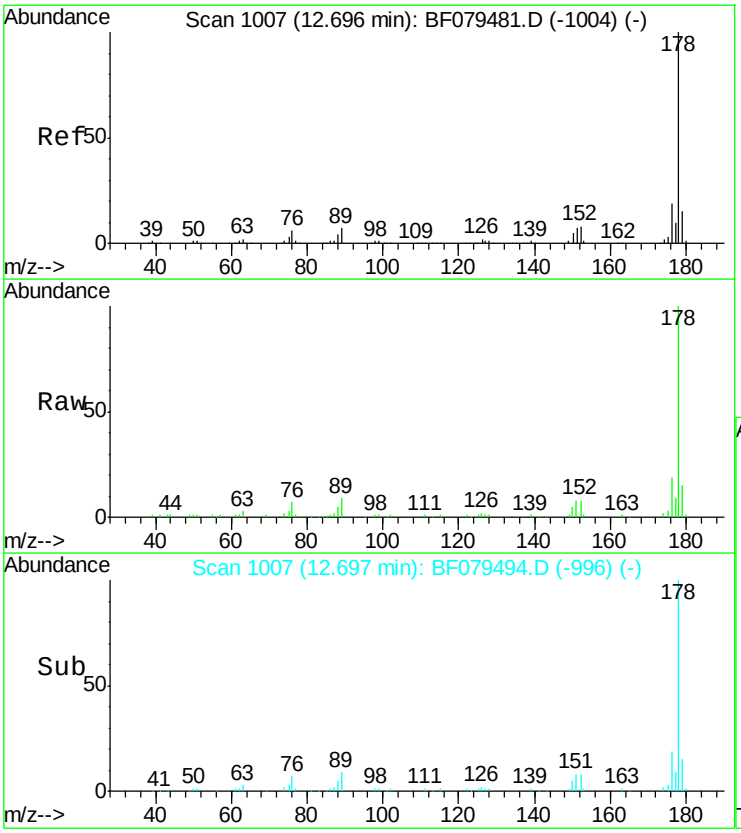
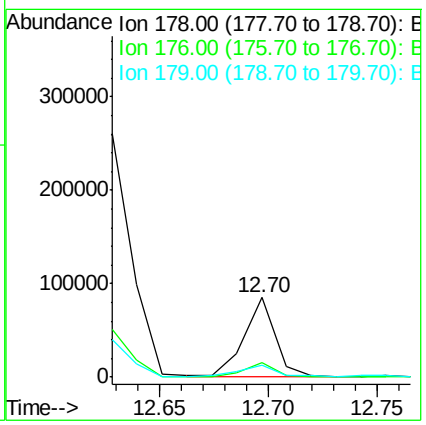
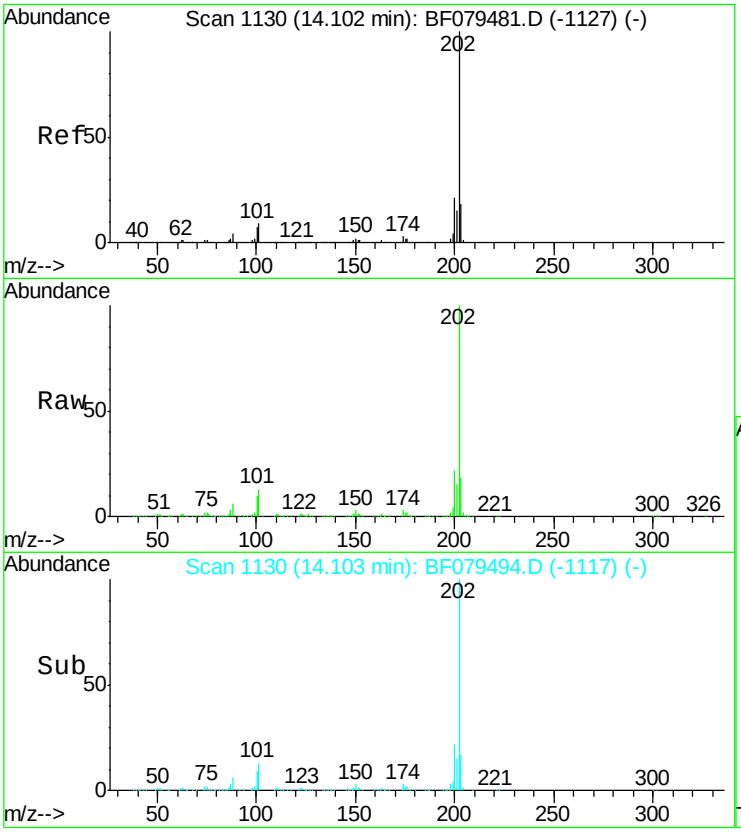


#71
Anthracene
Concen: 4.60 ng
RT: 12.70 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:178 Resp: 82717

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	14.9	12.2	18.4

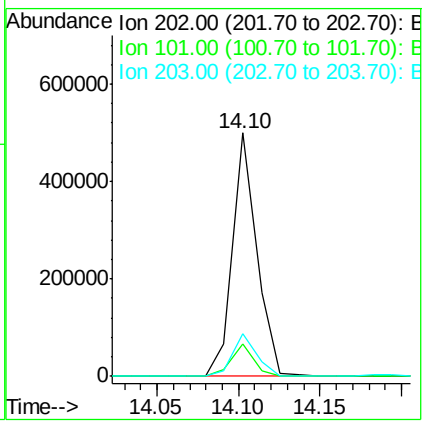




#74
Fluoranthene
Concen: 27.01 ng
RT: 14.10 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:202 Resp: 513277

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	29.3
203	17.7	0.0	37.6



Instrument :
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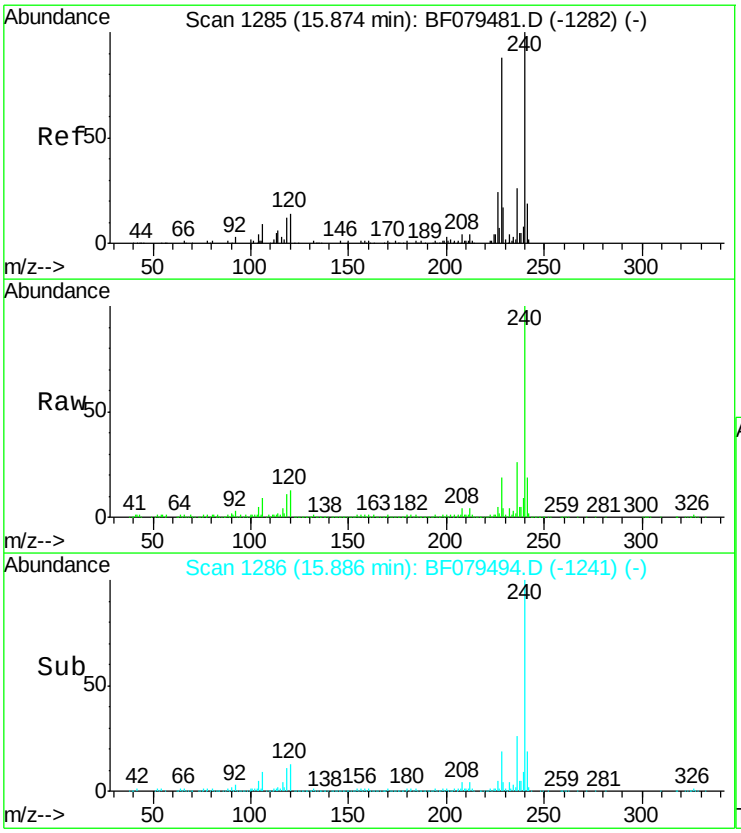
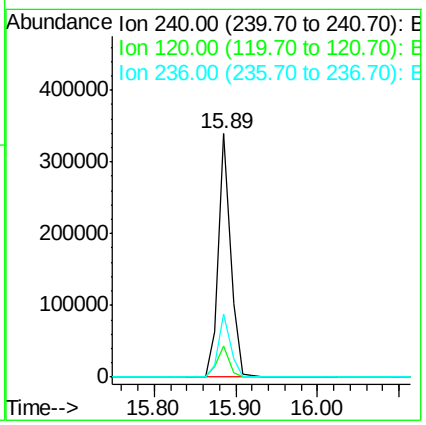
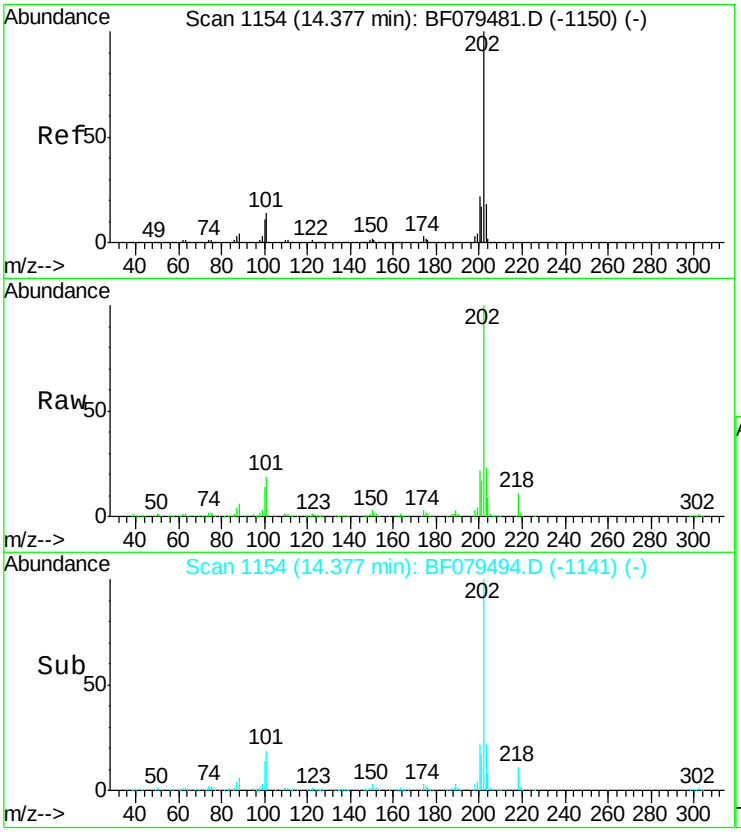


#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.89 min Scan# 1286
Delta R.T. 0.01 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:240 Resp: 355122

Ion	Ratio	Lower	Upper
240	100		
120	13.0	10.8	16.2
236	26.1	21.0	31.6





#77
Pyrene
Concen: 21.15 ng
RT: 14.38 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:202 Resp: 465397

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.5	26.3
203	22.7	14.4	21.6#

Instrument :
BNA_F
ClientSampleId :
SB-31S

Manual Integrations APPROVED
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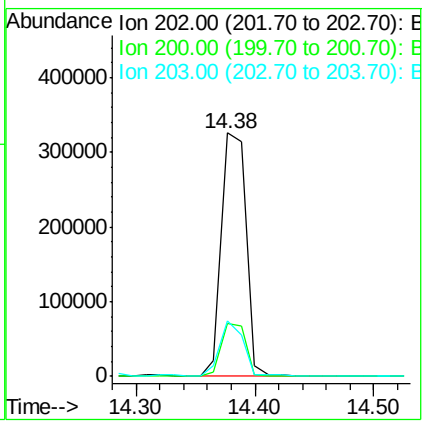
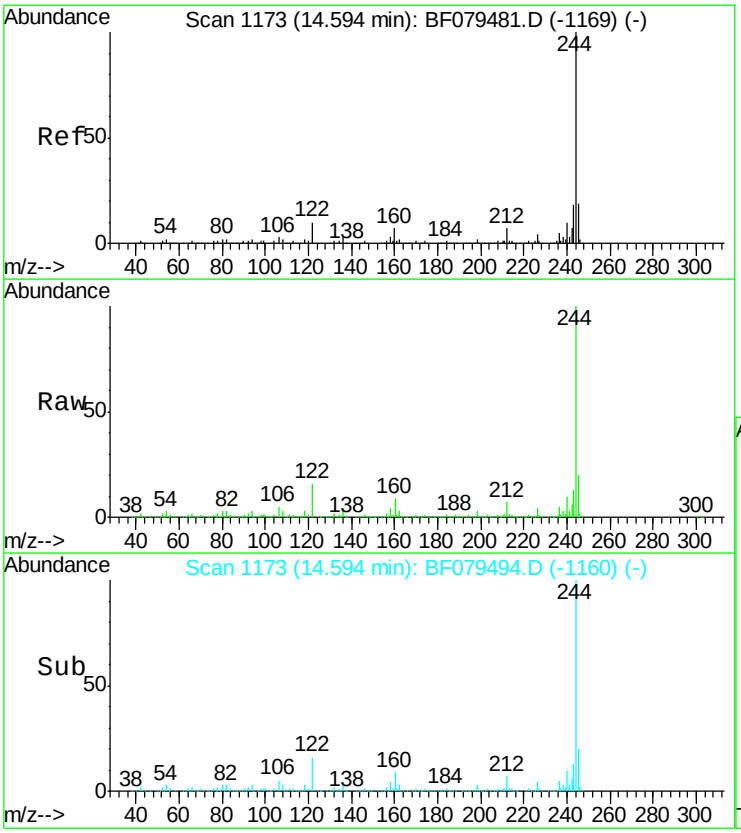
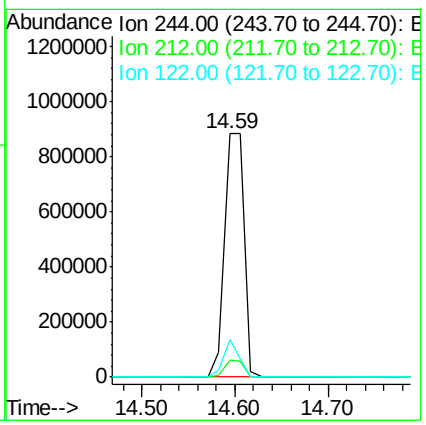


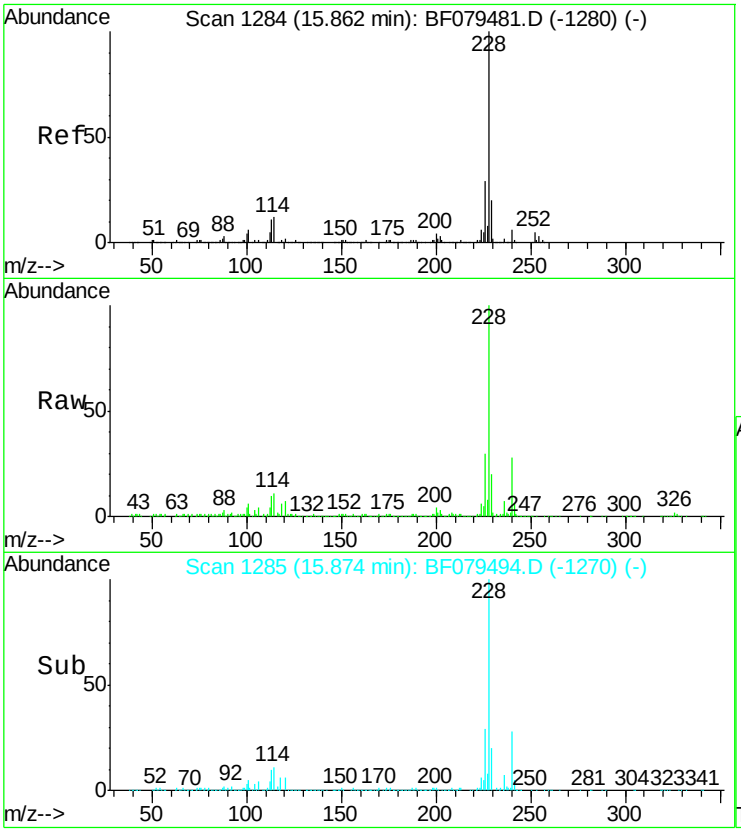


#78
Terphenyl-d14
Concen: 85.62 ng
RT: 14.59 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:244 Resp: 1295535

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.2	7.8
122	15.6	8.0	12.0#

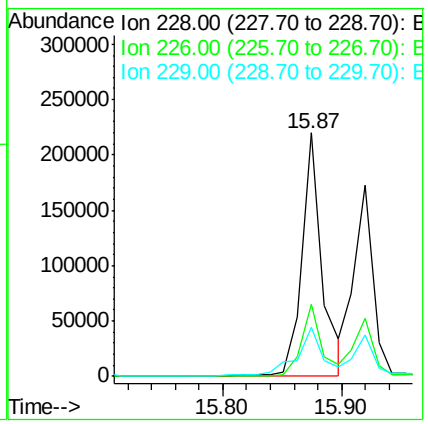




#80
Benzo(a)anthracene
Concen: 12.74 ng
RT: 15.87 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:228 Resp: 260267

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.8	34.2
229	20.1	15.9	23.9



Instrument :
BNA_F
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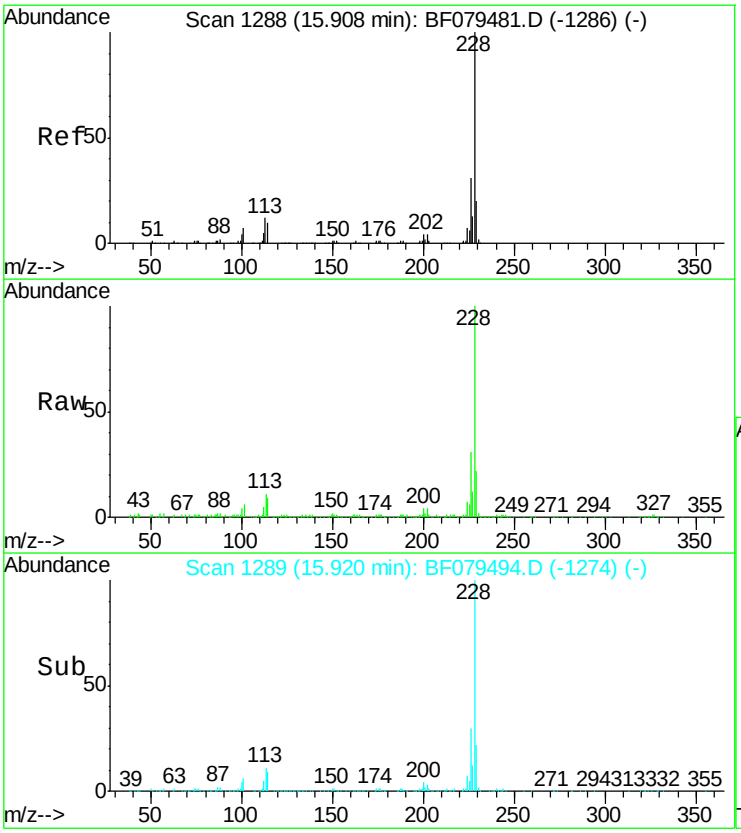
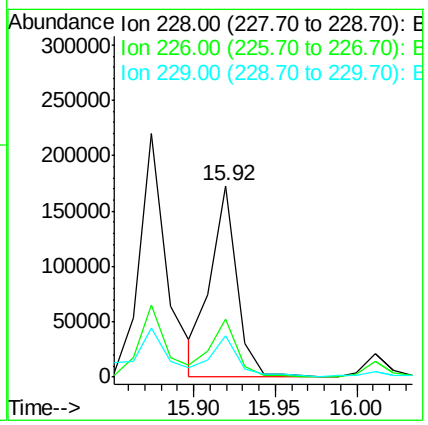
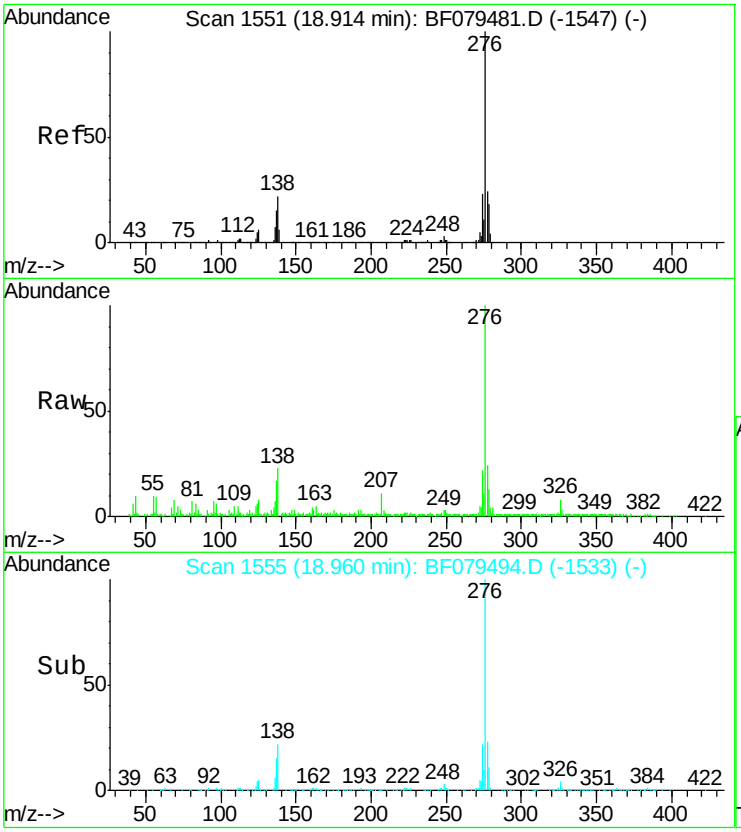


#82
Chrysene
Concen: 9.89 ng
RT: 15.92 min Scan# 1289
Delta R.T. 0.01 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:228 Resp: 192074

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.4
229	21.8	15.9	23.9

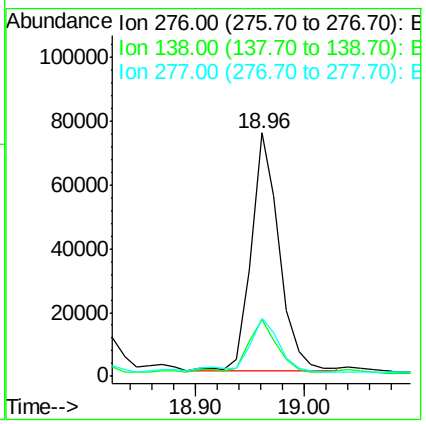




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.39 ng
RT: 18.96 min Scan# 1555
Delta R.T. 0.05 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:276 Resp: 134635

Ion	Ratio	Lower	Upper
276	100		
138	25.6	21.4	32.2
277	27.7	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SB-31S

Manual Integrations APPROVED
apatel
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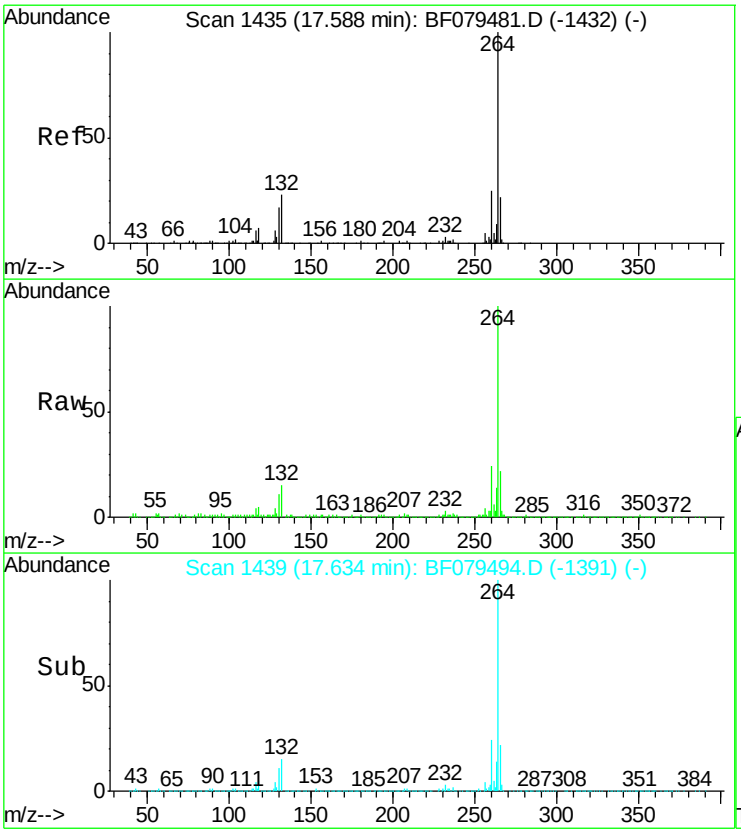
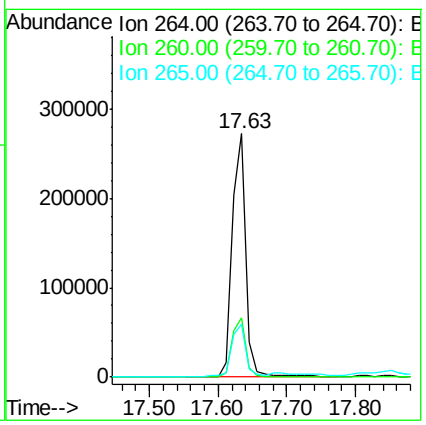
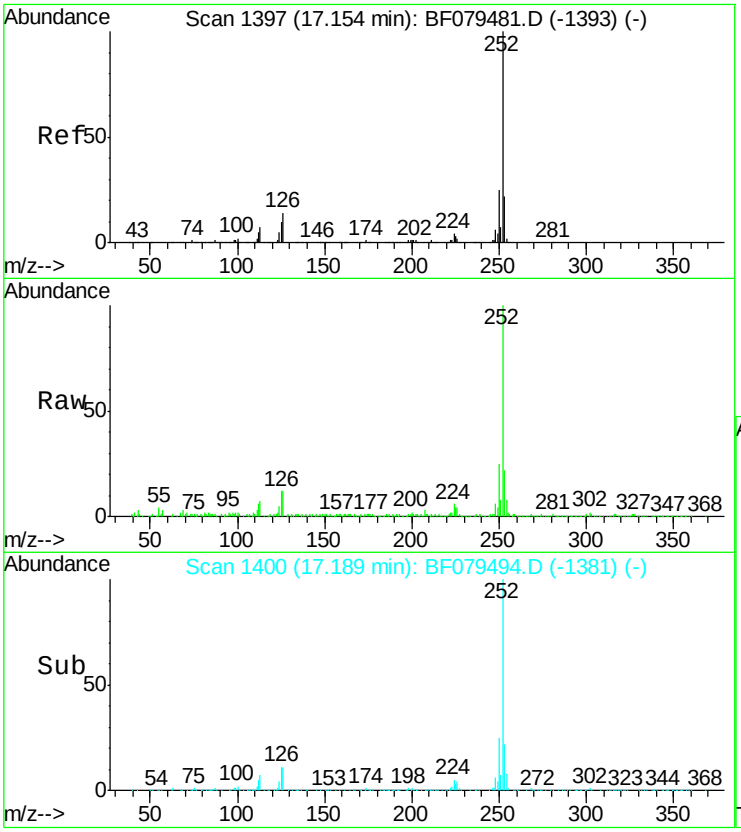


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.63 min Scan# 1439
Delta R.T. 0.05 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:264 Resp: 376387

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.8
265	21.8	17.8	26.6

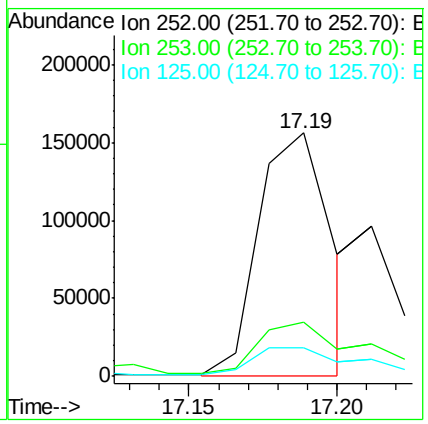




#87
Benzo(b)fluoranthene
Concen: 12.32 ng m
RT: 17.19 min Scan# 1400
Delta R.T. 0.03 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:252 Resp: 264488

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	11.6	7.8	11.6



Instrument :
BNA_F
ClientSampleId :
SB-31S

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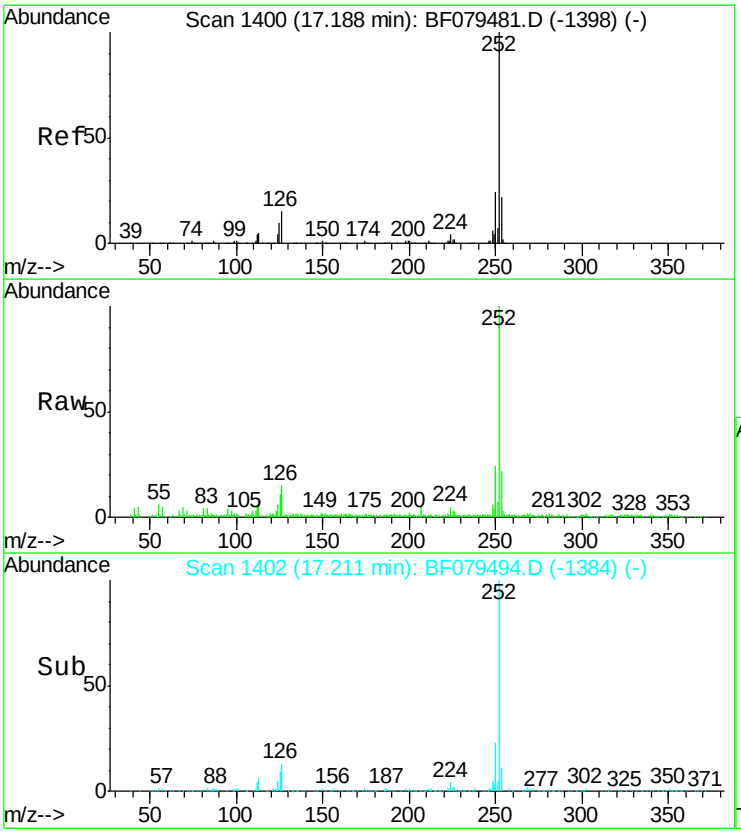
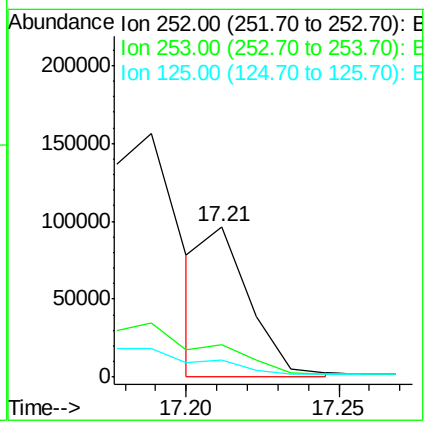
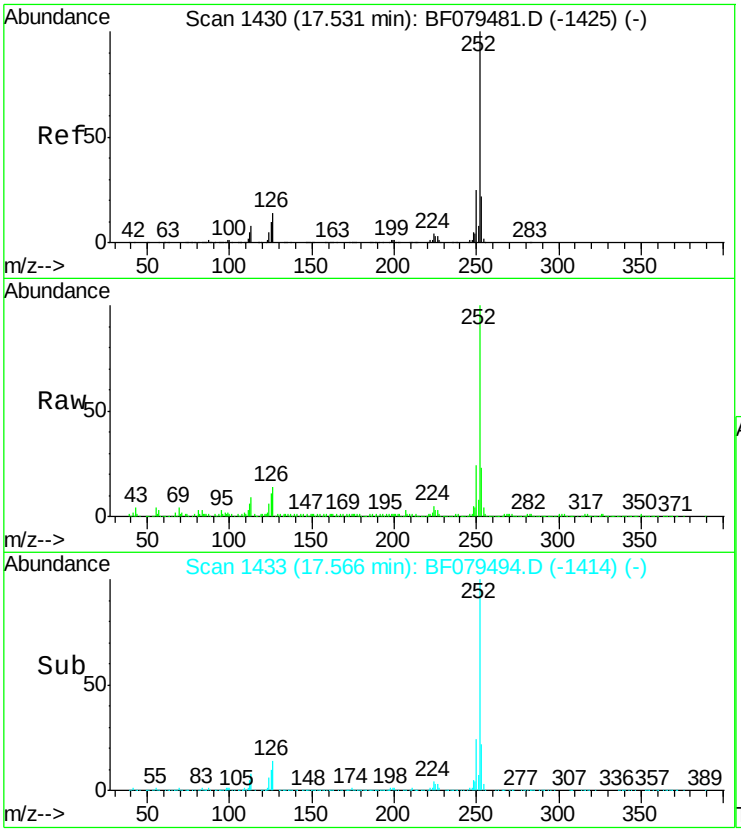


#88
Benzo(k)fluoranthene
Concen: 5.11 ng m
RT: 17.21 min Scan# 1402
Delta R.T. 0.02 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:252 Resp: 98110

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	10.9	6.8	10.2#

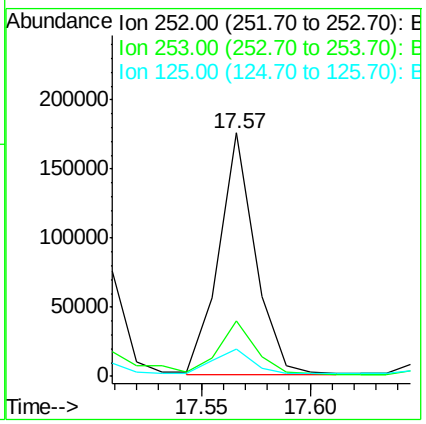




#89
Benzo(a)pyrene
Concen: 9.32 ng
RT: 17.57 min Scan# 1433
Delta R.T. 0.03 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:252 Resp: 204068

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	11.2	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
SB-31S

Manual Integrations APPROVED
apatel
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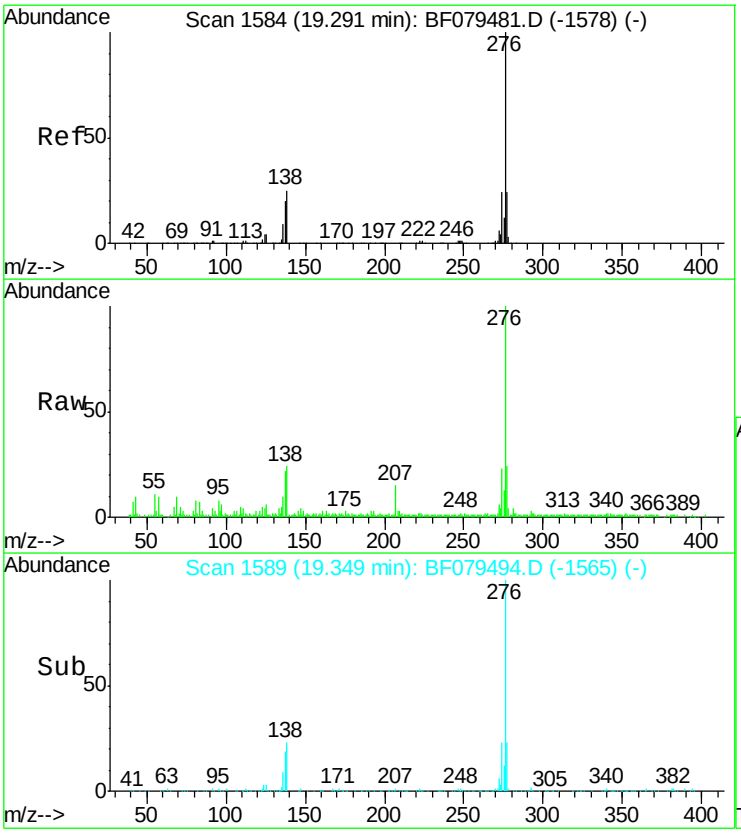

#91
Benzo(g,h,i)perylene
Concen: 3.69 ng
RT: 19.35 min Scan# 1589
Delta R.T. 0.06 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:276 Resp: 124942

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	23.7	20.1	30.1