Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082064.D
Acq On : 6 Oct 2015 1:01
Operator : UM/IZ
Sample : G3891-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-9(0-24)

Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:47 PM

Quant Time: Oct 06 02:09:32 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 05 17:58:12 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	102944	20.00	ng		0.01
21) Naphthalene-d8	8.17	136	400209	20.00	ng		0.00
38) Acenaphthene-d10	9.93	164	182269	20.00	ng		0.00
63) Phenanthrene-d10	11.42	188	287436	20.00	ng		0.00
75) Chrysene-d12	14.06	240	226304	20.00	ng		0.00
86) Perylene-d12	15.52	264	173408	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	802614	141.53	ng		0.02
7) Phenol-d6	6.53	99	1016112	142.40	ng		0.01
23) Nitrobenzene-d5	7.45	82	614420	102.34	ng		0.00
41) 2,4,6-Tribromophenol	10.72	330	202029	109.44	ng		0.00
44) 2-Fluorobiphenyl	9.26	172	1183210	117.05	ng		0.01
78) Terphenyl-d14	13.01	244	837498	149.69	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.19	128	46795	2.64	ng		98
37) 2-Methylnaphthalene	8.88	142	44471	3.67	ng	#	92
48) Acenaphthylene	9.79	152	50865	2.88	ng	#	93
49) Dimethylphthalate	9.65	163	229562	18.25	ng	#	98
70) Phenanthrene	11.44	178	73047	3.75	ng		98
71) Anthracene	11.50	178	35691m	2.44	ng		
74) Fluoranthene	12.63	202	142577	9.26	ng		90
77) Pyrene	12.86	202	150438	11.13	ng		96
80) Benzo(a)anthracene	14.05	228	121596	9.98	ng	#	86
82) Chrysene	14.08	228	105184m	7.63	ng		
85) Indeno(1,2,3-cd)pyrene	16.95	276	54492	5.72	ng	#	84
87) Benzo(b)fluoranthene	15.10	252	139909m	14.13	ng		
88) Benzo(k)fluoranthene	15.12	252	50600m	5.58	ng		
89) Benzo(a)pyrene	15.45	252	86463	10.07	ng	#	87
91) Benzo(g,h,i)perylene	17.38	276	52602	7.12	ng	#	77

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

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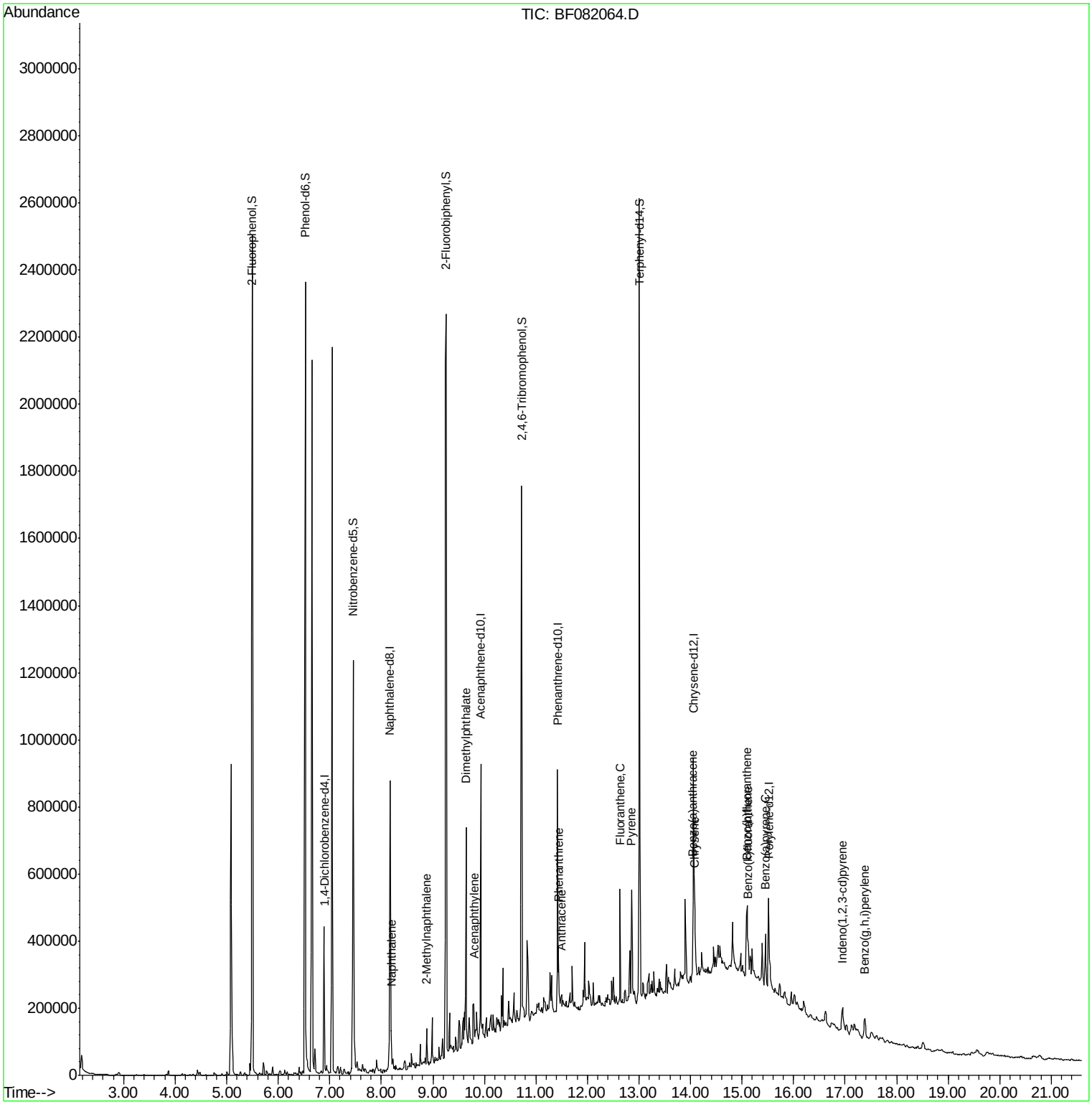
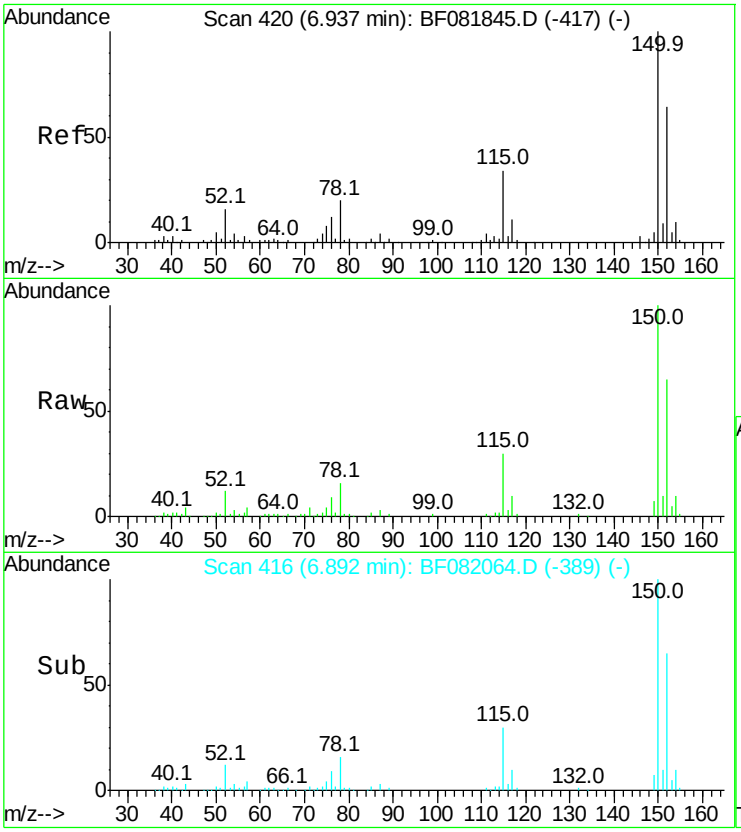
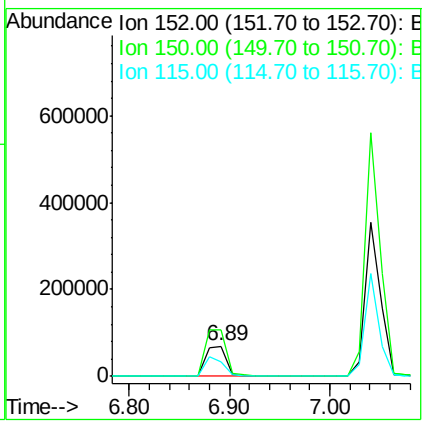




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 416
Delta R.T. 0.01 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:152 Resp: 102944

Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.7	187.1
115	46.7	39.0	58.4



Instrument :
BNA_F
ClientSampleId :
SS-9(0-24)

Manual Integrations APPROVED
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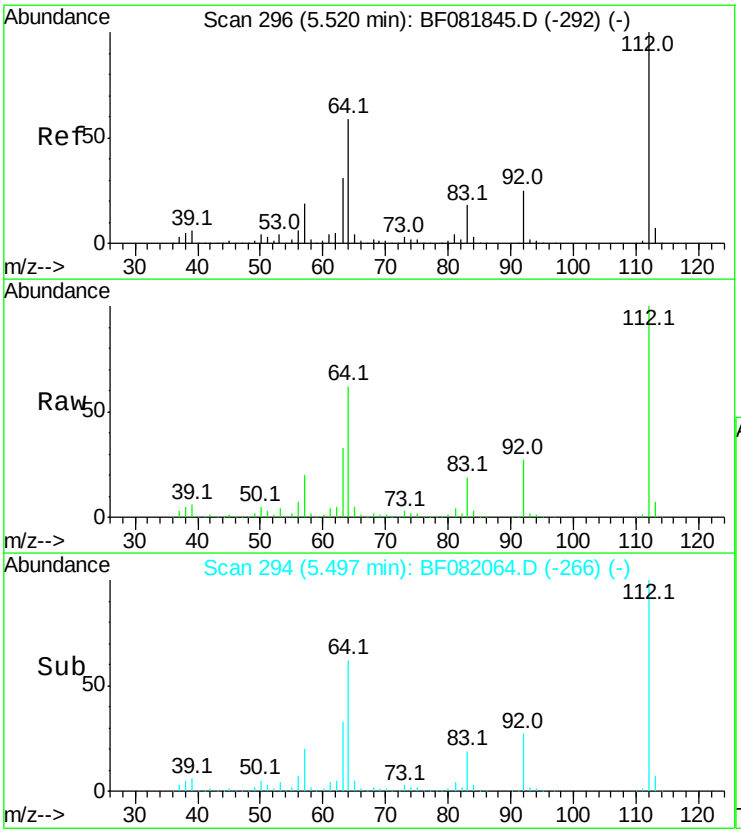
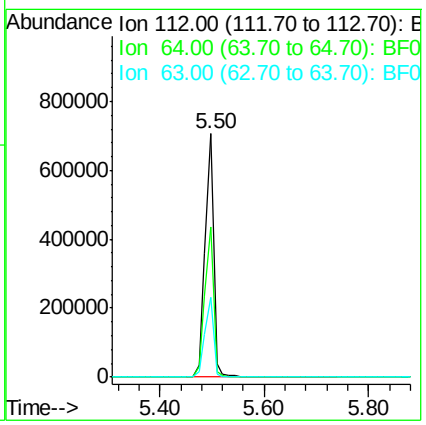
10/6/2015 2:54:47 PM

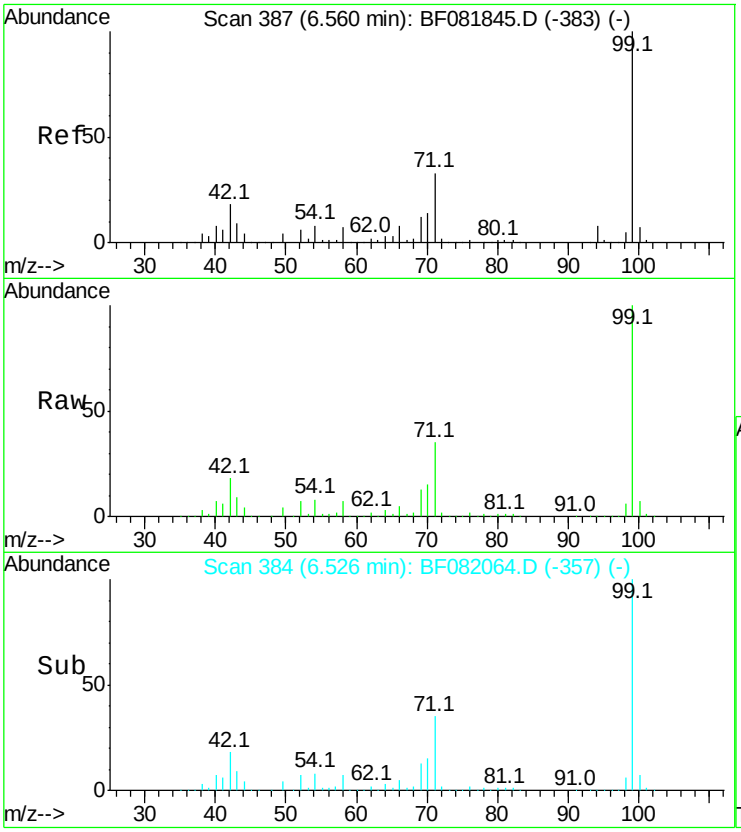


#5
2-Fluorophenol
Concen: 141.53 ng
RT: 5.50 min Scan# 294
Delta R.T. 0.02 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:112 Resp: 802614

Ion	Ratio	Lower	Upper
112	100		
64	61.6	39.7	59.5#
63	32.8	17.4	26.0#

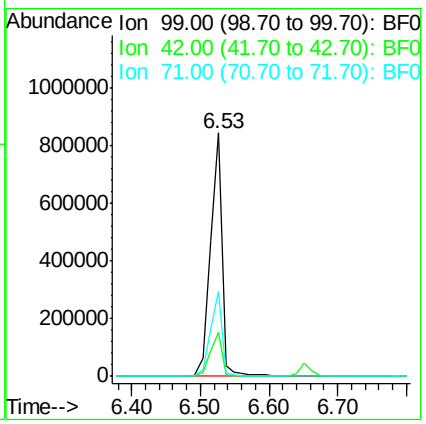




#7
Phenol-d6
Concen: 142.40 ng
RT: 6.53 min Scan# 384
Delta R.T. 0.01 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion: 99 Resp: 1016112

Ion	Ratio	Lower	Upper
99	100		
42	18.0	13.7	20.5
71	35.1	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
SS-9(0-24)

Manual Integrations APPROVED
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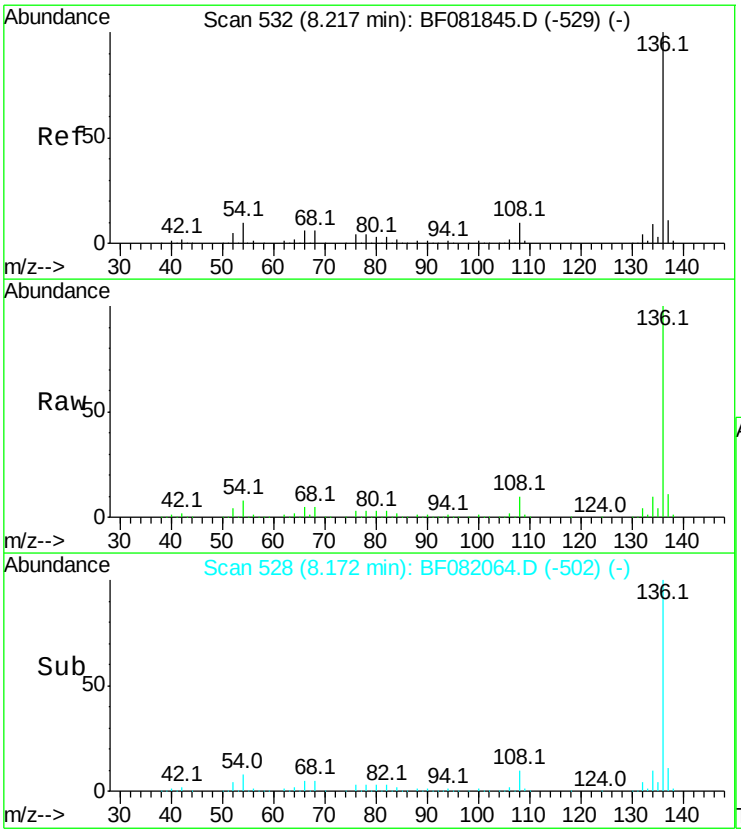
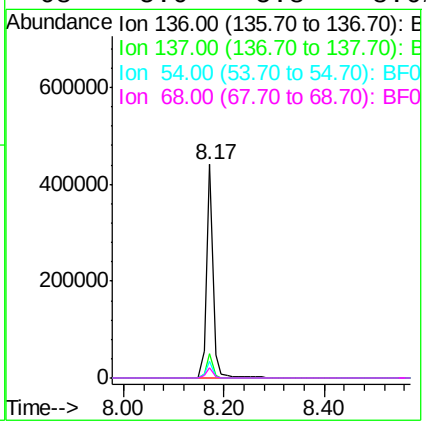
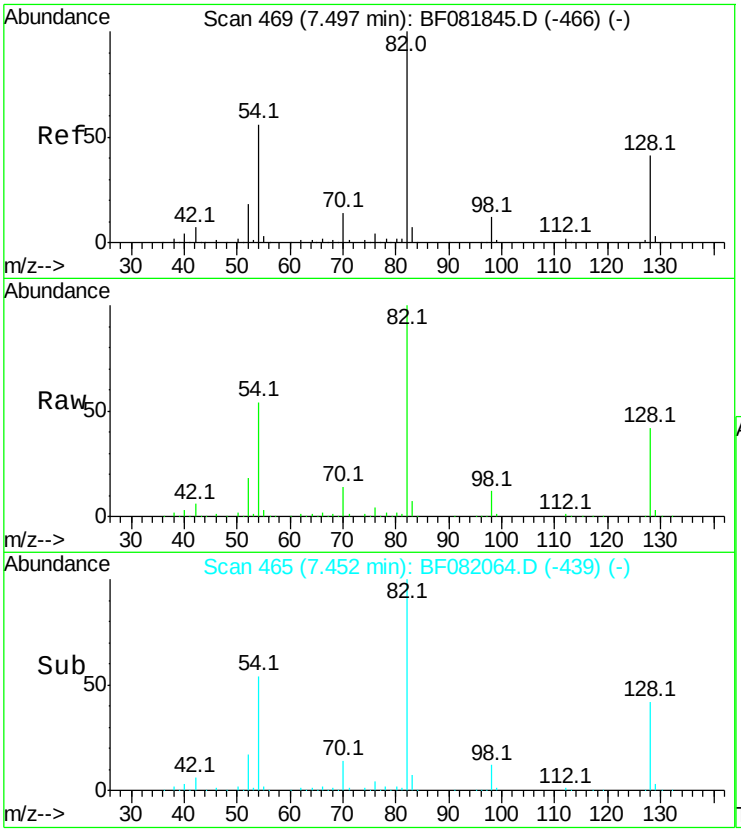


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:136 Resp: 400209

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	7.7	8.2	12.2#
68	5.0	5.8	8.6#

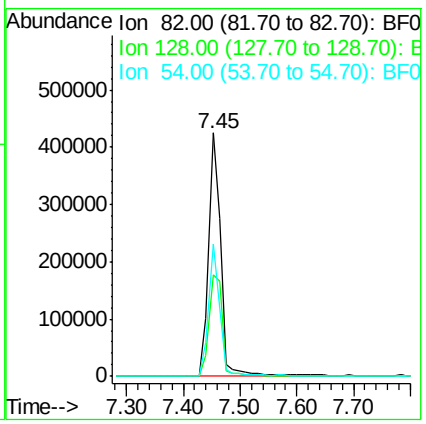




#23
Nitrobenzene-d5
Concen: 102.34 ng
RT: 7.45 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion: 82 Resp: 614420

Ion	Ratio	Lower	Upper
82	100		
128	41.7	51.0	76.6#
54	54.3	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
SS-9(0-24)

Manual Integrations APPROVED
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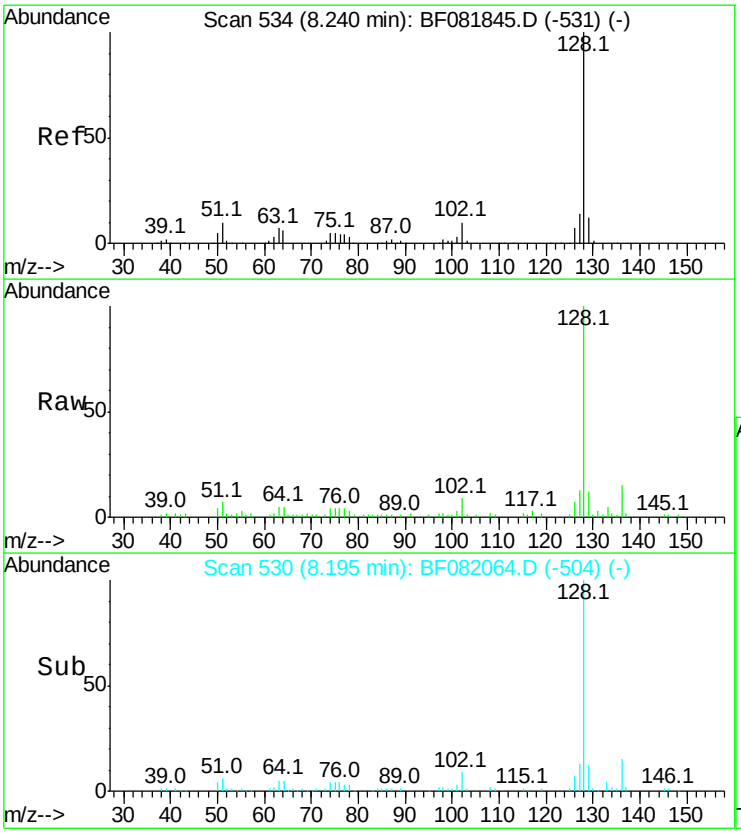
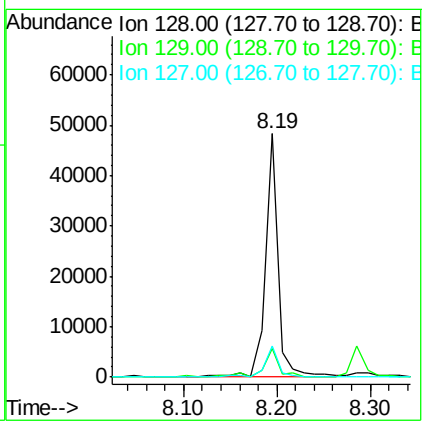
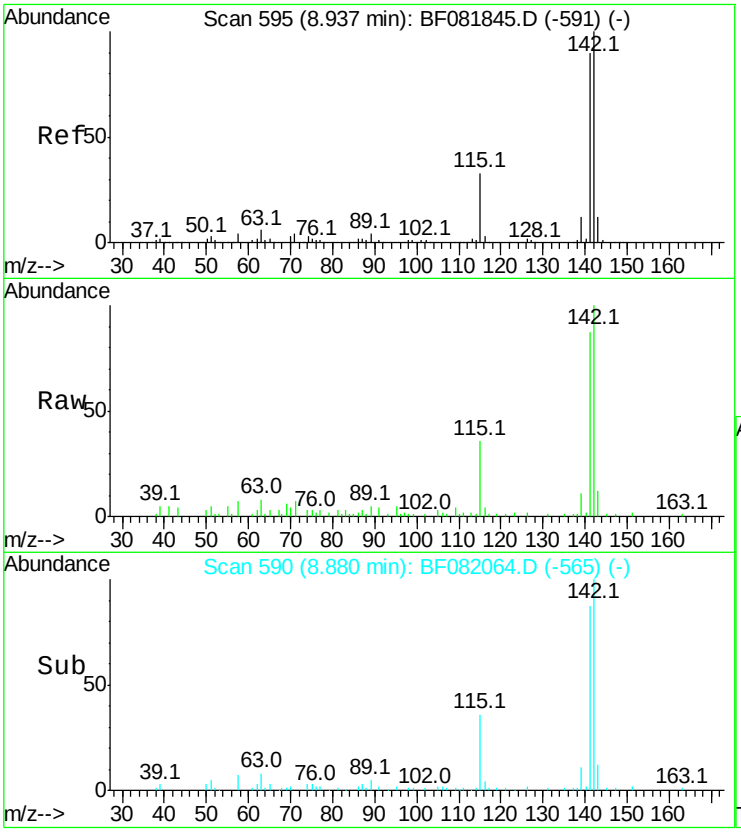


#31
Naphthalene
Concen: 2.64 ng
RT: 8.19 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:128 Resp: 46795

Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.4	12.6
127	12.7	9.9	14.9

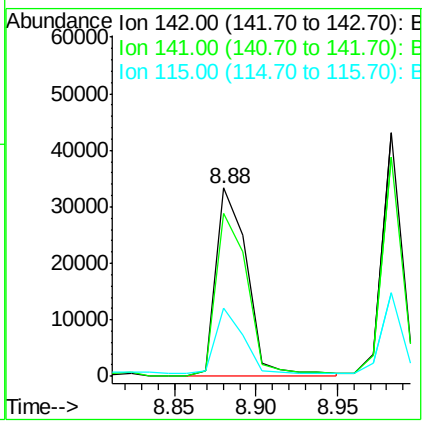




#37
2-Methylnaphthalene
Concen: 3.67 ng
RT: 8.88 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:142 Resp: 44471

Ion	Ratio	Lower	Upper
142	100		
141	86.5	67.5	101.3
115	36.3	18.2	27.2#



Instrument :
BNA_F
ClientSampleId :
SS-9(0-24)

Manual Integrations APPROVED
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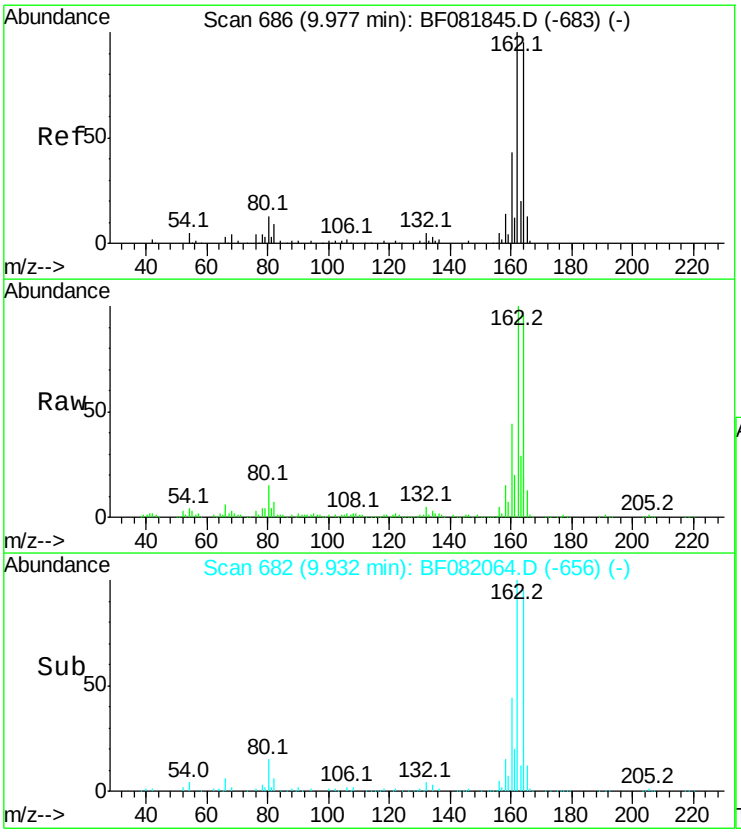
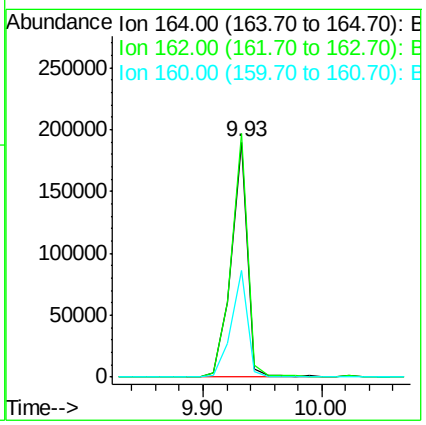
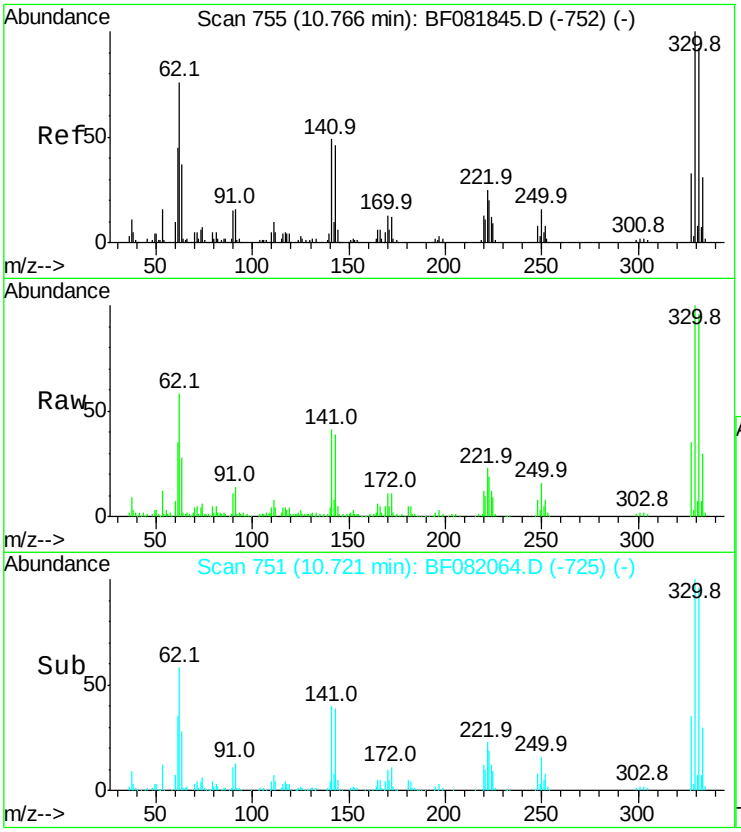


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:164 Resp: 182269

Ion	Ratio	Lower	Upper
164	100		
162	103.7	75.2	112.8
160	45.6	31.5	47.3

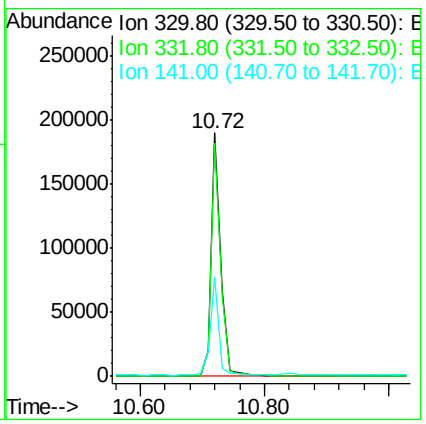




#41
2,4,6-Tribromophenol
Concen: 109.44 ng
RT: 10.72 min Scan# 751
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:330 Resp: 202029

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	114.8
141	36.8	29.7	44.5



Instrument :
BNA_F
ClientSampleId :
SS-9(0-24)

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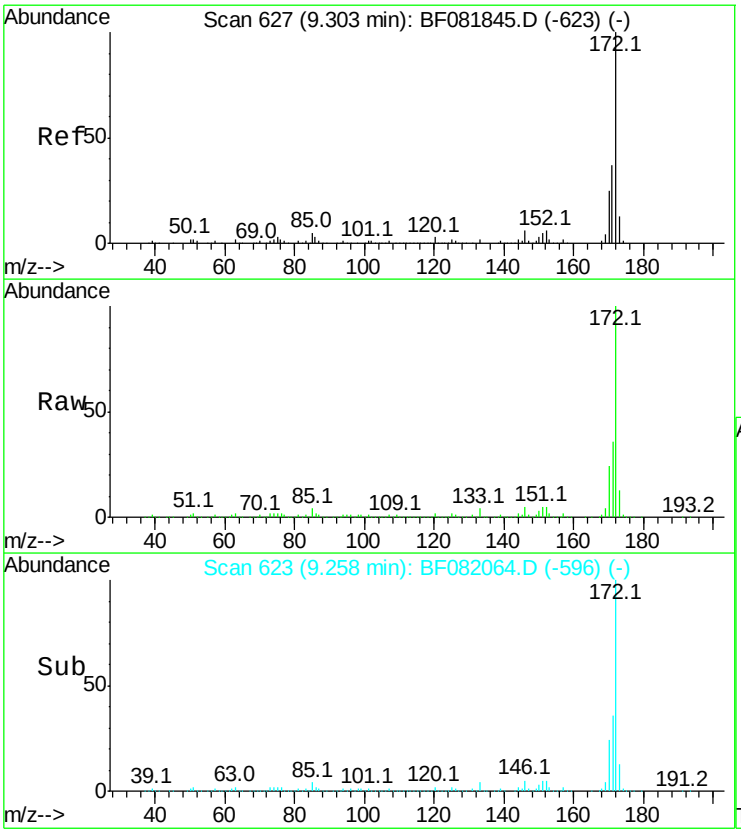
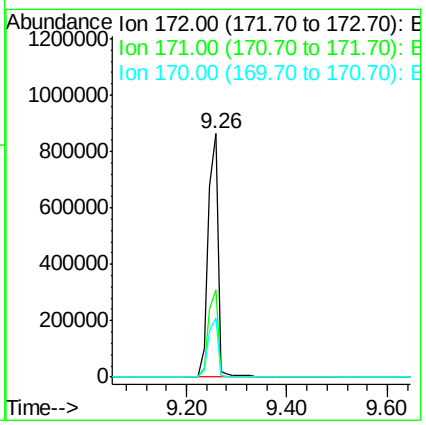
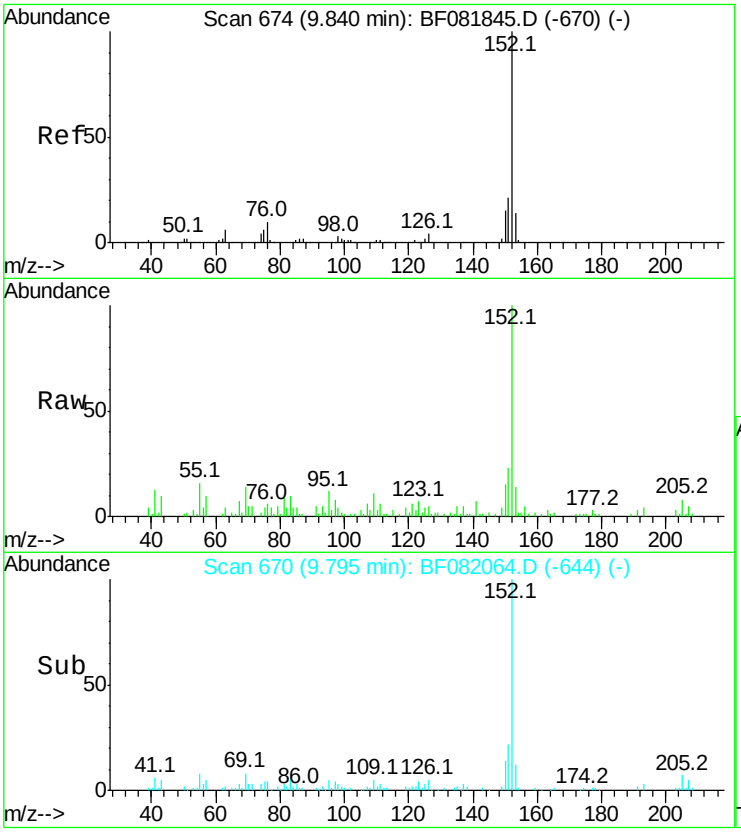


#44
2-Fluorobiphenyl
Concen: 117.05 ng
RT: 9.26 min Scan# 623
Delta R.T. 0.01 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:172 Resp: 1183210

Ion	Ratio	Lower	Upper
172	100		
171	36.2	26.1	39.1
170	24.2	17.4	26.2

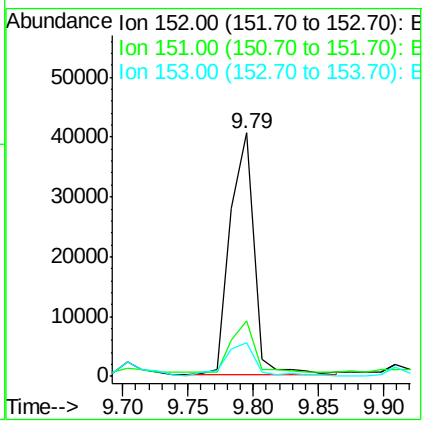




#48
Acenaphthylene
Concen: 2.88 ng
RT: 9.79 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:152 Resp: 50865

Ion	Ratio	Lower	Upper
152	100		
151	23.0	14.6	22.0#
153	13.9	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SS-9(0-24)

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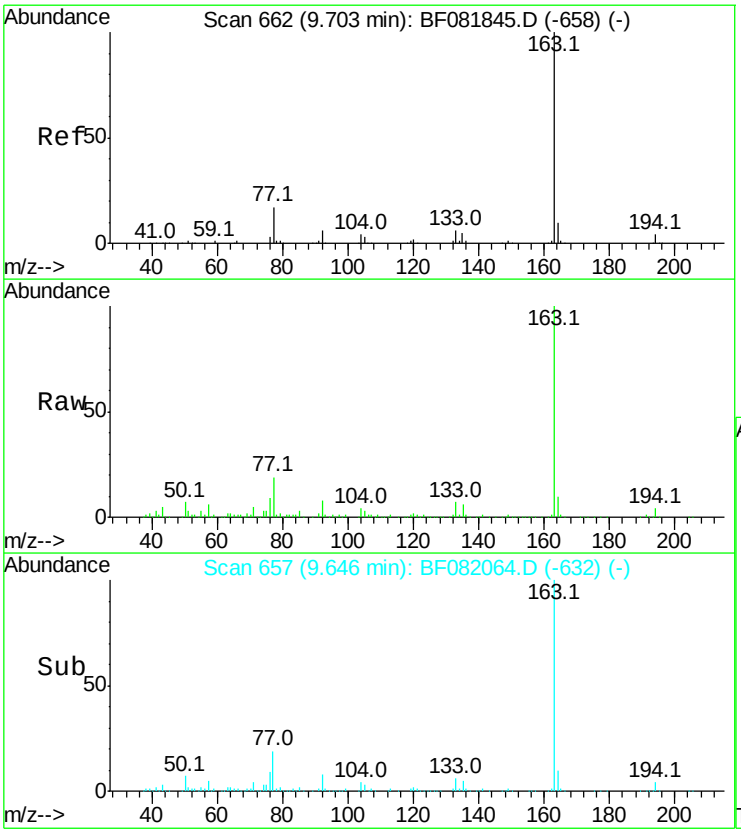
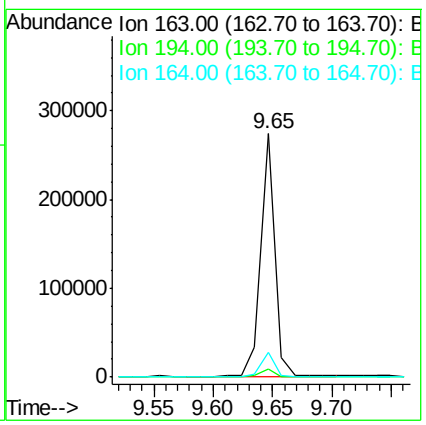
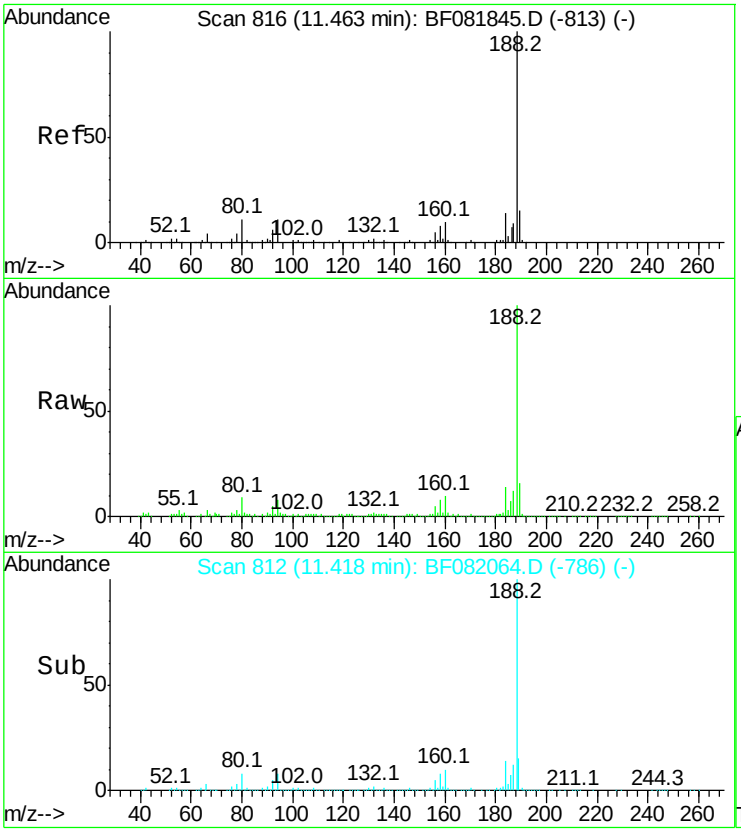


#49
Dimethylphthalate
Concen: 18.25 ng
RT: 9.65 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:163 Resp: 229562

Ion	Ratio	Lower	Upper
163	100		
194	3.5	4.4	6.6#
164	10.3	8.3	12.5

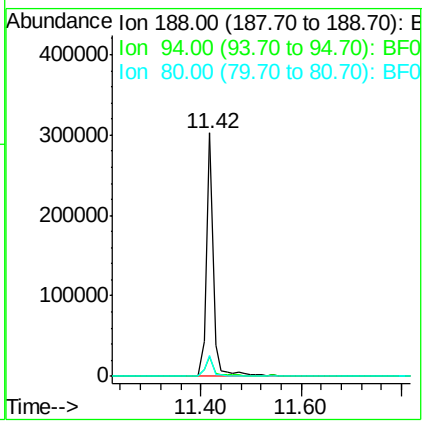




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:188 Resp: 287436

Ion	Ratio	Lower	Upper
188	100		
94	8.2	11.1	16.7#
80	8.5	11.0	16.4#



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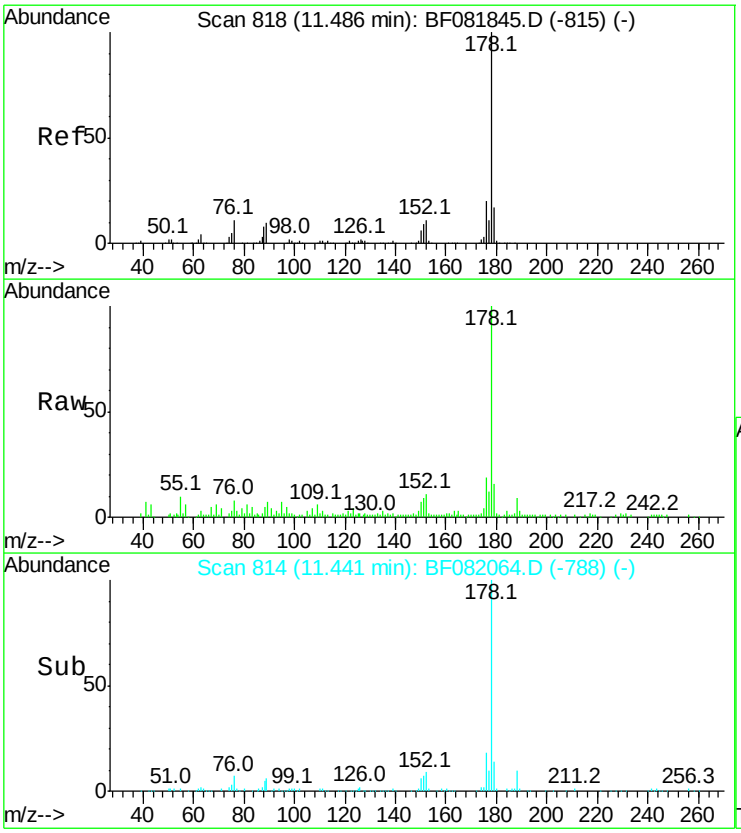
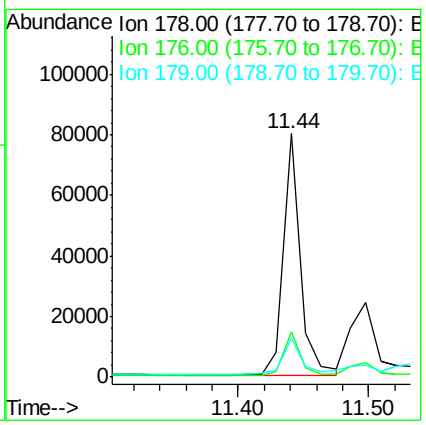
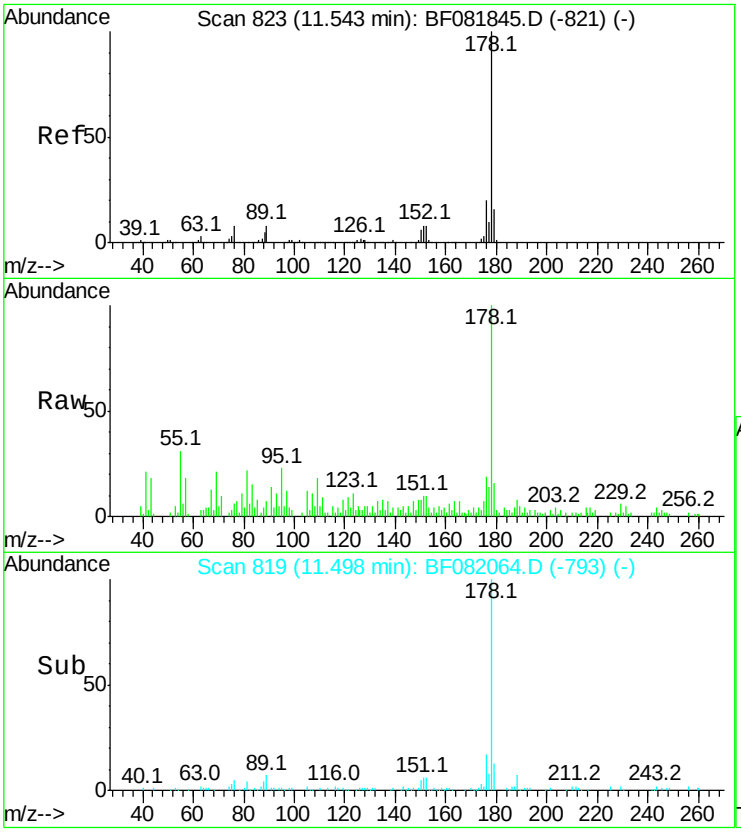


#70
Phenanthrene
Concen: 3.75 ng
RT: 11.44 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:178 Resp: 73047

Ion	Ratio	Lower	Upper
178	100		
176	18.8	13.8	20.8
179	15.7	12.2	18.2

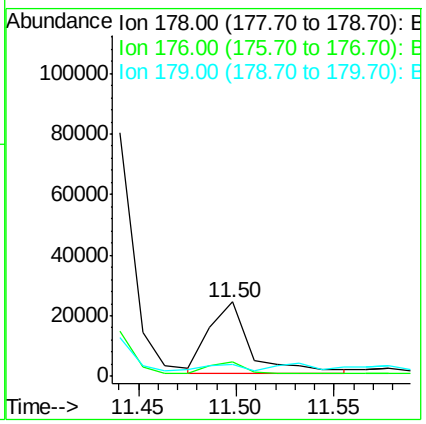




#71
Anthracene
Concen: 2.44 ng m
RT: 11.50 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

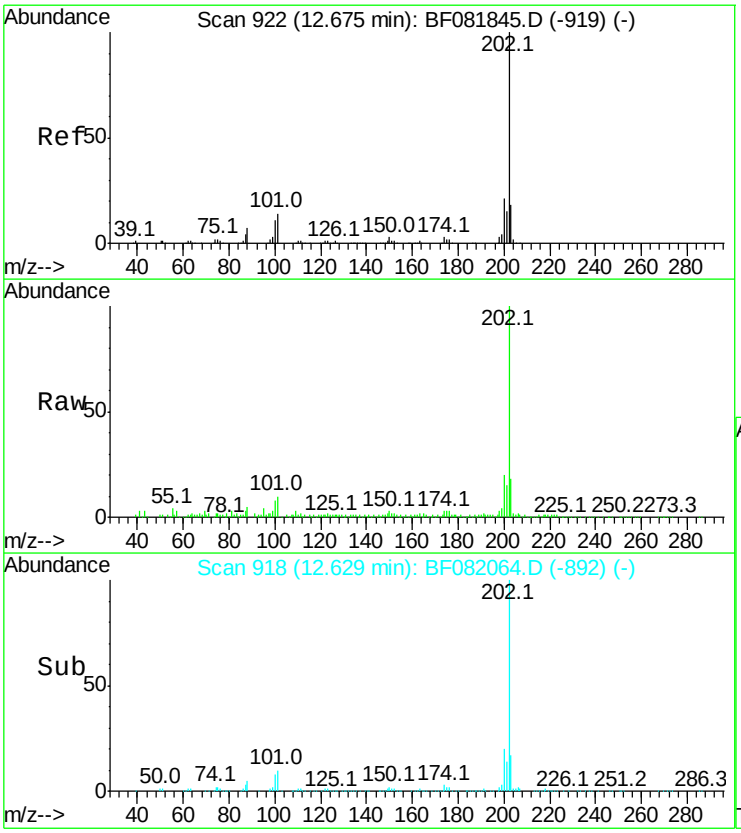
Tgt Ion:178 Resp: 35691

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.1	21.1
179	15.9	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SS-9(0-24)

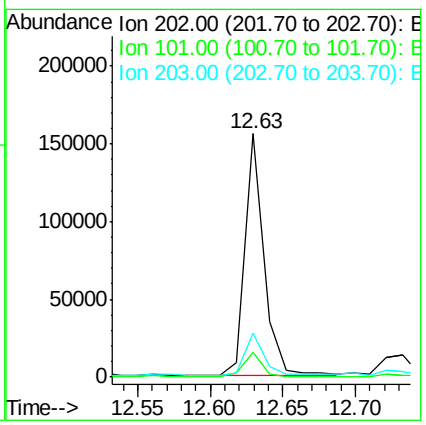
Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:47 PM

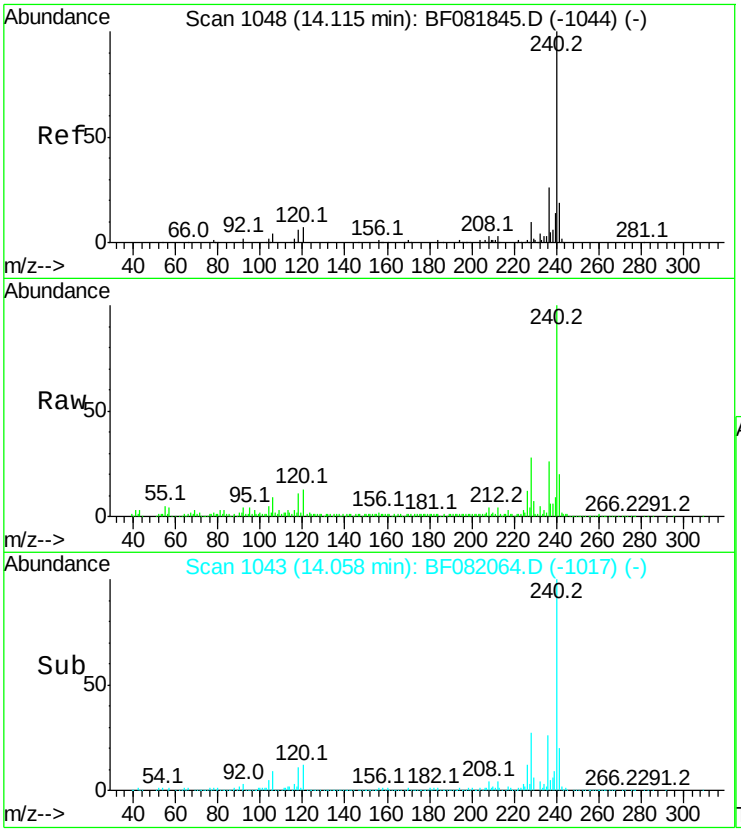


#74
Fluoranthene
Concen: 9.26 ng
RT: 12.63 min Scan# 918
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:202 Resp: 142577

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	38.3
203	17.9	0.0	37.3

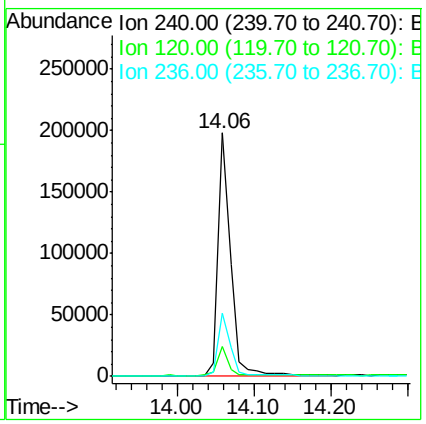




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:240 Resp: 226304

Ion	Ratio	Lower	Upper
240	100		
120	12.5	16.2	24.2#
236	25.8	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SS-9(0-24)

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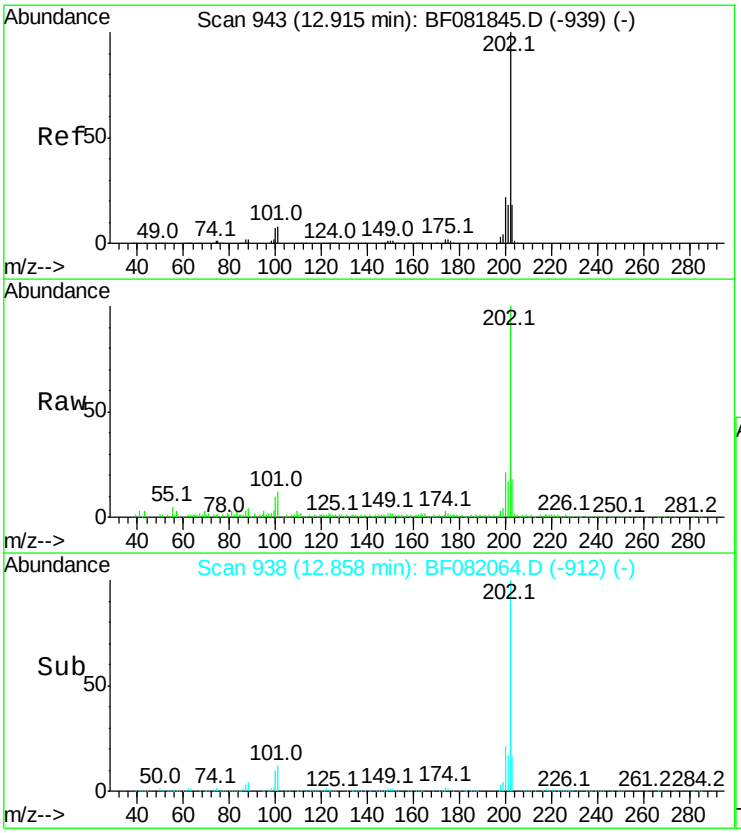
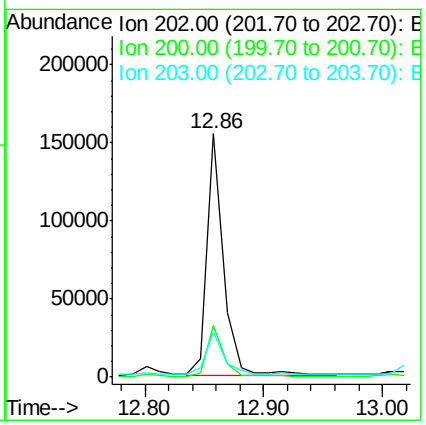
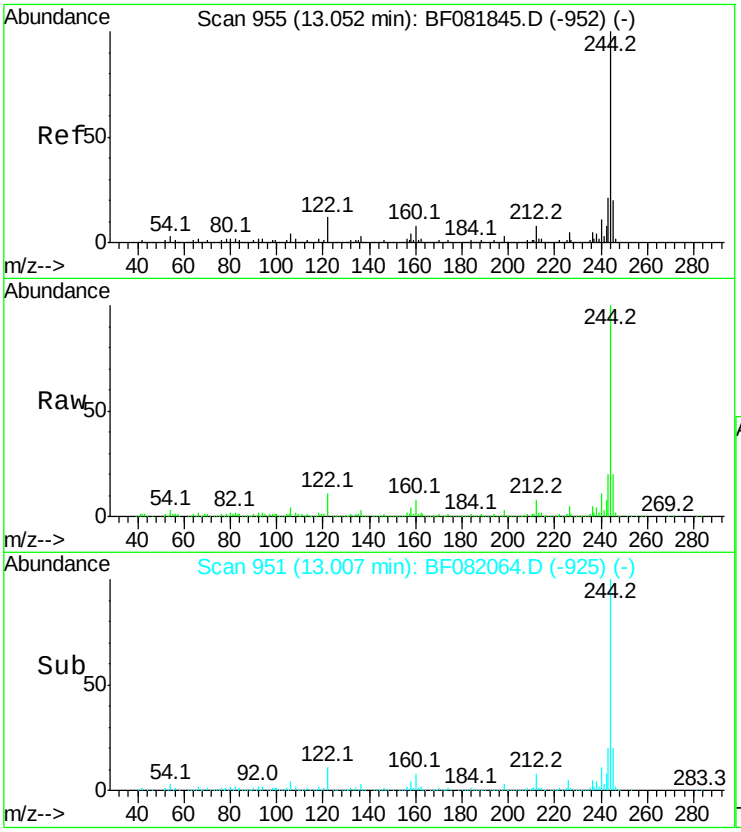


#77
Pyrene
Concen: 11.13 ng
RT: 12.86 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:202 Resp: 150438

Ion	Ratio	Lower	Upper
202	100		
200	21.0	15.0	22.4
203	18.4	14.1	21.1

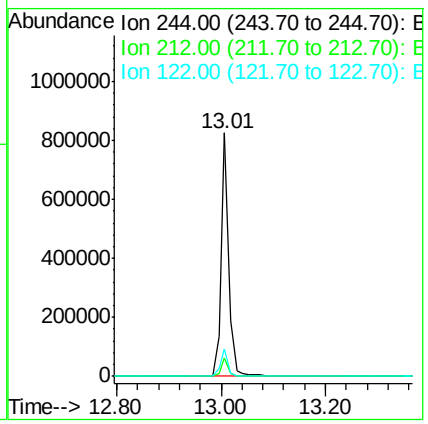




#78
Terphenyl-d14
Concen: 149.69 ng
RT: 13.01 min Scan# 951
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:244 Resp: 837498

Ion	Ratio	Lower	Upper
244	100		
212	7.5	4.3	6.5#
122	11.4	17.4	26.2#



Instrument :
BNA_F
ClientSampleId :
SS-9(0-24)

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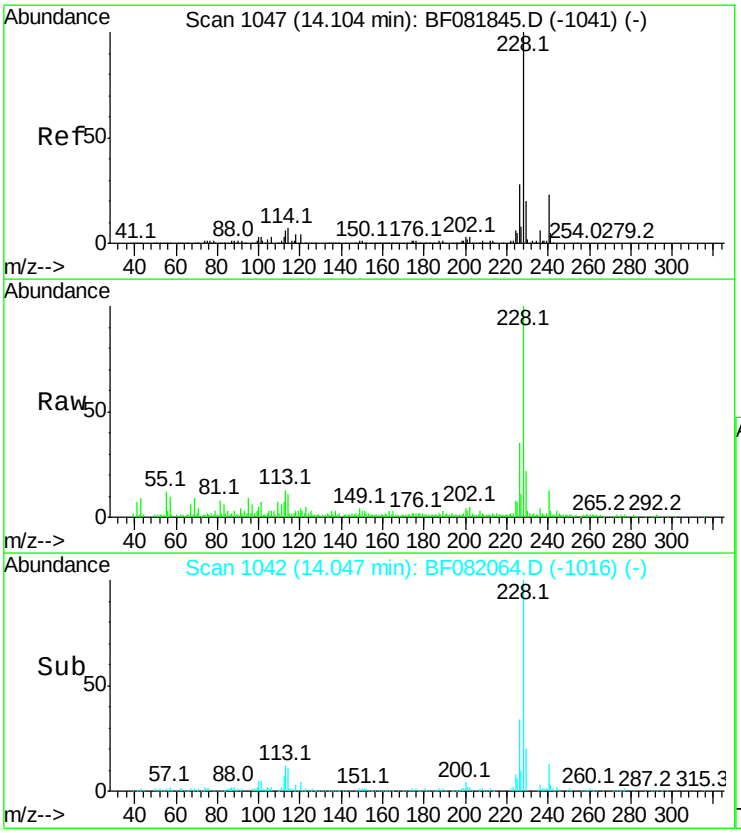
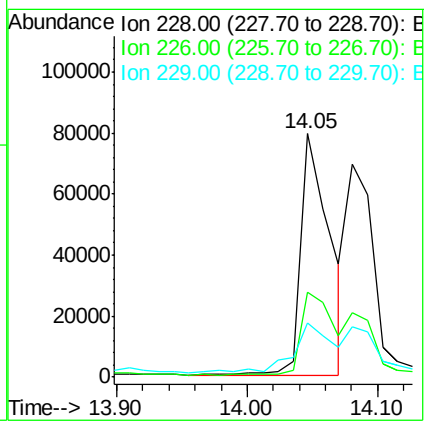
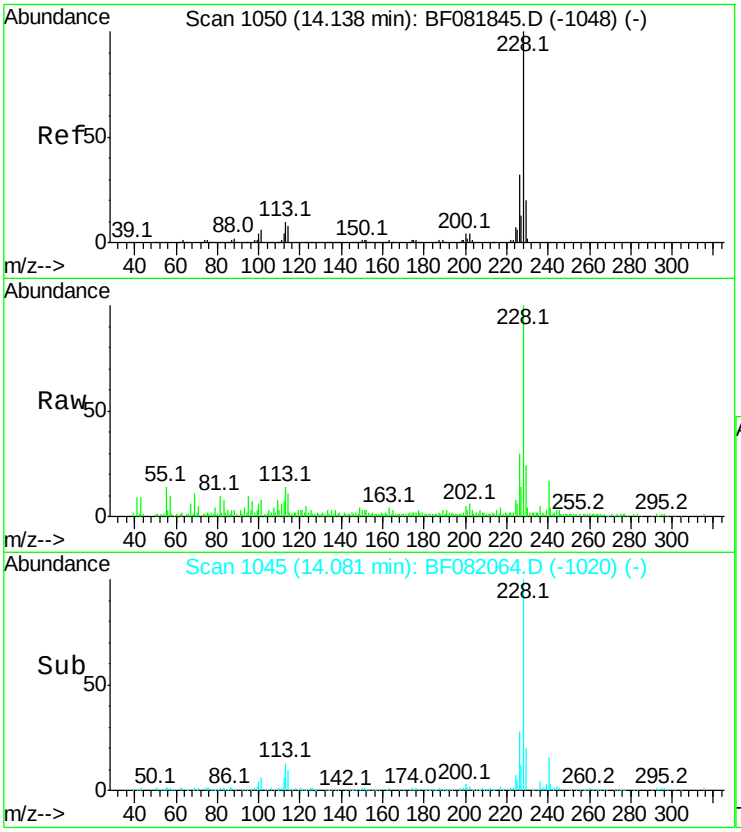


#80
Benzo(a)anthracene
Concen: 9.98 ng
RT: 14.05 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:228 Resp: 121596

Ion	Ratio	Lower	Upper
228	100		
226	34.9	20.0	30.0#
229	22.3	15.4	23.2





#82
Chrysene
Concen: 7.63 ng m
RT: 14.08 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:228 Resp: 105184

Ion	Ratio	Lower	Upper
228	100		
226	30.1	21.0	31.4
229	23.9	15.6	23.4#

Instrument :
BNA_F
ClientSampleId :
SS-9(0-24)

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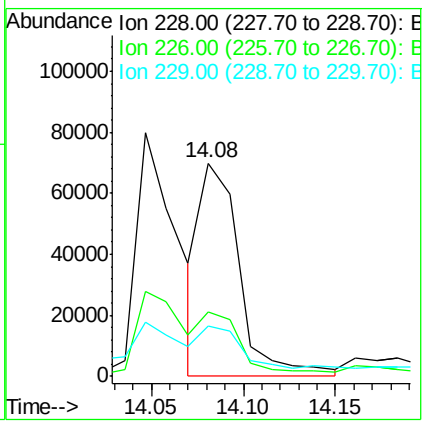
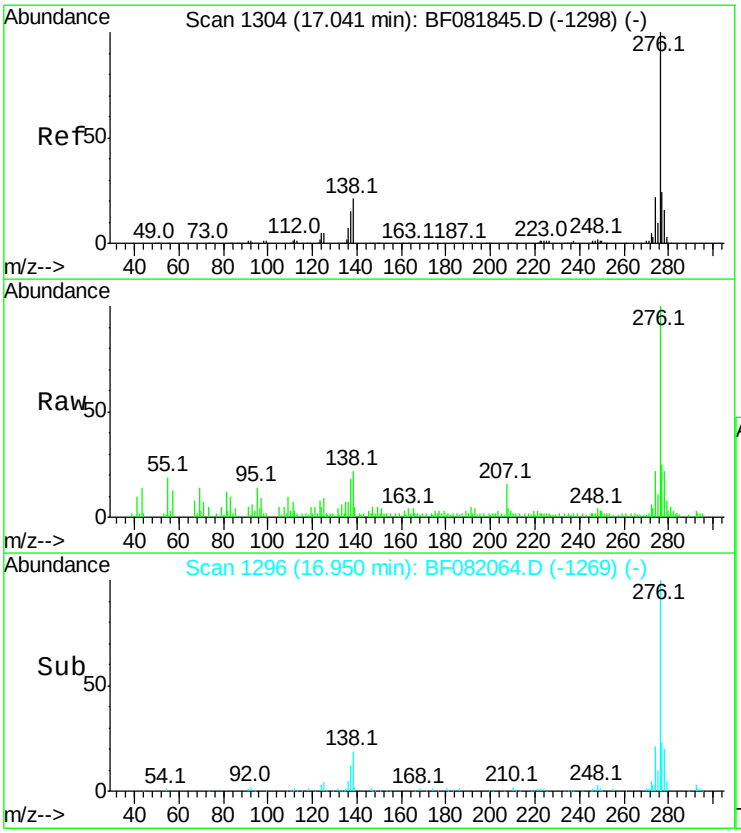
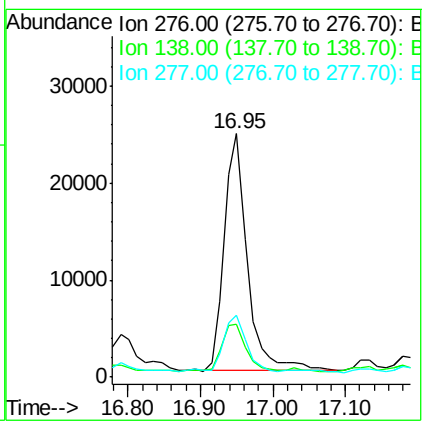


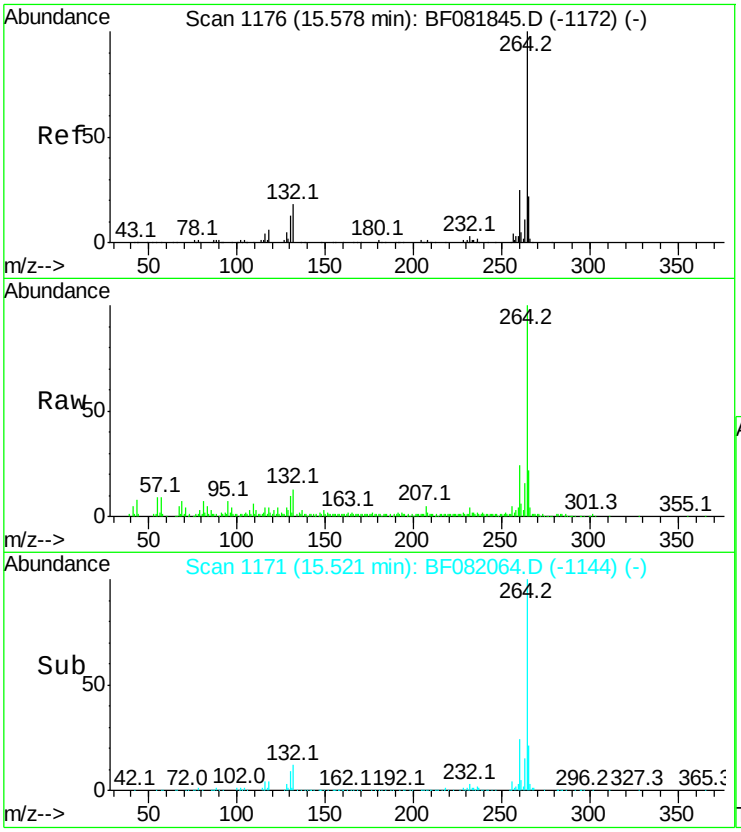


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.72 ng
RT: 16.95 min Scan# 1296
Delta R.T. 0.01 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:276 Resp: 54492

Ion	Ratio	Lower	Upper
276	100		
138	21.0	25.7	38.5#
277	24.2	15.6	23.4#

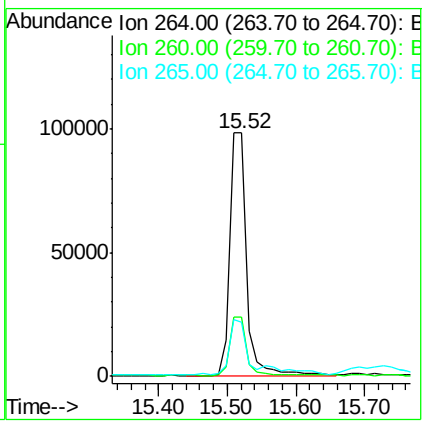




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:264 Resp: 173408

Ion	Ratio	Lower	Upper
264	100		
260	24.3	16.7	25.1
265	22.0	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
SS-9(0-24)

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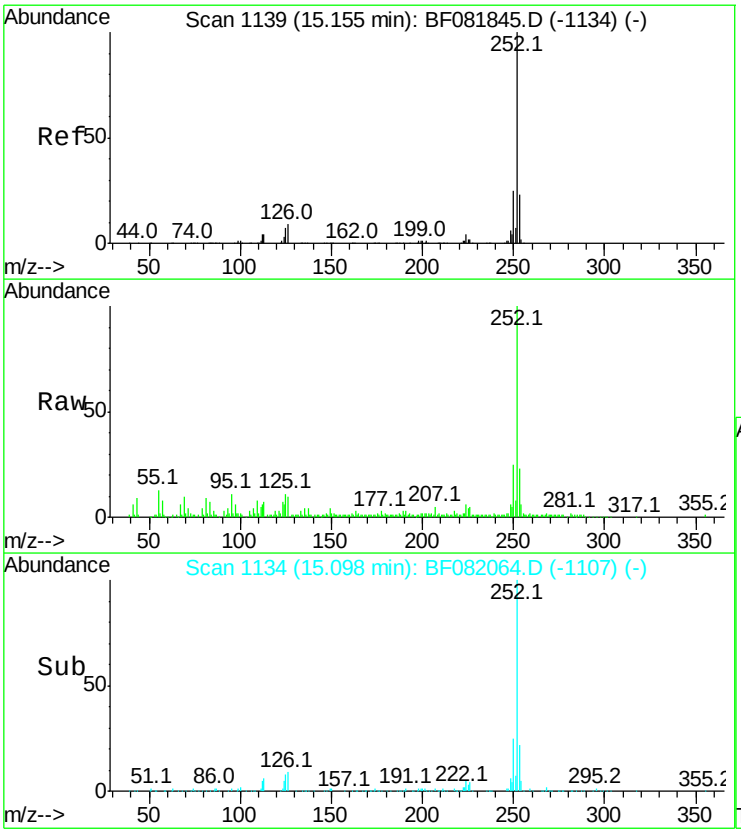
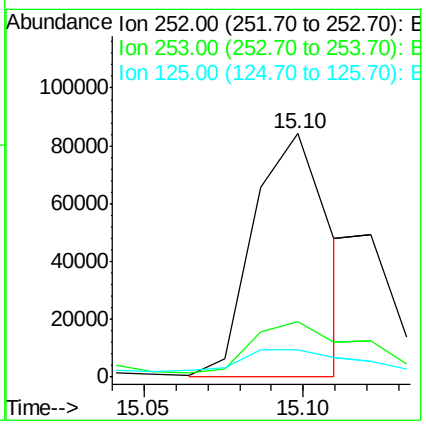
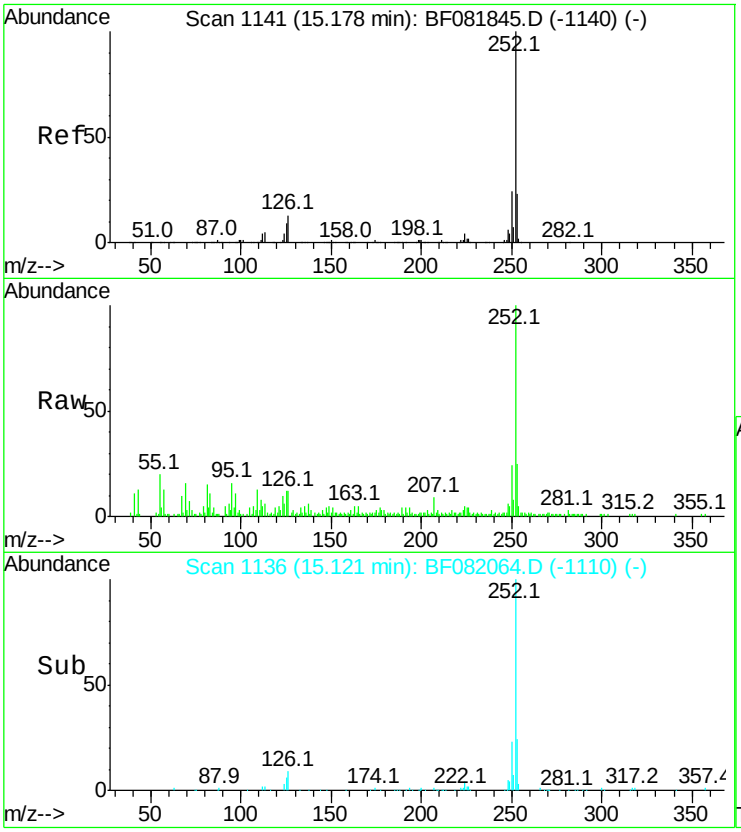


#87
Benzo(b)fluoranthene
Concen: 14.13 ng m
RT: 15.10 min Scan# 1134
Delta R.T. 0.01 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:252 Resp: 139909

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	11.2	17.1	25.7#





#88
Benzo(k)fluoranthene
Concen: 5.58 ng m
RT: 15.12 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:252 Resp: 50600

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.4
125	11.5	16.0	24.0#

Instrument :
BNA_F
ClientSampleId :
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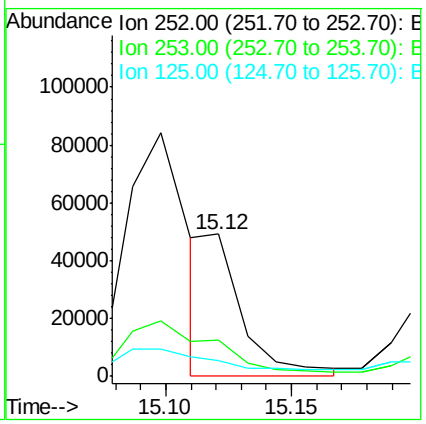
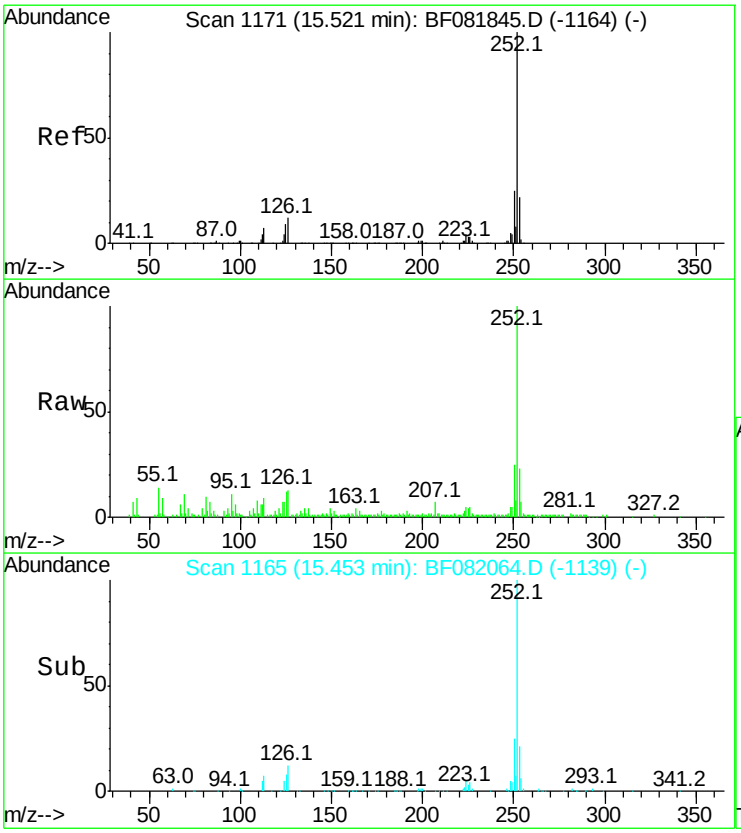
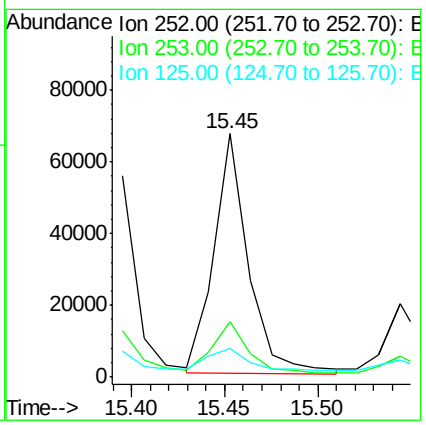


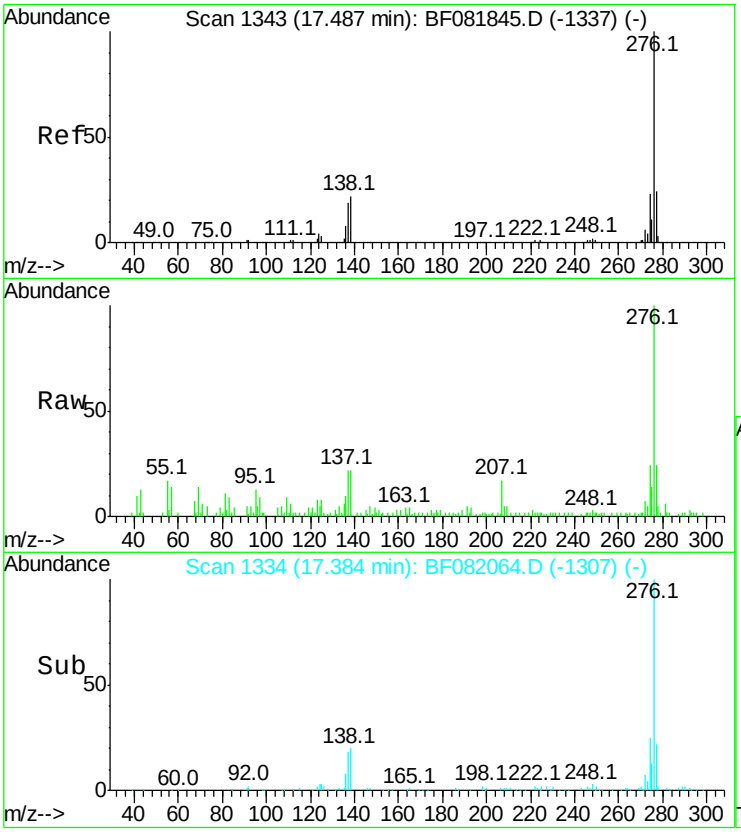


#89
Benzo(a)pyrene
Concen: 10.07 ng
RT: 15.45 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:252 Resp: 86463

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	11.5	18.0	27.0#

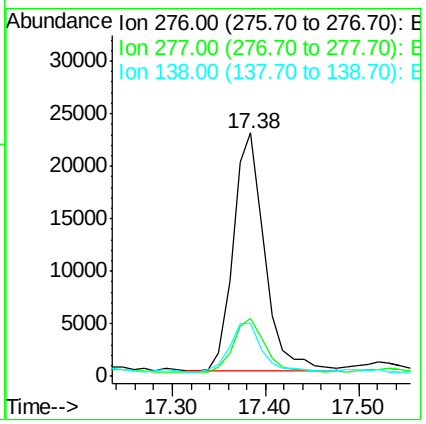




#91
Benzo(g,h,i)perylene
Concen: 7.12 ng
RT: 17.38 min Scan# 1334
Delta R.T. 0.01 min
Lab File: BF082064.D
Acq: 6 Oct 2015 1:01

Tgt Ion:276 Resp: 52602

Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.8	26.6
138	21.6	34.6	51.8#



Instrument :
BNA_F
ClientSampleId :
SS-9(0-24)

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