Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
Data File : BF088934.D
Acq On : 12 Jul 2016 22:27
Operator : UM/SJ
Sample : H3934-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C2.3-01

Manual Integrations APPROVED
SOHIL
7/13/2016 9:25:41 AM

Quant Time: Jul 13 03:56:28 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	63534	20.00	ng		0.00
21) Naphthalene-d8	7.99	136	234723	20.00	ng		-0.01
38) Acenaphthene-d10	9.74	164	92510	20.00	ng		-0.01
63) Phenanthrene-d10	11.21	188	137765	20.00	ng		-0.01
75) Chrysene-d12	13.84	240	135059	20.00	ng		-0.01
86) Perylene-d12	15.21	264	117178	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.30	112	436314	102.92	ng		0.01
7) Phenol-d6	6.35	99	563247	102.83	ng		0.00
23) Nitrobenzene-d5	7.27	82	330930	73.88	ng		-0.01
41) 2,4,6-Tribromophenol	10.52	330	84852	98.77	ng		-0.01
44) 2-Fluorobiphenyl	9.07	172	601875	102.77	ng		0.00
78) Terphenyl-d14	12.80	244	339558	56.00	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.46	163	89701	13.61	ng		99
74) Fluoranthene	12.42	202	22589	2.96	ng		96
77) Pyrene	12.64	202	24527	2.14	ng		98
80) Benzo(a)anthracene	13.83	228	19587	2.25	ng	#	83
82) Chrysene	13.86	228	24443m	2.84	ng		
85) Indeno(1,2,3-cd)pyrene	16.49	276	14135	2.14	ng	#	100
87) Benzo(b)fluoranthene	14.83	252	44687m	6.08	ng		
88) Benzo(k)fluoranthene	14.86	252	14427m	2.25	ng		
89) Benzo(a)pyrene	15.15	252	20405	3.28	ng		97
91) Benzo(g,h,i)perylene	16.88	276	11928	2.22	ng		97

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
Data File : BF088934.D
Acq On : 12 Jul 2016 22:27
Operator : UM/SJ
Sample : H3934-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 13 03:56:28 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
C2.3-01

Manual Integrations
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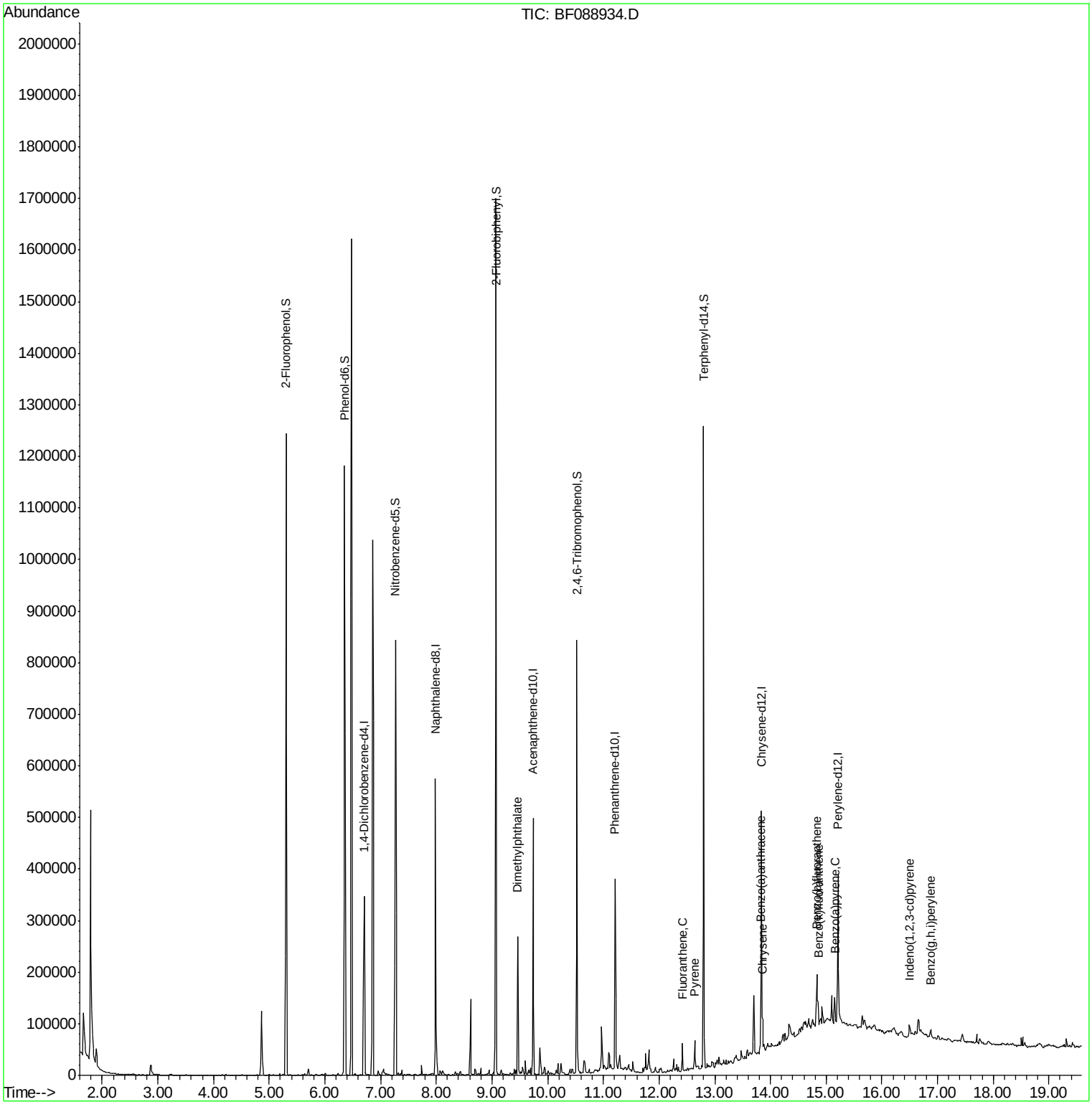
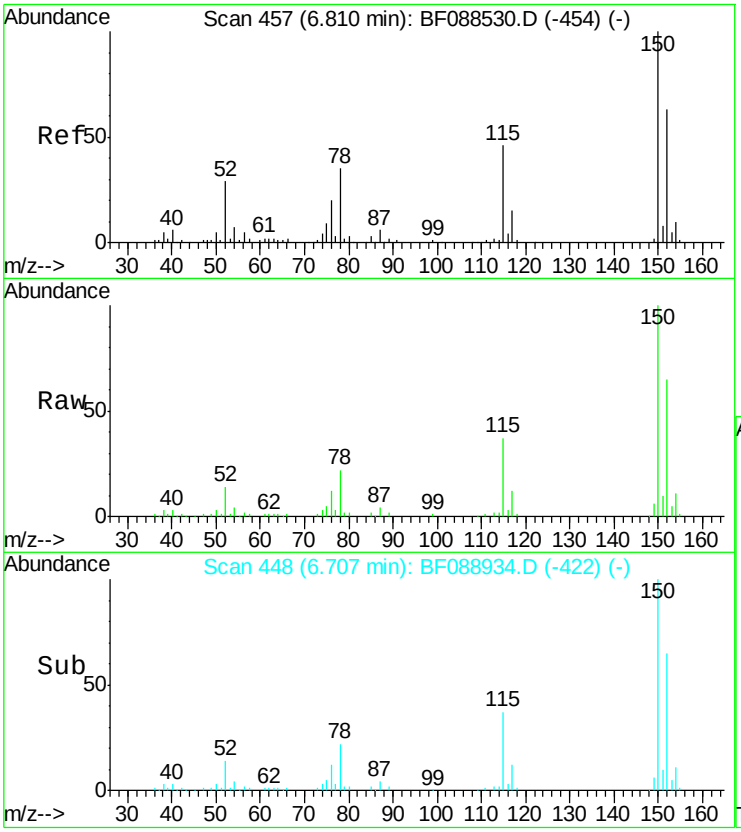
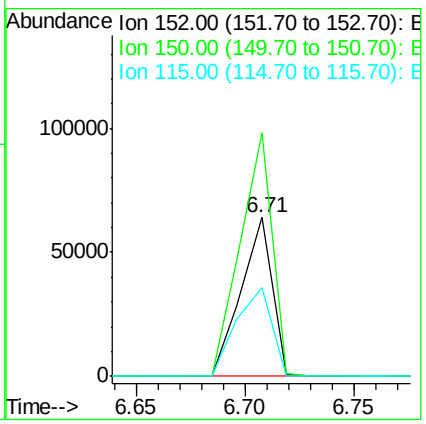




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:152 Resp: 63534

Ion	Ratio	Lower	Upper
152	100		
150	153.6	123.8	185.6
115	56.2	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
C2.3-01

Manual Integrations
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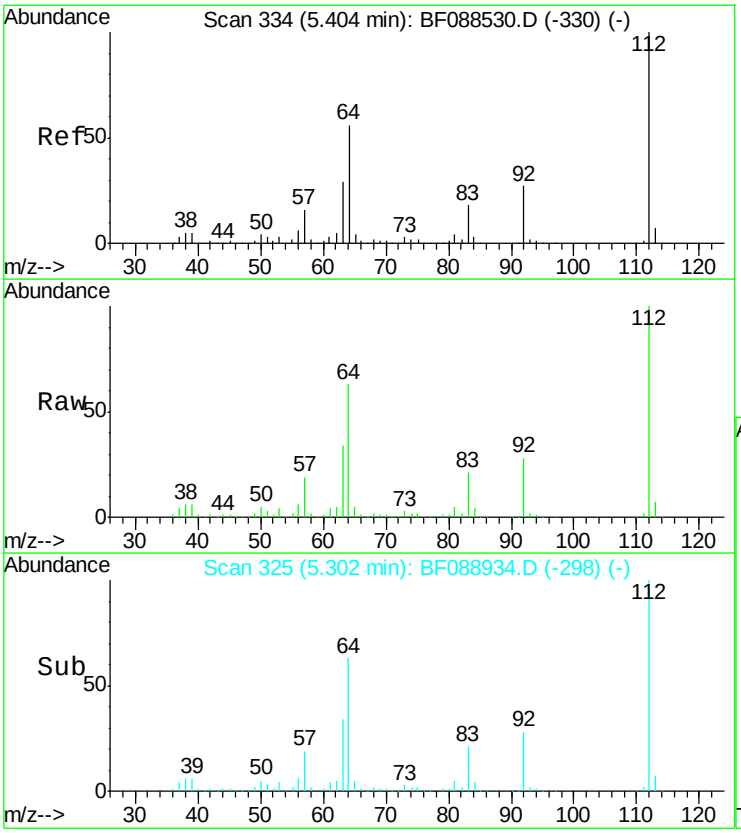
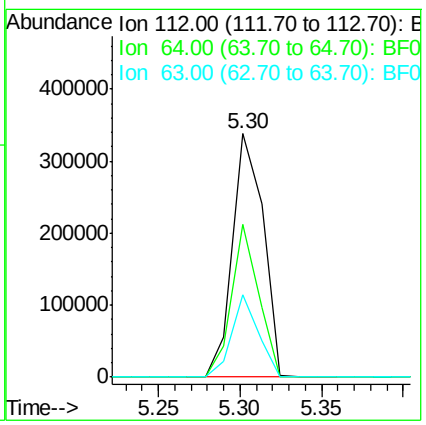
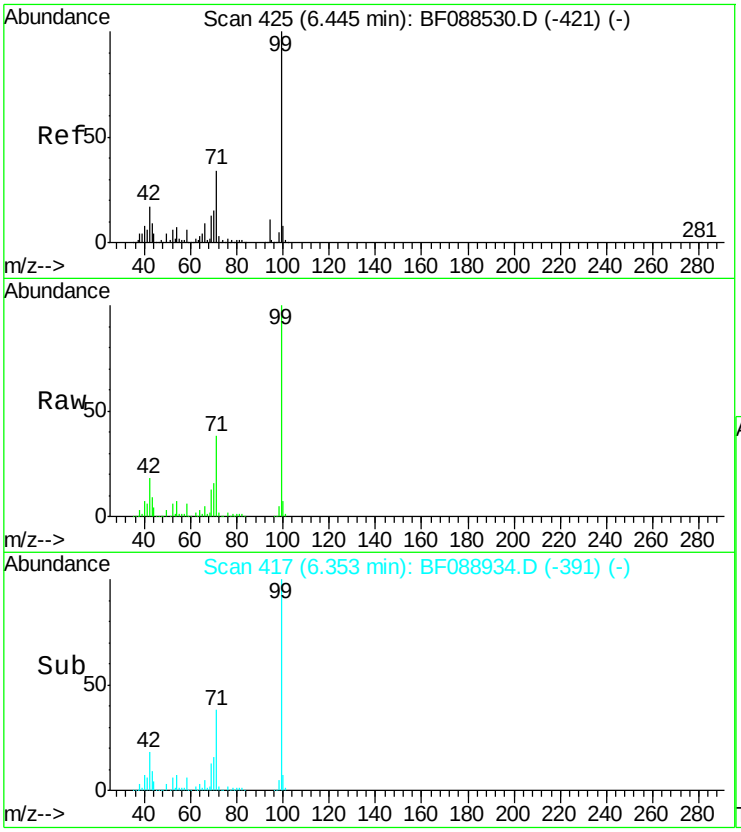


#5
2-Fluorophenol
Concen: 102.92 ng
RT: 5.30 min Scan# 325
Delta R.T. 0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:112 Resp: 436314

Ion	Ratio	Lower	Upper
112	100		
64	62.6	42.2	63.2
63	33.6	21.8	32.8#

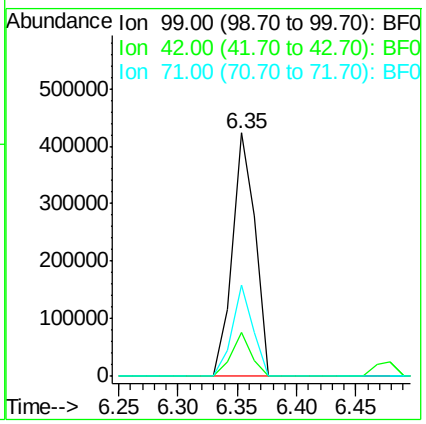




#7
Phenol-d6
Concen: 102.83 ng
RT: 6.35 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion: 99 Resp: 563247

Ion	Ratio	Lower	Upper
99	100		
42	18.1	12.2	18.2
71	37.8	23.4	35.0#



Instrument :
BNA_F
ClientSampleId :
C2.3-01

Manual Integrations
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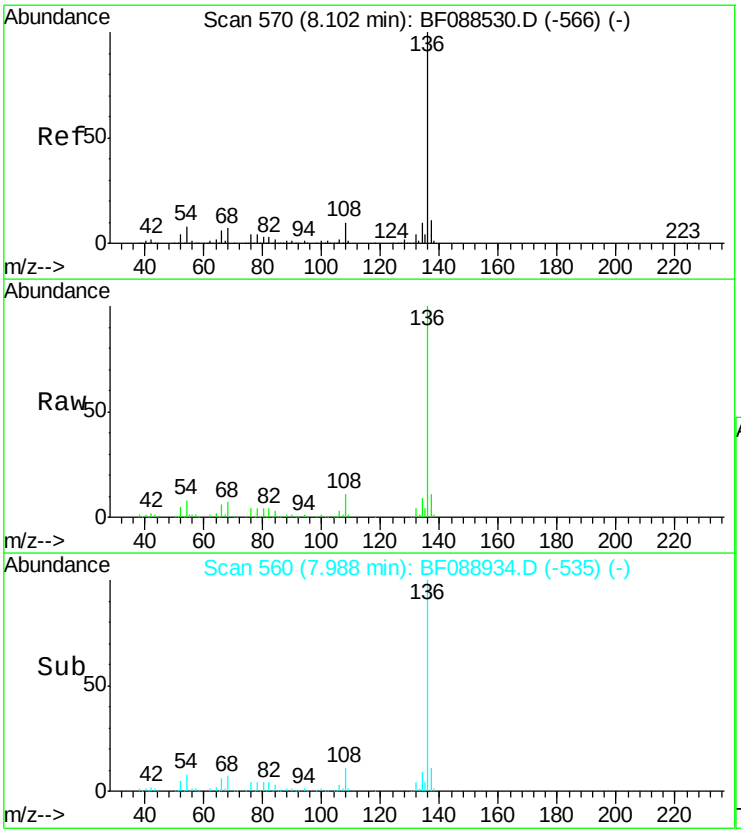
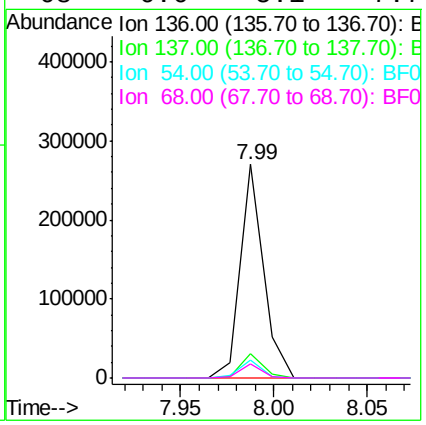
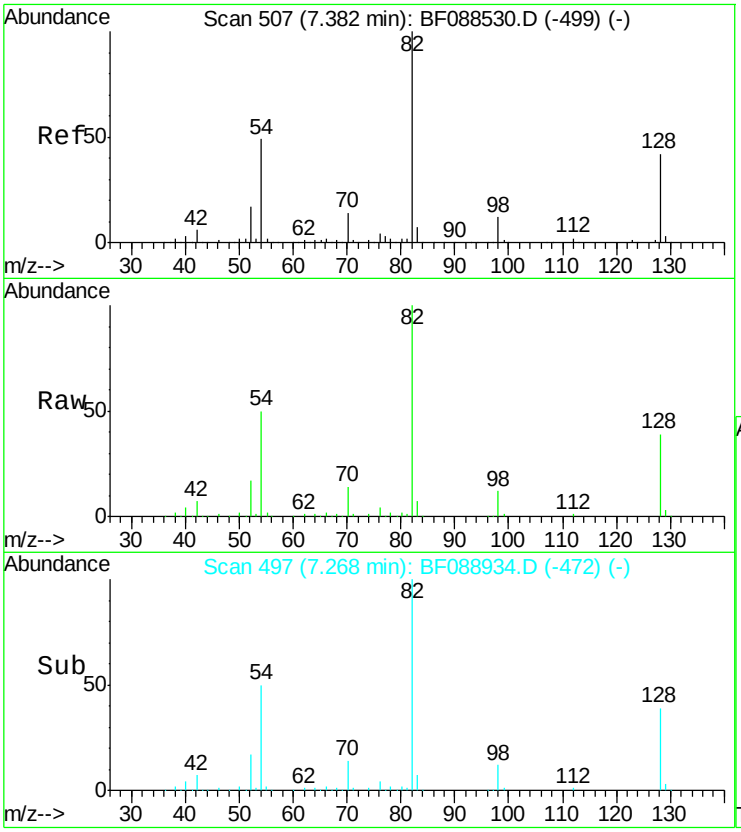


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:136 Resp: 234723

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.4	6.6	10.0
68	6.6	5.1	7.7

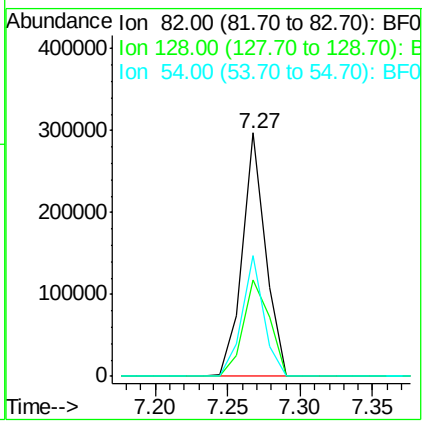




#23
Nitrobenzene-d5
Concen: 73.88 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion: 82 Resp: 330930

Ion	Ratio	Lower	Upper
82	100		
128	39.4	35.9	53.9
54	49.8	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
C2.3-01

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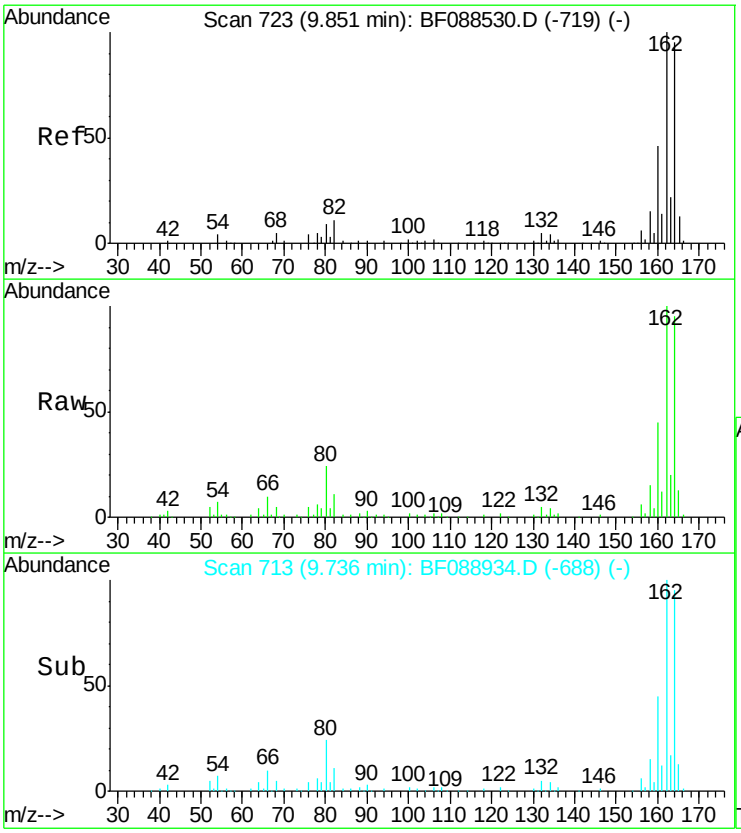
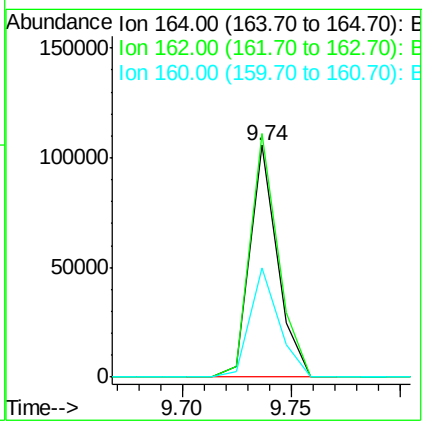
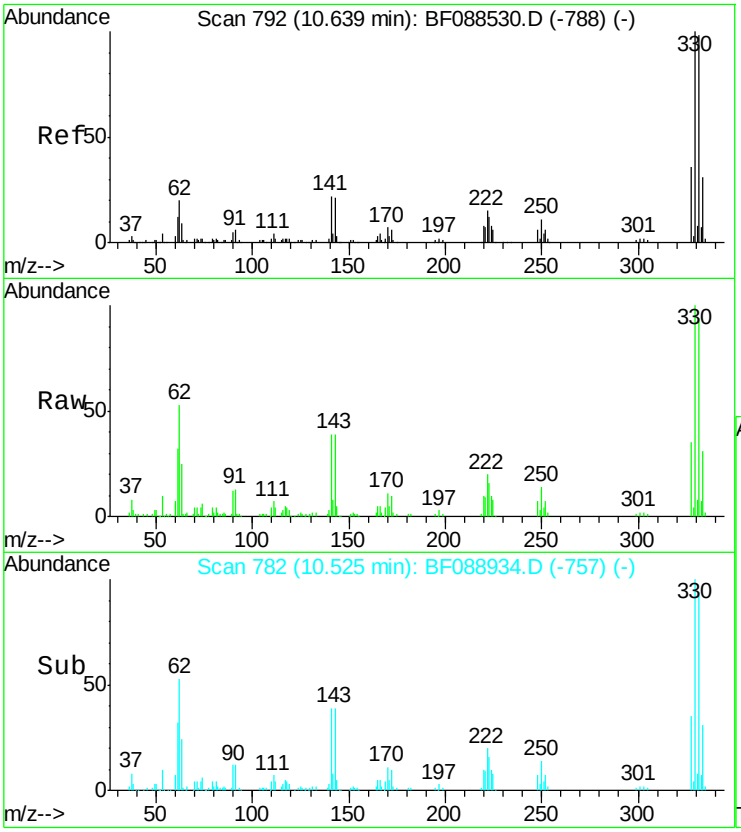


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:164 Resp: 92510

Ion	Ratio	Lower	Upper
164	100		
162	104.9	85.4	128.2
160	47.0	39.5	59.3

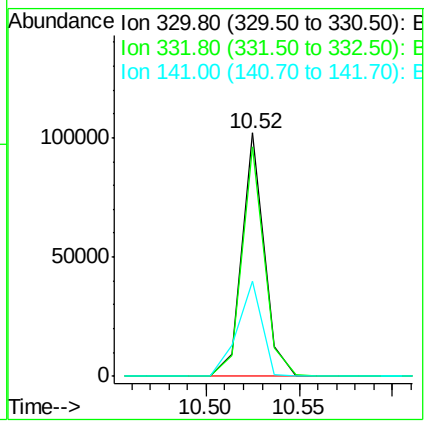




#41
2,4,6-Tribromophenol
Concen: 98.77 ng
RT: 10.52 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:330 Resp: 84852

Ion	Ratio	Lower	Upper
330	100		
332	94.8	0.0	0.0#
141	44.0	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
C2.3-01

Manual Integrations
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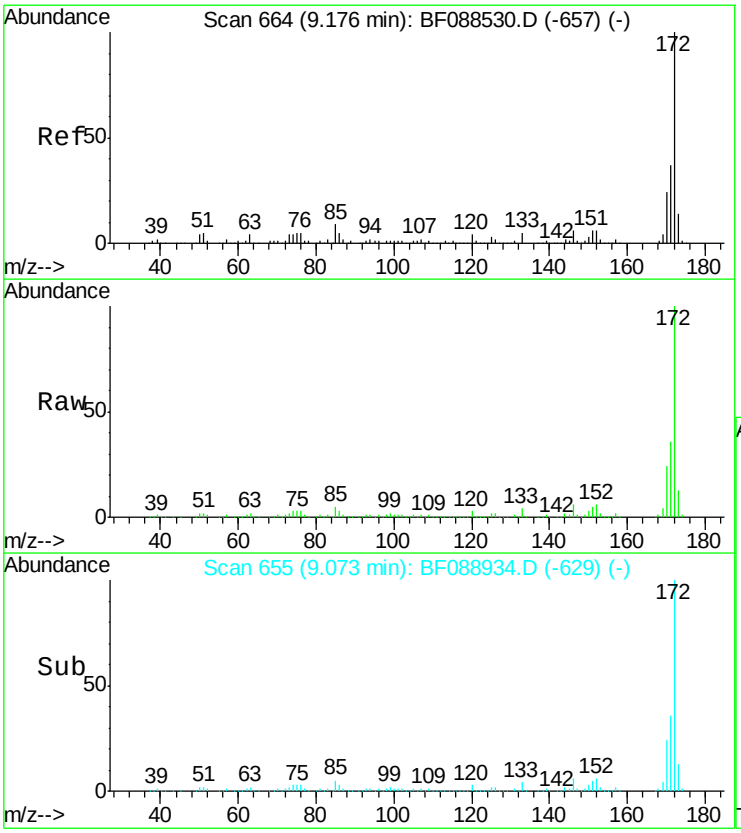
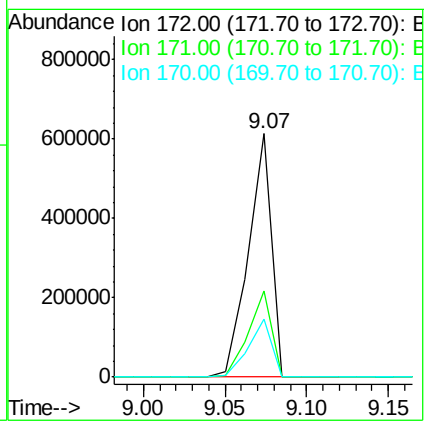
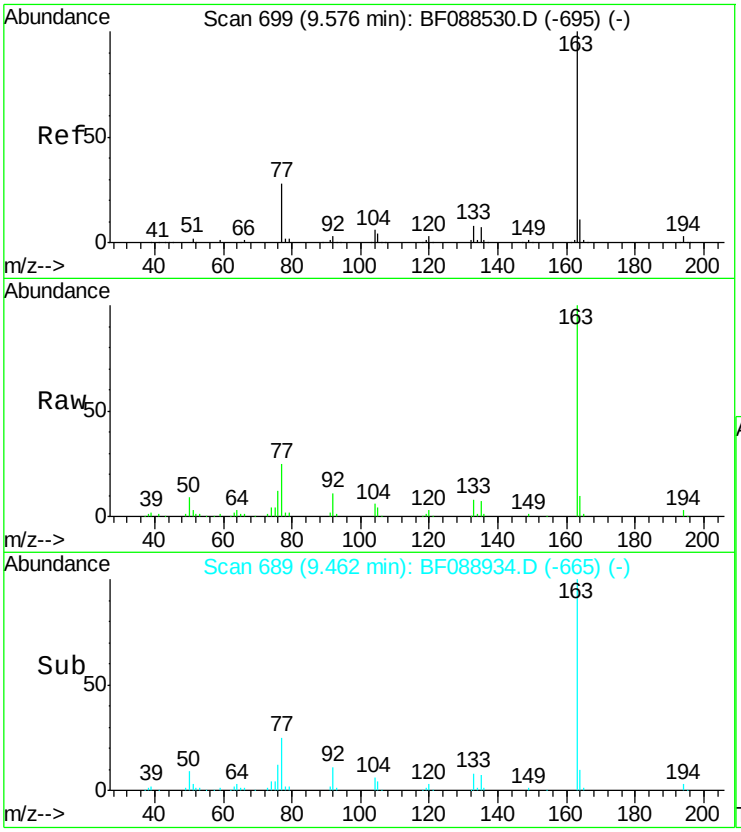


#44
2-Fluorobiphenyl
Concen: 102.77 ng
RT: 9.07 min Scan# 655
Delta R.T. 0.00 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:172 Resp: 601875

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.7	19.2	28.8

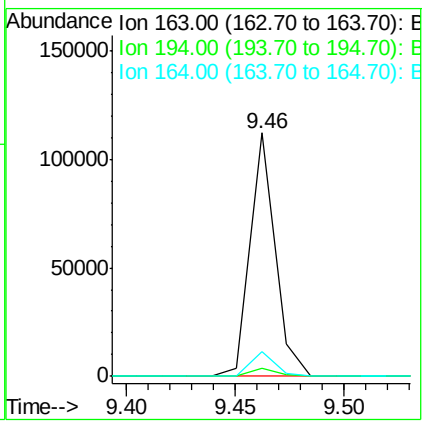




#49
Dimethylphthalate
Concen: 13.61 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.02 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:163 Resp: 89701

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	9.9	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
C2.3-01

Manual Integrations
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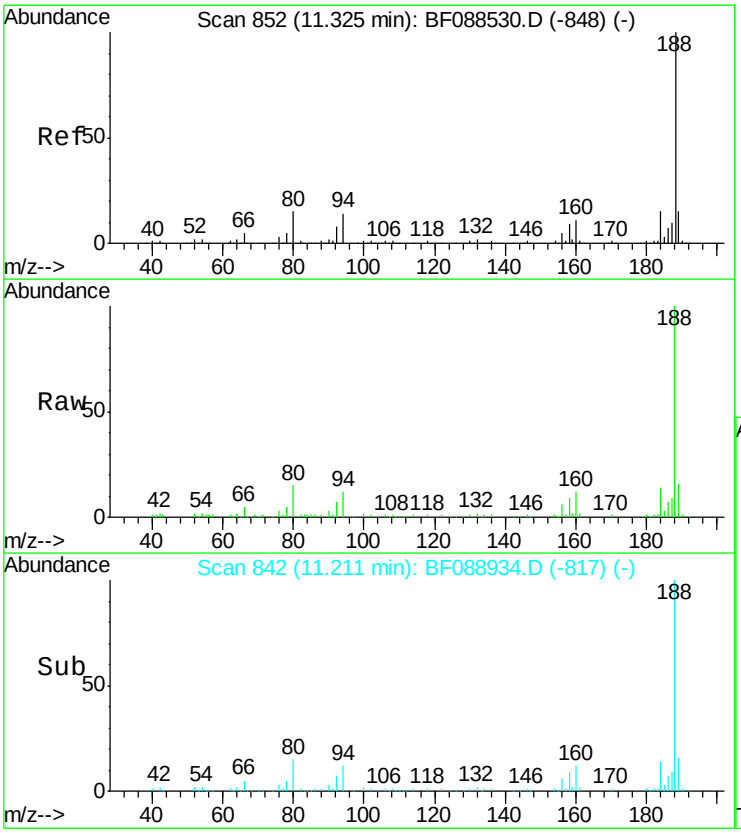
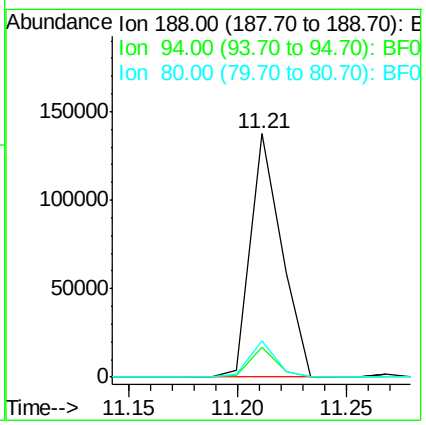
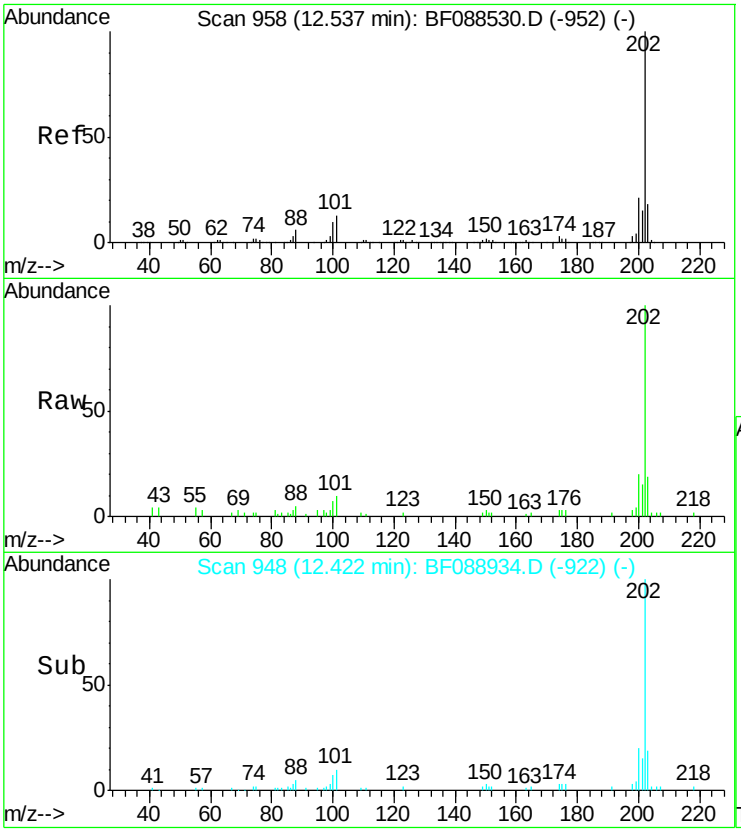


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:188 Resp: 137765

Ion	Ratio	Lower	Upper
188	100		
94	12.5	9.0	13.6
80	14.7	10.0	15.0

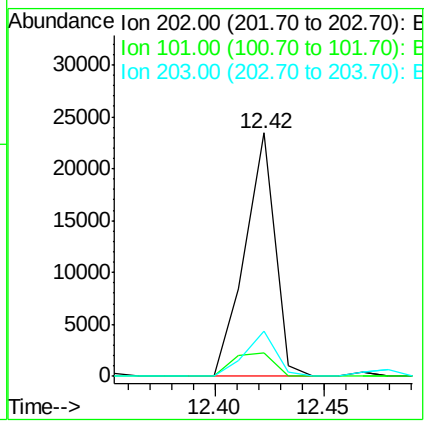




#74
Fluoranthene
Concen: 2.96 ng
RT: 12.42 min Scan# 948
Delta R.T. 0.00 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:202 Resp: 22589

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	33.1
203	18.6	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
C2.3-01

Manual Integrations
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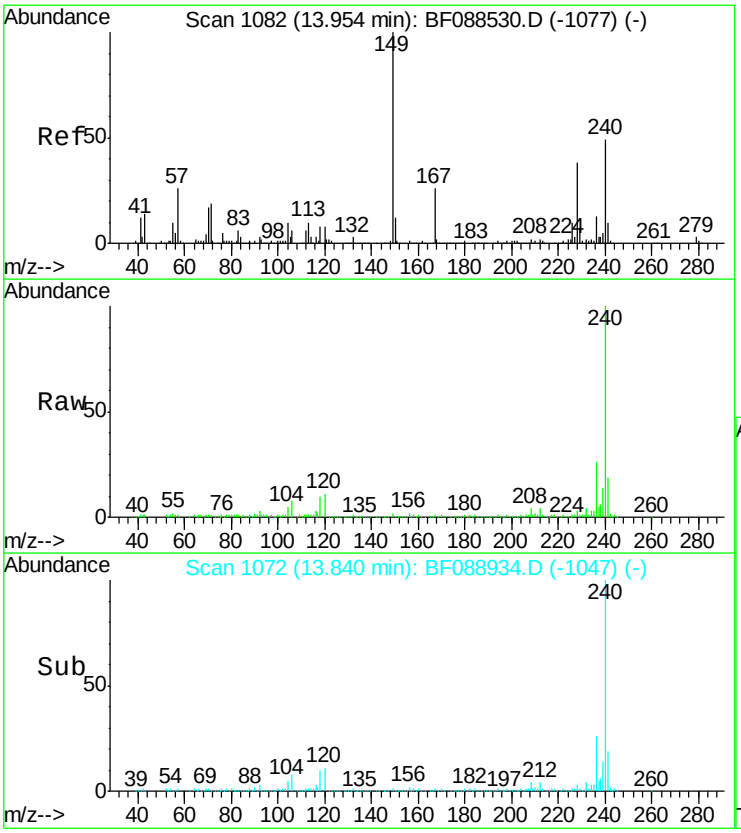
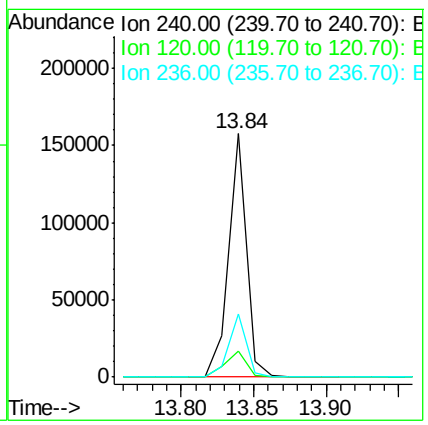
7/13/2016 9:25:41 AM

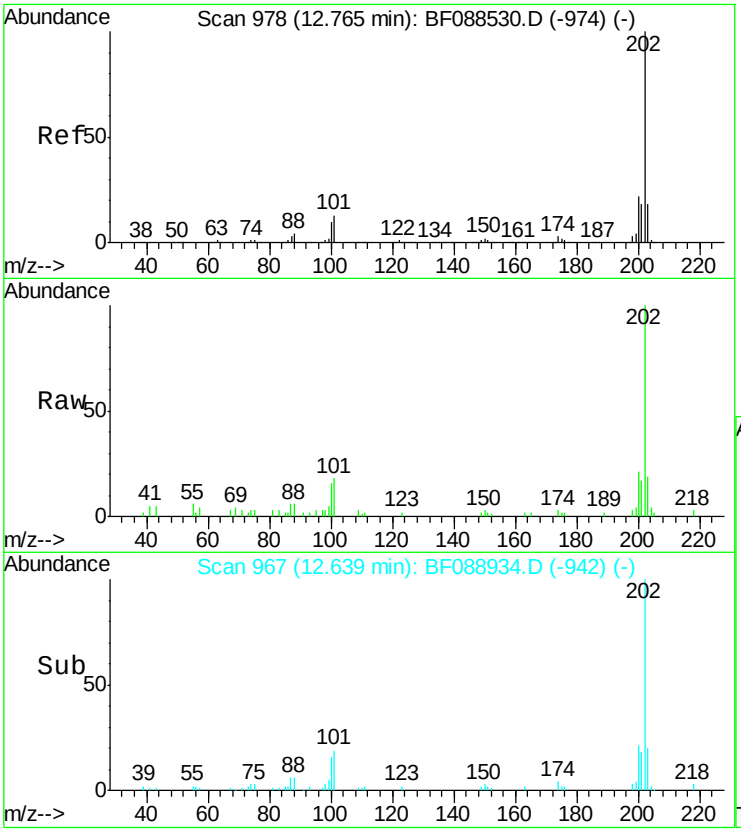


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:240 Resp: 135059

Ion	Ratio	Lower	Upper
240	100		
120	10.6	6.8	10.2#
236	26.1	20.2	30.2

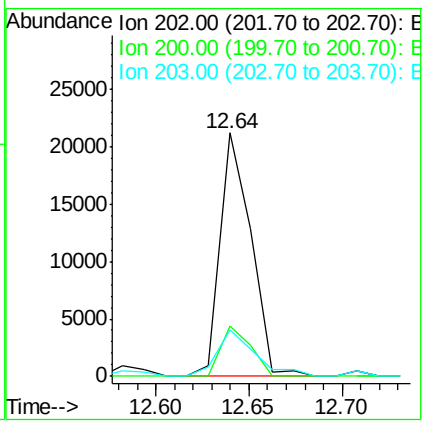




#77
Pyrene
Concen: 2.14 ng
RT: 12.64 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:202 Resp: 24527

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	19.2	14.5	21.7



Instrument :
BNA_F
ClientSampleId :
C2.3-01

Manual Integrations
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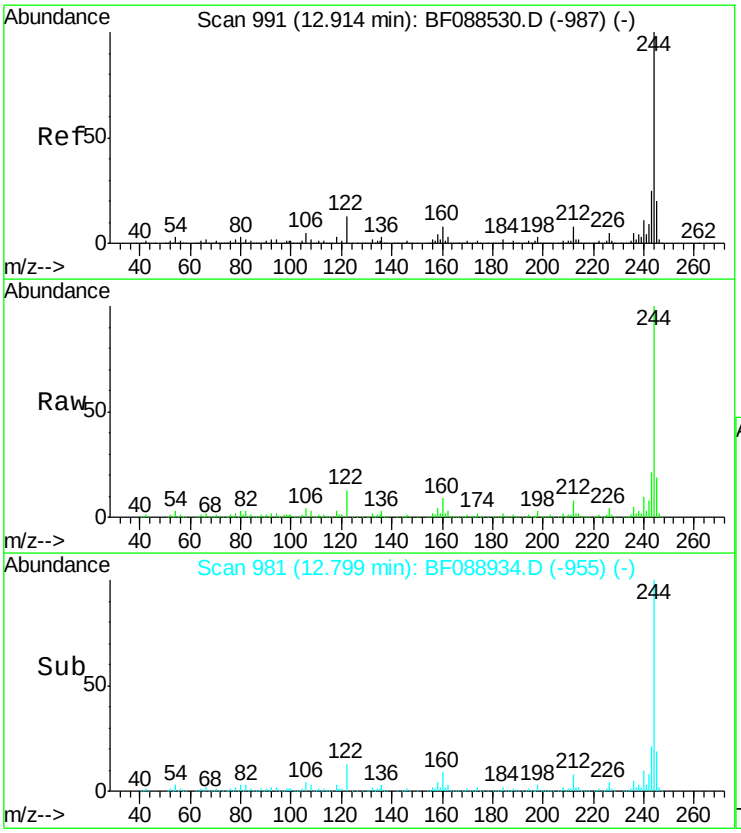
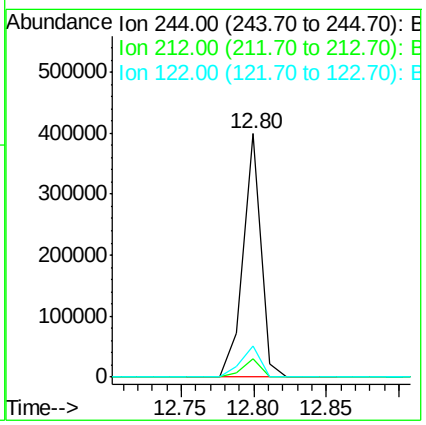
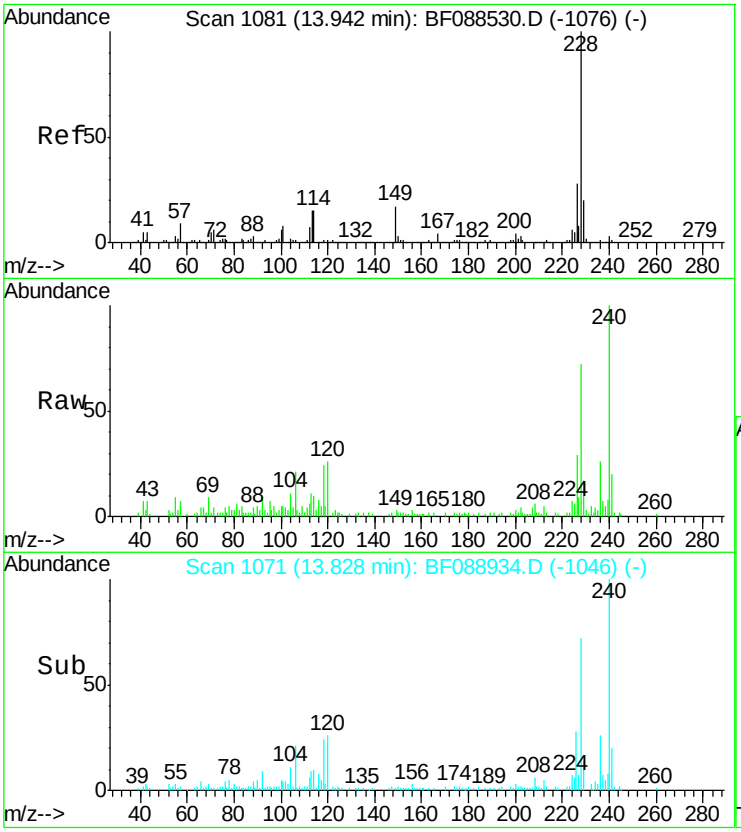


#78
Terphenyl-d14
Concen: 56.00 ng
RT: 12.80 min Scan# 981
Delta R.T. 0.00 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:244 Resp: 339558

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	12.8	11.2	16.8





#80
Benzo(a)anthracene
Concen: 2.25 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:228 Resp: 19587

Ion	Ratio	Lower	Upper
228	100		
226	40.7	22.3	33.5#
229	23.4	16.0	24.0

Instrument :
BNA_F
ClientSampleId :
C2.3-01

Manual Integrations
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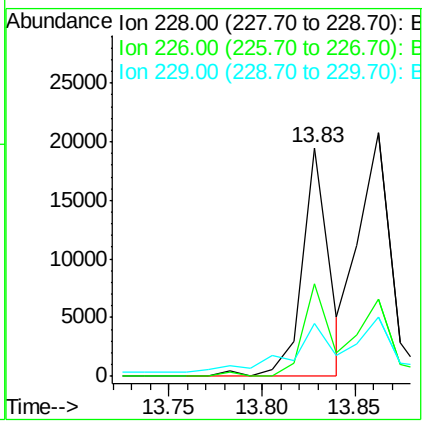
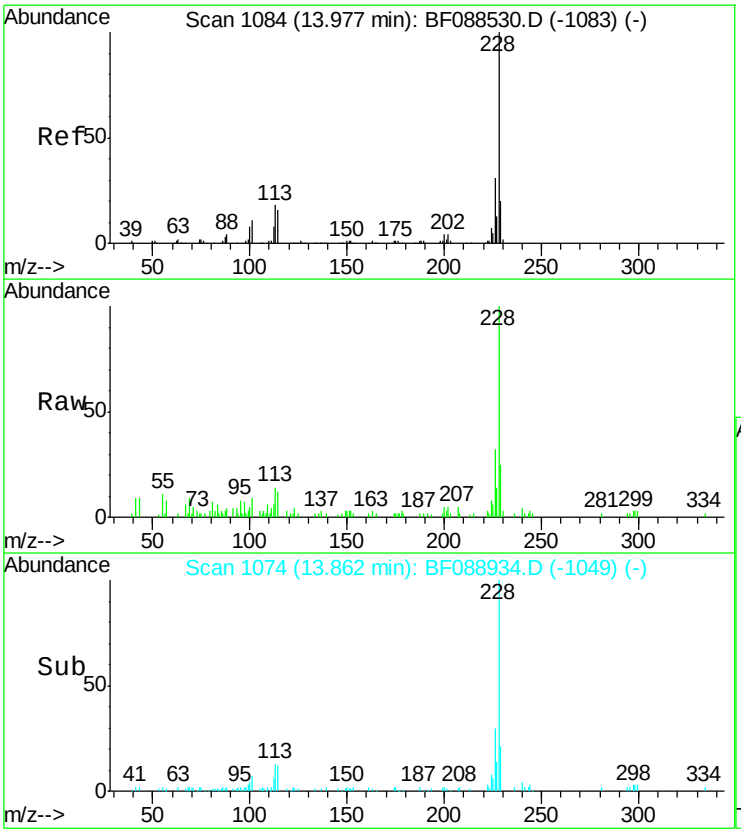
SOHIL
7/13/2016 9:25:41 AM

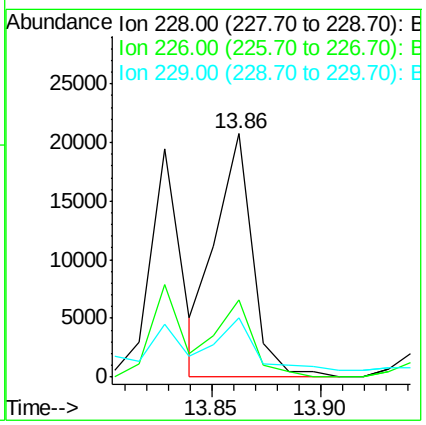


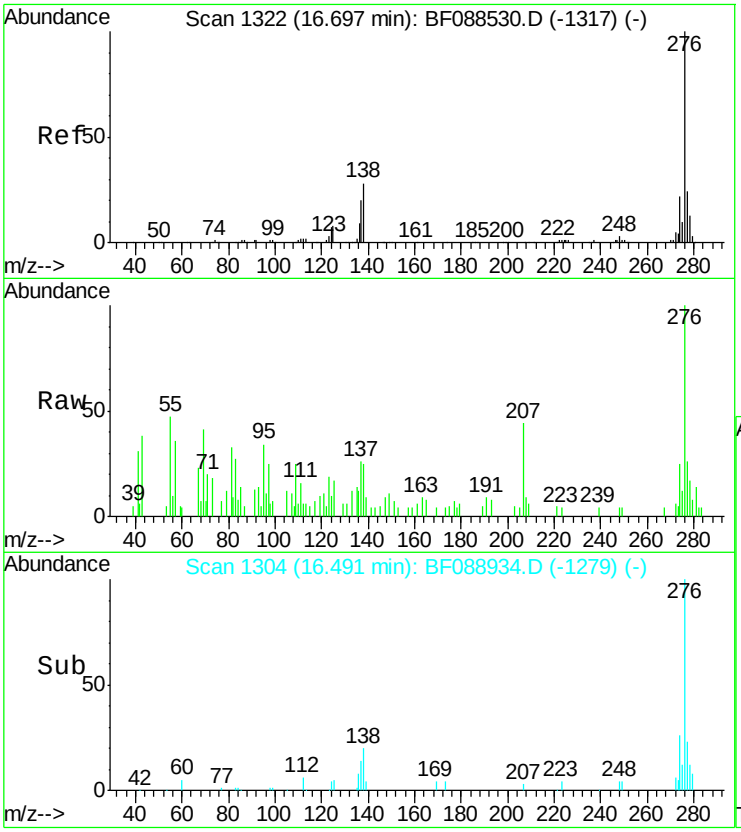


#82
Chrysene
Concen: 2.84 ng m
RT: 13.86 min Scan# 1074
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:228 Resp: 24443

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.4	38.2
229	24.5	16.3	24.5#





#85
Indeno(1,2,3-cd)pyrene
Concen: 2.14 ng
RT: 16.49 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:276 Resp: 14135

Ion	Ratio	Lower	Upper
276	100		
138	42.0	0.0	0.0#
277	28.4	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
C2.3-01

Manual Integrations
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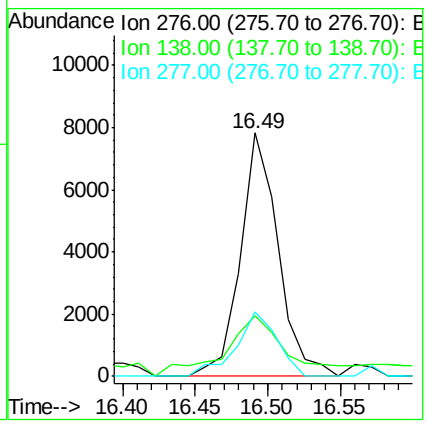
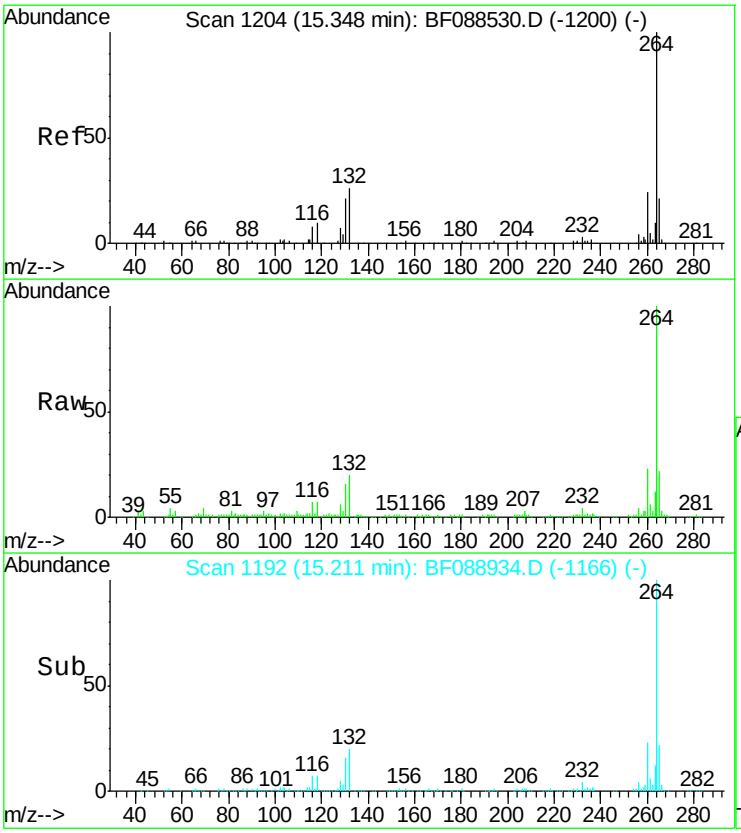
7/13/2016 9:25:41 AM

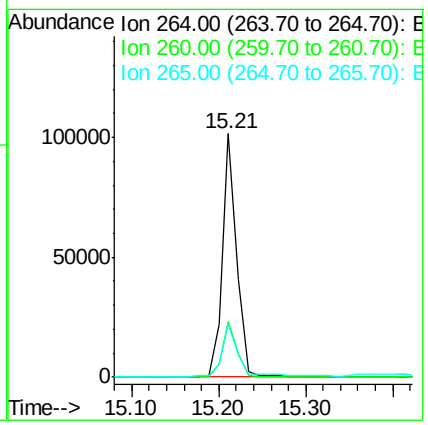


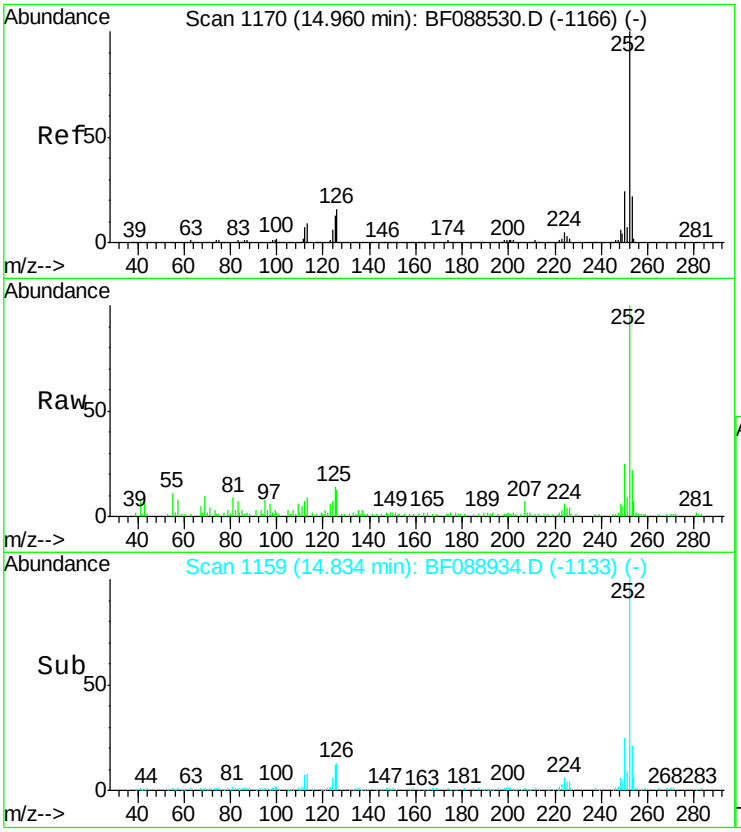


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:264 Resp: 117178

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.7	16.9	25.3





#87
Benzo(b)fluoranthene
Concen: 6.08 ng m
RT: 14.83 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:252 Resp: 44687

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	13.7	7.1	10.7#

Instrument :
BNA_F
ClientSampleId :
C2.3-01

Manual Integrations
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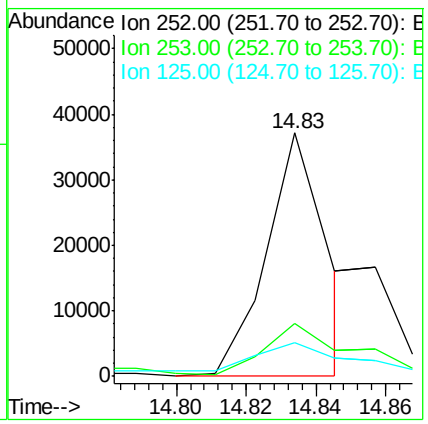
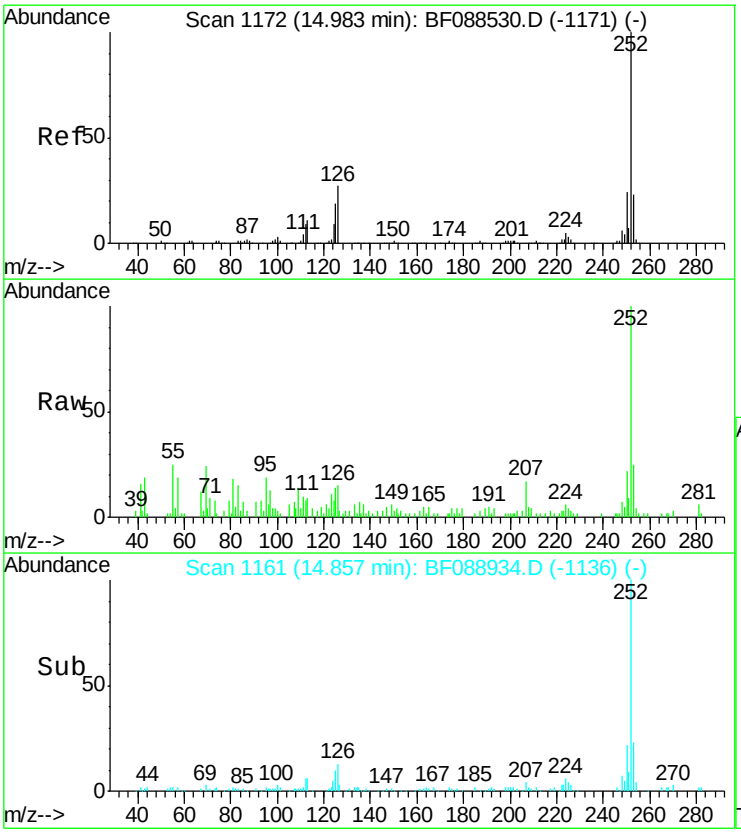
7/13/2016 9:25:41 AM

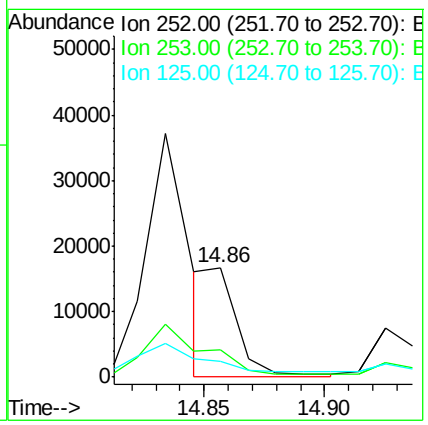


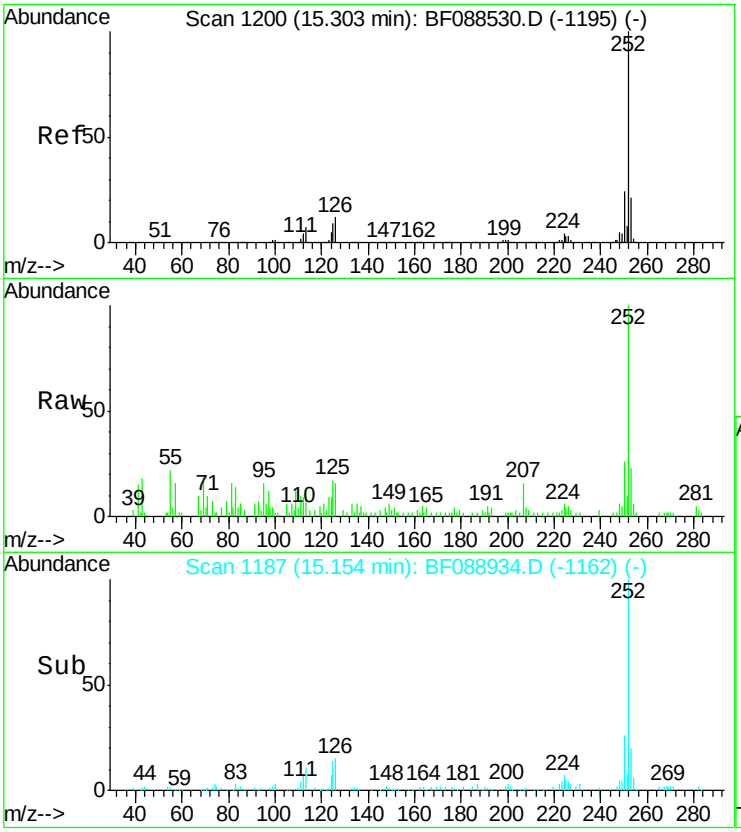


#88
Benzo(k)fluoranthene
Concen: 2.25 ng m
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:252 Resp: 14427

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.0	27.0
125	14.1	11.2	16.8





#89
Benzo(a)pyrene
Concen: 3.28 ng
RT: 15.15 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:252 Resp: 20405

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	17.3	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
C2.3-01

Manual Integrations
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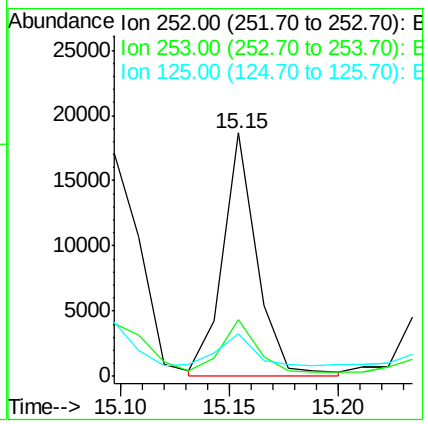
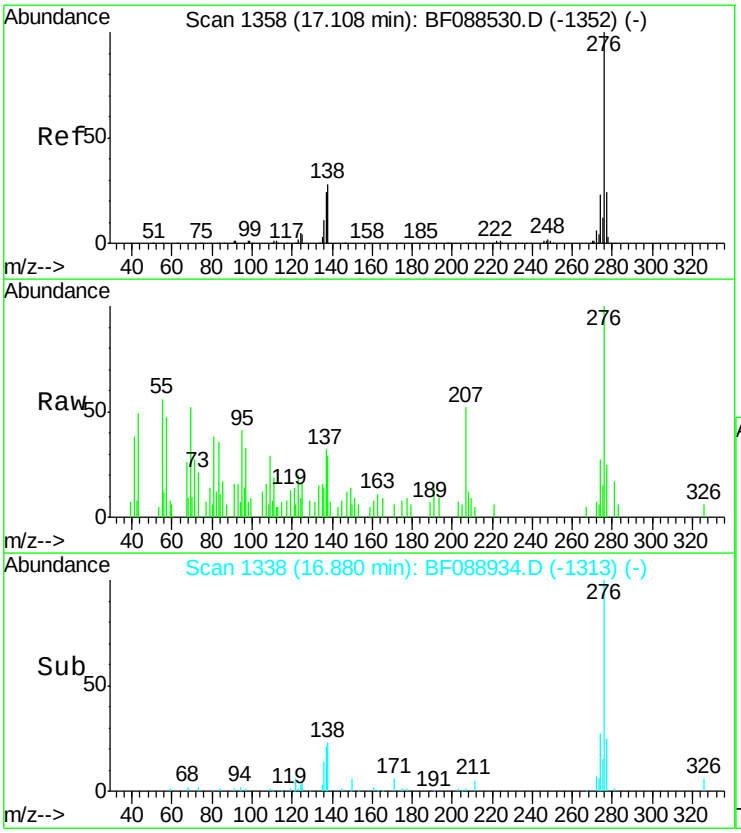
7/13/2016 9:25:41 AM





#91
Benzo(g,h,i)perylene
Concen: 2.22 ng
RT: 16.88 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF088934.D
Acq: 12 Jul 2016 22:27

Tgt Ion:276 Resp: 11928

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.9	28.3
138	28.9	21.4	32.2