Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
Data File : BF085397.D
Acq On : 12 Mar 2016 4:20
Operator : UM/SJ
Sample : H1754-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:54 AM

Quant Time: Mar 12 05:58:50 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	145990	20.00	ng		-0.05
21) Naphthalene-d8	8.22	136	590819	20.00	ng		-0.05
38) Acenaphthene-d10	9.98	164	260046	20.00	ng		-0.05
63) Phenanthrene-d10	11.46	188	412790	20.00	ng		-0.05
75) Chrysene-d12	14.11	240	285955	20.00	ng		-0.05
86) Perylene-d12	15.57	264	265802	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.54	112	1103470	126.79	ng		-0.03
7) Phenol-d6	6.56	99	1193980	104.71	ng		-0.05
23) Nitrobenzene-d5	7.50	82	822256	74.47	ng		-0.05
41) 2,4,6-Tribromophenol	10.77	330	247983	111.45	ng		-0.05
44) 2-Fluorobiphenyl	9.30	172	1151245	67.33	ng		-0.05
78) Terphenyl-d14	13.05	244	668426	54.26	ng		-0.03
Target Compounds							Qvalue
49) Dimethylphthalate	9.69	163	151245	7.58	ng		99
70) Phenanthrene	11.49	178	55644	2.57	ng		97
74) Fluoranthene	12.68	202	97093	4.47	ng		97
77) Pyrene	12.90	202	92920	4.32	ng		97
80) Benzo(a)anthracene	14.09	228	52407	3.06	ng		99
82) Chrysene	14.13	228	34705	2.19	ng		98
83) Bis(2-ethylhexyl)phthalate	14.08	149	49761	3.87	ng		99
87) Benzo(b)fluoranthene	15.15	252	58608m	3.31	ng		
89) Benzo(a)pyrene	15.50	252	39374	2.68	ng	#	89

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
Data File : BF085397.D
Acq On : 12 Mar 2016 4:20
Operator : UM/SJ
Sample : H1754-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 12 05:58:50 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

Manual Integrations APPROVED
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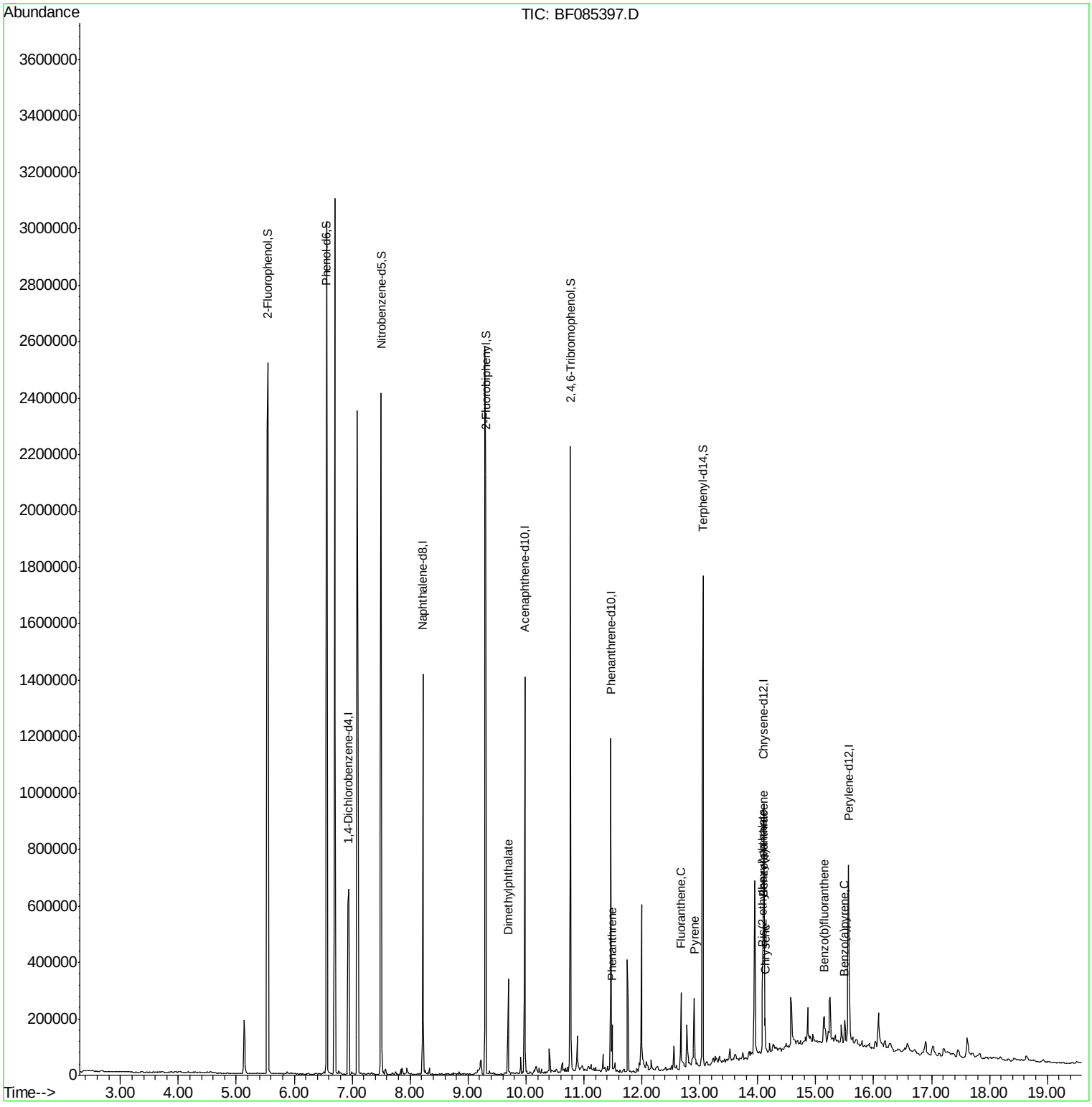
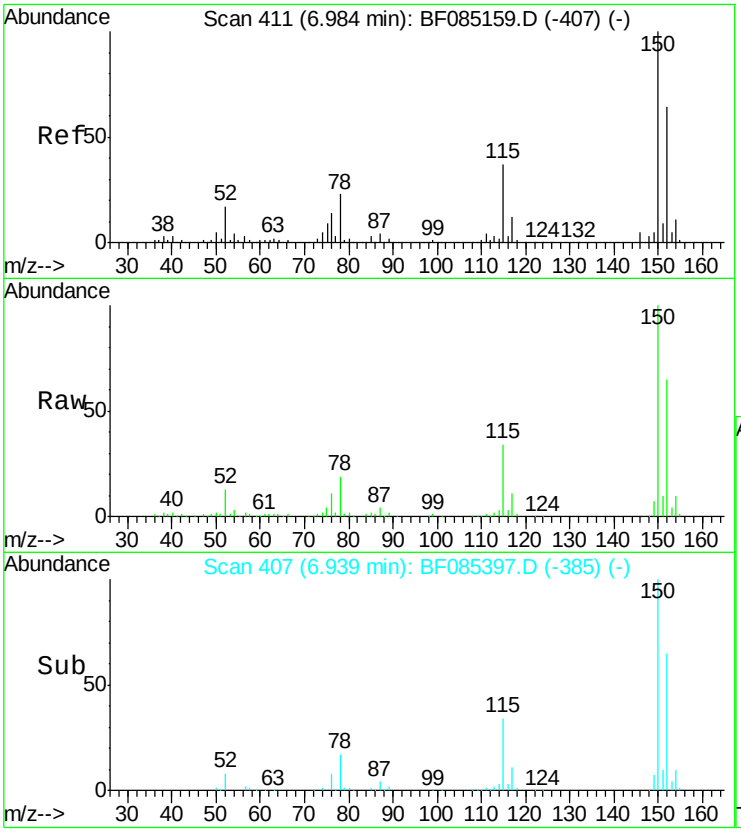
3/14/2016 10:45:54 AM

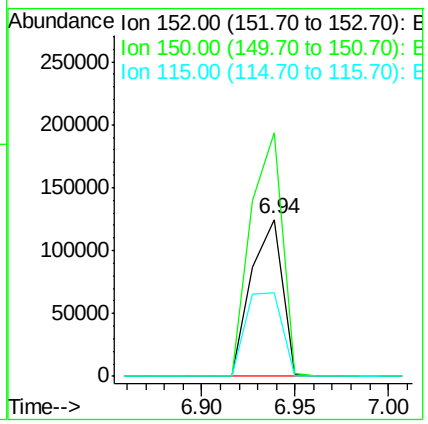




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

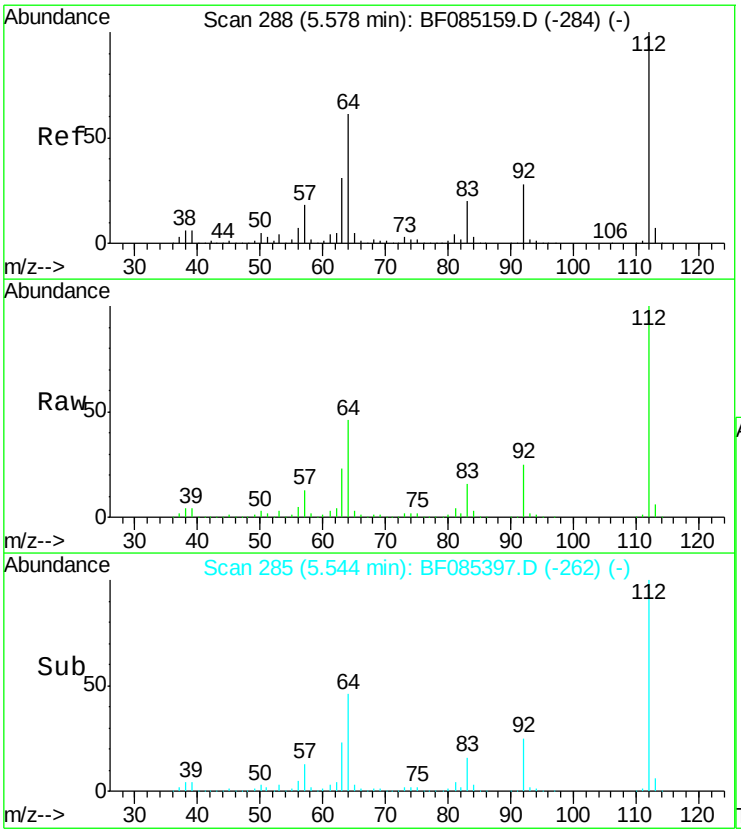
Tgt Ion:152 Resp: 145990

Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	53.2	46.6	70.0



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

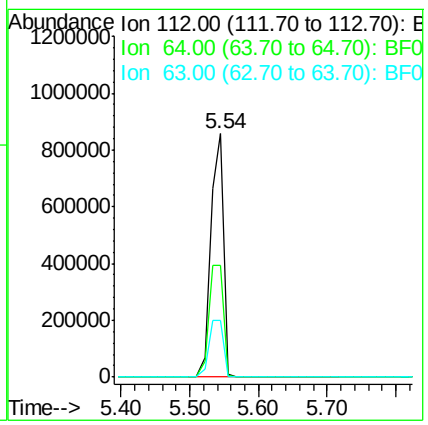
Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:54 AM

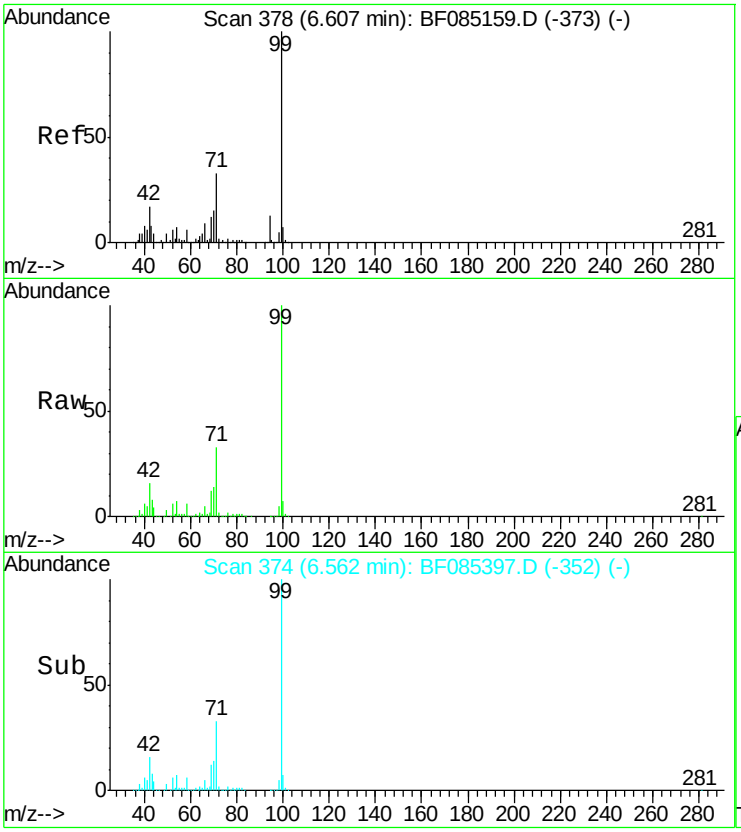


#5
2-Fluorophenol
Concen: 126.79 ng
RT: 5.54 min Scan# 285
Delta R.T. -0.03 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:112 Resp: 1103470

Ion	Ratio	Lower	Upper
112	100		
64	45.7	49.0	73.4#
63	23.1	24.8	37.2#

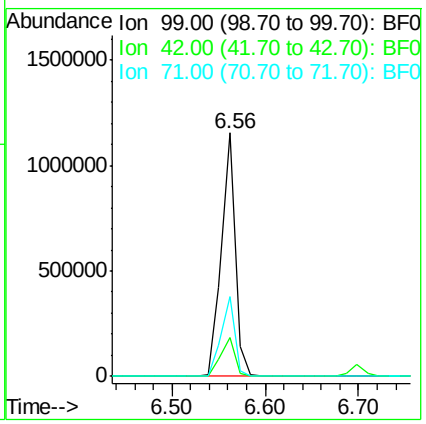




#7
Phenol-d6
Concen: 104.71 ng
RT: 6.56 min Scan# 374
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion: 99 Resp: 1193980

Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.6	20.4
71	32.8	26.7	40.1



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

Manual Integrations APPROVED
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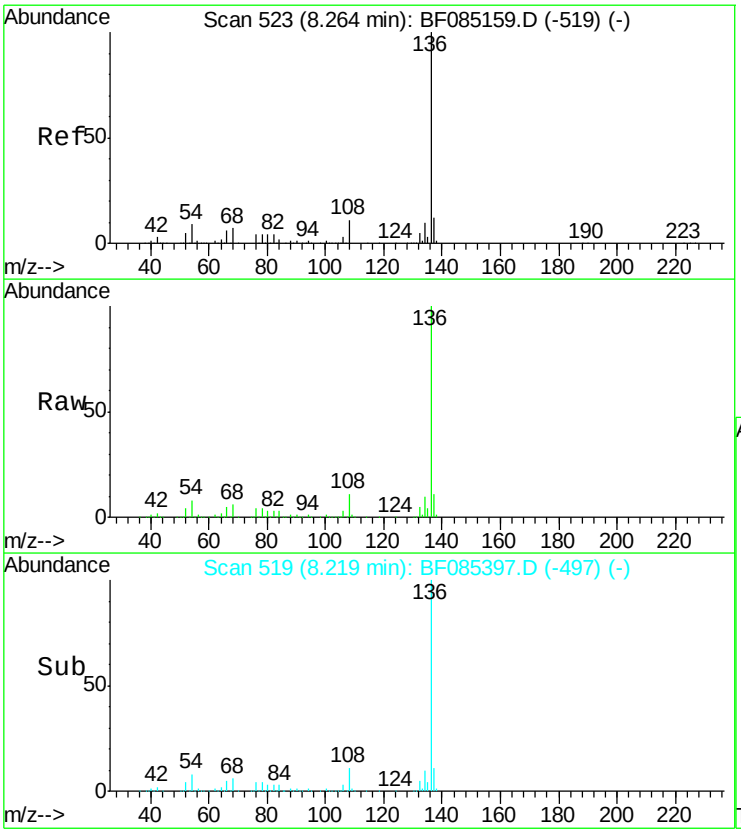
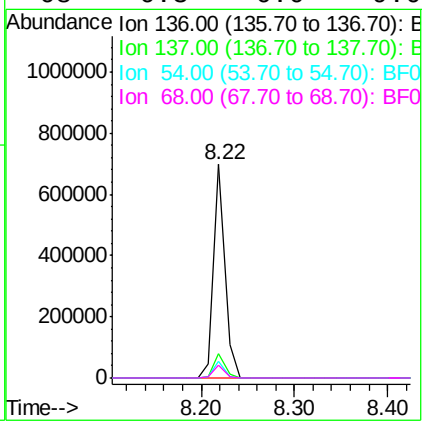
3/14/2016 10:45:54 AM

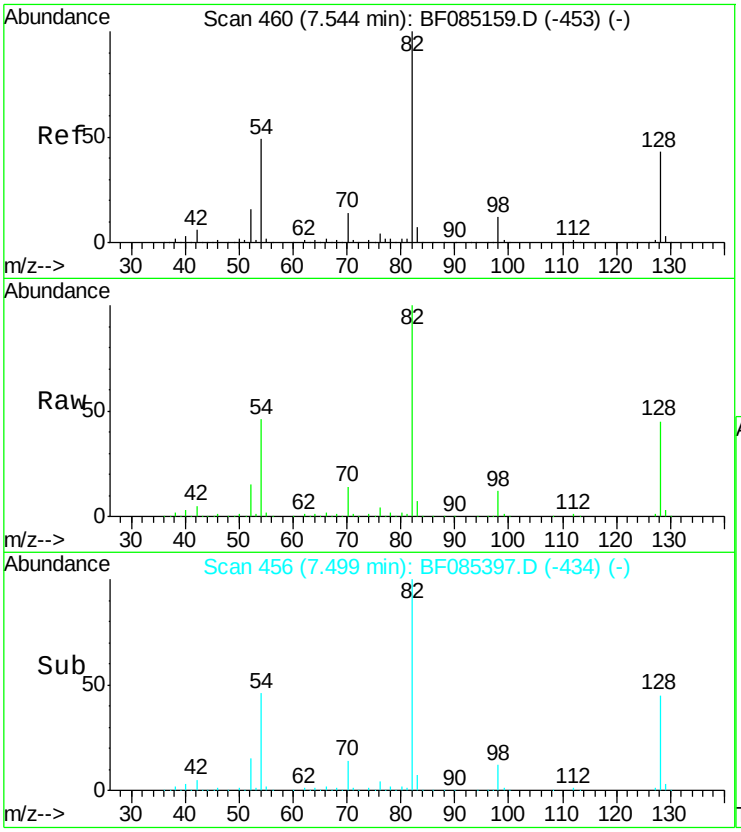


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:136 Resp: 590819

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	7.6	7.4	11.2
68	6.3	6.0	9.0

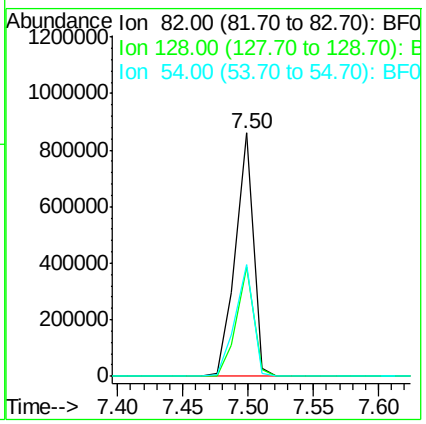




#23
Nitrobenzene-d5
Concen: 74.47 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion: 82 Resp: 822256

Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.5	51.7
54	46.1	39.3	58.9



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

Manual Integrations APPROVED
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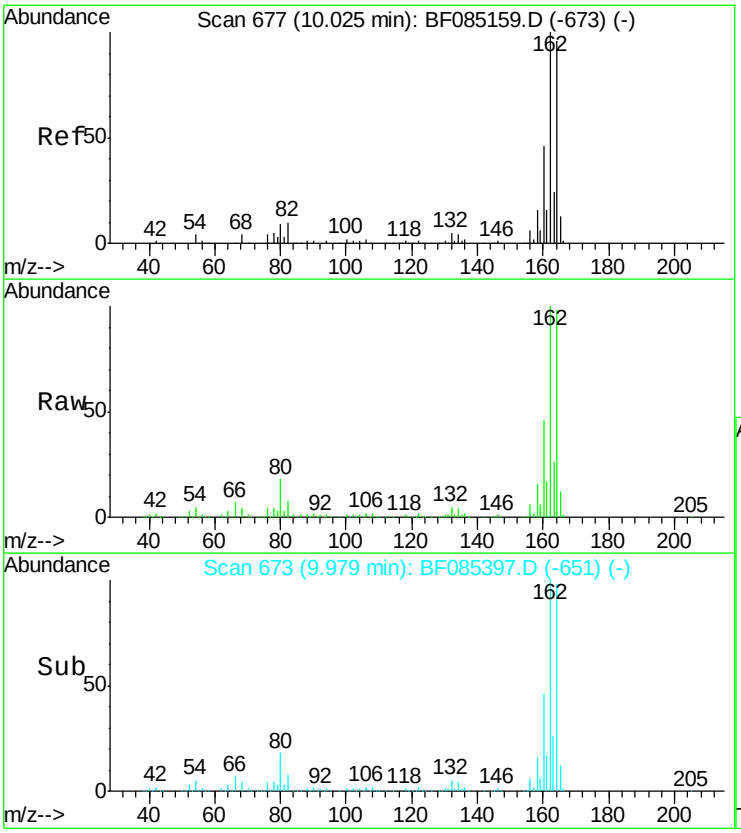
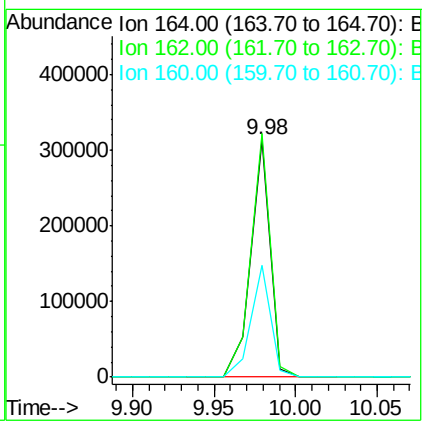
3/14/2016 10:45:54 AM

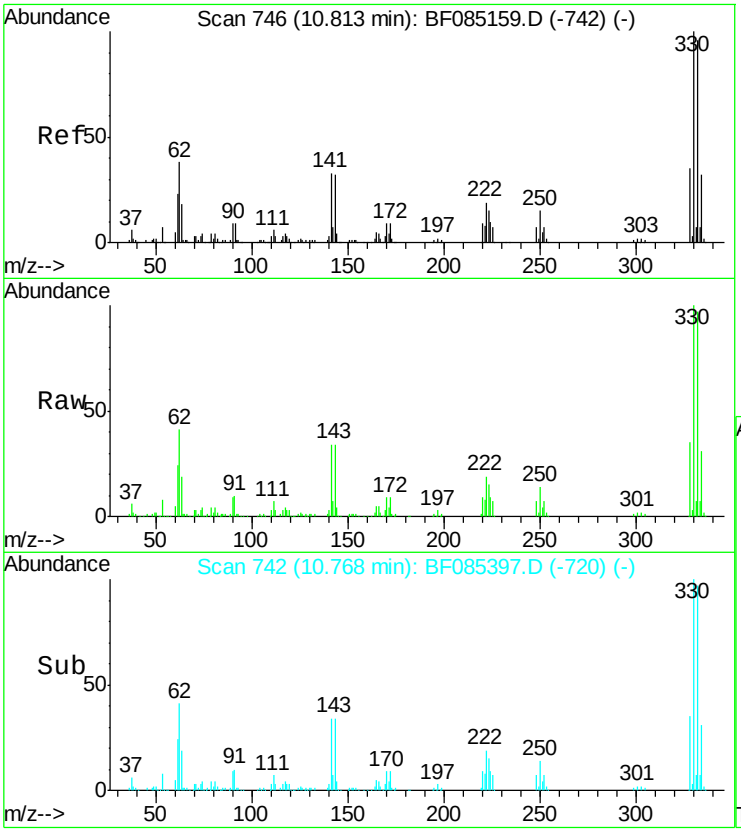


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:164 Resp: 260046

Ion	Ratio	Lower	Upper
164	100		
162	102.5	83.3	124.9
160	46.8	37.9	56.9

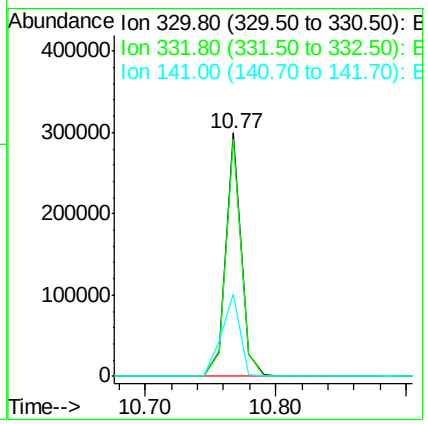




#41
2,4,6-Tribromophenol
Concen: 111.45 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:330 Resp: 247983

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	41.5	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

Manual Integrations APPROVED
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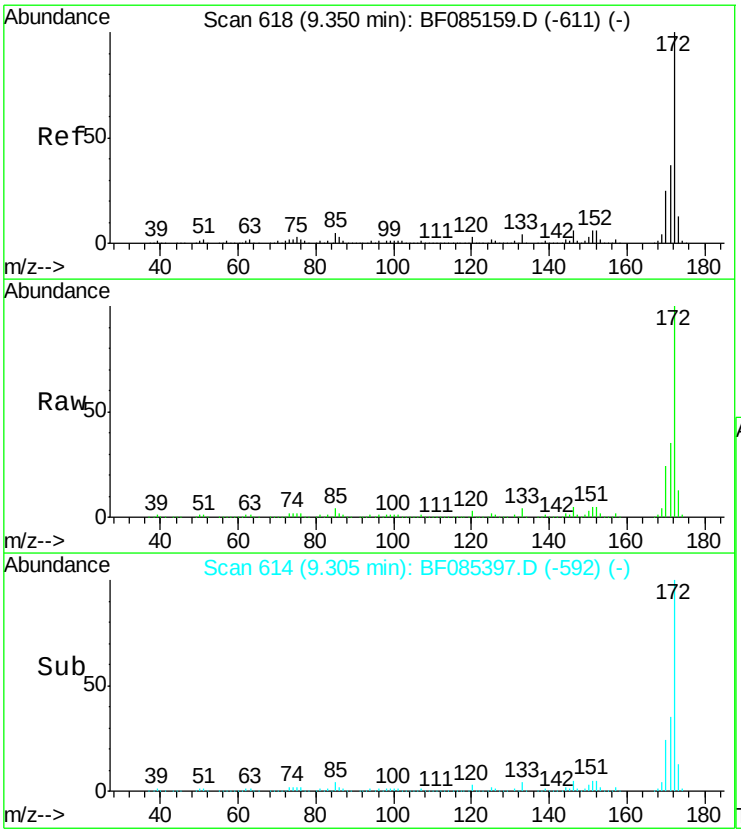
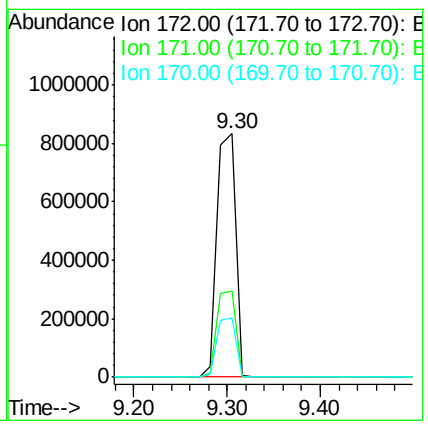
3/14/2016 10:45:54 AM

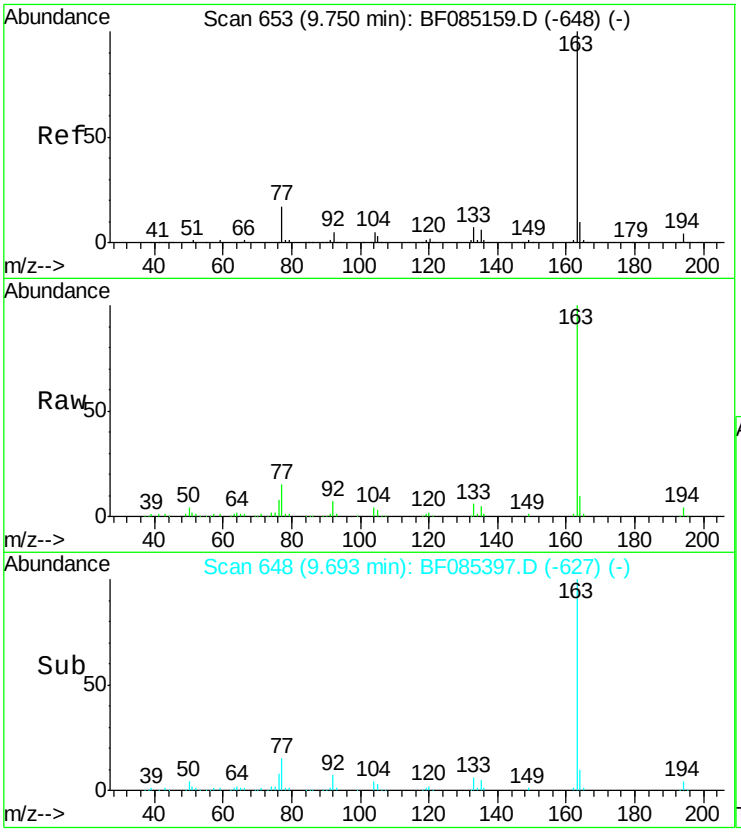


#44
2-Fluorobiphenyl
Concen: 67.33 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:172 Resp: 1151245

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.3	43.9
170	24.1	20.0	30.0

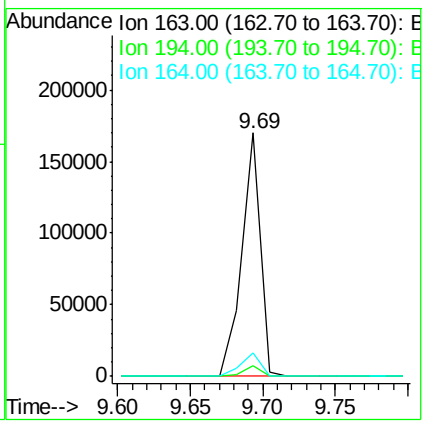




#49
Dimethylphthalate
Concen: 7.58 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.06 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:163 Resp: 151245

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.1	4.7
164	9.8	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

Manual Integrations APPROVED
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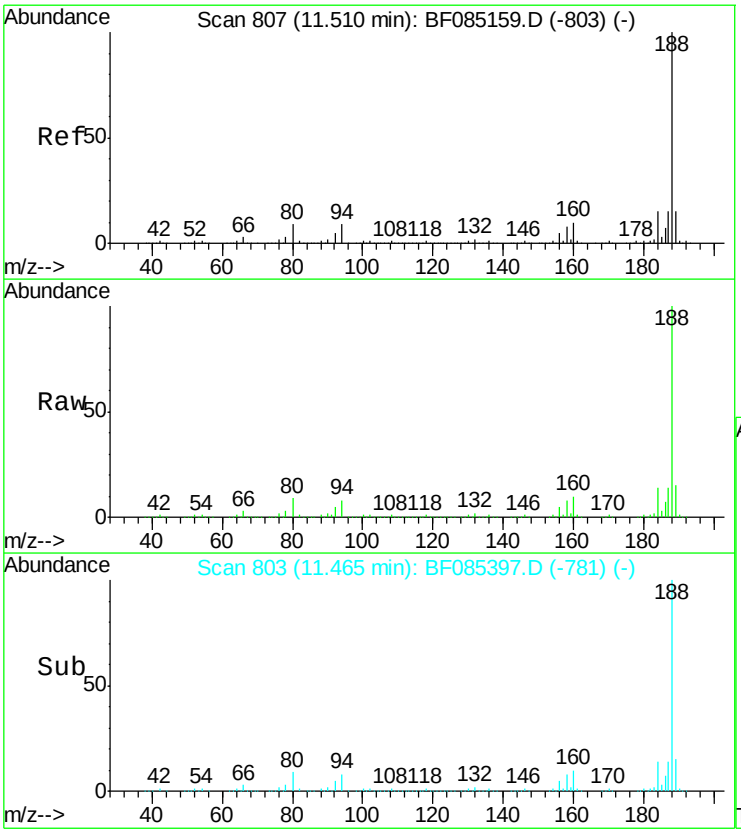
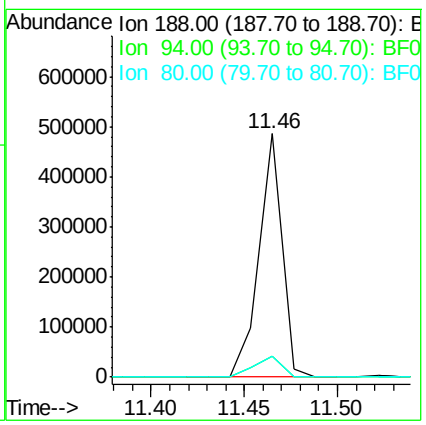
3/14/2016 10:45:54 AM

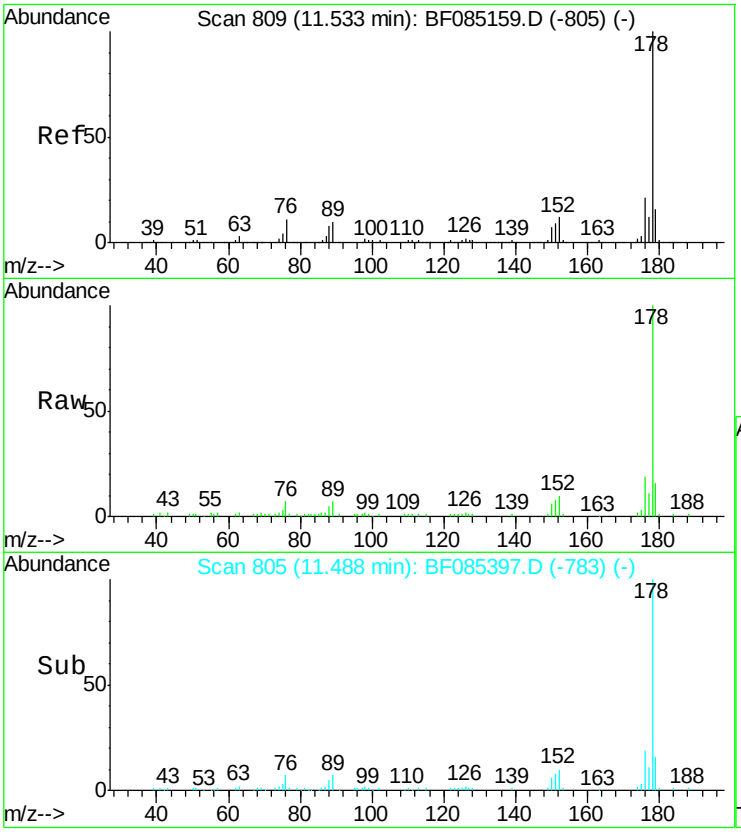


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:188 Resp: 412790

Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.0	10.6
80	8.7	7.4	11.0

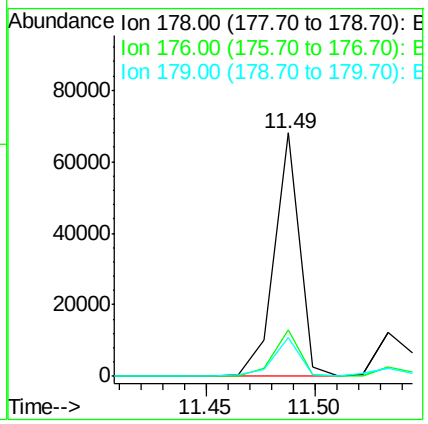




#70
Phenanthrene
Concen: 2.57 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

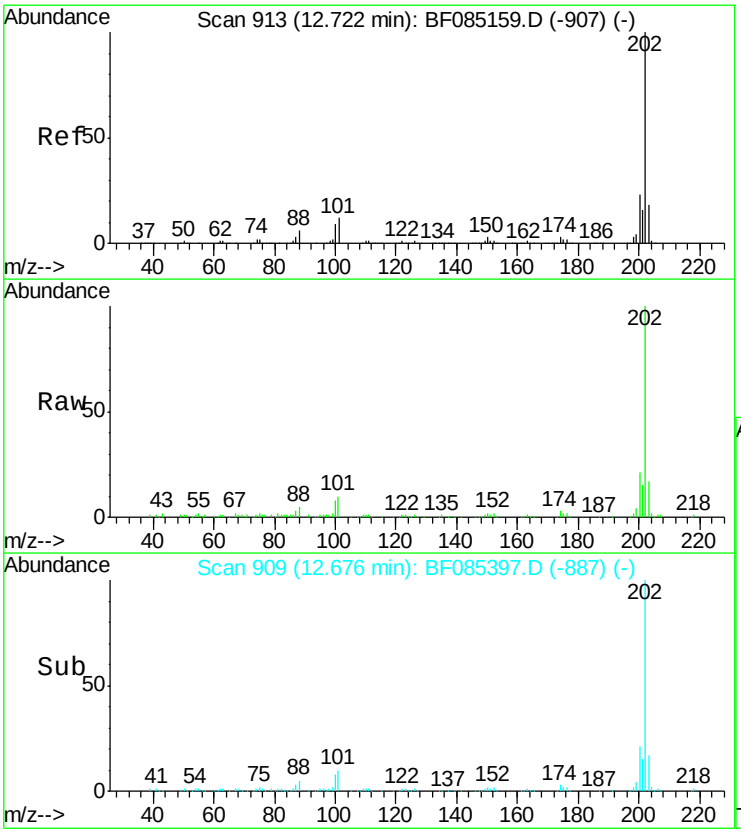
Tgt Ion:178 Resp: 55644

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.8	25.2
179	15.7	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

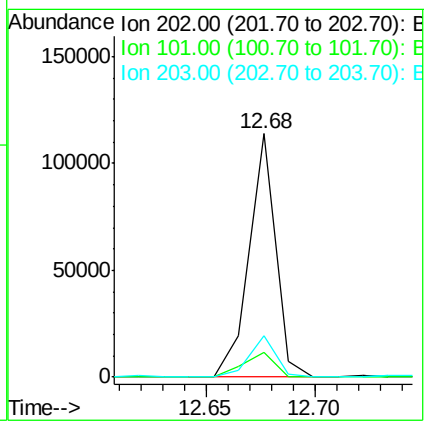
Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:54 AM

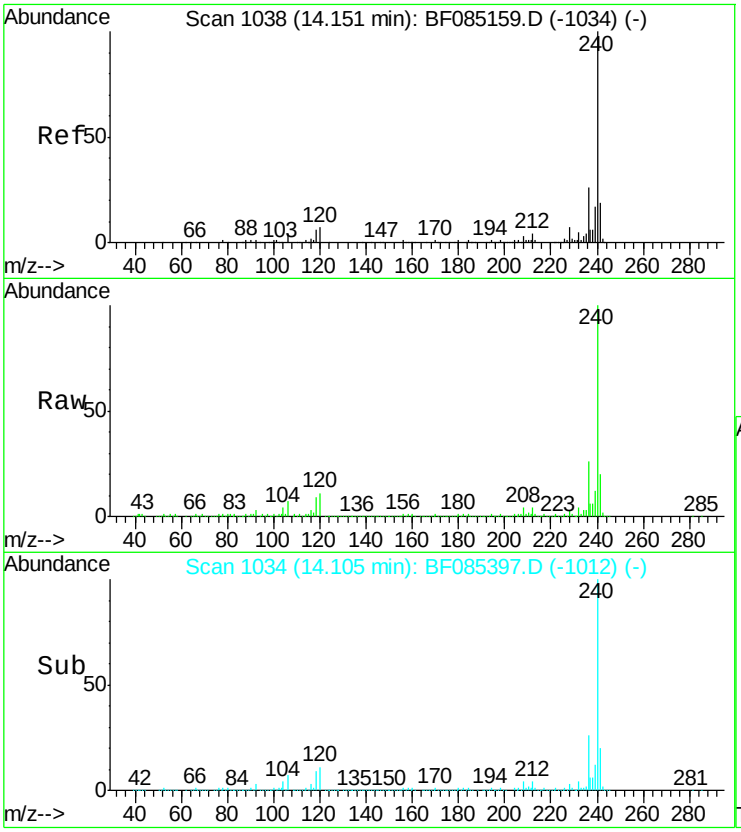


#74
Fluoranthene
Concen: 4.47 ng
RT: 12.68 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:202 Resp: 97093

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.8
203	17.1	0.0	38.4

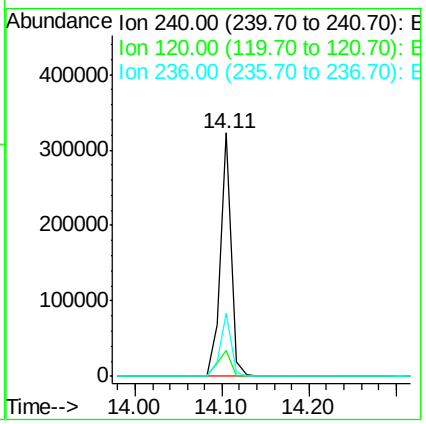




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.11 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

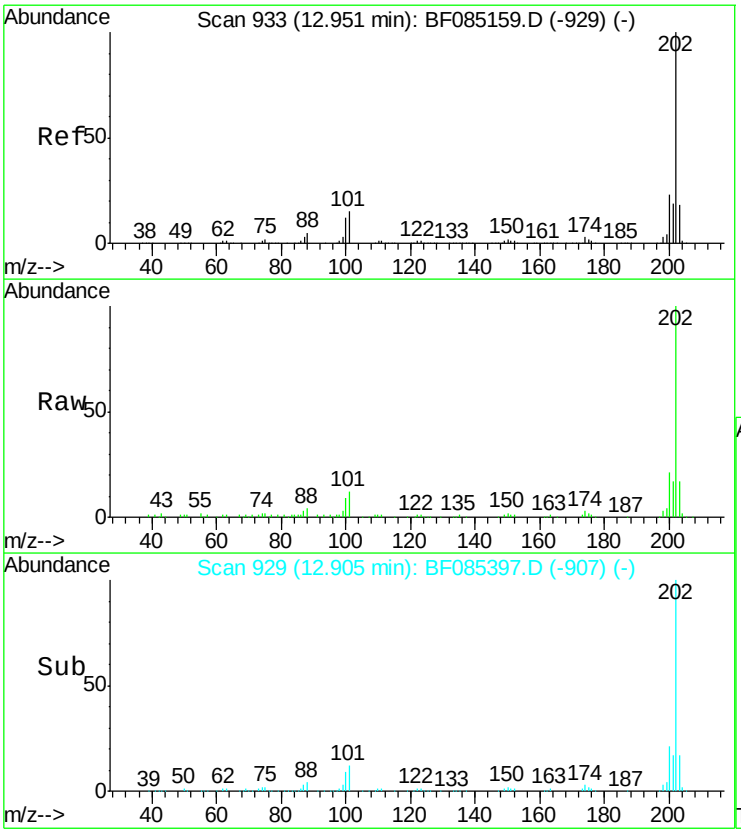
Tgt Ion:240 Resp: 285955

Ion	Ratio	Lower	Upper
240	100		
120	10.8	5.3	7.9#
236	26.1	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

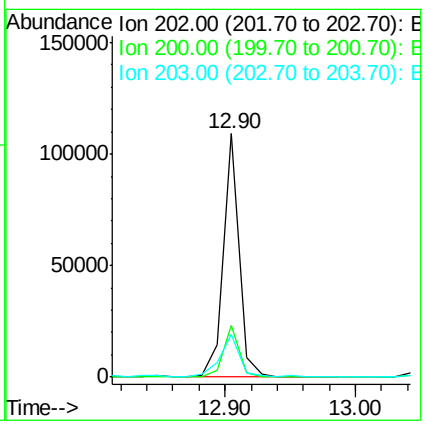
Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:54 AM

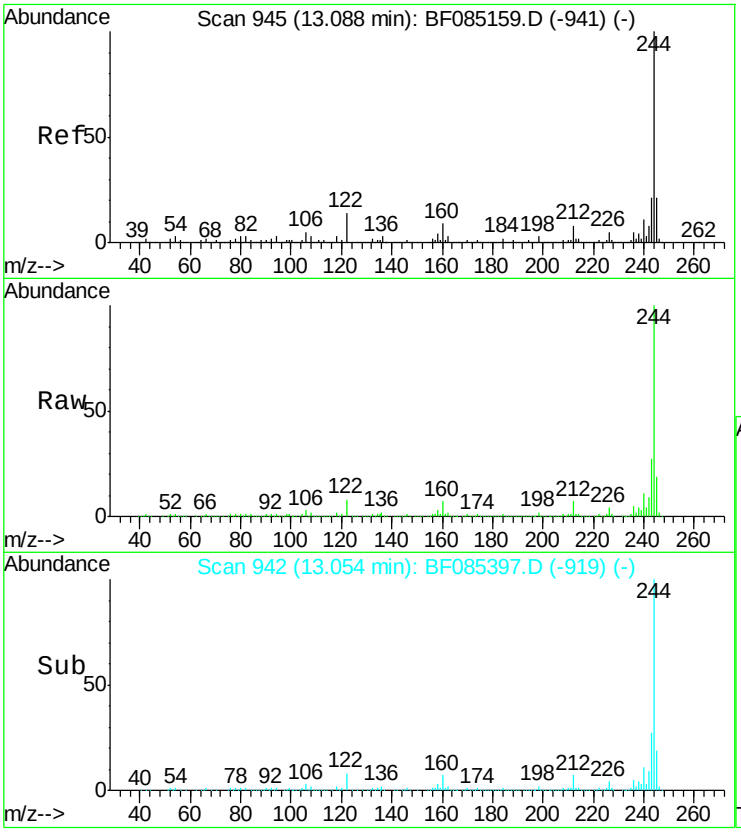


#77
Pyrene
Concen: 4.32 ng
RT: 12.90 min Scan# 929
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:202 Resp: 92920

Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.2	27.4
203	17.4	14.7	22.1

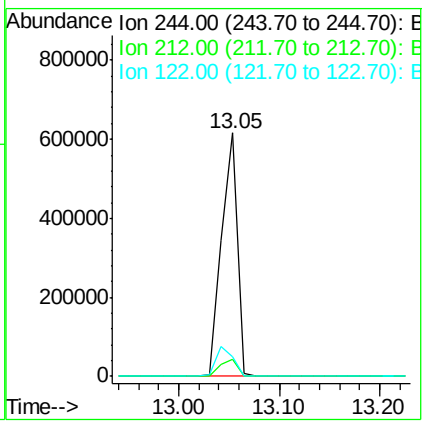




#78
Terphenyl-d14
Concen: 54.26 ng
RT: 13.05 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

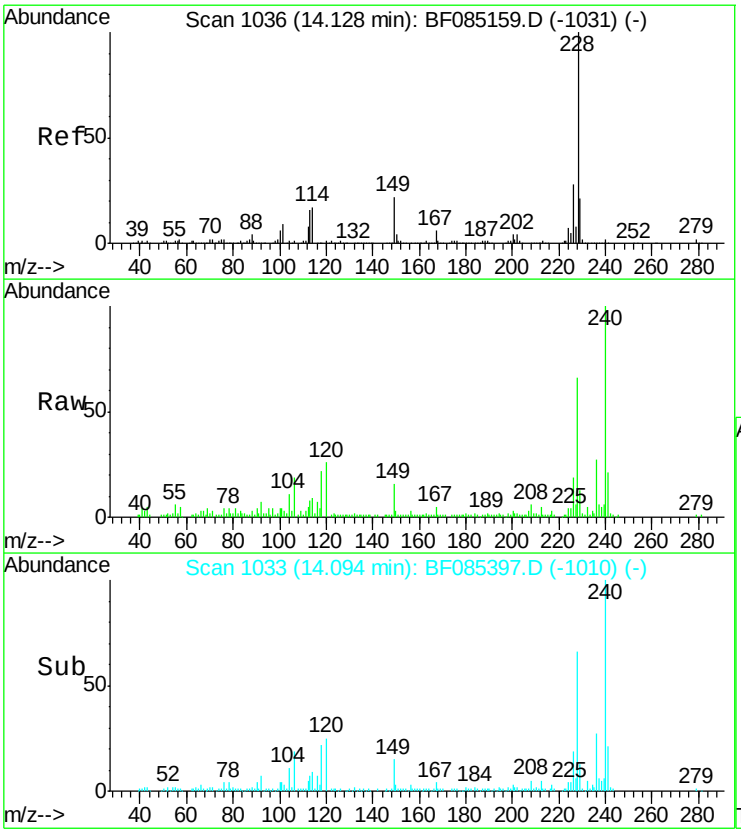
Tgt Ion:244 Resp: 668426

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.4	9.6
122	8.2	11.4	17.2#



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

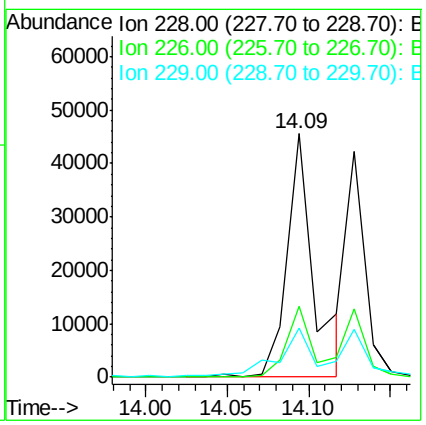
Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:54 AM

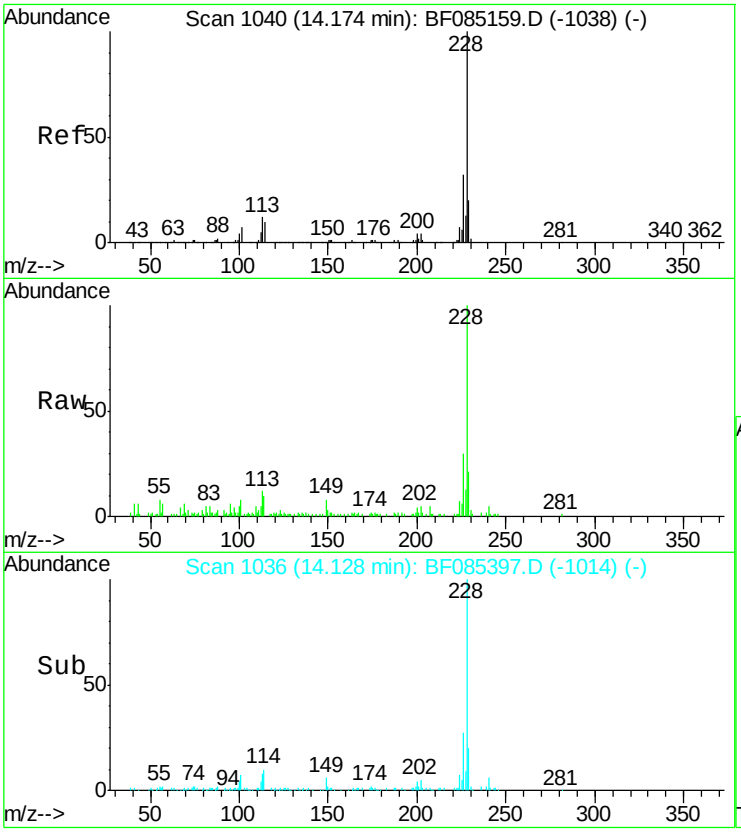


#80
Benzo(a)anthracene
Concen: 3.06 ng
RT: 14.09 min Scan# 1033
Delta R.T. -0.03 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:228 Resp: 52407

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.8	34.2
229	20.0	16.6	24.8

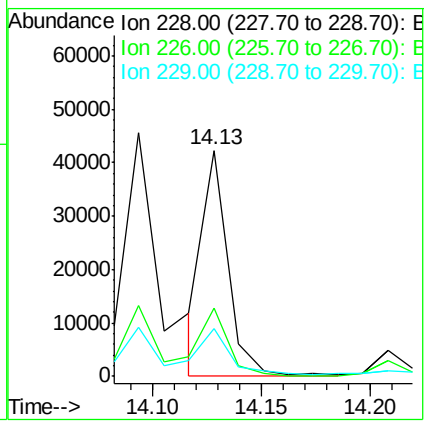




#82
Chrysene
Concen: 2.19 ng
RT: 14.13 min Scan# 1036
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:228 Resp: 34705

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.2	37.8
229	21.1	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

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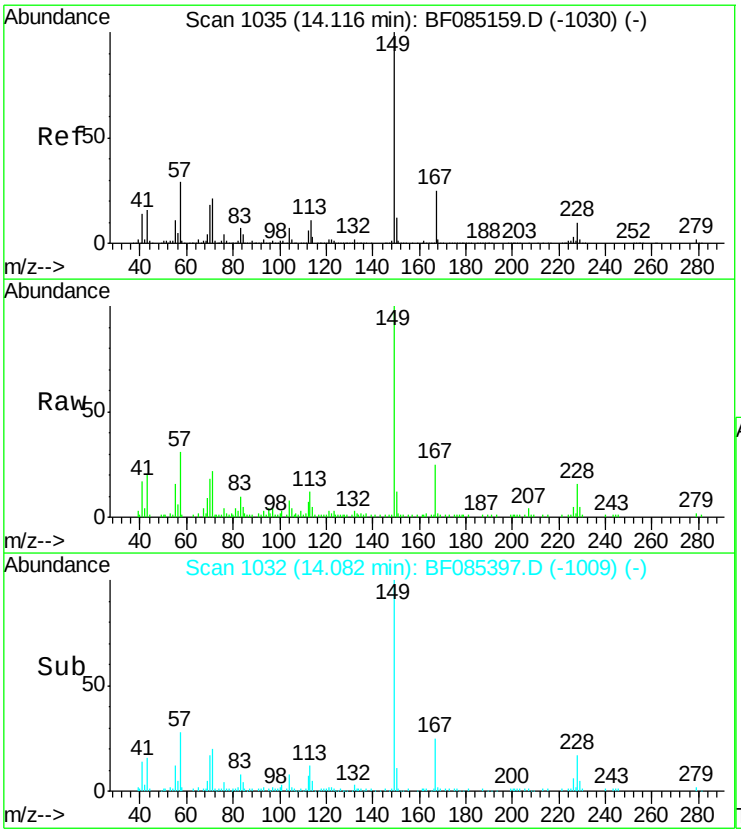
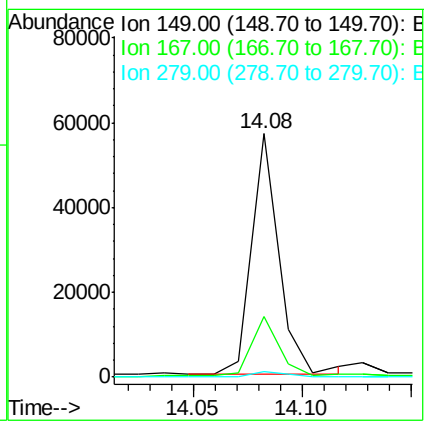
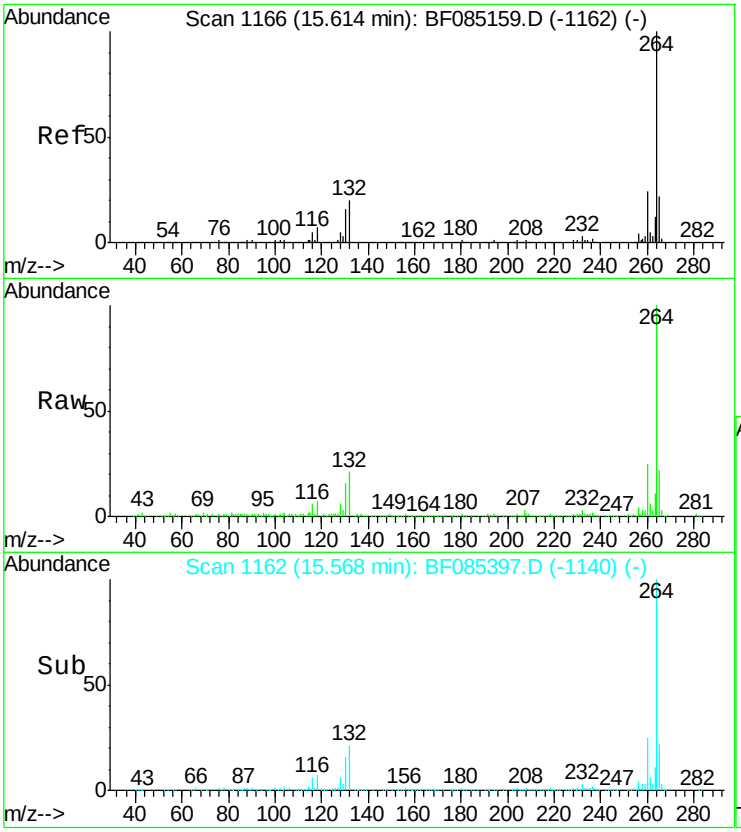


#83
Bis(2-ethylhexyl)phthalate
Concen: 3.87 ng
RT: 14.08 min Scan# 1032
Delta R.T. -0.03 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:149 Resp: 49761

Ion	Ratio	Lower	Upper
149	100		
167	24.9	20.3	30.5
279	2.3	1.9	2.9

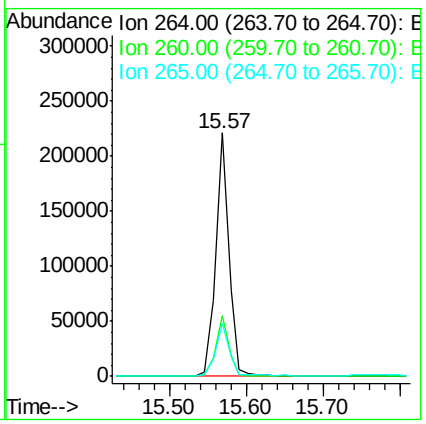




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:264 Resp: 265802

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.9	17.3	25.9



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

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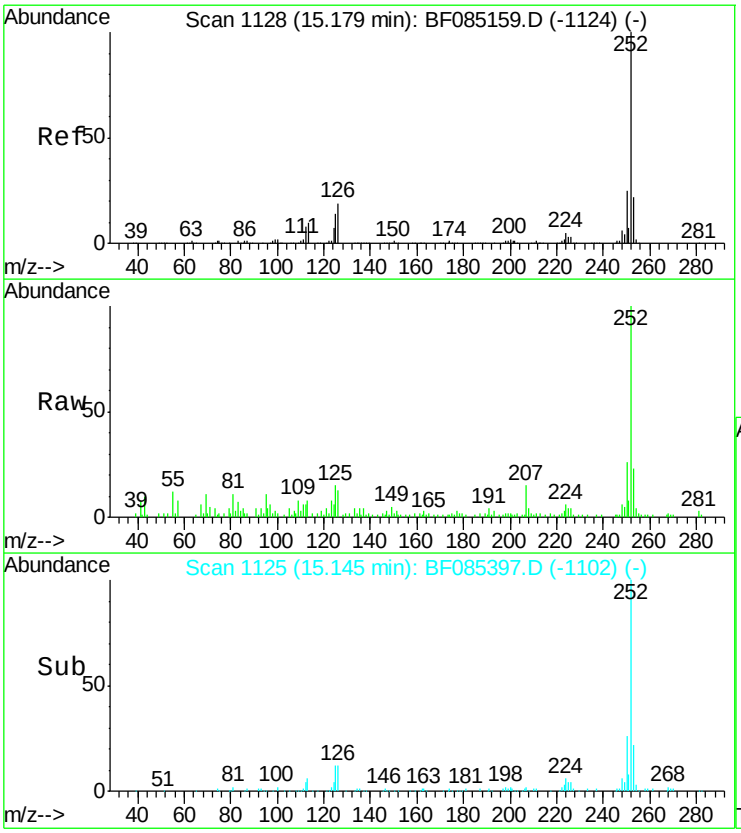
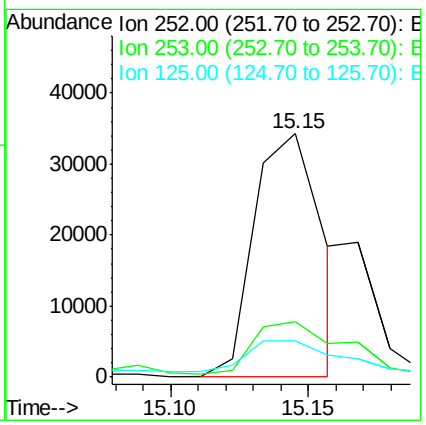
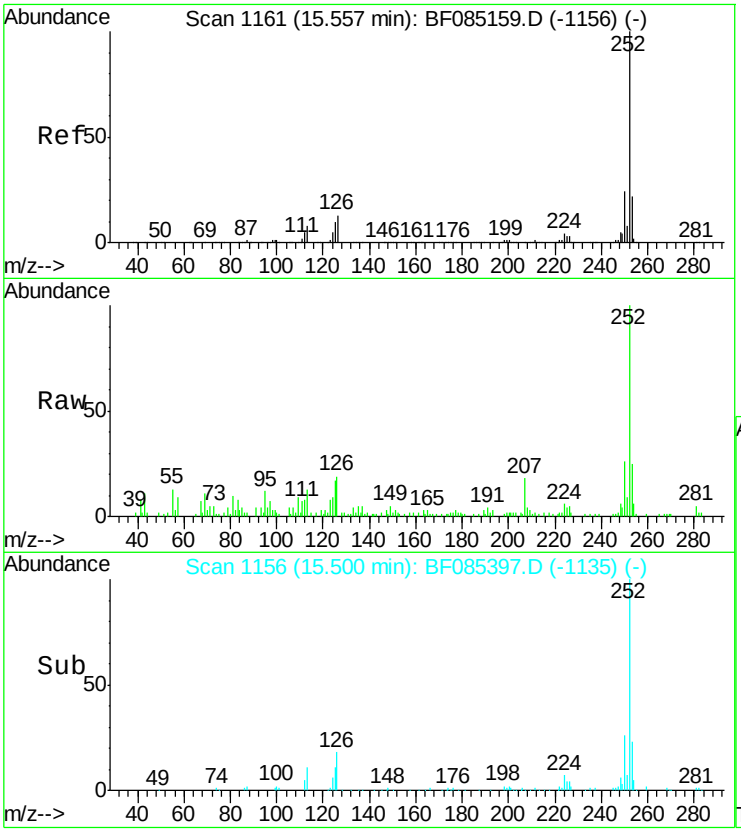


#87
Benzo(b)fluoranthene
Concen: 3.31 ng m
RT: 15.15 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:252 Resp: 58608

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	14.7	11.3	16.9

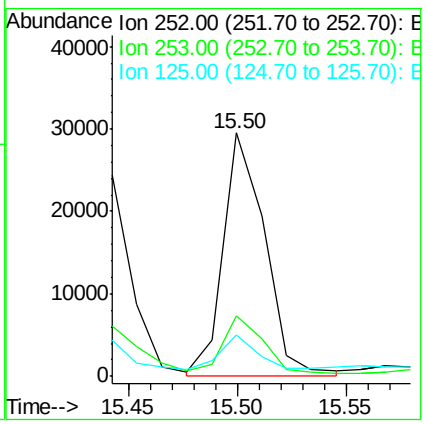




#89
Benzo(a)pyrene
Concen: 2.68 ng
RT: 15.50 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:252 Resp: 39374

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.4	26.0
125	16.9	8.2	12.4#



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

Manual Integrations APPROVED
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