Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
Data File : BF085501.D
Acq On : 17 Mar 2016 19:54
Operator : UM/SJ
Sample : H1792-02RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2RE

Manual Integrations APPROVED
UMANGI
3/18/2016 3:46:06 PM

Quant Time: Mar 18 07:29:38 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 15 18:57:05 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	119364	20.00	ng		-0.05
21) Naphthalene-d8	8.16	136	508021	20.00	ng		-0.05
38) Acenaphthene-d10	9.91	164	217398	20.00	ng		-0.05
63) Phenanthrene-d10	11.40	188	405005	20.00	ng		-0.05
75) Chrysene-d12	14.04	240	271881	20.00	ng		-0.05
86) Perylene-d12	15.47	264	227110	20.00	ng		-0.07
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	932614	134.31	ng		-0.03
7) Phenol-d6	6.50	99	1250024	138.78	ng		-0.05
23) Nitrobenzene-d5	7.44	82	825950	96.13	ng		-0.05
41) 2,4,6-Tribromophenol	10.71	330	328490	164.05	ng		-0.05
44) 2-Fluorobiphenyl	9.24	172	1180906	94.24	ng		-0.05
78) Terphenyl-d14	12.98	244	1024778	85.27	ng		-0.05
Target Compounds							Qvalue
49) Dimethylphthalate	9.64	163	266658	16.81	ng		99
70) Phenanthrene	11.42	178	62896	2.98	ng		97
74) Fluoranthene	12.61	202	113511	5.72	ng		99
77) Pyrene	12.84	202	96389	4.73	ng		97
80) Benzo(a)anthracene	14.03	228	36817	2.36	ng		97
82) Chrysene	14.06	228	33560m	2.39	ng		
87) Benzo(b)fluoranthene	15.05	252	38763m	2.61	ng		
89) Benzo(a)pyrene	15.41	252	27483	2.14	ng	#	94

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

Quantitation Report (QT Reviewed)

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Operator : UM/SJ
Sample : H1792-02RE
Misc :
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Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SP-2RE

Manual Integrations APPROVED
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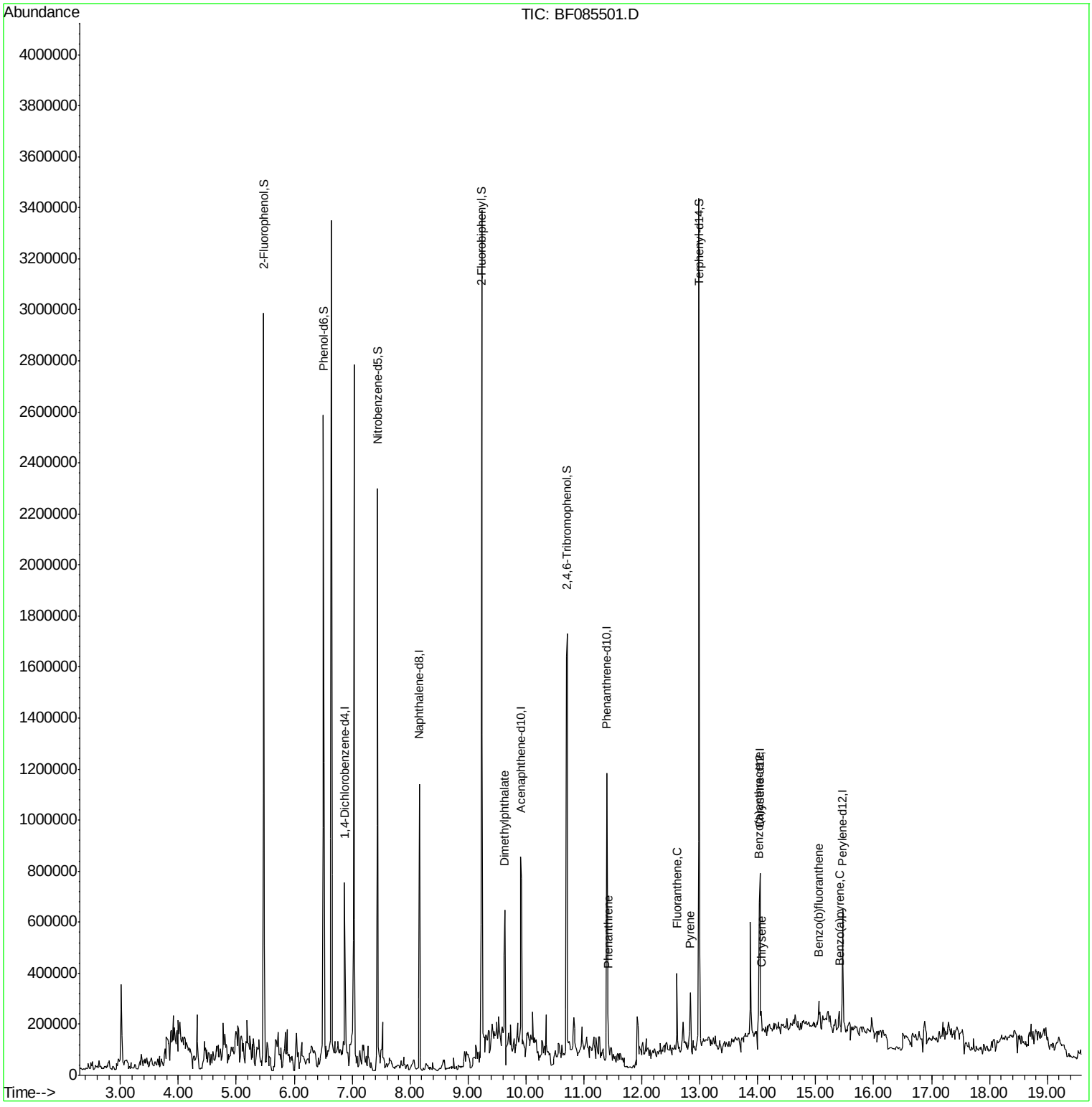
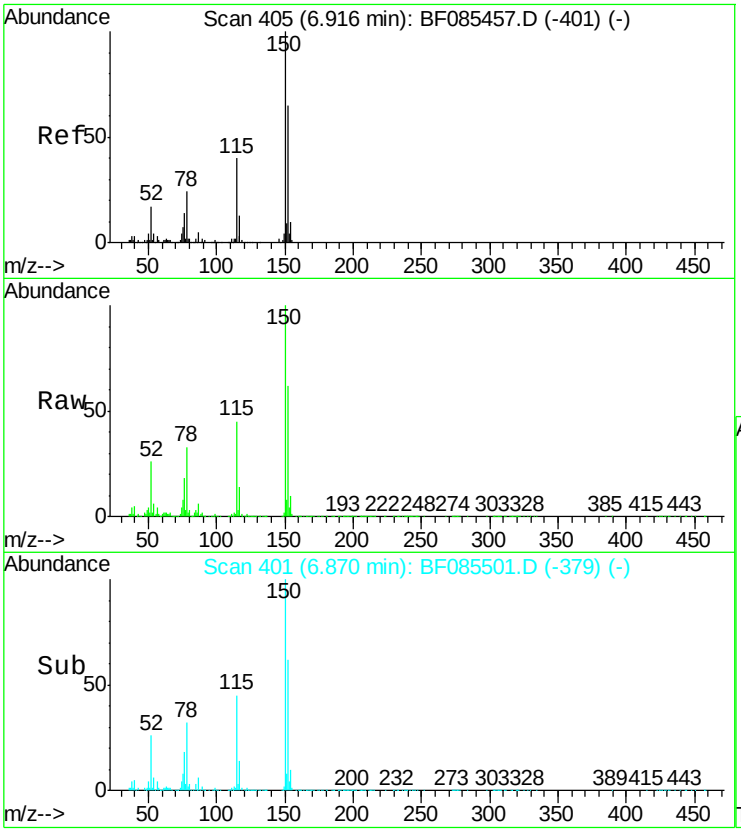
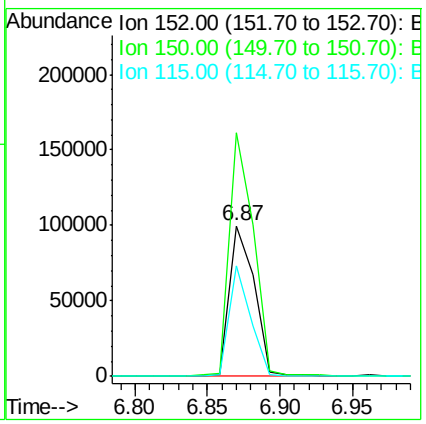




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 401
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:152 Resp: 119364

Ion	Ratio	Lower	Upper
152	100		
150	161.9	124.6	186.8
115	73.7	46.6	70.0#



Instrument :
BNA_F
ClientSampleId :
SP-2RE

Manual Integrations APPROVED
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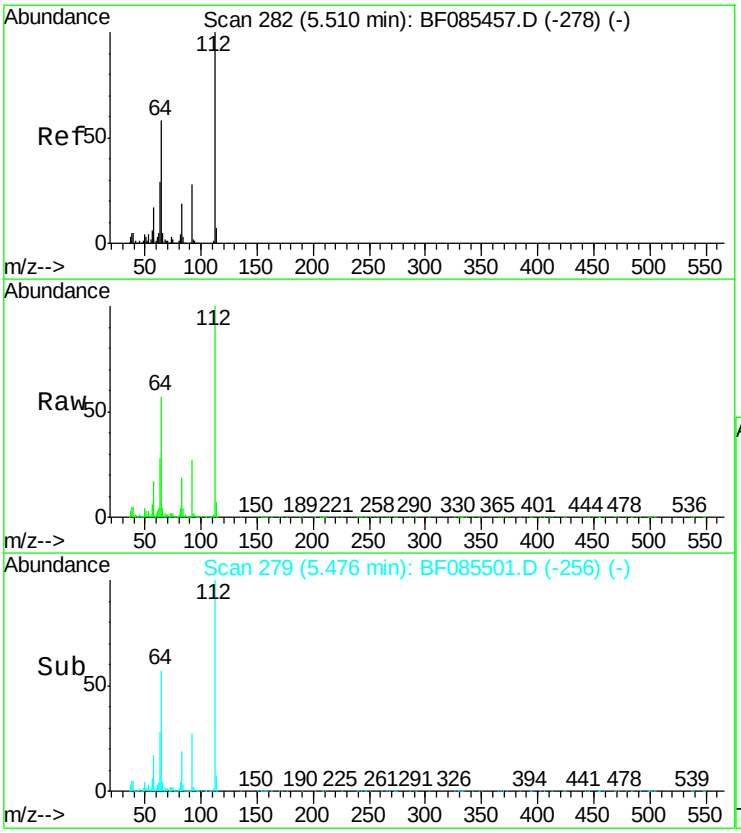
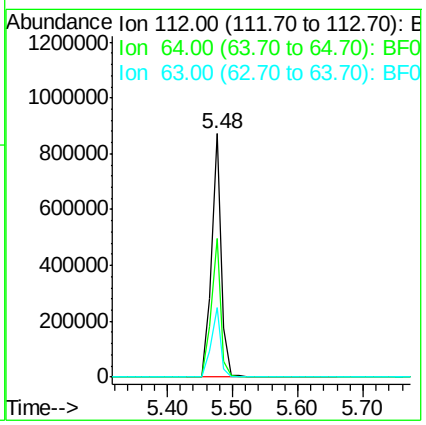
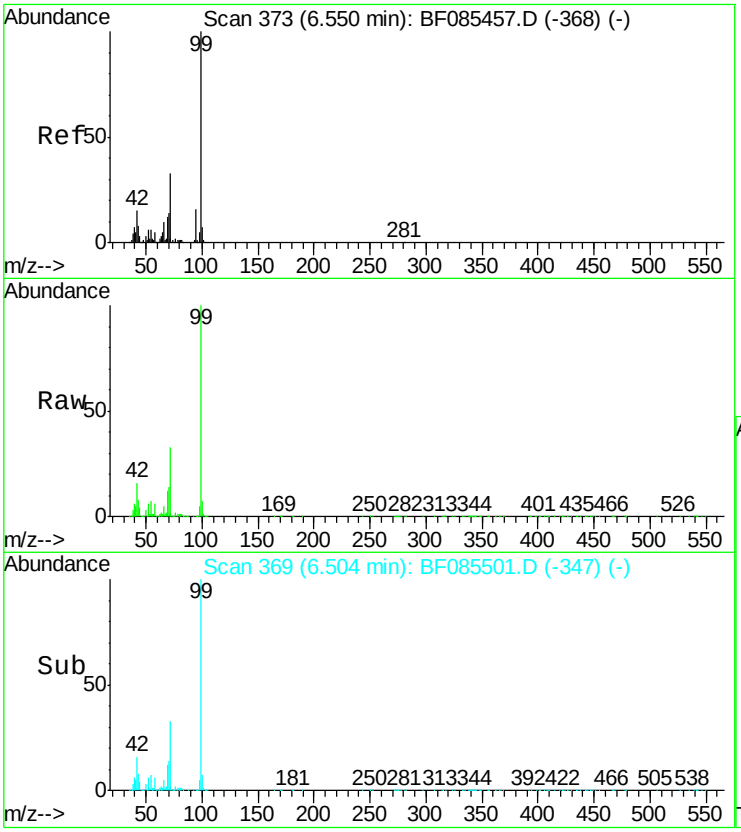


#5
2-Fluorophenol
Concen: 134.31 ng
RT: 5.48 min Scan# 279
Delta R.T. -0.03 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:112 Resp: 932614

Ion	Ratio	Lower	Upper
112	100		
64	56.9	49.0	73.4
63	28.4	24.8	37.2

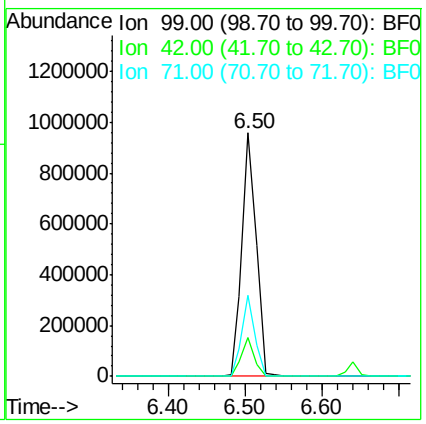




#7
Phenol-d6
Concen: 138.78 ng
RT: 6.50 min Scan# 369
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion: 99 Resp: 1250024

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.6	20.4
71	33.3	26.7	40.1



Instrument :
BNA_F
ClientSampleId :
SP-2RE

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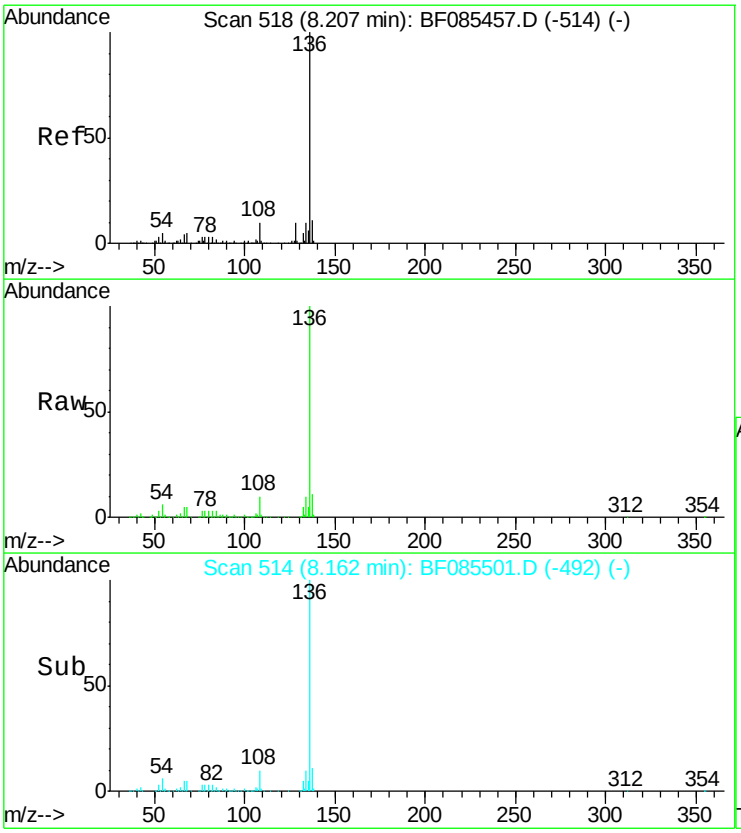
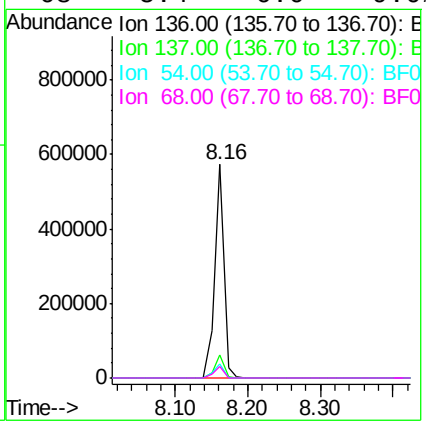
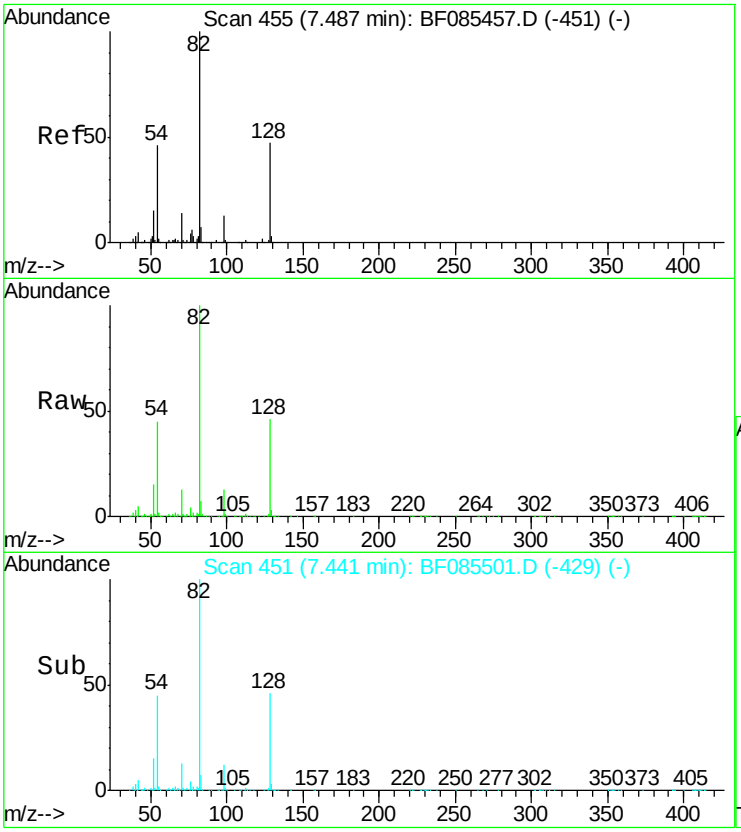


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:136 Resp: 508021

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	6.4	7.4	11.2#
68	5.4	6.0	9.0#

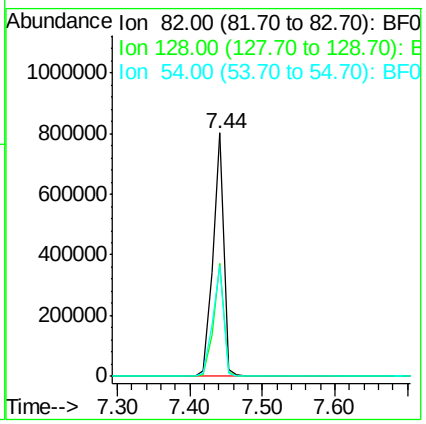




#23
Nitrobenzene-d5
Concen: 96.13 ng
RT: 7.44 min Scan# 451
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion: 82 Resp: 825950

Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.5	51.7
54	45.3	39.3	58.9



Instrument :
BNA_F
ClientSampleId :
SP-2RE

Manual Integrations APPROVED
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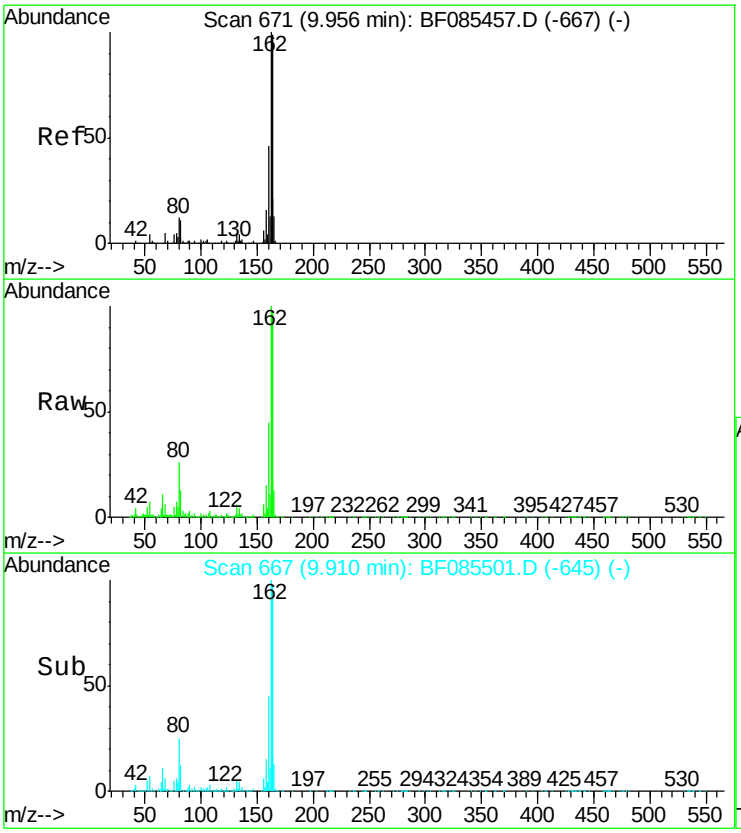
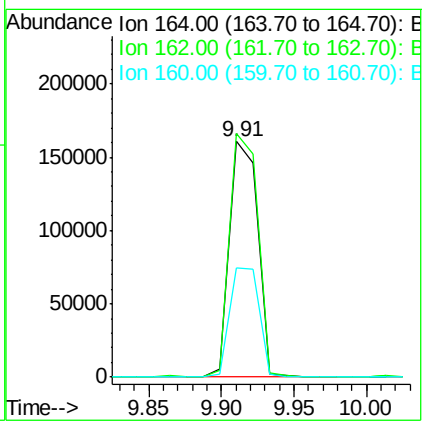
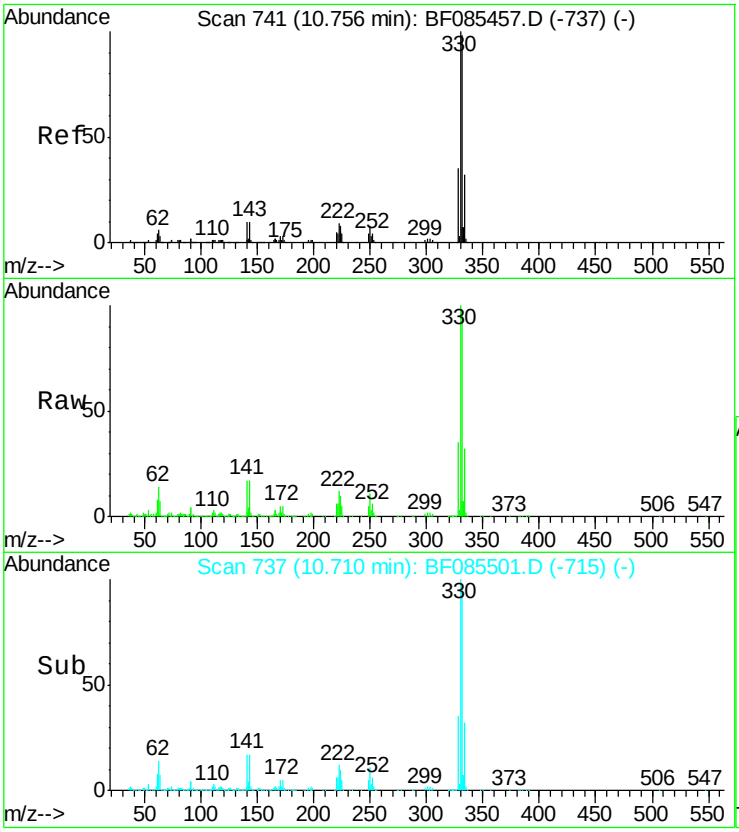


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:164 Resp: 217398

Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.3	124.9
160	46.5	37.9	56.9

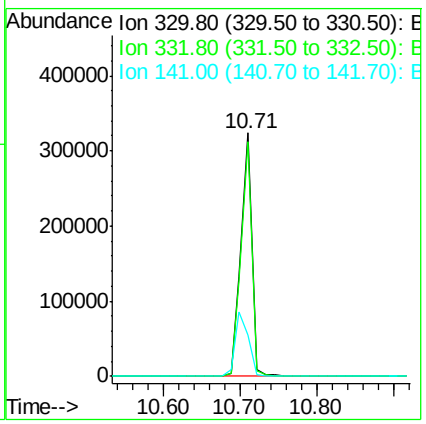




#41
2,4,6-Tribromophenol
Concen: 164.05 ng
RT: 10.71 min Scan# 737
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:330 Resp: 328490

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.1	115.7
141	31.9	35.0	52.6#



Instrument :
BNA_F
ClientSampleId :
SP-2RE

Manual Integrations APPROVED
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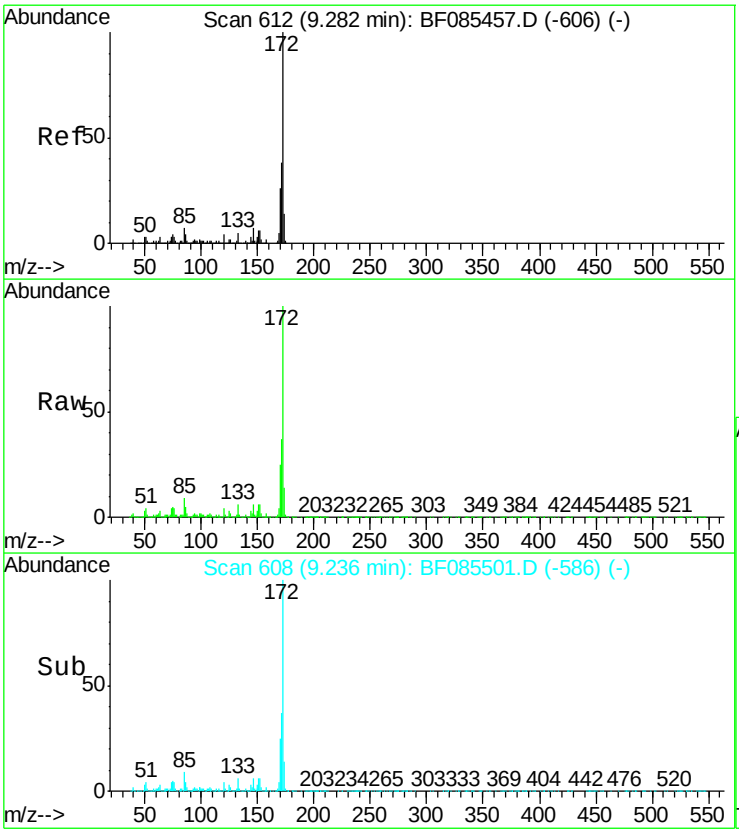
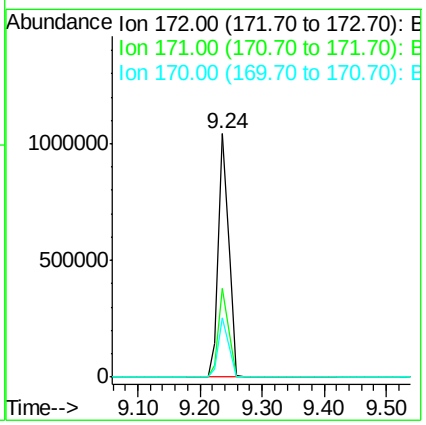
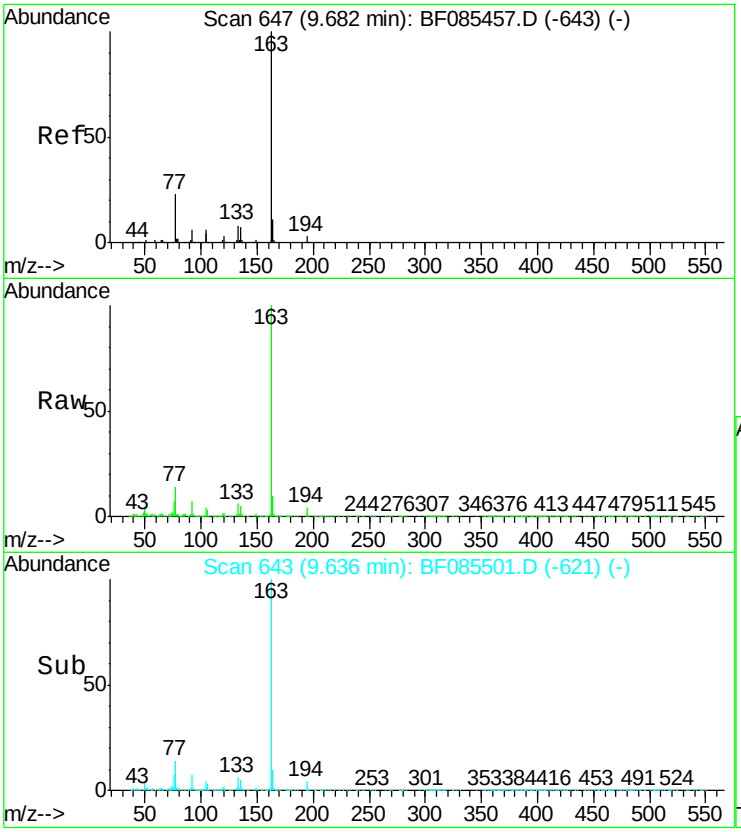


#44
2-Fluorobiphenyl
Concen: 94.24 ng
RT: 9.24 min Scan# 608
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:172 Resp: 1180906

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	24.6	20.0	30.0

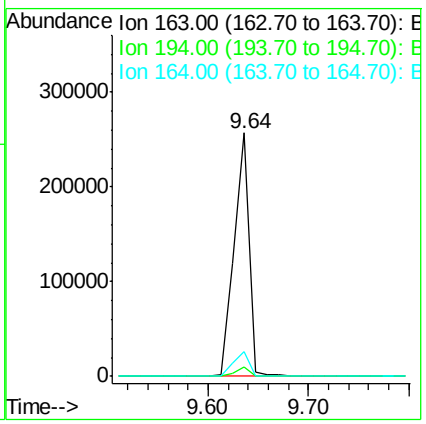




#49
Dimethylphthalate
Concen: 16.81 ng
RT: 9.64 min Scan# 643
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:163 Resp: 266658

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	9.9	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
SP-2RE

Manual Integrations APPROVED
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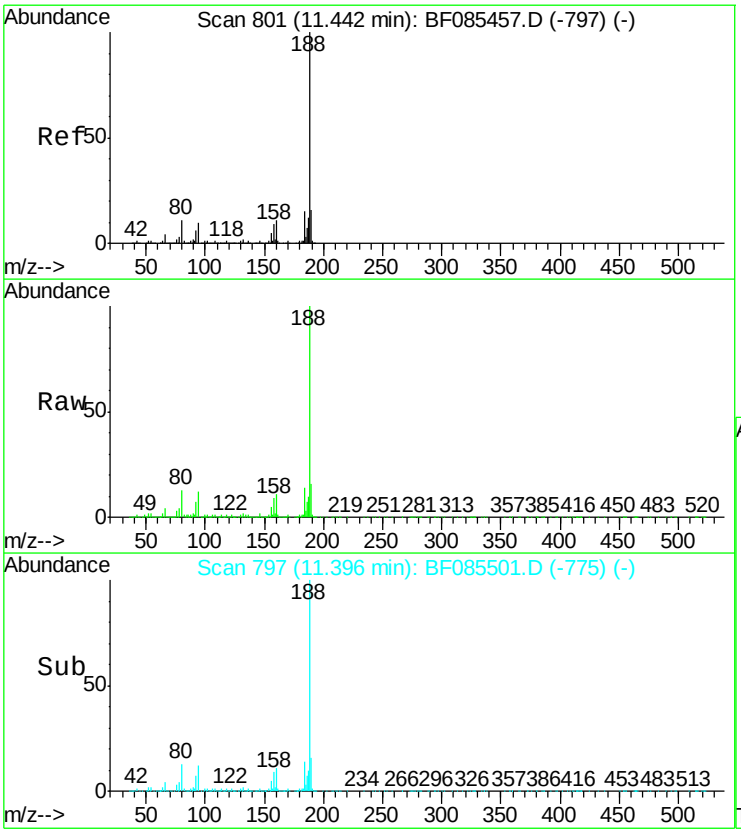
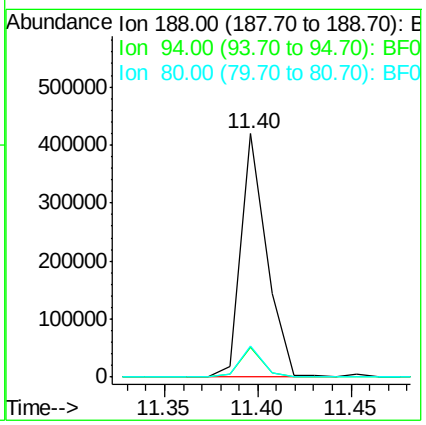
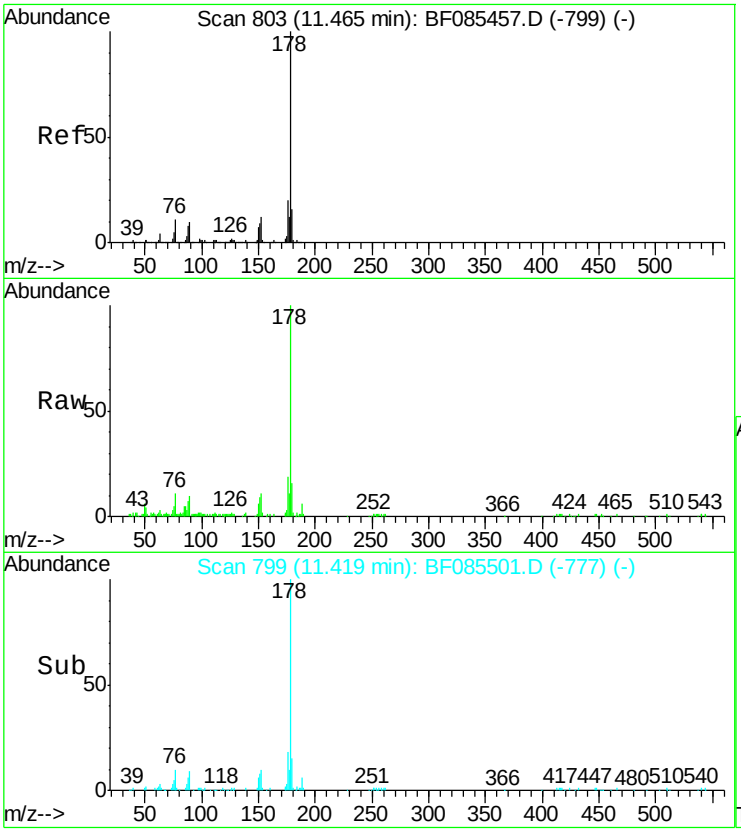


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:188 Resp: 405005

Ion	Ratio	Lower	Upper
188	100		
94	12.1	7.0	10.6#
80	12.7	7.4	11.0#

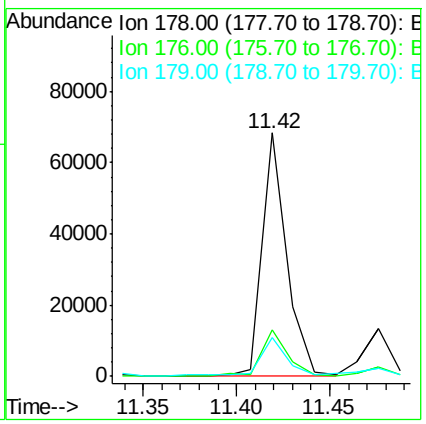




#70
Phenanthrene
Concen: 2.98 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:178 Resp: 62896

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.8	25.2
179	15.8	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
SP-2RE

Manual Integrations APPROVED
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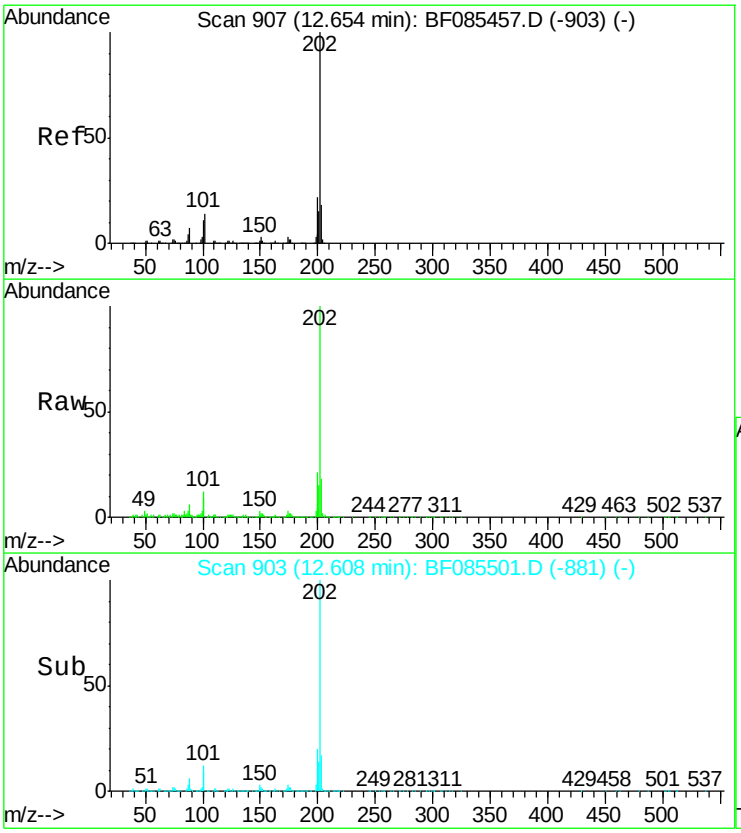
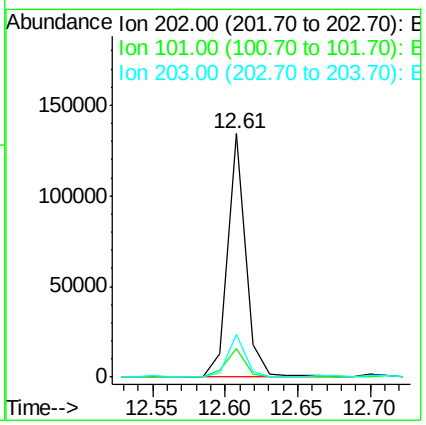
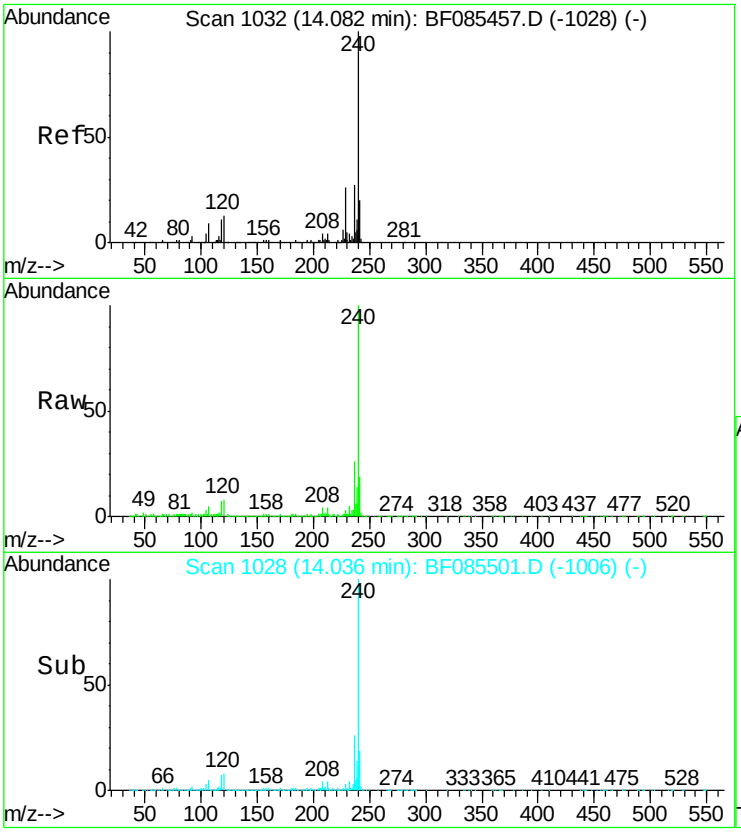


#74
Fluoranthene
Concen: 5.72 ng
RT: 12.61 min Scan# 903
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:202 Resp: 113511

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.8
203	17.6	0.0	38.4

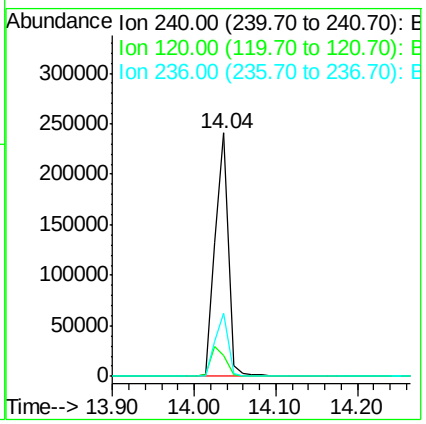




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 1028
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:240 Resp: 271881

Ion	Ratio	Lower	Upper
240	100		
120	8.5	5.3	7.9#
236	26.2	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
SP-2RE

Manual Integrations APPROVED
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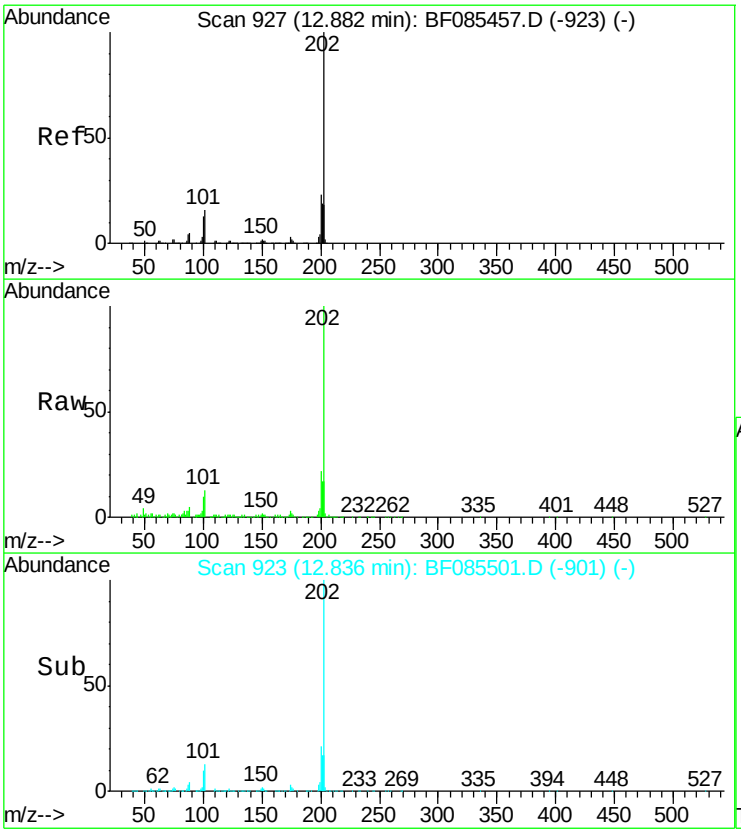
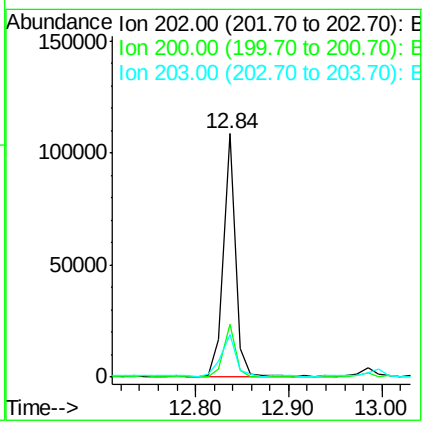
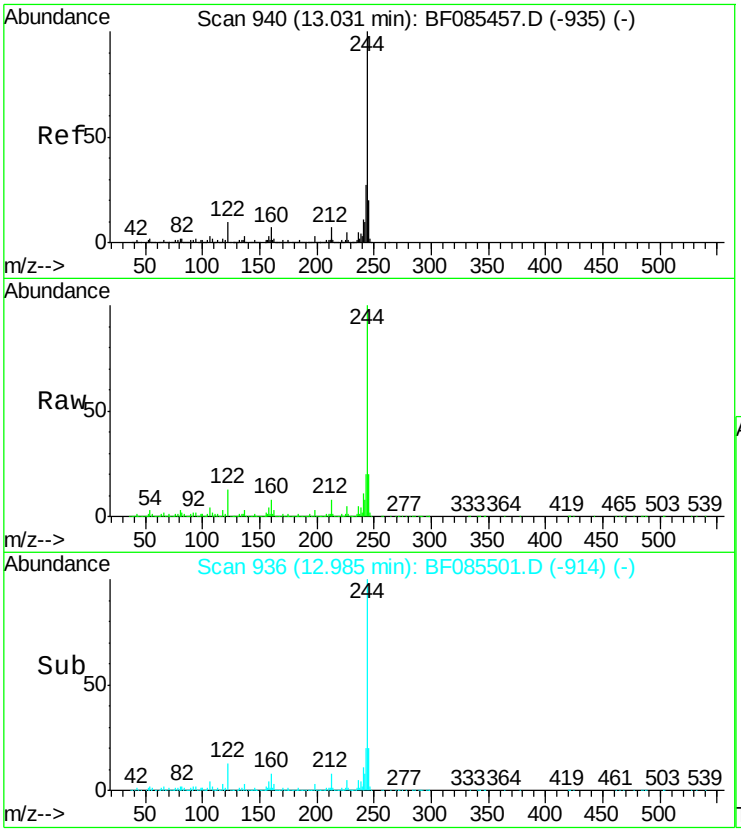


#77
Pyrene
Concen: 4.73 ng
RT: 12.84 min Scan# 923
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:202 Resp: 96389

Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.2	27.4
203	17.4	14.7	22.1

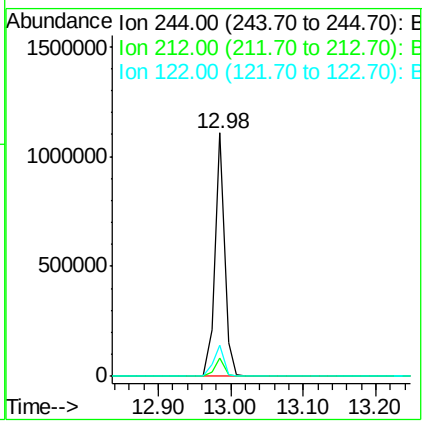




#78
Terphenyl-d14
Concen: 85.27 ng
RT: 12.98 min Scan# 936
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:244 Resp: 1024778

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.4	9.6
122	12.9	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
SP-2RE

Manual Integrations APPROVED
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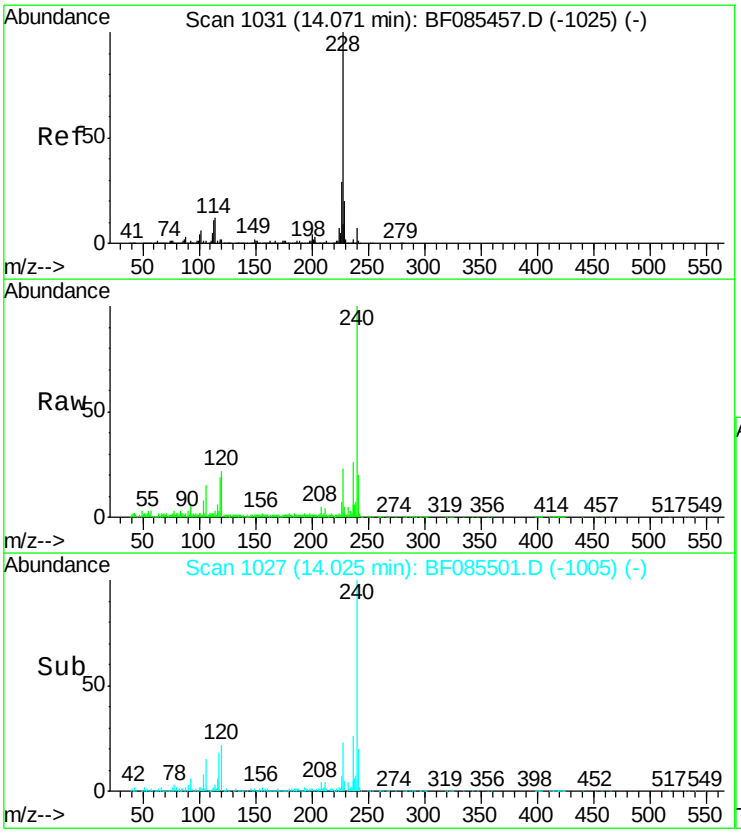
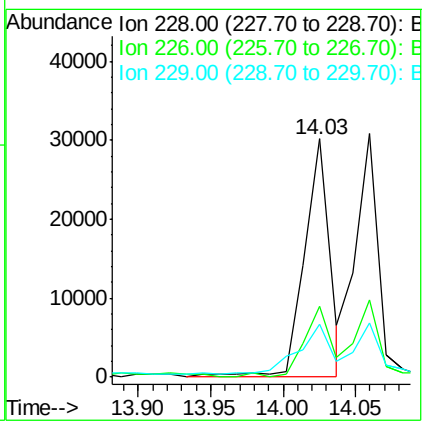
3/18/2016 3:46:06 PM

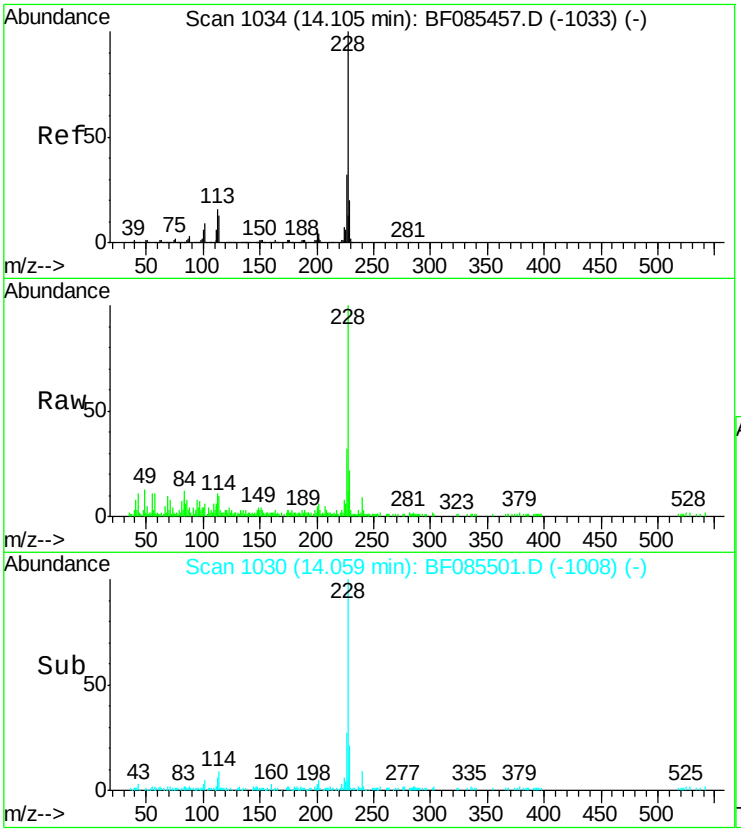


#80
Benzo(a)anthracene
Concen: 2.36 ng
RT: 14.03 min Scan# 1027
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:228 Resp: 36817

Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.8	34.2
229	22.1	16.6	24.8

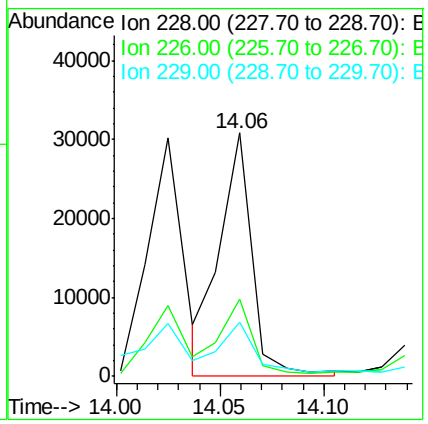




#82
Chrysene
Concen: 2.39 ng m
RT: 14.06 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:228 Resp: 33560

Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.2	37.8
229	22.3	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SP-2RE

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UMANGI
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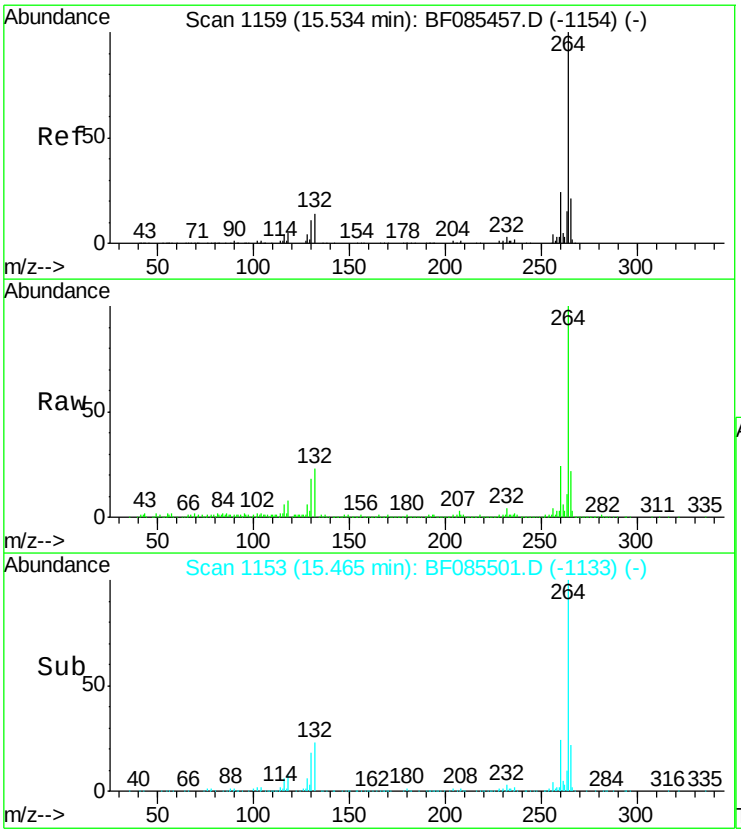
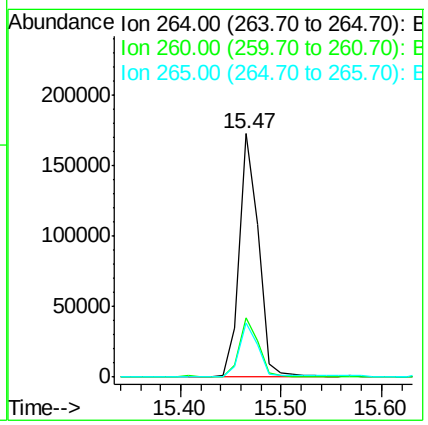
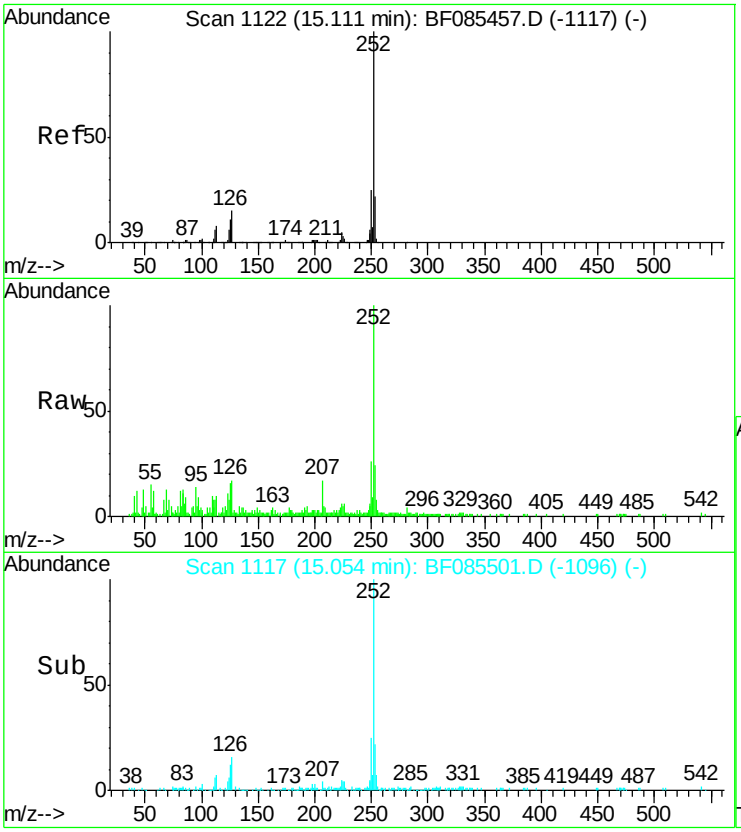


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:264 Resp: 227110

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.0	17.3	25.9

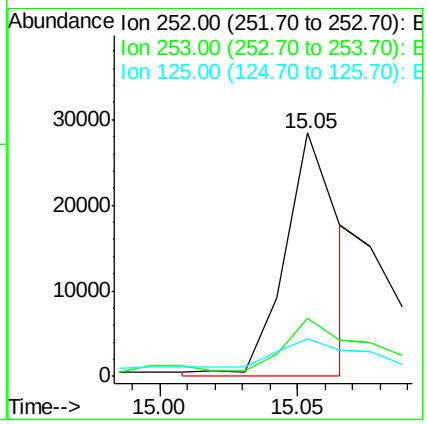




#87
Benzo(b)fluoranthene
Concen: 2.61 ng m
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

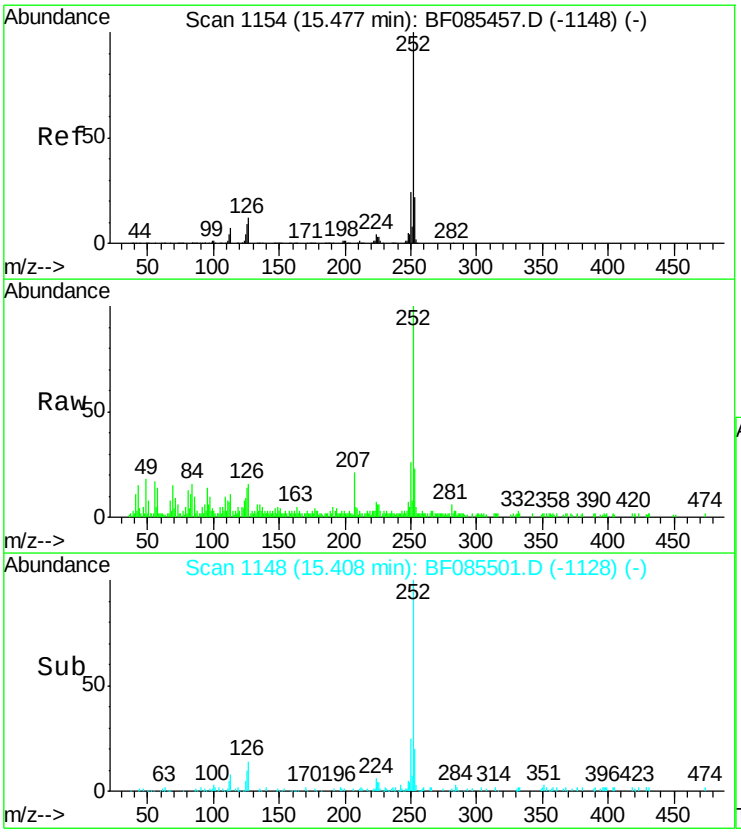
Tgt Ion:252 Resp: 38763

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	15.6	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
SP-2RE

Manual Integrations APPROVED
UMANGI
3/18/2016 3:46:06 PM



#89
Benzo(a)pyrene
Concen: 2.14 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:252 Resp: 27483

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	14.5	8.2	12.4#