Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
Data File : BF086011.D
Acq On : 2 Apr 2016 14:59
Operator : UM/SJ
Sample : H2055-13
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-13(0-2)

Manual Integrations APPROVED
Sohil
4/4/2016 7:41:28 PM

Quant Time: Apr 04 02:20:15 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	110644	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	421965	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	189231	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	354579	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	248309	20.00	ng	0.00
86) Perylene-d12	15.33	264	224996	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	846639	130.79	ng	0.00
7) Phenol-d6	6.42	99	1080736	131.44	ng	0.00
23) Nitrobenzene-d5	7.34	82	708611	99.03	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	267084	150.38	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1045081	91.83	ng	0.00
78) Terphenyl-d14	12.88	244	843968	79.90	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.53	163	148988	10.62	ng	99
70) Phenanthrene	11.31	178	69236	3.58	ng	99
74) Fluoranthene	12.50	202	110520	5.49	ng	96
77) Pyrene	12.73	202	96423	5.51	ng	98
80) Benzo(a)anthracene	13.92	228	50252	3.43	ng	99
82) Chrysene	13.95	228	31604	2.24	ng	96
87) Benzo(b)fluoranthene	14.95	252	39614m	2.80	ng	
89) Benzo(a)pyrene	15.28	252	29353	2.34	ng	95

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

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Instrument :
BNA_F
ClientSampleId :
BH-13(0-2)

Manual Integrations APPROVED
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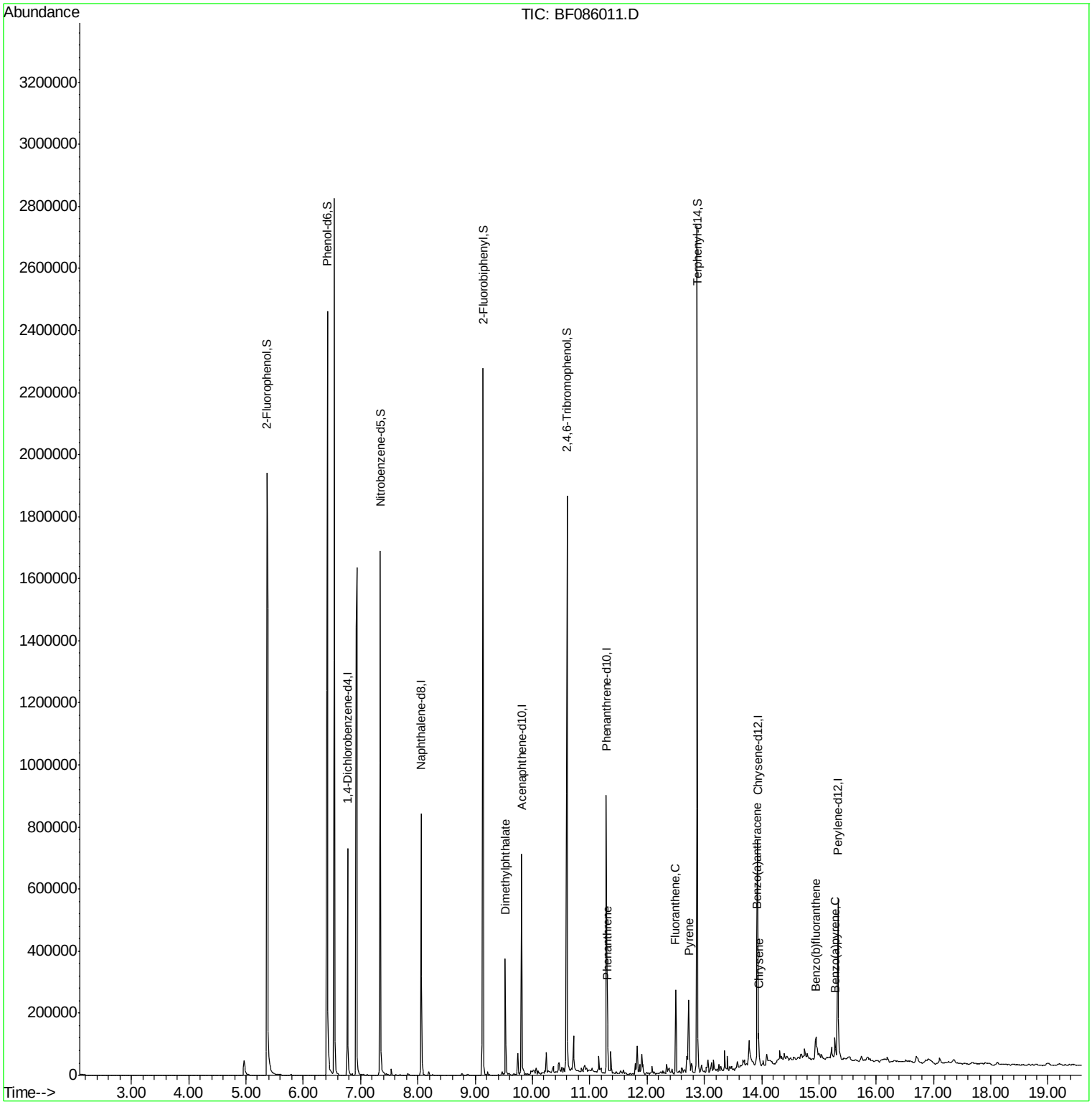
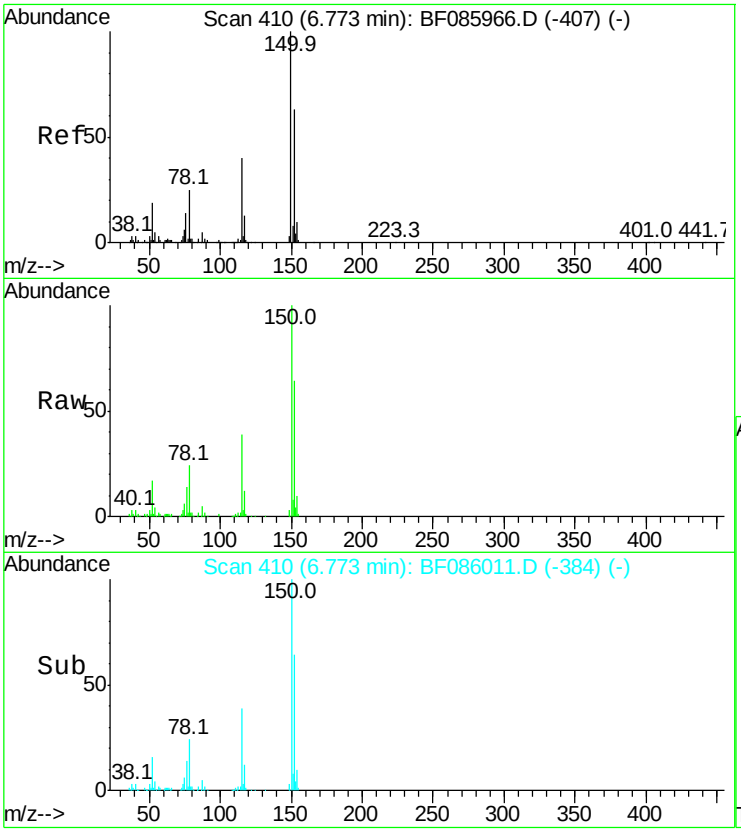
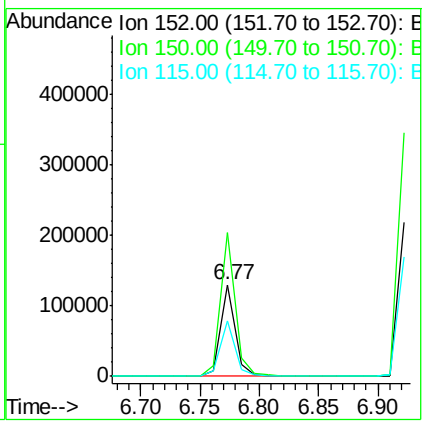




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:152 Resp: 110644

Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.2	186.2
115	60.8	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
BH-13(0-2)

Manual Integrations APPROVED
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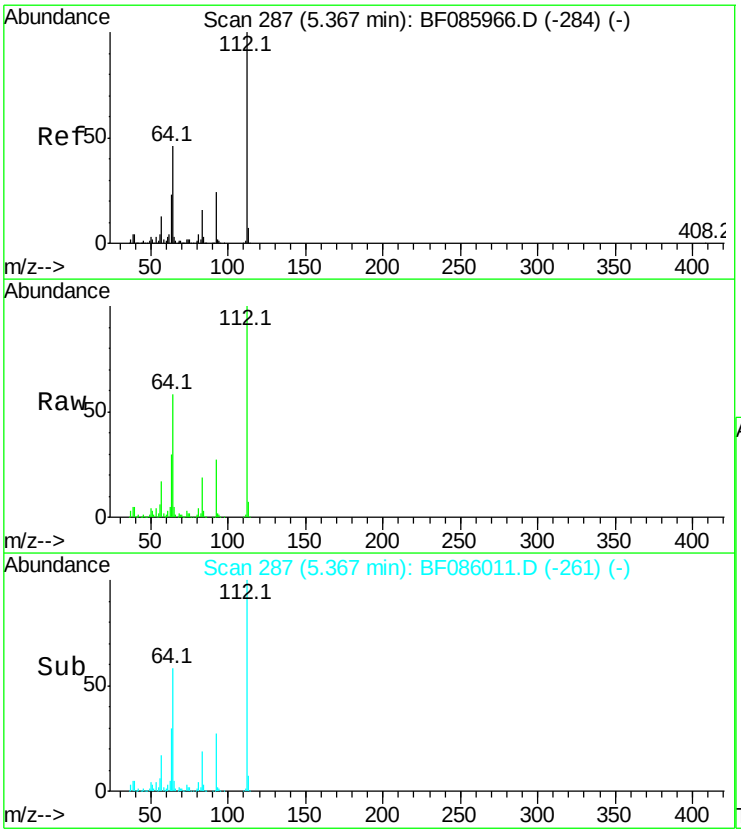
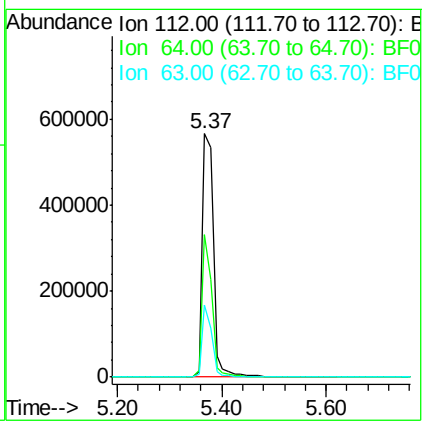
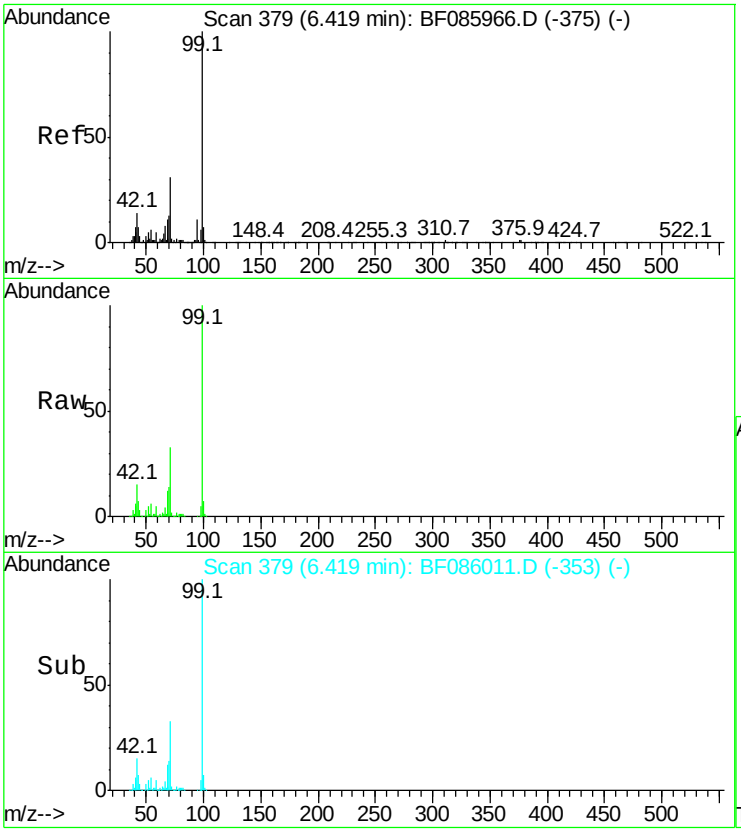


#5
2-Fluorophenol
Concen: 130.79 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:112 Resp: 846639

Ion	Ratio	Lower	Upper
112	100		
64	58.4	39.9	59.9
63	29.7	20.2	30.2

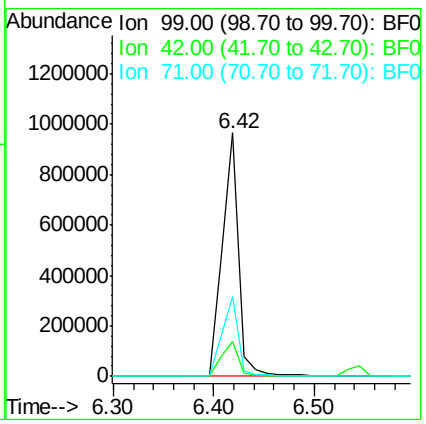




#7
Phenol-d6
Concen: 131.44 ng
RT: 6.42 min Scan# 379
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion: 99 Resp: 1080736

Ion	Ratio	Lower	Upper
99	100		
42	14.6	11.1	16.7
71	32.6	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
BH-13(0-2)

Manual Integrations APPROVED
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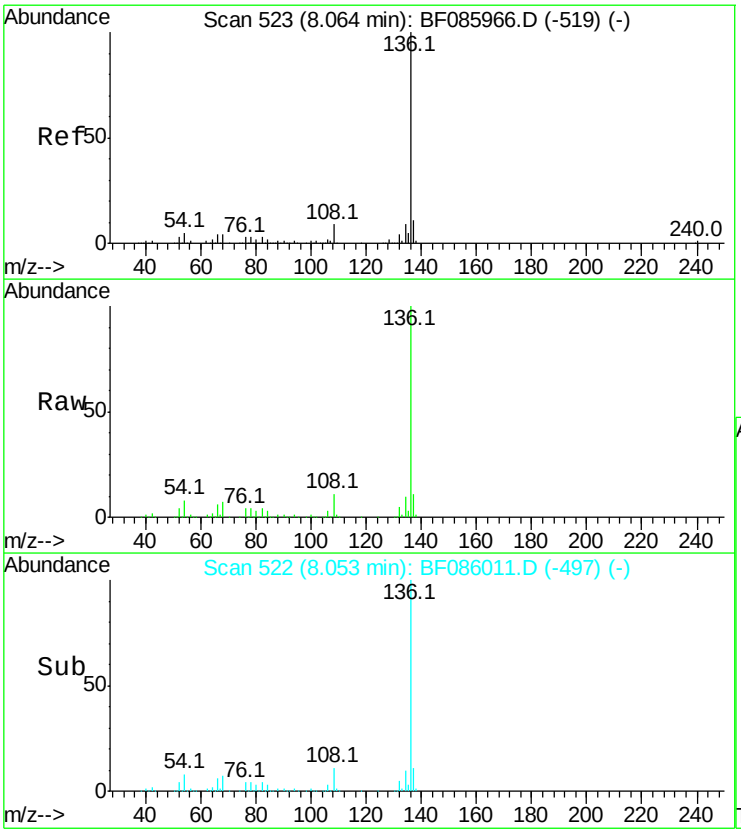
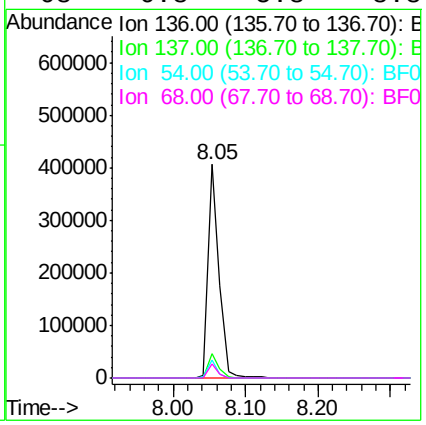
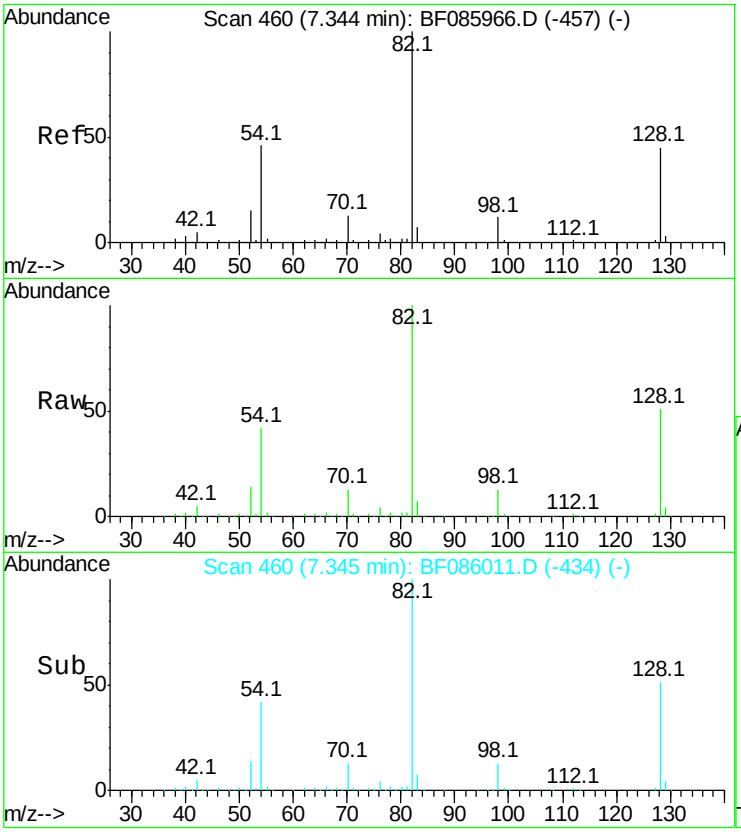


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:136 Resp: 421965

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	8.3	7.4	11.0
68	6.8	5.8	8.8

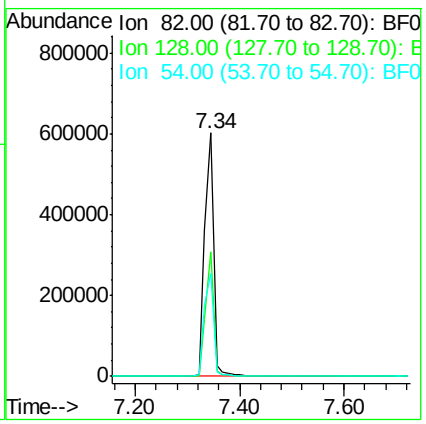




#23
Nitrobenzene-d5
Concen: 99.03 ng
RT: 7.34 min Scan# 460
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion: 82 Resp: 708611

Ion	Ratio	Lower	Upper
82	100		
128	51.1	41.8	62.8
54	42.4	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
BH-13(0-2)

Manual Integrations APPROVED
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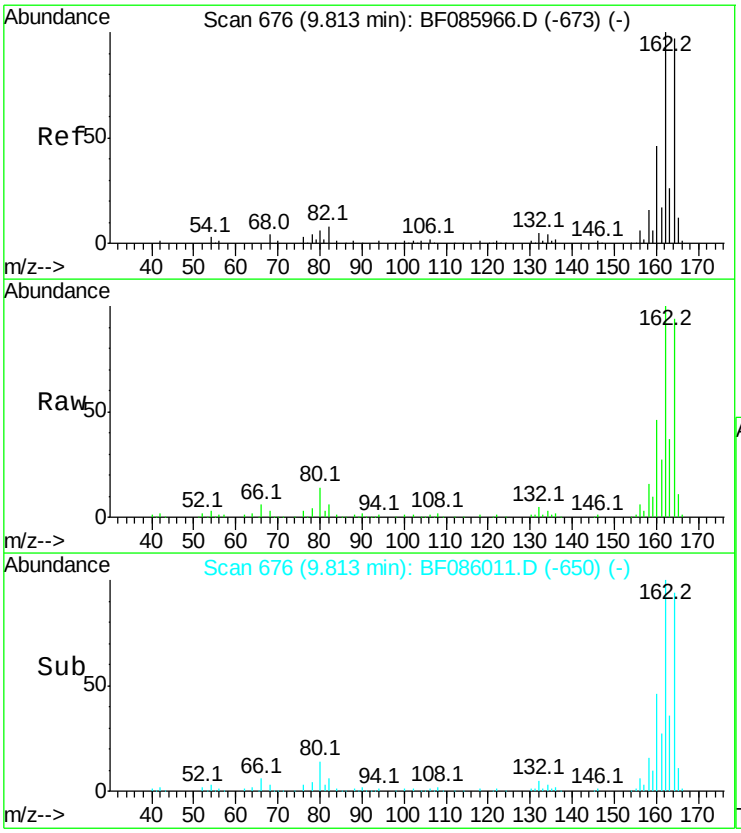
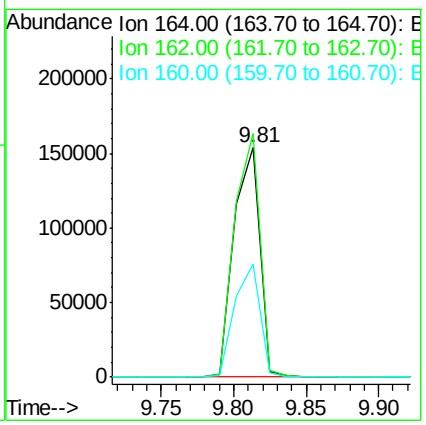
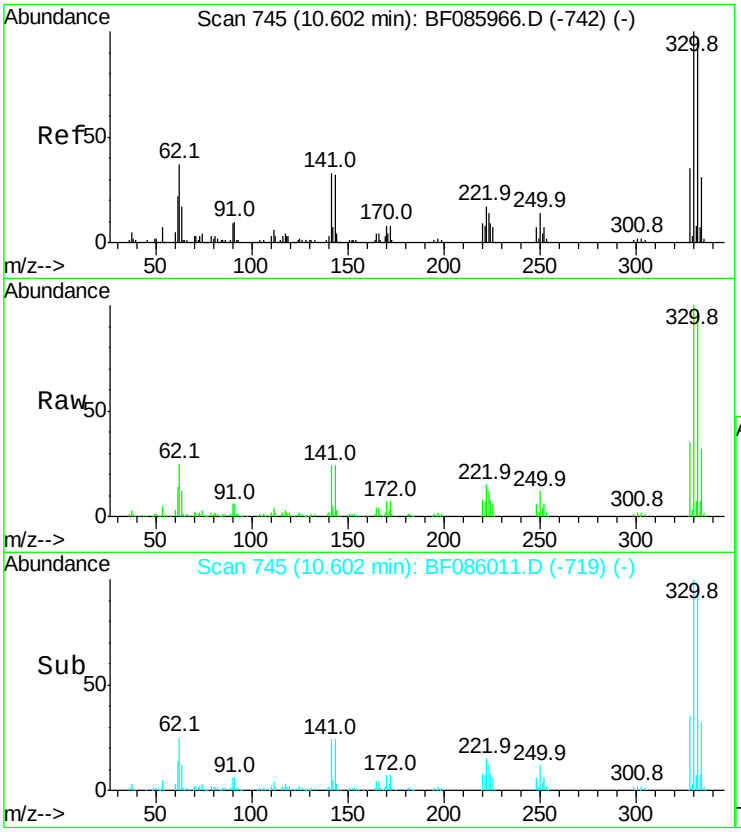


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 676
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:164 Resp: 189231

Ion	Ratio	Lower	Upper
164	100		
162	106.3	82.1	123.1
160	49.3	37.4	56.2

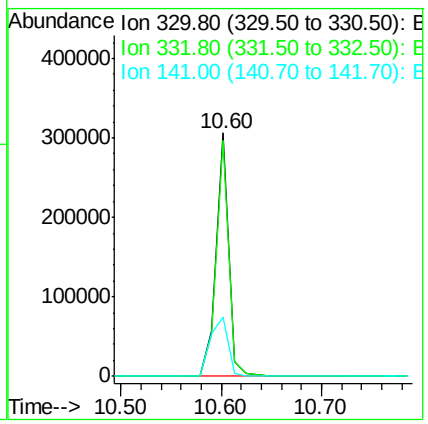




#41
2,4,6-Tribromophenol
Concen: 150.38 ng
RT: 10.60 min Scan# 745
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:330 Resp: 267084

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.2	117.2
141	34.9	31.5	47.3



Instrument :
BNA_F
ClientSampleId :
BH-13(0-2)

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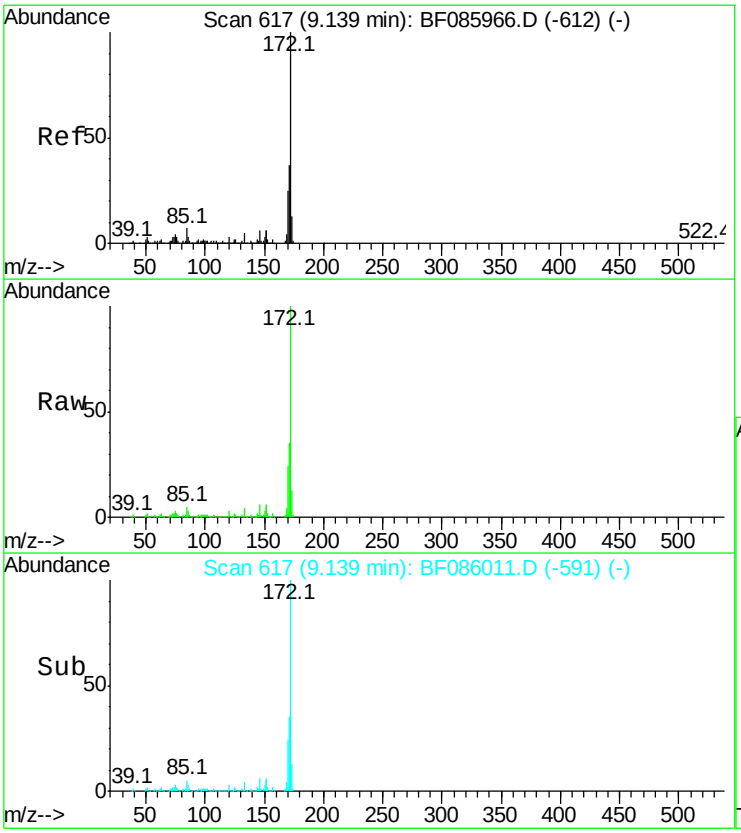
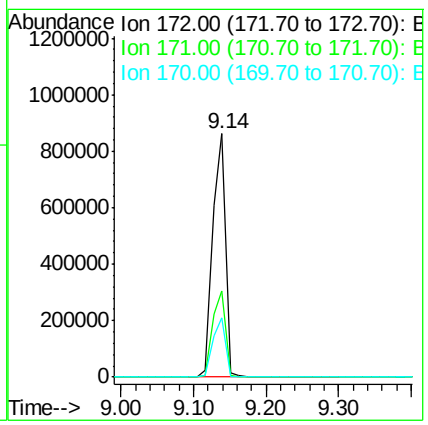
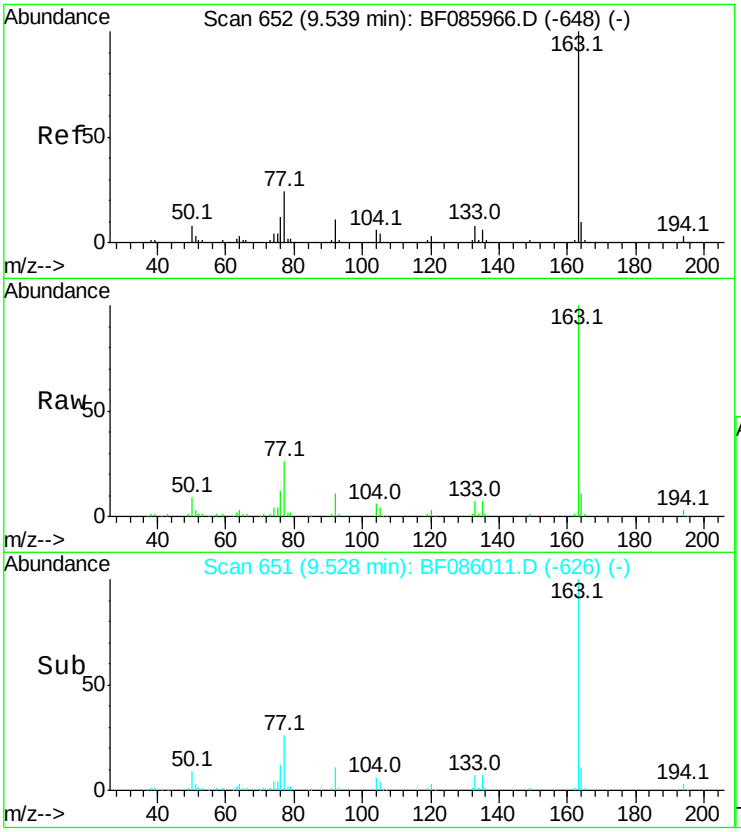


#44
2-Fluorobiphenyl
Concen: 91.83 ng
RT: 9.14 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:172 Resp: 1045081

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.4	44.2
170	24.2	19.8	29.6

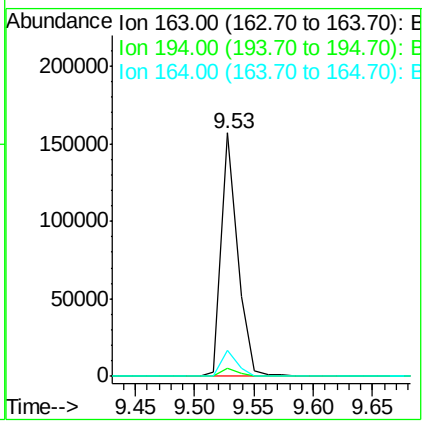




#49
Dimethylphthalate
Concen: 10.62 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.01 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:163 Resp: 148988

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.9	4.3
164	10.5	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
BH-13(0-2)

Manual Integrations APPROVED
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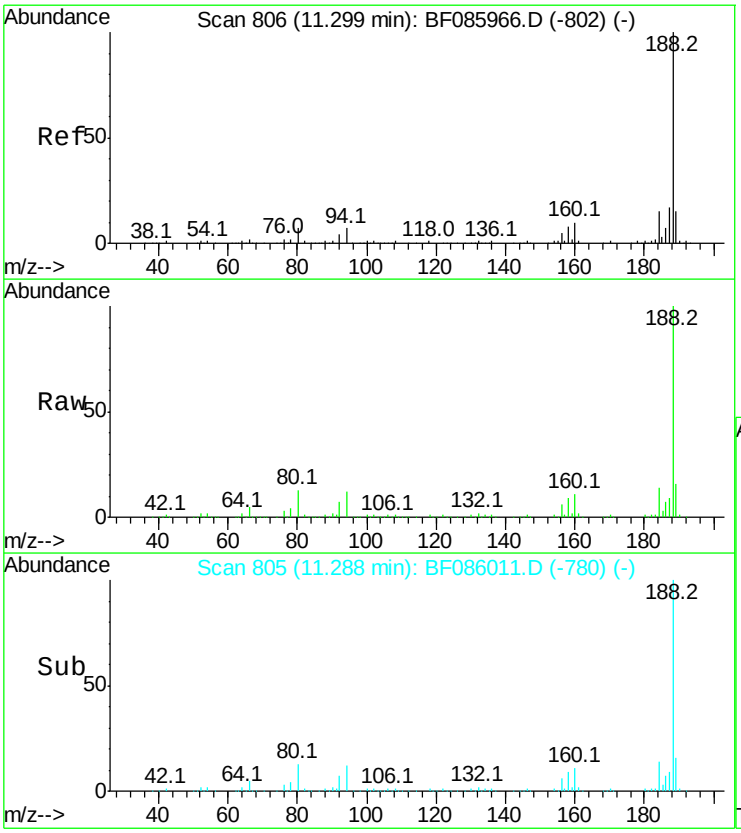
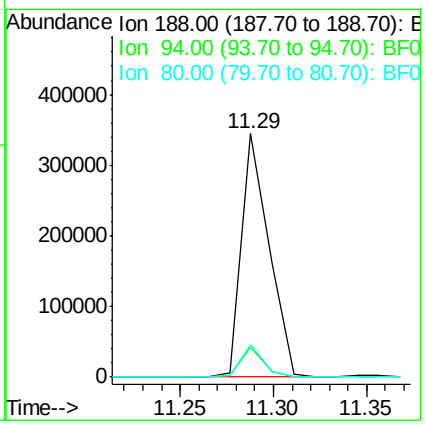
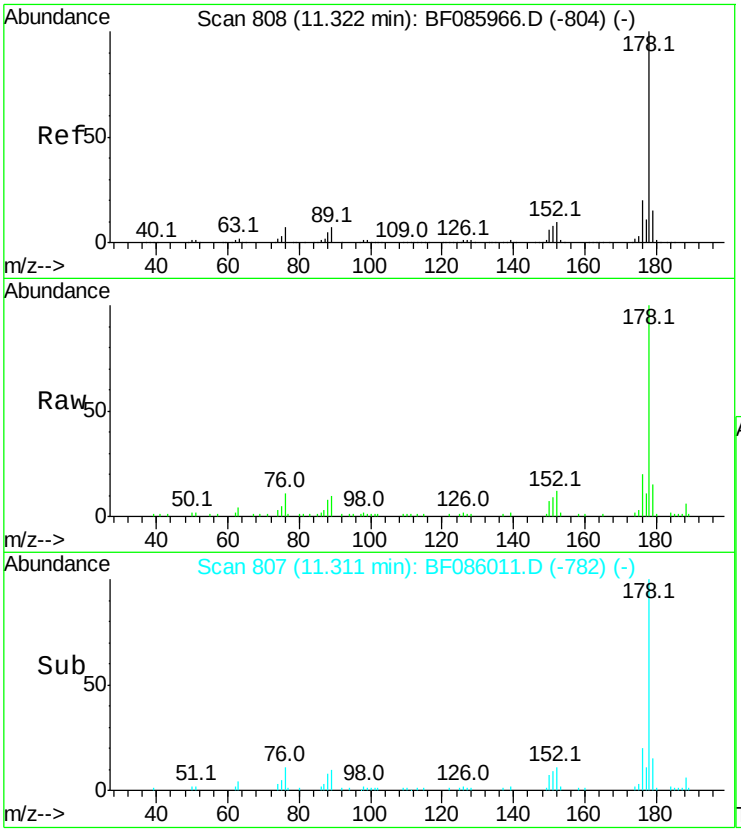


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:188 Resp: 354579

Ion	Ratio	Lower	Upper
188	100		
94	12.4	5.4	8.0#
80	13.3	5.5	8.3#

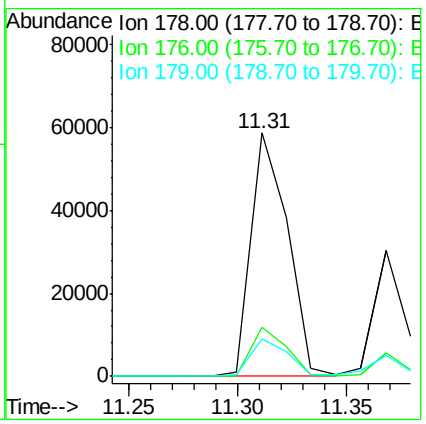




#70
Phenanthrene
Concen: 3.58 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:178 Resp: 69236

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.3	24.5
179	15.5	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
BH-13(0-2)

Manual Integrations APPROVED
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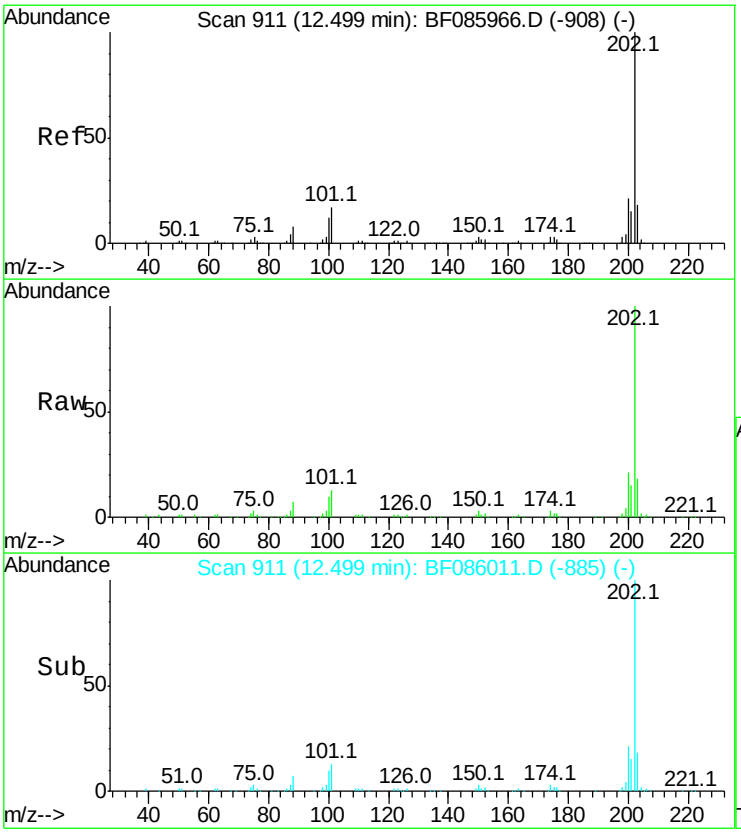
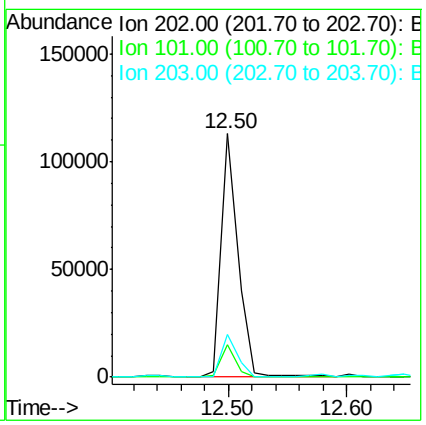
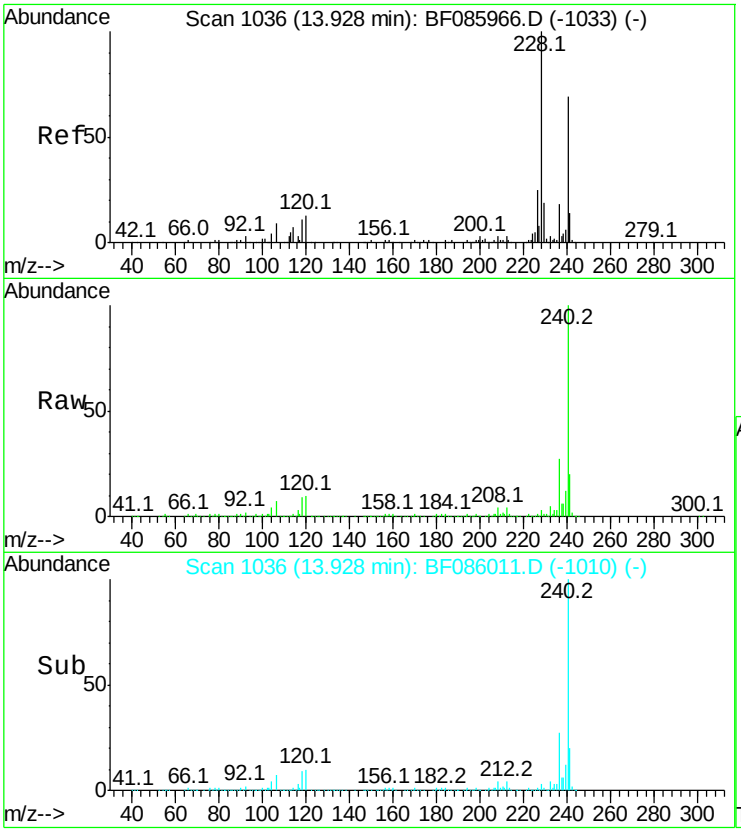


#74
Fluoranthene
Concen: 5.49 ng
RT: 12.50 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:202 Resp: 110520

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	36.6
203	17.6	0.0	38.1

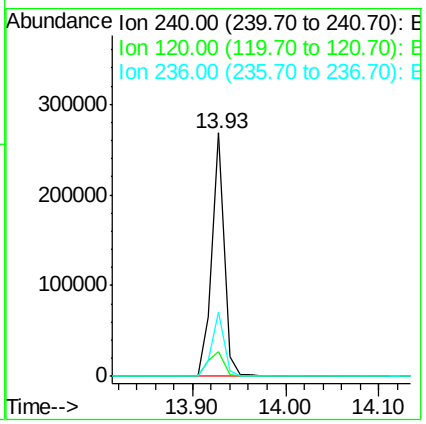




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:240 Resp: 248309

Ion	Ratio	Lower	Upper
240	100		
120	10.0	13.8	20.8#
236	26.7	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
BH-13(0-2)

Manual Integrations APPROVED
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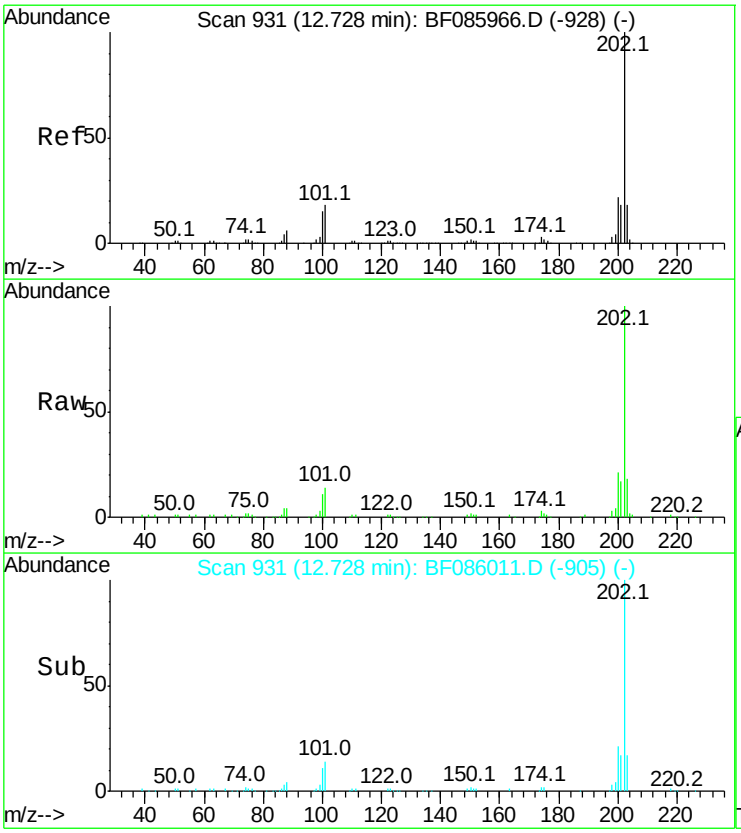
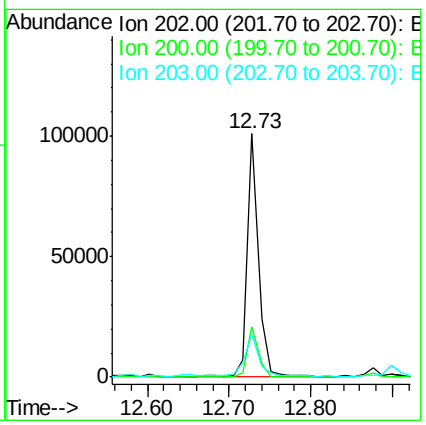
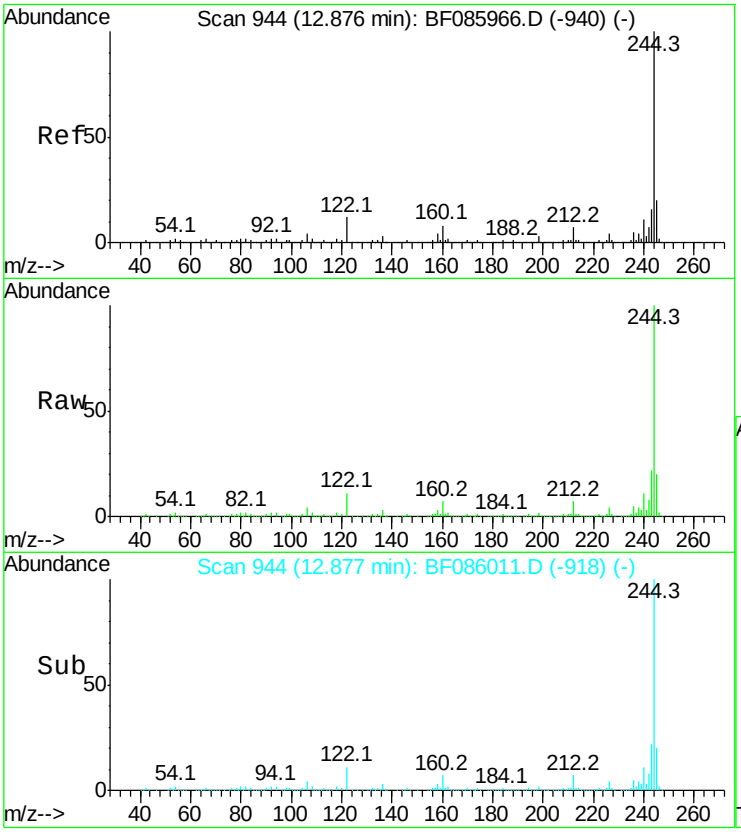


#77
Pyrene
Concen: 5.51 ng
RT: 12.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:202 Resp: 96423

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	17.6	14.0	21.0

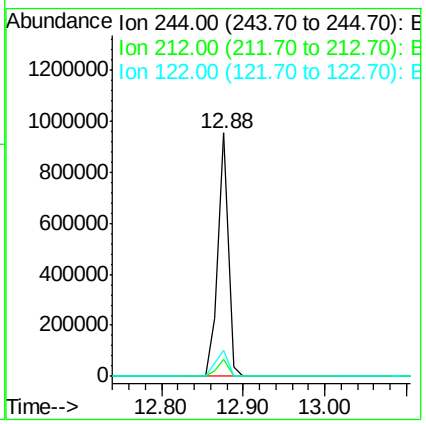




#78
Terphenyl-d14
Concen: 79.90 ng
RT: 12.88 min Scan# 944
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:244 Resp: 843968

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	10.7	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
BH-13(0-2)

Manual Integrations APPROVED
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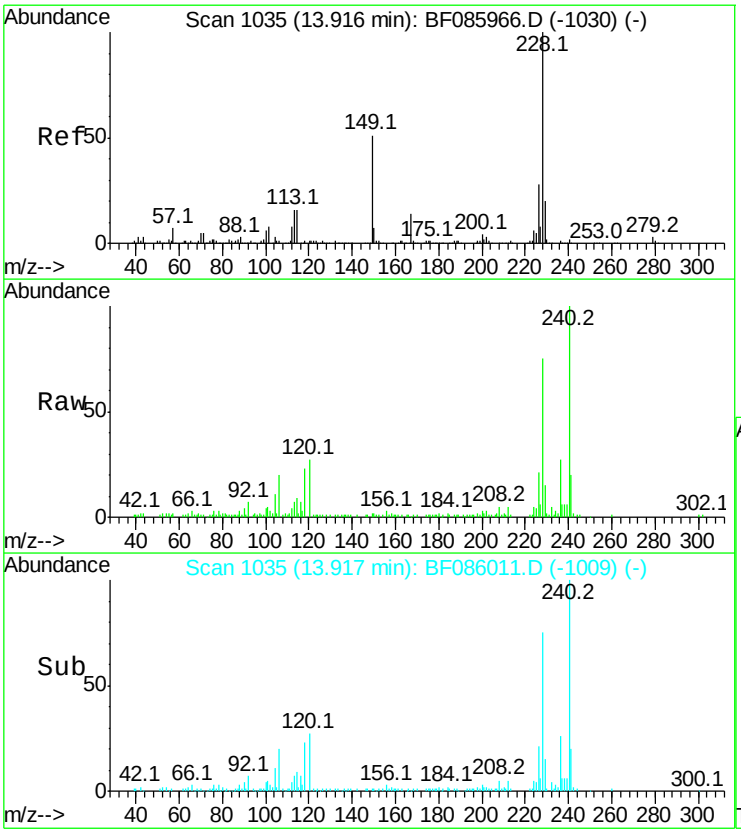
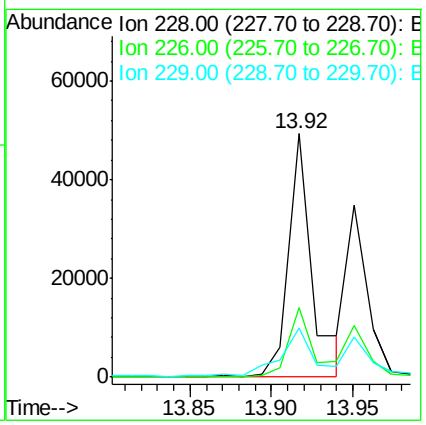
4/4/2016 7:41:28 PM

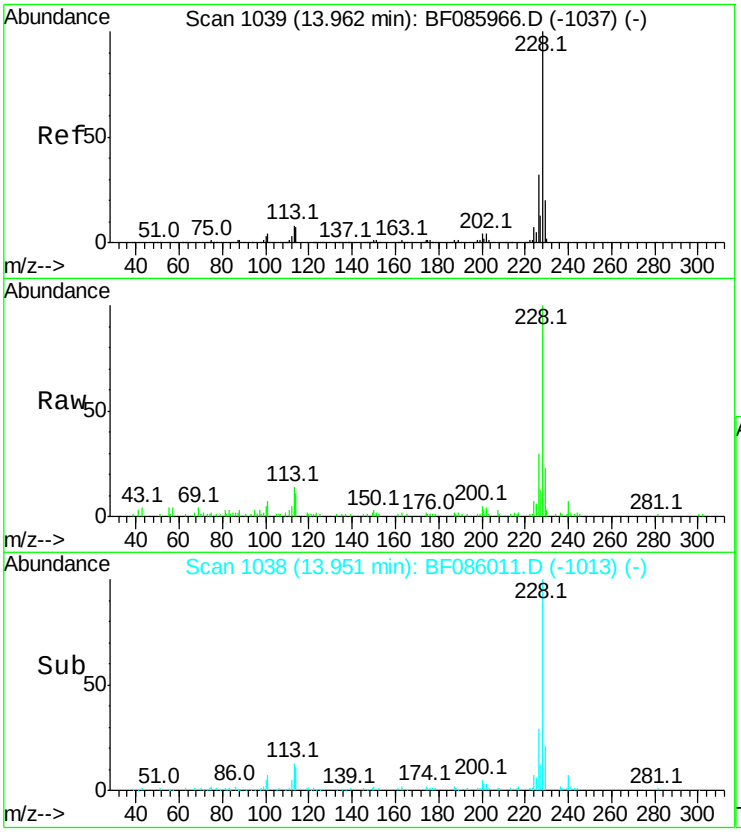


#80
Benzo(a)anthracene
Concen: 3.43 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:228 Resp: 50252

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.1	33.1
229	20.1	16.2	24.4

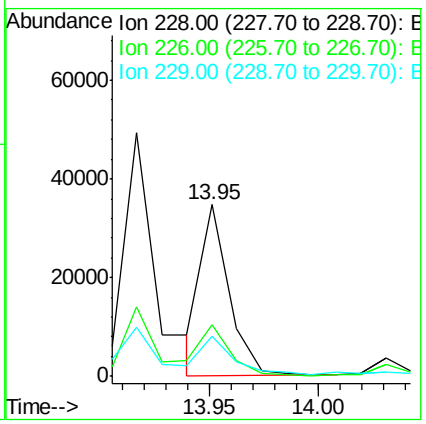




#82
Chrysene
Concen: 2.24 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

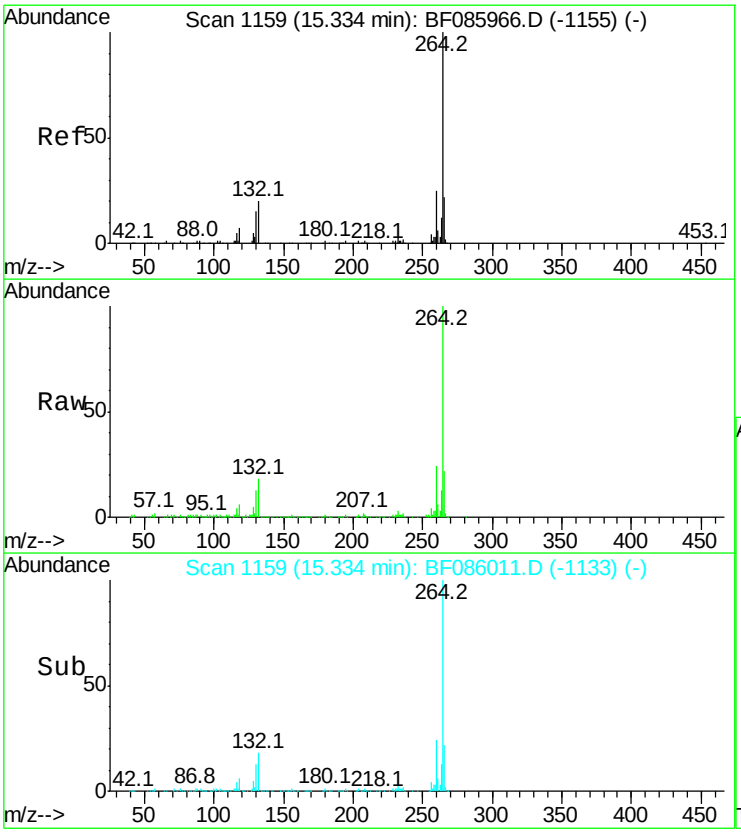
Tgt Ion:228 Resp: 31604

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	23.1	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
BH-13(0-2)

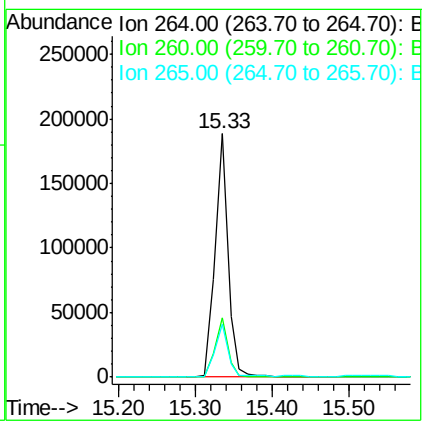
Manual Integrations APPROVED
Sohil
4/4/2016 7:41:28 PM

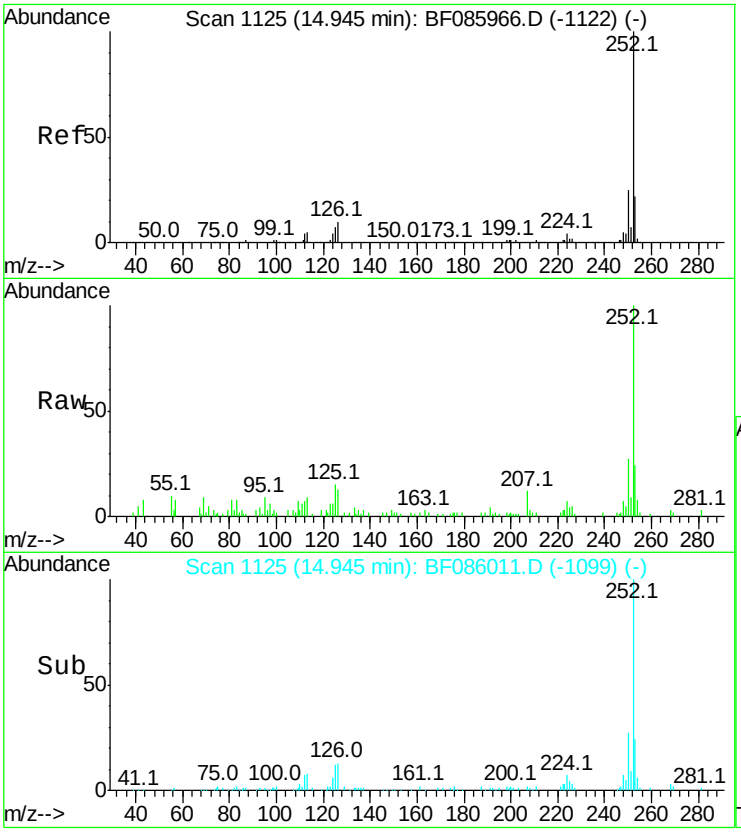


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:264 Resp: 224996

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.8	17.2	25.8

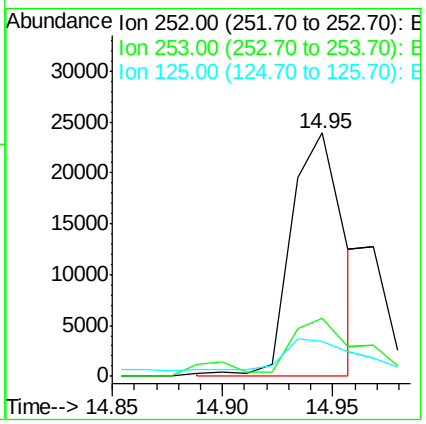




#87
Benzo(b)fluoranthene
Concen: 2.80 ng m
RT: 14.95 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

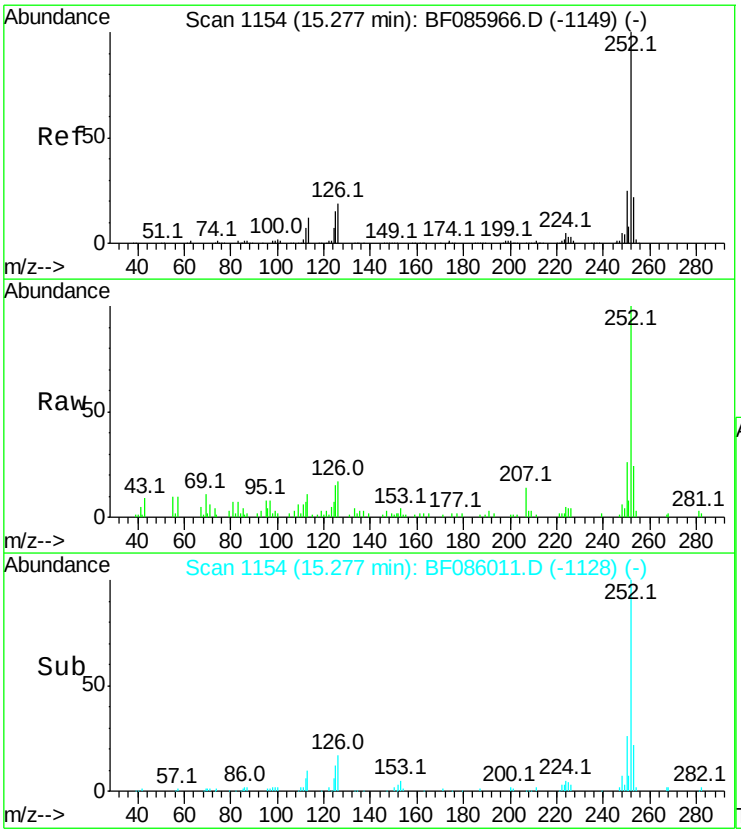
Tgt Ion:252 Resp: 39614

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	14.6	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
BH-13(0-2)

Manual Integrations APPROVED
Sohil
4/4/2016 7:41:28 PM



#89
Benzo(a)pyrene
Concen: 2.34 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF086011.D
Acq: 2 Apr 2016 14:59

Tgt Ion:252 Resp: 29353

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	14.9	10.3	15.5