Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085892.D
Acq On : 30 Mar 2016 17:59
Operator : UM/SJ
Sample : H2023-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-1

Manual Integrations APPROVED
Sohil
3/31/2016 4:51:52 PM

Quant Time: Mar 31 03:51:48 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 12:31:18 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	96698	20.00	ng		-0.01
21) Naphthalene-d8	8.08	136	401818	20.00	ng		-0.01
38) Acenaphthene-d10	9.84	164	163784	20.00	ng		0.00
63) Phenanthrene-d10	11.32	188	300859	20.00	ng		-0.01
75) Chrysene-d12	13.96	240	203502	20.00	ng		-0.01
86) Perylene-d12	15.37	264	199405	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	51174	8.81	ng		0.00
7) Phenol-d6	6.44	99	67650	9.16	ng		-0.01
23) Nitrobenzene-d5	7.36	82	41738	5.85	ng		-0.01
41) 2,4,6-Tribromophenol	10.63	330	10683	6.87	ng		0.00
44) 2-Fluorobiphenyl	9.16	172	65705	6.70	ng		-0.01
78) Terphenyl-d14	12.90	244	37726	3.81	ng		0.00
Target Compounds							Qvalue
70) Phenanthrene	11.34	178	47523	3.08	ng		98
74) Fluoranthene	12.53	202	62713	3.82	ng		95
77) Pyrene	12.76	202	62852	3.76	ng		98
80) Benzo(a)anthracene	13.95	228	34210	2.95	ng		99
82) Chrysene	13.98	228	23853	2.04	ng		98
83) Bis(2-ethylhexyl)phthalate	13.93	149	122276	14.58	ng		99
85) Indeno(1,2,3-cd)pyrene	16.75	276	22233	2.46	ng	#	93
87) Benzo(b)fluoranthene	14.97	252	47695m	3.80	ng		
89) Benzo(a)pyrene	15.32	252	26684	2.39	ng		96
91) Benzo(g,h,i)perylene	17.17	276	21410	2.04	ng		96

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085892.D
Acq On : 30 Mar 2016 17:59
Operator : UM/SJ
Sample : H2023-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 03:51:48 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 12:31:18 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-1

Manual Integrations APPROVED
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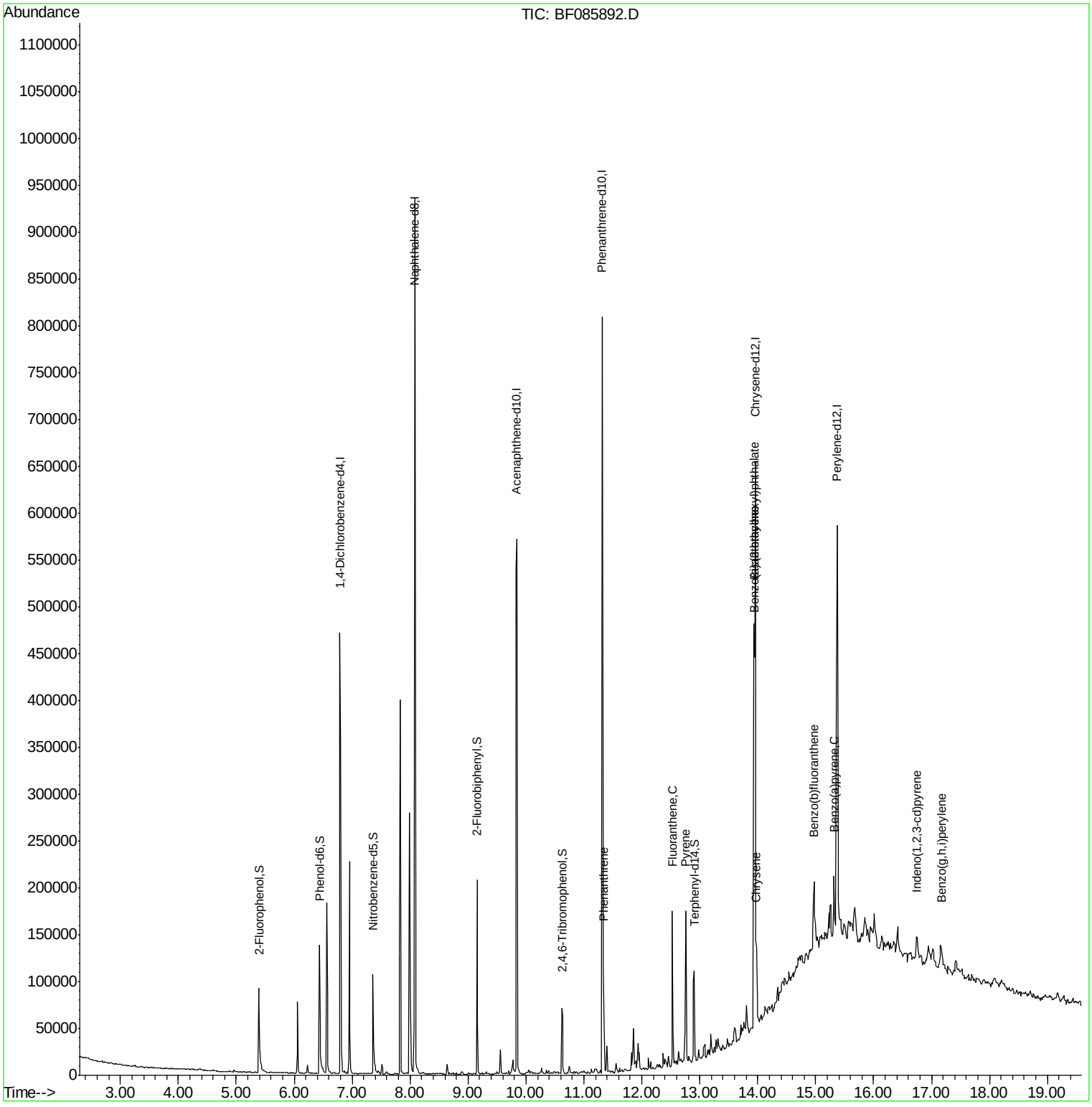
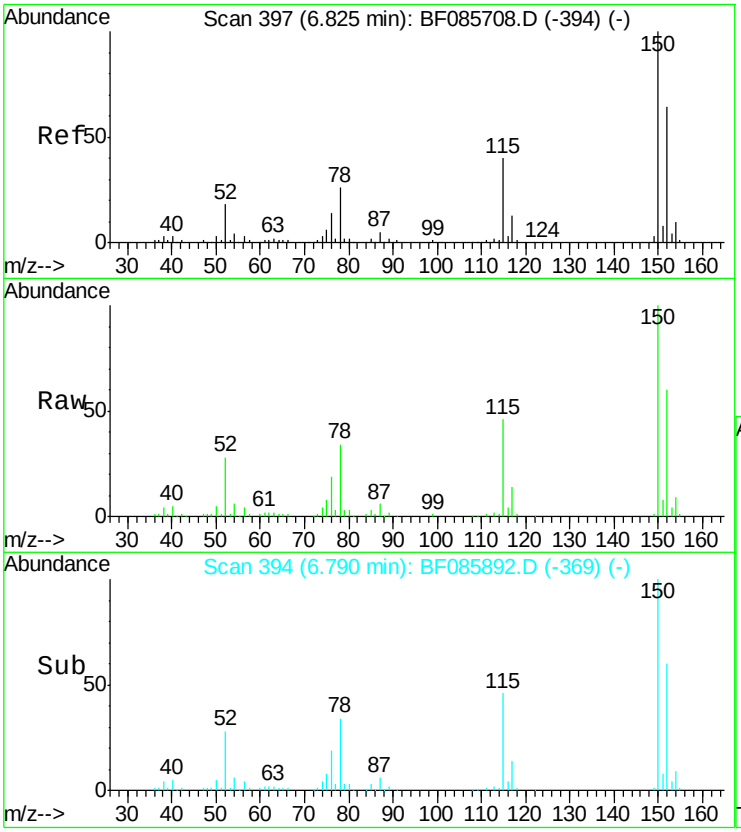
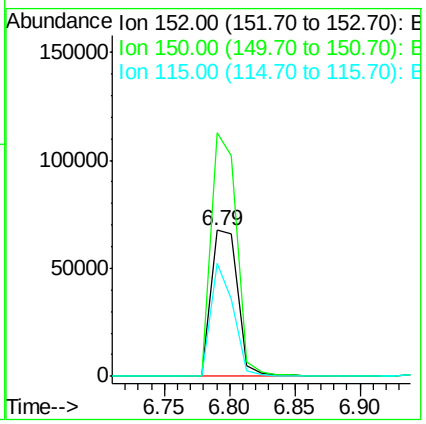




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 394
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:152 Resp: 96698

Ion	Ratio	Lower	Upper
152	100		
150	166.8	124.2	186.2
115	77.3	47.0	70.6#



Instrument :
BNA_F
ClientSampleId :
B-1

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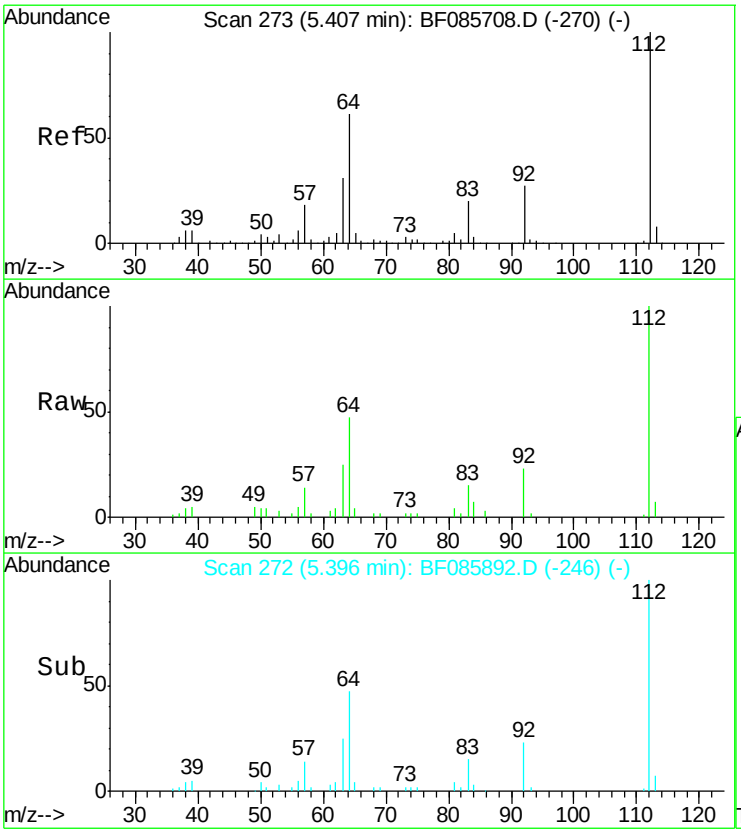
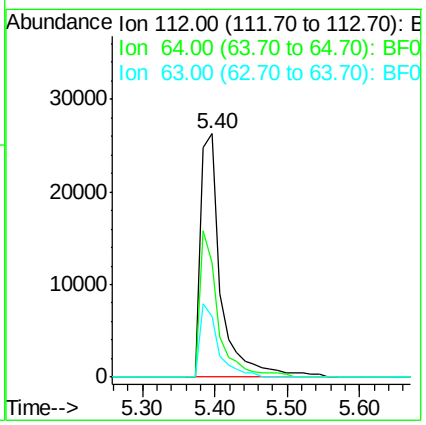
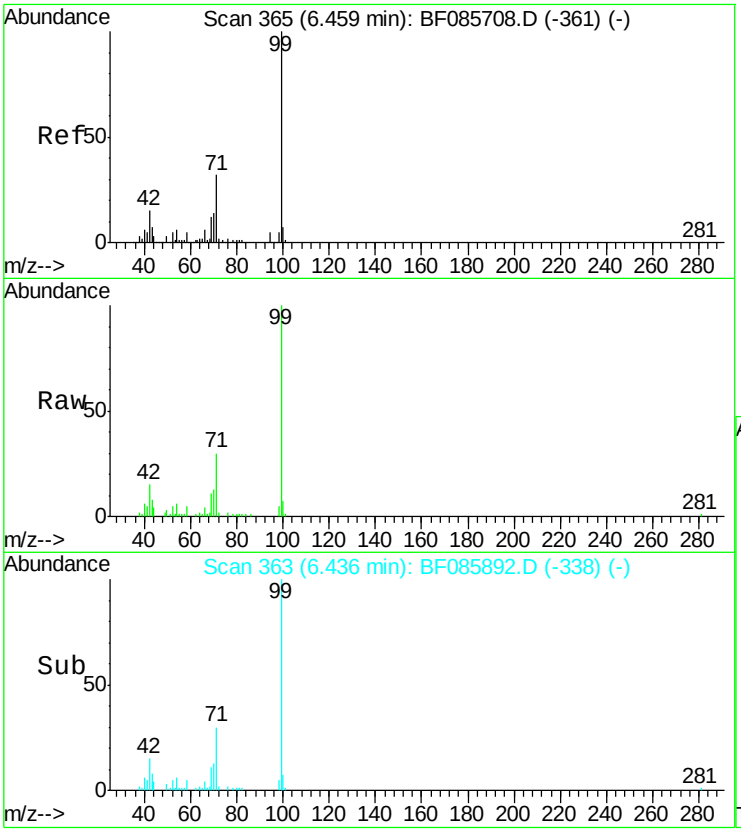


#5
2-Fluorophenol
Concen: 8.81 ng
RT: 5.40 min Scan# 272
Delta R.T. -0.00 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:112 Resp: 51174

Ion	Ratio	Lower	Upper
112	100		
64	47.1	39.9	59.9
63	24.7	20.2	30.2

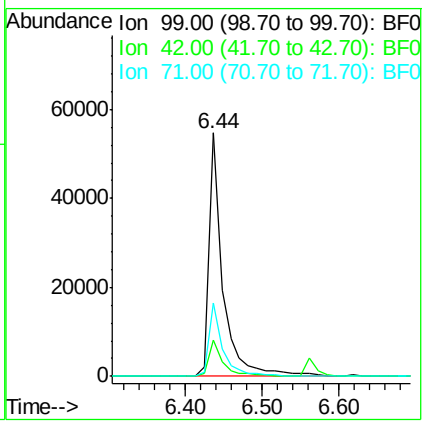




#7
Phenol-d6
Concen: 9.16 ng
RT: 6.44 min Scan# 363
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion: 99 Resp: 67650

Ion	Ratio	Lower	Upper
99	100		
42	14.6	11.1	16.7
71	30.2	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
B-1

Manual Integrations APPROVED
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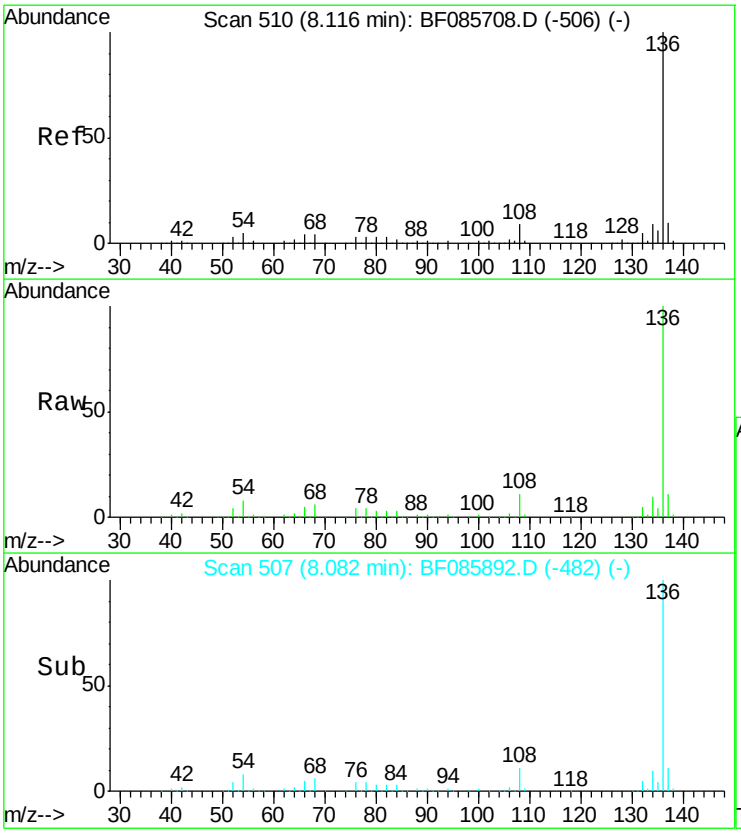
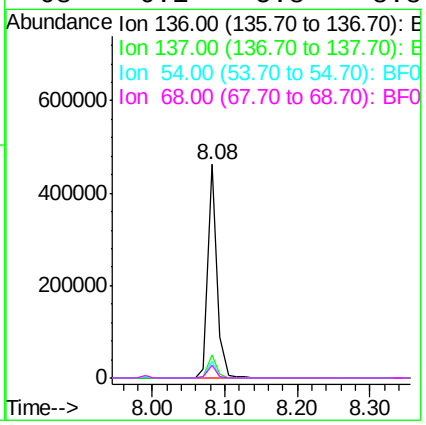
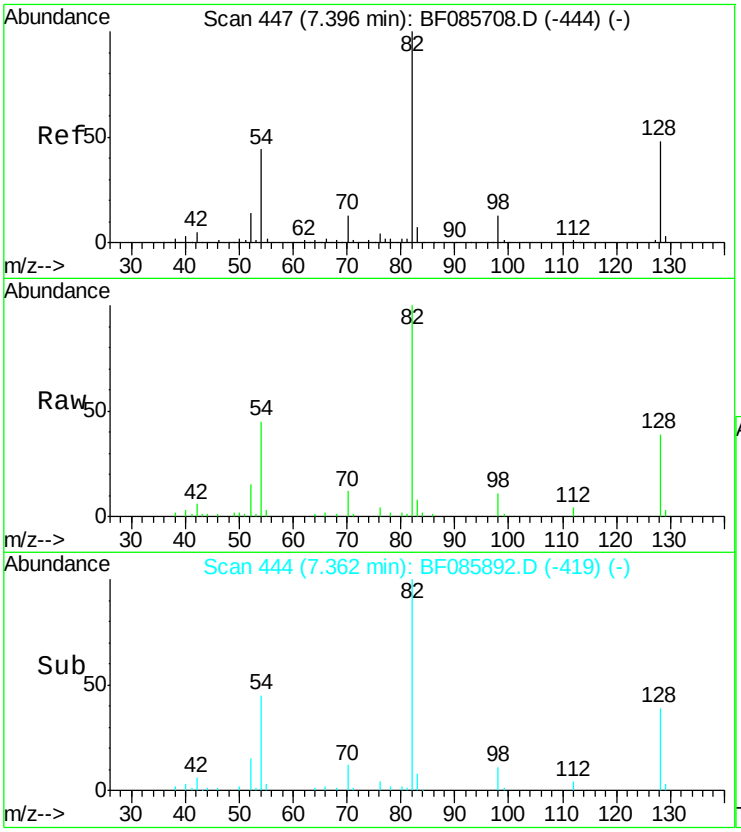


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:136 Resp: 401818

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.7	7.4	11.0
68	6.1	5.8	8.8

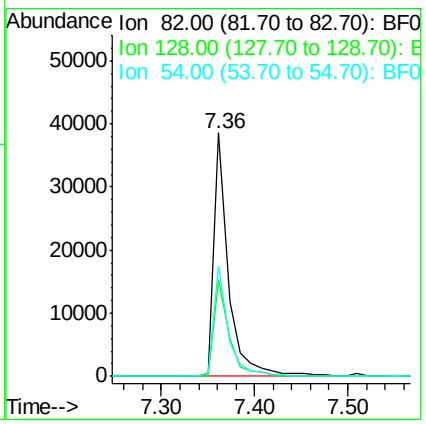




#23
Nitrobenzene-d5
Concen: 5.85 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion: 82 Resp: 41738

Ion	Ratio	Lower	Upper
82	100		
128	39.4	41.8	62.8#
54	45.4	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
B-1

Manual Integrations APPROVED
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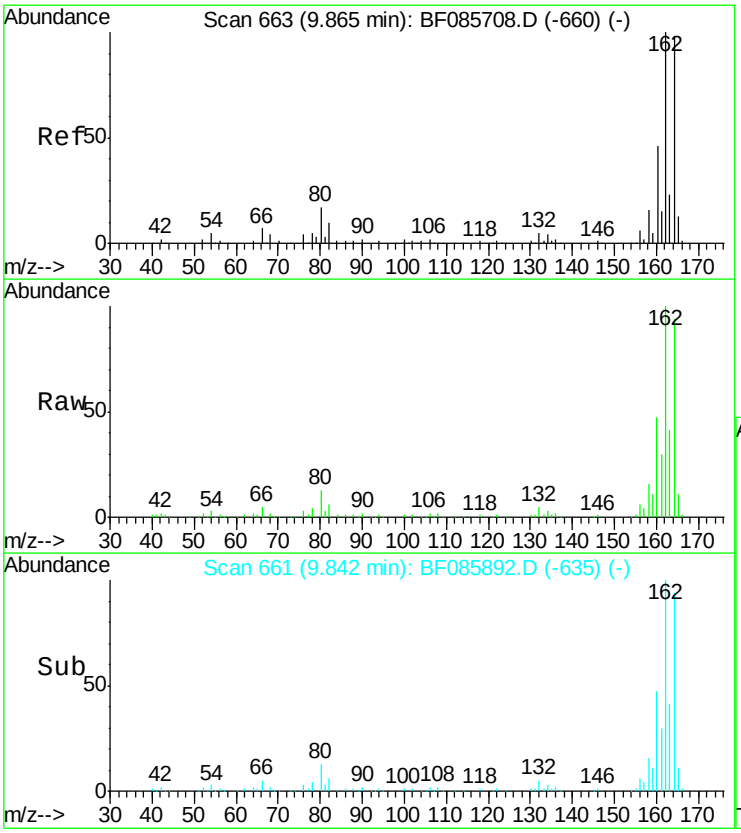
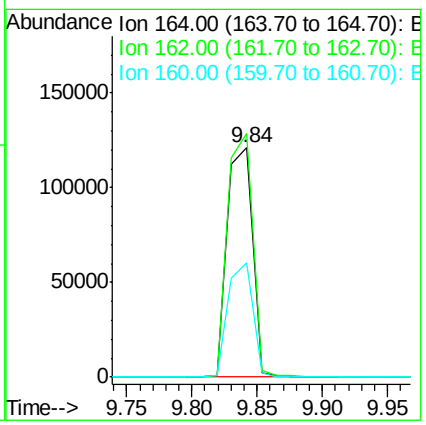
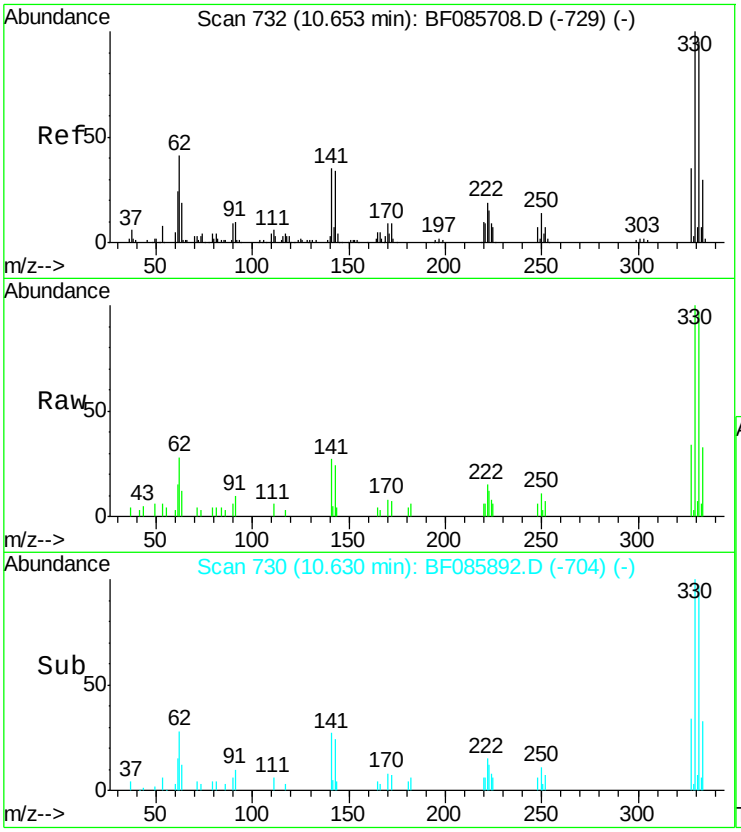


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 661
Delta R.T. -0.00 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:164 Resp: 163784

Ion	Ratio	Lower	Upper
164	100		
162	106.2	82.1	123.1
160	50.1	37.4	56.2

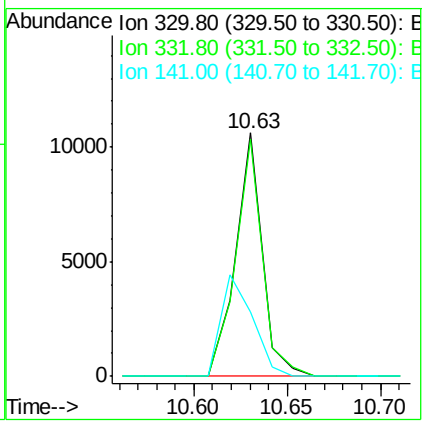




#41
2,4,6-Tribromophenol
Concen: 6.87 ng
RT: 10.63 min Scan# 730
Delta R.T. -0.00 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:330 Resp: 10683

Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.2	117.2
141	49.4	31.5	47.3#



Instrument :
BNA_F
ClientSampleId :
B-1

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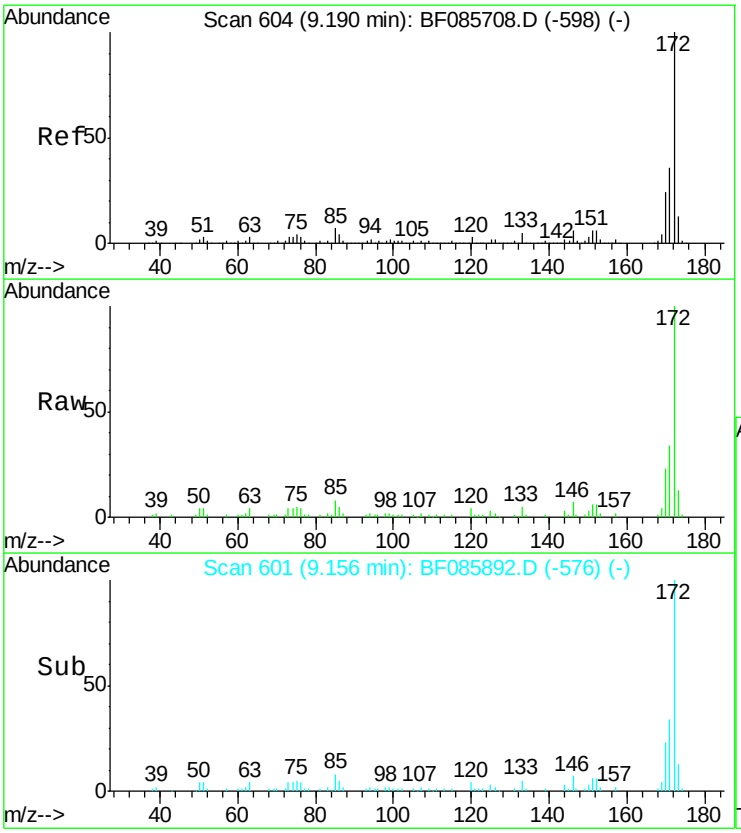
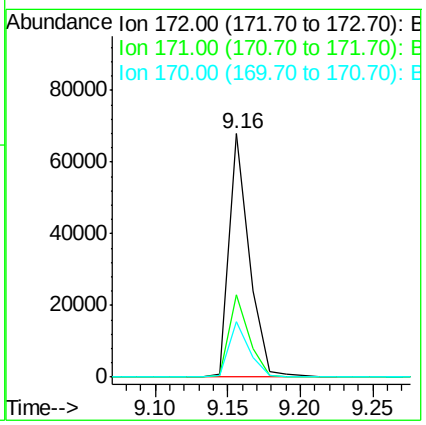
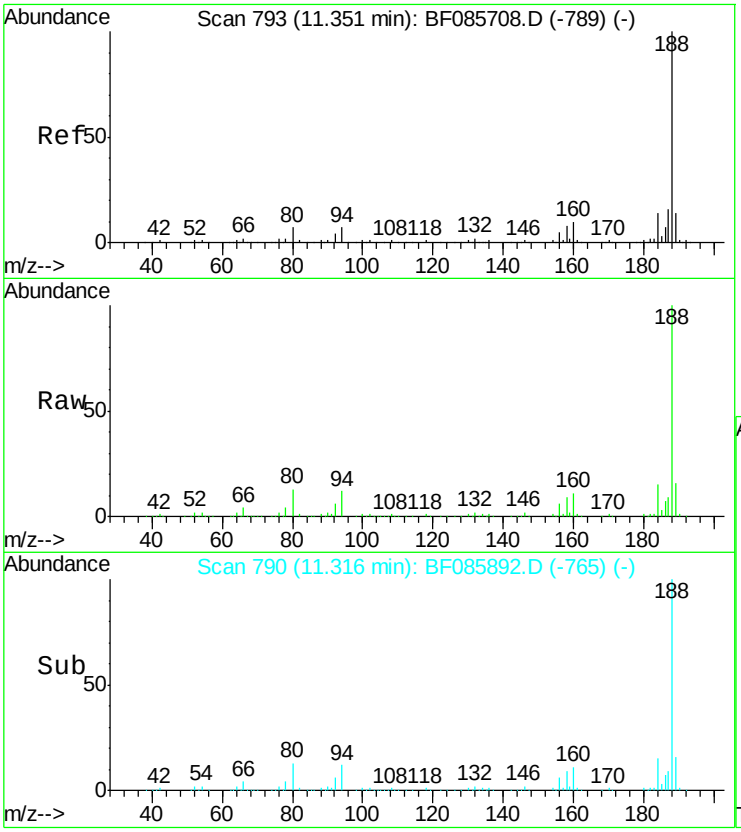


#44
2-Fluorobiphenyl
Concen: 6.70 ng
RT: 9.16 min Scan# 601
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:172 Resp: 65705

Ion	Ratio	Lower	Upper
172	100		
171	33.6	29.4	44.2
170	23.0	19.8	29.6

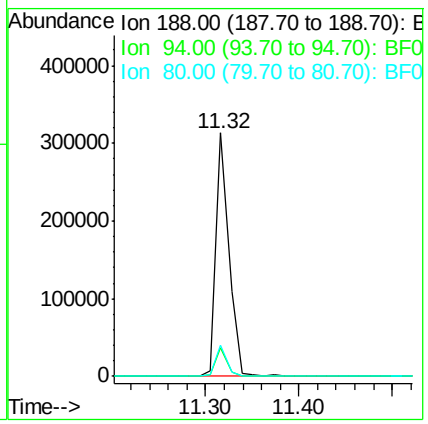




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:188 Resp: 300859

Ion	Ratio	Lower	Upper
188	100		
94	11.9	5.4	8.0#
80	12.7	5.5	8.3#



Instrument :
BNA_F
ClientSampleId :
B-1

Manual Integrations APPROVED
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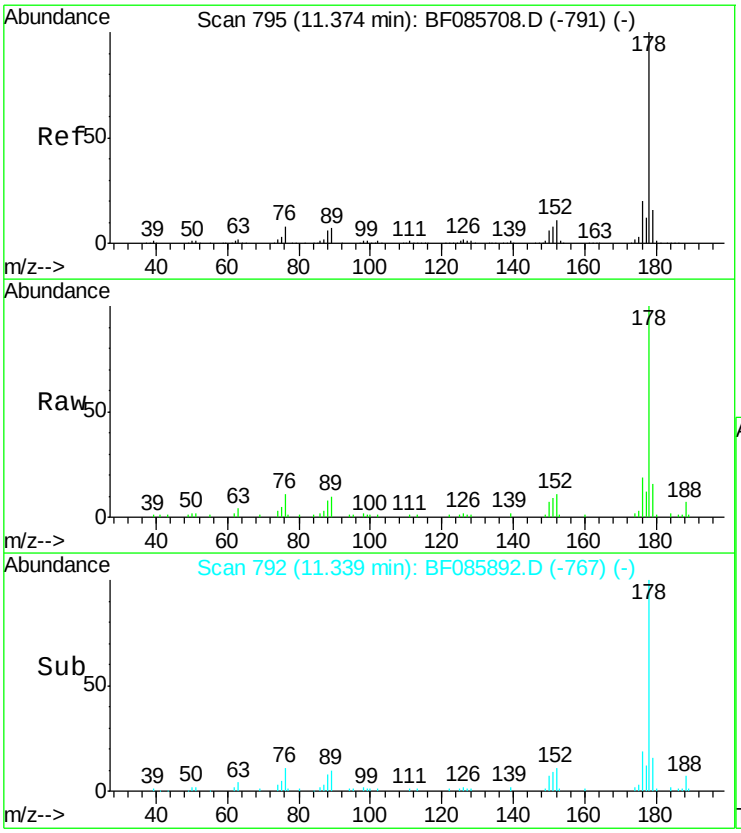
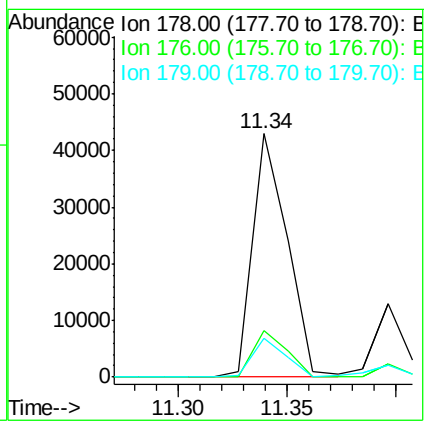
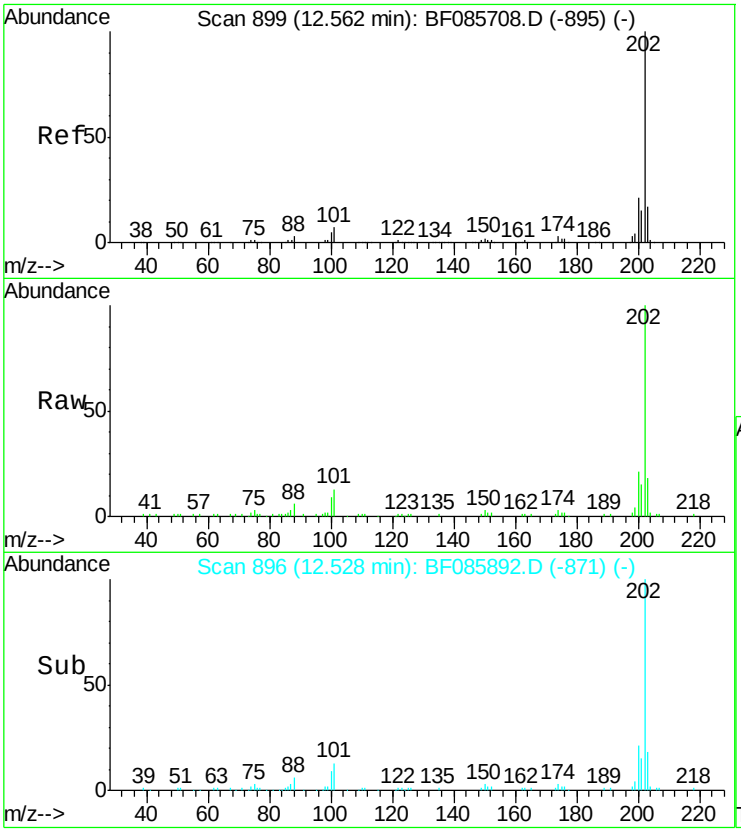


#70
Phenanthrene
Concen: 3.08 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:178 Resp: 47523

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	15.7	12.6	18.8





#74
Fluoranthene
Concen: 3.82 ng
RT: 12.53 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:202 Resp: 62713

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	36.6
203	17.6	0.0	38.1

Instrument :
BNA_F
ClientSampleId :
B-1

Manual Integrations APPROVED
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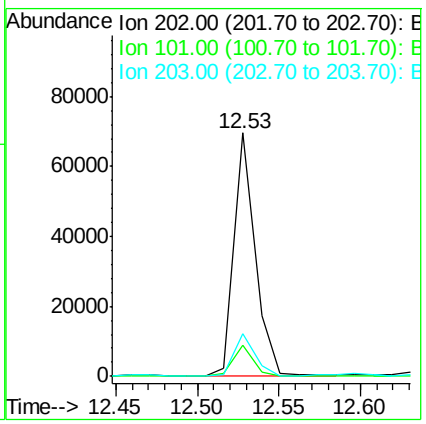
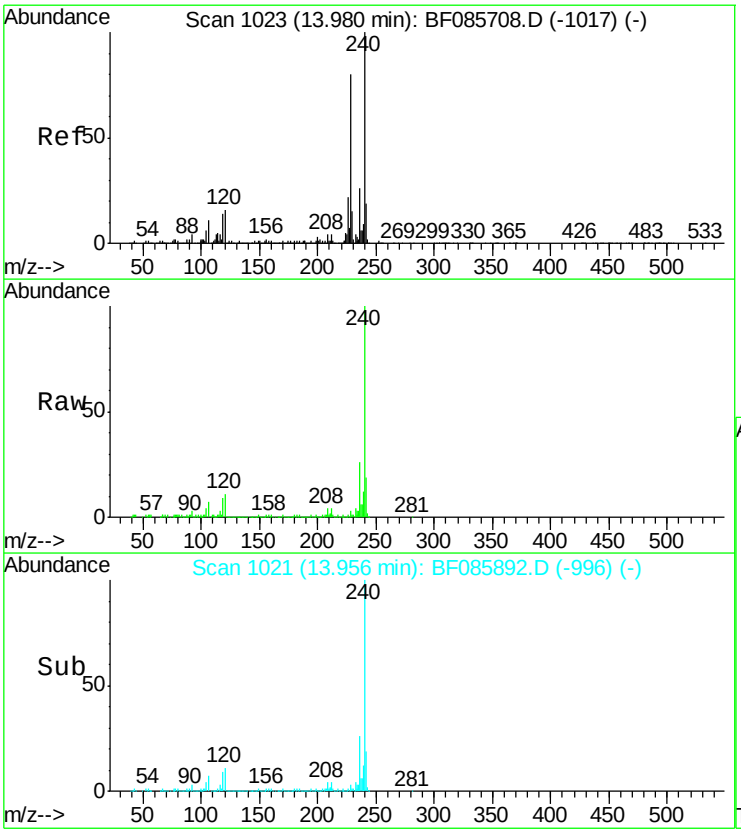
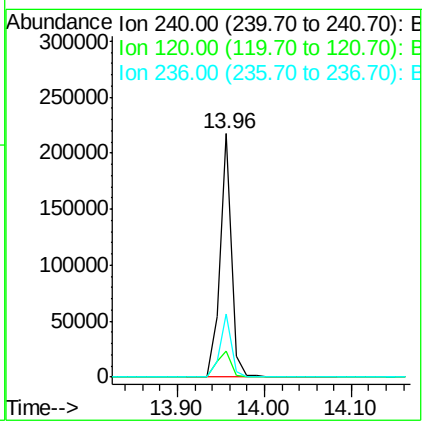


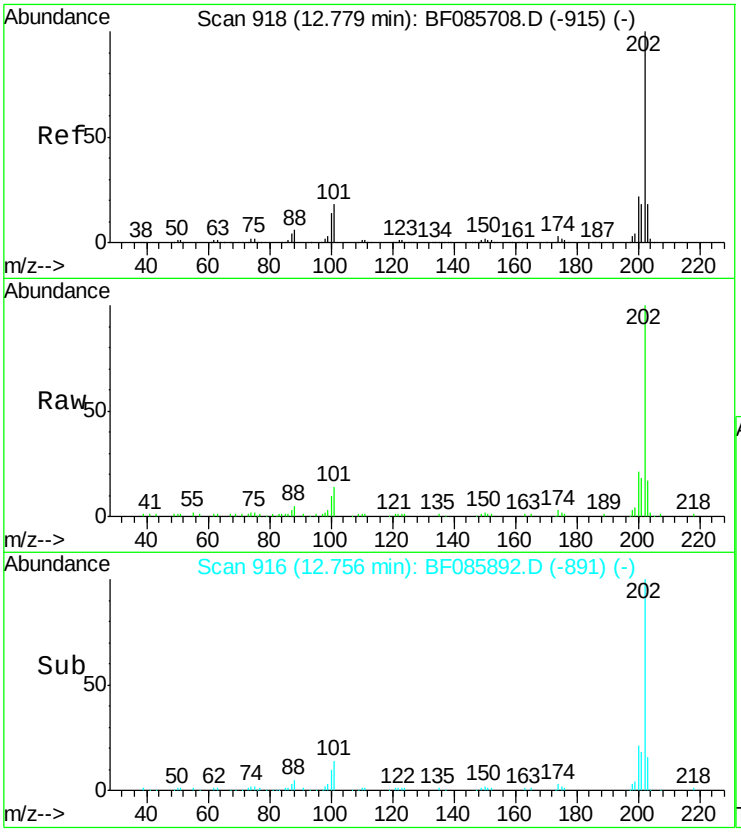


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:240 Resp: 203502

Ion	Ratio	Lower	Upper
240	100		
120	10.5	13.8	20.8#
236	26.2	20.6	30.8

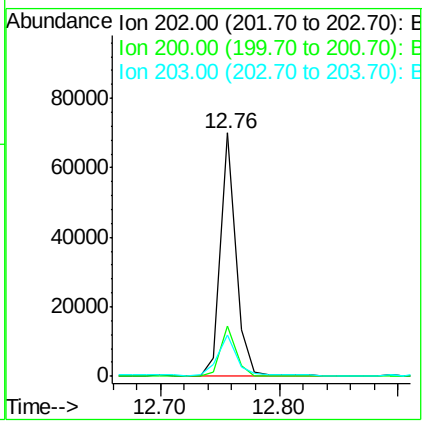




#77
Pyrene
Concen: 3.76 ng
RT: 12.76 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:202 Resp: 62852

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	17.0	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
B-1

Manual Integrations APPROVED
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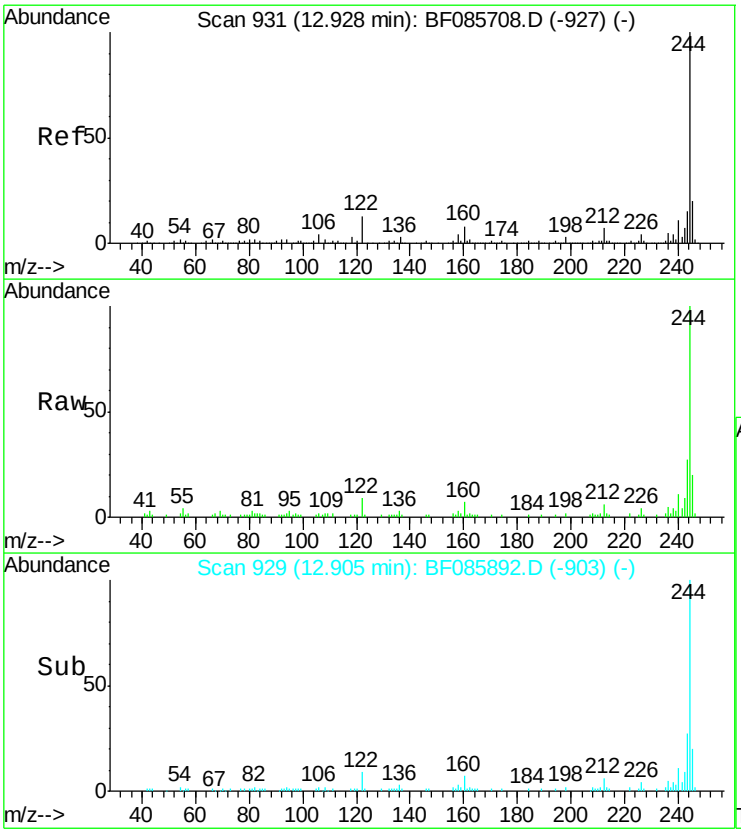
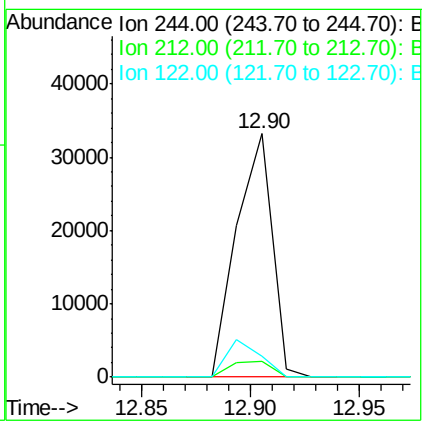
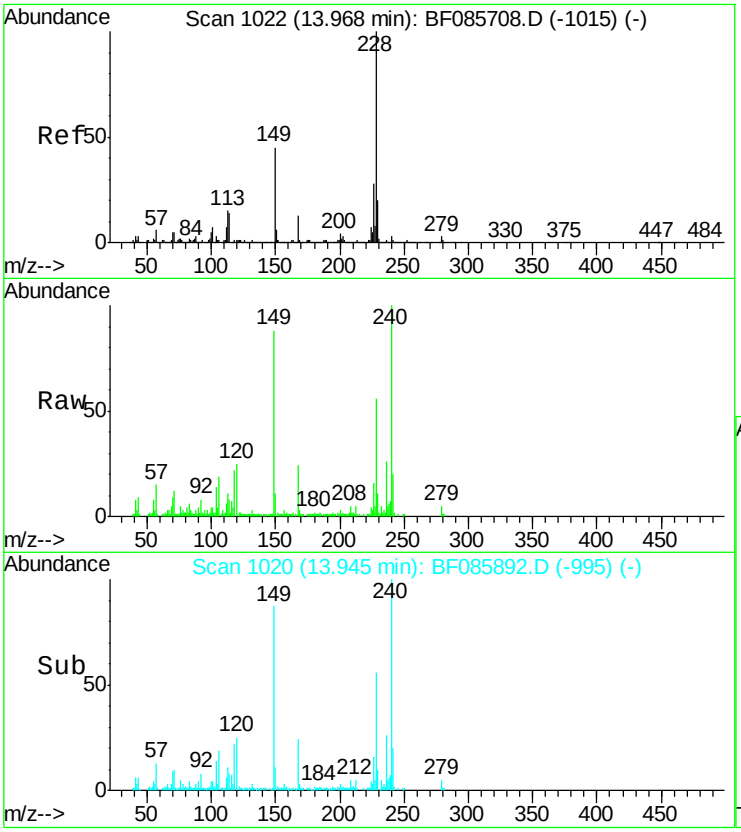


#78
Terphenyl-d14
Concen: 3.81 ng
RT: 12.90 min Scan# 929
Delta R.T. -0.00 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:244 Resp: 37726

Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.1	9.1
122	8.6	10.2	15.4#

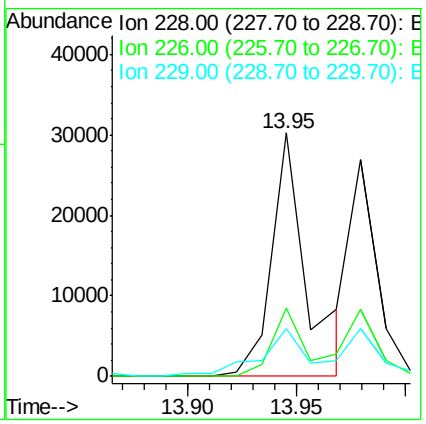




#80
Benzo(a)anthracene
Concen: 2.95 ng
RT: 13.95 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:228 Resp: 34210

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.1	33.1
229	19.6	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
B-1

Manual Integrations APPROVED
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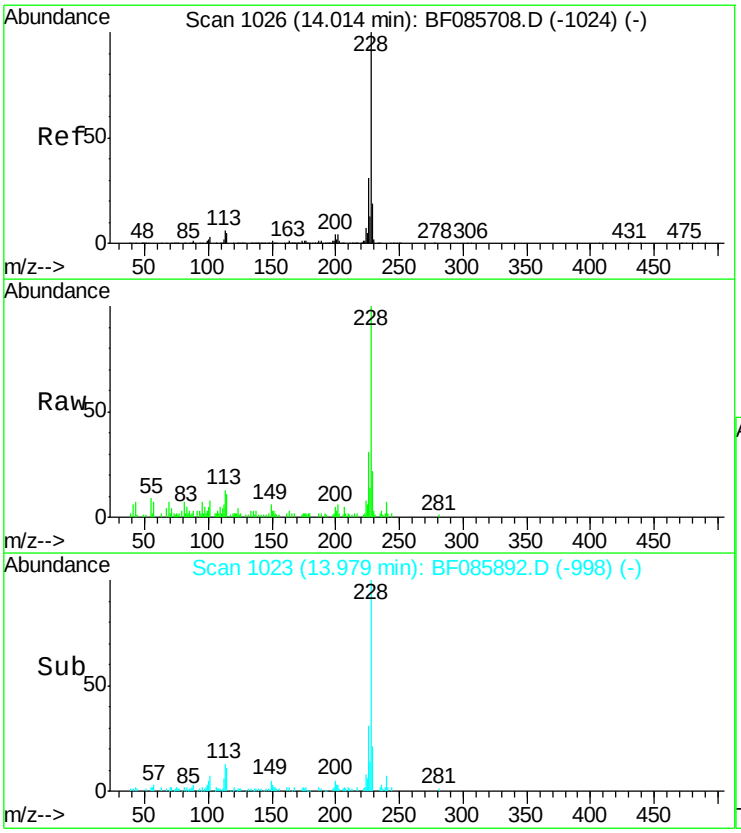
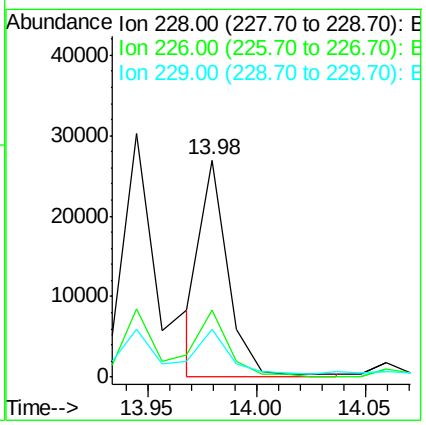
3/31/2016 4:51:52 PM

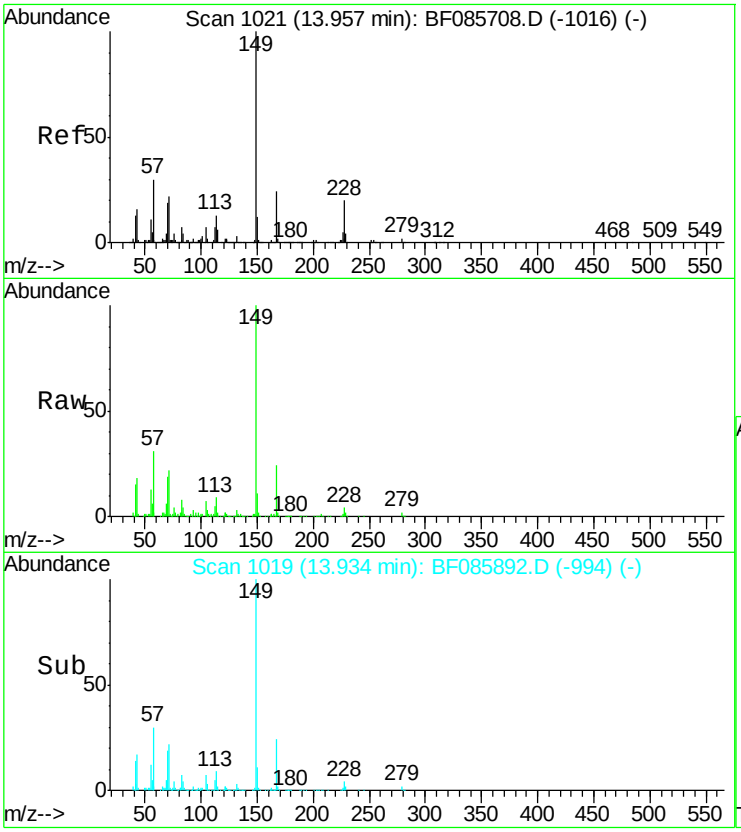


#82
Chrysene
Concen: 2.04 ng
RT: 13.98 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:228 Resp: 23853

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.2	15.7	23.5





#83
Bis(2-ethylhexyl)phthalate
Concen: 14.58 ng
RT: 13.93 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Instrument :
BNA_F
ClientSampleId :
B-1

Manual Integrations APPROVED
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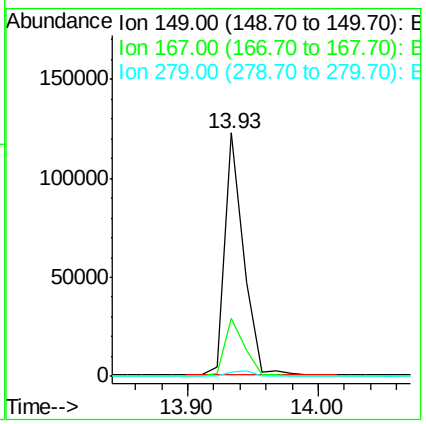
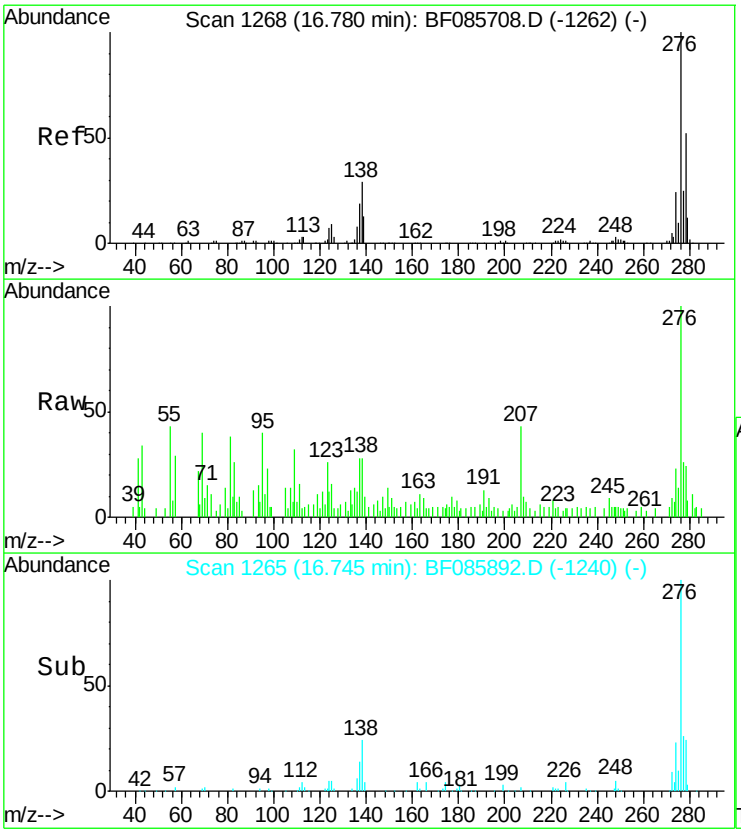
Tgt Ion:149 Resp: 122276

Ion	Ratio	Lower	Upper
149	100		
167	23.9	19.4	29.2
279	1.9	1.5	2.3

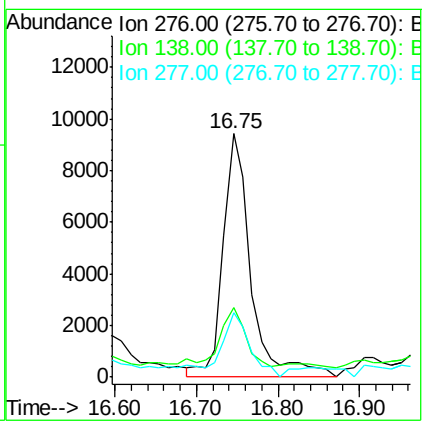


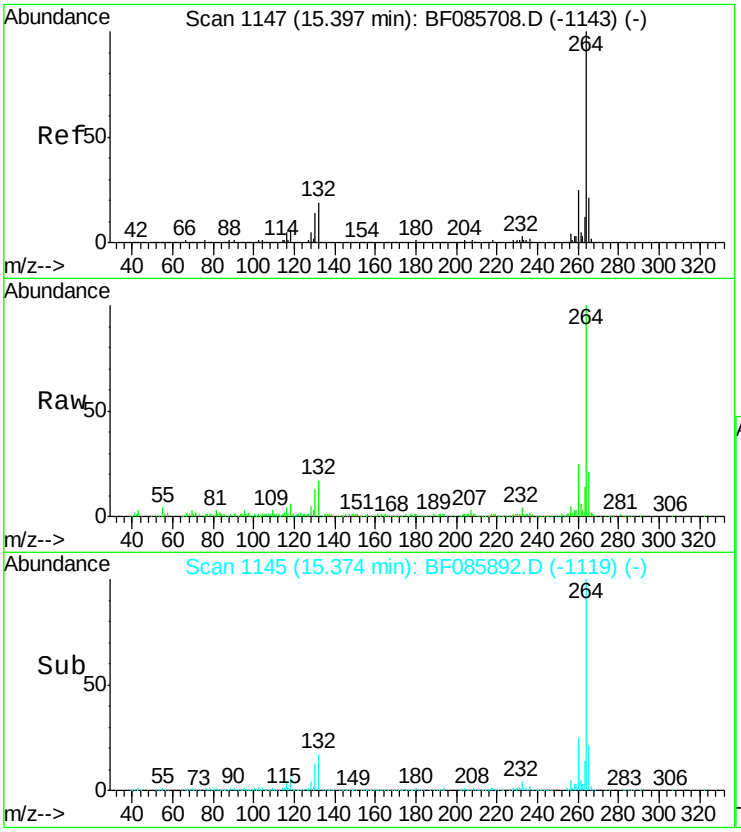


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.46 ng
RT: 16.75 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:276 Resp: 22233

Ion	Ratio	Lower	Upper
276	100		
138	24.1	24.2	36.4#
277	25.4	20.0	30.0

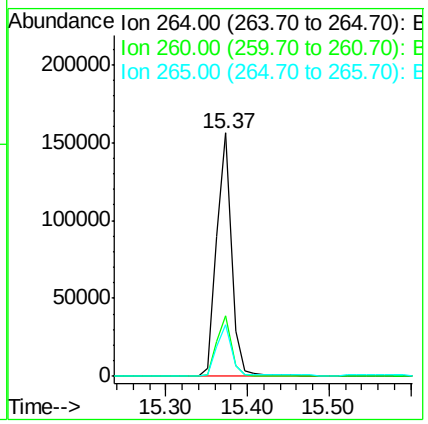




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

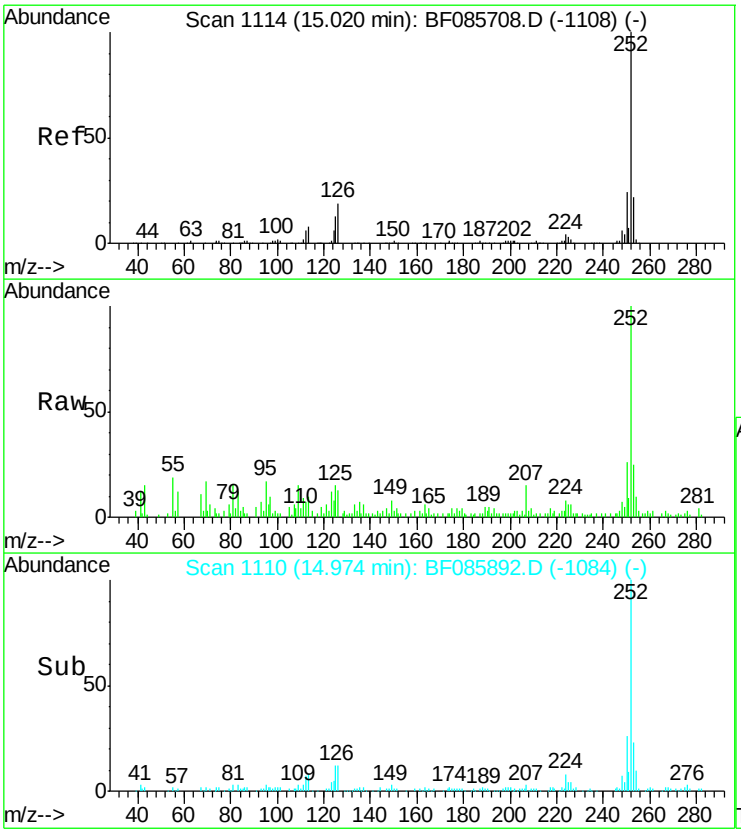
Tgt Ion:264 Resp: 199405

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.4	29.2
265	21.4	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
B-1

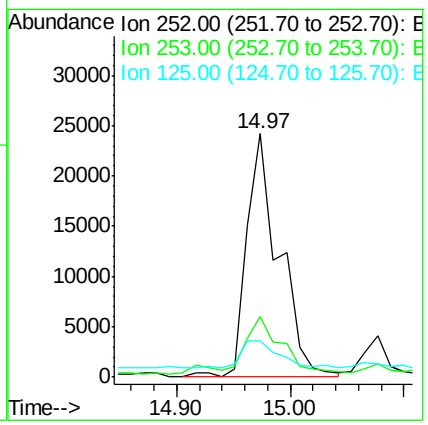
Manual Integrations APPROVED
Sohil
3/31/2016 4:51:52 PM

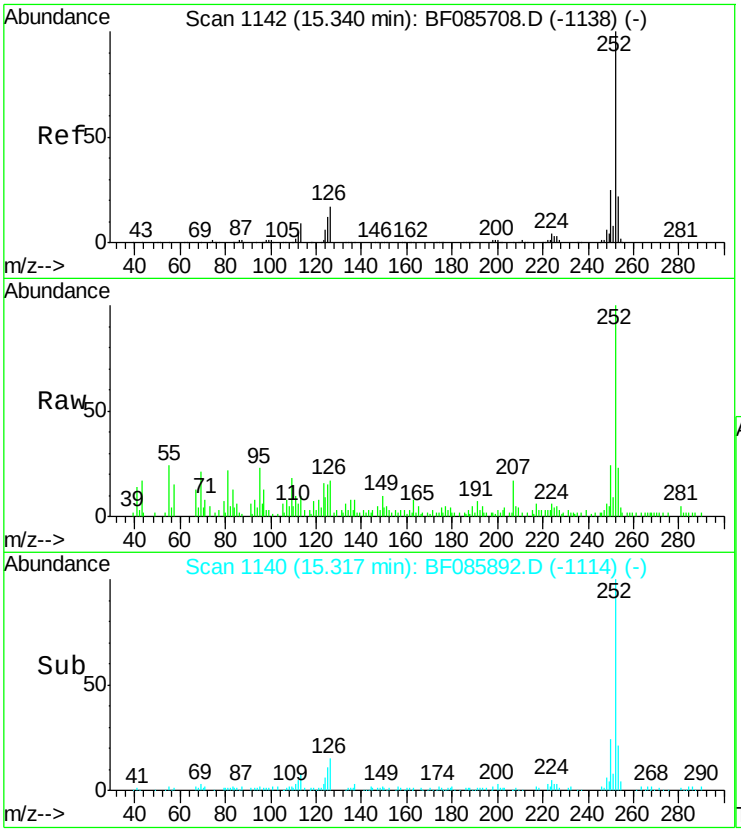


#87
Benzo(b)fluoranthene
Concen: 3.80 ng m
RT: 14.97 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:252 Resp: 47695

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4
125	15.1	10.3	15.5





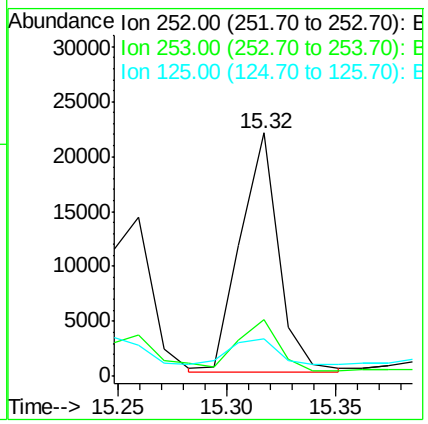
#89
Benzo(a)pyrene
Concen: 2.39 ng
RT: 15.32 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

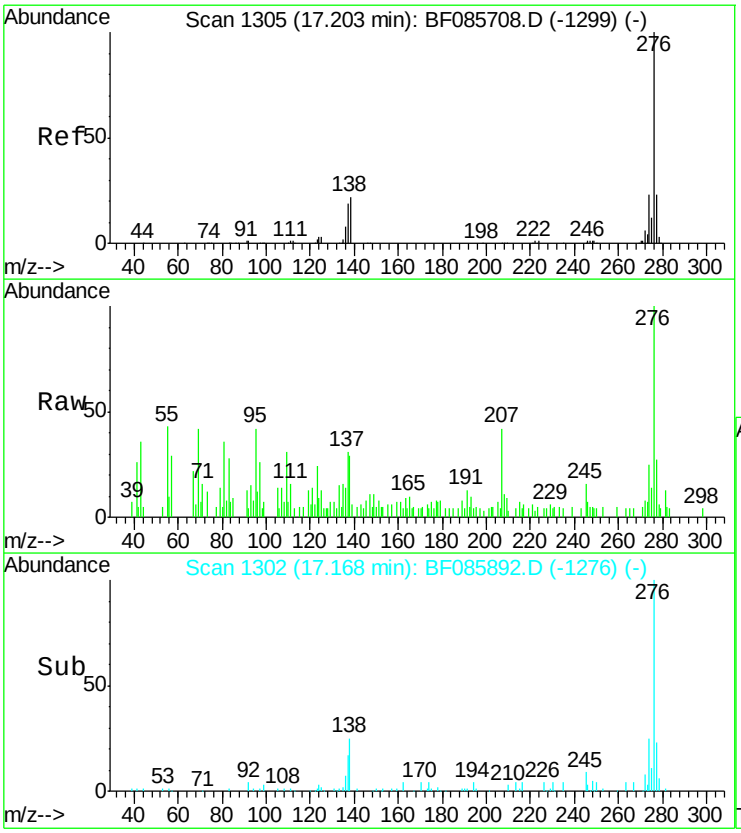
Tgt Ion:252 Resp: 26684

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	15.2	10.3	15.5

Instrument :
BNA_F
ClientSampleId :
B-1

Manual Integrations APPROVED
Sohil
3/31/2016 4:51:52 PM





#91
Benzo(g,h,i)perylene
Concen: 2.04 ng
RT: 17.17 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:276 Resp: 21410

Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.8	28.2
138	28.9	22.6	34.0