Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085701.D
Acq On : 23 Mar 2016 12:15
Operator : UM/SJ
Sample : H1857-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-08(4-6)

Manual Integrations APPROVED
UMANGI
3/24/2016 11:49:20 AM

Quant Time: Mar 23 15:03:05 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	125488	20.00	ng		-0.02
21) Naphthalene-d8	8.12	136	440328	20.00	ng		-0.02
38) Acenaphthene-d10	9.88	164	196244	20.00	ng		-0.02
63) Phenanthrene-d10	11.35	188	290531	20.00	ng		-0.03
75) Chrysene-d12	13.99	240	229343	20.00	ng		-0.02
86) Perylene-d12	15.42	264	177387	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	816940	109.35	ng		-0.02
7) Phenol-d6	6.47	99	1009748	105.38	ng		-0.02
23) Nitrobenzene-d5	7.40	82	623503	82.19	ng		-0.03
41) 2,4,6-Tribromophenol	10.66	330	199301	103.68	ng		-0.02
44) 2-Fluorobiphenyl	9.20	172	840046	69.81	ng		-0.02
78) Terphenyl-d14	12.94	244	511868	53.71	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.14	128	101482	4.57	ng	#	89
37) 2-Methylnaphthalene	8.84	142	58168	4.29	ng	#	96
49) Dimethylphthalate	9.59	163	216204	14.60	ng	#	98
70) Phenanthrene	11.37	178	187695	12.25	ng		99
71) Anthracene	11.43	178	55156	3.43	ng		98
74) Fluoranthene	12.57	202	254649	15.88	ng		96
77) Pyrene	12.79	202	235523	14.30	ng		99
80) Benzo(a)anthracene	13.98	228	118629m	8.91	ng		
82) Chrysene	14.01	228	121298m	9.47	ng		
83) Bis(2-ethylhexyl)phthalate	13.97	149	42381	4.35	ng	#	95
85) Indeno(1,2,3-cd)pyrene	16.80	276	38169	3.57	ng		98
87) Benzo(b)fluoranthene	15.01	252	118399m	10.23	ng		
88) Benzo(k)fluoranthene	15.03	252	43218m	4.53	ng		
89) Benzo(a)pyrene	15.35	252	76011	7.75	ng	#	84
91) Benzo(g,h,i)perylene	17.23	276	37534	4.74	ng		92

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085701.D
Acq On : 23 Mar 2016 12:15
Operator : UM/SJ
Sample : H1857-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 23 15:03:05 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB-08(4-6)

Manual Integrations APPROVED
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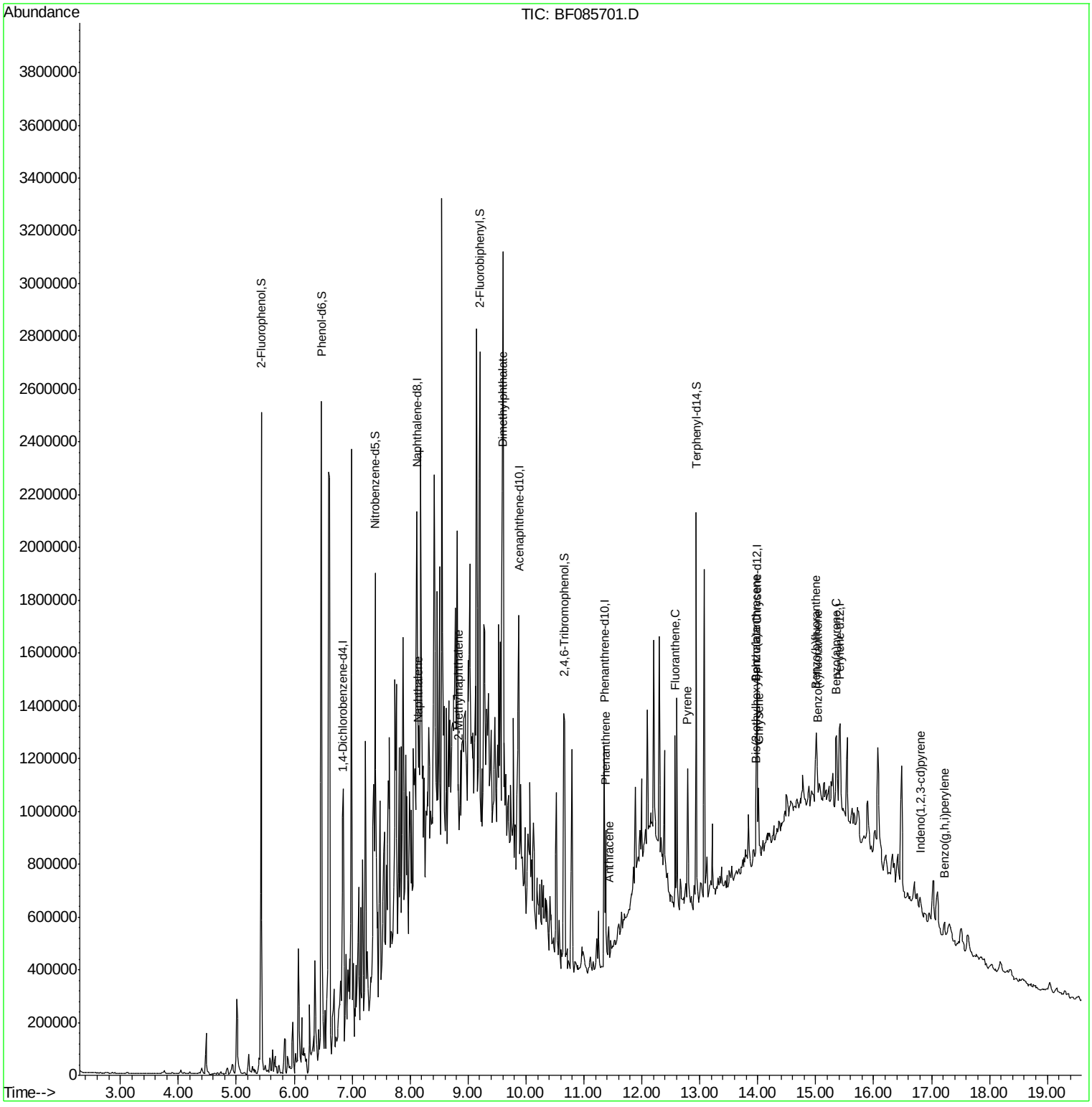
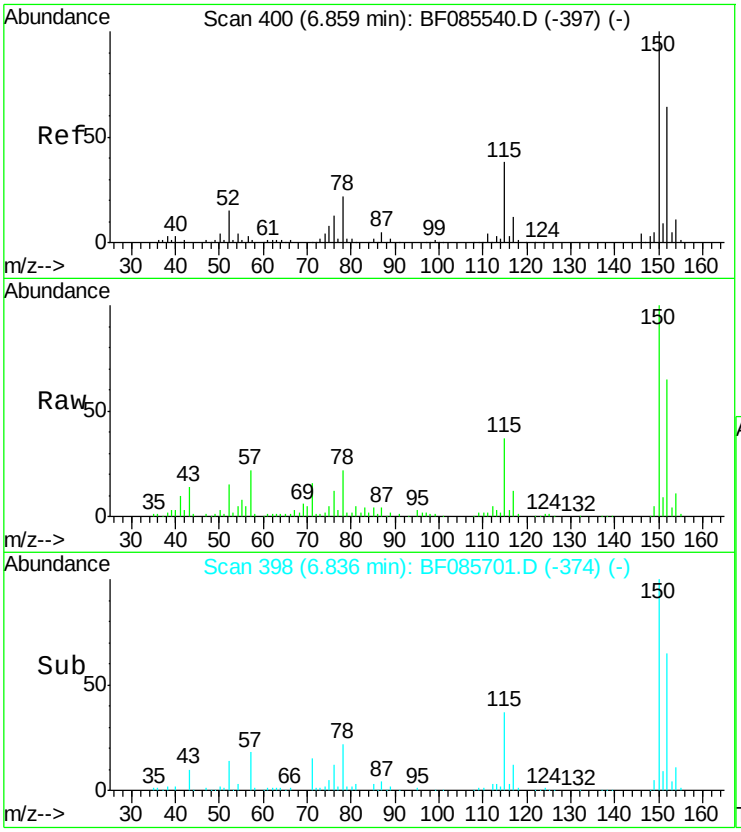
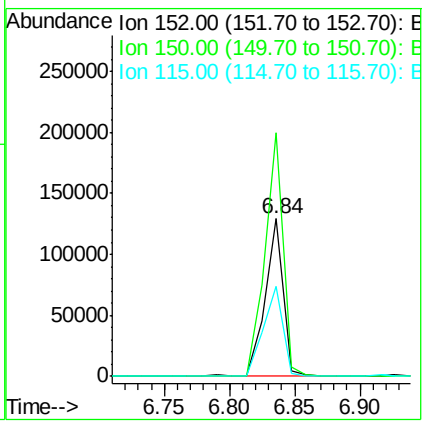




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:152 Resp: 125488

Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.2	186.2
115	57.5	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
SB-08(4-6)

Manual Integrations APPROVED
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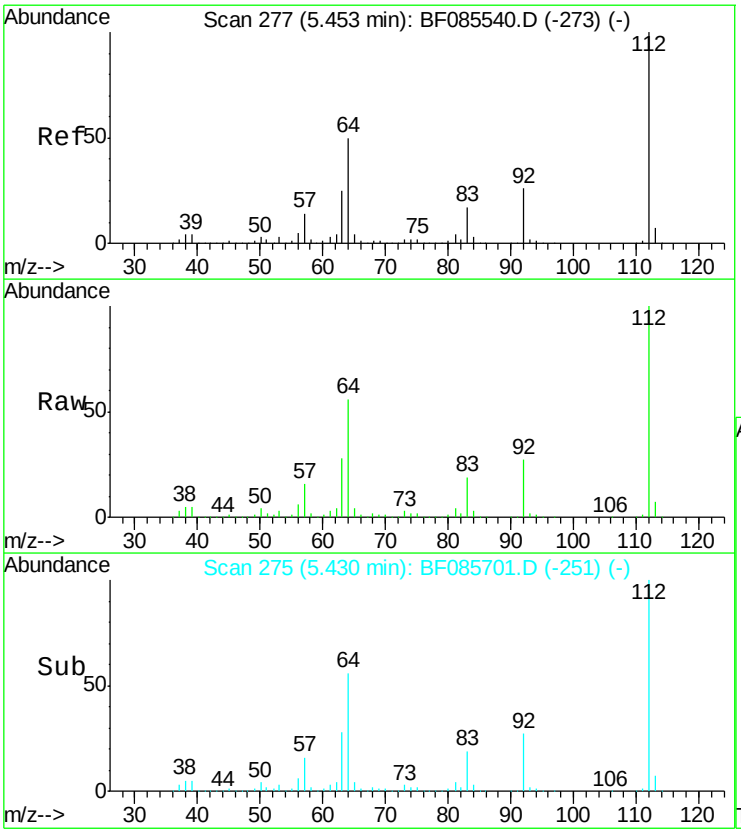
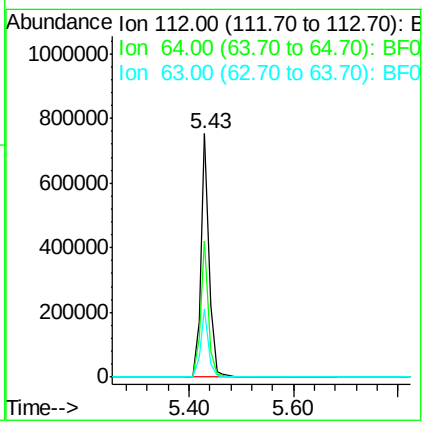
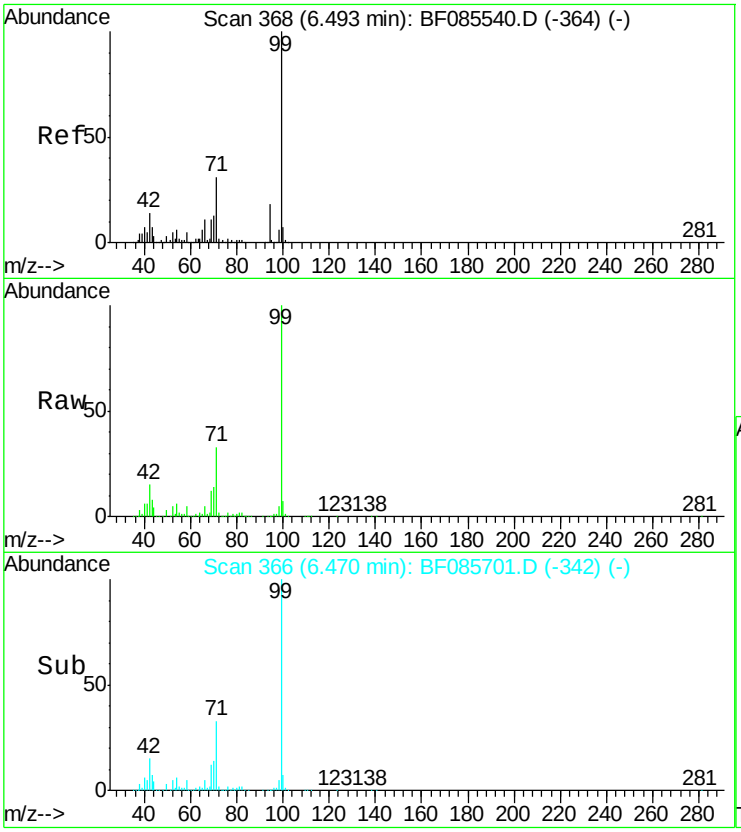


#5
2-Fluorophenol
Concen: 109.35 ng
RT: 5.43 min Scan# 275
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:112 Resp: 816940

Ion	Ratio	Lower	Upper
112	100		
64	55.8	39.9	59.9
63	28.2	20.2	30.2

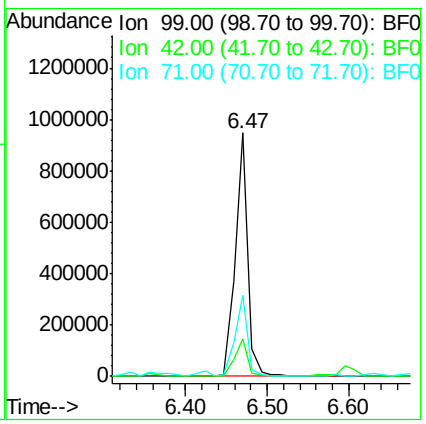




#7
Phenol-d6
Concen: 105.38 ng
RT: 6.47 min Scan# 366
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion: 99 Resp: 1009748

Ion	Ratio	Lower	Upper
99	100		
42	15.4	11.1	16.7
71	33.2	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
SB-08(4-6)

Manual Integrations APPROVED
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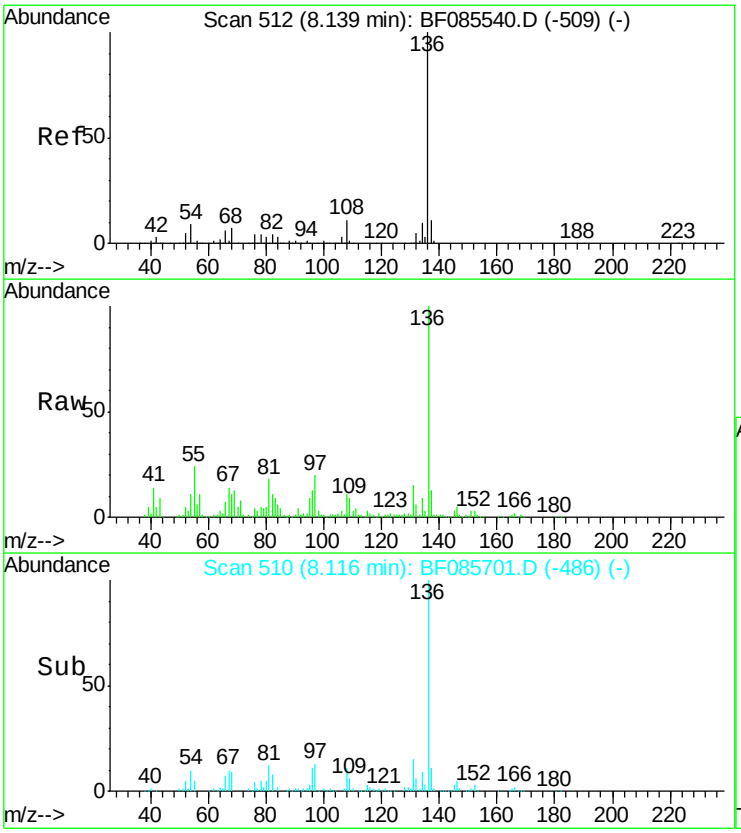
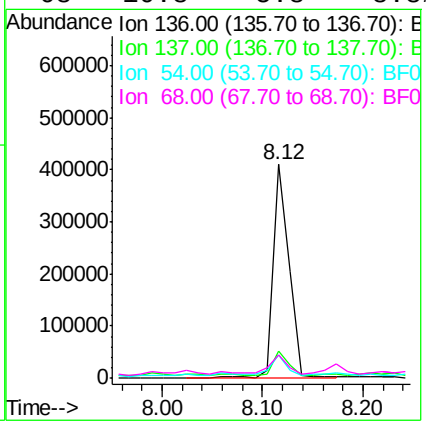
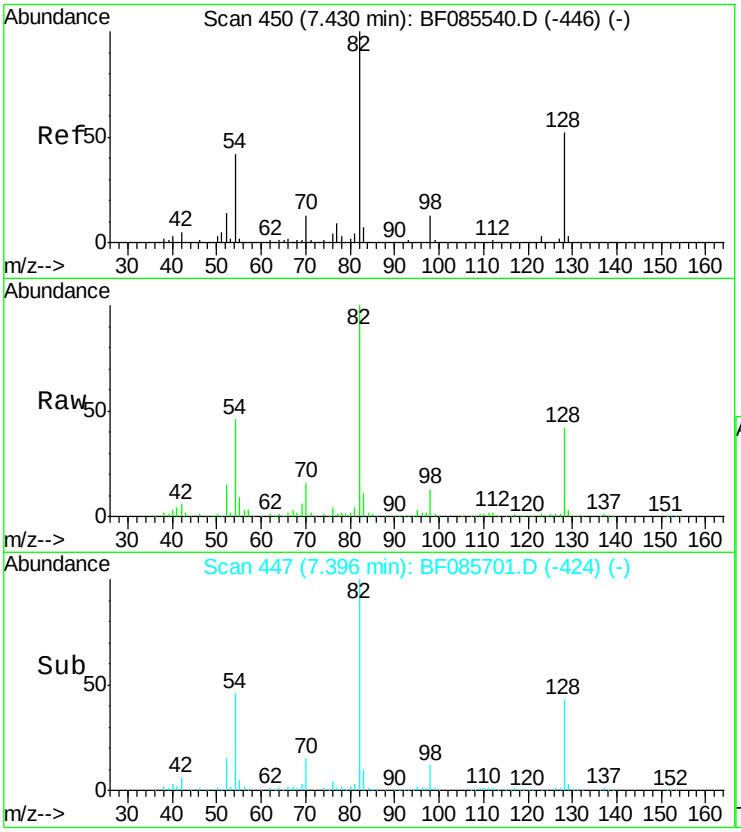


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 510
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:136 Resp: 440328

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.1	13.7
54	10.9	7.4	11.0
68	10.8	5.8	8.8#

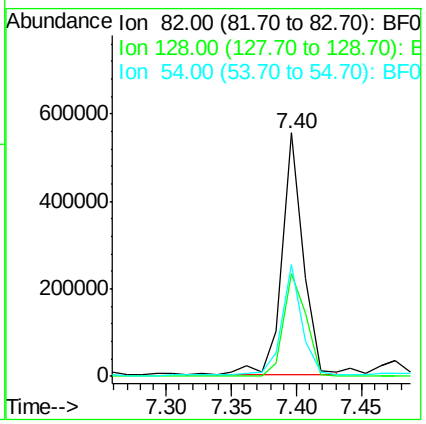




#23
Nitrobenzene-d5
Concen: 82.19 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.03 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion: 82 Resp: 623503

Ion	Ratio	Lower	Upper
82	100		
128	42.3	41.8	62.8
54	45.7	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SB-08(4-6)

Manual Integrations APPROVED
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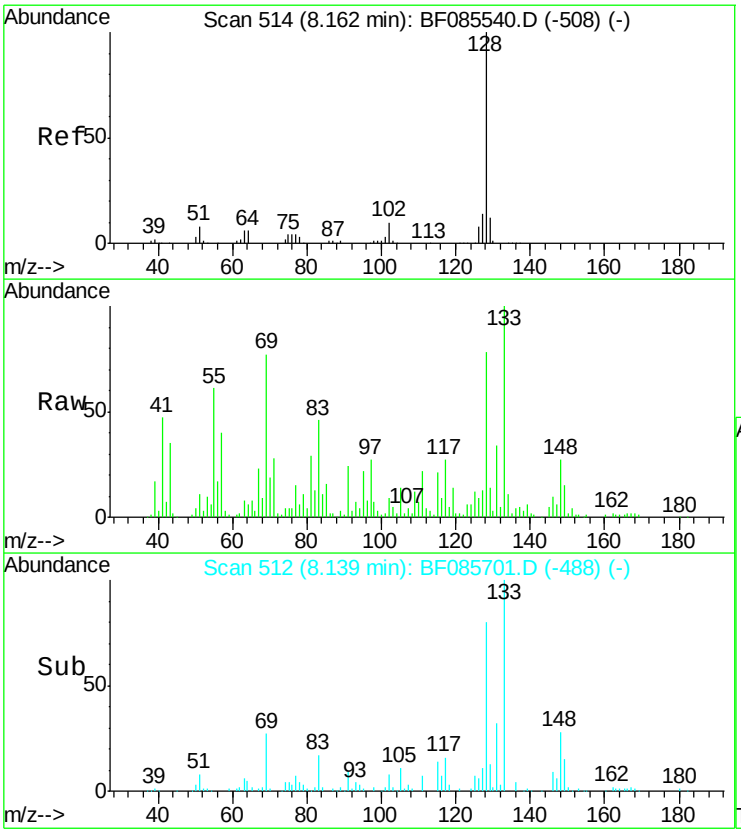
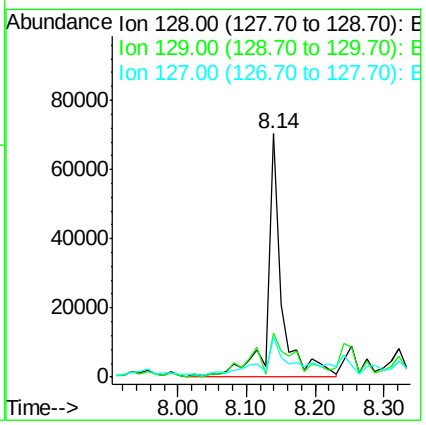
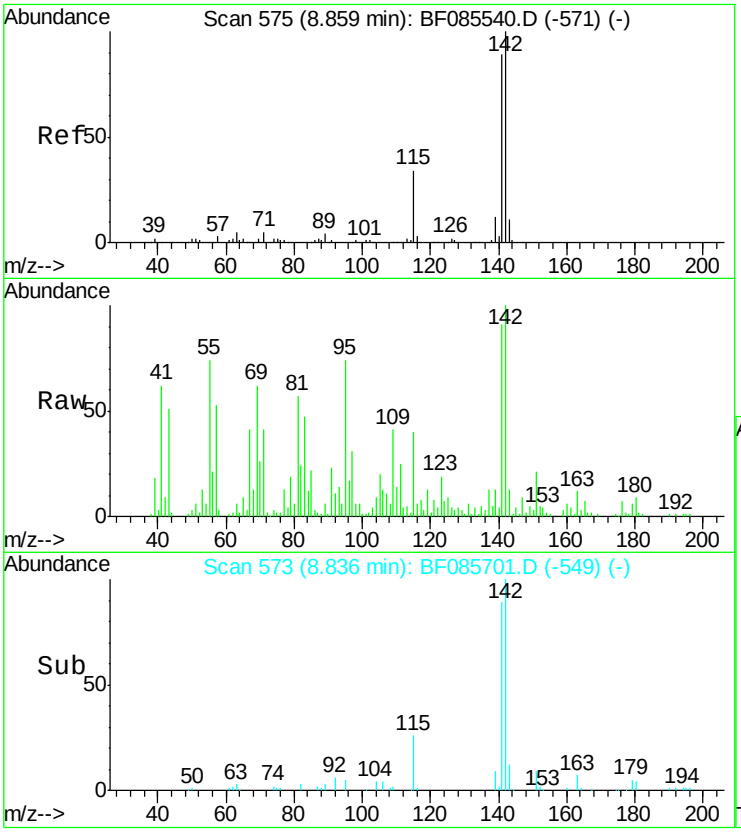


#31
Naphthalene
Concen: 4.57 ng
RT: 8.14 min Scan# 512
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:128 Resp: 101482

Ion	Ratio	Lower	Upper
128	100		
129	17.9	9.4	14.0#
127	16.4	11.0	16.6

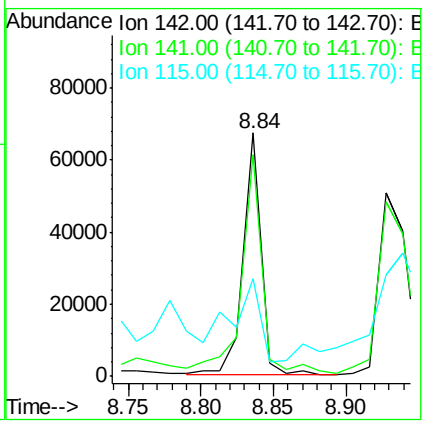




#37
2-Methylnaphthalene
Concen: 4.29 ng
RT: 8.84 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:142 Resp: 58168

Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.6	107.4
115	40.3	26.8	40.2#



Instrument :
BNA_F
ClientSampleId :
SB-08(4-6)

Manual Integrations APPROVED
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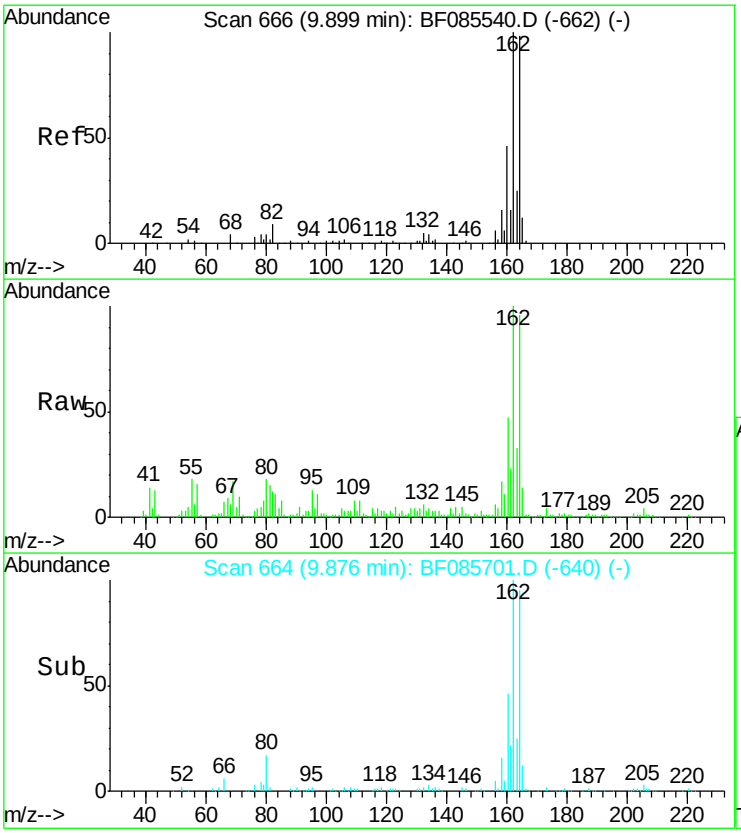
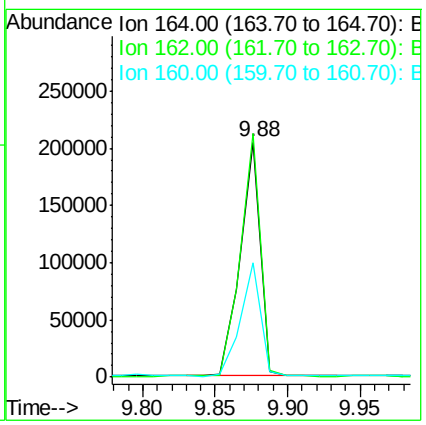
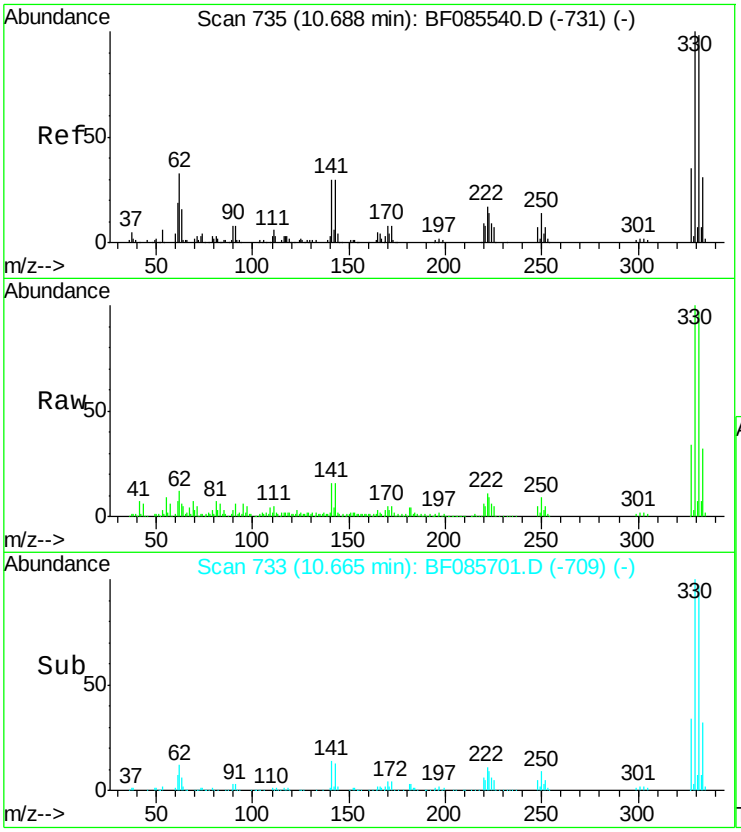


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 664
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:164 Resp: 196244

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.1	123.1
160	48.5	37.4	56.2

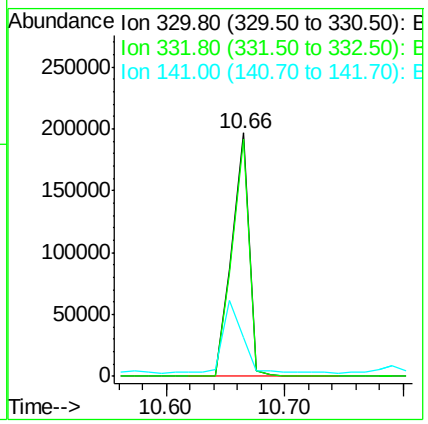




#41
2,4,6-Tribromophenol
Concen: 103.68 ng
RT: 10.66 min Scan# 733
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:330 Resp: 199301

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.2	117.2
141	34.3	31.5	47.3



Instrument :
BNA_F
ClientSampleId :
SB-08(4-6)

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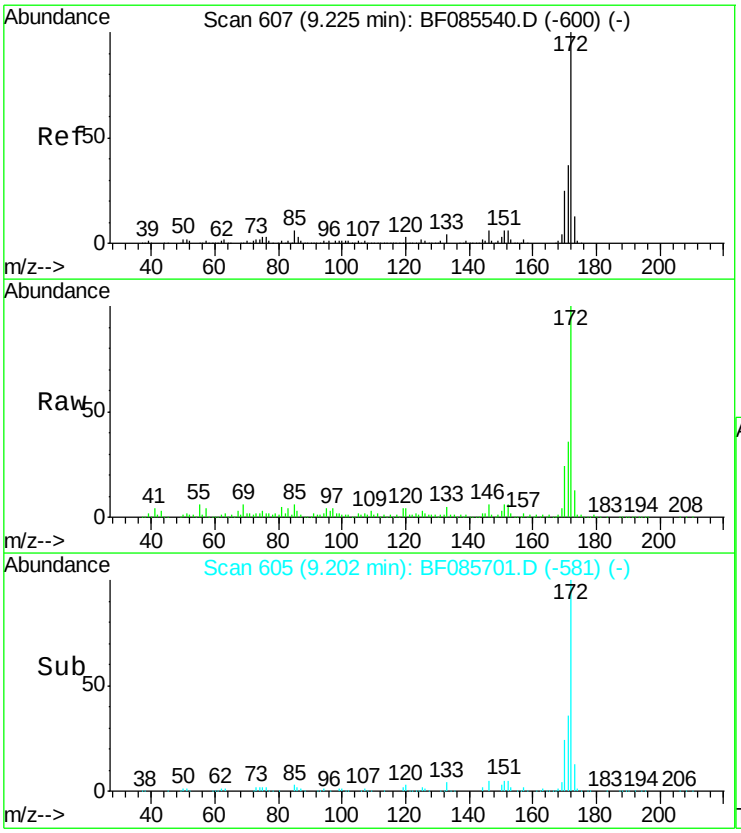
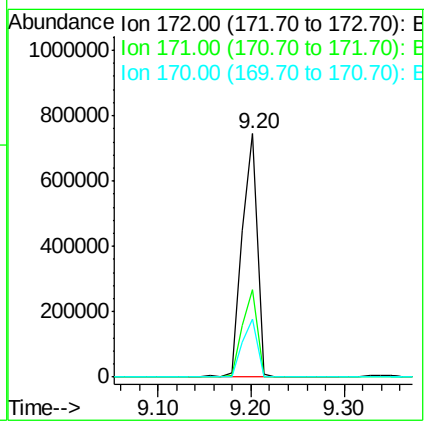
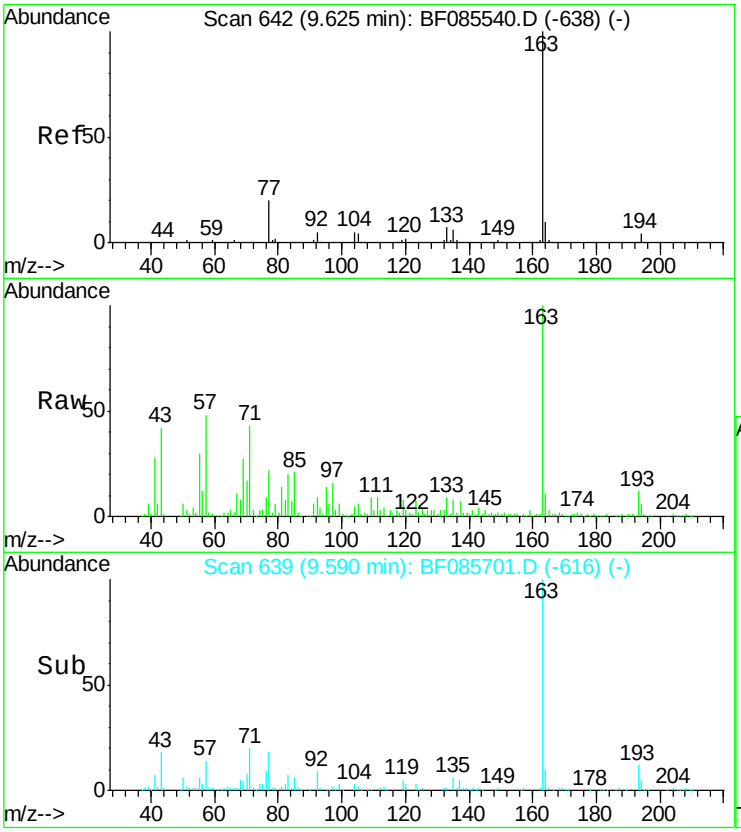


#44
2-Fluorobiphenyl
Concen: 69.81 ng
RT: 9.20 min Scan# 605
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:172 Resp: 840046

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.2
170	23.7	19.8	29.6

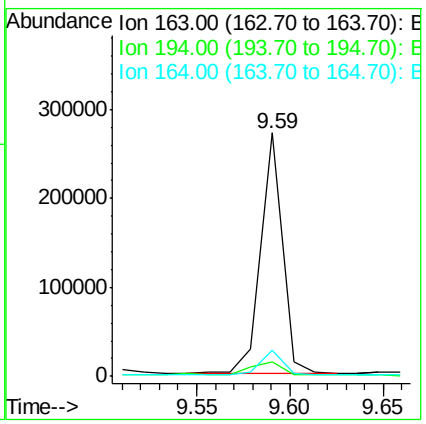




#49
Dimethylphthalate
Concen: 14.60 ng
RT: 9.59 min Scan# 639
Delta R.T. -0.03 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:163 Resp: 216204

Ion	Ratio	Lower	Upper
163	100		
194	5.8	2.9	4.3#
164	10.5	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SB-08(4-6)

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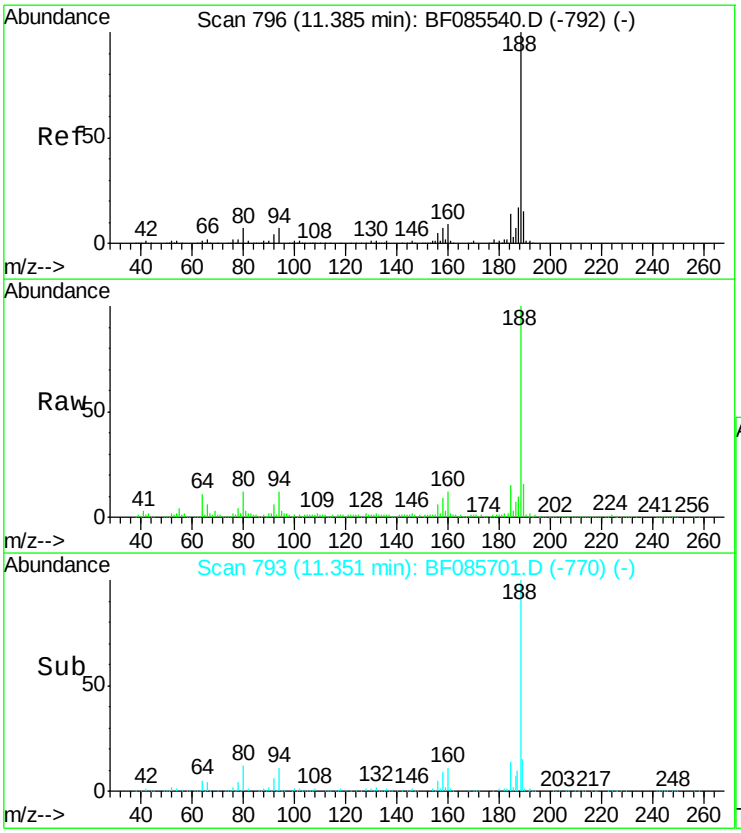
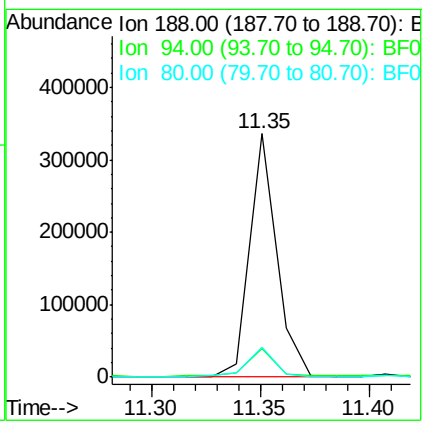
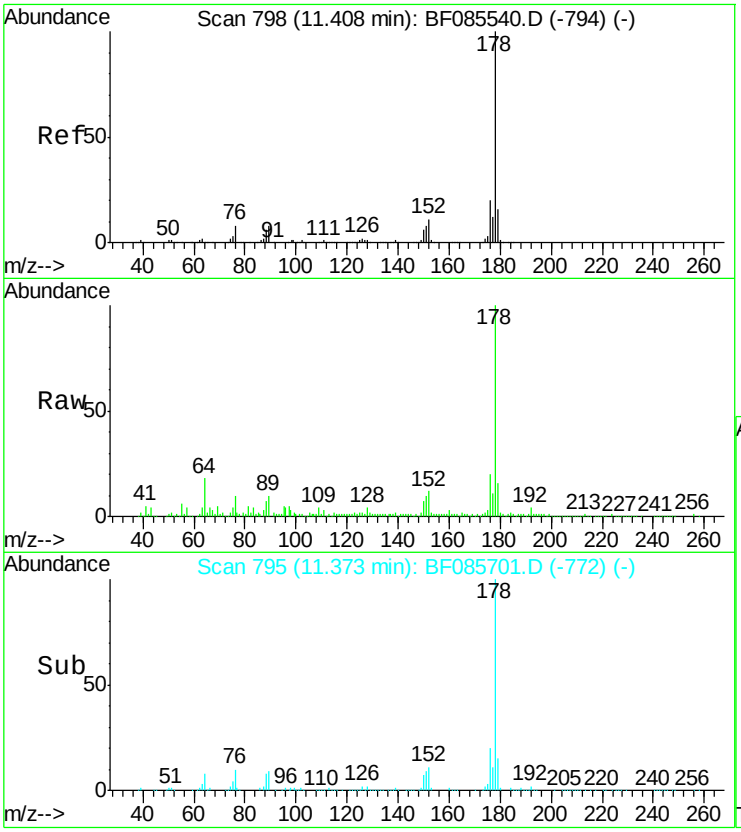


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.03 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:188 Resp: 290531

Ion	Ratio	Lower	Upper
188	100		
94	11.7	5.4	8.0#
80	12.5	5.5	8.3#

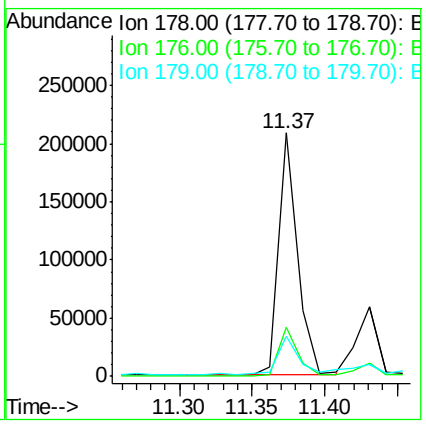




#70
Phenanthrene
Concen: 12.25 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:178 Resp: 187695

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



Instrument :
BNA_F
ClientSampleId :
SB-08(4-6)

Manual Integrations APPROVED
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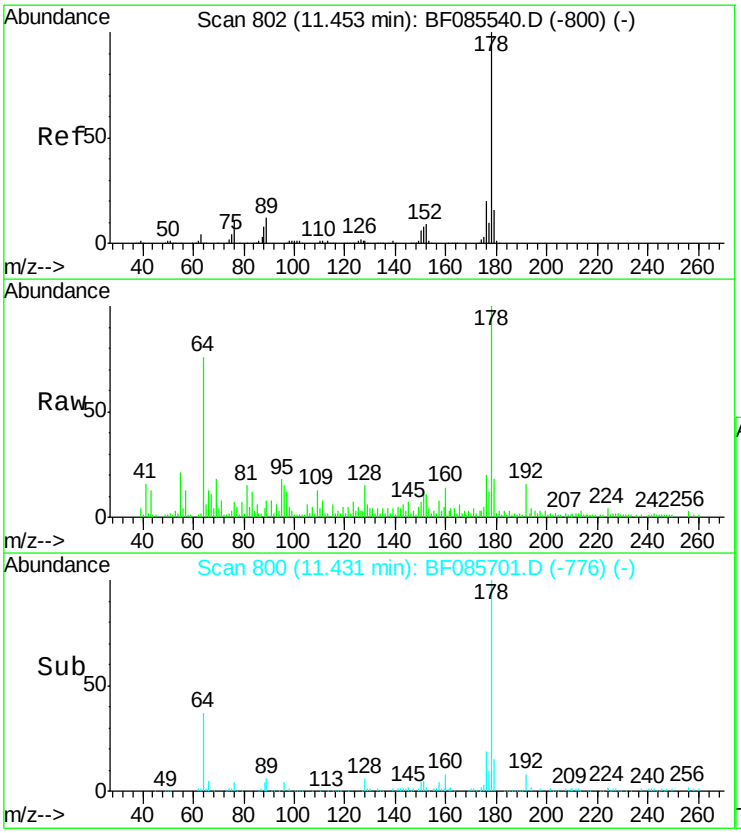
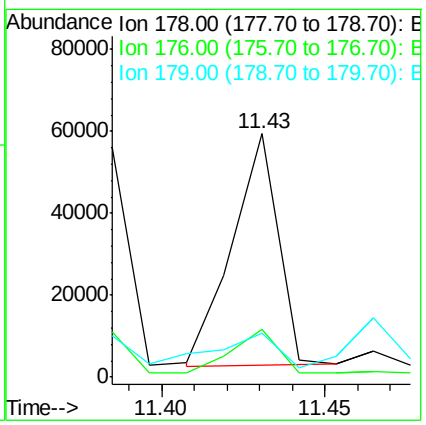
3/24/2016 11:49:20 AM

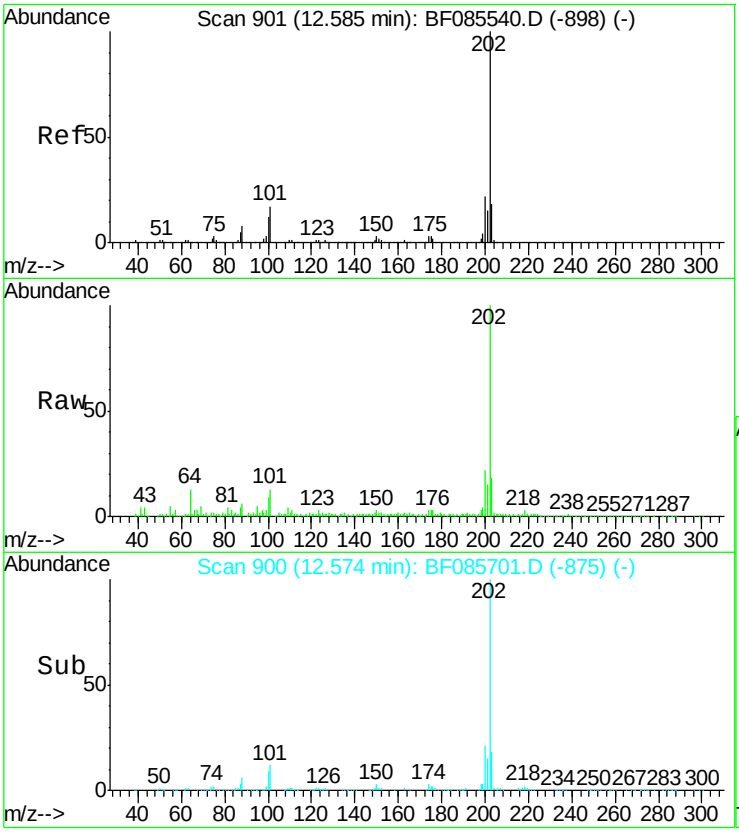


#71
Anthracene
Concen: 3.43 ng
RT: 11.43 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:178 Resp: 55156

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	18.0	13.0	19.4

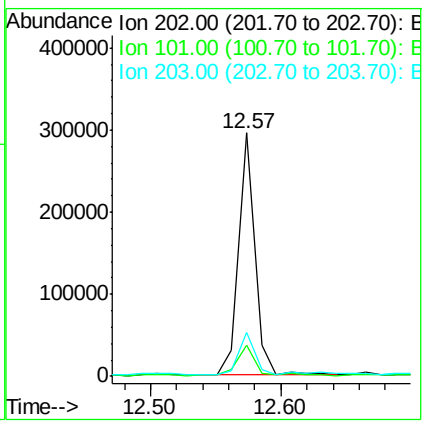




#74
Fluoranthene
Concen: 15.88 ng
RT: 12.57 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

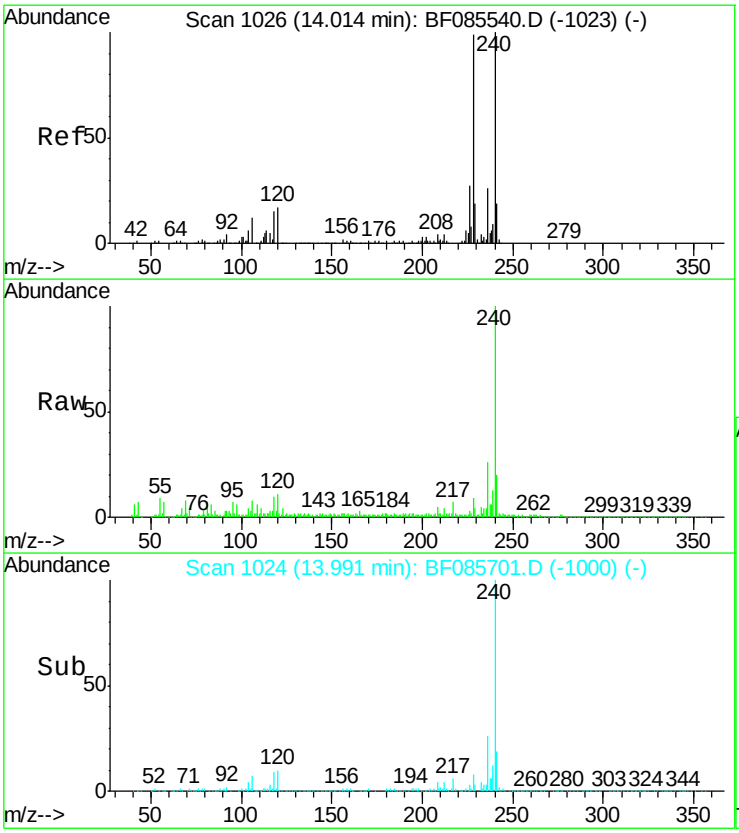
Tgt Ion:202 Resp: 254649

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	36.6
203	18.1	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
SB-08(4-6)

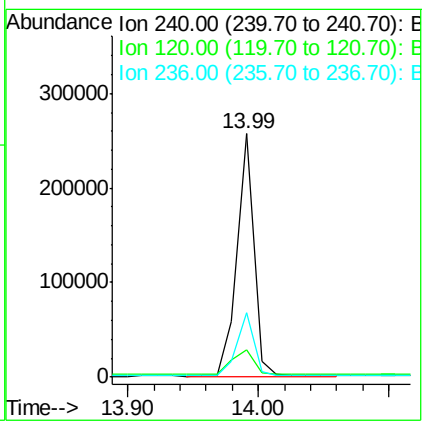
Manual Integrations APPROVED
UMANGI
3/24/2016 11:49:20 AM

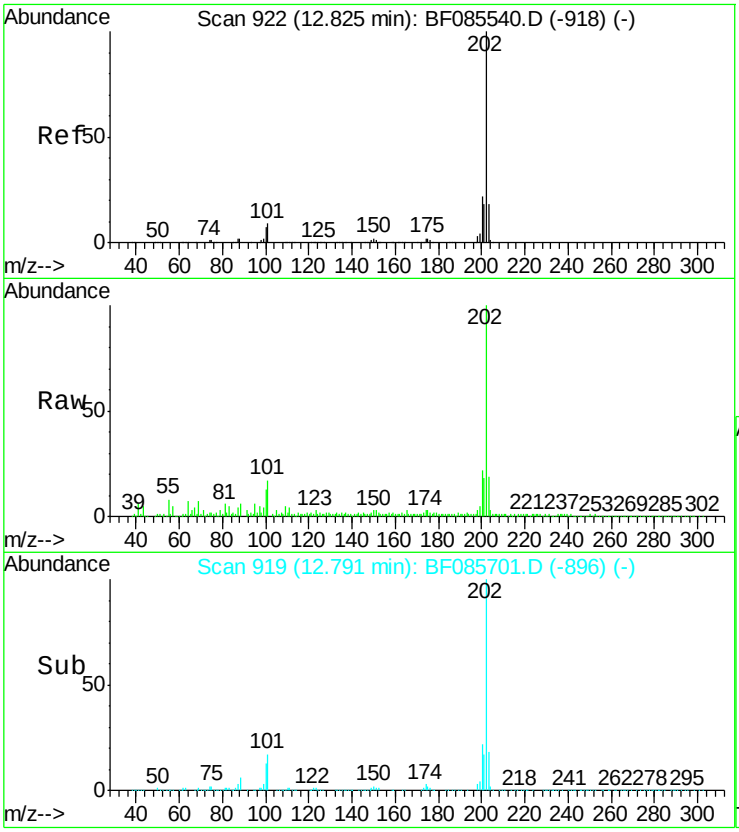


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:240 Resp: 229343

Ion	Ratio	Lower	Upper
240	100		
120	11.5	13.8	20.8#
236	26.5	20.6	30.8

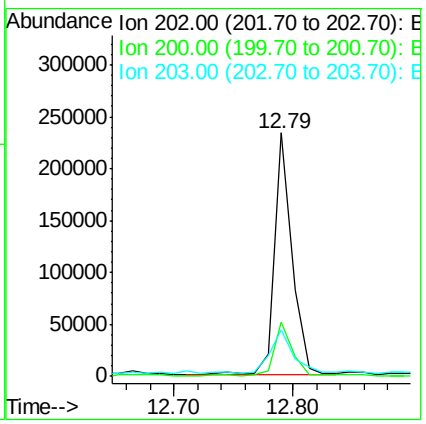




#77
Pyrene
Concen: 14.30 ng
RT: 12.79 min Scan# 919
Delta R.T. -0.03 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:202 Resp: 235523

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.6	26.4
203	18.9	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
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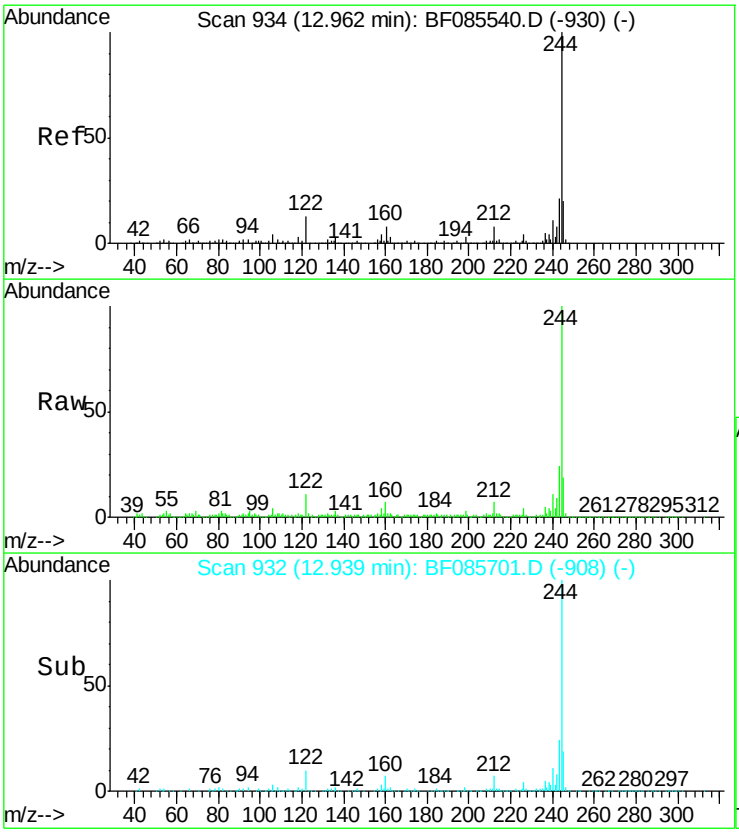
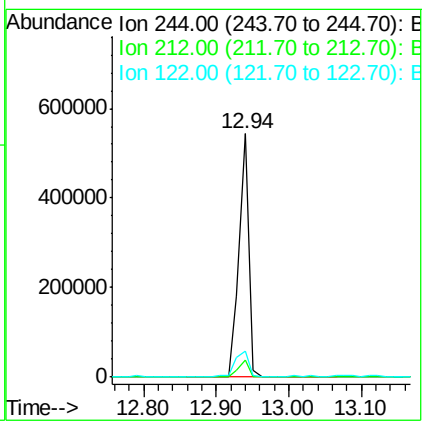
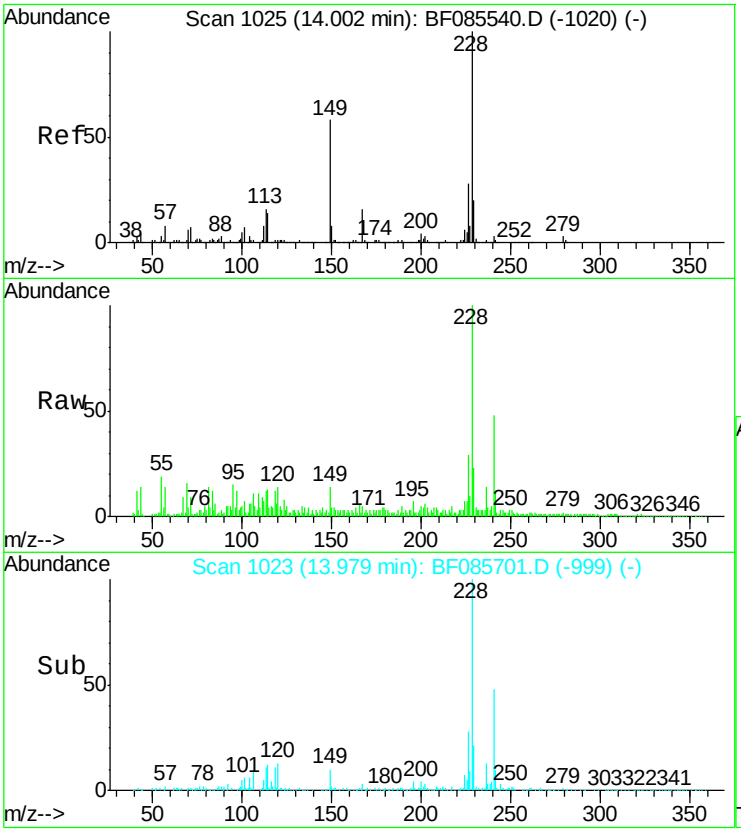


#78
Terphenyl-d14
Concen: 53.71 ng
RT: 12.94 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:244 Resp: 511868

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	10.5	10.2	15.4

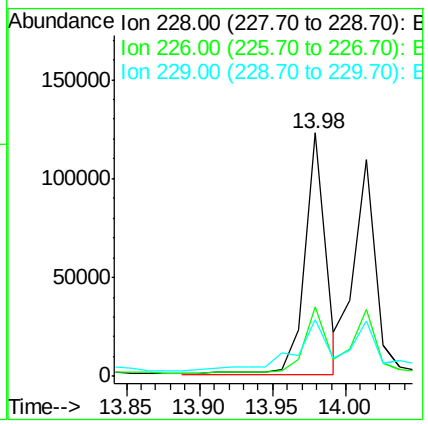




#80
Benzo(a)anthracene
Concen: 8.91 ng m
RT: 13.98 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:228 Resp: 118629

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.1	33.1
229	23.3	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
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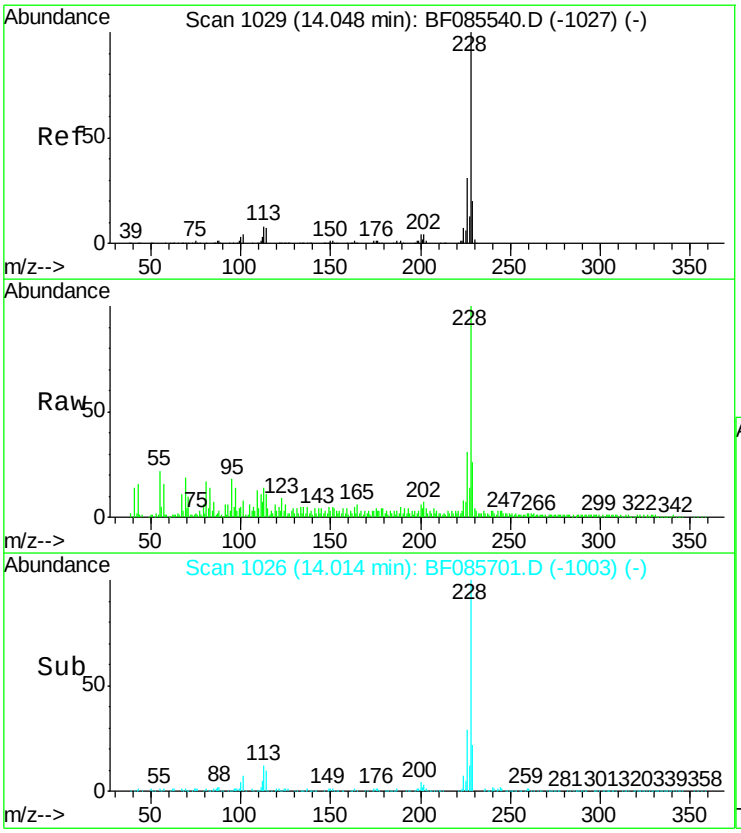
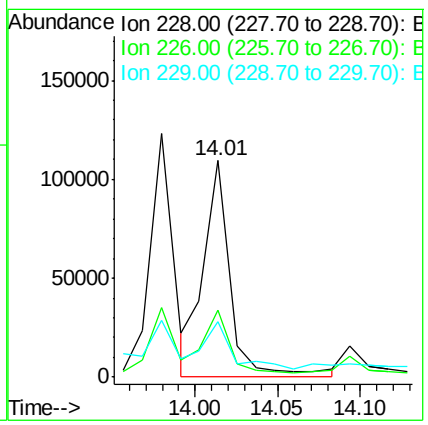
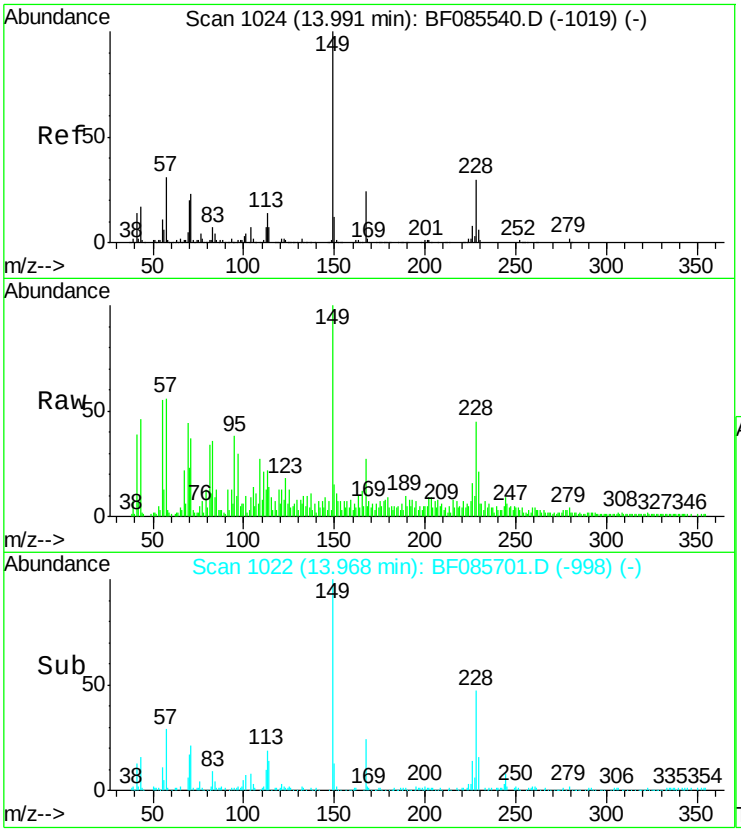


#82
Chrysene
Concen: 9.47 ng m
RT: 14.01 min Scan# 1026
Delta R.T. -0.03 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:228 Resp: 121298

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	25.7	15.7	23.5#

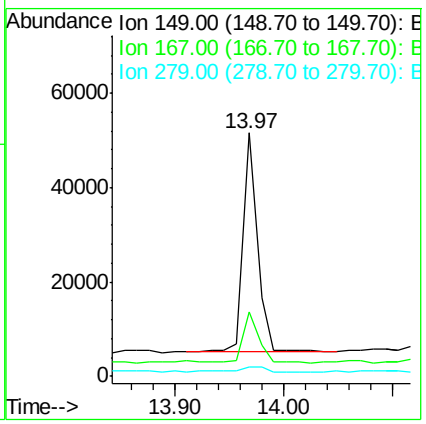




#83
Bis(2-ethylhexyl)phthalate
Concen: 4.35 ng
RT: 13.97 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:149 Resp: 42381

Ion	Ratio	Lower	Upper
149	100		
167	26.6	19.4	29.2
279	3.8	1.5	2.3#



Instrument :
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ClientSampleId :
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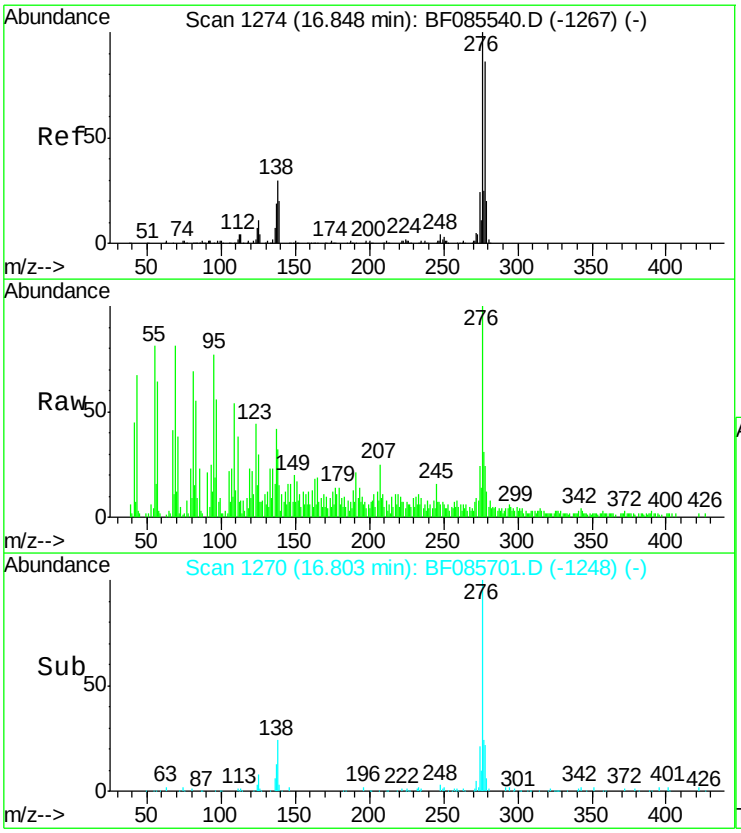
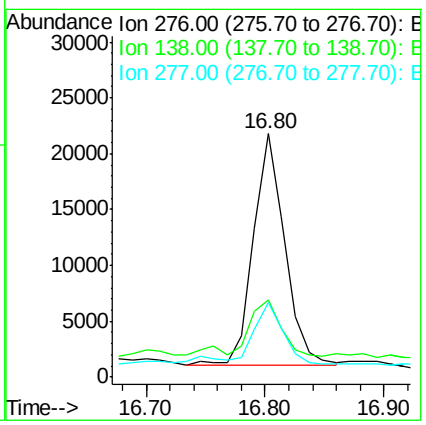
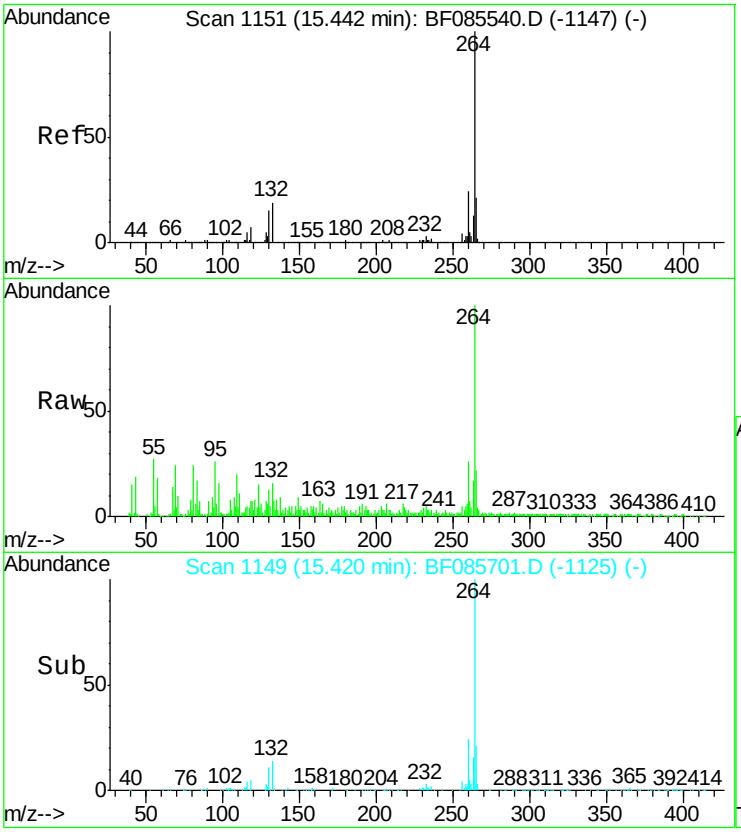


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.57 ng
RT: 16.80 min Scan# 1270
Delta R.T. -0.05 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:276 Resp: 38169

Ion	Ratio	Lower	Upper
276	100		
138	28.1	24.2	36.4
277	25.1	20.0	30.0

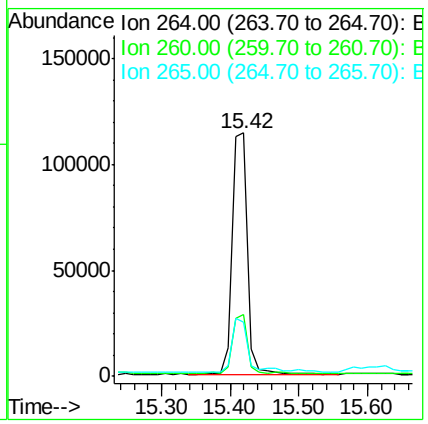




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:264 Resp: 177387

Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.4	29.2
265	22.5	17.2	25.8



Instrument :
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ClientSampleId :
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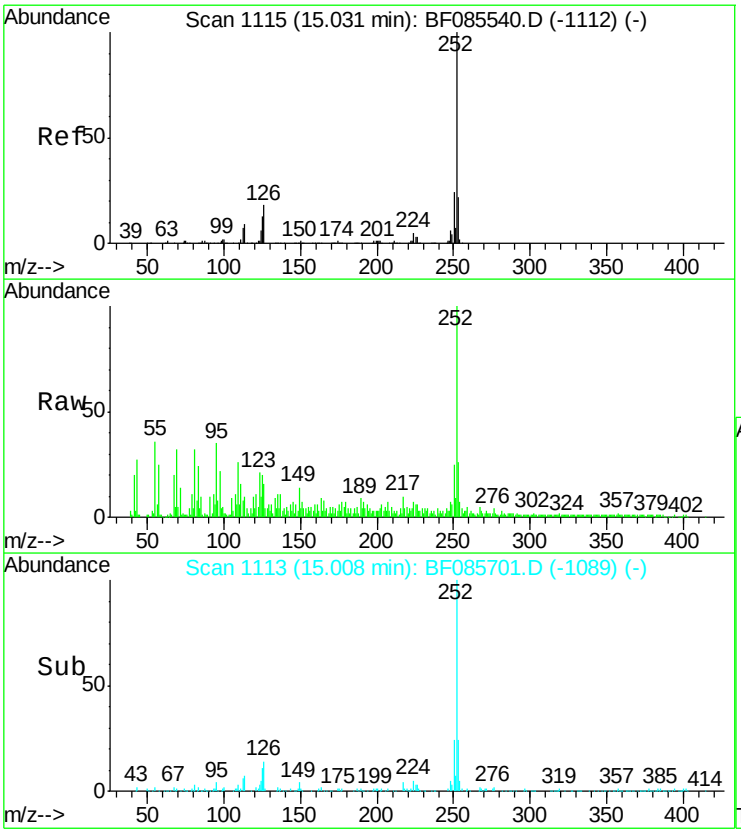
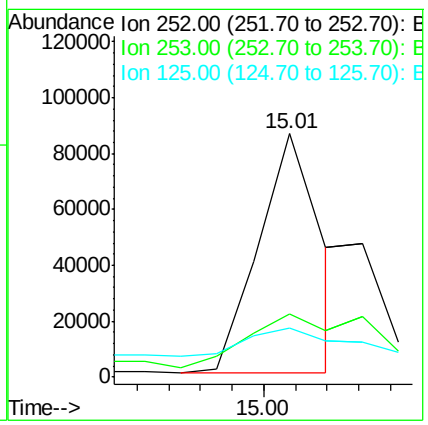
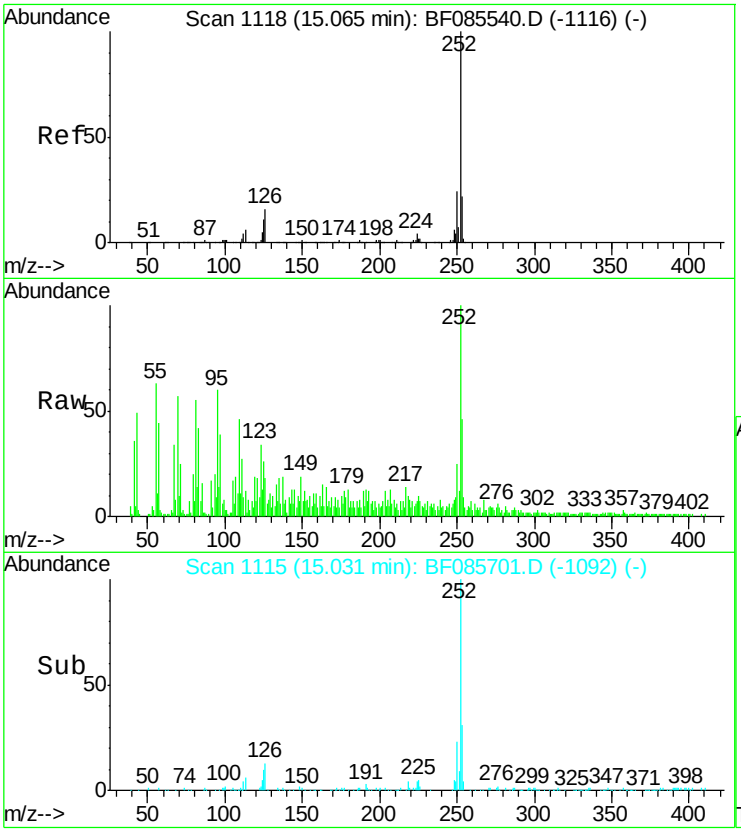


#87
Benzo(b)fluoranthene
Concen: 10.23 ng m
RT: 15.01 min Scan# 1113
Delta R.T. -0.02 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:252 Resp: 118399

Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.6	26.4
125	20.2	10.3	15.5#

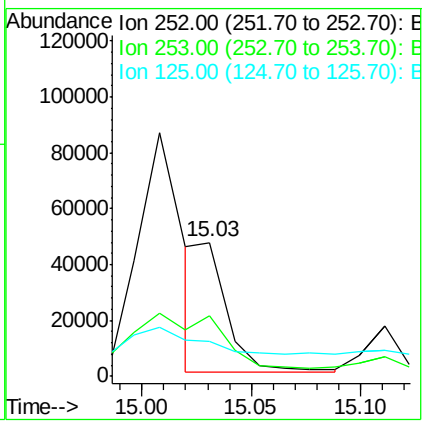




#88
Benzo(k)fluoranthene
Concen: 4.53 ng m
RT: 15.03 min Scan# 1115
Delta R.T. -0.03 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:252 Resp: 43218

Ion	Ratio	Lower	Upper
252	100		
253	45.7	17.8	26.6#
125	26.4	7.7	11.5#



Instrument :
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ClientSampleId :
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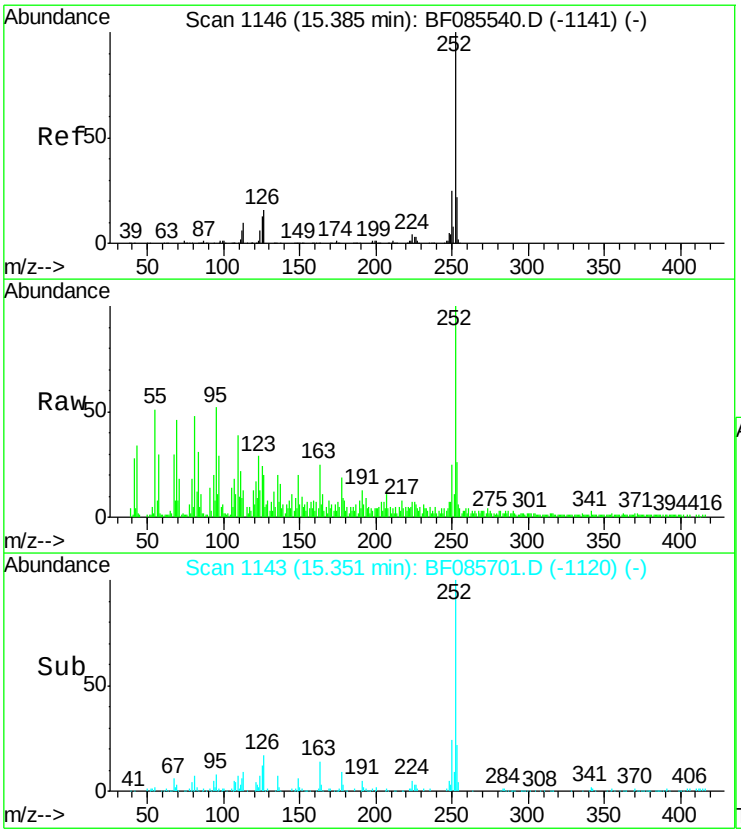
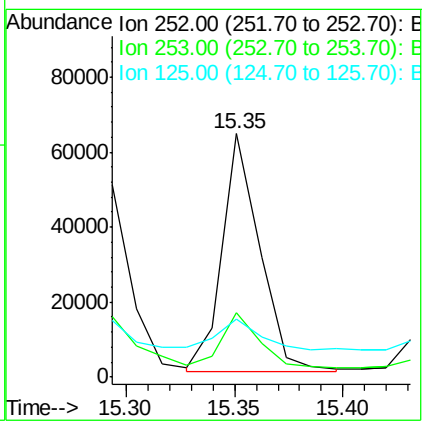
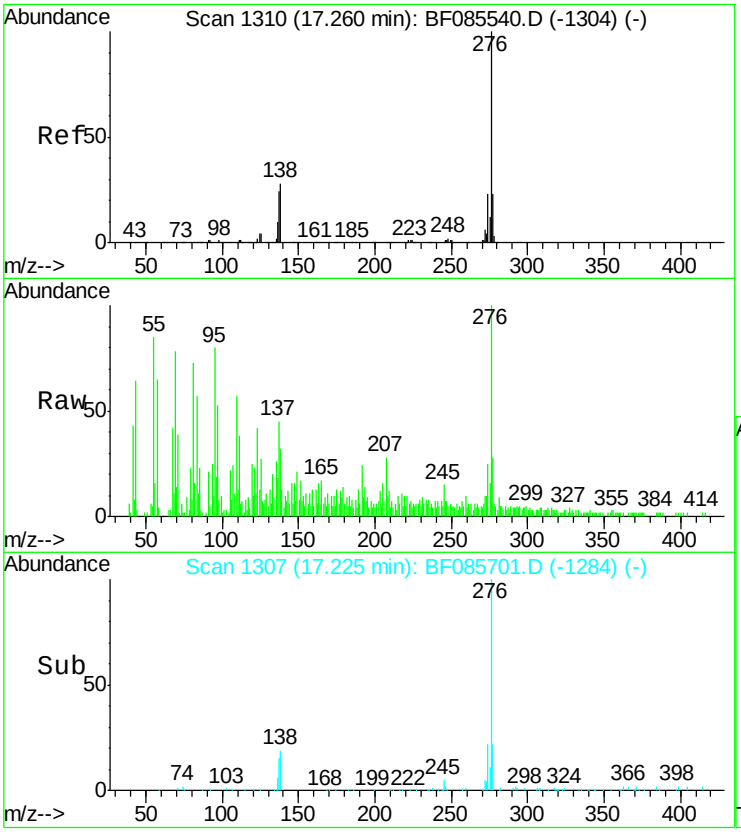


#89
Benzo(a)pyrene
Concen: 7.75 ng
RT: 15.35 min Scan# 1143
Delta R.T. -0.03 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:252 Resp: 76011

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.4	26.0#
125	23.8	10.3	15.5#

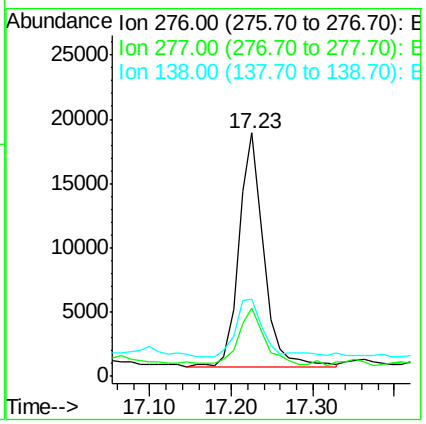




#91
Benzo(g,h,i)perylene
Concen: 4.74 ng
RT: 17.23 min Scan# 1307
Delta R.T. -0.03 min
Lab File: BF085701.D
Acq: 23 Mar 2016 12:15

Tgt Ion:276 Resp: 37534

Ion	Ratio	Lower	Upper
276	100		
277	28.2	18.8	28.2
138	31.9	22.6	34.0



Instrument :
BNA_F
ClientSampleId :
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