Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080315\
Data File : BF080818.D
Acq On : 4 Aug 2015 00:06
Operator : TP
Sample : G3083-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 8535

Manual Integrations APPROVED
MMDadoda
8/5/2015 2:28:23 PM

Quant Time: Aug 04 04:07:43 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 04 01:58:34 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	166376	20.00	ng		-0.01
21) Naphthalene-d8	8.11	136	582586	20.00	ng		-0.01
38) Acenaphthene-d10	9.87	164	283043	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	474309	20.00	ng		0.00
75) Chrysene-d12	13.97	240	323991	20.00	ng		-0.01
86) Perylene-d12	15.39	264	256931	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.44	112	937765	93.97	ng		0.00
7) Phenol-d6	6.46	99	853479	63.58	ng		0.00
23) Nitrobenzene-d5	7.40	82	1286513	108.97	ng		0.00
41) 2,4,6-Tribromophenol	10.66	330	475340	175.26	ng		0.00
44) 2-Fluorobiphenyl	9.20	172	1970646	105.24	ng		0.00
78) Terphenyl-d14	12.93	244	1431329	88.04	ng		0.00
Target Compounds							Qvalue
8) 2-Chlorophenol	6.61	128	526350	47.61	ng	#	68
10) Phenol	6.48	94	842395	53.73	ng		94
17) 2-Methylphenol	7.08	107	334954	34.36	ng		98
20) 3+4-Methylphenols	7.24	107	639278	56.46	ng	#	57
26) 2-Nitrophenol	7.74	139	878102	170.48	ng	#	70
27) 2,4-Dimethylphenol	7.77	122	488949	49.82	ng		95
29) 2,4-Dichlorophenol	7.97	162	275169	33.51	ng		90
36) 4-Chloro-3-methylphenol	8.67	107	1558565	178.21	ng		89
42) 2,4,6-Trichlorophenol	9.10	196	793410	124.31	ng		98
43) 2,4,5-Trichlorophenol	9.14	196	467788m	74.89	ng		
53) 2,4-Dinitrophenol	9.93	184	316416	151.86	ng		98
55) 4-Nitrophenol	9.97	139	239556	70.91	ng		94
69) Pentachlorophenol	11.15	266	301847	95.85	ng		97

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

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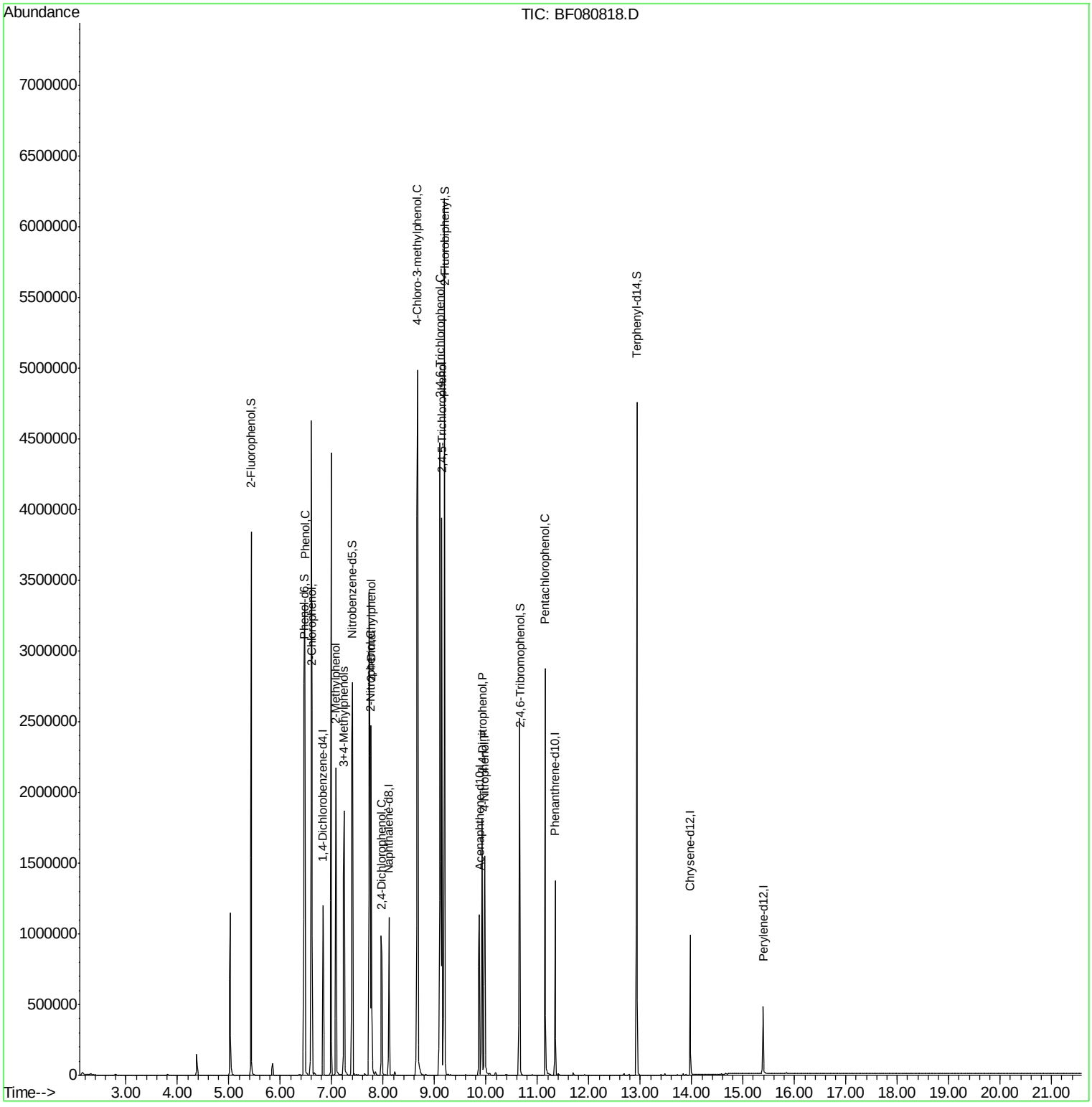
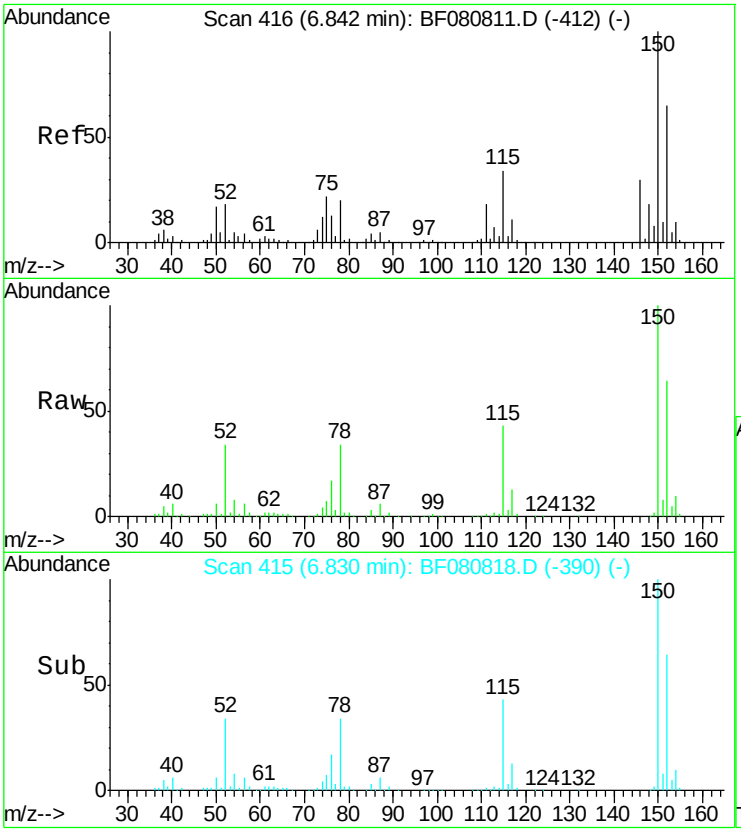
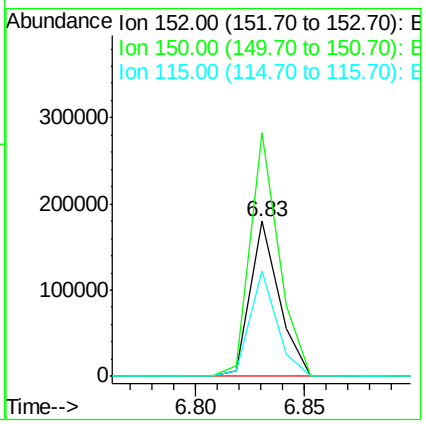




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.01 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:152 Resp: 166376

Ion	Ratio	Lower	Upper
152	100		
150	157.3	122.9	184.3
115	68.1	42.0	63.0#



Instrument :
BNA_F
ClientSampleId :
8535

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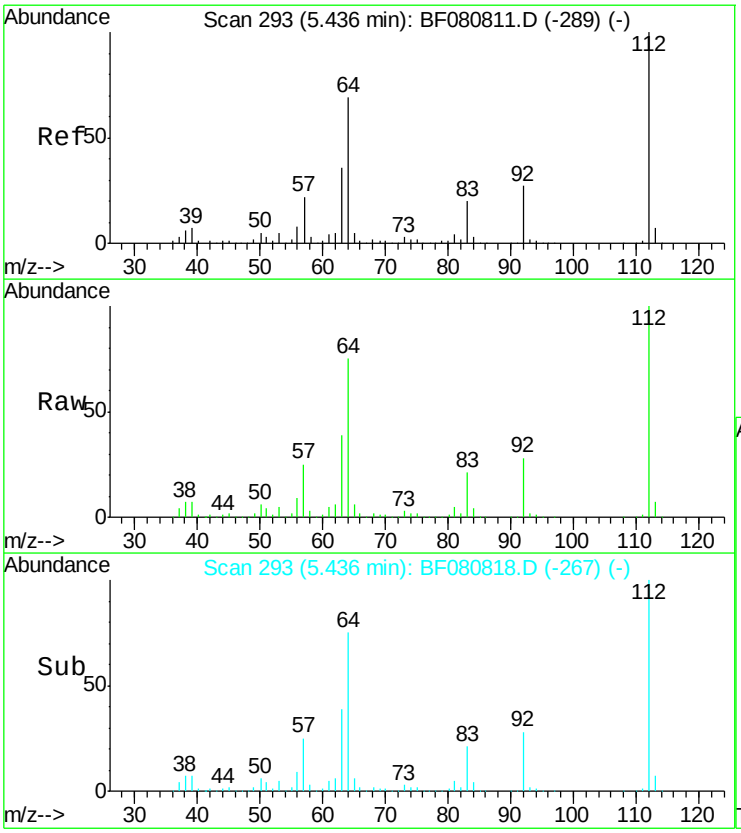
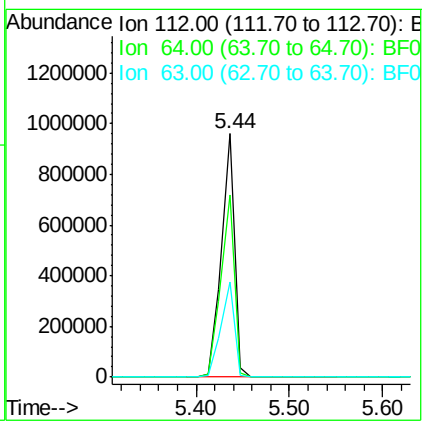
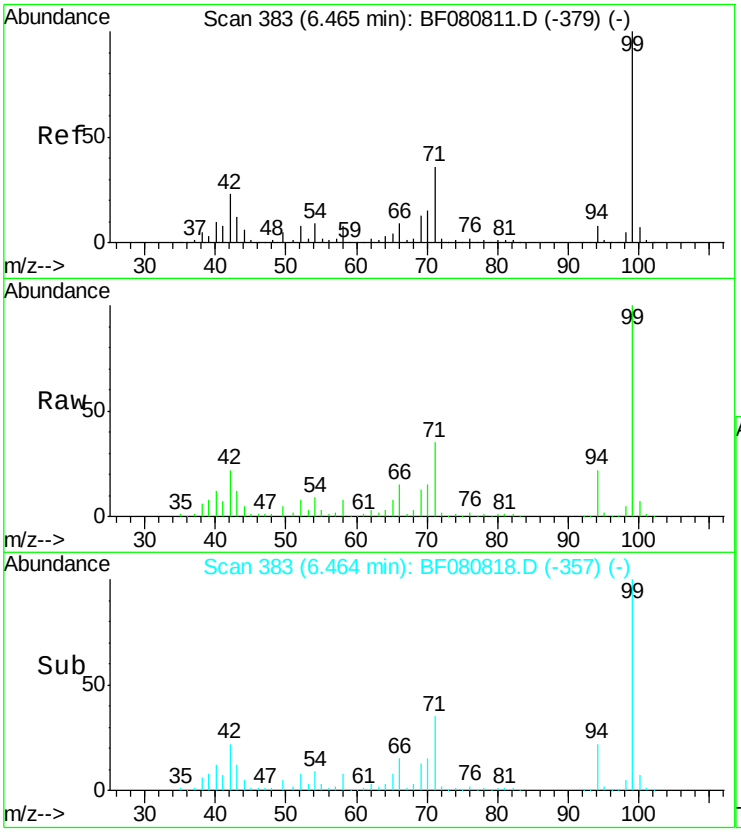


#5
2-Fluorophenol
Concen: 93.97 ng
RT: 5.44 min Scan# 293
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:112 Resp: 937765

Ion	Ratio	Lower	Upper
112	100		
64	74.8	55.0	82.4
63	39.3	28.6	42.8





#7
Phenol-d6
Concen: 63.58 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion: 99 Resp: 853479

Ion	Ratio	Lower	Upper
99	100		
42	21.8	18.4	27.6
71	34.8	28.7	43.1

Instrument :
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ClientSampleId :
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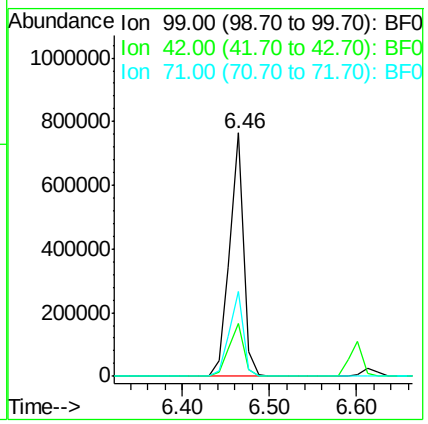
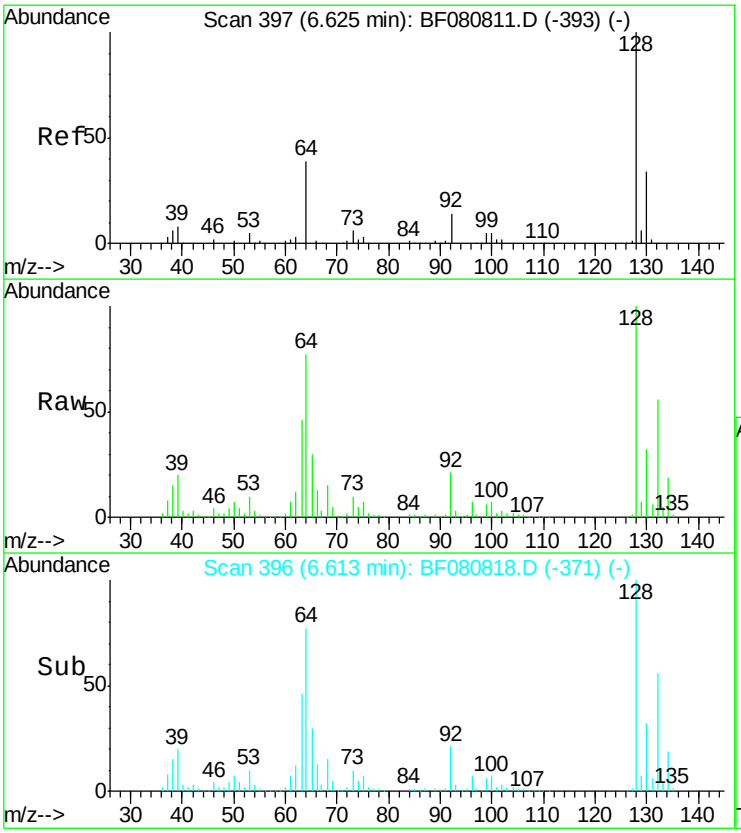
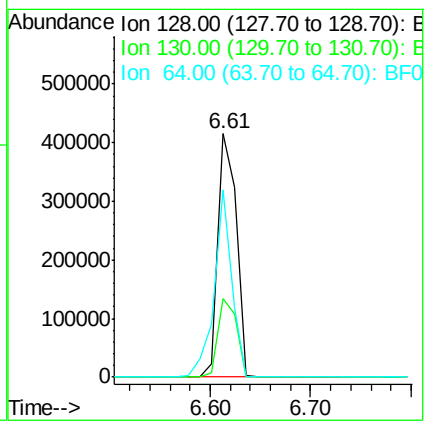


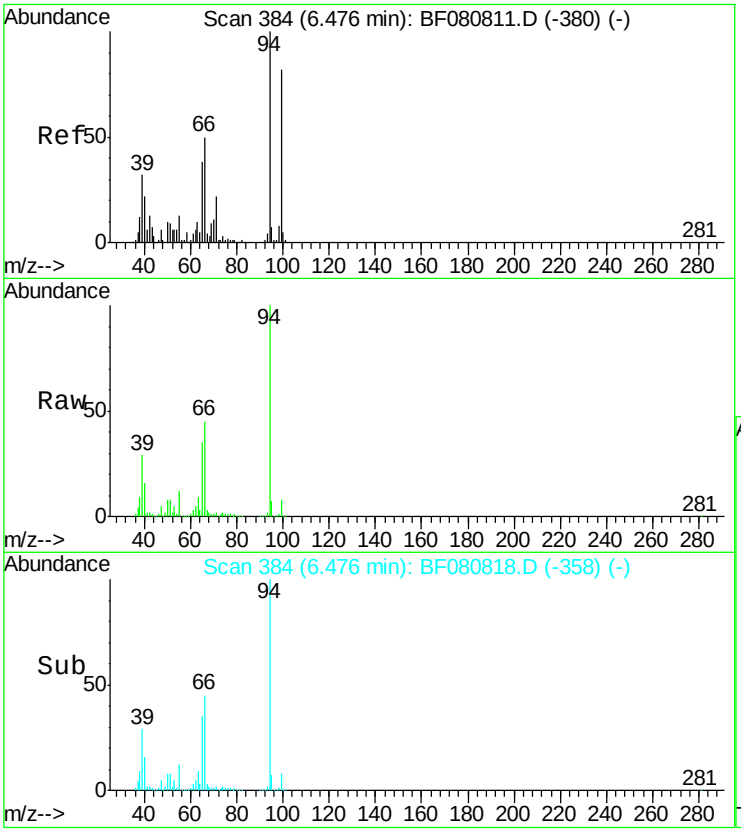


#8
2-Chlorophenol
Concen: 47.61 ng
RT: 6.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:128 Resp: 526350

Ion	Ratio	Lower	Upper
128	100		
130	32.3	14.1	54.1
64	77.0	22.3	62.3#

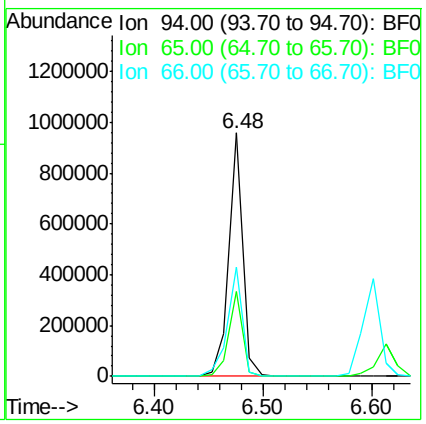




#10
Phenol
Concen: 53.73 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion: 94 Resp: 842395

Ion	Ratio	Lower	Upper
94	100		
65	34.7	17.5	57.5
66	44.8	29.6	69.6



Instrument :
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ClientSampleId :
8535

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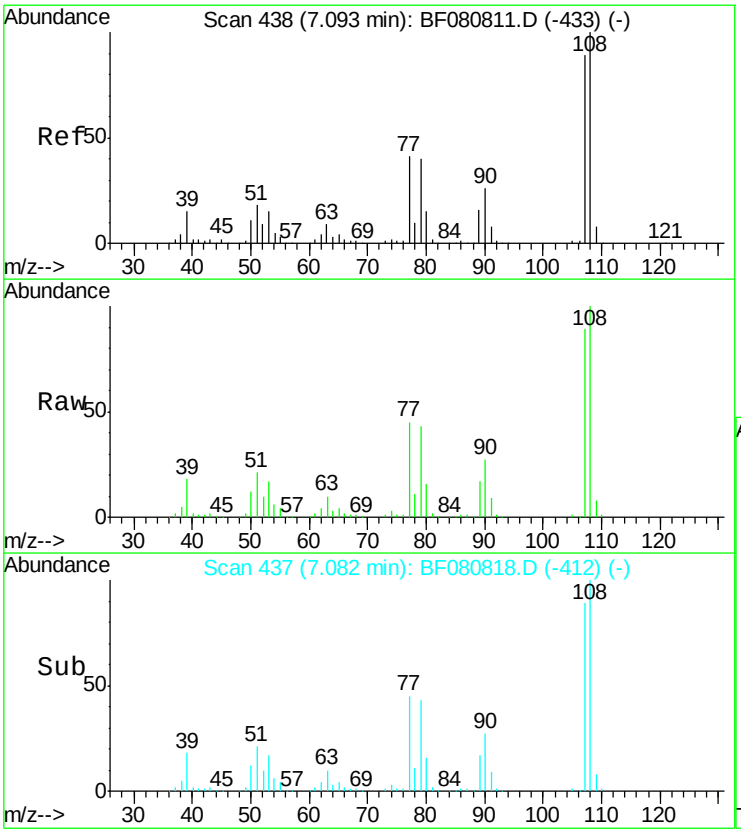
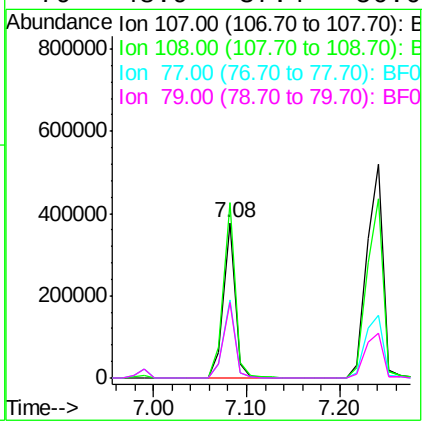
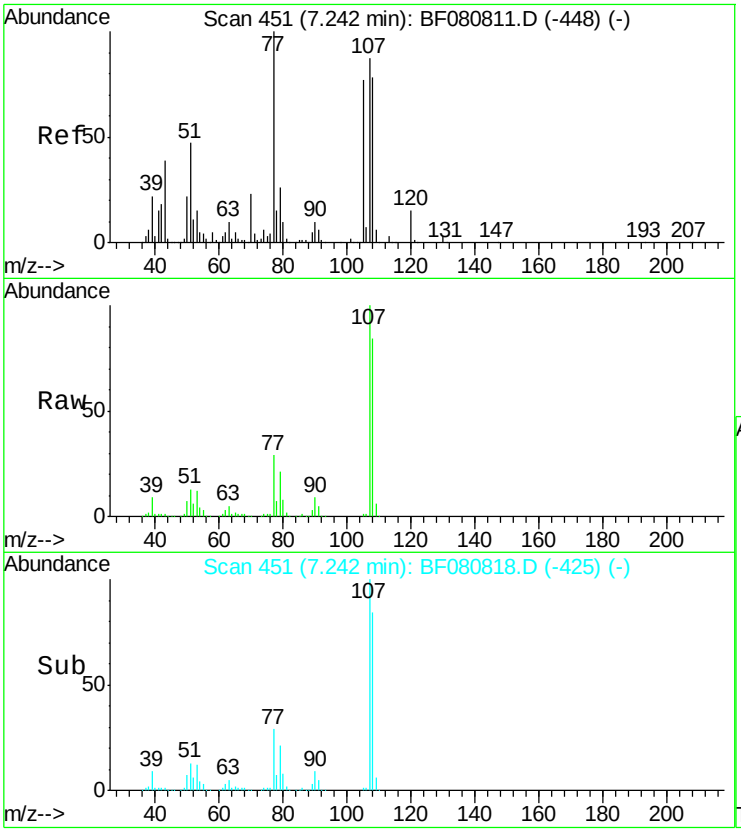


#17
2-Methylphenol
Concen: 34.36 ng
RT: 7.08 min Scan# 437
Delta R.T. -0.01 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:107 Resp: 334954

Ion	Ratio	Lower	Upper
107	100		
108	112.8	90.6	135.8
77	50.2	37.8	56.8
79	48.9	37.4	56.0

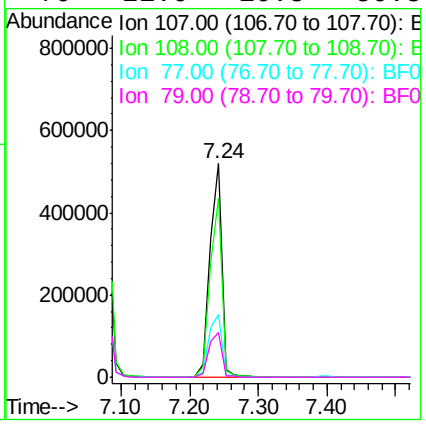




#20
3+4-Methylphenols
Concen: 56.46 ng
RT: 7.24 min Scan# 451
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:107 Resp: 639278

Ion	Ratio	Lower	Upper
107	100		
108	84.0	69.6	109.6
77	29.2	94.9	134.9#
79	21.0	10.3	50.3



Instrument :
BNA_F
ClientSampleId :
8535

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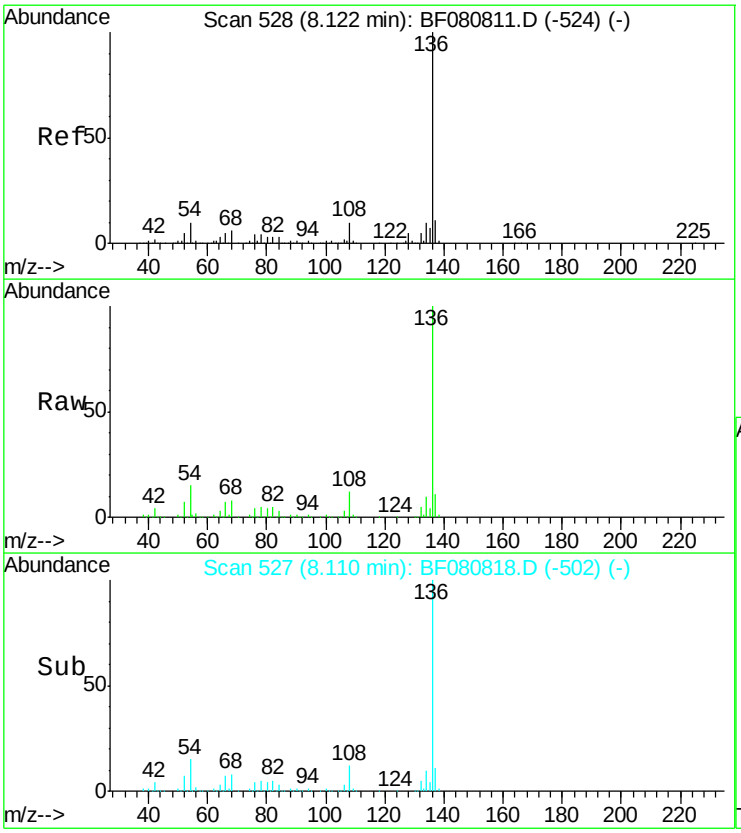
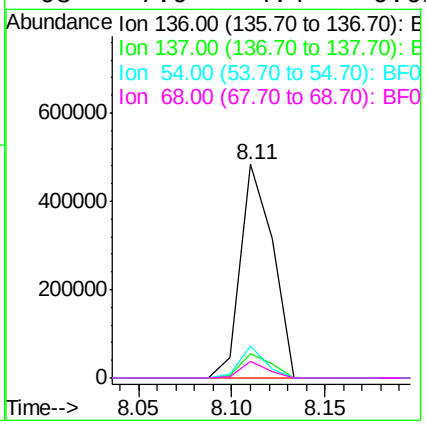
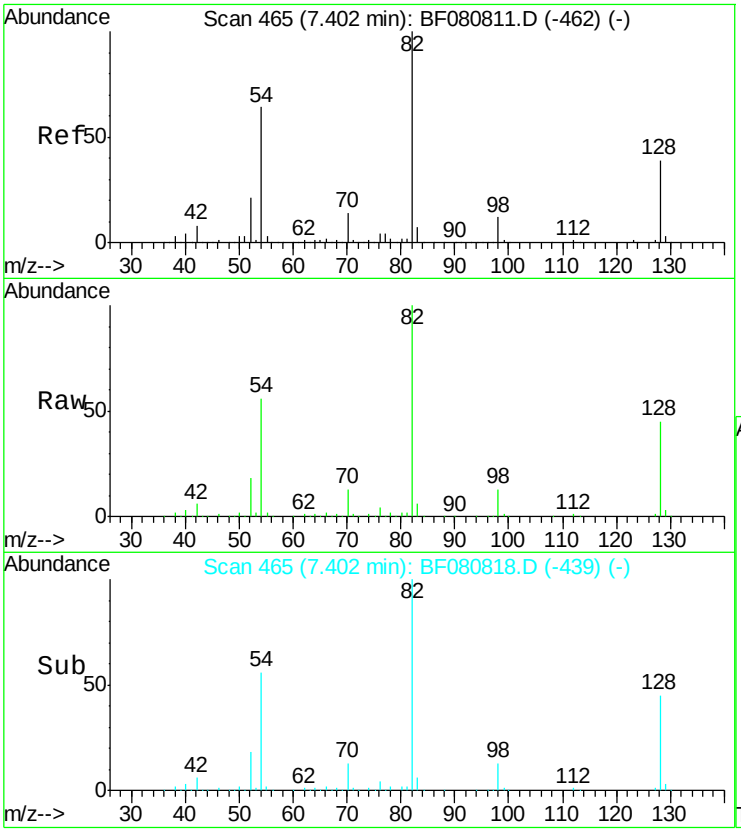


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.01 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:136 Resp: 582586

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	15.3	7.9	11.9#
68	7.9	4.4	6.6#

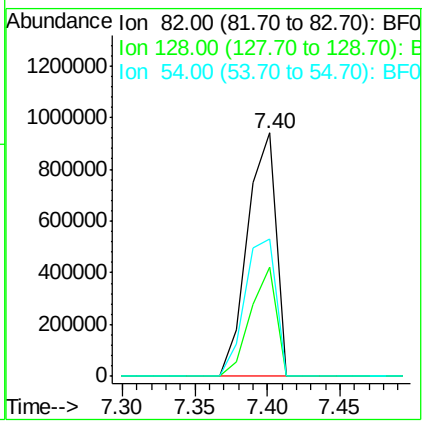




#23
Nitrobenzene-d5
Concen: 108.97 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion: 82 Resp: 1286513

Ion	Ratio	Lower	Upper
82	100		
128	44.8	31.4	47.0
54	56.4	51.0	76.4



Instrument :
BNA_F
ClientSampleId :
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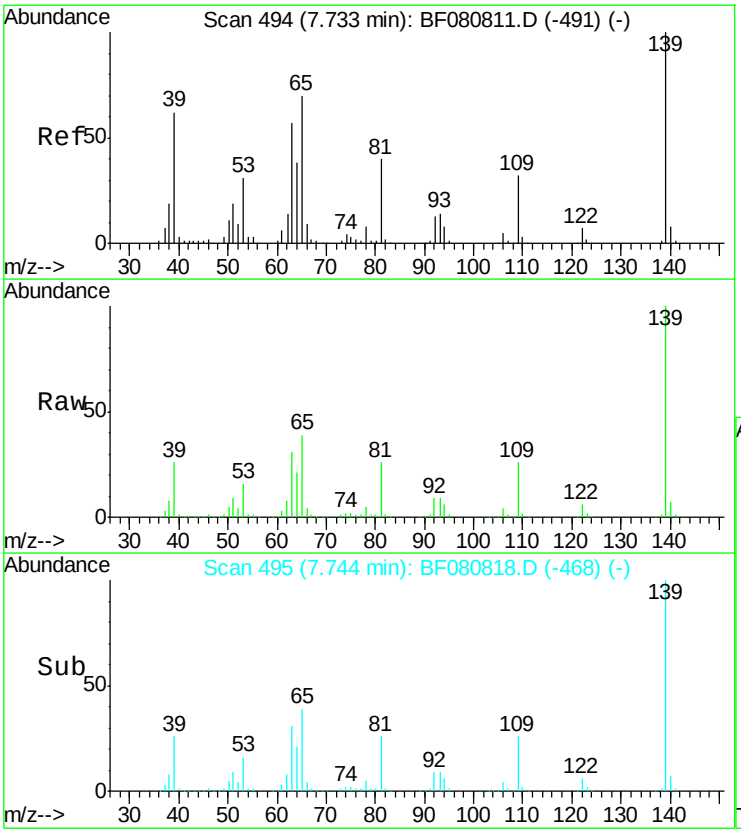
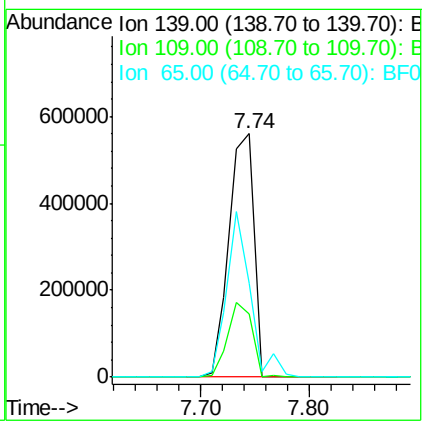
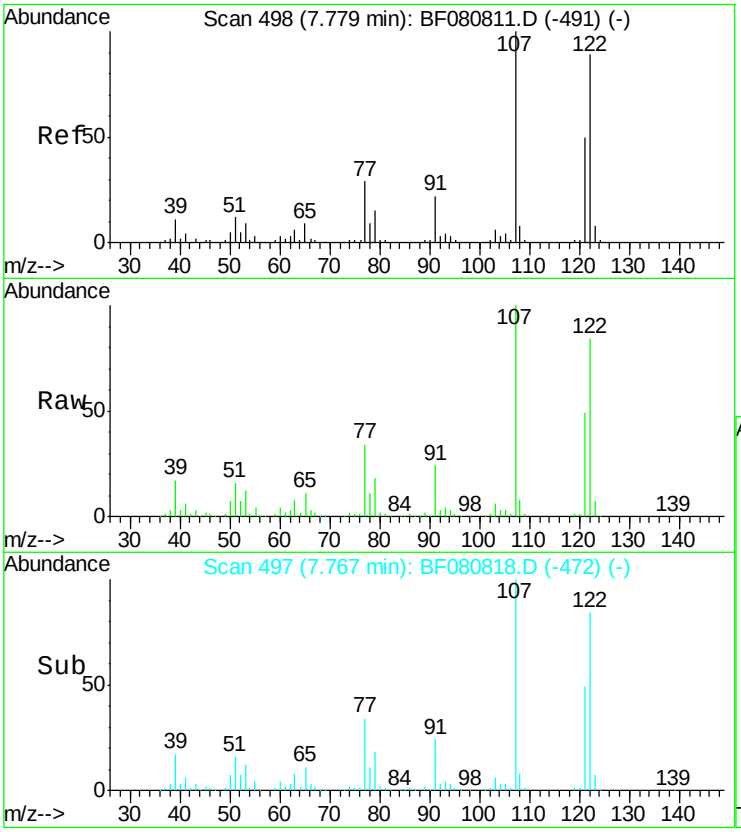


#26
2-Nitrophenol
Concen: 170.48 ng
RT: 7.74 min Scan# 495
Delta R.T. 0.01 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:139 Resp: 878102

Ion	Ratio	Lower	Upper
139	100		
109	26.0	25.3	37.9
65	38.8	56.2	84.4#

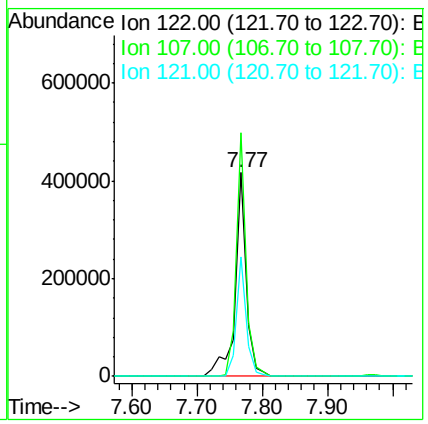




#27
2,4-Dimethylphenol
Concen: 49.82 ng
RT: 7.77 min Scan# 497
Delta R.T. -0.01 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:122 Resp: 488949

Ion	Ratio	Lower	Upper
122	100		
107	119.4	90.2	135.4
121	58.4	45.4	68.2



Instrument :
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ClientSampleId :
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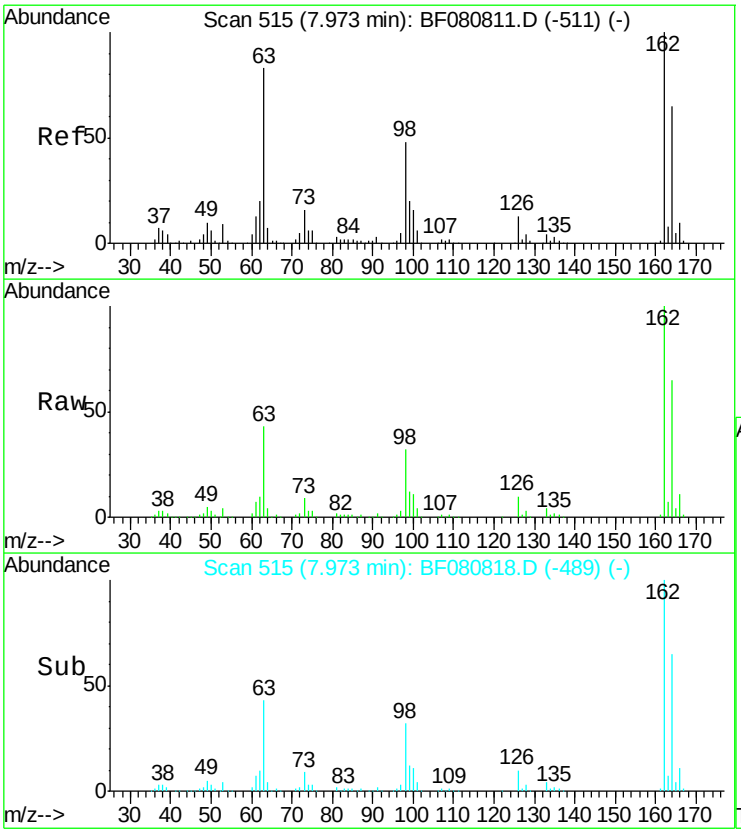
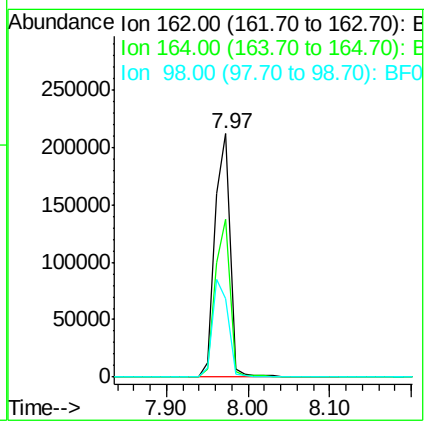
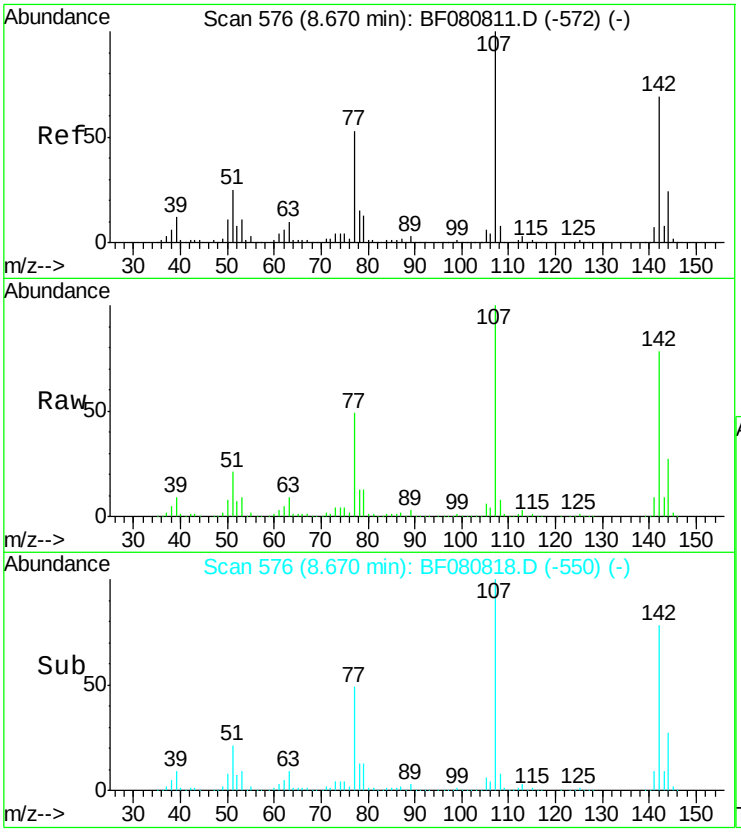


#29
2,4-Dichlorophenol
Concen: 33.51 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:162 Resp: 275169

Ion	Ratio	Lower	Upper
162	100		
164	64.9	45.3	85.3
98	32.3	27.7	67.7

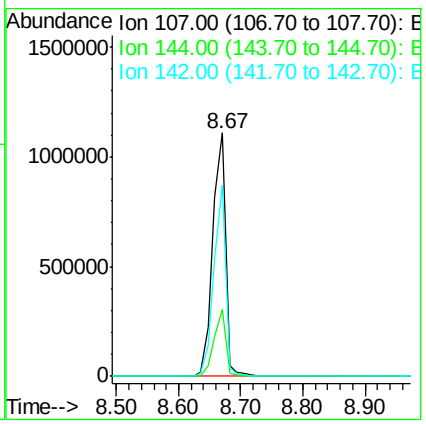




#36
4-Chloro-3-methylphenol
Concen: 178.21 ng
RT: 8.67 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:107 Resp: 1558565

Ion	Ratio	Lower	Upper
107	100		
144	27.5	19.0	28.4
142	78.3	54.9	82.3



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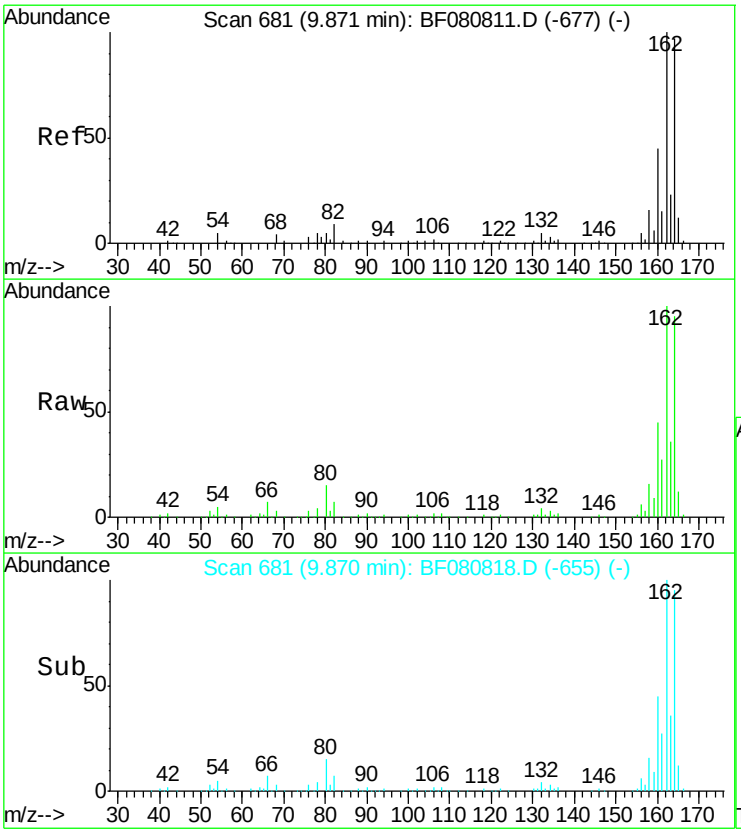
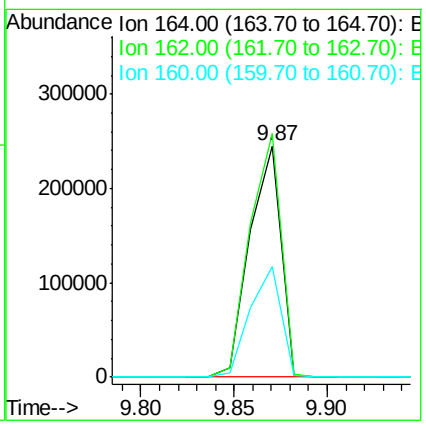
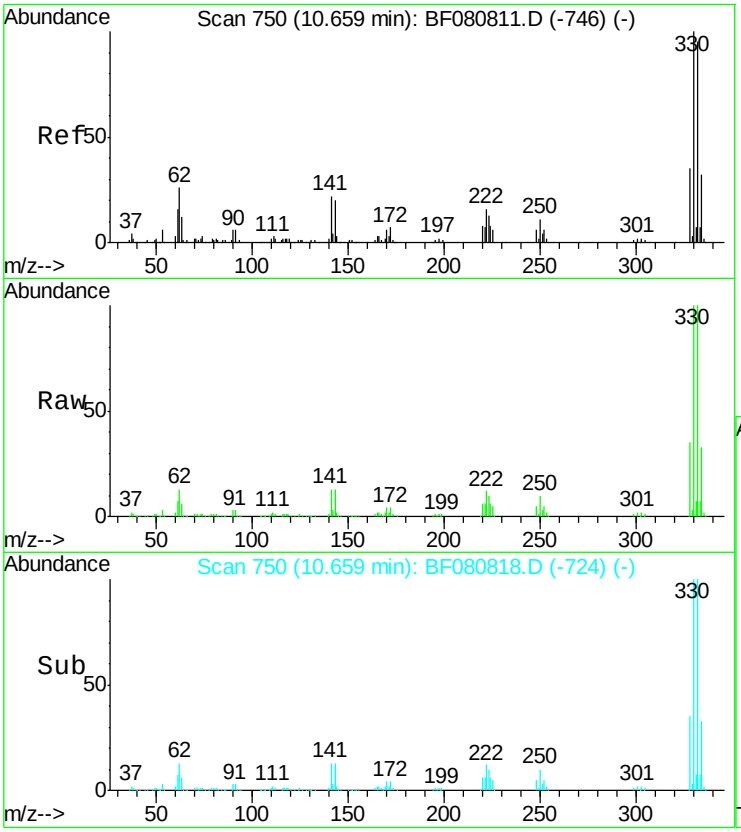


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:164 Resp: 283043

Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.3	123.5
160	47.6	37.3	55.9

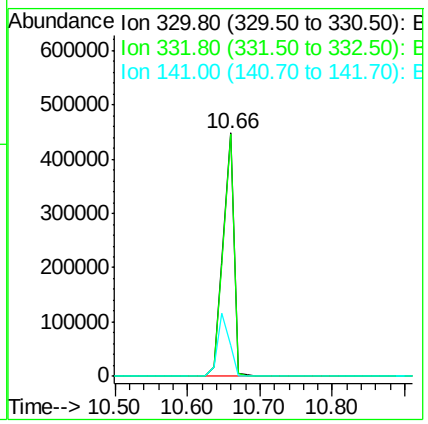




#41
2,4,6-Tribromophenol
Concen: 175.26 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:330 Resp: 475340

Ion	Ratio	Lower	Upper
330	100		
332	98.5	76.2	114.4
141	28.1	25.4	38.0



Instrument :
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ClientSampleId :
8535

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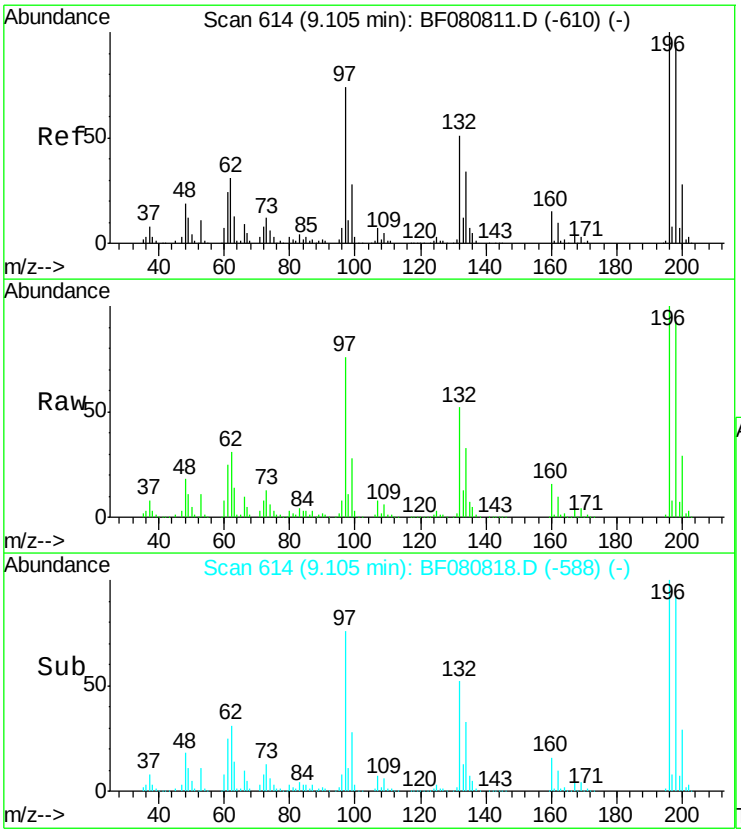
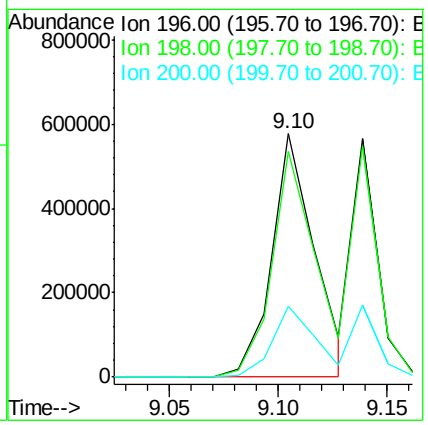
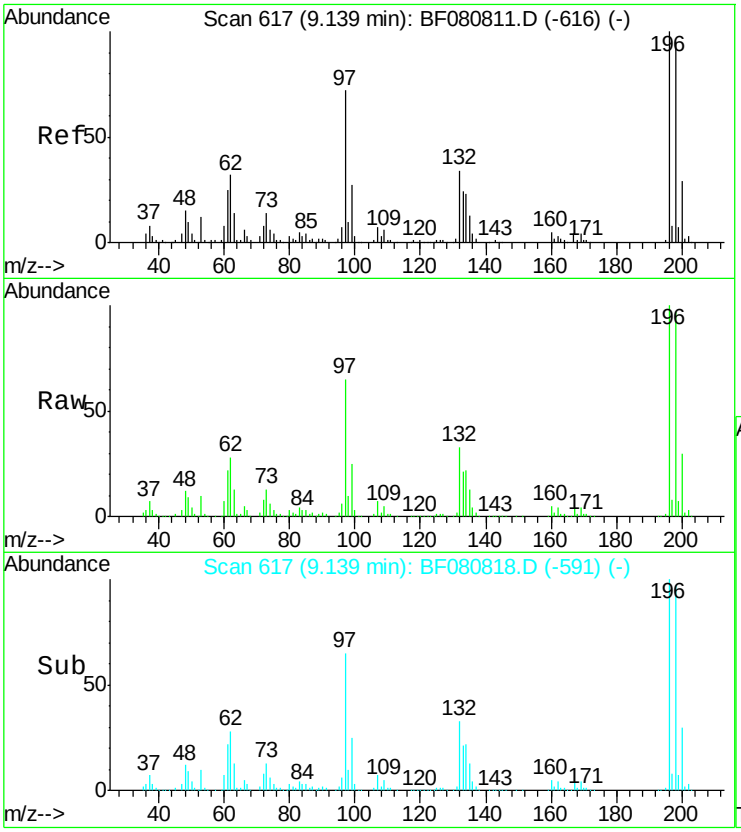


#42
2,4,6-Trichlorophenol
Concen: 124.31 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:196 Resp: 793410

Ion	Ratio	Lower	Upper
196	100		
198	92.5	75.3	112.9
200	29.3	22.7	34.1

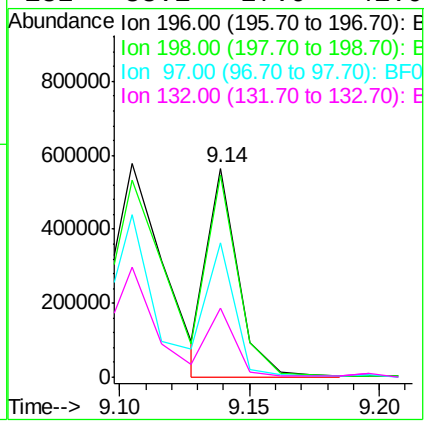




#43
2,4,5-Trichlorophenol
Concen: 74.89 ng m
RT: 9.14 min Scan# 617
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:196 Resp: 467788

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.3	114.5
97	64.6	58.8	88.2
132	33.1	27.9	41.9



Instrument :
BNA_F
ClientSampleId :
8535

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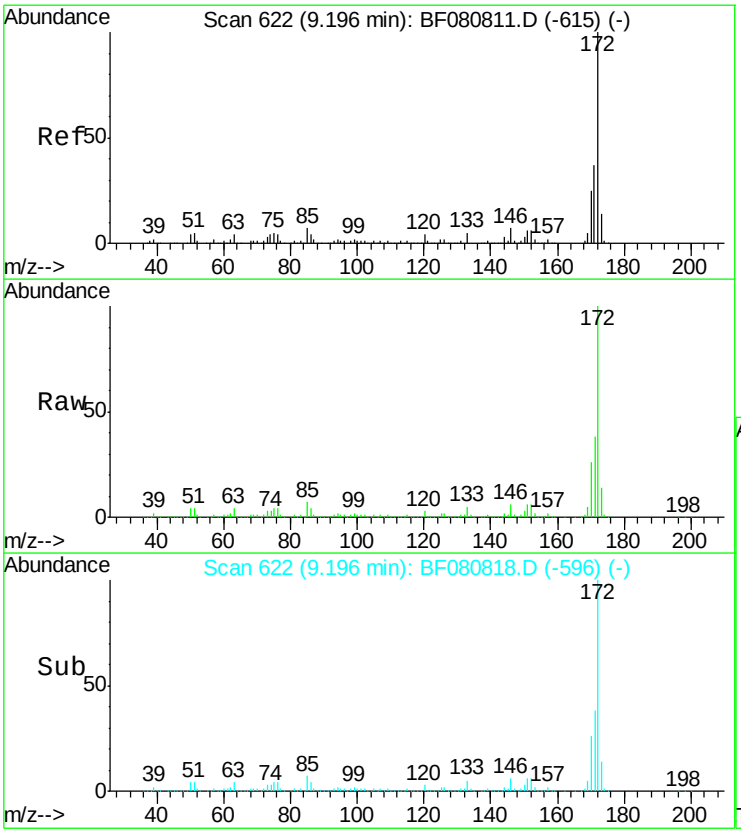
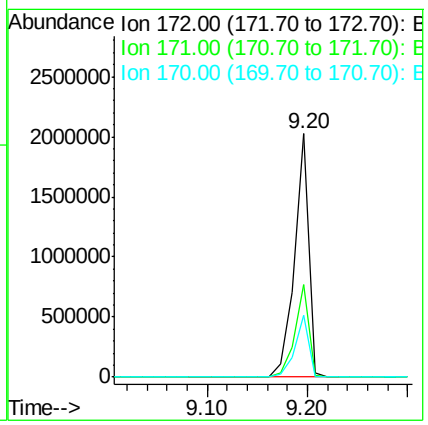
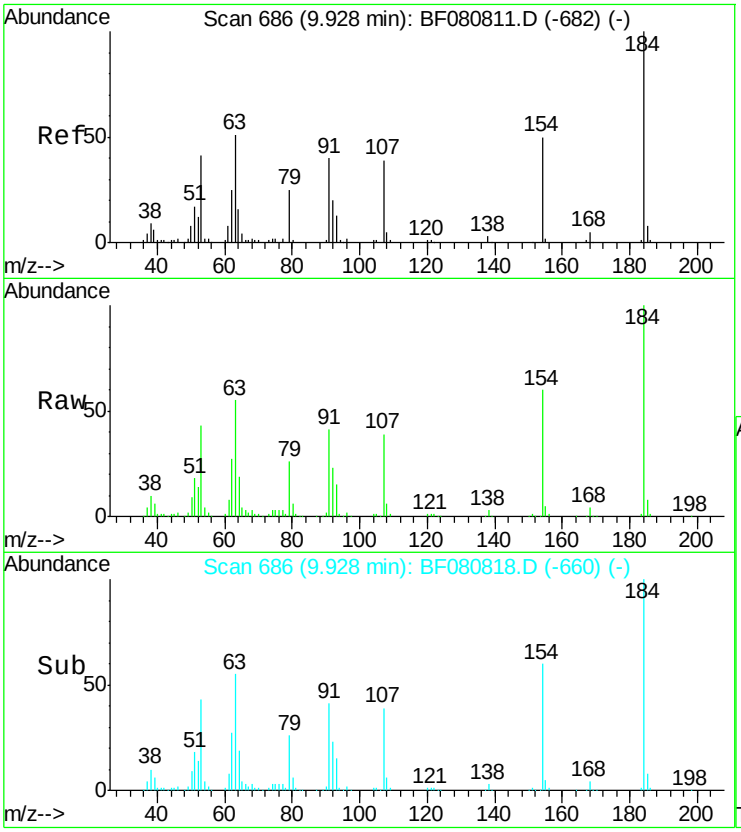


#44
2-Fluorobiphenyl
Concen: 105.24 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:172 Resp: 1970646

Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	25.5	20.2	30.4

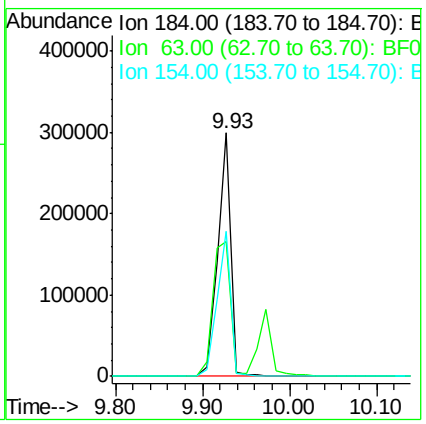




#53
2,4-Dinitrophenol
Concen: 151.86 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:184 Resp: 316416

Ion	Ratio	Lower	Upper
184	100		
63	55.5	42.2	63.2
154	59.7	47.4	71.0



Instrument :
BNA_F
ClientSampleId :
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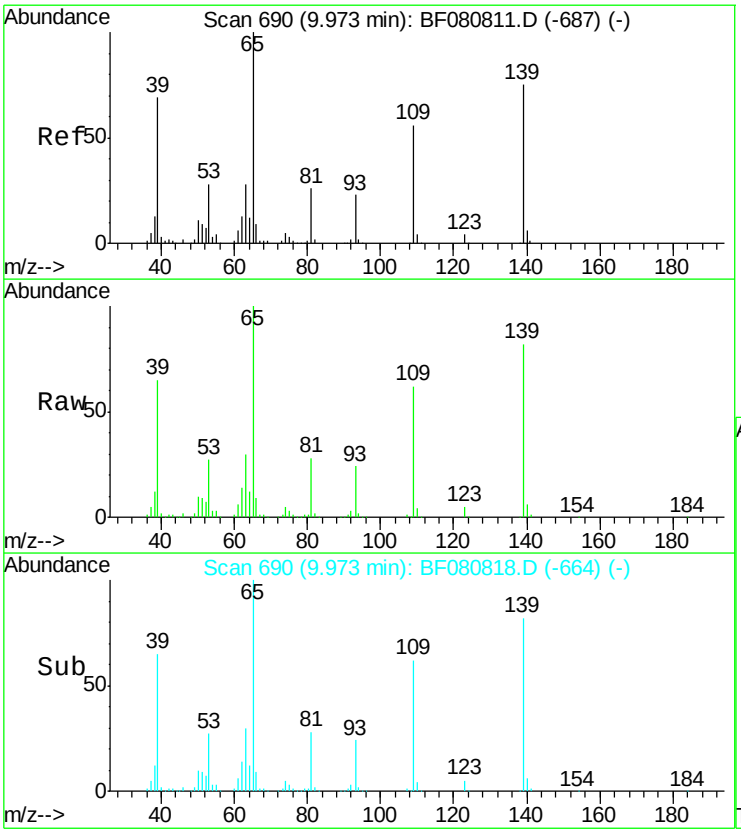
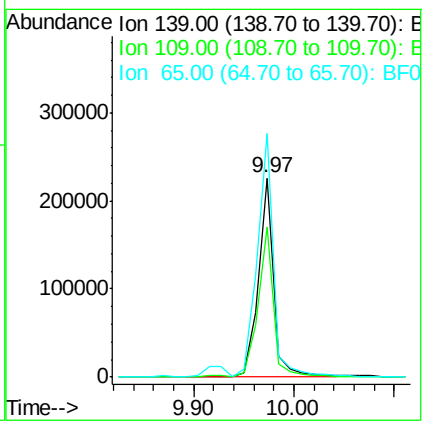
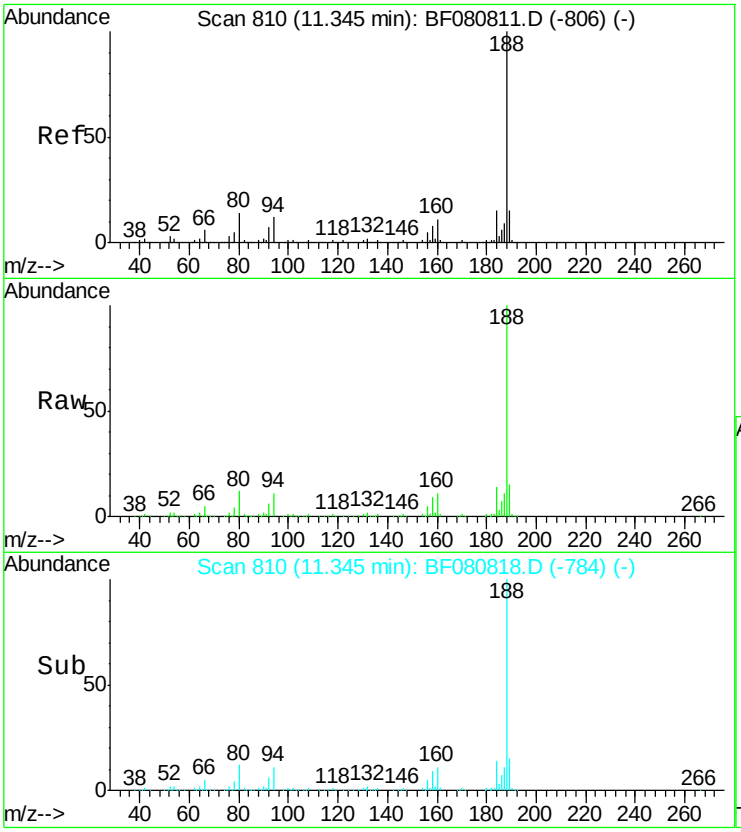


#55
4-Nitrophenol
Concen: 70.91 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:139 Resp: 239556

Ion	Ratio	Lower	Upper
139	100		
109	75.5	55.1	95.1
65	122.3	113.9	153.9

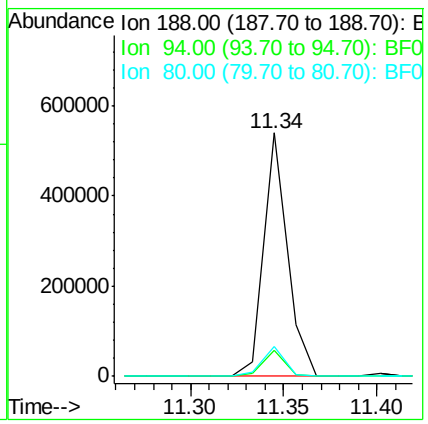




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:188 Resp: 474309

Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.7	14.5
80	12.3	11.2	16.8



Instrument :
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ClientSampleId :
8535

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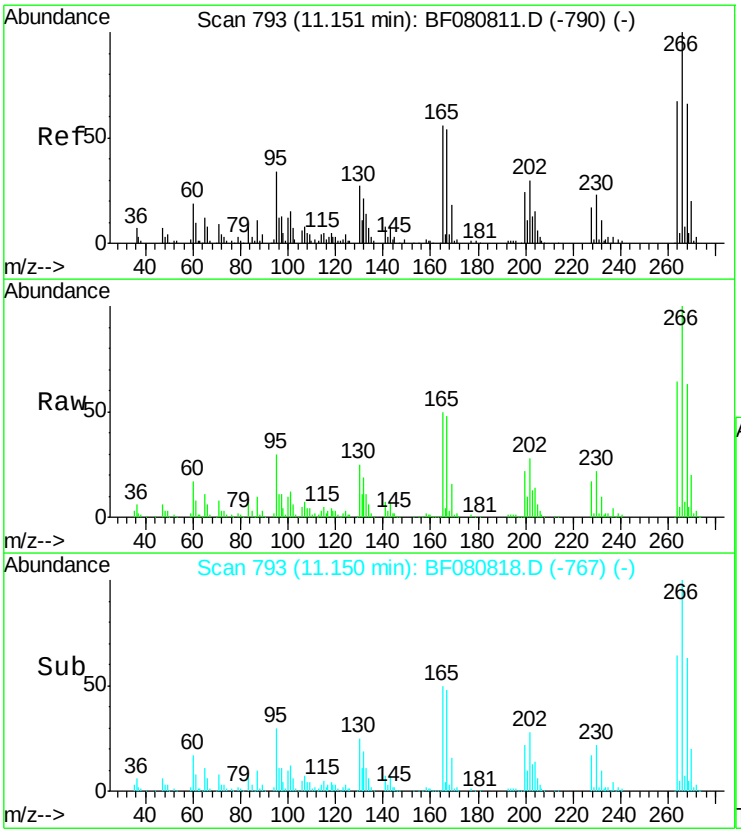
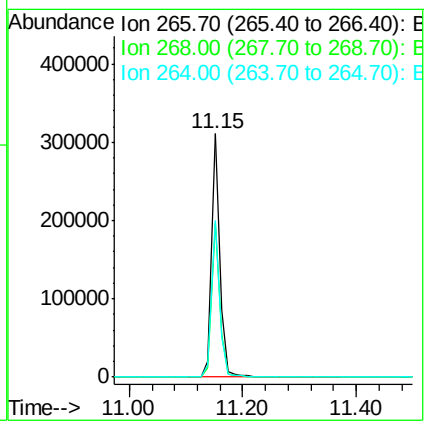
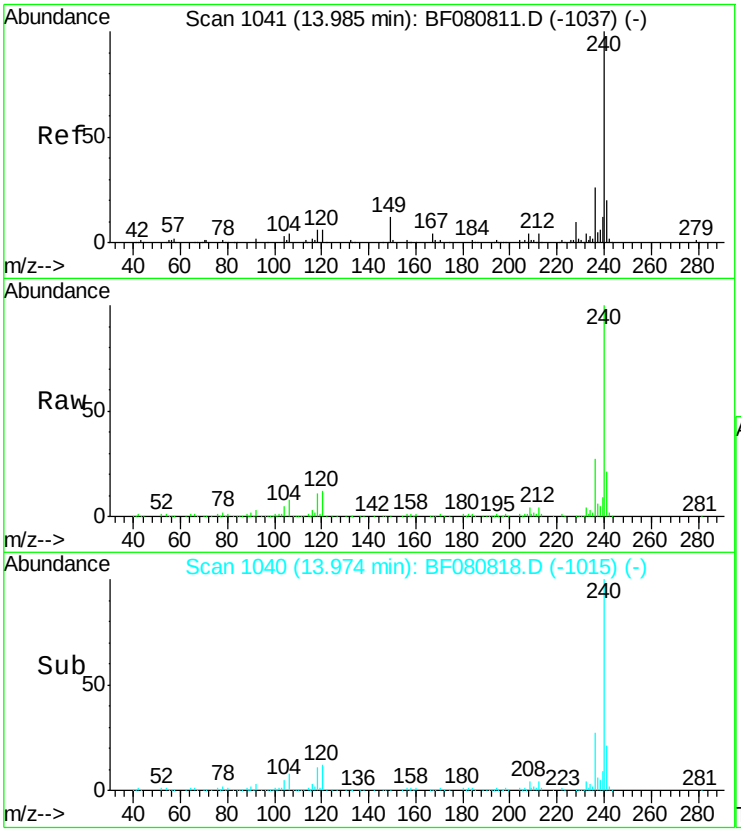


#69
Pentachlorophenol
Concen: 95.85 ng
RT: 11.15 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:266 Resp: 301847

Ion	Ratio	Lower	Upper
266	100		
268	63.0	52.7	79.1
264	64.2	53.4	80.0

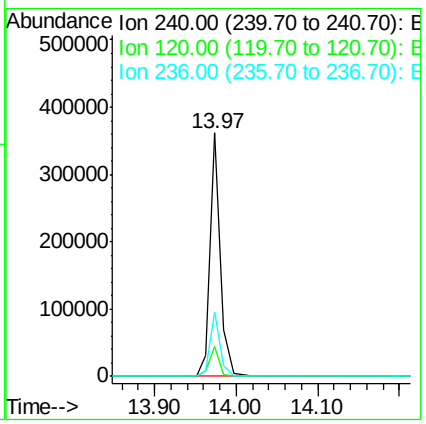




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:240 Resp: 323991

Ion	Ratio	Lower	Upper
240	100		
120	12.0	5.0	7.4#
236	26.6	20.8	31.2



Instrument :
BNA_F
ClientSampleId :
8535

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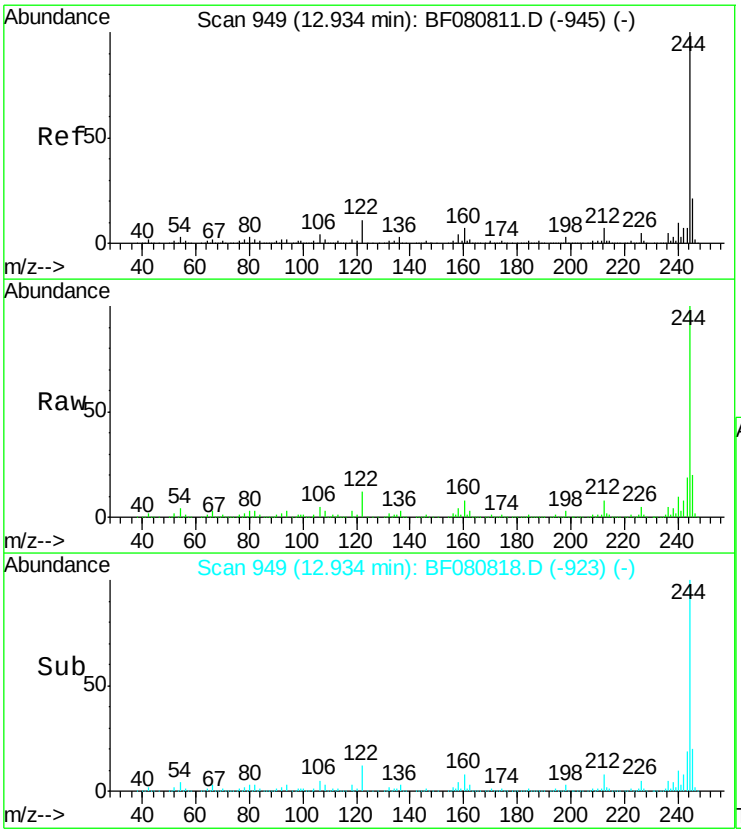
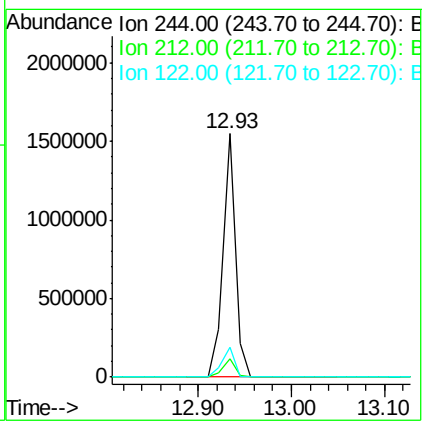
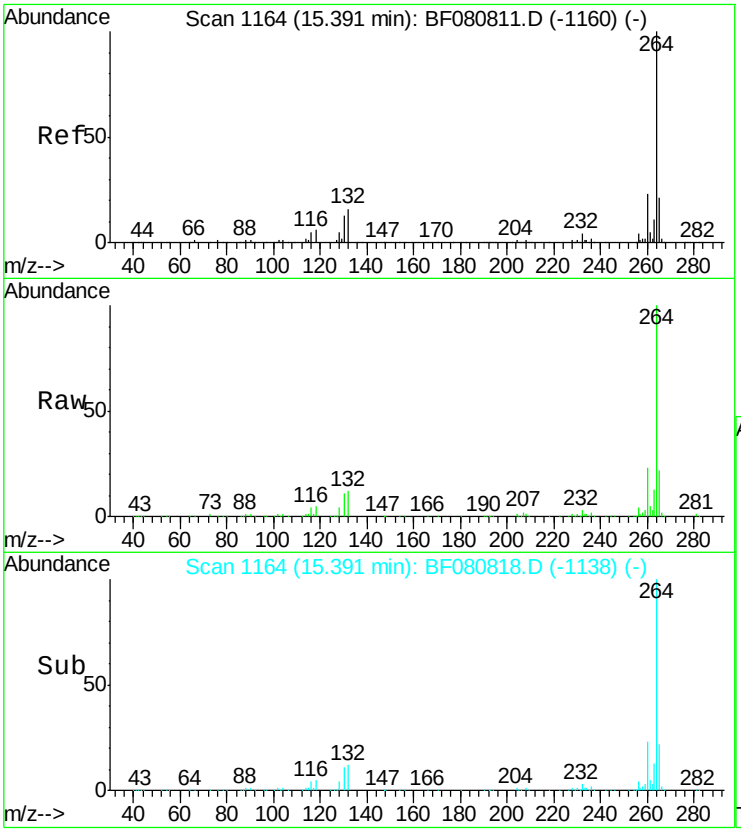


#78
Terphenyl-d14
Concen: 88.04 ng
RT: 12.93 min Scan# 949
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:244 Resp: 1431329

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	12.2	9.1	13.7

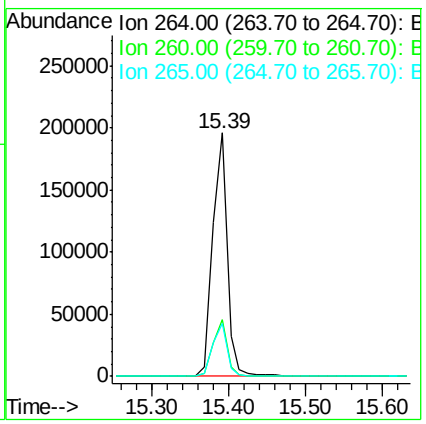




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF080818.D
Acq: 4 Aug 2015 00:06

Tgt Ion:264 Resp: 256931

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.9	17.0	25.6



Instrument :
BNA_F
ClientSampleId :
8535

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